

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX060418\
 Data File : VX002257.D
 Acq On : 04 Jun 2018 11:52
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/5/2018 5:56:03 PM

Quant Time: Jun 05 02:33:50 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 02:06:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	318617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	454309	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	438017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	285680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	448533	90.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.02%	
35) Dibromofluoromethane	5.51	113	353613	98.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.96%	
50) Toluene-d8	8.72	98	1363595	99.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.16%	
62) 4-Bromofluorobenzene	11.14	95	544668	103.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	345410	104.29	ug/l	99
3) Chloromethane	1.32	50	378325	86.80	ug/l	100
4) Vinyl Chloride	1.41	62	399938	95.81	ug/l	99
5) Bromomethane	1.64	94	229389	69.14	ug/l	98
6) Chloroethane	1.71	64	246457	91.27	ug/l	100
7) Trichlorofluoromethane	1.92	101	644007	101.26	ug/l	99
8) Diethyl Ether	2.19	74	223738	86.36	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	358587	104.48	ug/l	100
10) Methyl Iodide	2.51	142	494846	102.50	ug/l	99
11) Tert butyl alcohol	3.09	59	441725	432.64	ug/l	100
12) 1,1-Dichloroethene	2.37	96	321327	94.73	ug/l	97
13) Acrolein	2.30	56	217486	442.23	ug/l	99
14) Allyl chloride	2.73	41	660173	89.69	ug/l	100
15) Acrylonitrile	3.15	53	940584	432.82	ug/l	100
16) Acetone	2.45	43	952813	418.20	ug/l	100
17) Carbon Disulfide	2.57	76	879254	98.35	ug/l	98
18) Methyl Acetate	2.78	43	445462	82.87	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	1164025	86.63	ug/l	100
20) Methylene Chloride	2.86	84	354053	78.20	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	339543	90.78	ug/l	98
22) Diisopropyl ether	3.88	45	1224383	89.15	ug/l	100
23) Vinyl Acetate	3.83	43	5352093	448.52	ug/l	100
24) 1,1-Dichloroethane	3.70	63	657289	90.35	ug/l	99
25) 2-Butanone	4.71	43	1366873	437.54	ug/l	100
26) 2,2-Dichloropropane	4.59	77	533902	93.88	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	366929	90.20	ug/l	95
28) Bromochloromethane	5.03	49	307271	87.22	ug/l	98
29) Tetrahydrofuran	5.17	42	884754	439.26	ug/l	100
30) Chloroform	5.22	83	645895	92.00	ug/l	97
31) Cyclohexane	5.58	56	598495	104.03	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	590990	99.26	ug/l	100
36) 1,1-Dichloropropene	5.81	75	487330	102.04	ug/l	100
37) Ethyl Acetate	4.87	43	542727	94.49	ug/l	99
38) Carbon Tetrachloride	5.79	117	536582	107.39	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 02:06:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	612086	112.45	ug/l	99
40) Benzene	6.15	78	1413952	96.55	ug/l	99
41) Methacrylonitrile	5.07	41	307666	93.57	ug/l	99
42) 1,2-Dichloroethane	6.20	62	546510	93.93	ug/l	100
43) Isopropyl Acetate	6.47	43	937271	96.07	ug/l	100
44) Trichloroethene	7.22	130	408596	100.53	ug/l	98
45) 1,2-Dichloropropane	7.52	63	377575	95.51	ug/l	100
46) Dibromomethane	7.67	93	253651	94.64	ug/l	100
47) Bromodichloromethane	7.90	83	499045	102.96	ug/l	97
48) Methyl methacrylate	7.78	41	480515	98.05	ug/l	100
49) 1,4-Dioxane	7.76	88	172501	1882.64	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	2940422	483.99	ug/l	100
52) Toluene	8.79	92	931667	100.03	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	610618	105.05	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	588271	107.27	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	371792	97.05	ug/l	99
56) Ethyl methacrylate	9.19	69	601643	98.37	ug/l	100
57) 1,3-Dichloropropane	9.38	76	613447	95.45	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1400764	494.85	ug/l	99
59) 2-Hexanone	9.51	43	2281299	486.14	ug/l	99
60) Dibromochloromethane	9.59	129	427321	110.90	ug/l	100
61) 1,2-Dibromoethane	9.68	107	395967	99.13	ug/l	99
64) Tetrachloroethene	9.34	164	450288	99.68	ug/l	99
65) Chlorobenzene	10.15	112	1061515	97.39	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	403486	102.24	ug/l	100
67) Ethyl Benzene	10.26	91	1859301	101.94	ug/l	99
68) m/p-Xylenes	10.37	106	1451404	204.70	ug/l	99
69) o-Xylene	10.70	106	708280	100.38	ug/l	99
70) Styrene	10.72	104	1204801	104.45	ug/l	100
71) Bromoform	10.87	173	355728	113.70	ug/l	100
73) Isopropylbenzene	11.02	105	1930630	97.15	ug/l	100
74) N-amyl acetate	6.47	43	937271	87.53	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	557925	89.26	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	567274m	98.99	ug/l	
77) Bromobenzene	11.26	156	526399	94.35	ug/l	99
78) n-propylbenzene	11.37	91	2224316	100.70	ug/l	99
79) 2-Chlorotoluene	11.43	91	1306805	93.69	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1661700	97.49	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	189221	105.81	ug/l	98
82) 4-Chlorotoluene	11.52	91	1563861	97.14	ug/l	100
83) tert-Butylbenzene	11.77	119	1616656	97.40	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1703066	97.06	ug/l	100
85) sec-Butylbenzene	11.95	105	2000312	102.79	ug/l	99
86) p-Isopropyltoluene	12.07	119	1824326	102.92	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	963209	96.56	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	975713	94.89	ug/l	99
89) n-Butylbenzene	12.39	91	1627809	109.50	ug/l	99
90) Hexachloroethane	12.60	117	305985	108.14	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	965531	93.55	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	137563	100.64	ug/l	98

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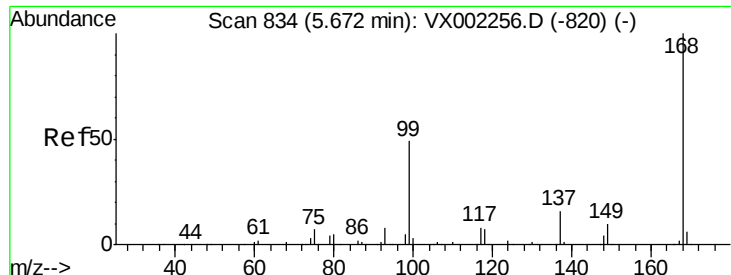
Manual Integrations
APPROVED

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Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	719060	99.36	ug/l	100
94) Hexachlorobutadiene	13.79	225	388538	108.64	ug/l	99
95) Naphthalene	13.84	128	2002913	96.32	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	719137	97.43	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 318617

Ion Ratio Lower Upper

168 100

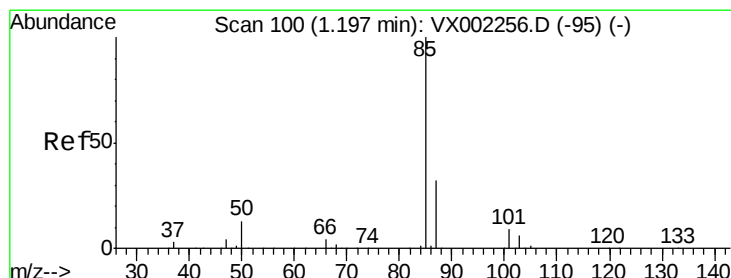
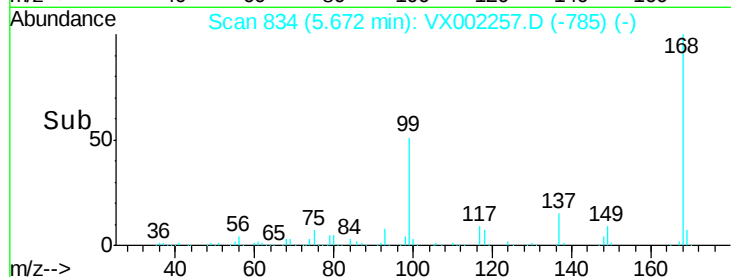
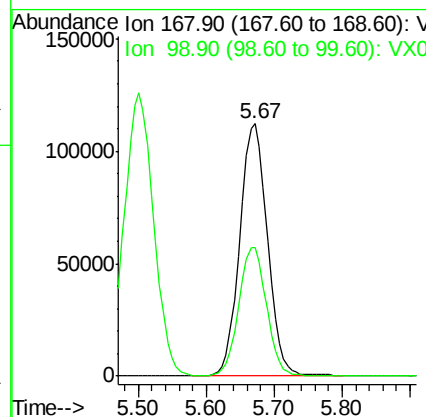
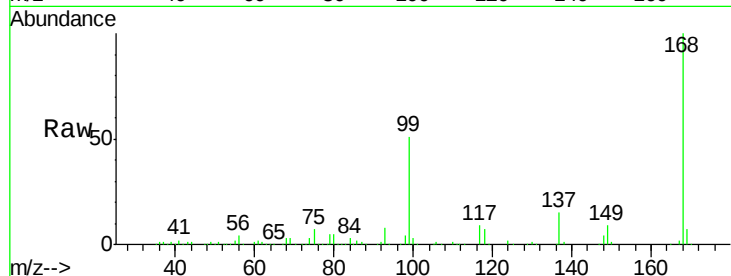
99 50.5 39.3 58.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 104.29 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002257.D

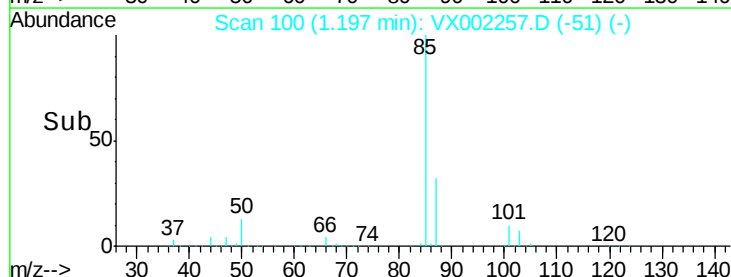
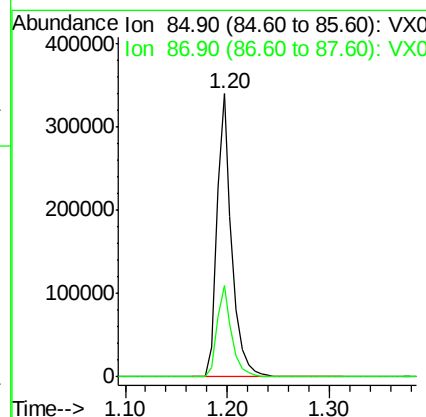
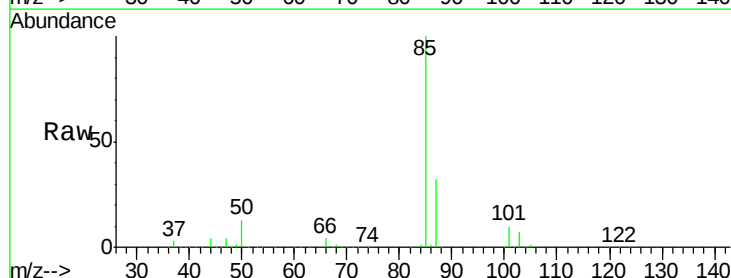
Acq: 04 Jun 2018 11:52

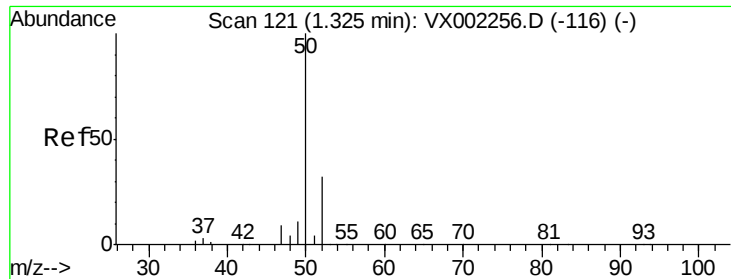
Tgt Ion: 85 Resp: 345410

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9





#3

Chloromethane

Concen: 86.80 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 378325

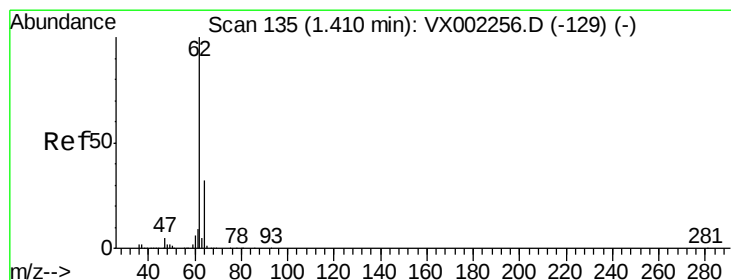
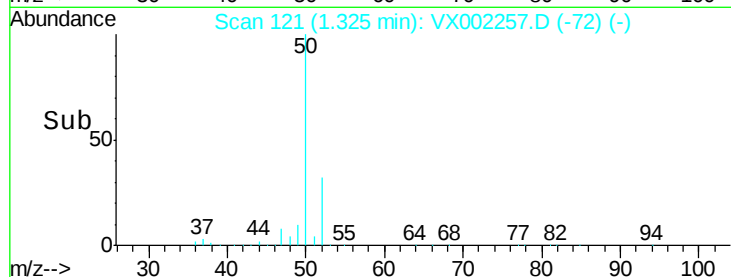
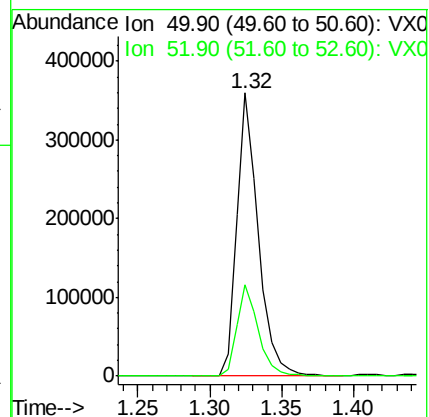
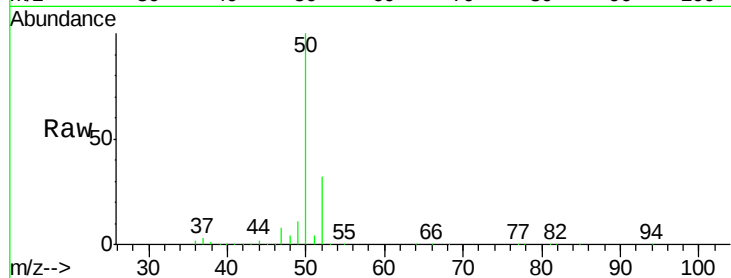
Ion Ratio Lower Upper

50 100

52 32.2 25.7 38.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 95.81 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002257.D

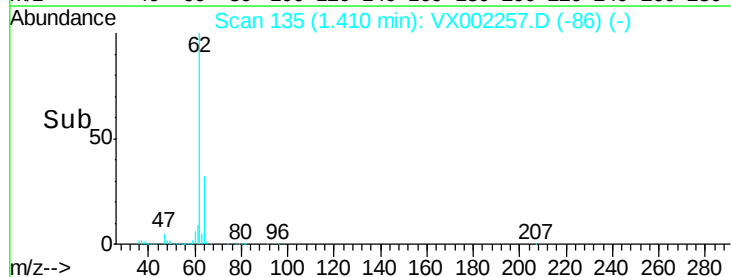
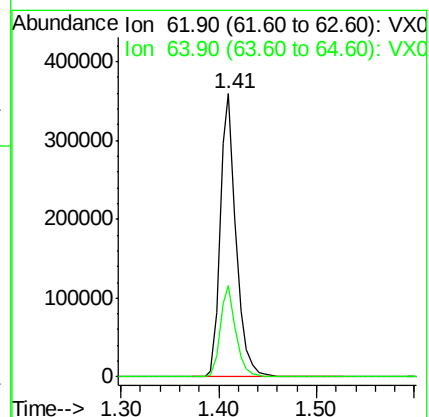
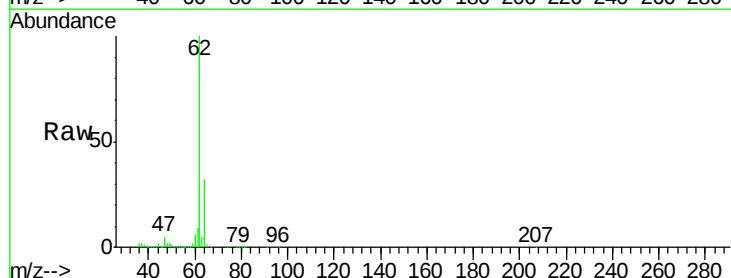
Acq: 04 Jun 2018 11:52

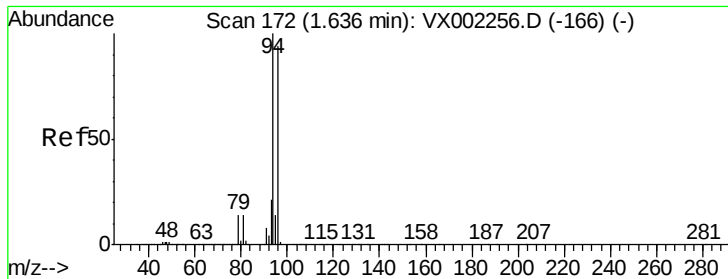
Tgt Ion: 62 Resp: 399938

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 69.14 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 229389

Ion Ratio Lower Upper

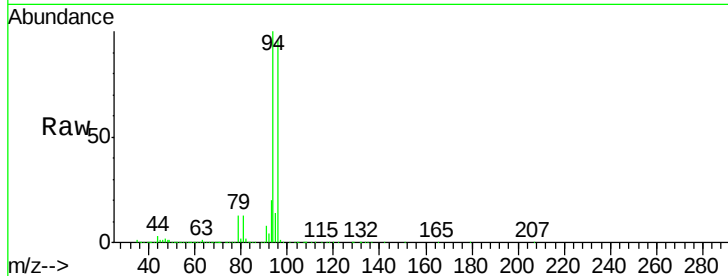
94 100

96 95.7 74.9 112.3

Manual Integrations
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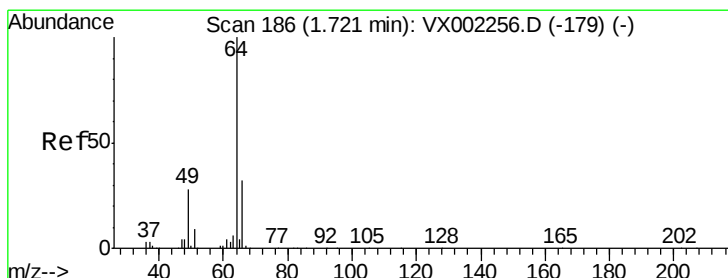
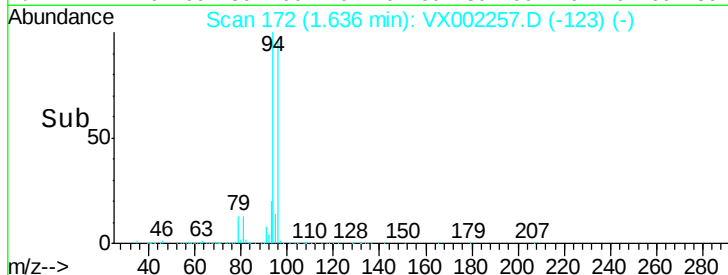
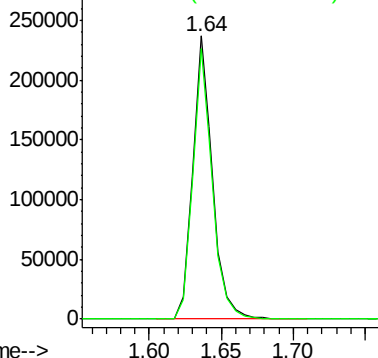
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 91.27 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX002257.D

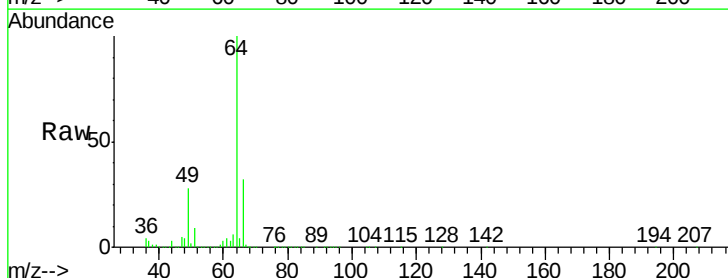
Acq: 04 Jun 2018 11:52

Tgt Ion: 64 Resp: 246457

Ion Ratio Lower Upper

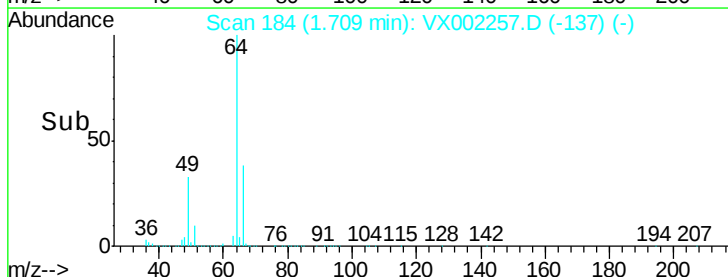
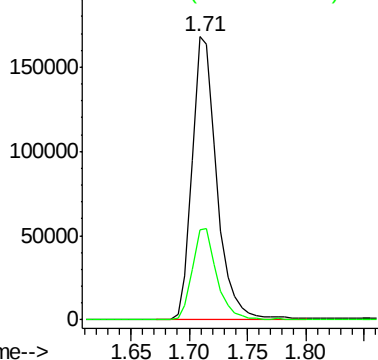
64 100

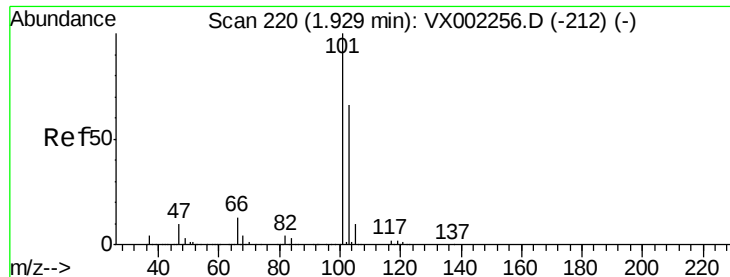
66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

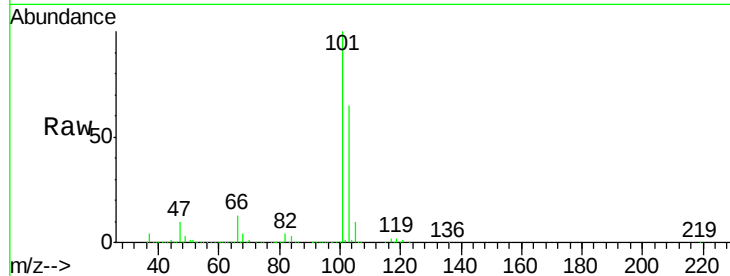
Trichlorofluoromethane
 Concen: 101.26 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

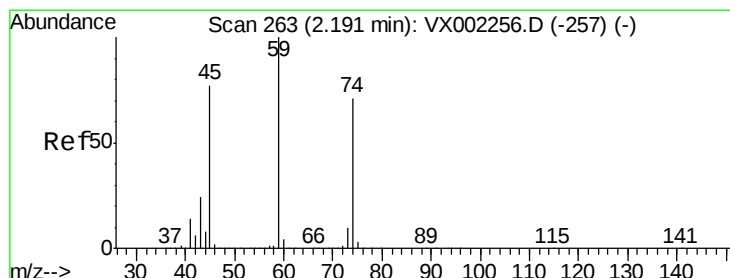
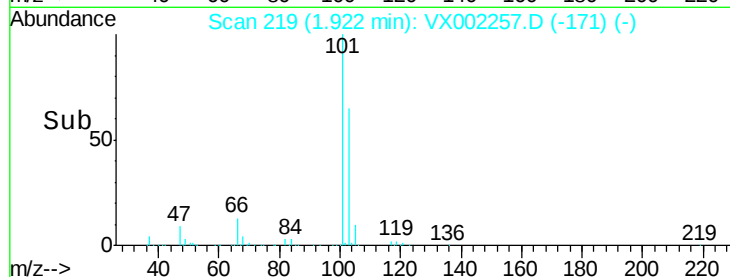
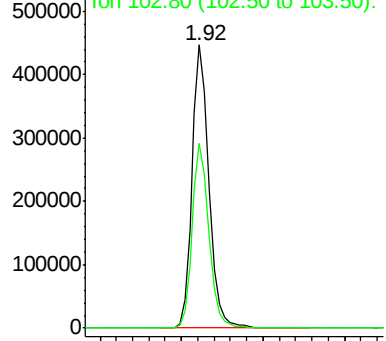
Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.8	79.2

Manual Integrations
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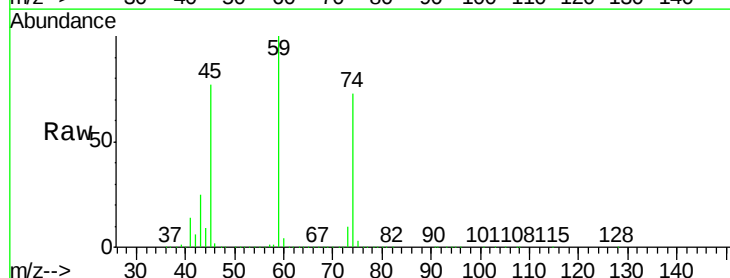
Abundance Ion 100.90 (100.60 to 101.60): V



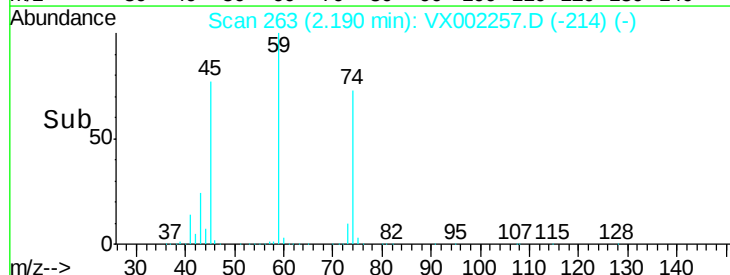
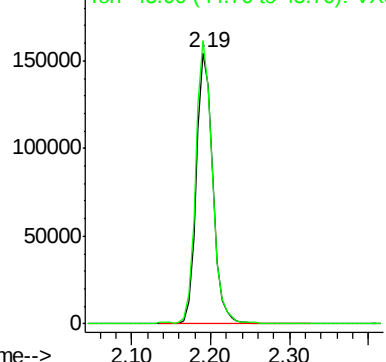
#8

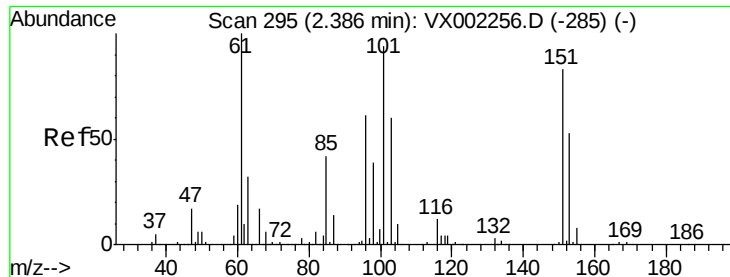
Diethyl Ether
 Concen: 86.36 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	53.1	159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 104.48 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

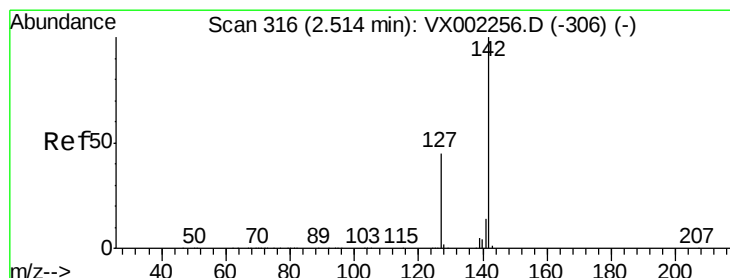
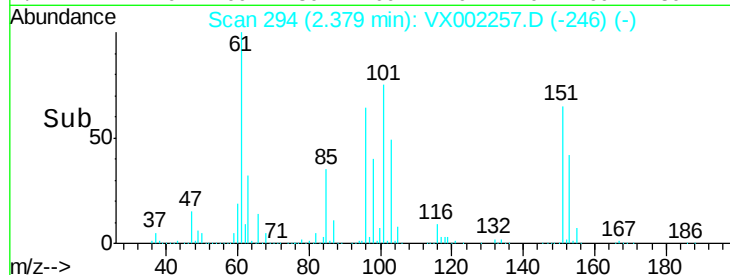
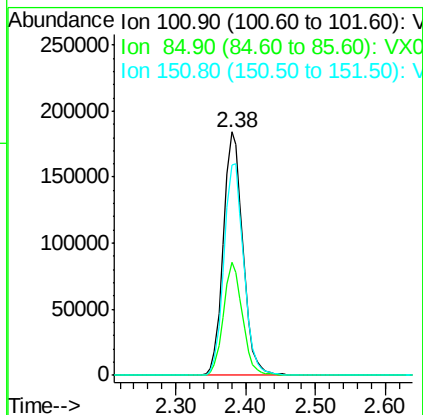
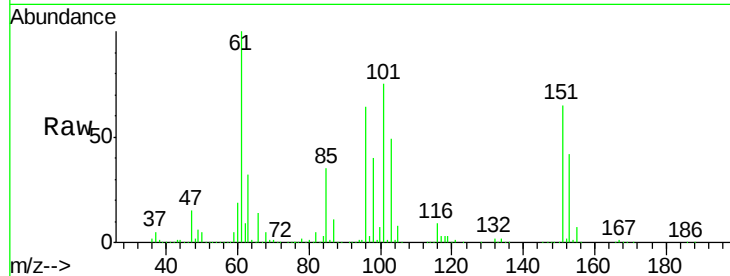
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	358587
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.0	54.0
151	88.2	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 102.50 ug/l

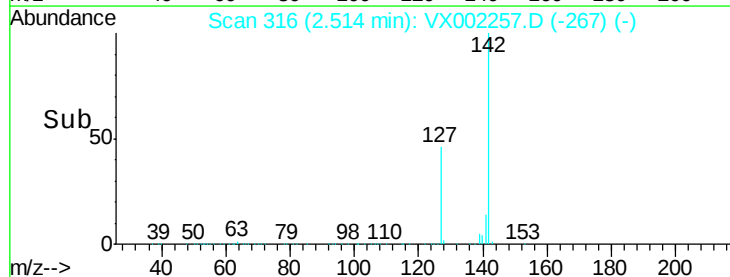
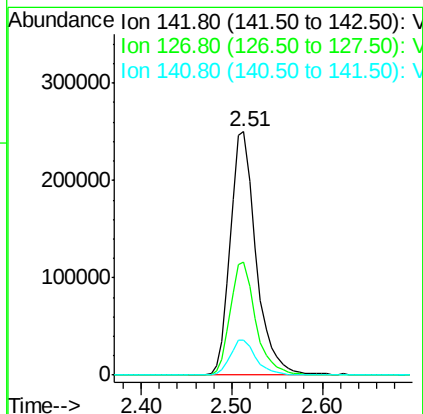
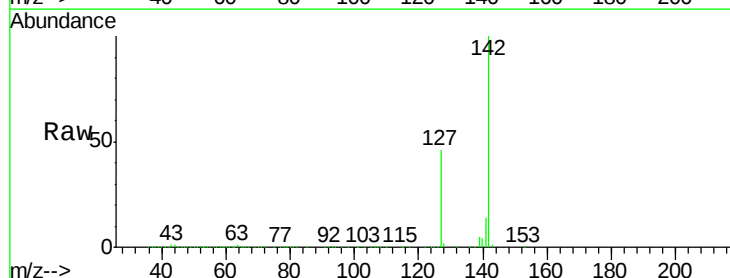
RT: 2.51 min Scan# 316

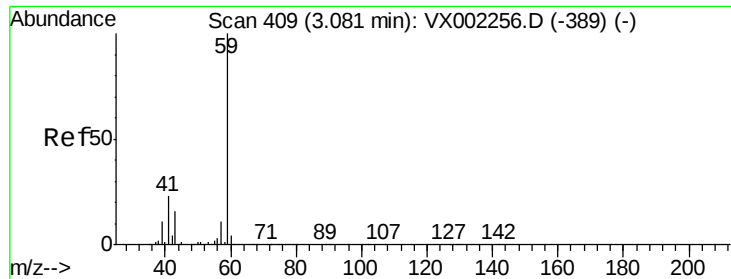
Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Tgt Ion:	142	Resp:	494846
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.6	55.0
141	14.5	11.3	16.9





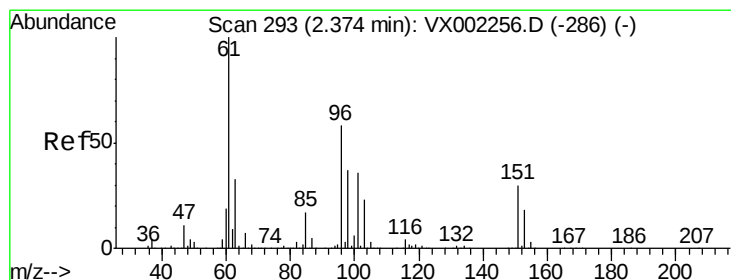
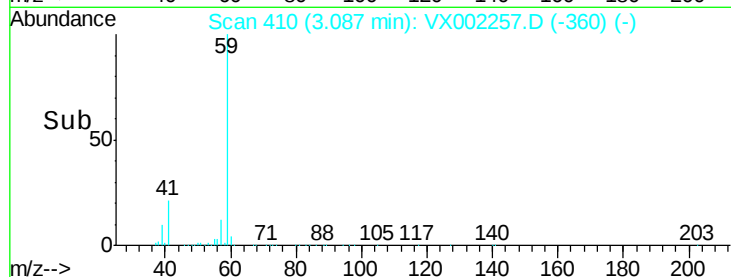
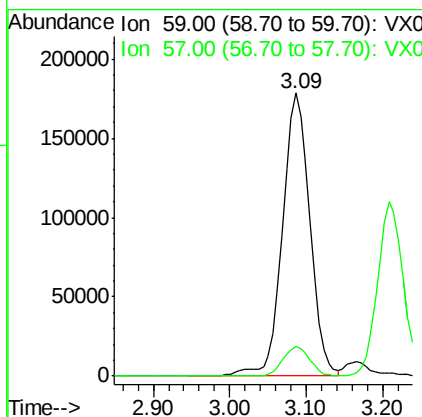
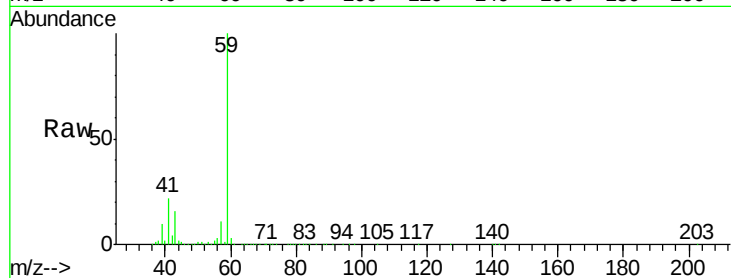
#11
Tert butyl alcohol
Concen: 432.64 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 441725
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

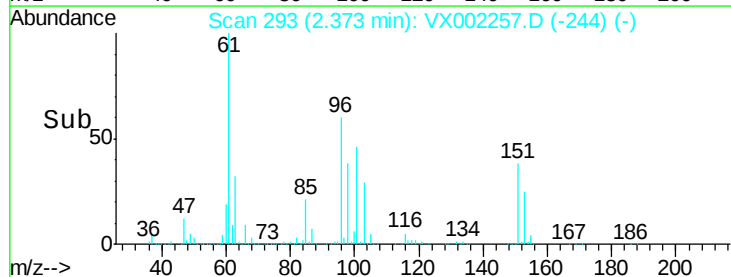
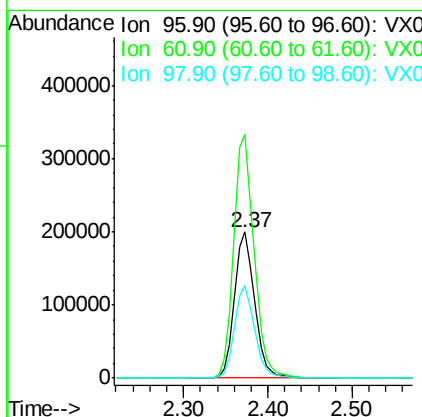
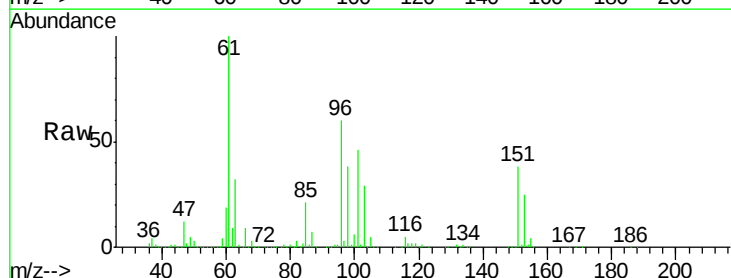
Manual Integrations
APPROVED

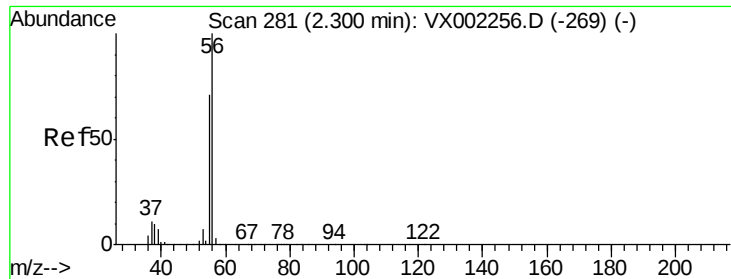
MMDadoda
6/5/2018 5:56:03 PM



#12
1,1-Dichloroethene
Concen: 94.73 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion: 96 Resp: 321327
Ion Ratio Lower Upper
96 100
61 166.8 137.9 206.9
98 63.4 51.6 77.4





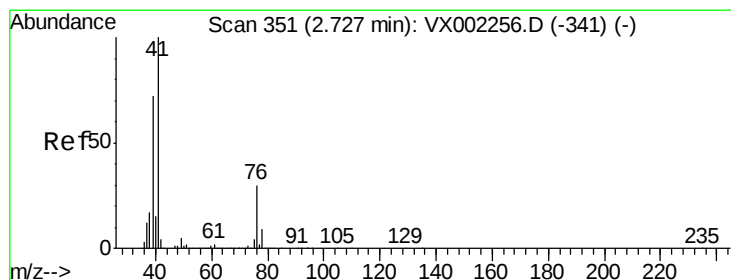
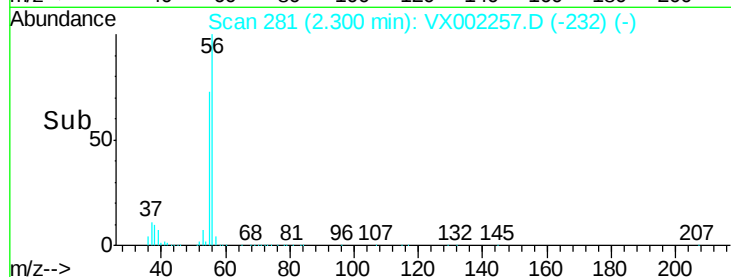
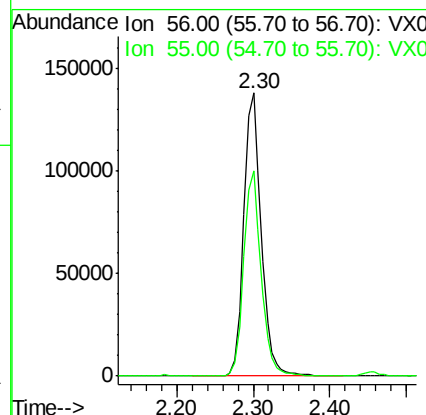
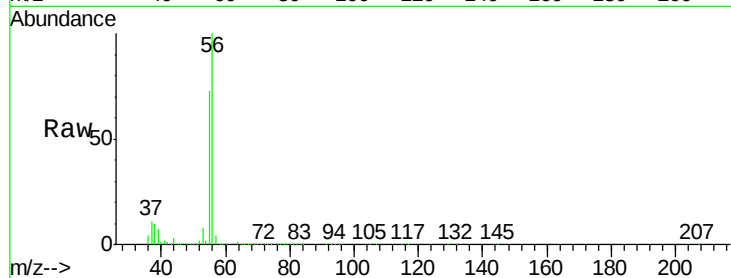
#13
Acrolein
Concen: 442.23 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.0	57.0	85.4

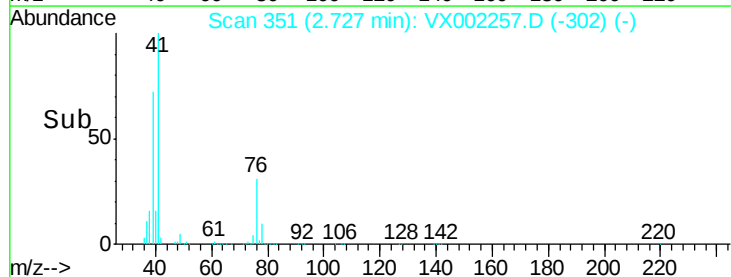
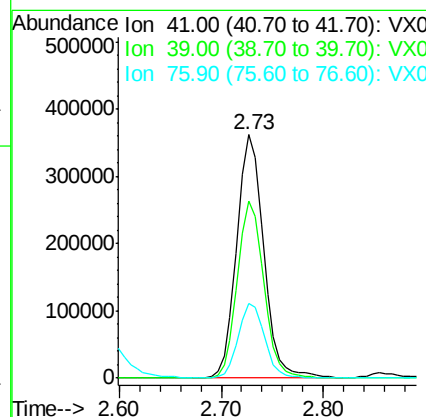
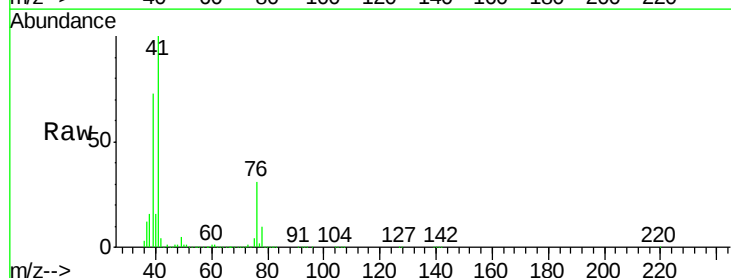
Manual Integrations
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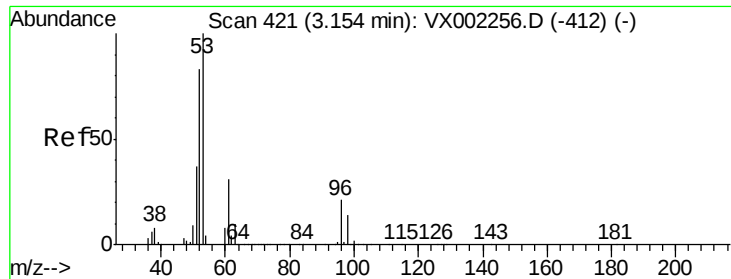
MMDadoda
6/5/2018 5:56:03 PM



#14
Allyl chloride
Concen: 89.69 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.3	56.8	85.2
76	29.9	23.8	35.8





#15

Acrylonitrile

Concen: 432.82 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

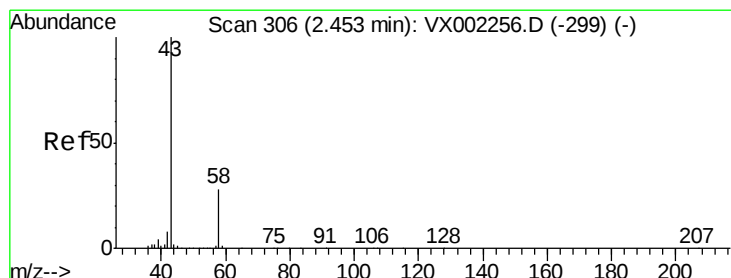
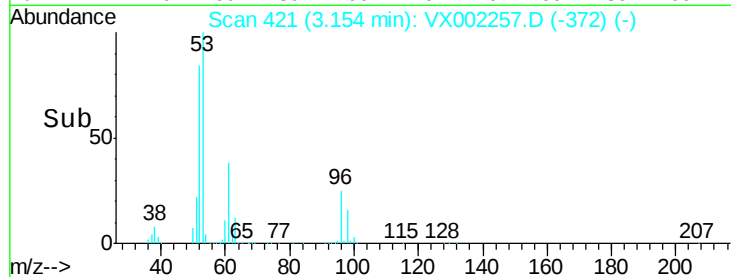
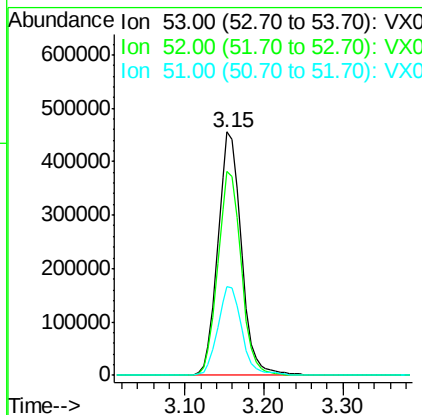
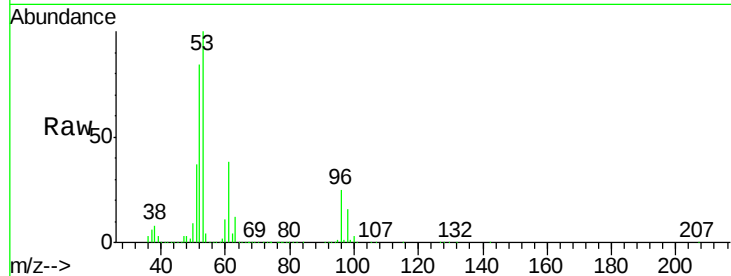
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	940584
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.7	100.1
51	37.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 418.20 ug/l

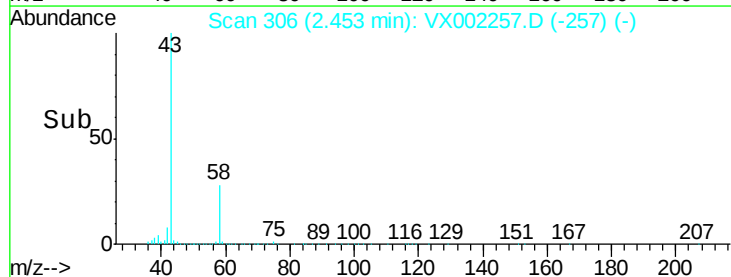
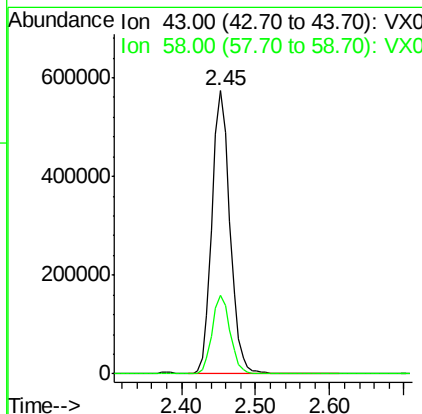
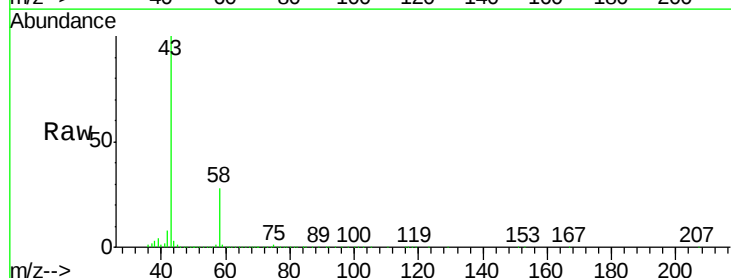
RT: 2.45 min Scan# 306

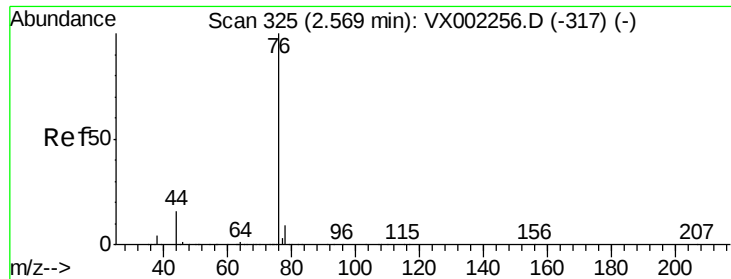
Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Tgt Ion:	43	Resp:	952813
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.1	33.1





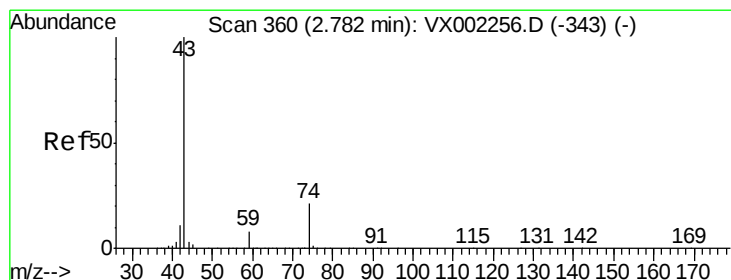
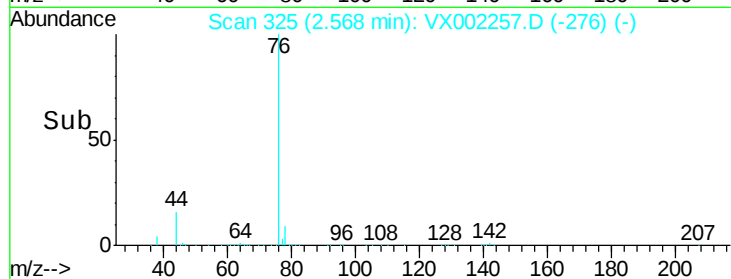
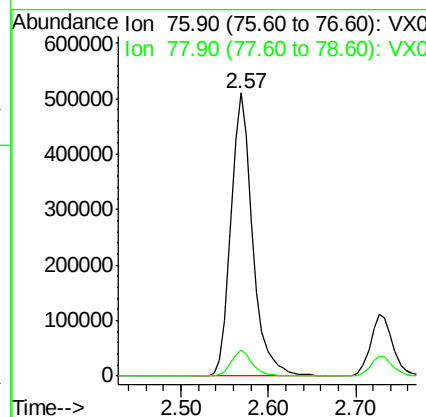
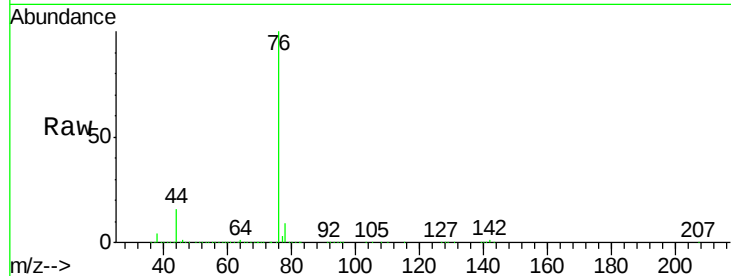
#17
Carbon Disulfide
Concen: 98.35 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

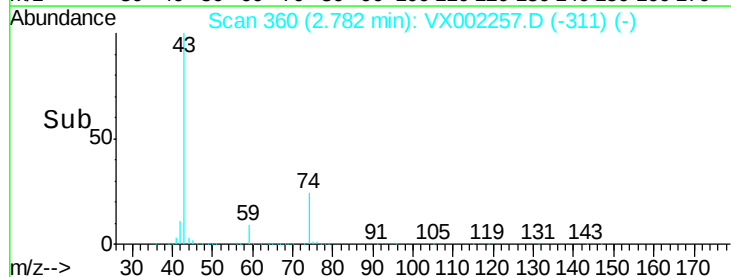
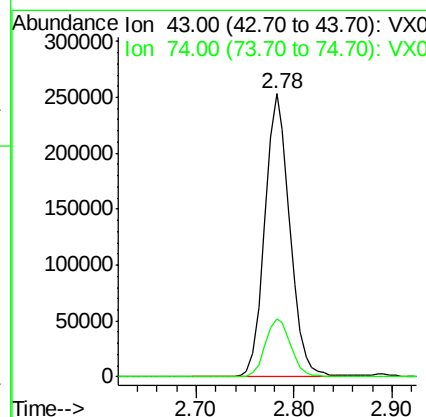
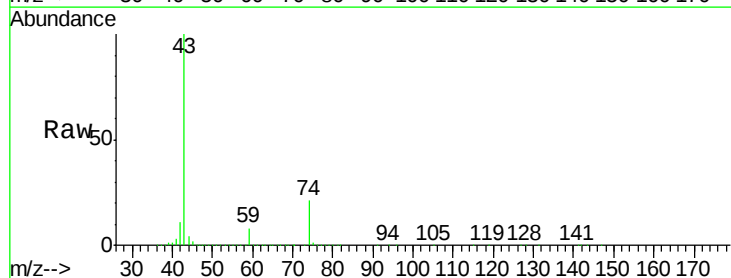
Manual Integrations
APPROVED

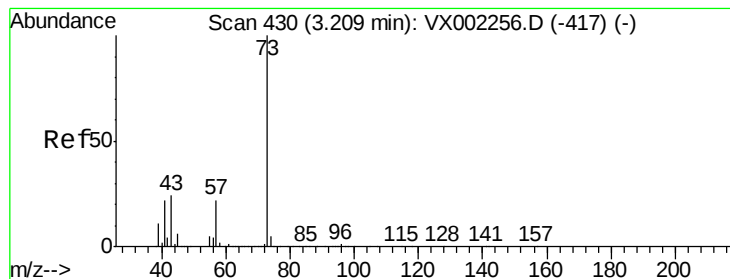
MMDadoda
6/5/2018 5:56:03 PM



#18
Methyl Acetate
Concen: 82.87 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1





#19

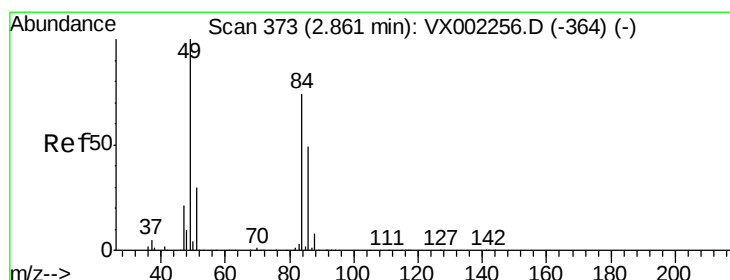
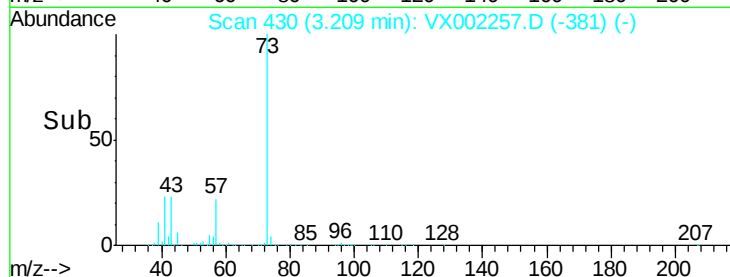
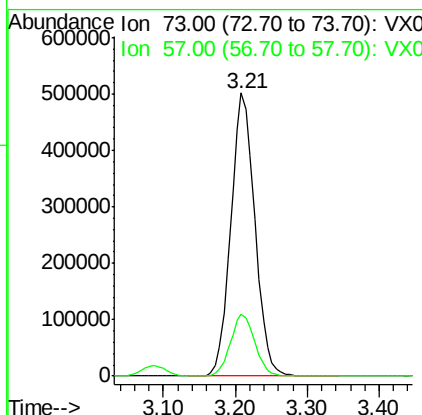
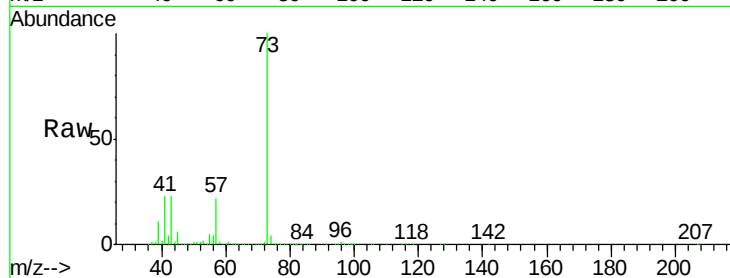
Methyl tert-butyl Ether
 Concen: 86.63 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 1164025
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.7 26.5

Manual Integrations
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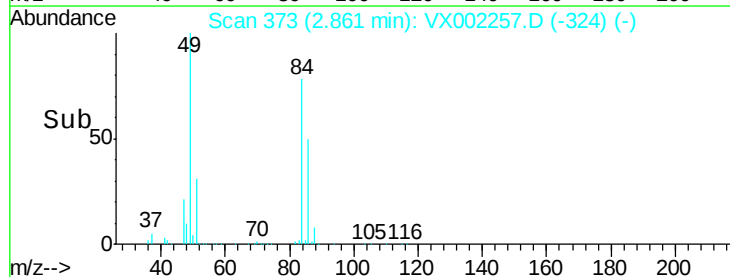
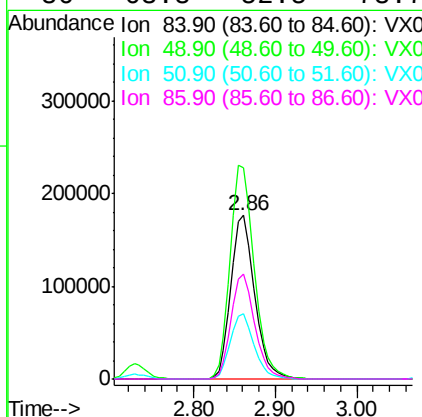
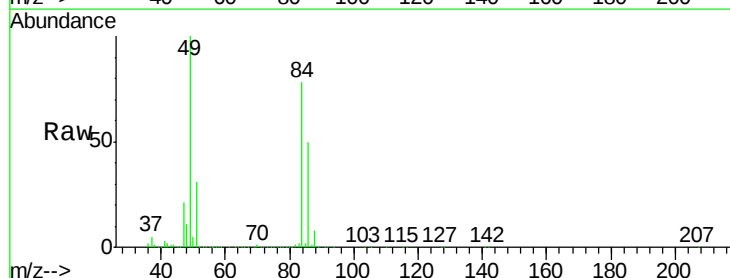
MMDadoda
 6/5/2018 5:56:03 PM

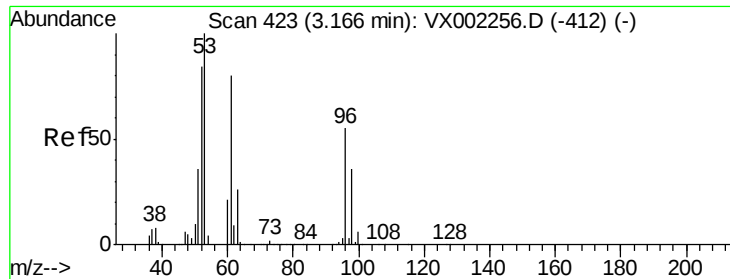


#20

Methylene Chloride
 Concen: 78.20 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Tgt Ion: 84 Resp: 354053
 Ion Ratio Lower Upper
 84 100
 49 128.6 107.8 161.6
 51 39.8 32.8 49.2
 86 63.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 90.78 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

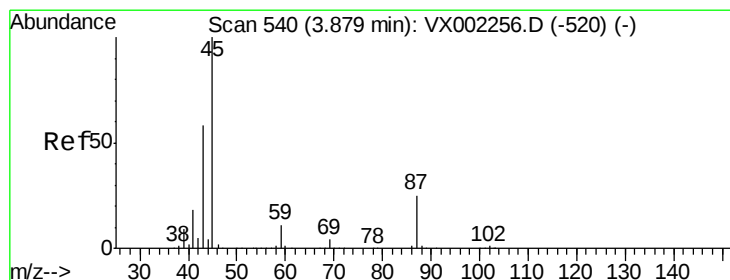
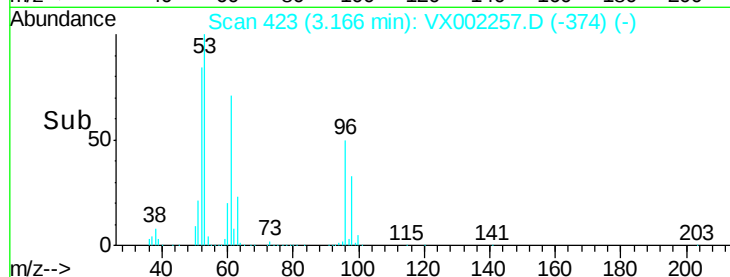
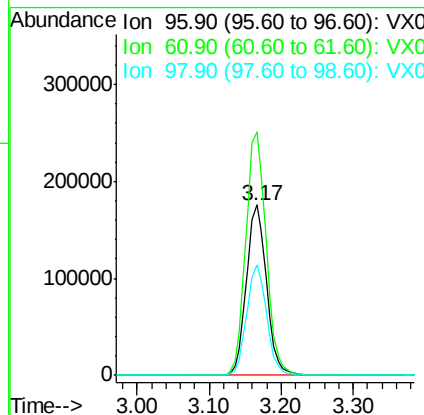
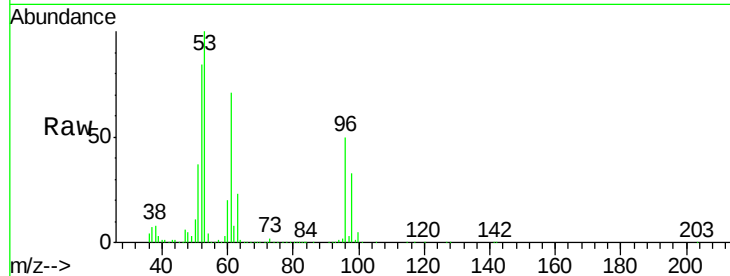
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	339543
Ion	Ratio	Lower	Upper
96	100		
61	142.8	117.0	175.4
98	65.2	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 89.15 ug/l

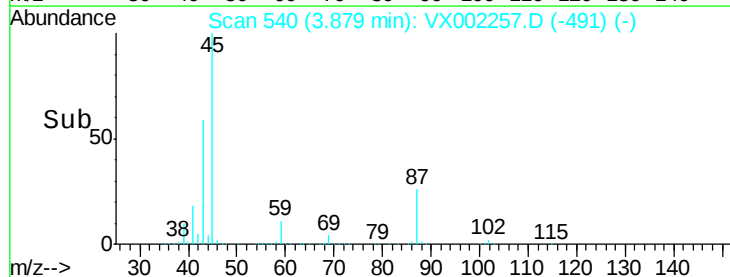
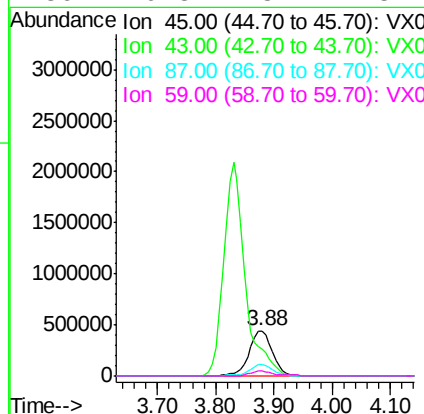
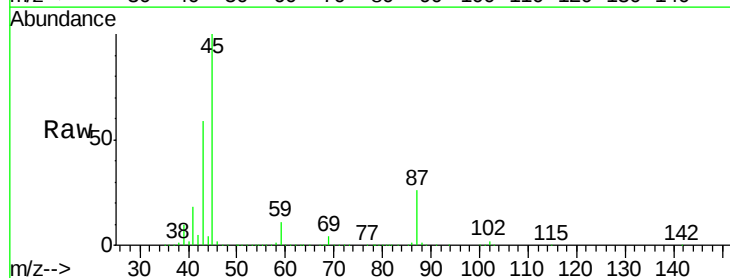
RT: 3.88 min Scan# 540

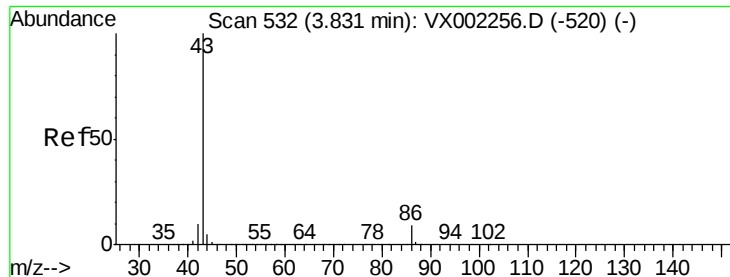
Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Tgt Ion:	45	Resp:	1224383
Ion	Ratio	Lower	Upper
45	100		
43	58.8	46.8	70.2
87	25.5	20.2	30.4
59	10.8	8.7	13.1





#23

Vinyl Acetate

Concen: 448.52 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 5352093

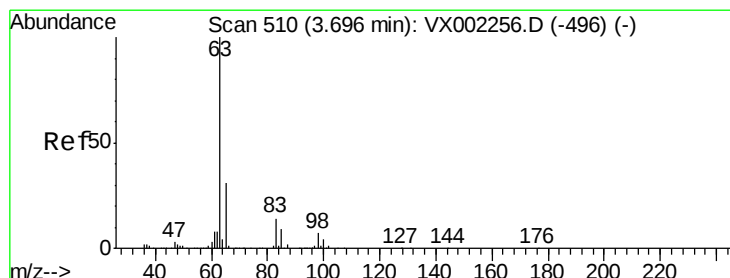
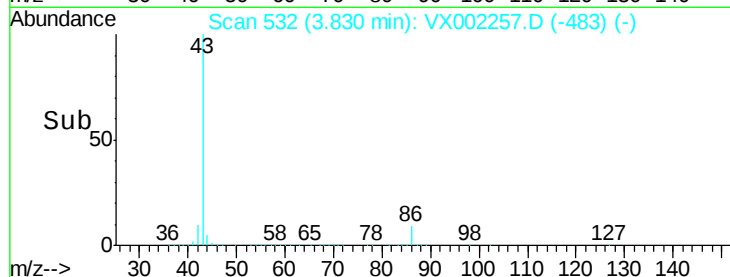
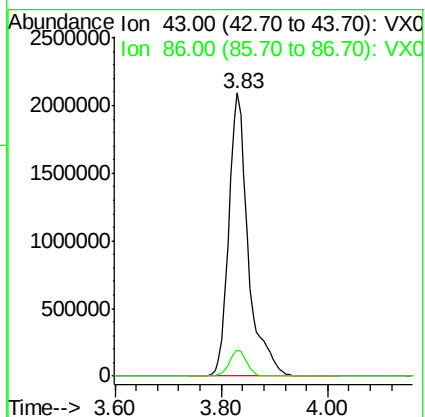
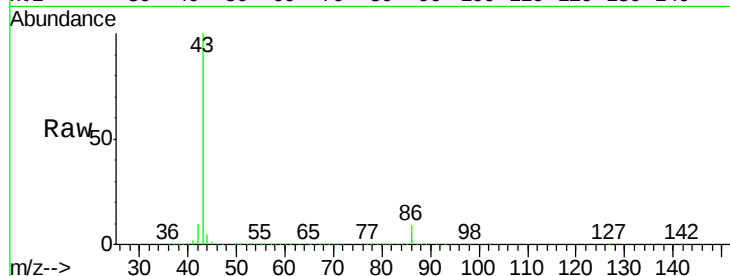
Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.0

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 90.35 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

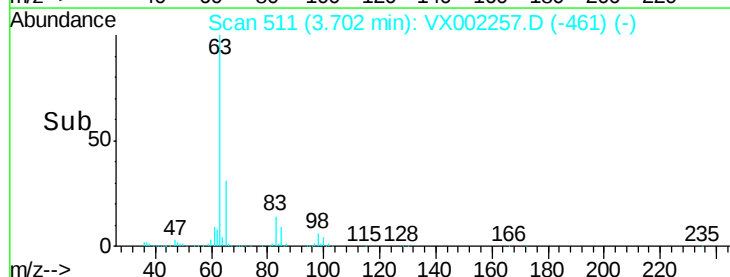
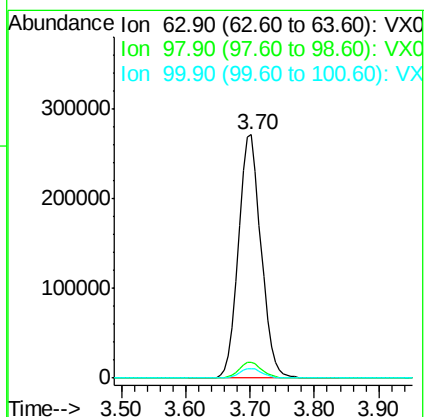
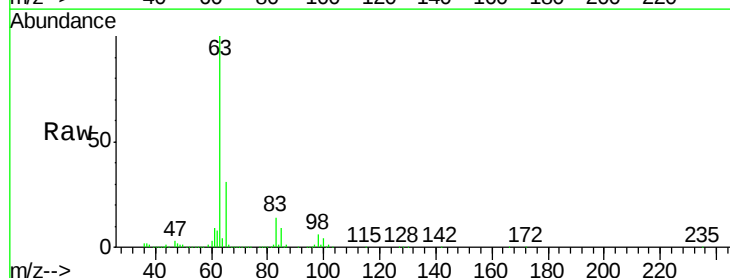
Tgt Ion: 63 Resp: 657289

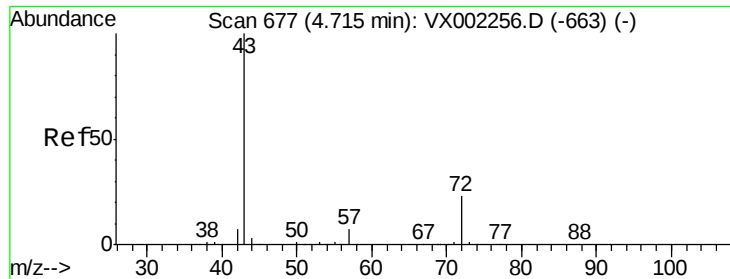
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 437.54 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Tot Ion: 43 Resp: 1366873

Ion Ratio Lower Upper

43 100

72 23.2 18.5 27.7

Instrument :

MSVOA_X

ClientSampled :

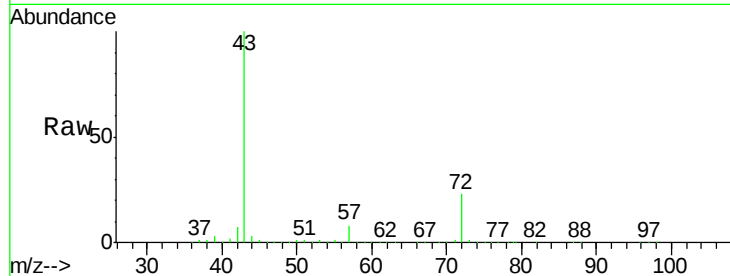
VSTDICC100

Manual Integrations

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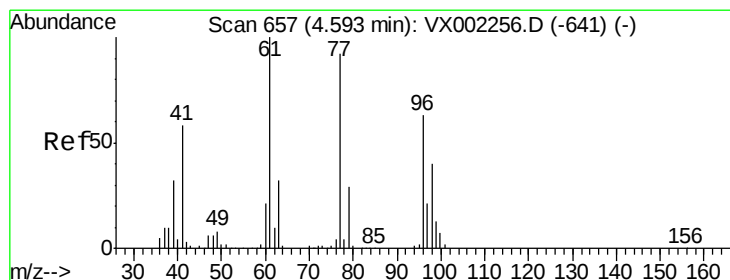
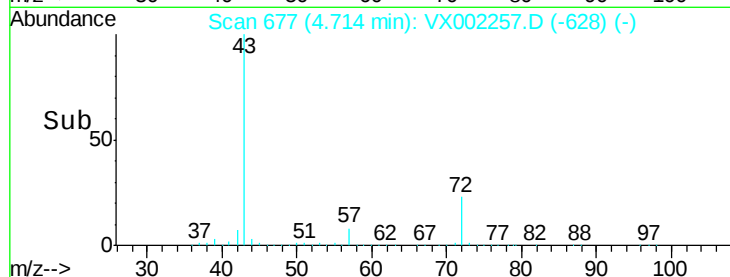
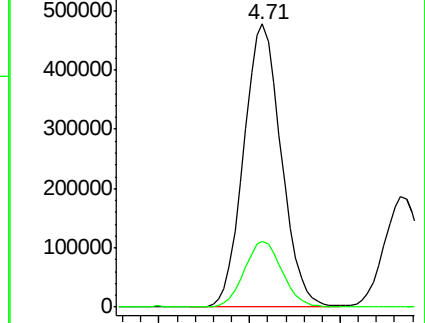
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 93.88 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002257.D

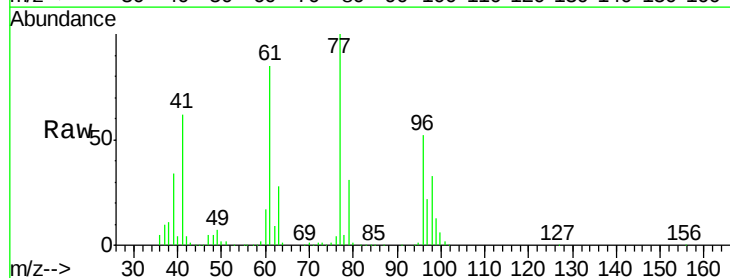
Acq: 04 Jun 2018 11:52

Tgt Ion: 77 Resp: 533902

Ion Ratio Lower Upper

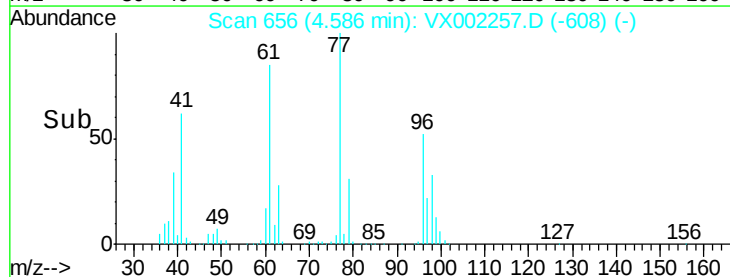
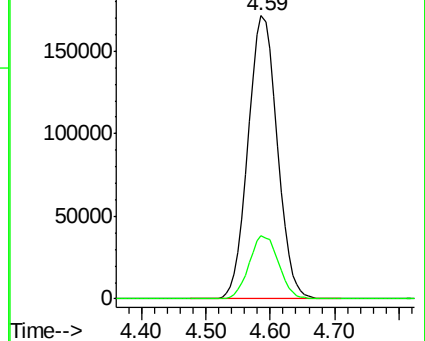
77 100

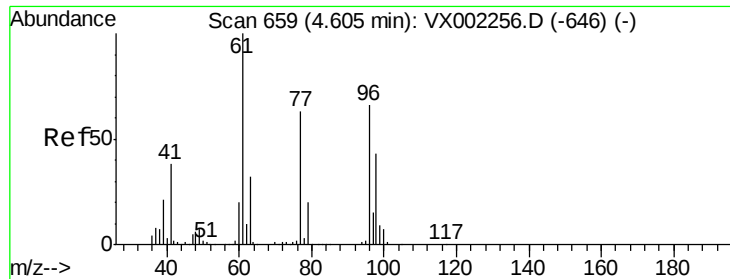
97 22.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 90.20 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

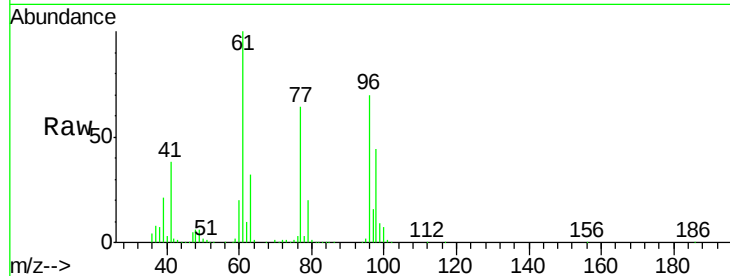
ClientSampled :

VSTDICC100

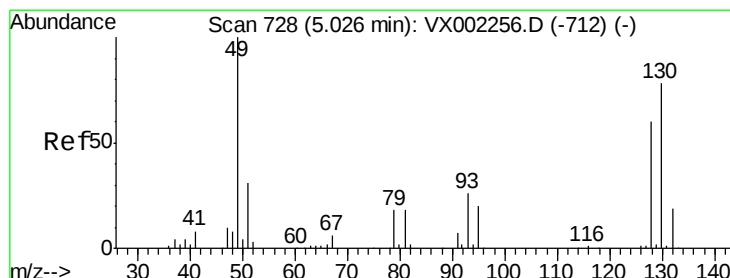
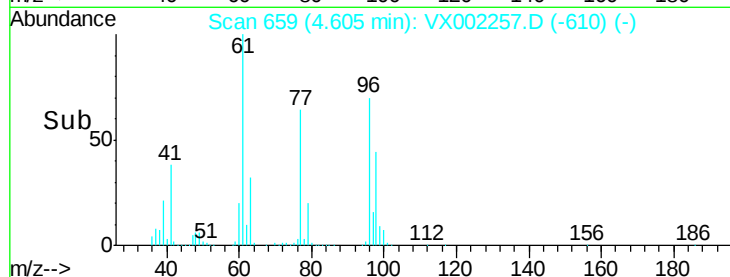
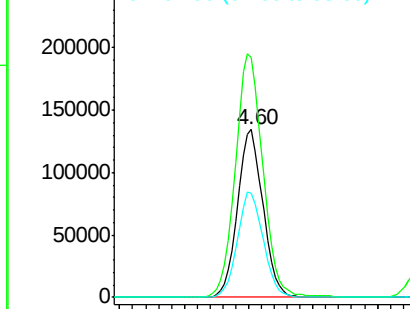
Tot Ion:	96	Resp:	366929
Ion	Ratio	Lower	Upper
96	100		
61	157.5	0.0	330.2
98	63.8	0.0	130.2

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 87.22 ug/l

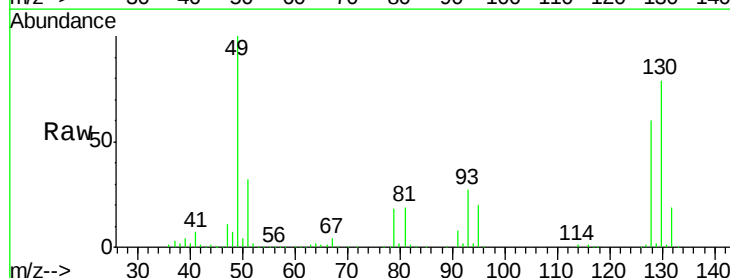
RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

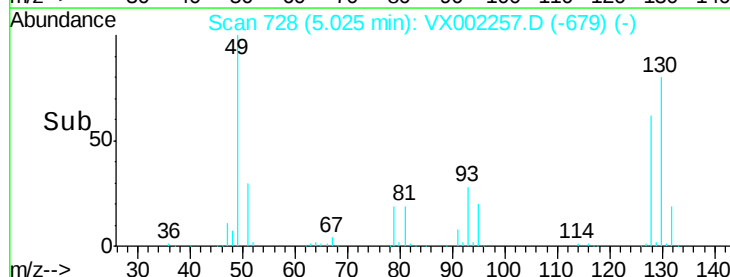
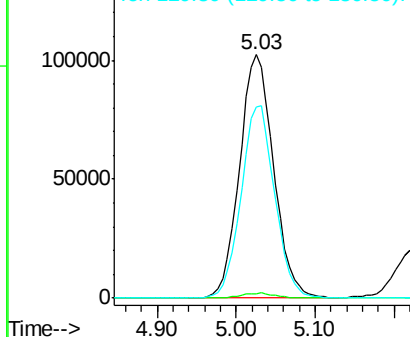
Lab File: VX002257.D

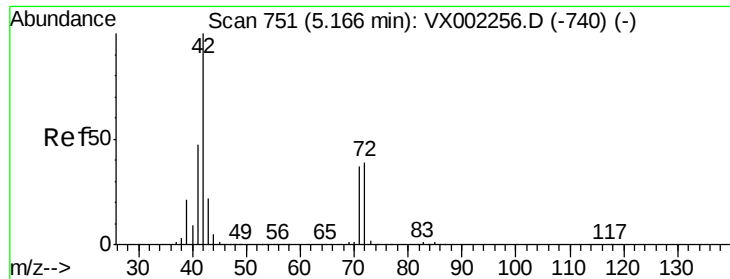
Acq: 04 Jun 2018 11:52

Tgt Ion:	49	Resp:	307271
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	78.1	61.2	91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





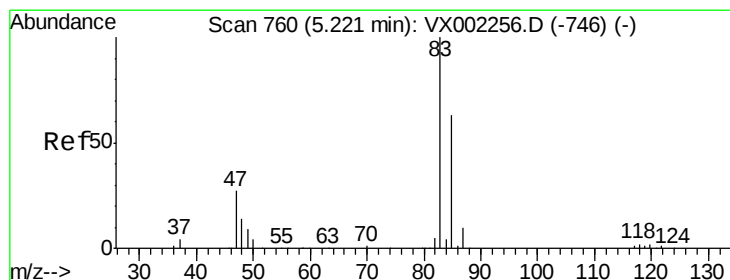
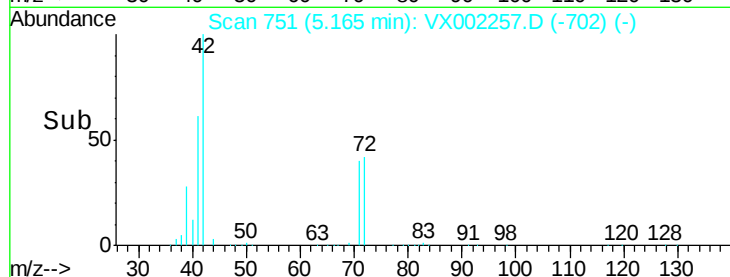
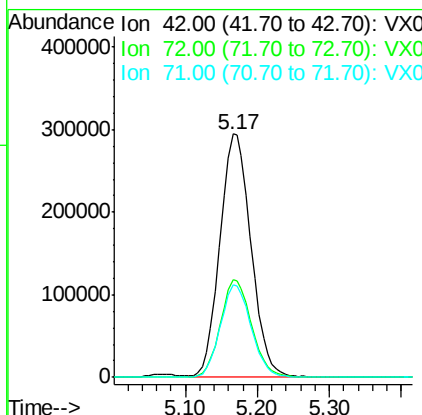
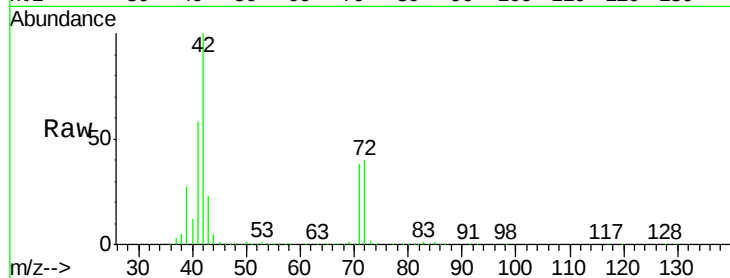
#29
Tetrahydrofuran
Concen: 439.26 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.0	48.0
71	37.7	30.1	45.1

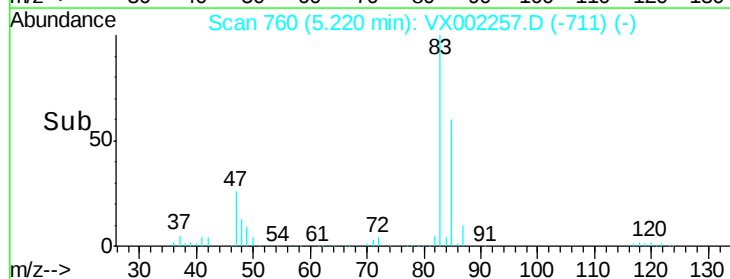
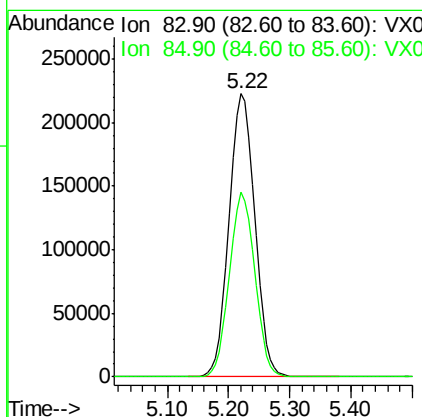
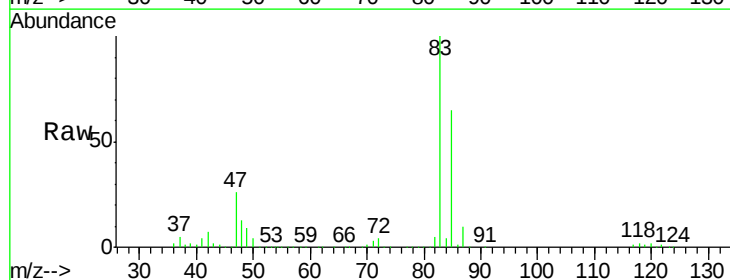
Manual Integrations
APPROVED

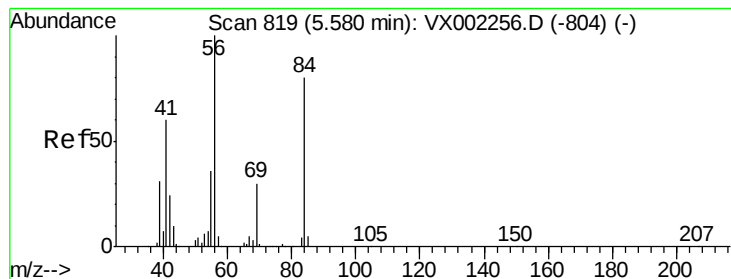
MMDadoda
6/5/2018 5:56:03 PM



#30
Chloroform
Concen: 92.00 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.4	75.6





#31

Cyclohexane

Concen: 104.03 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

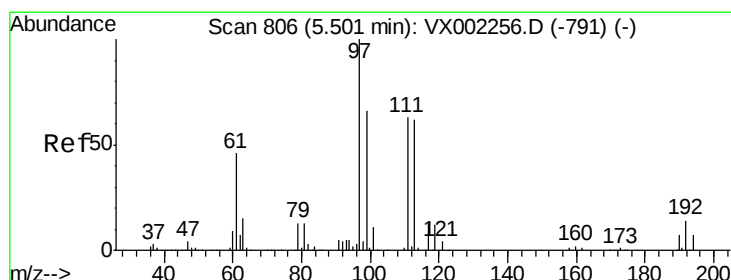
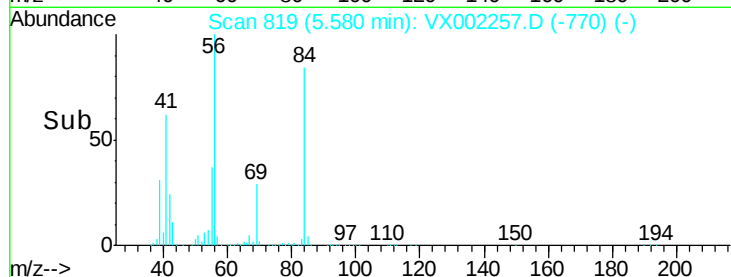
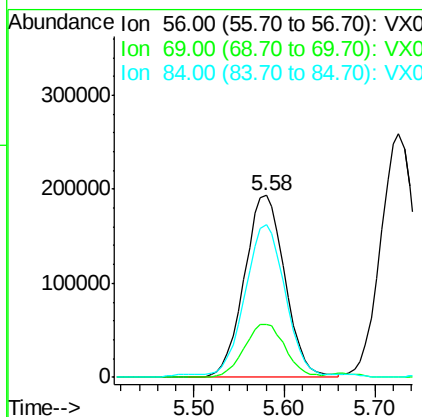
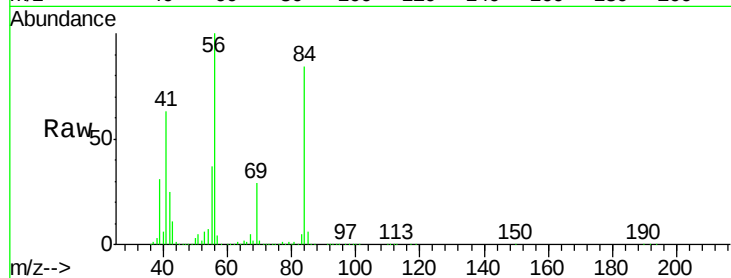
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	598495
Ion Ratio	Lower	Upper	
56	100		
69	29.1	23.7	35.5
84	82.5	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 99.26 ug/l

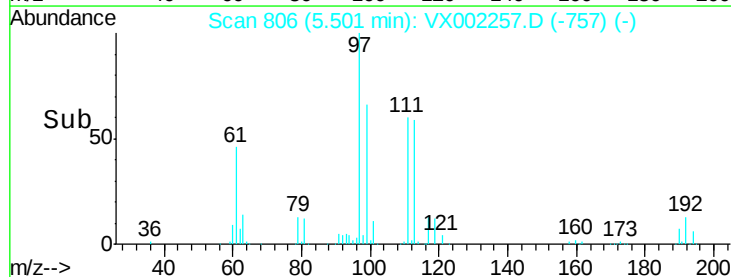
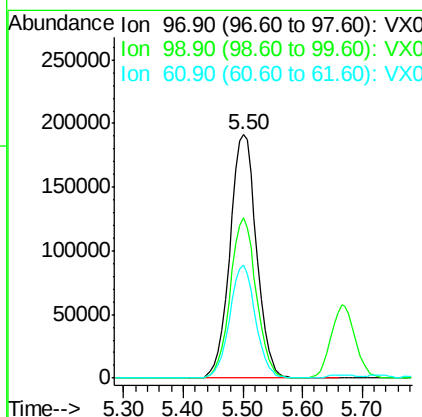
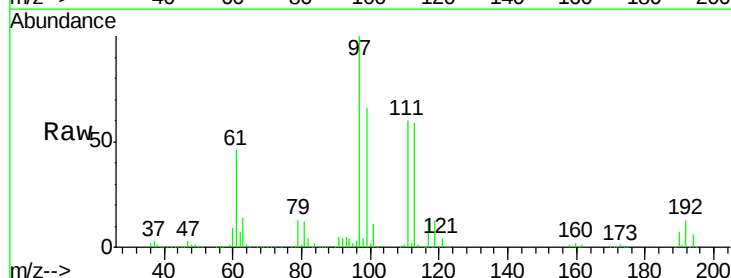
RT: 5.50 min Scan# 806

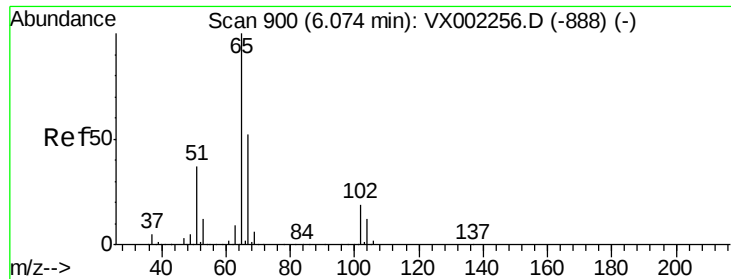
Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Tgt Ion:	97	Resp:	590990
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.6	77.4
61	45.2	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 90.51 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 448533

Ion Ratio Lower Upper

65 100

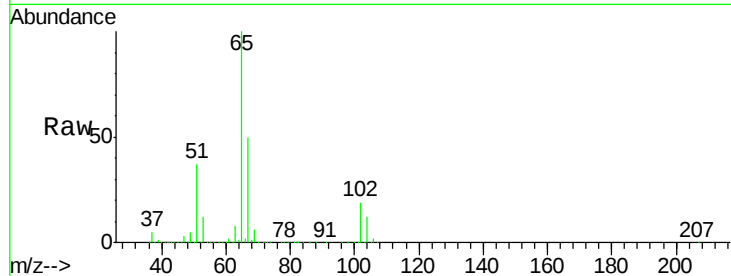
67 51.3 0.0 102.6

Manual Integrations

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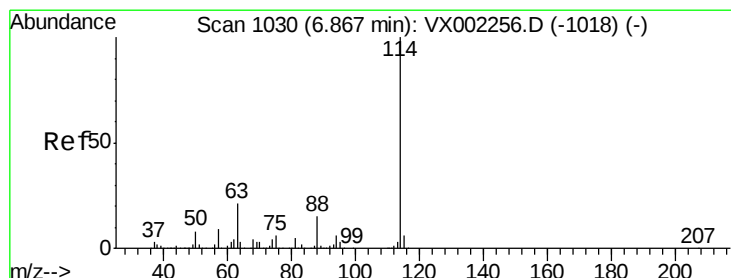
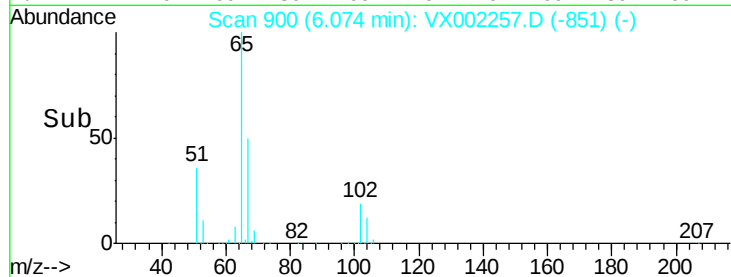
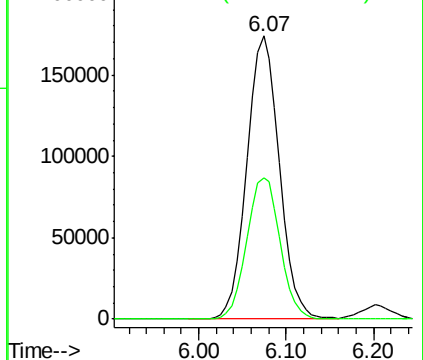
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

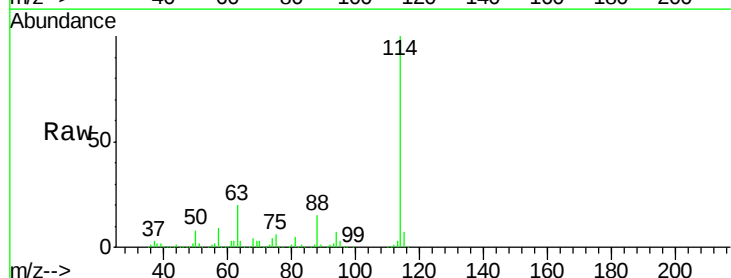
Tgt Ion: 114 Resp: 454309

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.4

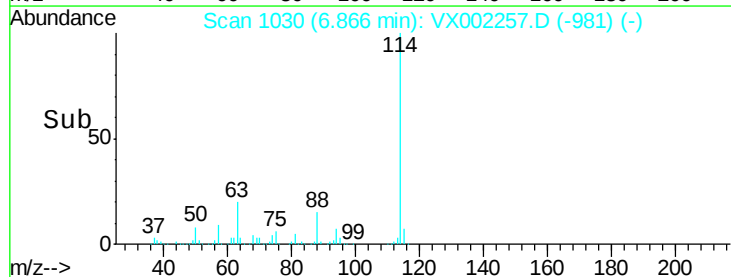
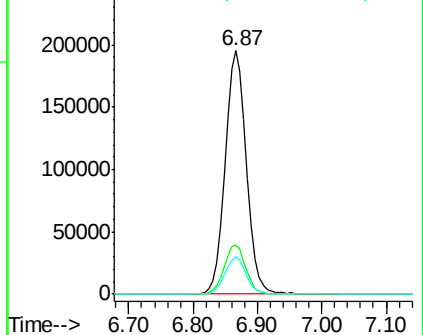
88 15.2 0.0 30.0

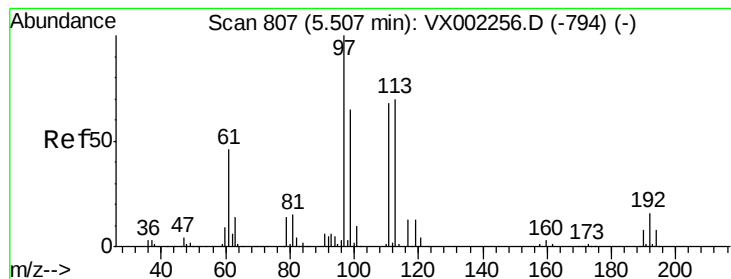


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 98.98 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

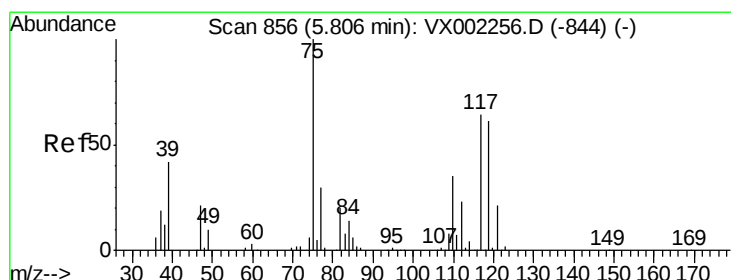
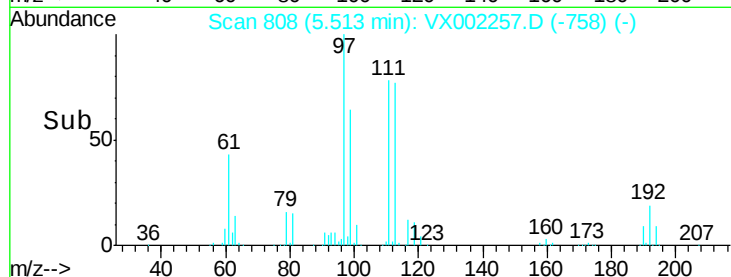
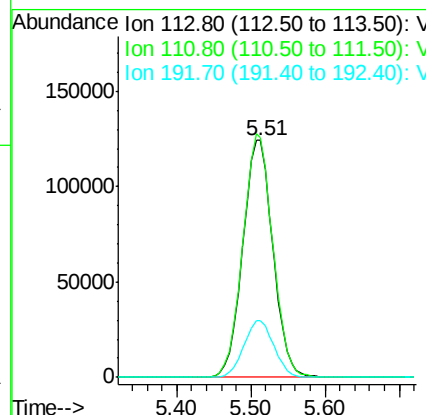
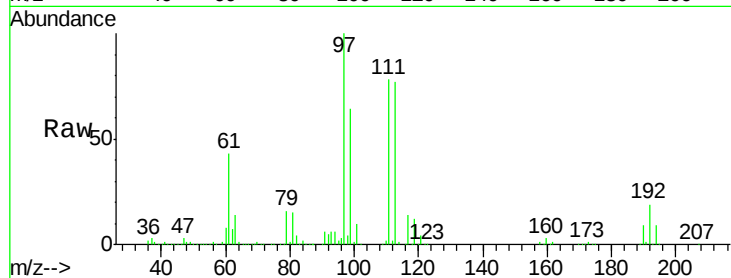
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	353613
Ion Ratio	Lower	Upper	
113	100		
111	101.5	81.4	122.0
192	24.0	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 102.04 ug/l

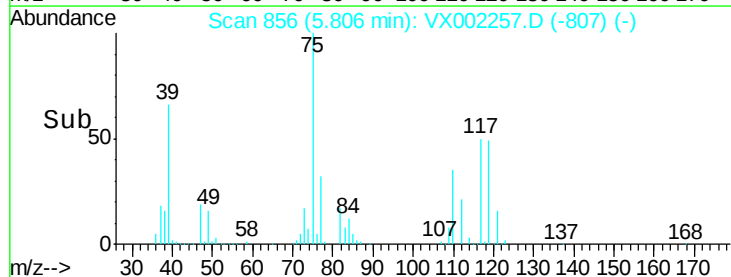
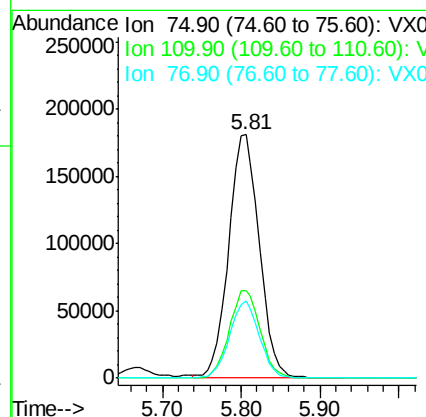
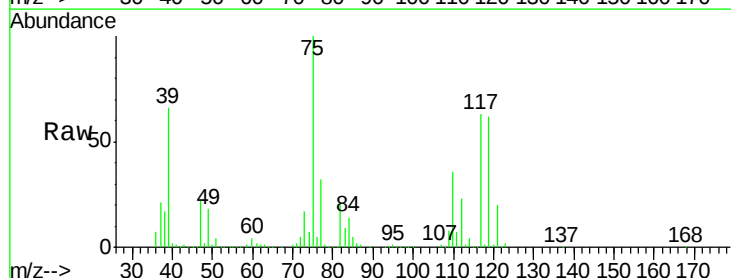
RT: 5.81 min Scan# 856

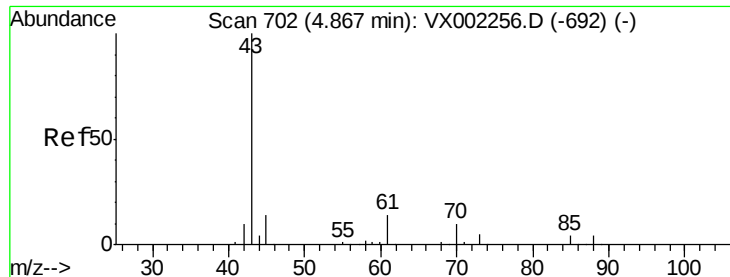
Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Tgt Ion:	75	Resp:	487330
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.1	54.4
77	30.8	24.3	36.5





#37

Ethyl Acetate

Concen: 94.49 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

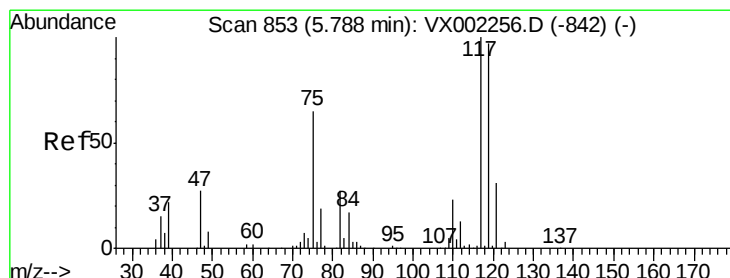
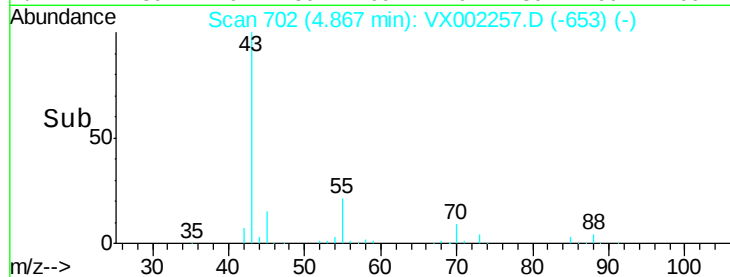
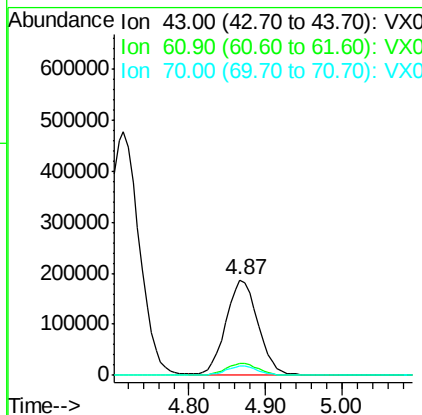
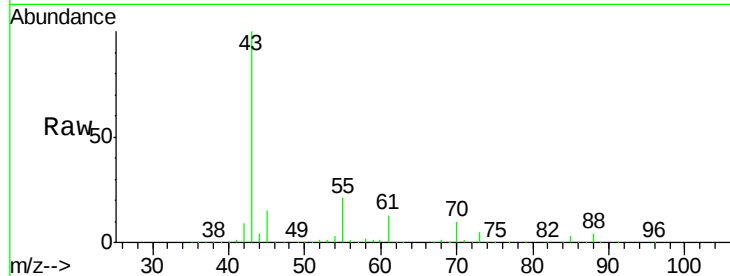
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	542727
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.4	15.6
70	9.6	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 107.39 ug/l

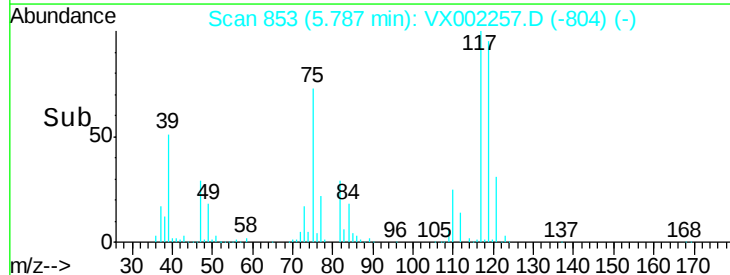
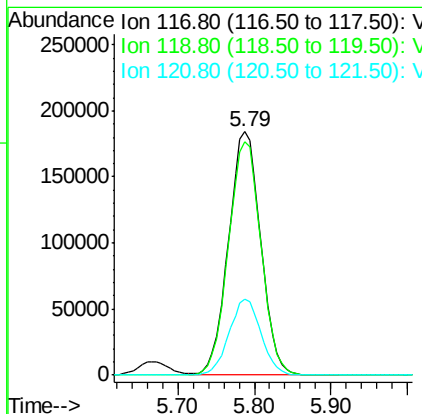
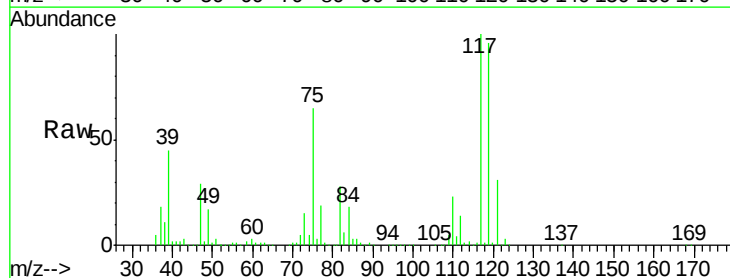
RT: 5.79 min Scan# 853

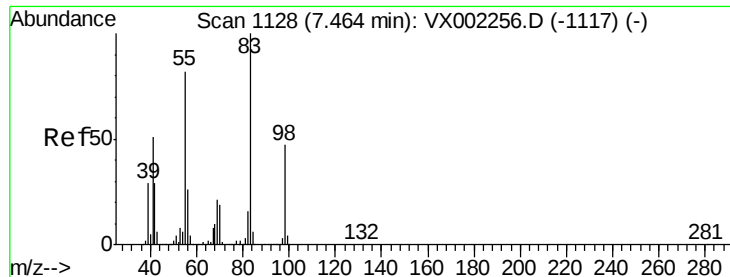
Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Tgt Ion:	117	Resp:	536582
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.4	116.0
121	31.5	24.4	36.6





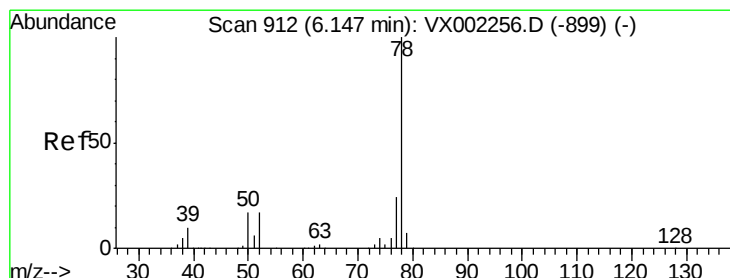
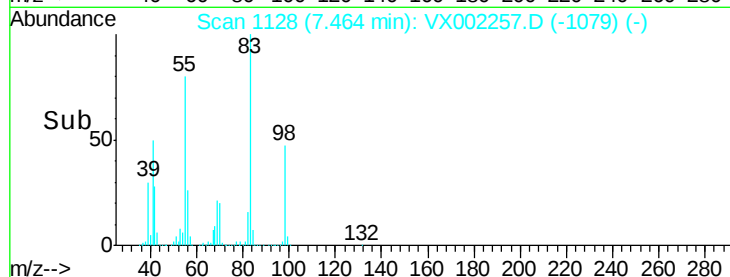
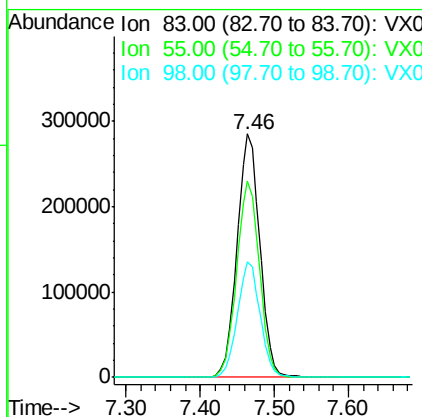
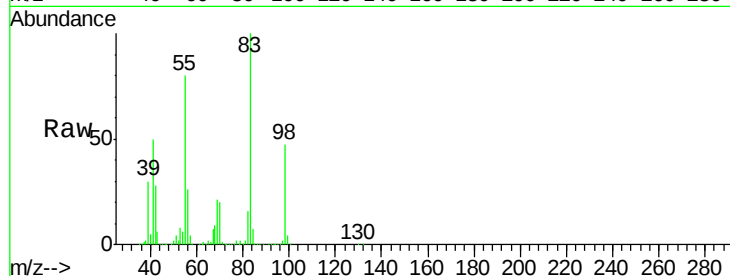
#39
Methvlcvclohexane
Concen: 112.45 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	65.4	98.0
98	47.4	37.4	56.0

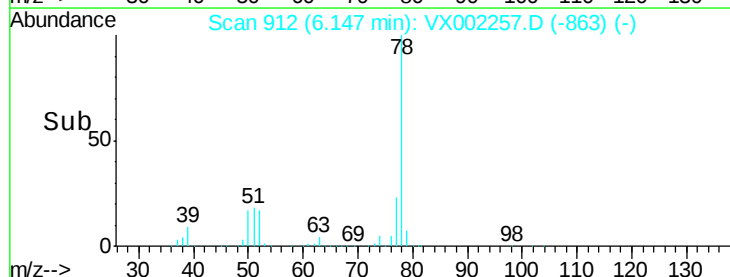
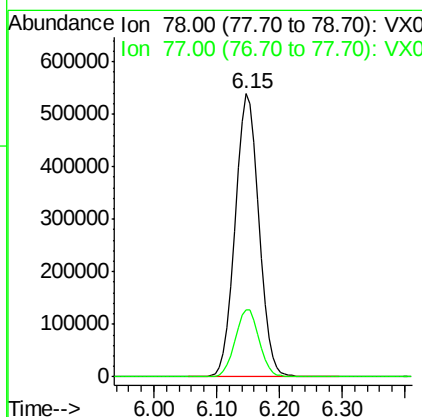
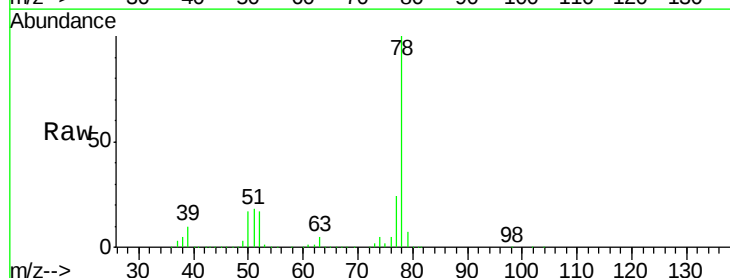
Manual Integrations
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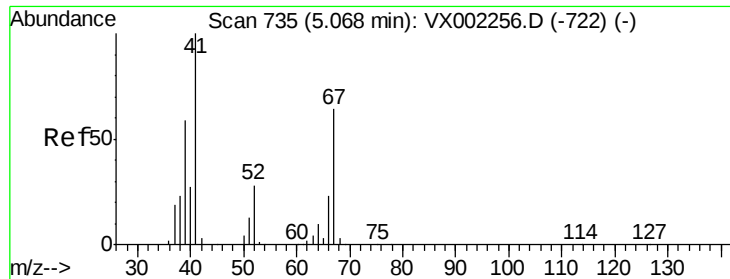
MMDadoda
6/5/2018 5:56:03 PM



#40
Benzene
Concen: 96.55 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





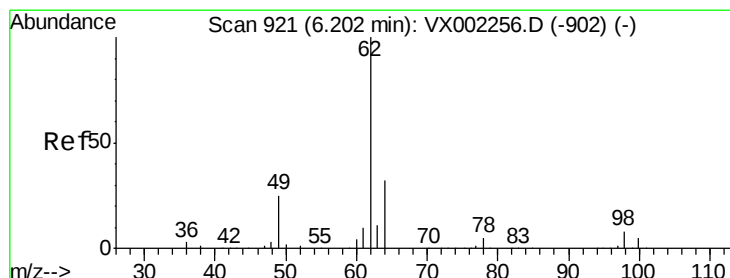
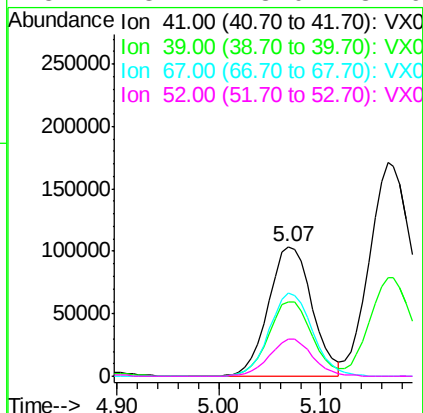
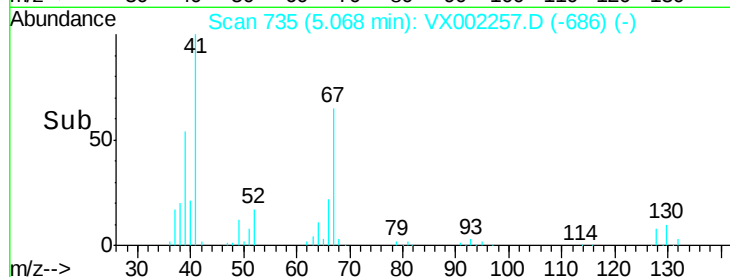
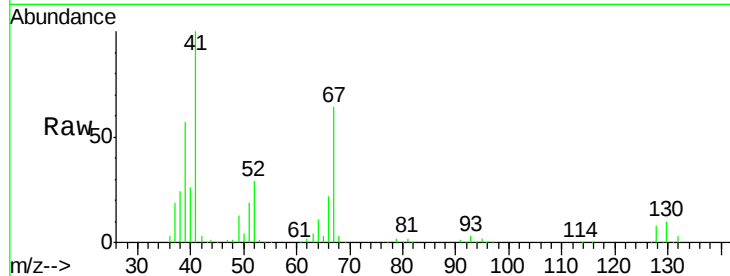
#41
Methacrylonitrile
Concen: 93.57 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.6	45.8	68.6	
67	63.7	51.3	76.9	
52	28.2	23.0	34.6	

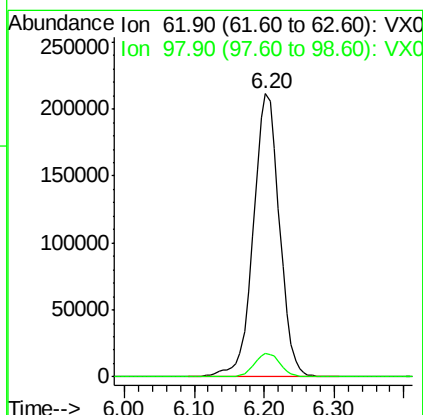
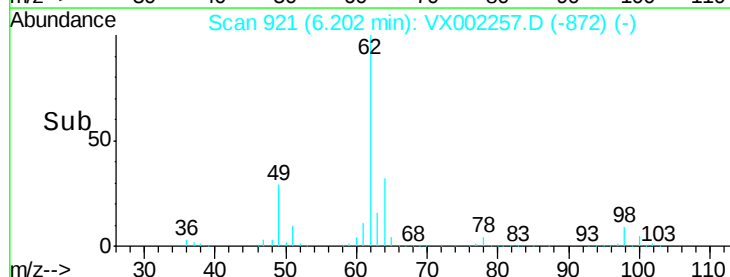
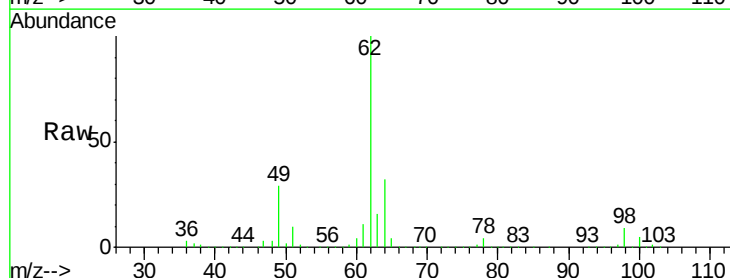
Manual Integrations
APPROVED

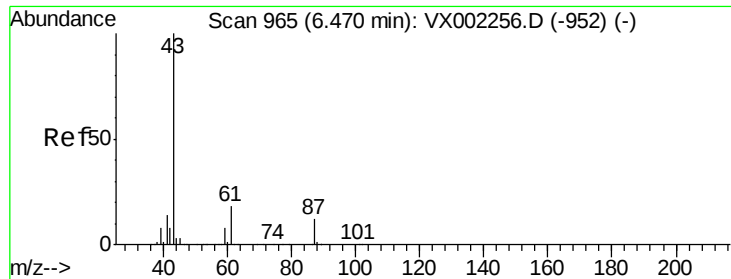
MMDadoda
6/5/2018 5:56:03 PM



#42
1,2-Dichloroethane
Concen: 93.93 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.6	





#43

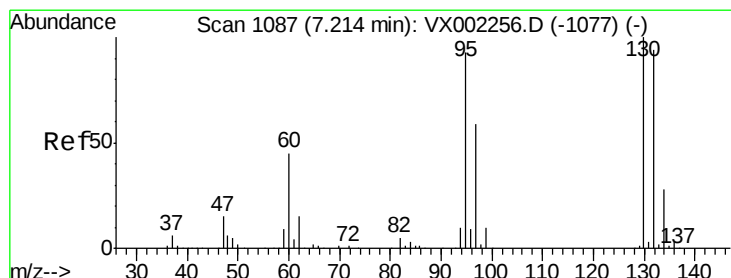
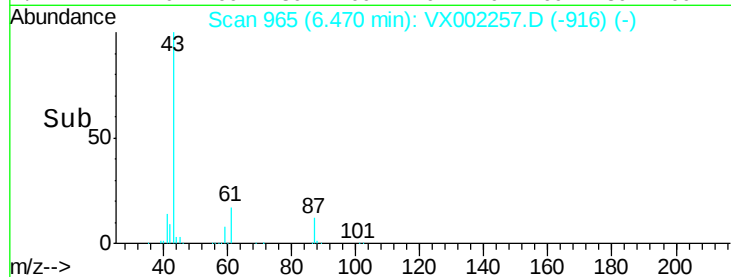
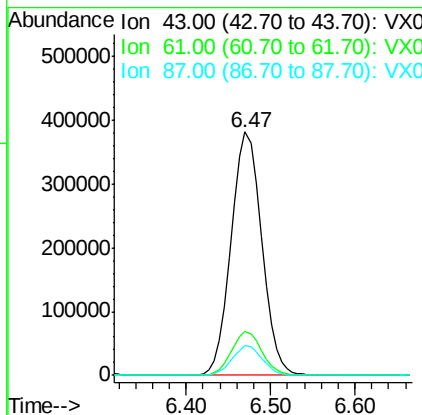
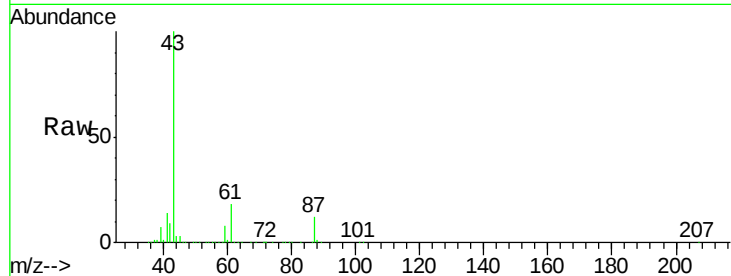
Isopropyl Acetate
 Concen: 96.07 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.4	21.6
87	11.9	9.5	14.3

Manual Integrations
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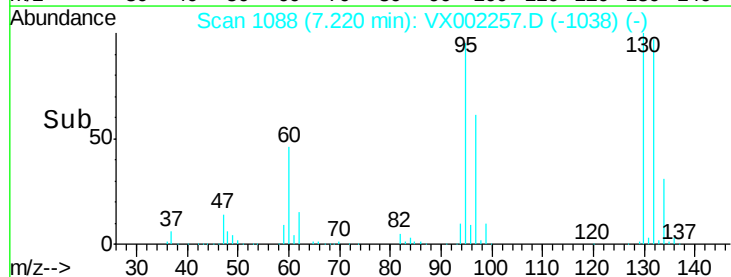
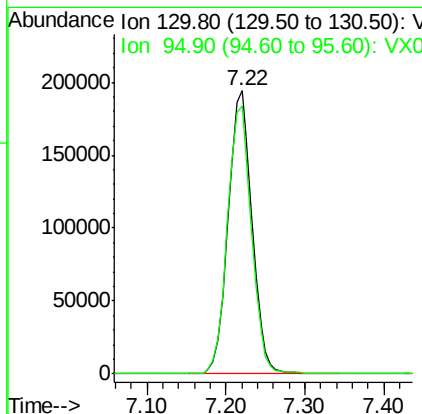
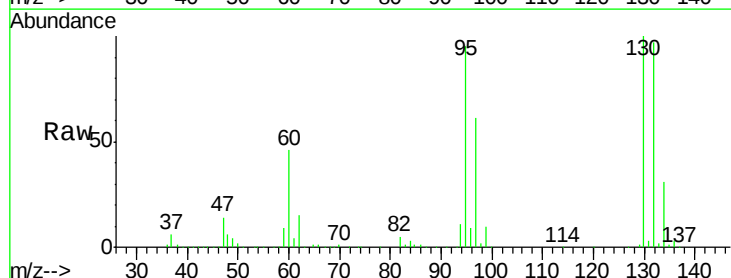
MMDadoda
 6/5/2018 5:56:03 PM

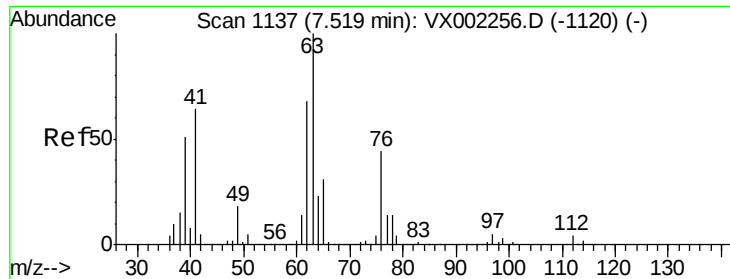


#44

Trichloroethene
 Concen: 100.53 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	185.4





#45

1,2-Dichloropropane

Concen: 95.51 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 377575

Ion Ratio Lower Upper

63 100

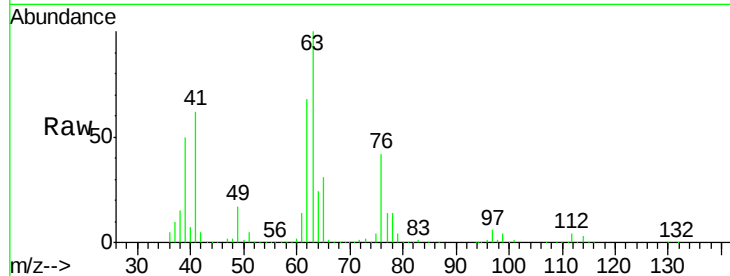
65 30.6 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

6/5/2018 5:56:03 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

200000

150000

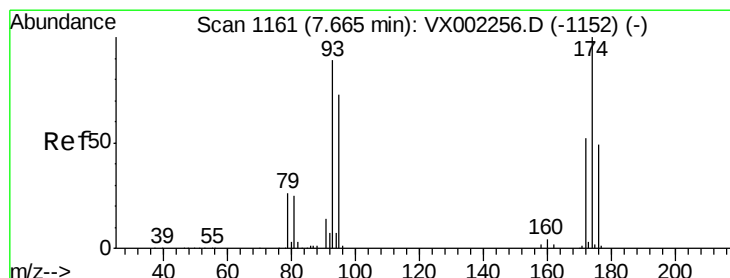
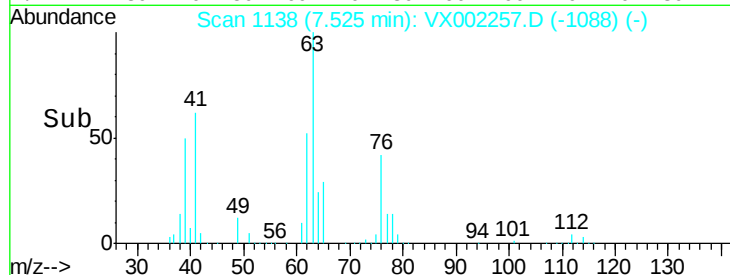
100000

50000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 94.64 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

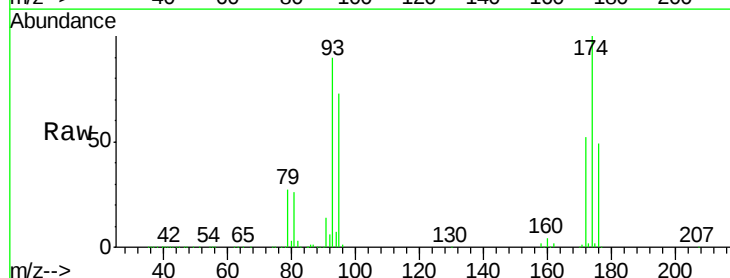
Tgt Ion: 93 Resp: 253651

Ion Ratio Lower Upper

93 100

95 82.3 65.9 98.9

174 116.1 92.4 138.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

200000

150000

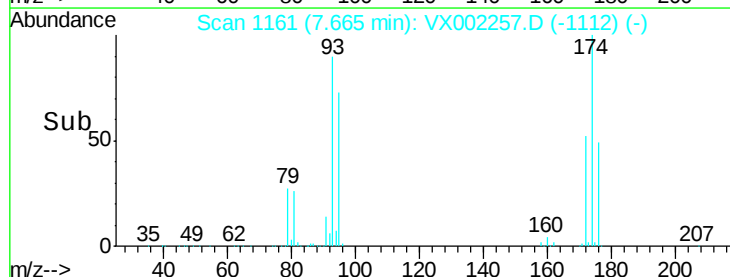
100000

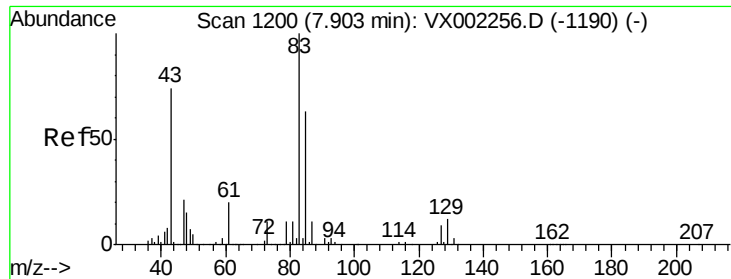
50000

0

7.60 7.70 7.80

Time-->





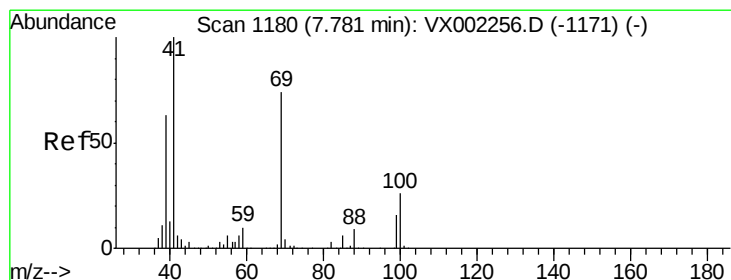
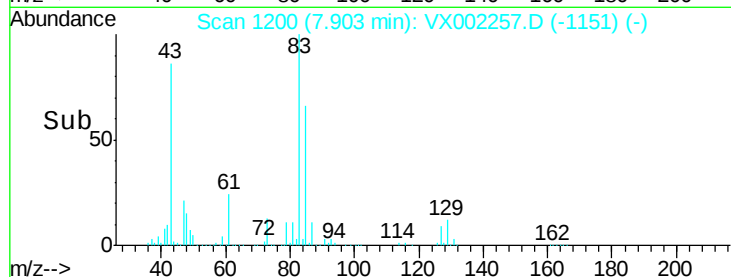
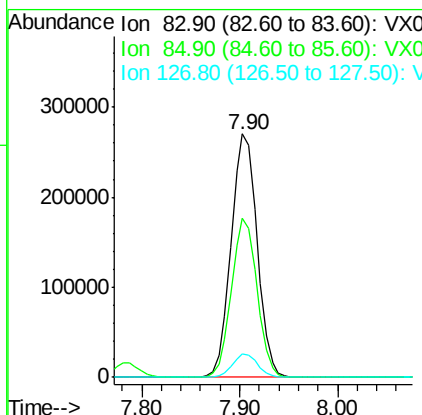
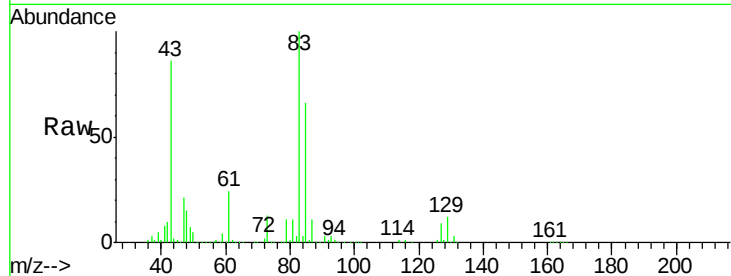
#47
Bromodichloromethane
Concen: 102.96 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	499045		
85	65.5	50.3	75.5	
127	9.4	7.0	10.4	

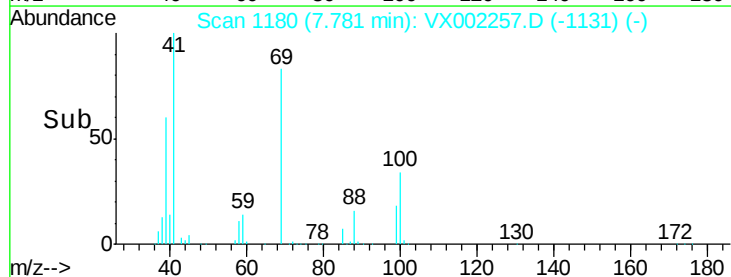
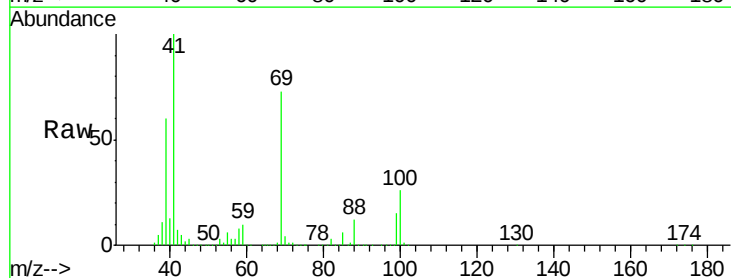
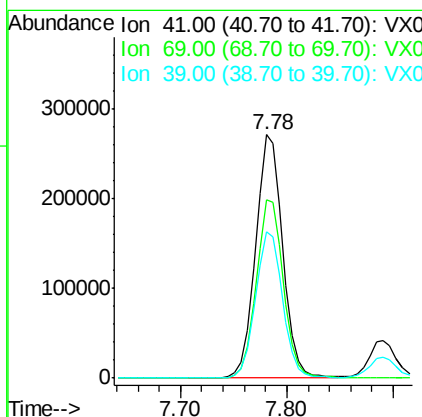
Manual Integrations
APPROVED

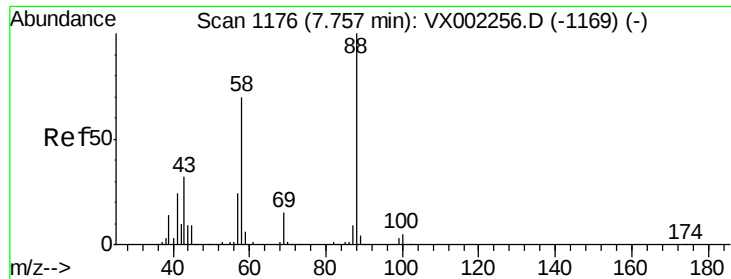
MMDadoda
6/5/2018 5:56:03 PM



#48
Methyl methacrylate
Concen: 98.05 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	480515		
69	73.7	59.1	88.7	
39	60.5	48.9	73.3	





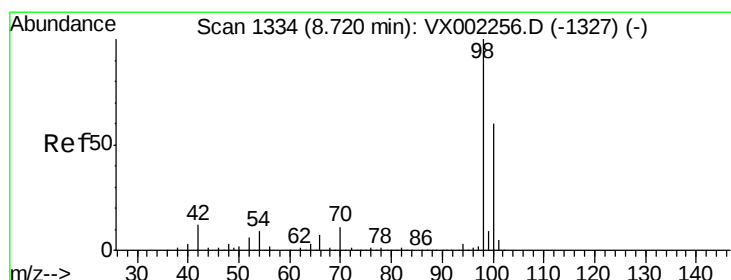
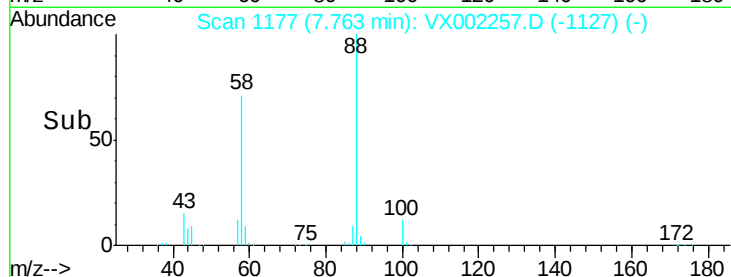
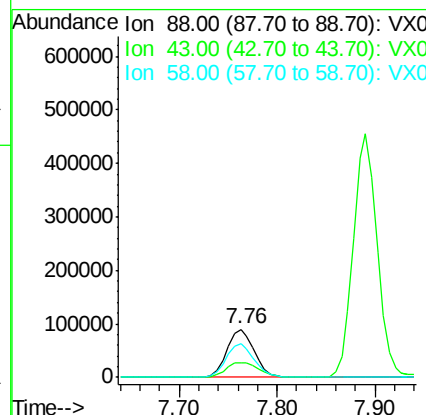
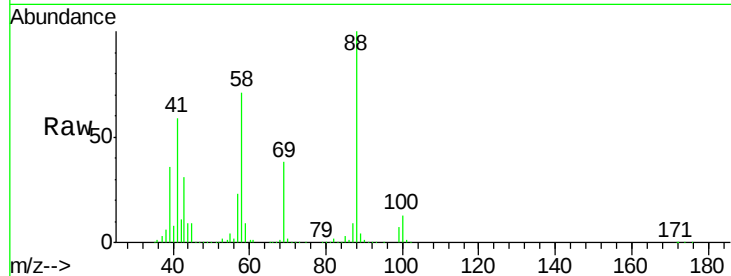
#49
1,4-Dioxane
Concen: 1882.64 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	29.8	44.6
58	72.6	57.1	85.7

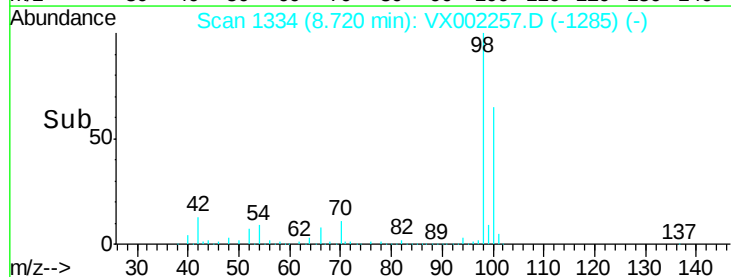
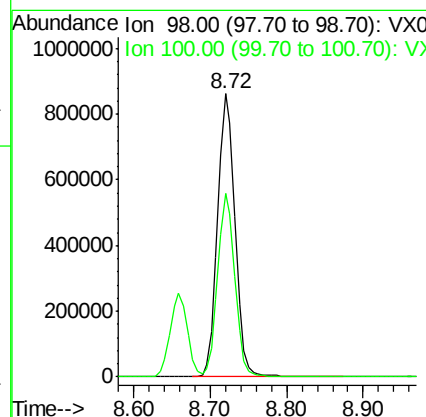
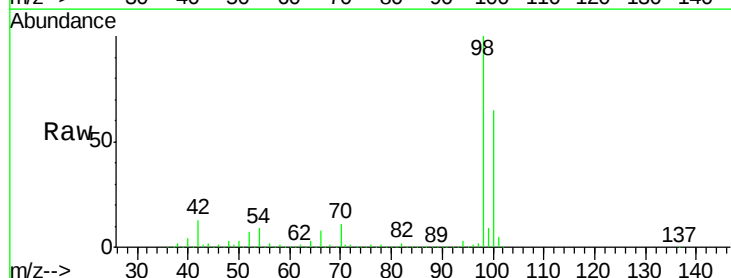
Manual Integrations
APPROVED

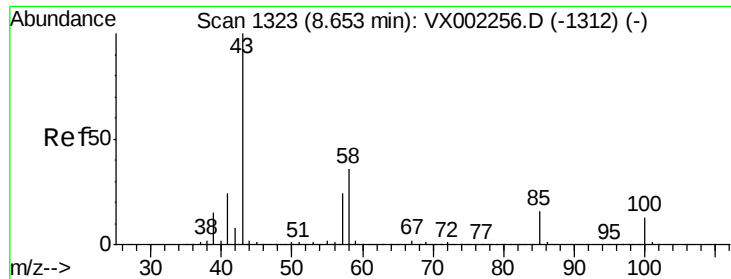
MMDadoda
6/5/2018 5:56:03 PM



#50
Toluene-d8
Concen: 99.58 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 483.99 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2940422

Ion Ratio Lower Upper

43 100

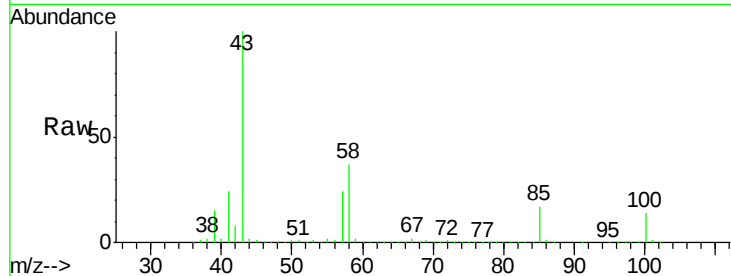
58 35.9 28.6 42.8

Manual Integrations

APPROVED

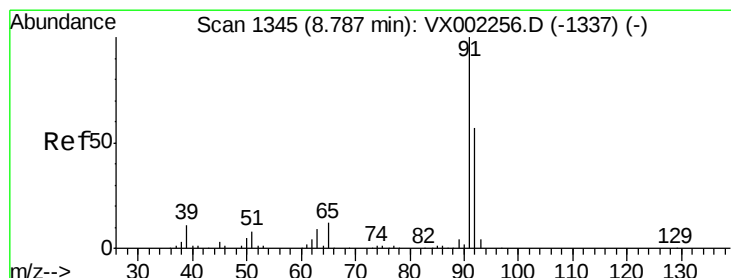
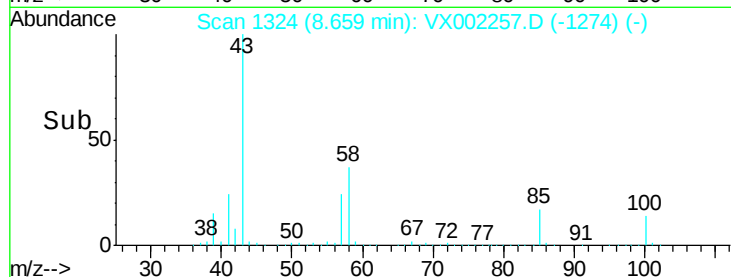
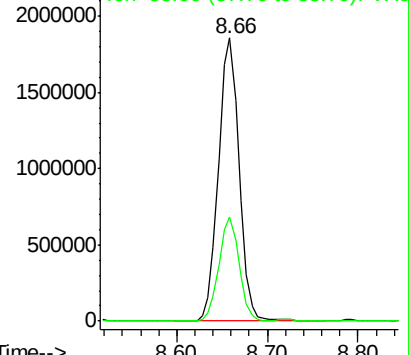
MMDadoda

6/5/2018 5:56:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 100.03 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX002257.D

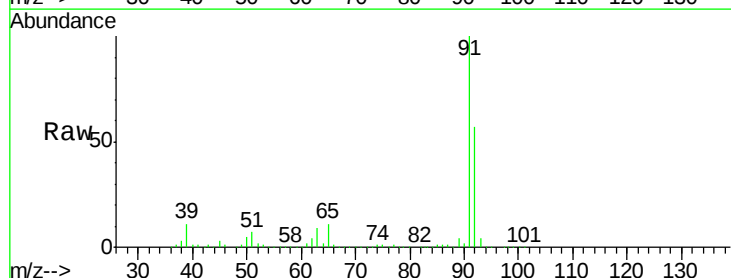
Acq: 04 Jun 2018 11:52

Tgt Ion: 92 Resp: 931667

Ion Ratio Lower Upper

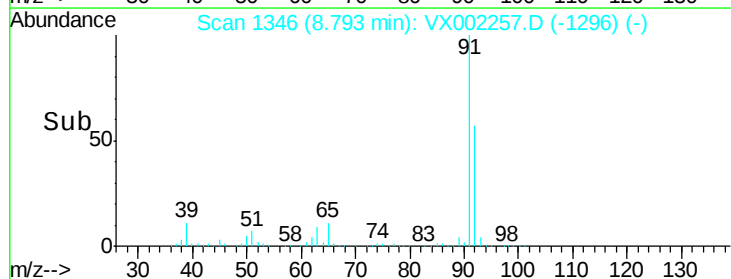
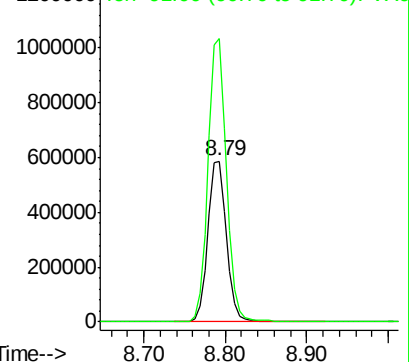
92 100

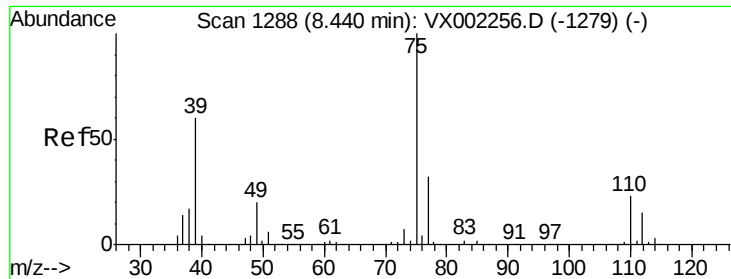
91 174.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





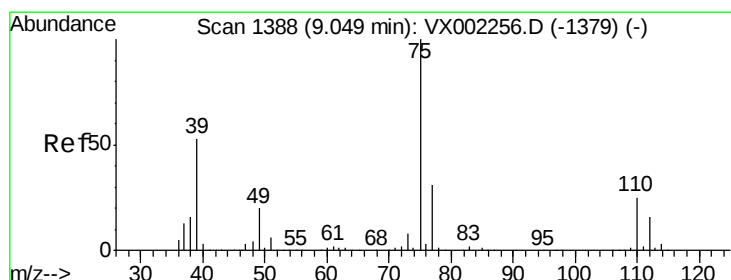
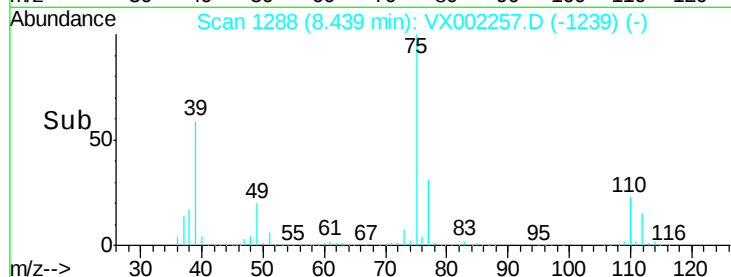
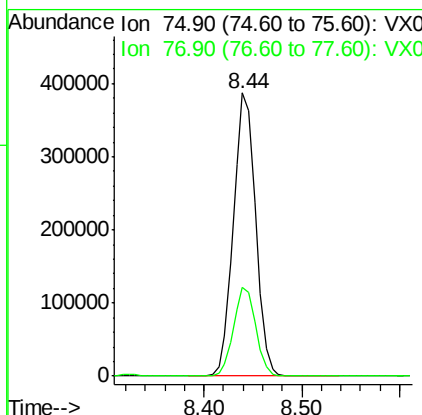
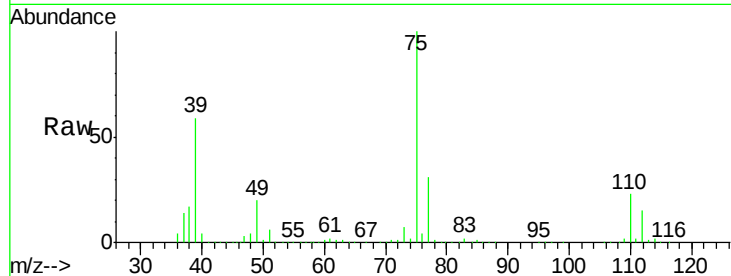
#53
t-1,3-Dichloropropene
Concen: 105.05 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2

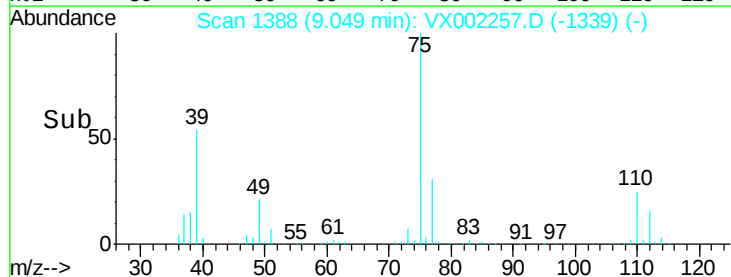
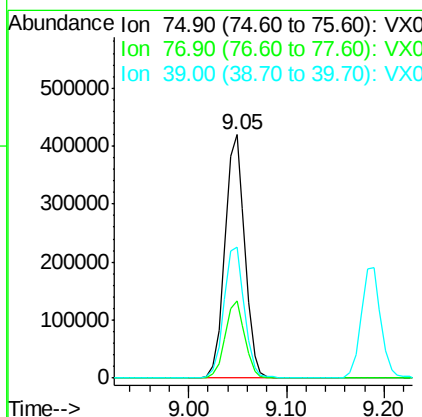
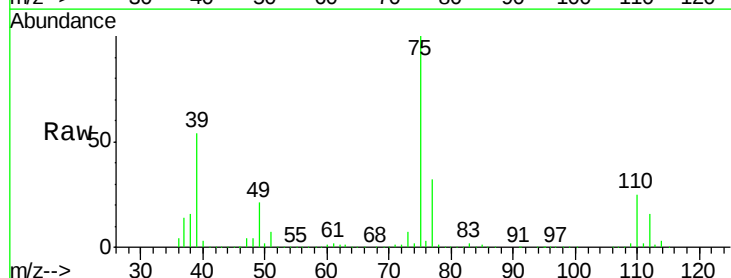
Manual Integrations
APPROVED

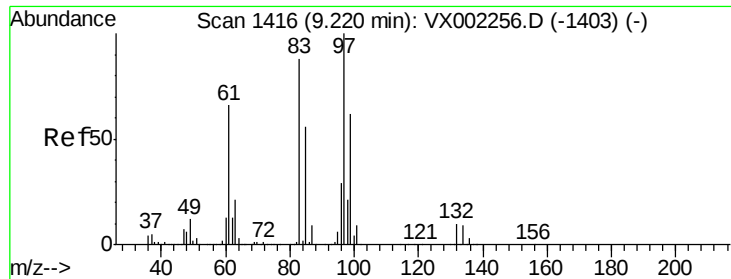
MMDadoda
6/5/2018 5:56:03 PM



#54
cis-1,3-Dichloropropene
Concen: 107.27 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2
39	53.8	42.4	63.6





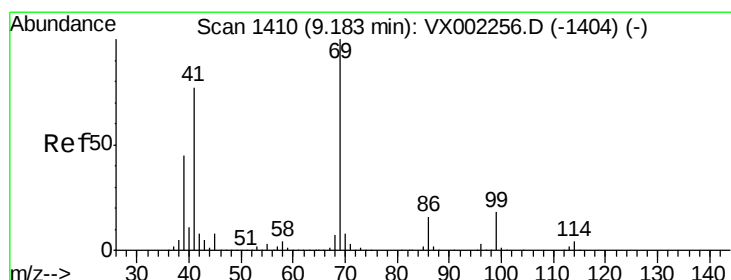
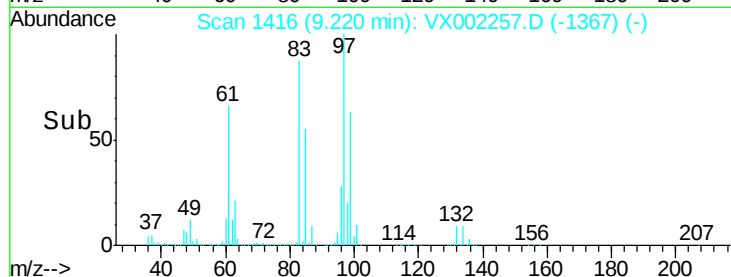
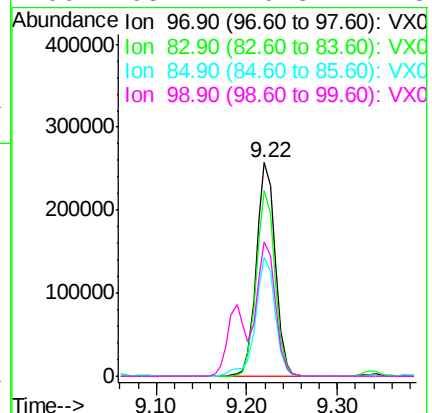
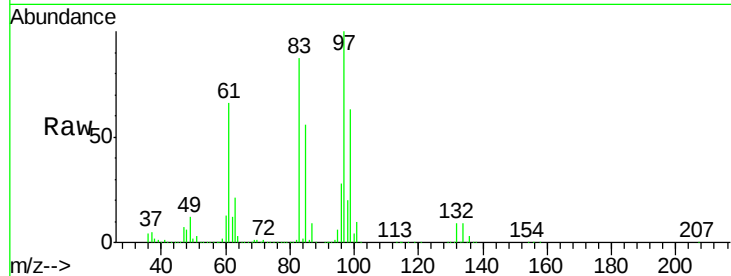
#55
 1,1,2-Trichloroethane
 Concen: 97.05 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	371792
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.2	105.2
85	55.5	44.9	67.3
99	63.2	49.8	74.8

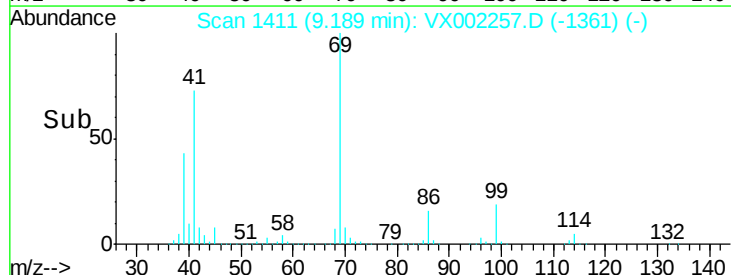
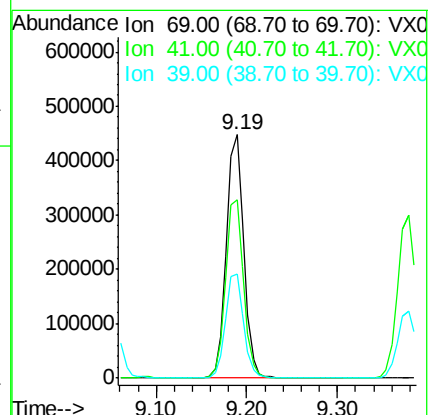
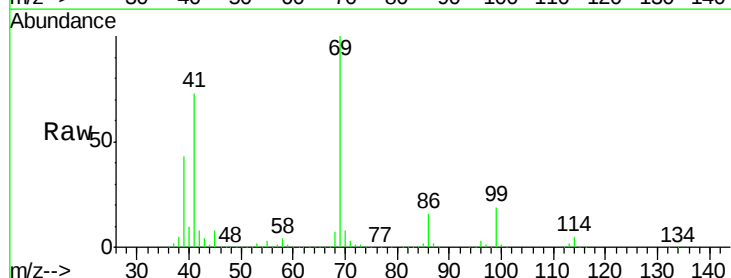
Manual Integrations
 APPROVED

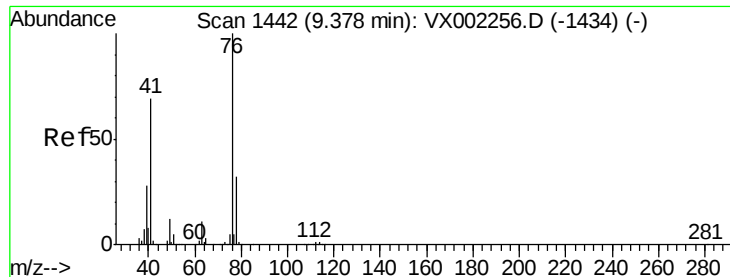
MMDadoda
 6/5/2018 5:56:03 PM



#56
 Ethyl methacrylate
 Concen: 98.37 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Tgt Ion:	69	Resp:	601643
Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.3	90.5
39	44.2	35.8	53.8





#57

1,3-Dichloropropane

Concen: 95.45 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 76 Resp: 613447

Ion Ratio Lower Upper

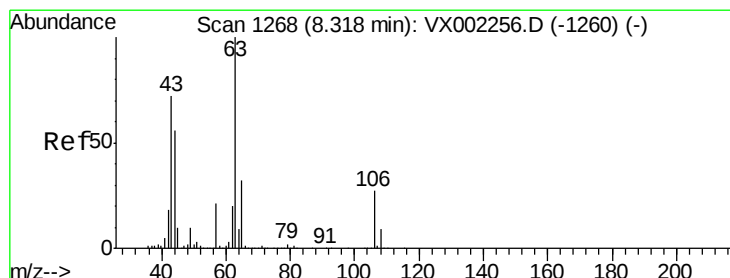
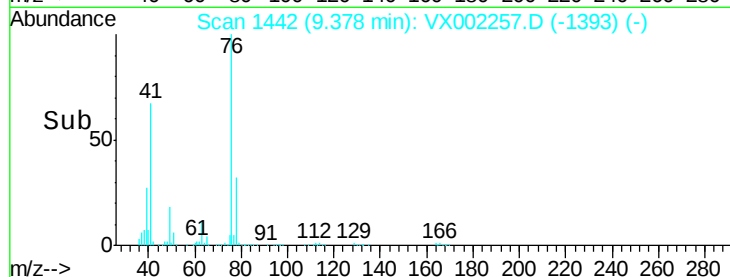
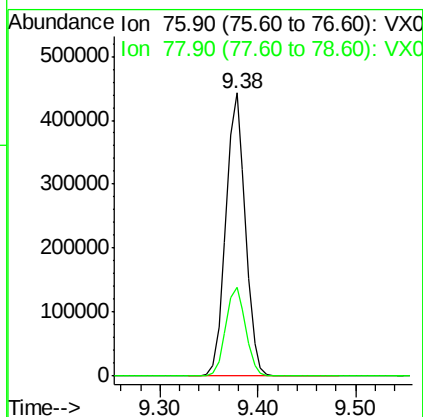
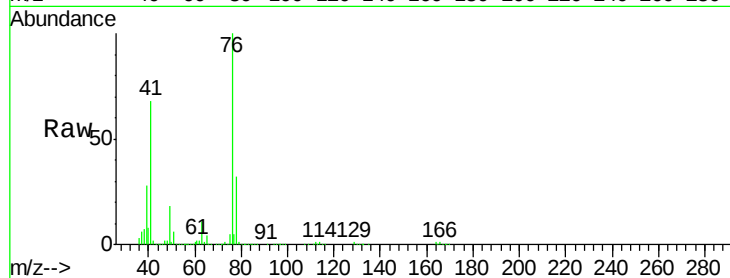
76 100

78 32.2 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

6/5/2018 5:56:03 PM



#58

2-Chloroethyl Vinyl ether

Concen: 494.85 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VX002257.D

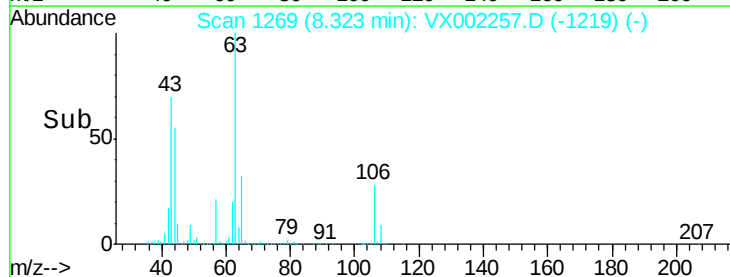
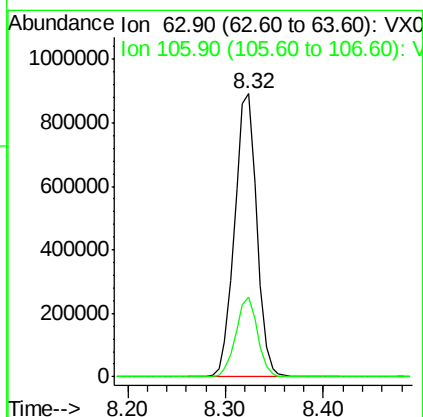
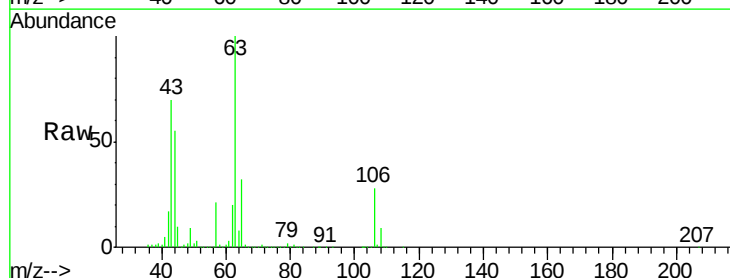
Acq: 04 Jun 2018 11:52

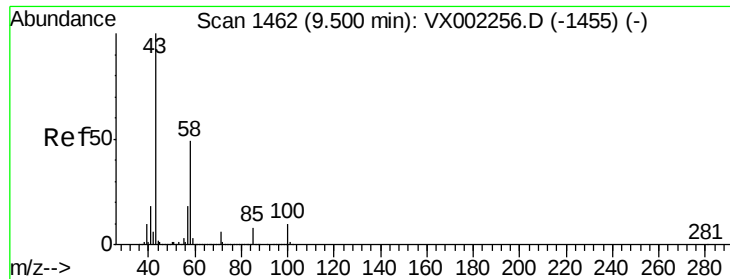
Tgt Ion: 63 Resp: 1400764

Ion Ratio Lower Upper

63 100

106 27.8 21.8 32.8





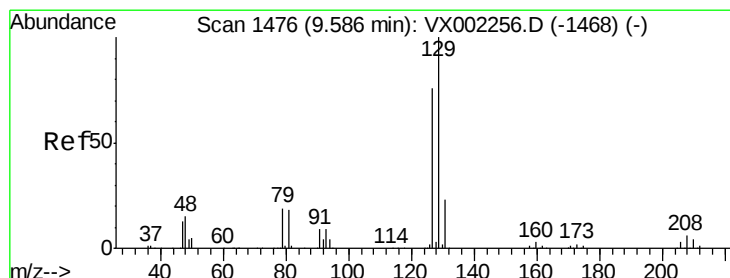
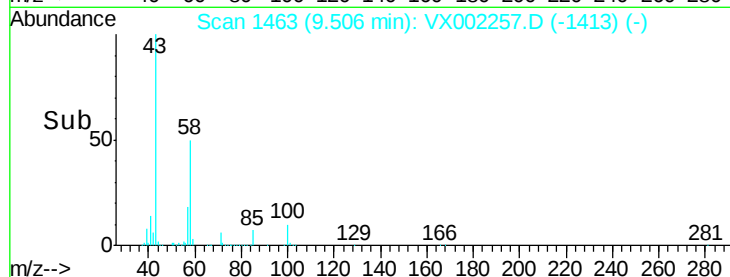
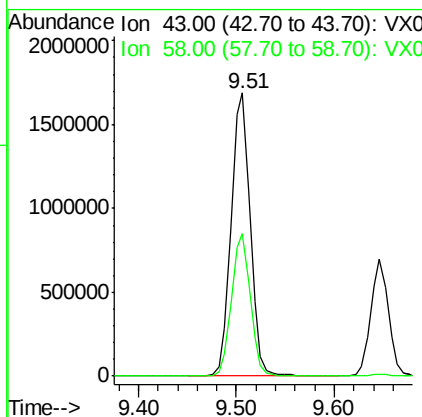
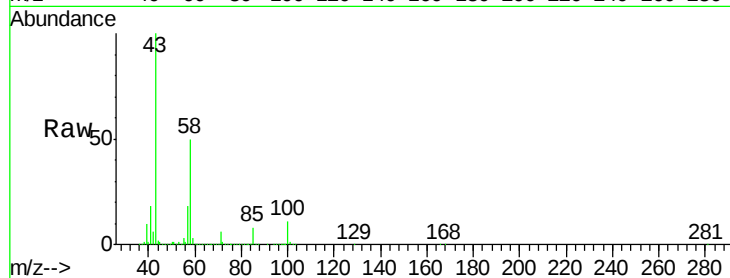
#59
2-Hexanone
Concen: 486.14 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2281299
Ion Ratio Lower Upper
43 100
58 49.8 24.6 73.6

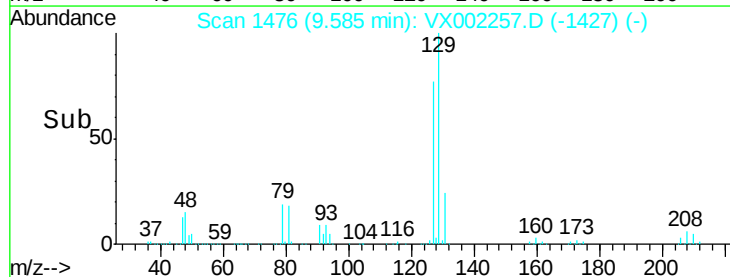
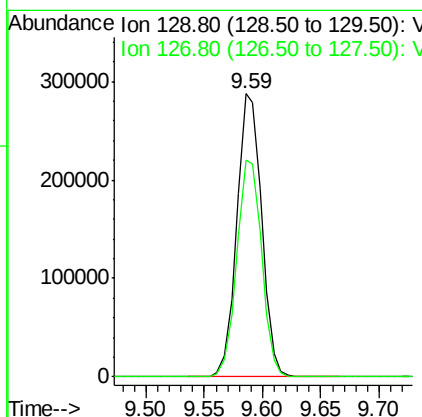
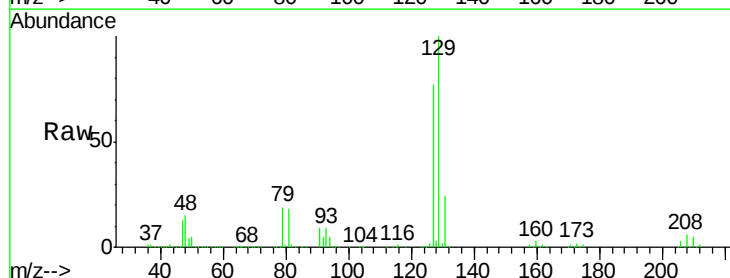
Manual Integrations
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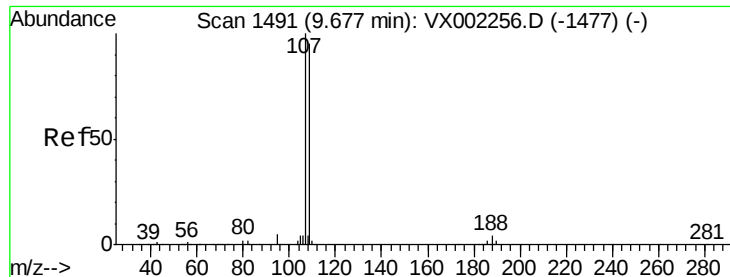
MMDadoda
6/5/2018 5:56:03 PM



#60
Dibromochloromethane
Concen: 110.90 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion: 129 Resp: 427321
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 99.13 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 395967

Ion Ratio Lower Upper

107 100

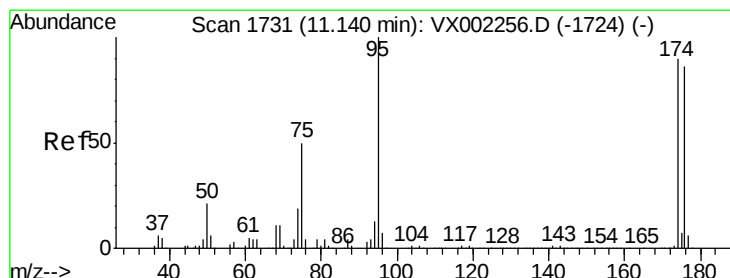
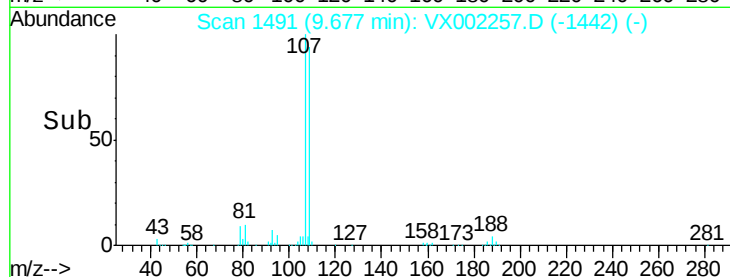
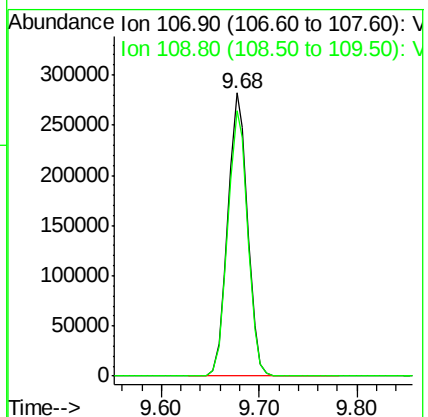
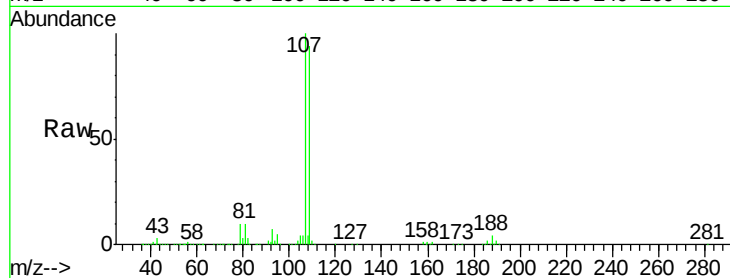
109 94.7 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 103.14 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

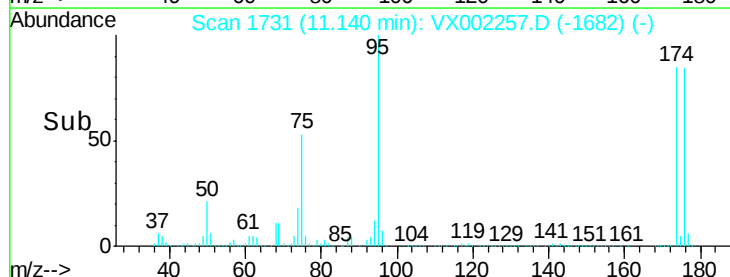
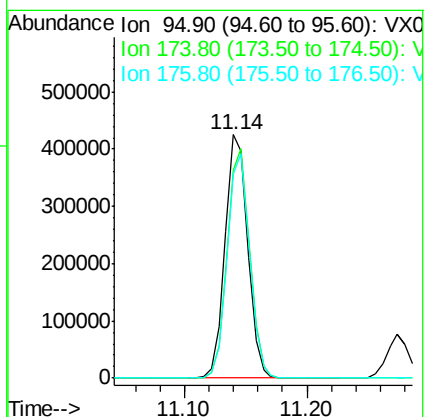
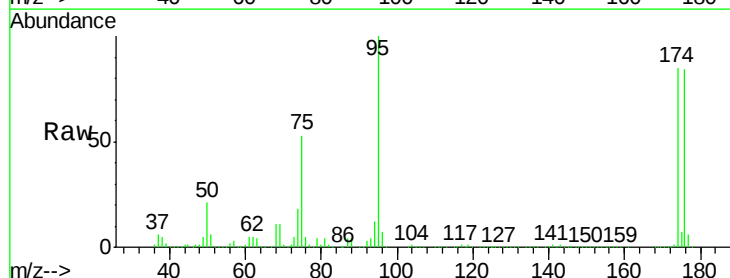
Tgt Ion: 95 Resp: 544668

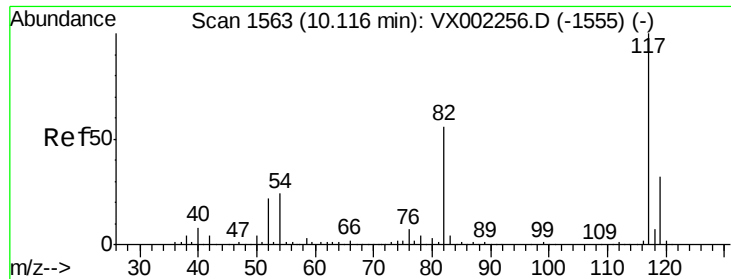
Ion Ratio Lower Upper

95 100

174 93.0 0.0 187.4

176 90.7 0.0 181.0





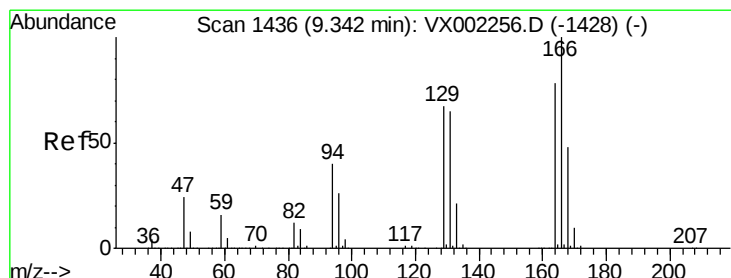
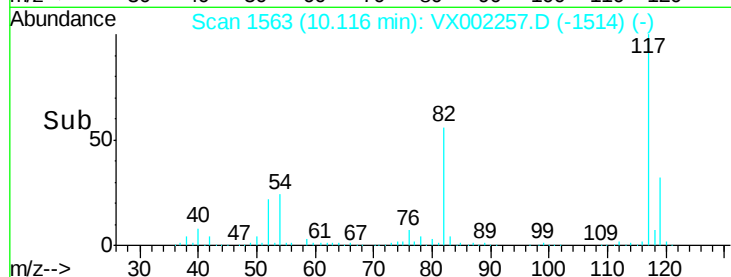
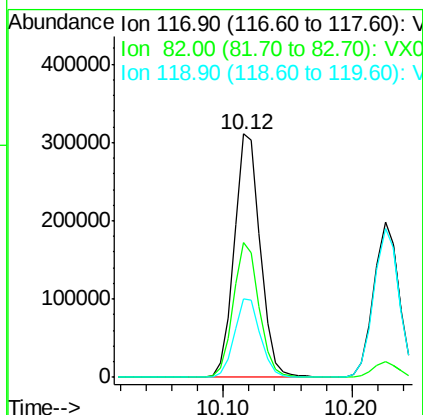
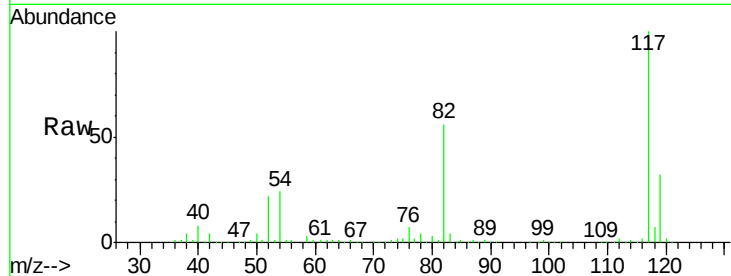
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.0	67.4
119	32.0	25.8	38.6

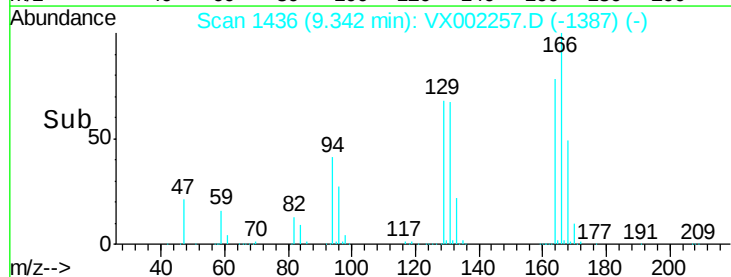
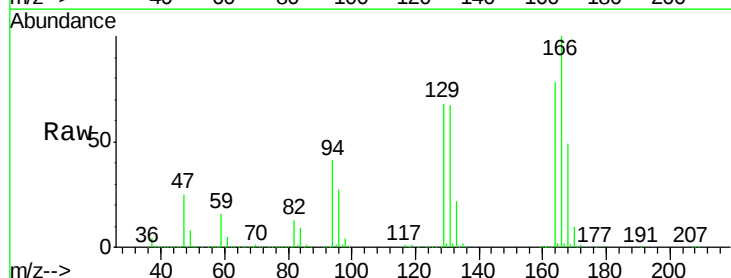
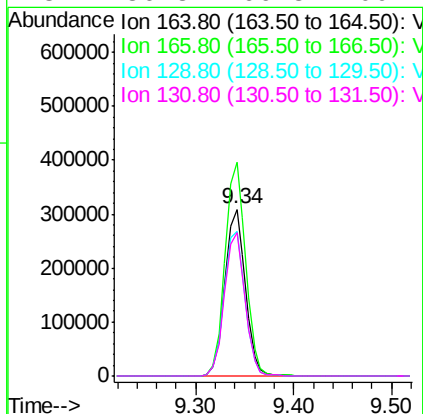
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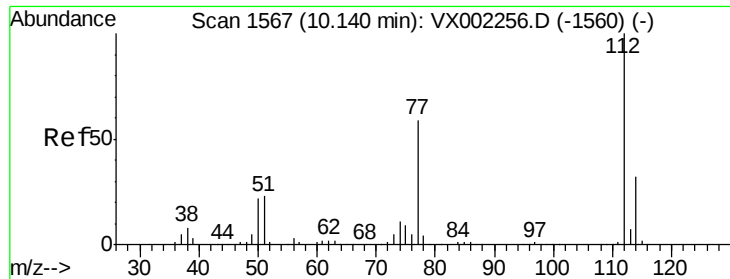
MMDadoda
6/5/2018 5:56:03 PM



#64
Tetrachloroethene
Concen: 99.68 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.9	154.3
129	86.6	68.6	102.8
131	86.3	66.8	100.2





#65

Chlorobenzene

Concen: 97.39 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:112 Resp: 1061515

Ion Ratio Lower Upper

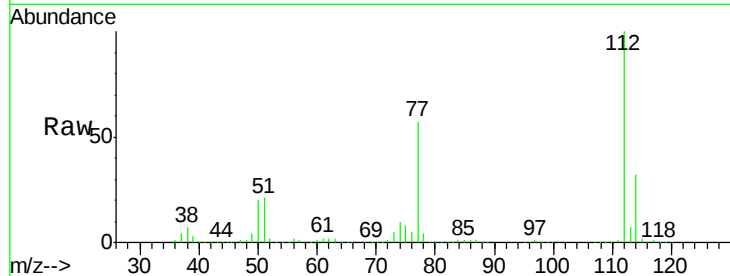
112 100

114 32.2 25.3 37.9

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

800000

600000

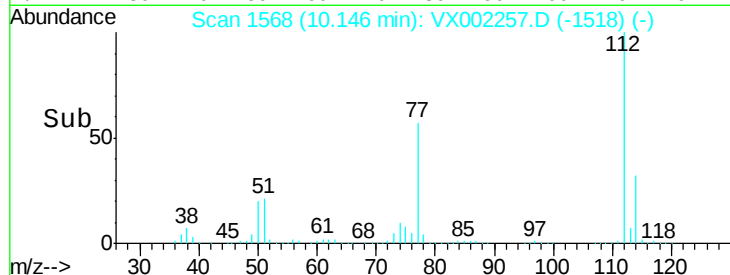
400000

200000

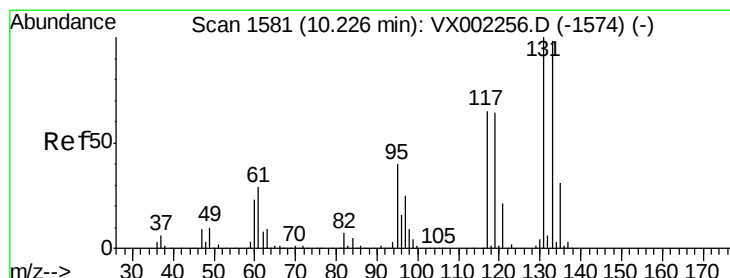
0

10.15

10.10 10.15 10.20 10.30



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 102.24 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

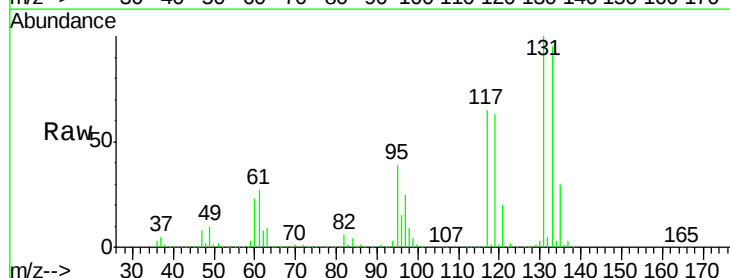
Tgt Ion:131 Resp: 403486

Ion Ratio Lower Upper

131 100

133 95.9 47.9 143.6

119 63.1 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

400000

300000

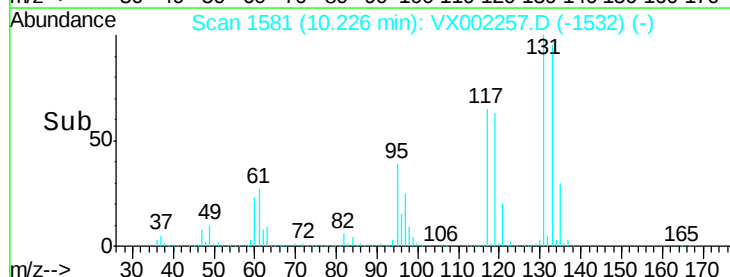
200000

100000

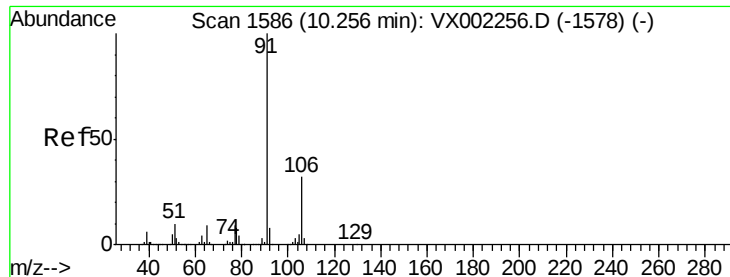
0

10.23

10.20 10.25 10.30



Time-->



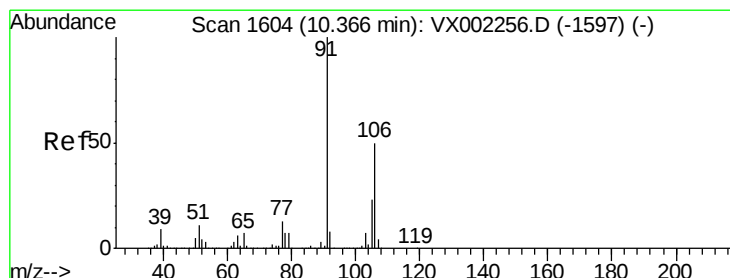
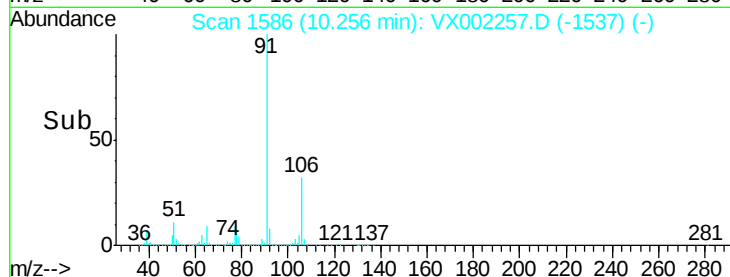
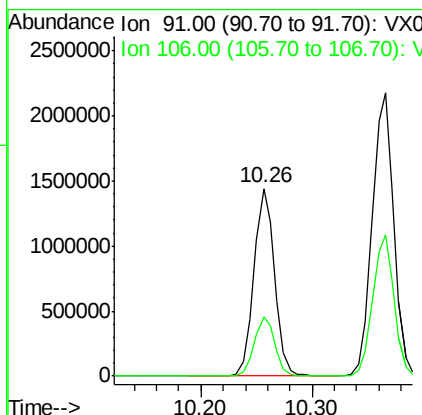
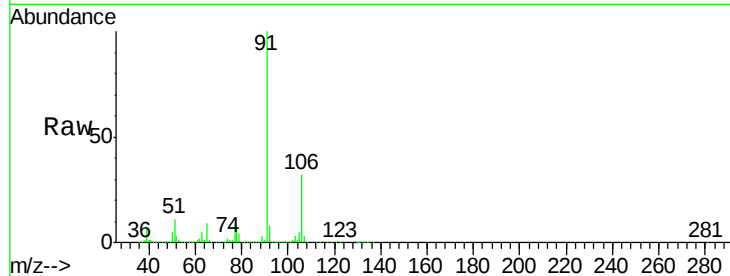
#67
Ethyl Benzene
Concen: 101.94 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1859301
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

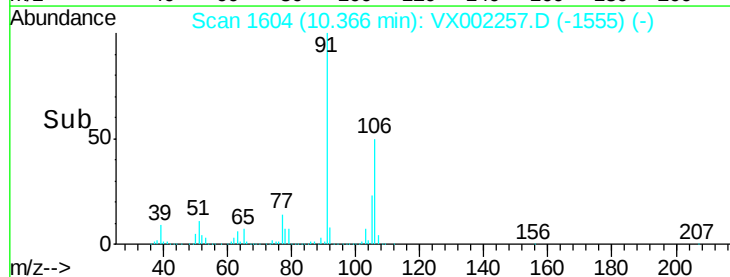
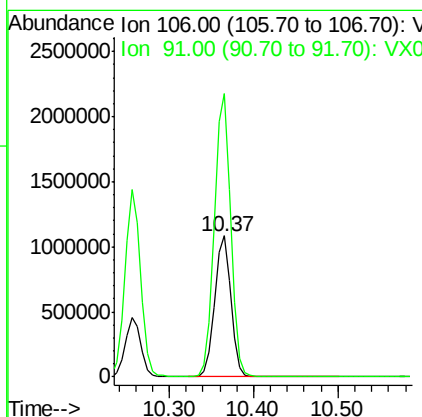
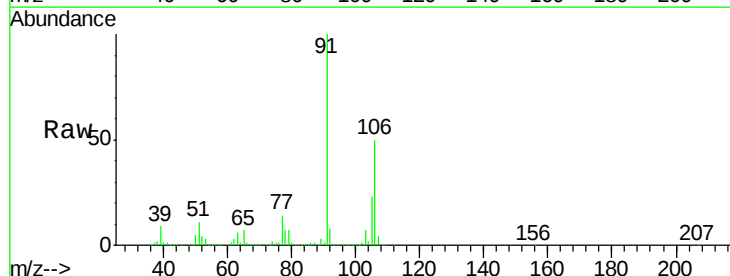
Manual Integrations
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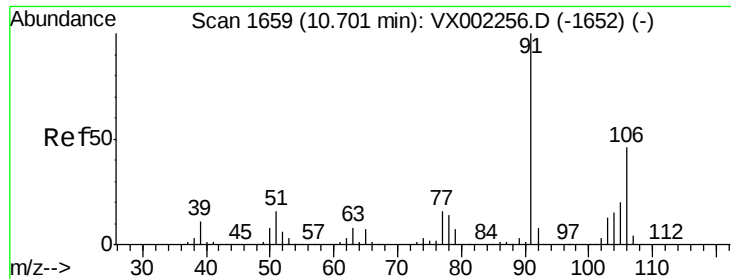
MMDadoda
6/5/2018 5:56:03 PM



#68
m/p-Xylenes
Concen: 204.70 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion: 106 Resp: 1451404
Ion Ratio Lower Upper
106 100
91 203.0 163.4 245.2





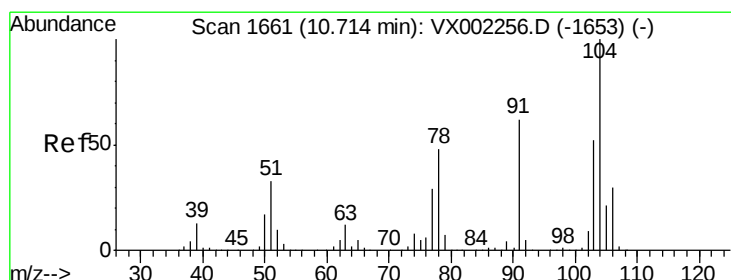
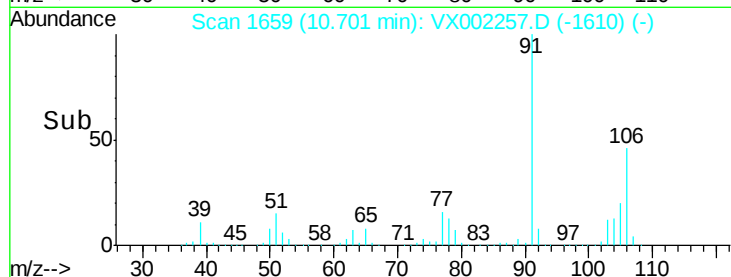
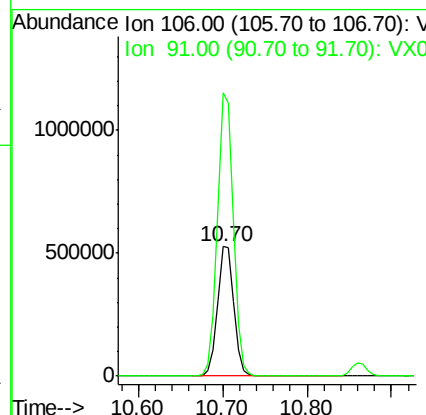
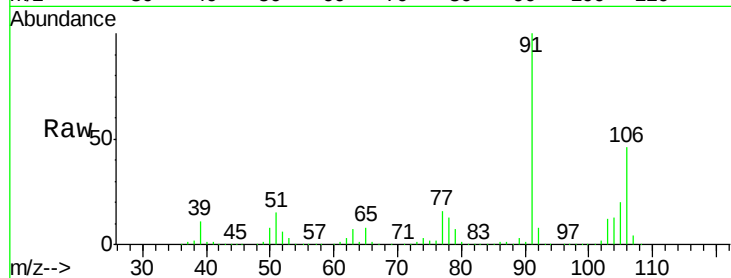
#69
o-Xylene
Concen: 100.38 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.6	108.2	324.6

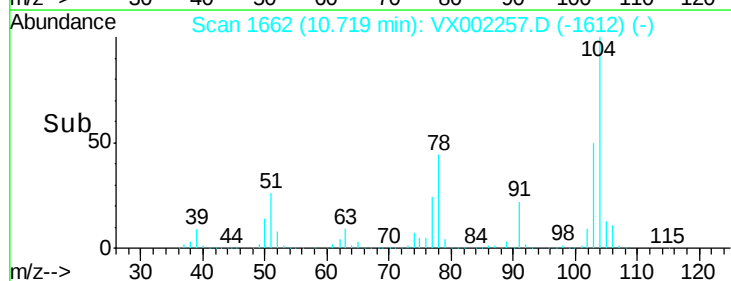
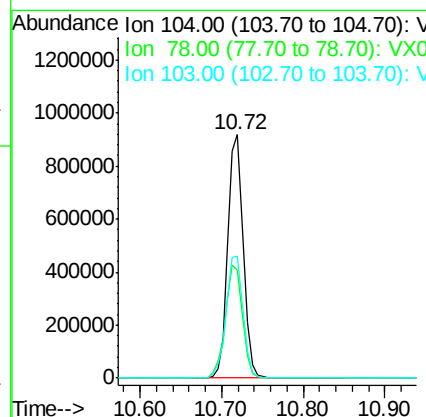
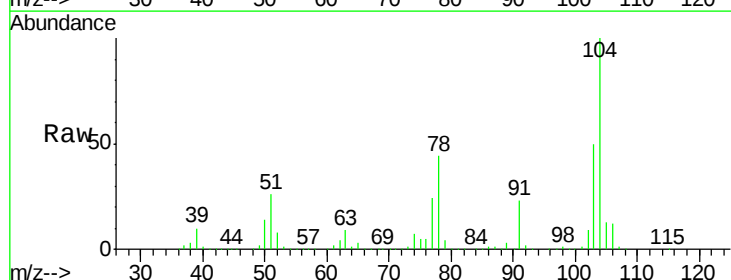
Manual Integrations
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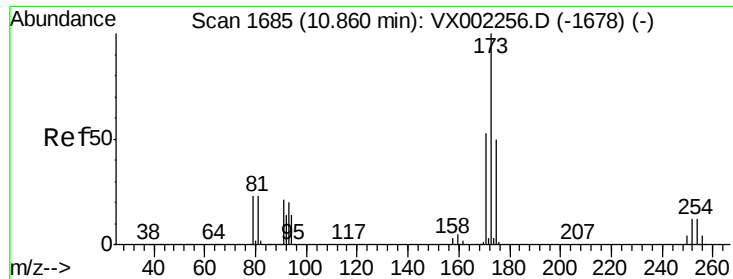
MMDadoda
6/5/2018 5:56:03 PM



#70
Styrene
Concen: 104.45 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.0	61.6
103	55.5	44.2	66.4





#71

Bromoform

Concen: 113.70 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 355728

Ion Ratio Lower Upper

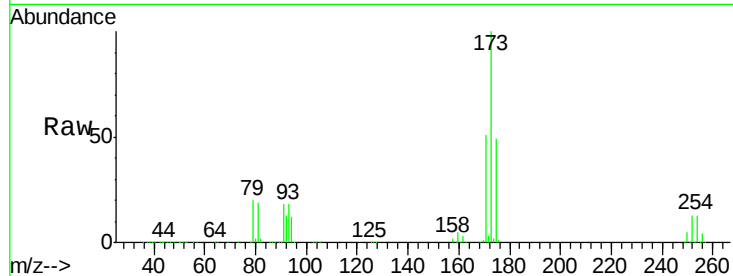
173 100

175 49.1 24.7 74.1

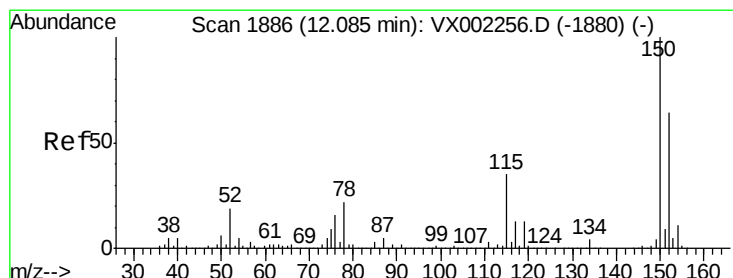
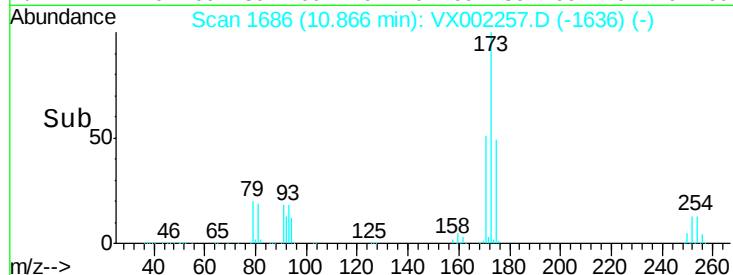
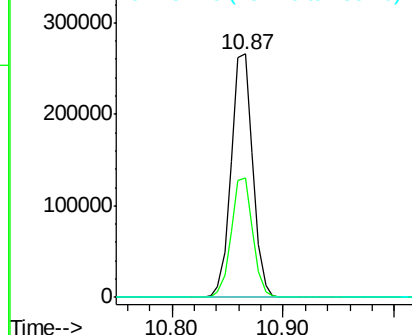
254 0.2 0.2 0.2

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

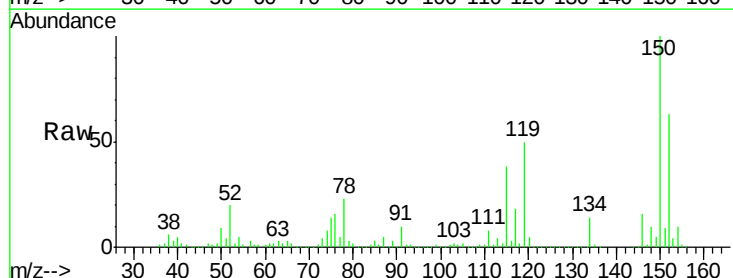
Tgt Ion:152 Resp: 285680

Ion Ratio Lower Upper

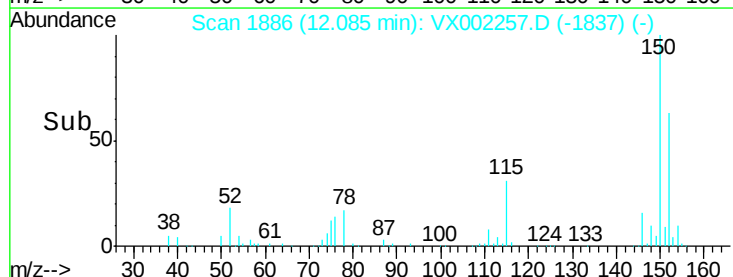
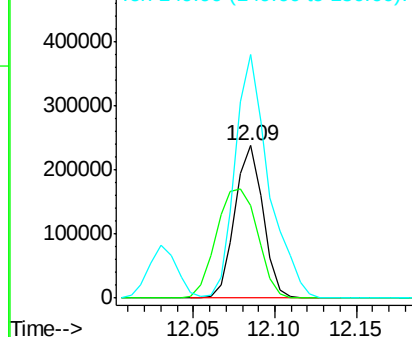
152 100

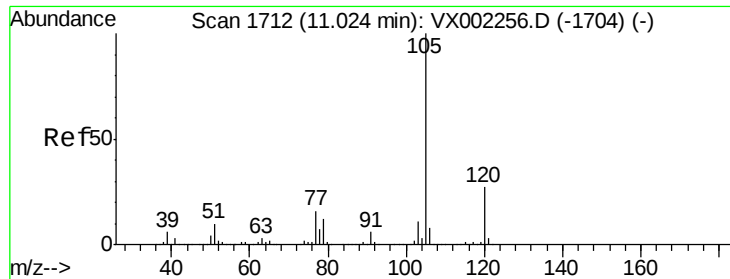
115 105.7 40.1 120.2

150 191.3 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 97.15 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1930630

Ion Ratio Lower Upper

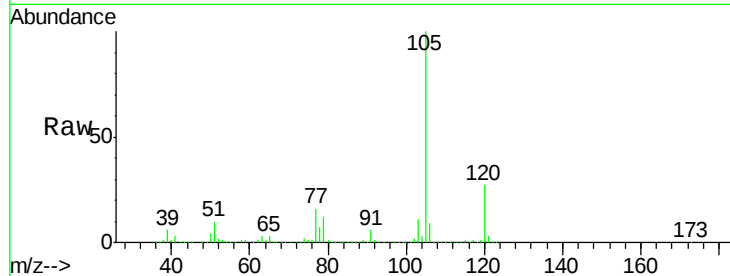
105 100

120 26.9 13.5 40.4

Manual Integrations
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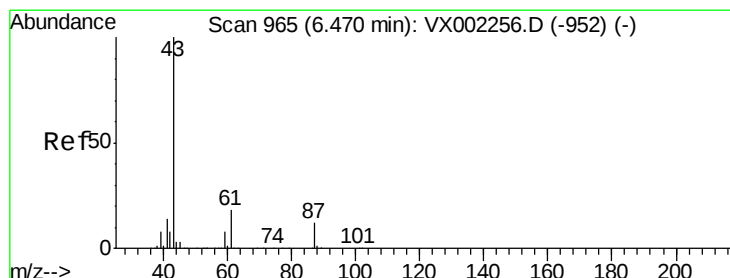
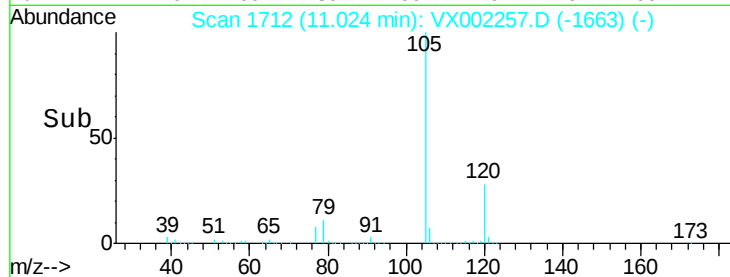
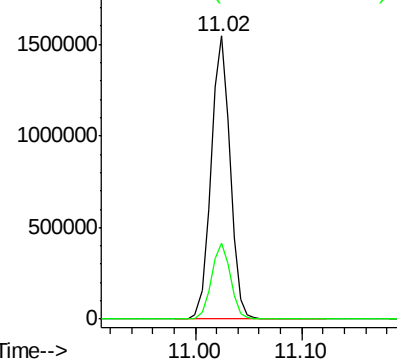
MMDadoda

6/5/2018 5:56:03 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 87.53 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Tgt Ion: 43 Resp: 937271

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0#

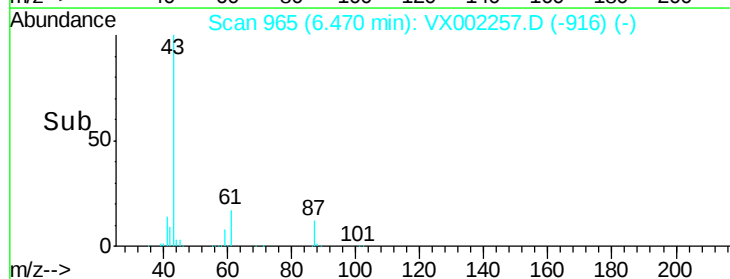
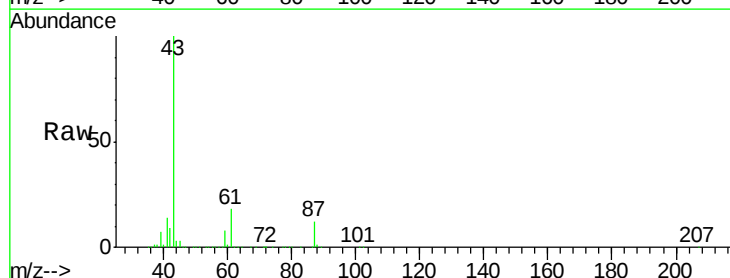
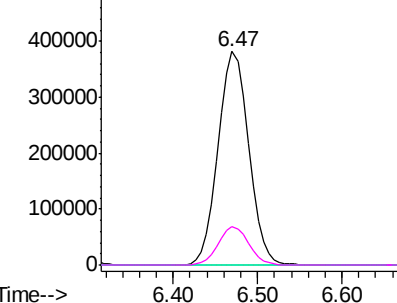
61 17.9 14.4 21.6

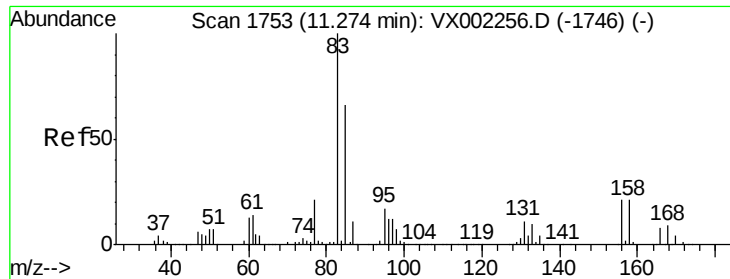
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 89.26 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

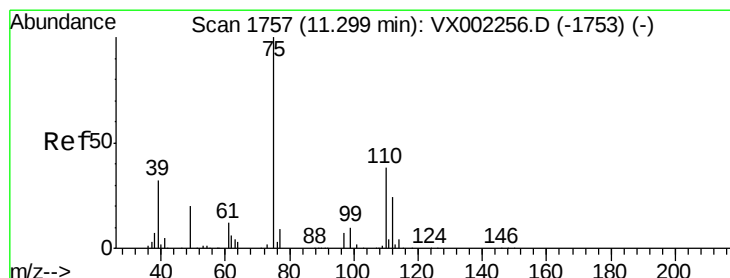
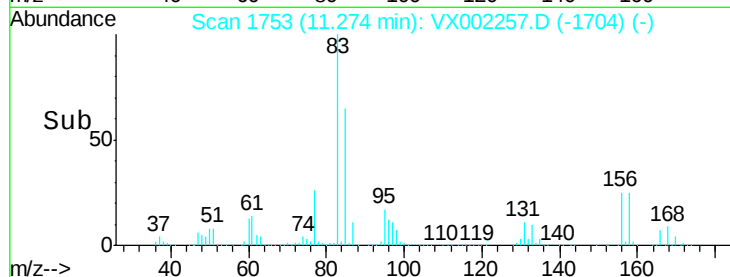
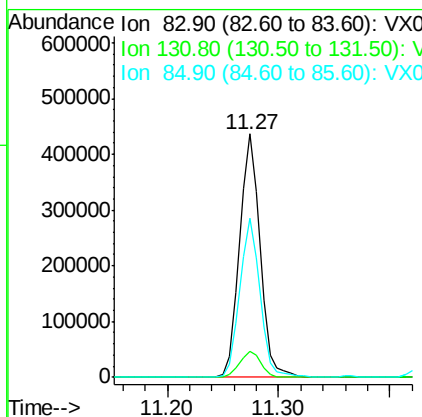
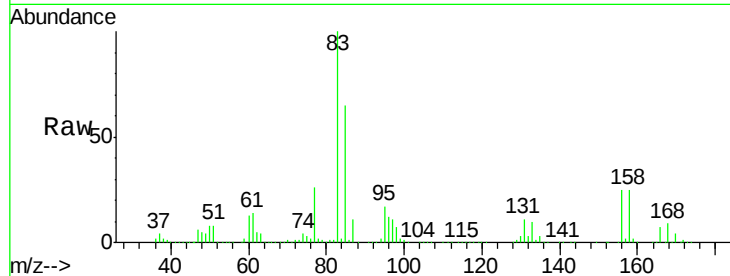
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	557925
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	64.8	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 98.99 ug/l m

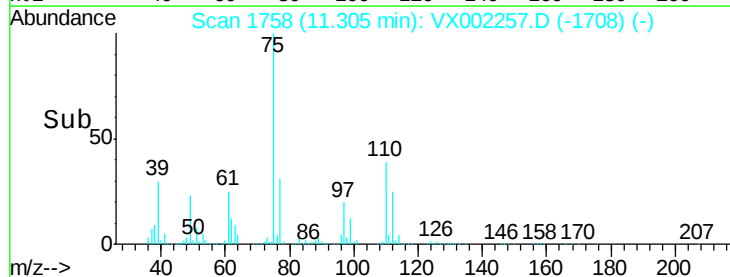
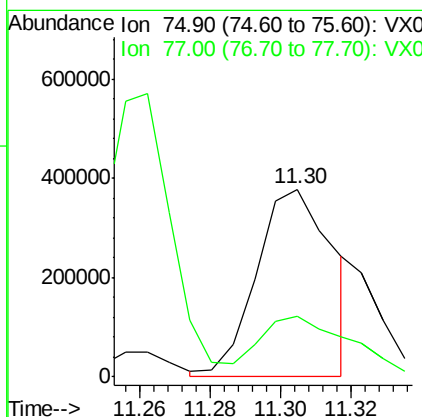
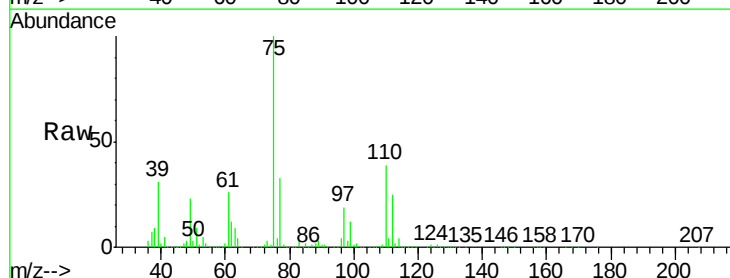
RT: 11.30 min Scan# 1758

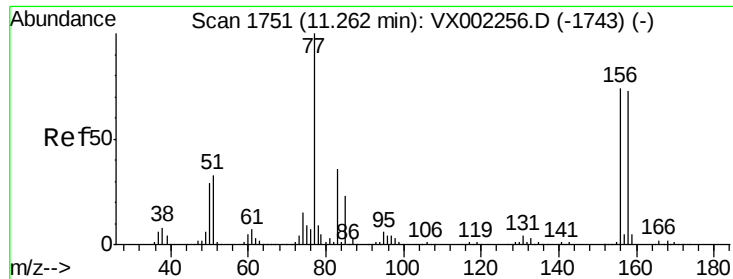
Delta R.T. 0.01 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Tgt Ion:	75	Resp:	567274
Ion Ratio	Lower	Upper	
75	100		
77	38.4	22.8	68.3





#77

Bromobenzene

Concen: 94.35 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

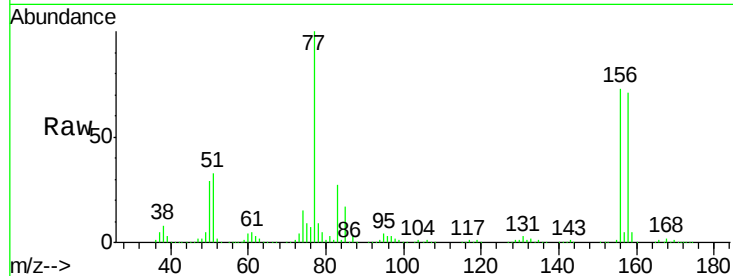
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		526399		
77	143.9	71.4	214.2		
158	97.1	48.9	146.6		

Manual Integrations
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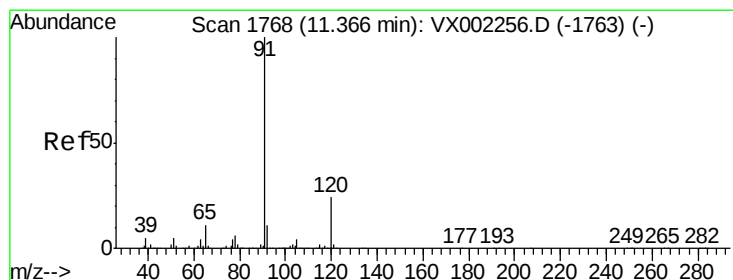
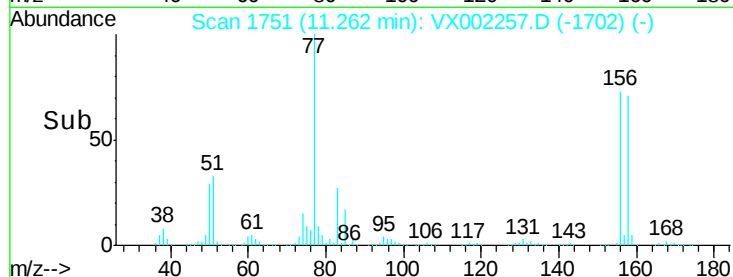
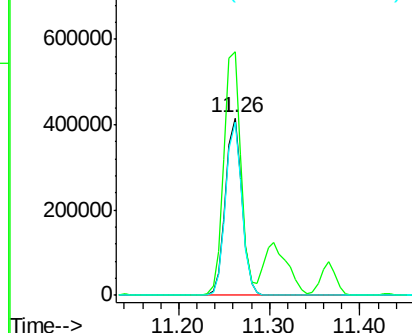
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 100.70 ug/l

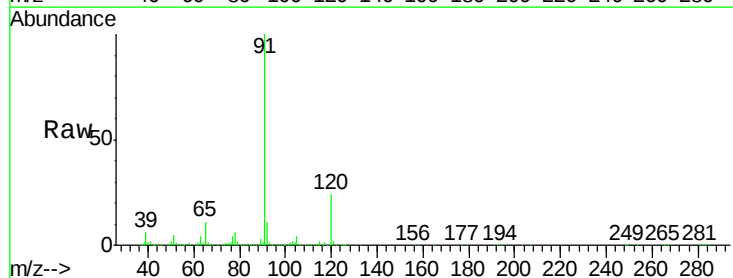
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002257.D

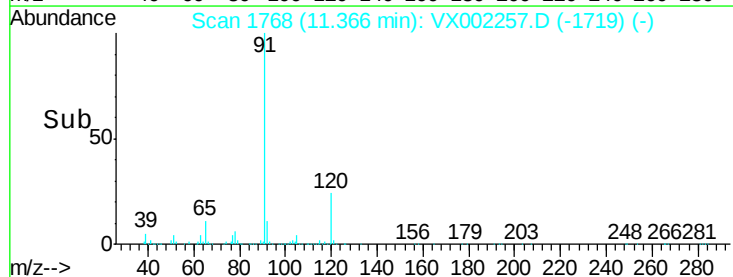
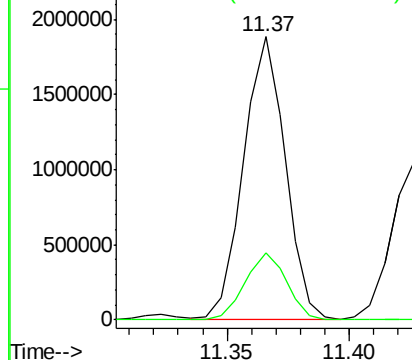
Acq: 04 Jun 2018 11:52

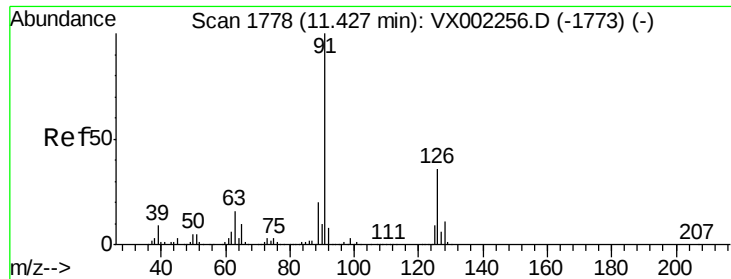
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2224316		
120	23.9	11.8	35.4		



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 93.69 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1306805

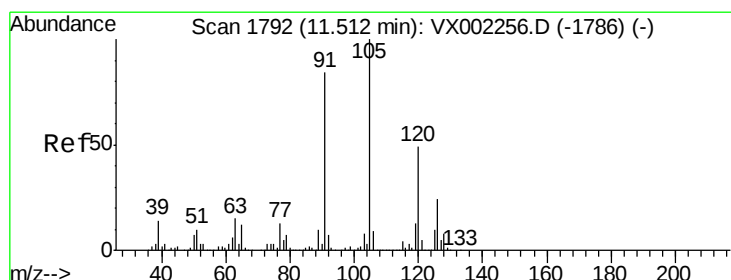
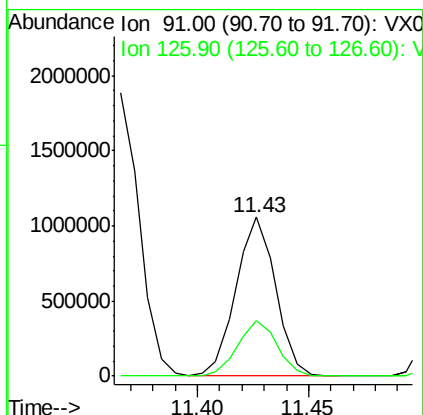
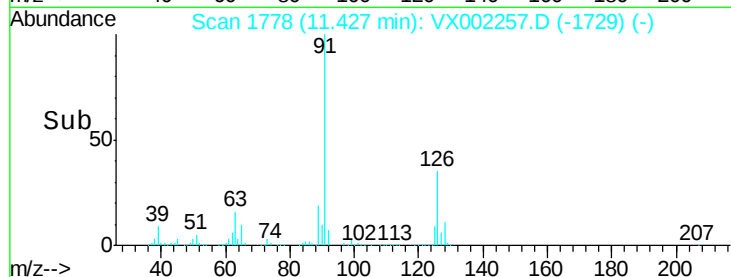
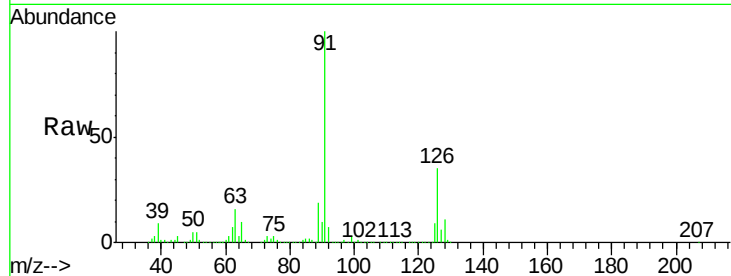
Ion Ratio Lower Upper

91 100

126 35.3 17.7 53.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 97.49 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002257.D

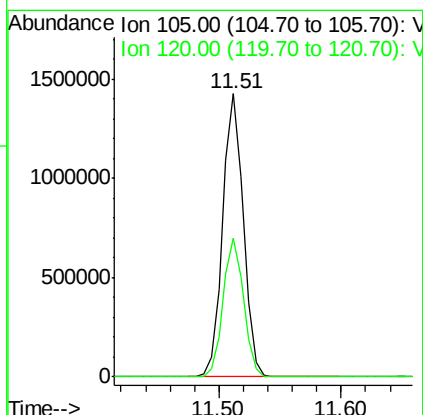
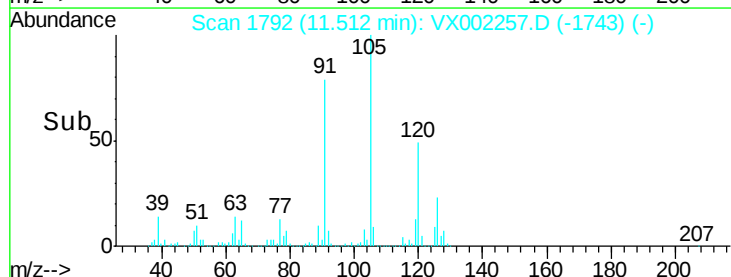
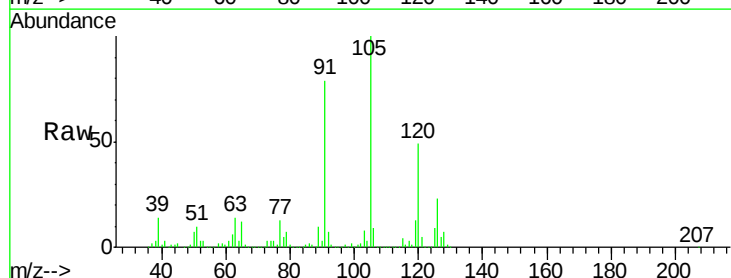
Acq: 04 Jun 2018 11:52

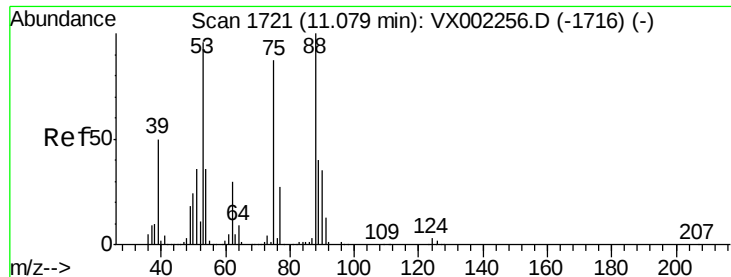
Tgt Ion: 105 Resp: 1661700

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 105.81 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

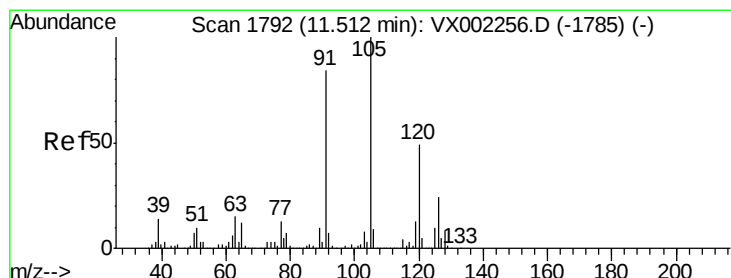
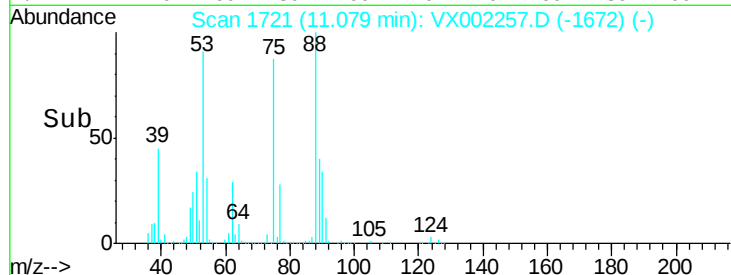
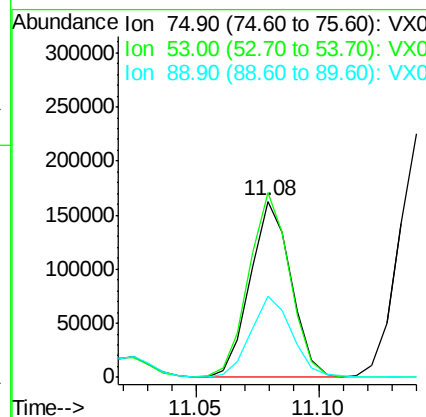
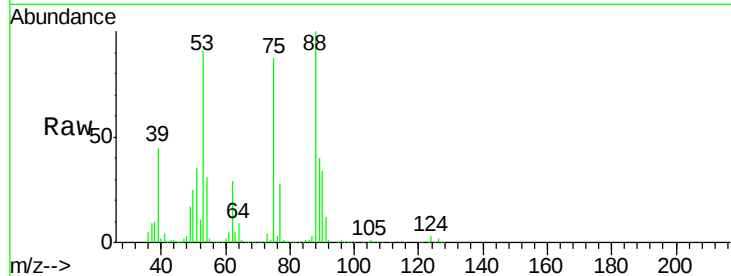
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	189221
Ion Ratio	Lower	Upper	
75	100		
53	105.3	86.8	130.2
89	47.4	38.2	57.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 97.14 ug/l

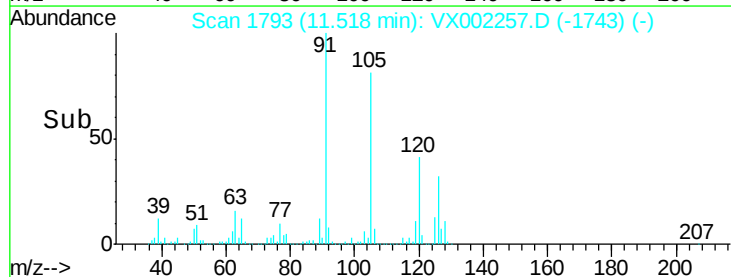
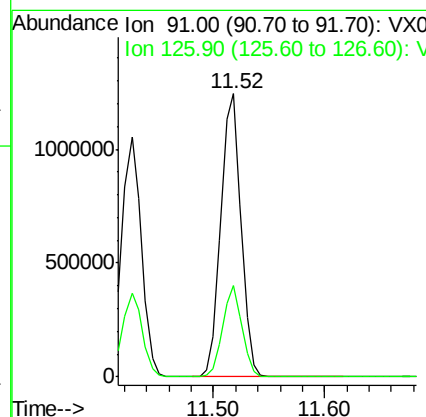
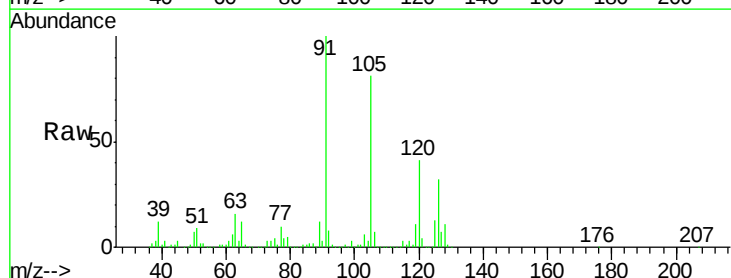
RT: 11.52 min Scan# 1793

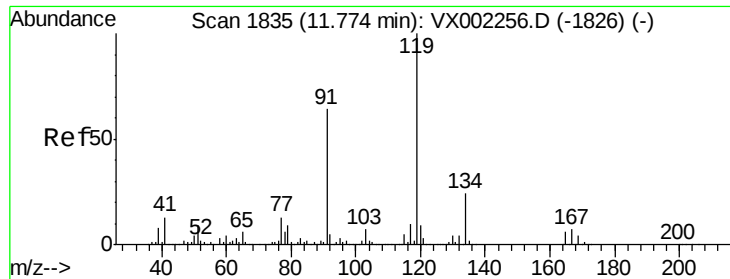
Delta R.T. 0.01 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Tgt Ion:	91	Resp:	1563861
Ion Ratio	Lower	Upper	
91	100		
126	30.7	15.4	46.4





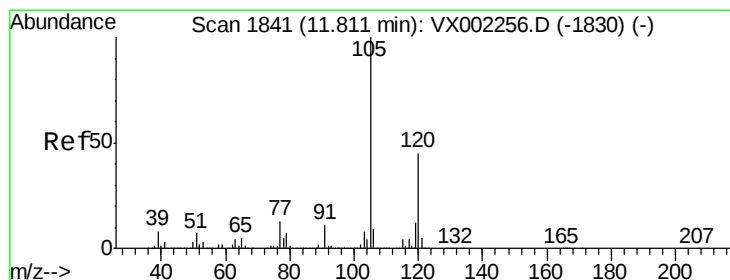
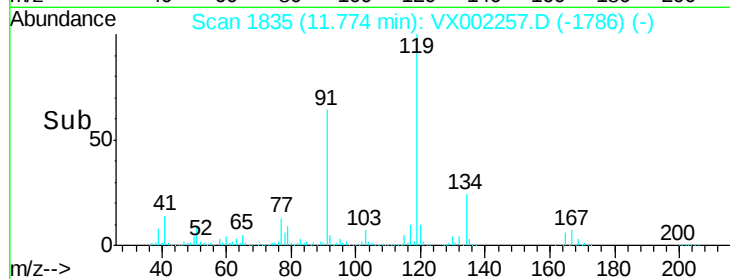
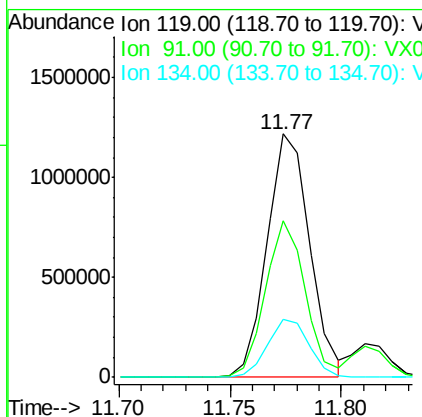
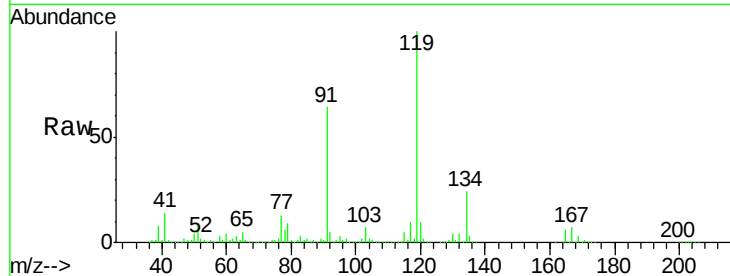
#83
 tert-Butylbenzene
 Concen: 97.40 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1616656
 Ion Ratio Lower Upper
 119 100
 91 60.2 30.3 90.9
 134 23.5 11.7 35.1

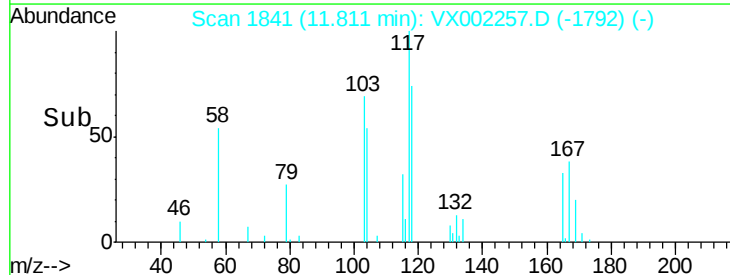
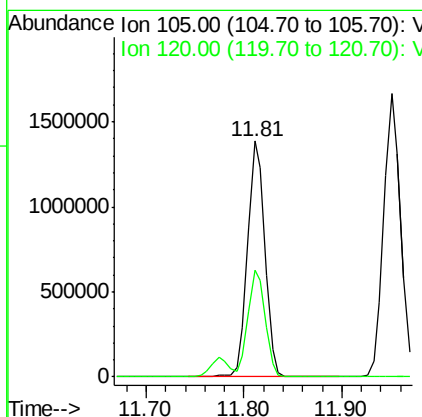
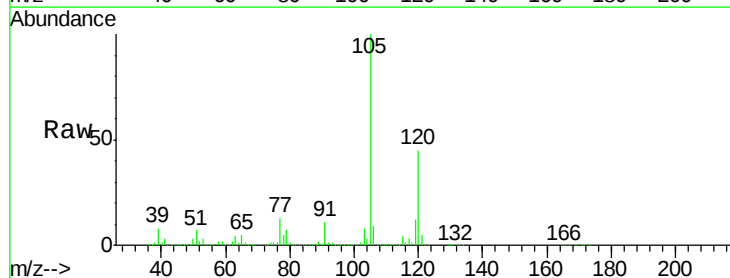
Manual Integrations
 APPROVED

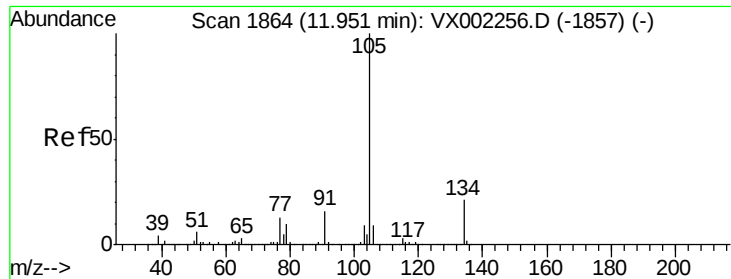
MMDadoda
 6/5/2018 5:56:03 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 97.06 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Tgt Ion:105 Resp: 1703066
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.3 66.8





#85

sec-Butylbenzene

Concen: 102.79 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2000312

Ion Ratio Lower Upper

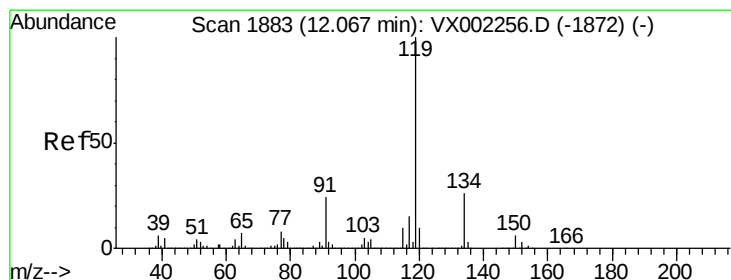
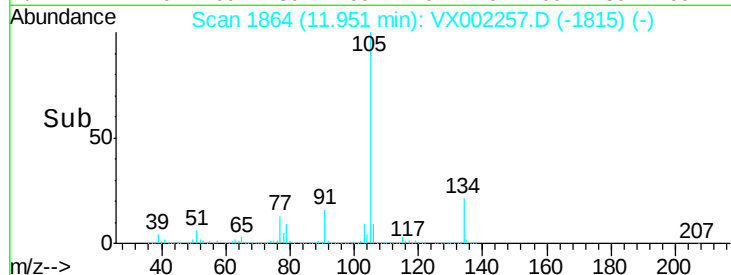
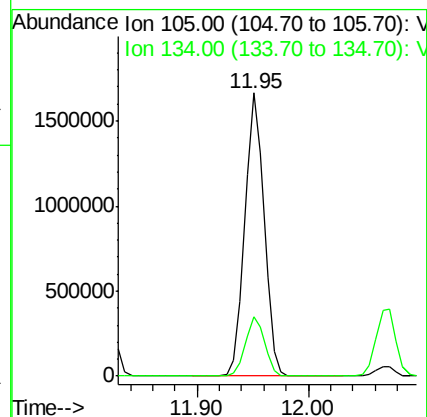
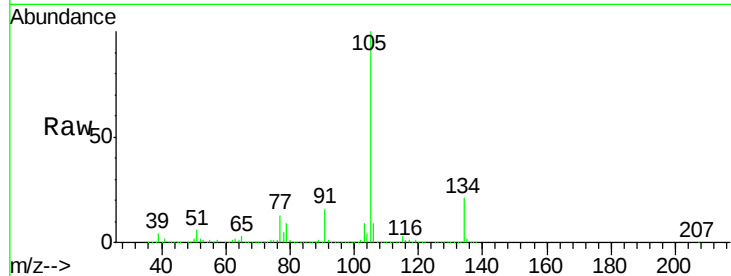
105 100

134 21.0 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 102.92 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

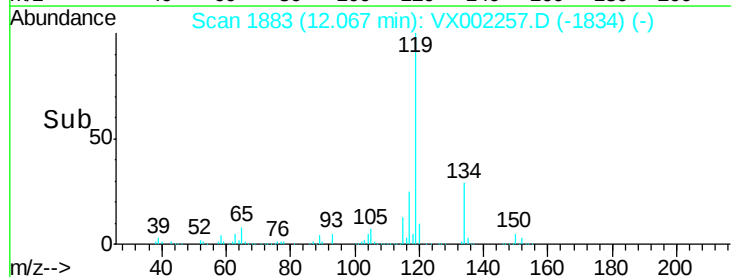
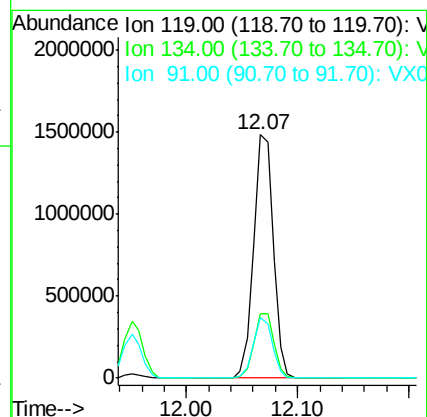
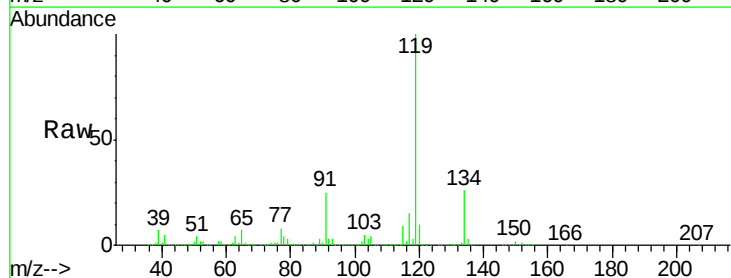
Tgt Ion:119 Resp: 1824326

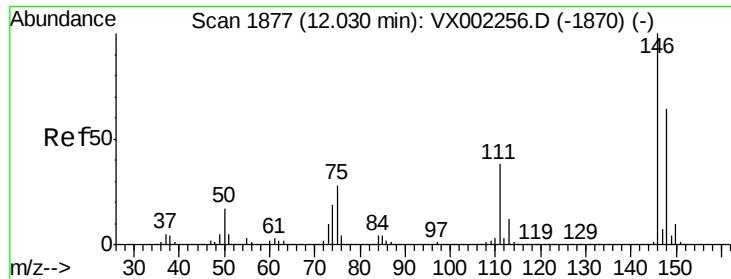
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 24.1 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 96.56 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

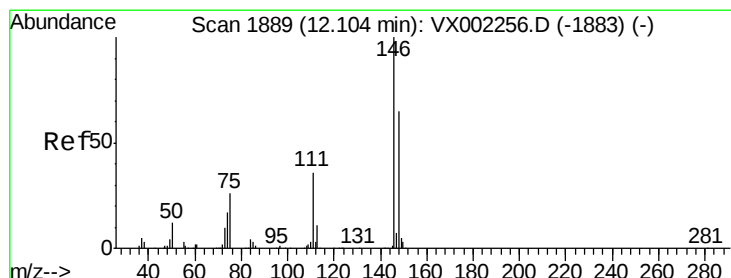
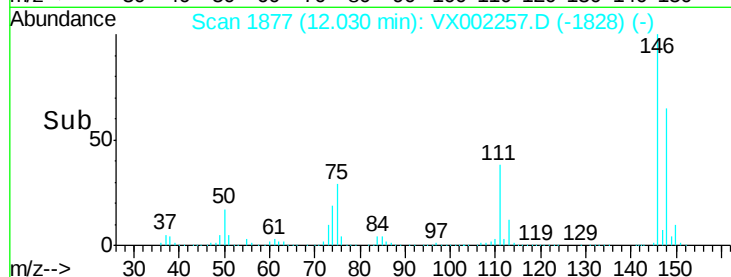
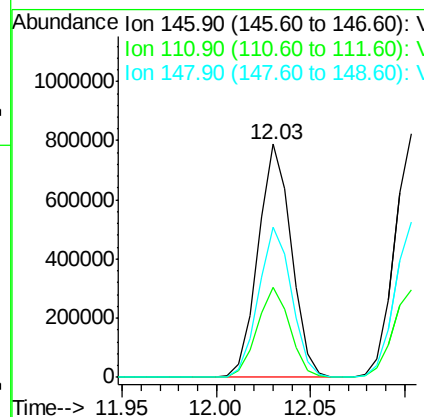
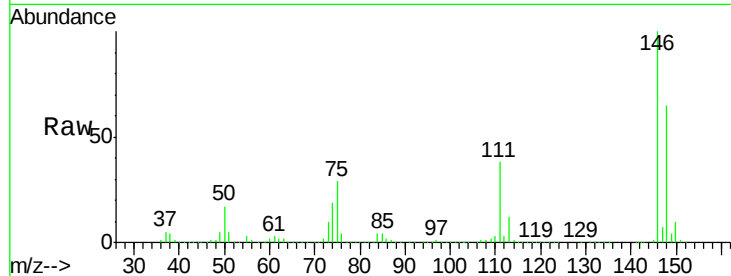
ClientSampled :

VSTDIC100

Tot Ion:	146	Resp:	963209
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.9	56.7
148	64.4	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 94.89 ug/l

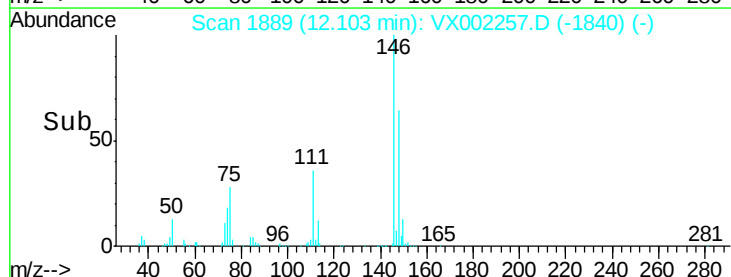
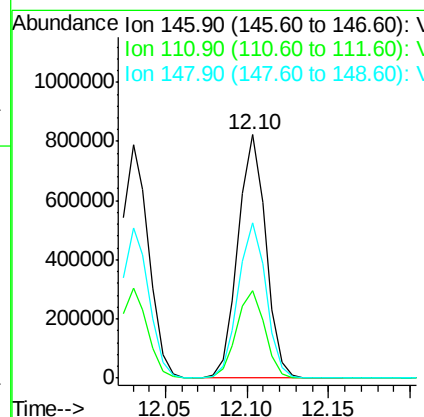
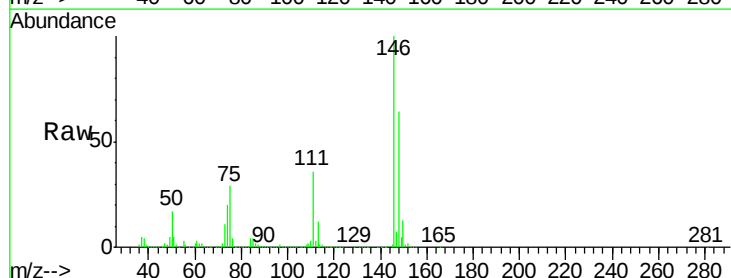
RT: 12.10 min Scan# 1889

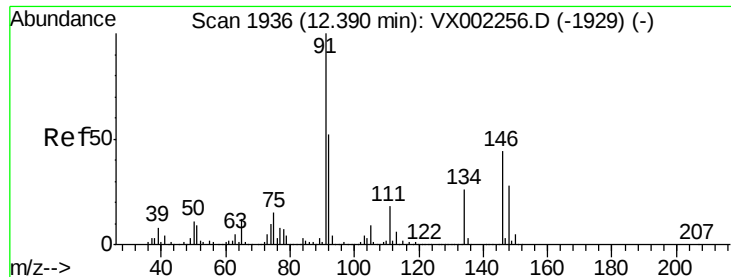
Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Tgt Ion:	146	Resp:	975713
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.7	56.1
148	64.1	32.4	97.0





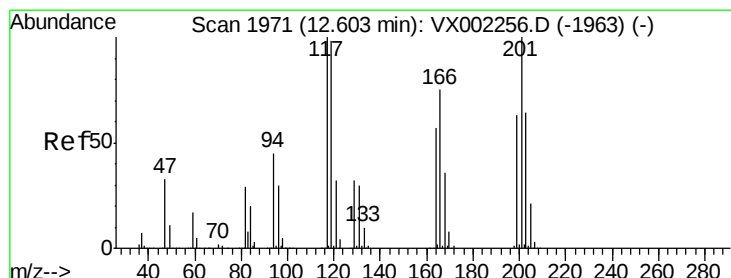
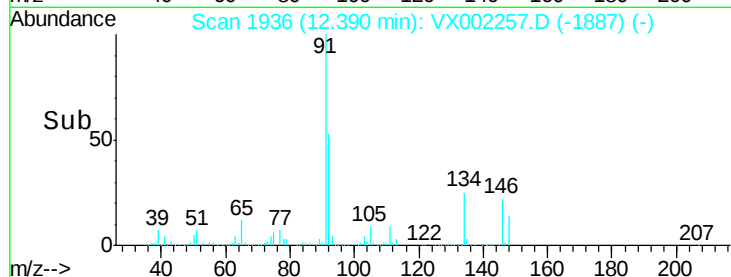
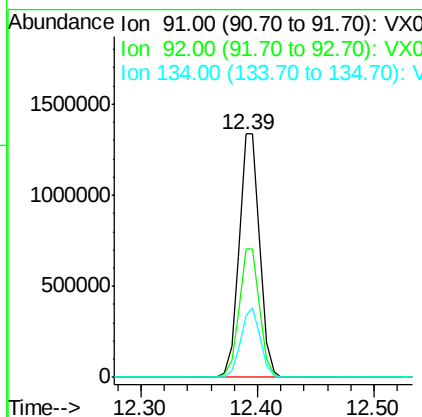
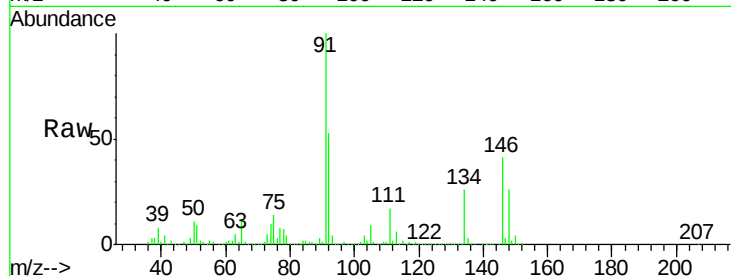
#89
n-Butylbenzene
Concen: 109.50 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	27.3	13.5	40.5

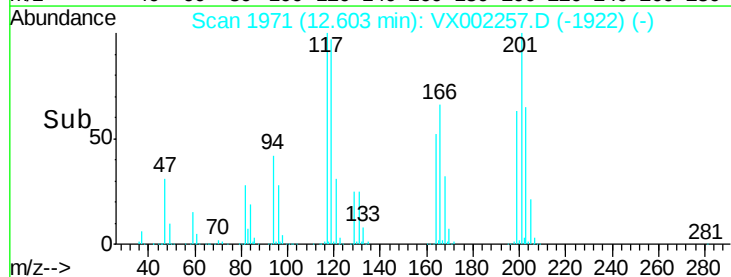
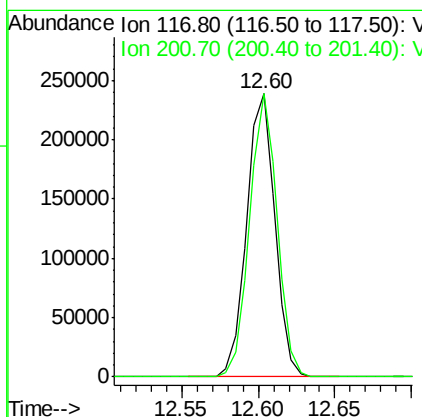
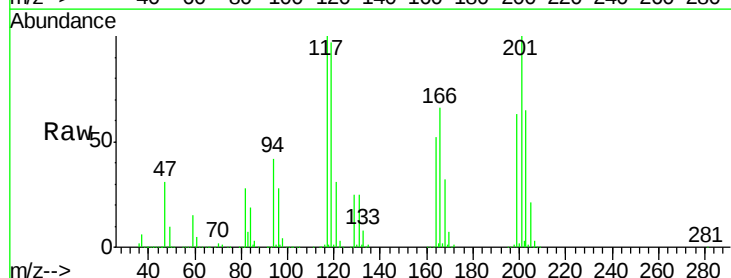
Manual Integrations
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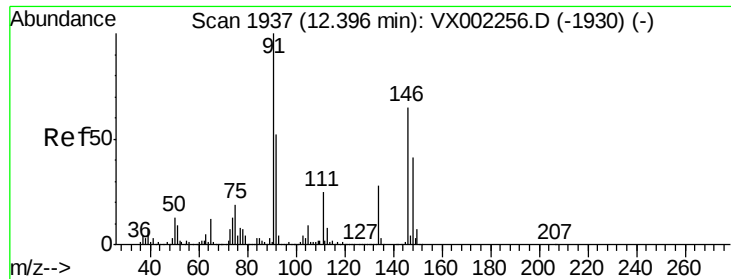
MMDadoda
6/5/2018 5:56:03 PM



#90
Hexachloroethane
Concen: 108.14 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002257.D
Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.5	49.0	147.0





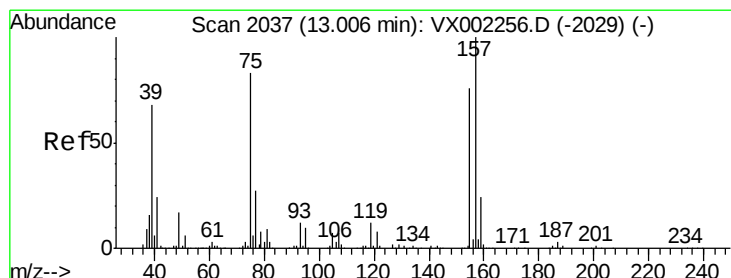
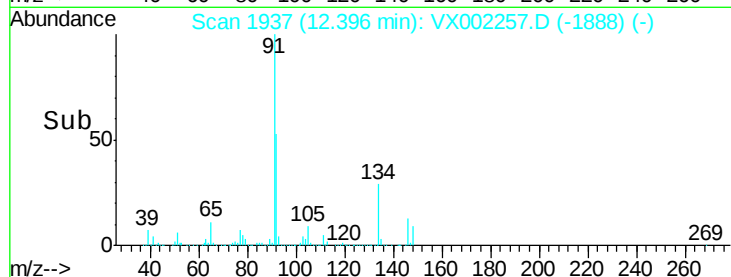
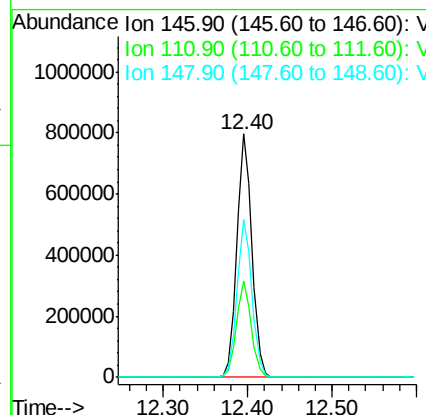
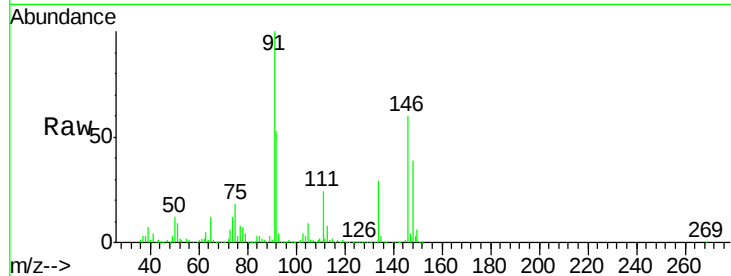
#91
 1,2-Dichlorobenzene
 Concen: 93.55 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	64.3	31.7	95.1

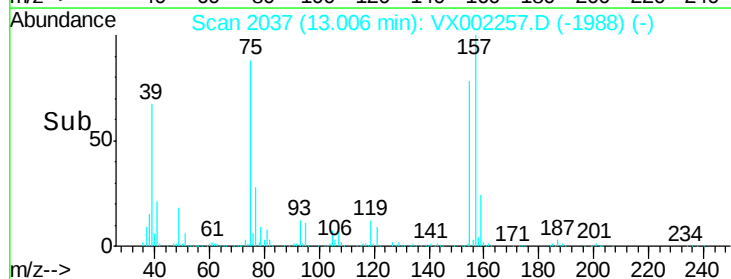
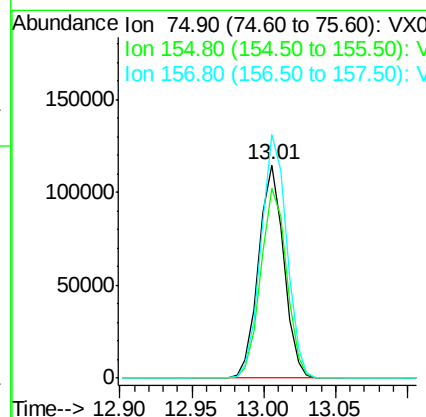
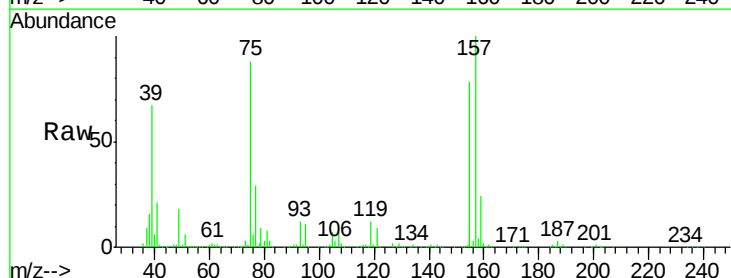
Manual Integrations
 APPROVED

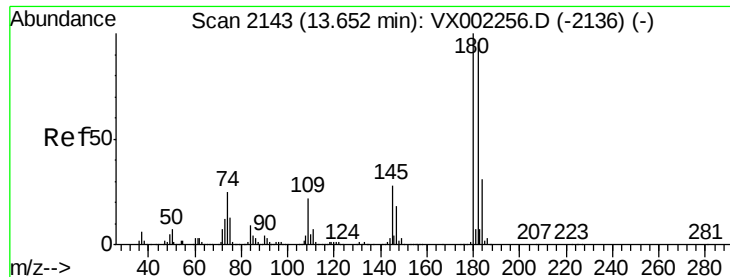
MMDadoda
 6/5/2018 5:56:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 100.64 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	45.8	137.4
157	117.1	60.1	180.3





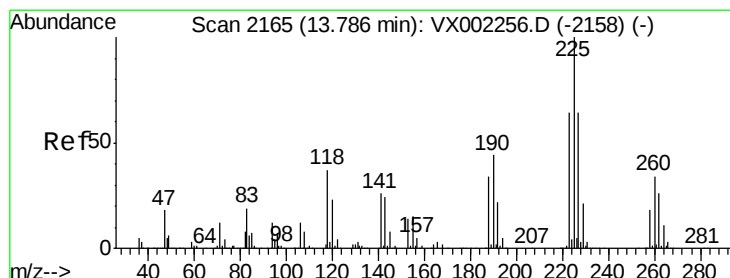
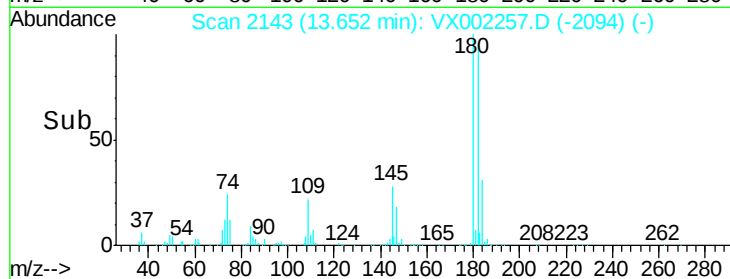
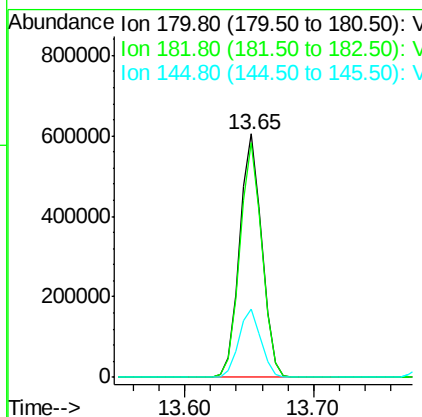
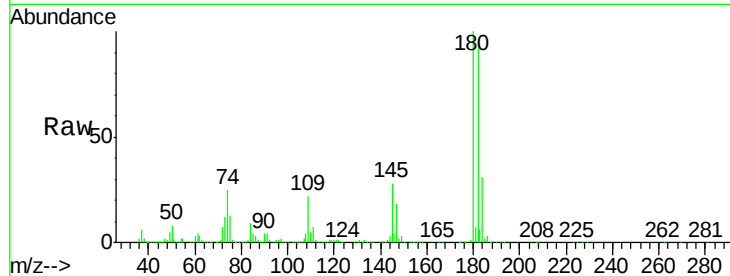
#93
 1,2,4-Trichlorobenzene
 Concen: 99.36 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	719060		
182	95.8	47.7	143.1	
145	28.1	14.1	42.4	

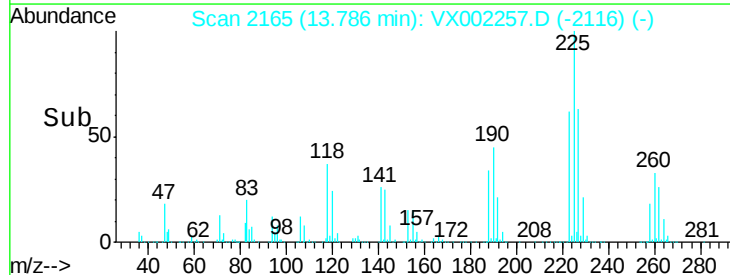
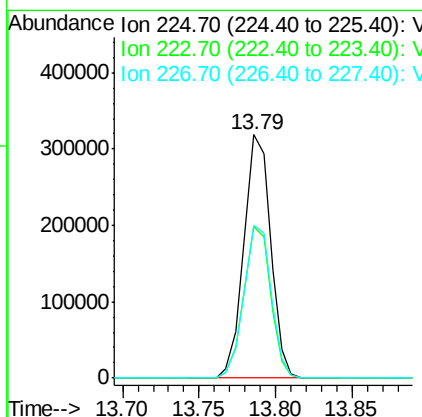
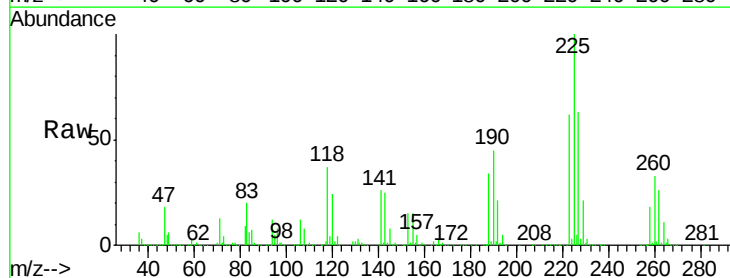
Manual Integrations
 APPROVED

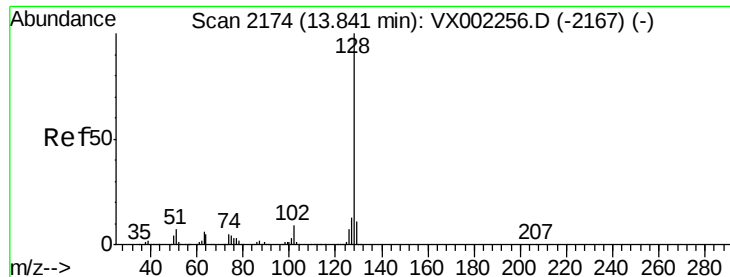
MMDadoda
 6/5/2018 5:56:03 PM



#94
 Hexachlorobutadiene
 Concen: 108.64 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002257.D
 Acq: 04 Jun 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	388538		
223	62.7	31.6	95.0	
227	64.0	32.4	97.2	





#95

Naphthalene

Concen: 96.32 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 2002913

Ion Ratio Lower Upper

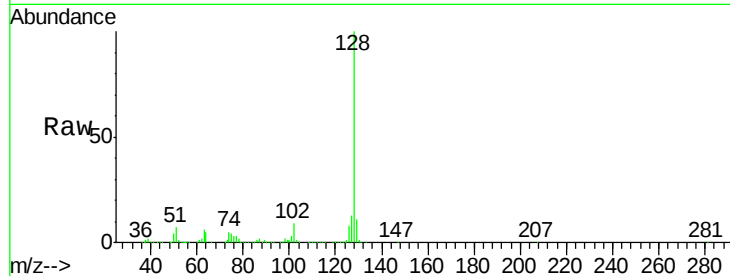
128 100

127 13.2 10.4 15.6

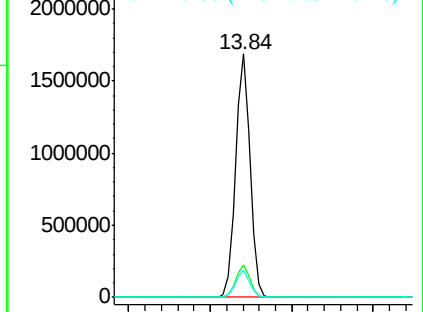
129 10.9 8.6 13.0

Manual Integrations
APPROVED

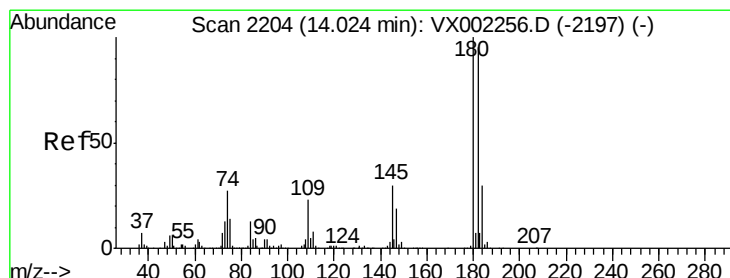
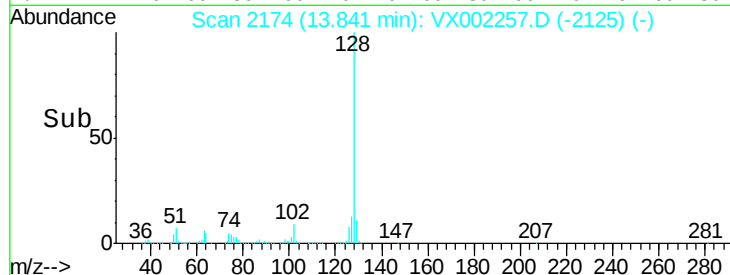
MMDadoda
6/5/2018 5:56:03 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 13.70 13.80 13.90 14.00



#96

1,2,3-Trichlorobenzene

Concen: 97.43 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002257.D

Acq: 04 Jun 2018 11:52

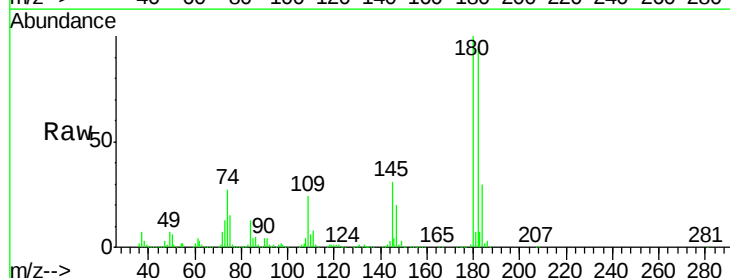
Tgt Ion:180 Resp: 719137

Ion Ratio Lower Upper

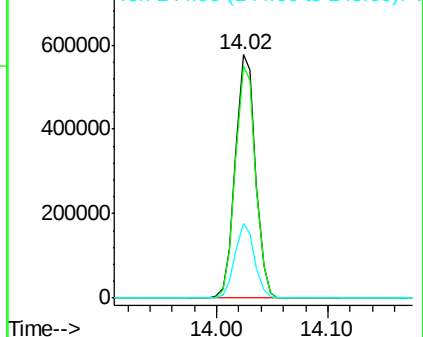
180 100

182 96.1 48.0 144.0

145 30.0 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time--> 14.00 14.10

