

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070918\
 Data File : VX003243.D
 Acq On : 09 Jul 2018 13:09
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 3:11:45 PM

Quant Time: Jul 09 15:13:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 14:57:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	333155	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	394938	106.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.80%	
35) Dibromofluoromethane	5.51	113	345949	131.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	262.26%	
50) Toluene-d8	8.72	98	1257478	130.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.04%	
62) 4-Bromofluorobenzene	11.14	95	477693	128.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	257.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	402481	151.60	ug/l	98
3) Chloromethane	1.32	50	326550	117.15	ug/l	99
4) Vinyl Chloride	1.40	62	360121	119.14	ug/l	99
5) Bromomethane	1.64	94	118715	63.62	ug/l	100
6) Chloroethane	1.71	64	202629	100.77	ug/l	99
7) Trichlorofluoromethane	1.92	101	521807	102.34	ug/l	99
8) Diethyl Ether	2.19	74	187104	100.94	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	302281	102.31	ug/l	94
10) Methyl Iodide	2.51	142	380720	138.24	ug/l	96
11) Tert butyl alcohol	3.09	59	352898	479.51	ug/l	99
12) 1,1-Dichloroethene	2.37	96	275682	104.58	ug/l	90
13) Acrolein	2.29	56	285879	654.26	ug/l	99
14) Allyl chloride	2.73	41	515276	99.16	ug/l	94
15) Acrylonitrile	3.15	53	771265	490.64	ug/l	99
16) Acetone	2.45	43	676747	442.33	ug/l	93
17) Carbon Disulfide	2.56	76	776728	110.59	ug/l	98
18) Methyl Acetate	2.78	43	393702	92.04	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	922073	97.30	ug/l	100
20) Methylene Chloride	2.86	84	294783	99.01	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	292851	102.00	ug/l	95
22) Diisopropyl ether	3.88	45	1043432	105.05	ug/l	97
23) Vinyl Acetate	3.83	43	4552843	541.32	ug/l #	94
24) 1,1-Dichloroethane	3.70	63	533218	98.77	ug/l	100
25) 2-Butanone	4.71	43	1237181	544.87	ug/l	95
26) 2,2-Dichloropropane	4.59	77	492147	112.11	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	381183	118.41	ug/l	88
28) Bromochloromethane	5.03	49	264829	102.49	ug/l	84
29) Tetrahydrofuran	5.17	42	797512	547.71	ug/l	95
30) Chloroform	5.22	83	610197	110.14	ug/l	97
31) Cyclohexane	5.57	56	541580	116.89	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	558879	114.65	ug/l	98
36) 1,1-Dichloropropene	5.80	75	453645	124.17	ug/l	98
37) Ethyl Acetate	4.87	43	493345	125.41	ug/l	99
38) Carbon Tetrachloride	5.78	117	509640	127.12	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	545574	128.20	ug/l	95
40) Benzene	6.15	78	1334899	125.75	ug/l	100
41) Methacrylonitrile	5.07	41	273861	120.90	ug/l	96
42) 1,2-Dichloroethane	6.20	62	483860	112.84	ug/l	98
43) Isopropyl Acetate	6.47	43	797308	120.85	ug/l	97
44) Trichloroethene	7.21	130	397390	125.56	ug/l	100
45) 1,2-Dichloropropane	7.52	63	343811	122.10	ug/l	100
46) Dibromomethane	7.67	93	236490	121.02	ug/l	94
47) Bromodichloromethane	7.90	83	459278	127.13	ug/l	98
48) Methyl methacrylate	7.78	41	415711	122.29	ug/l	93
49) 1,4-Dioxane	7.76	88	163461	2471.59	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	2493945	604.20	ug/l	96
52) Toluene	8.79	92	864049	127.06	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	554047	135.42	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	521783	132.54	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	347660	124.41	ug/l	98
56) Ethyl methacrylate	9.18	69	523109	128.09	ug/l	91
57) 1,3-Dichloropropane	9.38	76	565760	123.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1285689	652.54	ug/l	96
59) 2-Hexanone	9.50	43	1927148	614.32	ug/l	95
60) Dibromochloromethane	9.59	129	400341	136.09	ug/l	100
61) 1,2-Dibromoethane	9.68	107	375599	128.14	ug/l	100
64) Tetrachloroethene	9.34	164	435522	126.51	ug/l	99
65) Chlorobenzene	10.14	112	999137	127.06	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	377886	132.28	ug/l	100
67) Ethyl Benzene	10.26	91	1685453	129.75	ug/l	100
68) m/p-Xylenes	10.36	106	1329439	265.55	ug/l	96
69) o-Xylene	10.70	106	641873	131.67	ug/l	96
70) Styrene	10.71	104	1057960	133.56	ug/l	98
71) Bromoform	10.86	173	336071	149.69	ug/l	100
73) Isopropylbenzene	11.02	105	1743804	115.55	ug/l	99
74) N-amyl acetate	6.47	43	797308	107.98	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	514264	110.62	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	450484m	110.86	ug/l	
77) Bromobenzene	11.26	156	491209	114.30	ug/l	95
78) n-propylbenzene	11.37	91	1973251	114.87	ug/l	98
79) 2-Chlorotoluene	11.43	91	1154010	110.96	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	1480863	116.50	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	164163	137.03	ug/l	91
82) 4-Chlorotoluene	11.51	91	1372795	111.50	ug/l	97
83) tert-Butylbenzene	11.77	119	1470057	117.35	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	1514426	114.99	ug/l	97
85) sec-Butylbenzene	11.95	105	1743419	114.72	ug/l	99
86) p-Isopropyltoluene	12.07	119	1603014	117.33	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	897063	114.28	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	900877	111.53	ug/l	98
89) n-Butylbenzene	12.39	91	1362790	114.60	ug/l	98
90) Hexachloroethane	12.60	117	258599	127.25	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	886310	111.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	117849	112.77	ug/l	90

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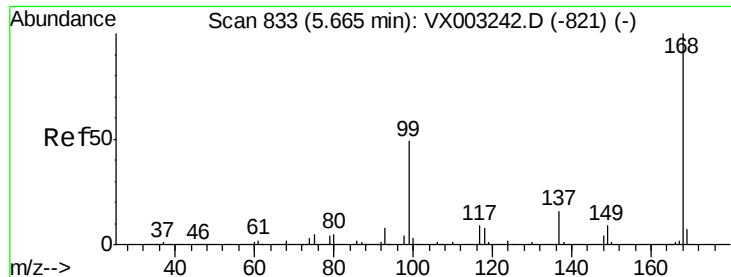
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
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QLast Update : Mon Jul 09 14:57:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	681461	118.19	ug/l	100
94) Hexachlorobutadiene	13.79	225	330165	114.81	ug/l	99
95) Naphthalene	13.83	128	1840370	119.84	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	671716	116.64	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:168 Resp: 267285

Ion Ratio Lower Upper

168 100

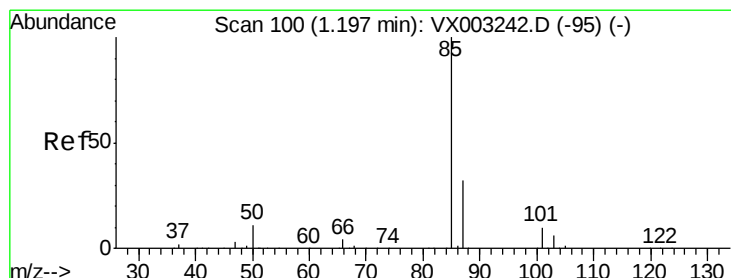
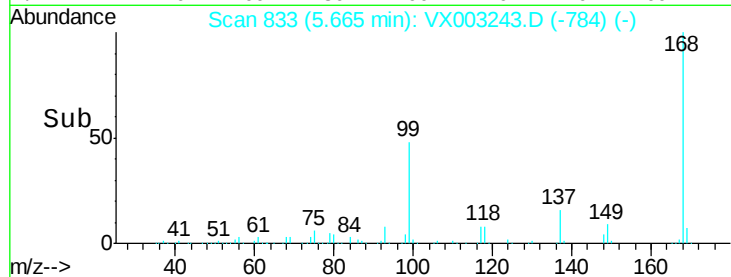
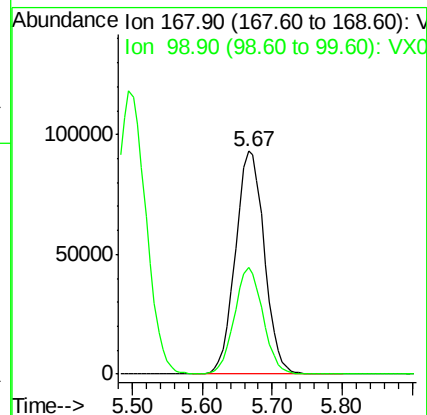
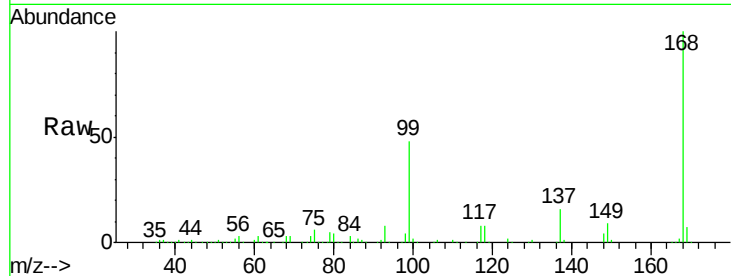
99 47.7 39.3 58.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 151.60 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003243.D

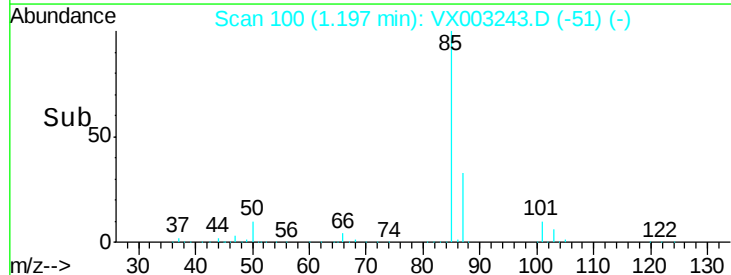
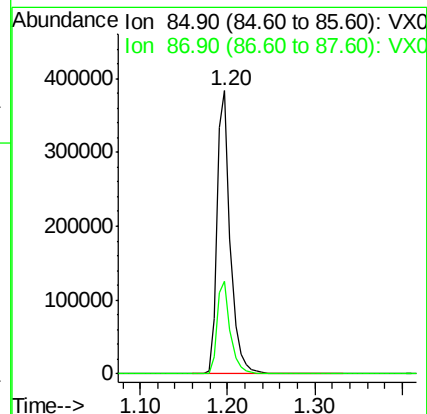
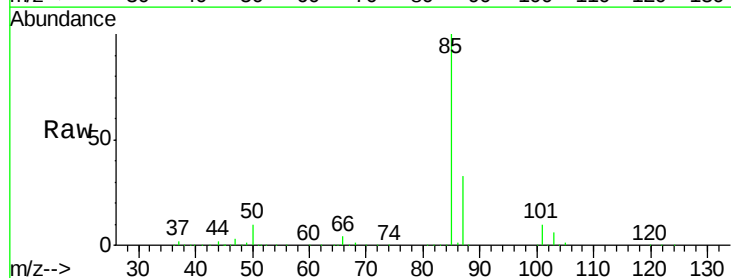
Acq: 09 Jul 2018 13:09

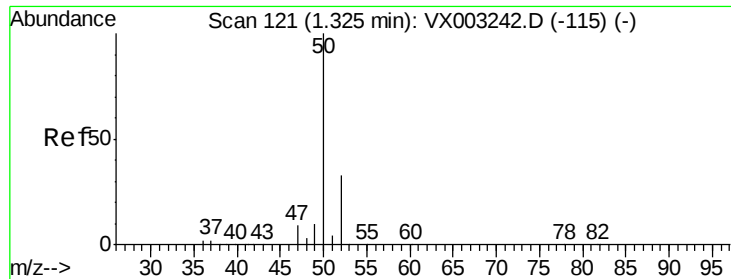
Tgt Ion: 85 Resp: 402481

Ion Ratio Lower Upper

85 100

87 32.9 16.0 47.9





#3

Chloromethane

Concen: 117.15 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 326550

Ion Ratio Lower Upper

50 100

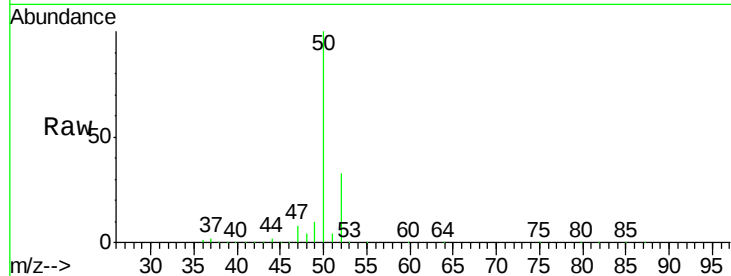
52 32.7 25.7 38.5

Manual Integrations

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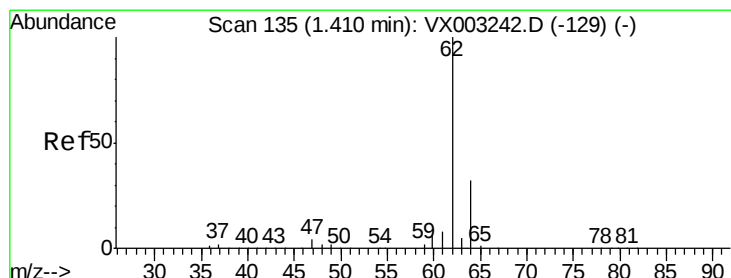
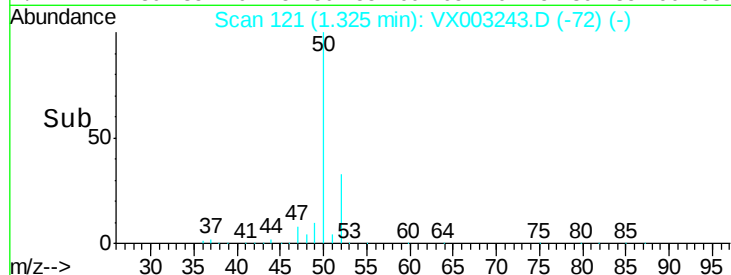
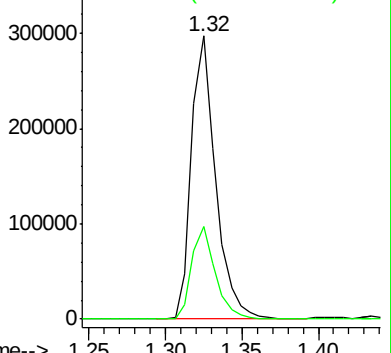
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 119.14 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX003243.D

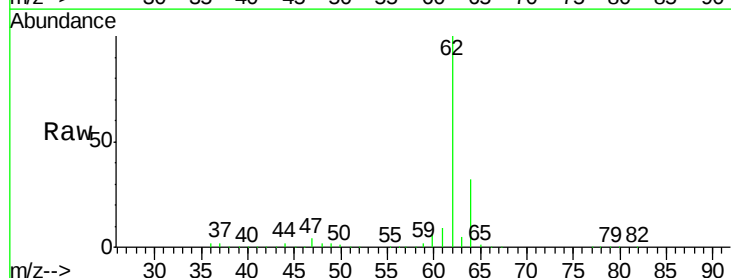
Acq: 09 Jul 2018 13:09

Tgt Ion: 62 Resp: 360121

Ion Ratio Lower Upper

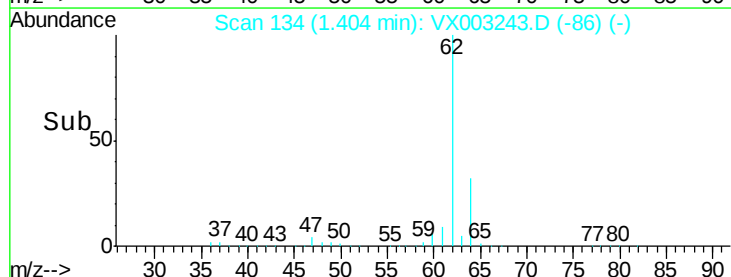
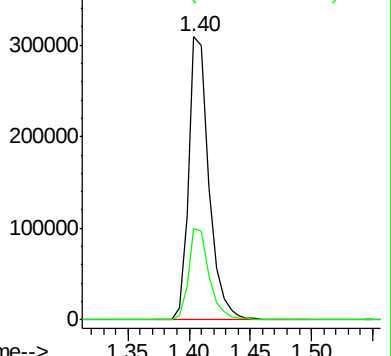
62 100

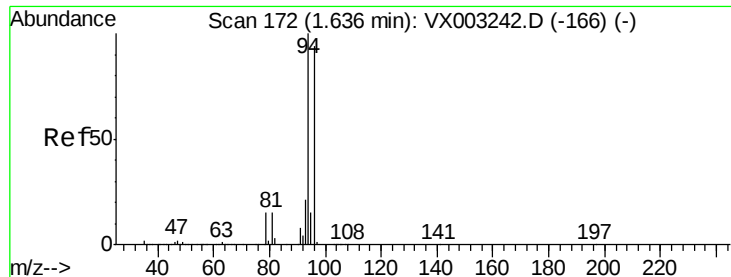
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 63.62 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 118715

Ion Ratio Lower Upper

94 100

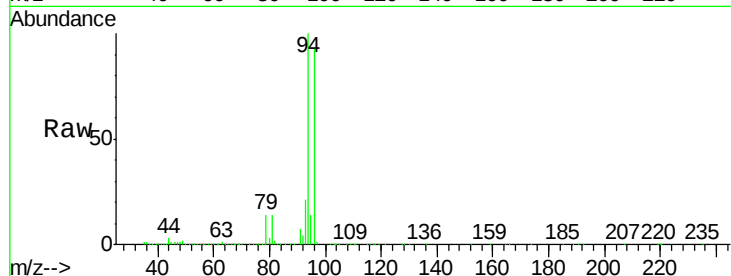
96 93.2 74.9 112.3

Manual Integrations

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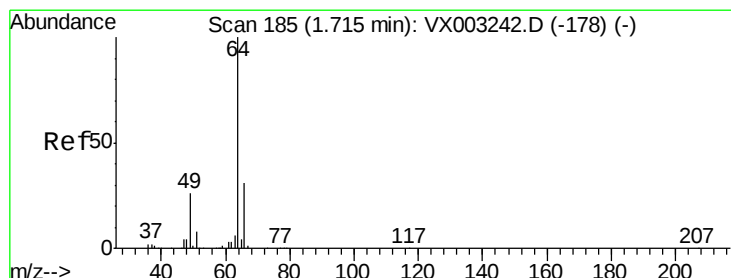
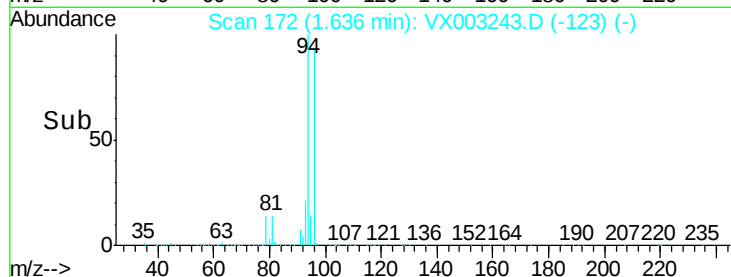
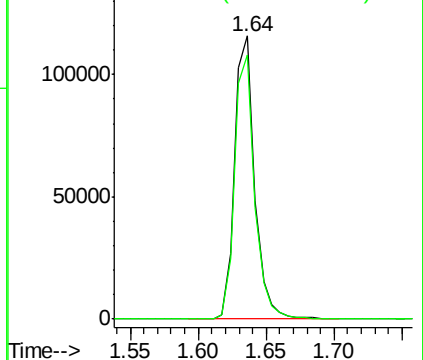
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 100.77 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX003243.D

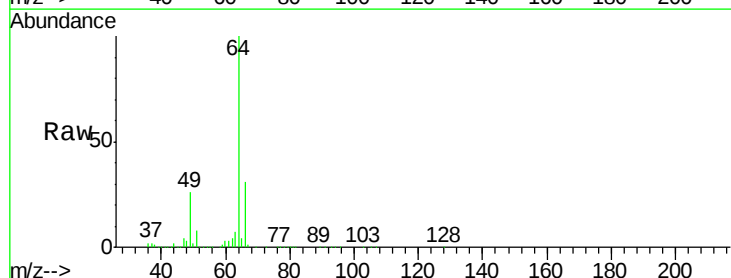
Acq: 09 Jul 2018 13:09

Tgt Ion: 64 Resp: 202629

Ion Ratio Lower Upper

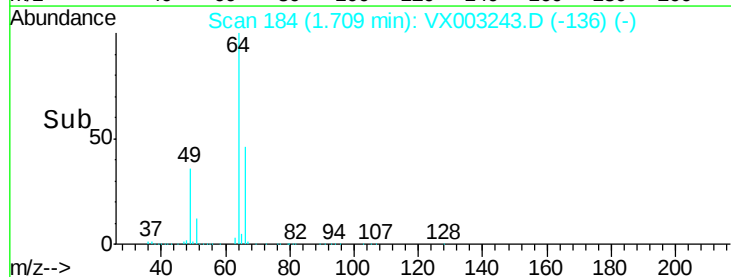
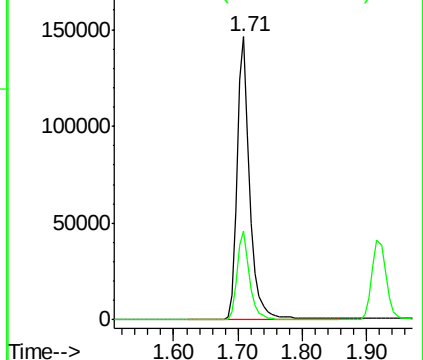
64 100

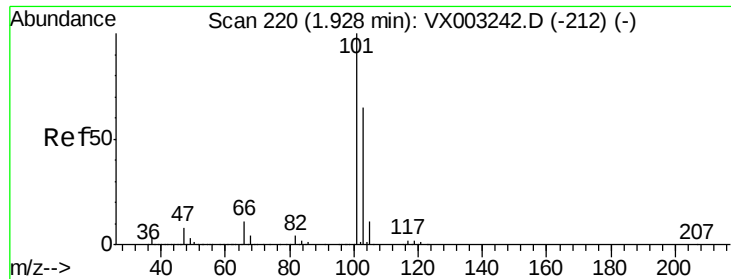
66 31.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

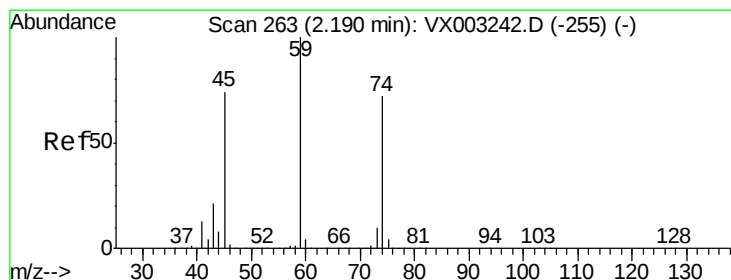
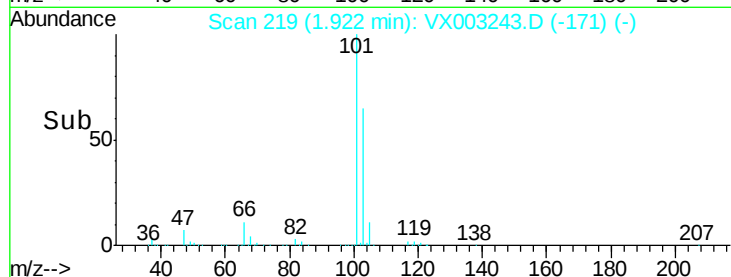
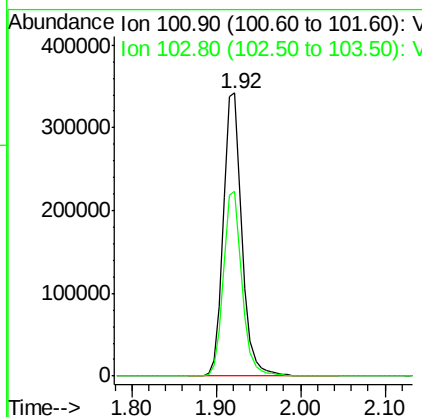
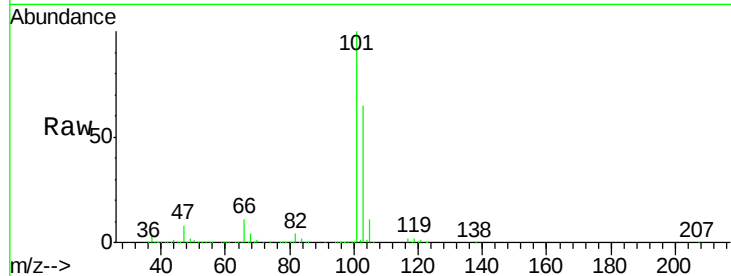
Trichlorofluoromethane
 Concen: 102.34 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.8	79.2

Manual Integrations
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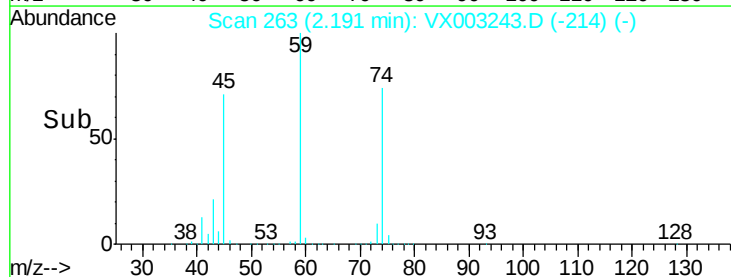
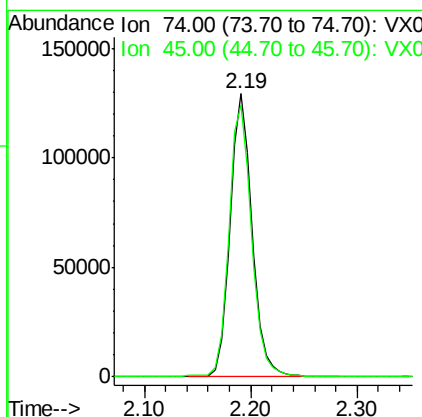
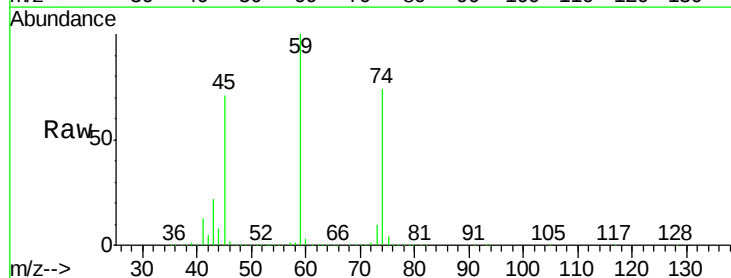
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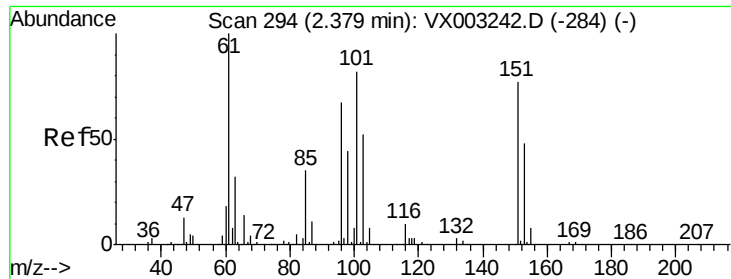


#8

Diethyl Ether
 Concen: 100.94 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.31 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

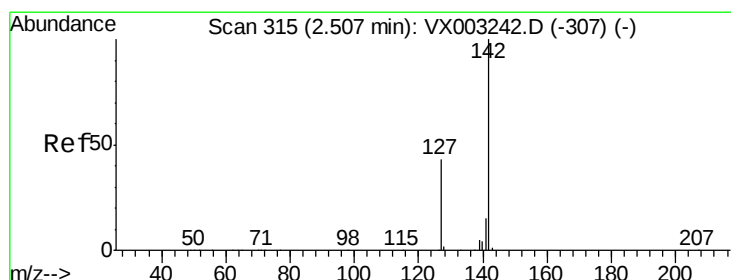
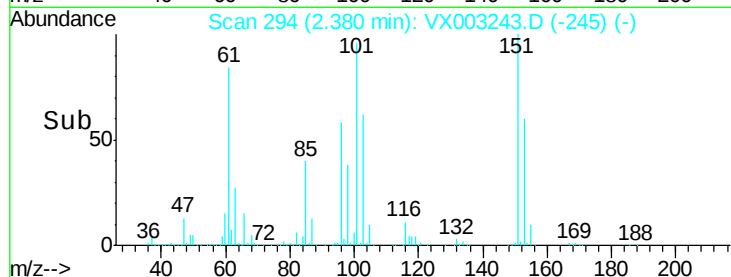
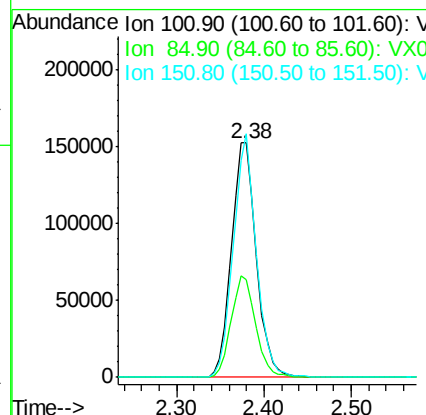
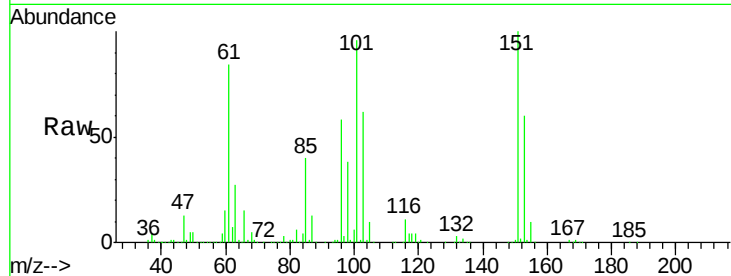
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	302281
Ion Ratio	Lower	Upper	
101	100		
85	42.6	36.0	54.0
151	95.8	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 138.24 ug/l

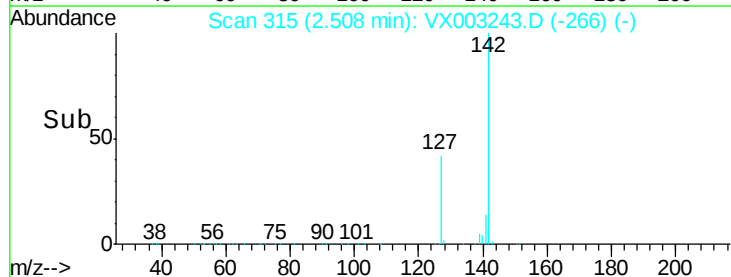
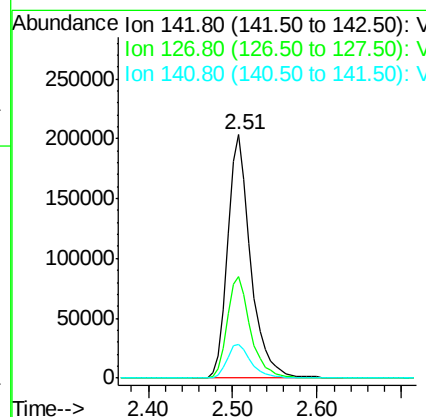
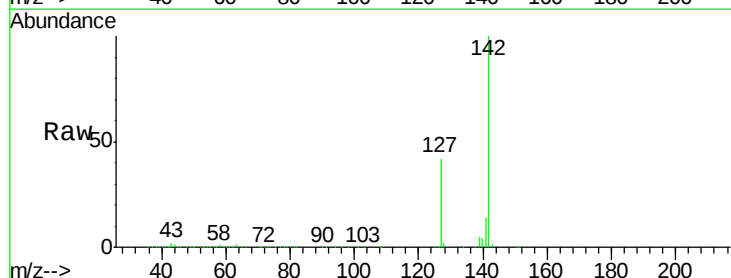
RT: 2.51 min Scan# 315

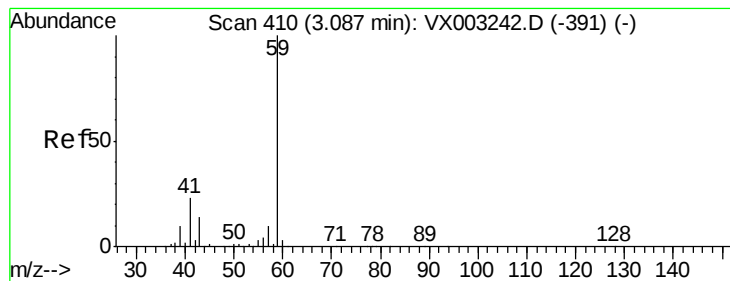
Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Tgt Ion:	142	Resp:	380720
Ion Ratio	Lower	Upper	
142	100		
127	42.4	36.6	55.0
141	14.3	11.3	16.9





#11

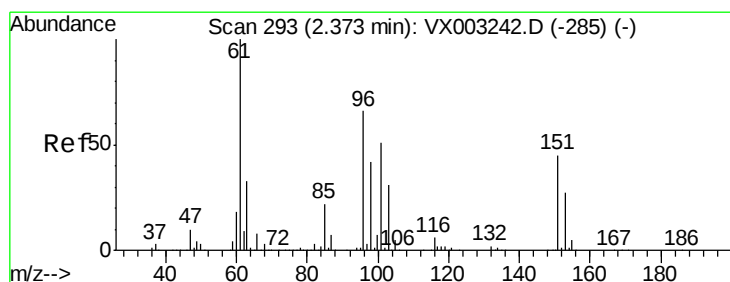
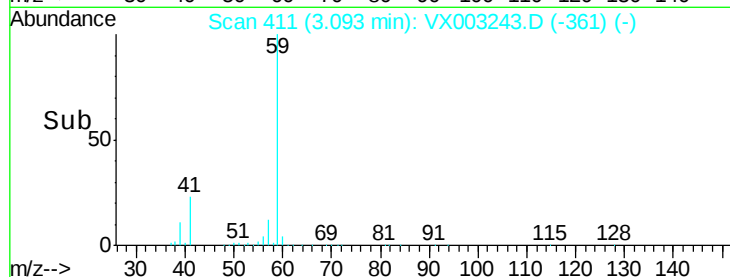
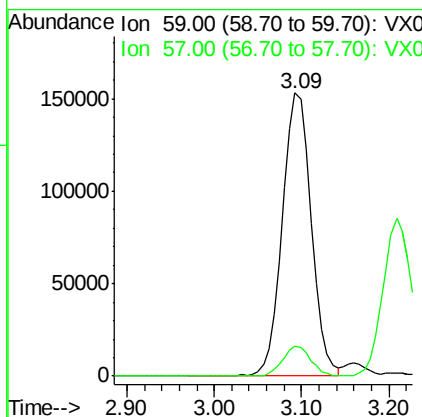
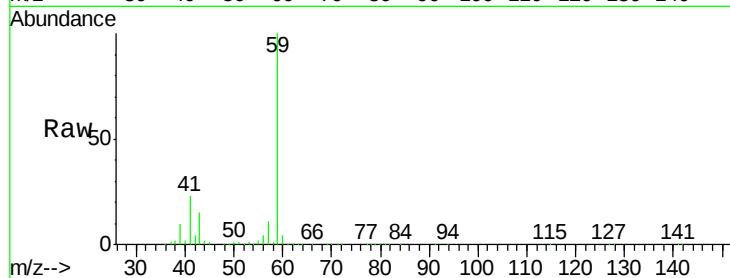
Tert butyl alcohol
Concen: 479.51 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

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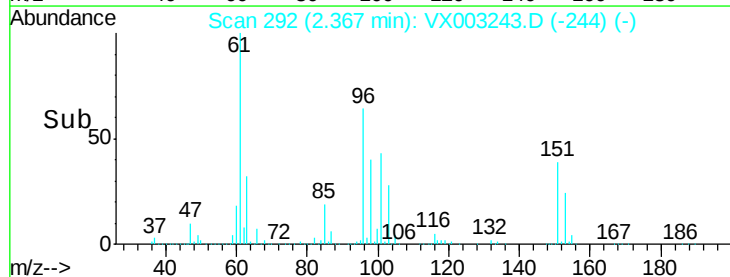
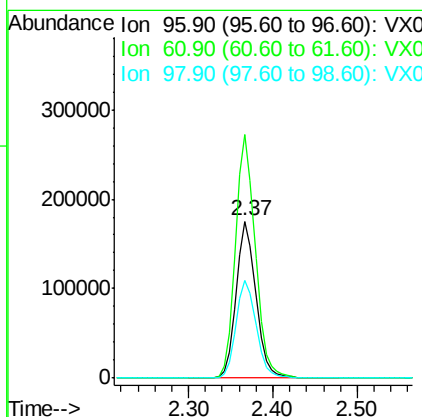
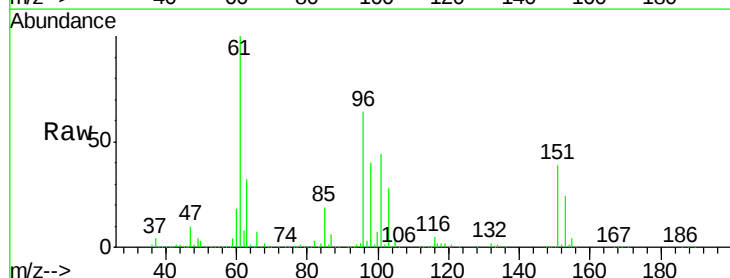
MMDadoda
7/10/2018 3:11:45 PM

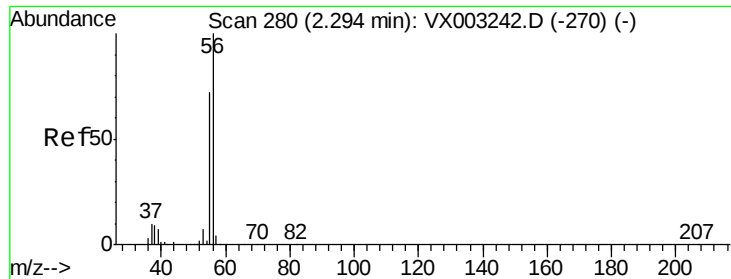


#12

1,1-Dichloroethene
Concen: 104.58 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	137.9	206.9
98	62.5	51.6	77.4





#13

Acrolein

Concen: 654.26 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 285879

Ion Ratio Lower Upper

56 100

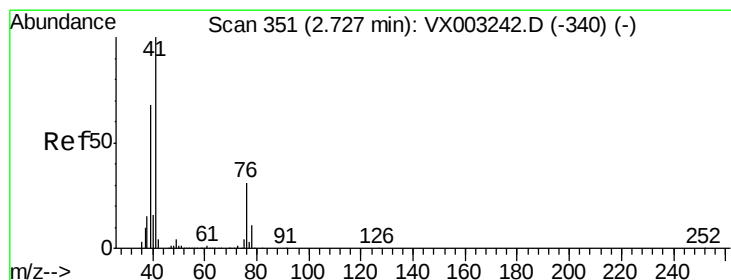
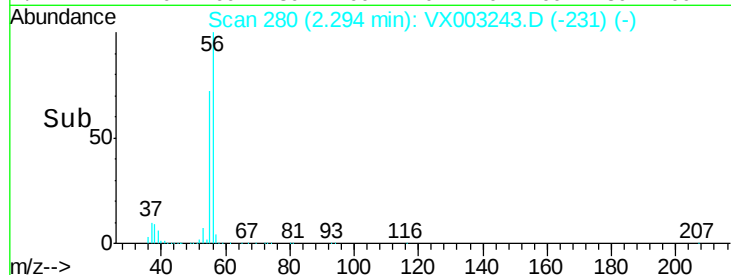
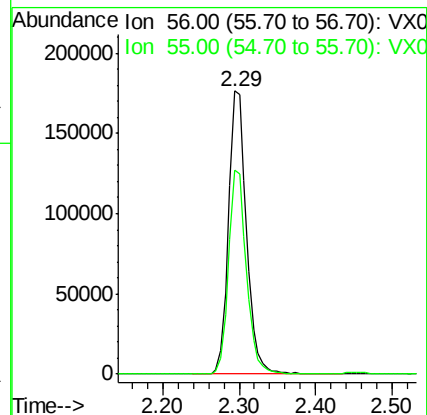
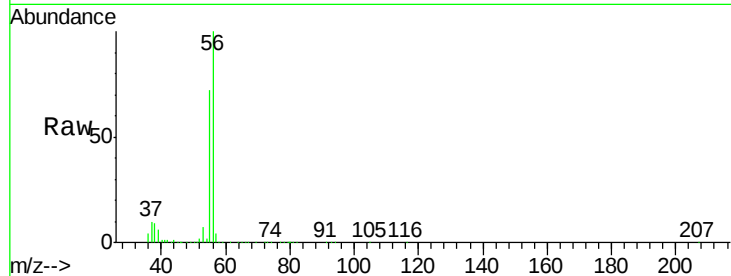
55 71.7 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 99.16 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

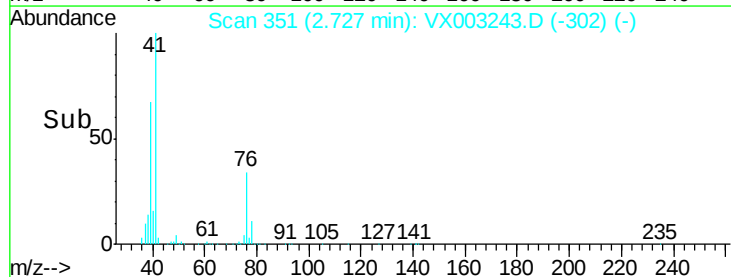
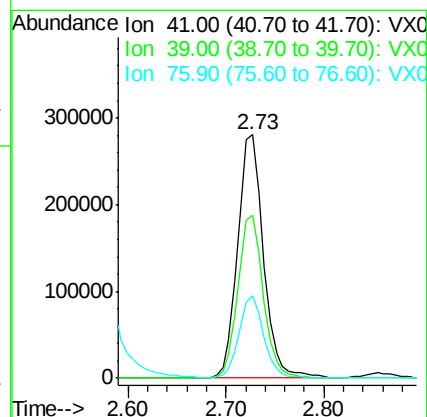
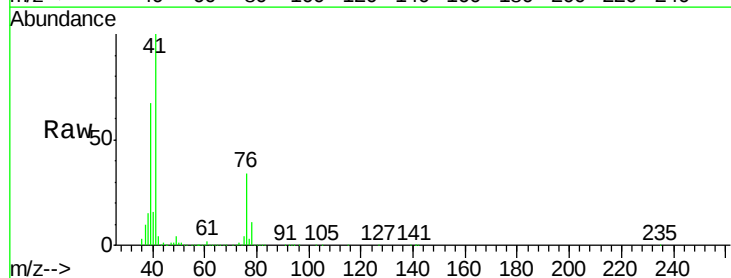
Tgt Ion: 41 Resp: 515276

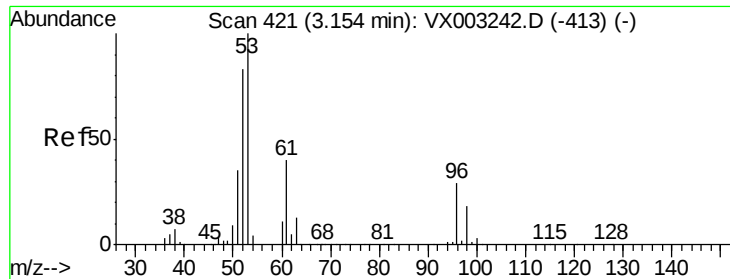
Ion Ratio Lower Upper

41 100

39 65.6 56.8 85.2

76 32.4 23.8 35.8





#15

Acrylonitrile

Concen: 490.64 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

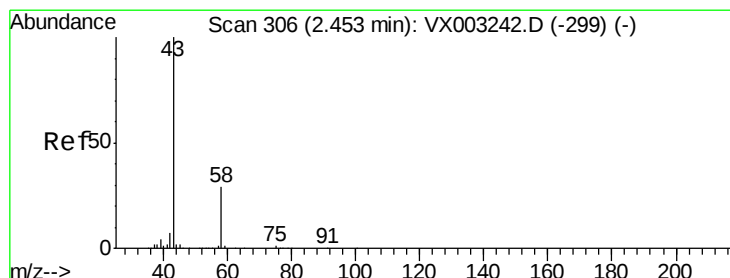
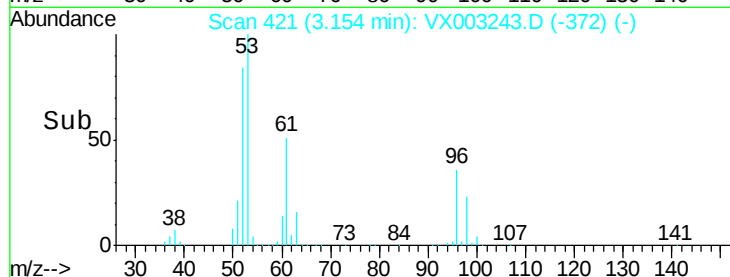
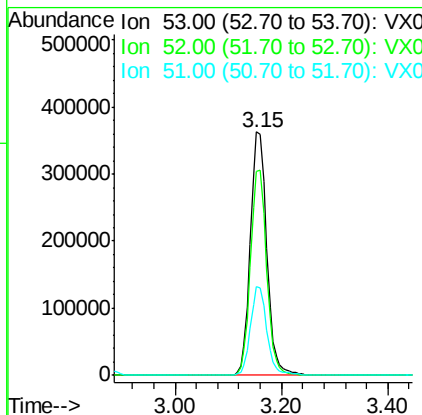
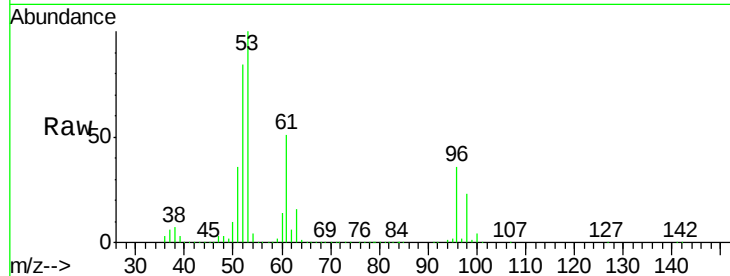
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	771265
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.7	100.1
51	36.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 442.33 ug/l

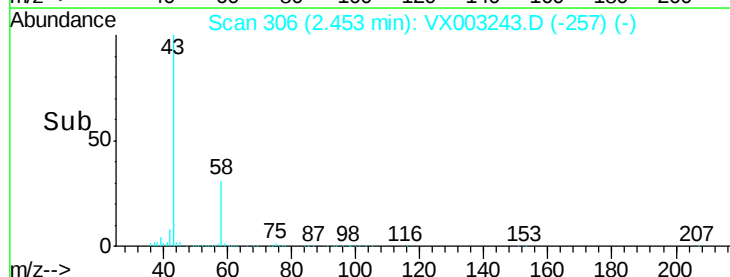
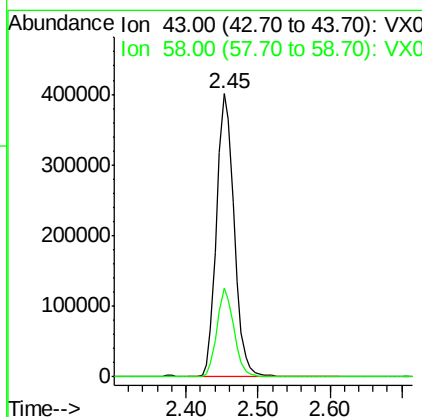
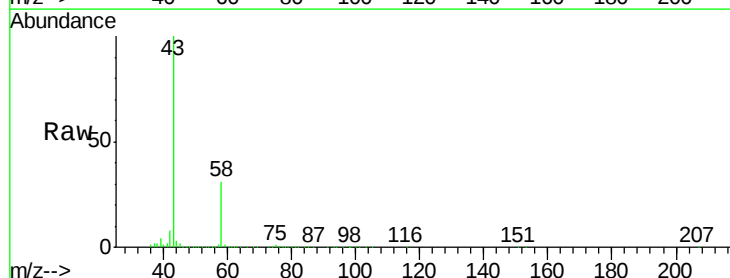
RT: 2.45 min Scan# 306

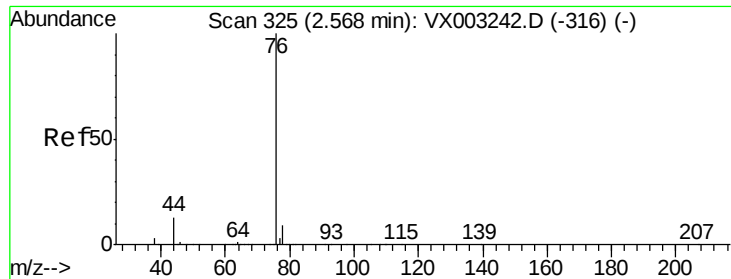
Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Tgt Ion:	43	Resp:	676747
Ion Ratio	Lower	Upper	
43	100		
58	31.2	22.1	33.1





#17

Carbon Disulfide

Concen: 110.59 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 776728

Ion Ratio Lower Upper

76 100

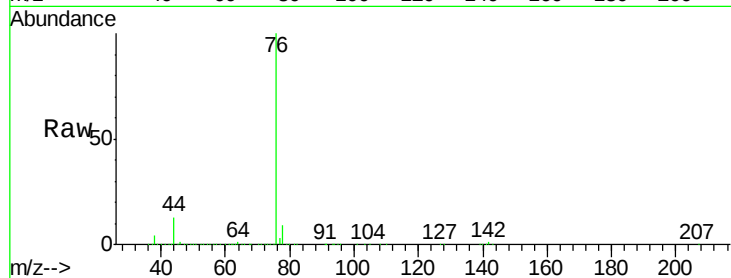
78 9.2 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

400000

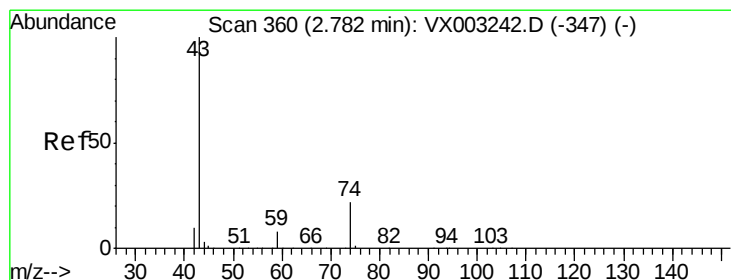
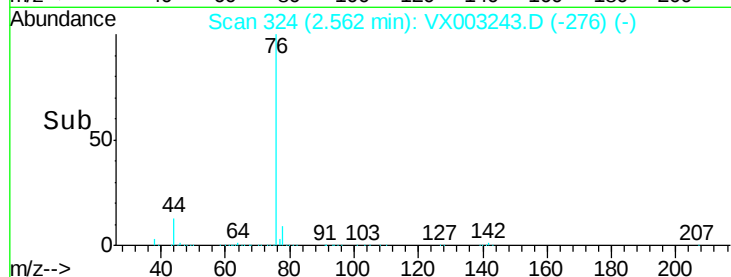
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 92.04 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003243.D

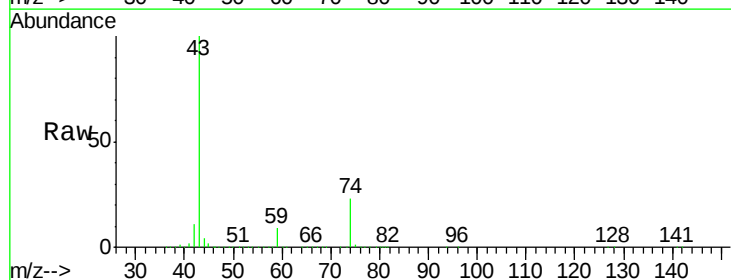
Acq: 09 Jul 2018 13:09

Tgt Ion: 43 Resp: 393702

Ion Ratio Lower Upper

43 100

74 23.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

250000

200000

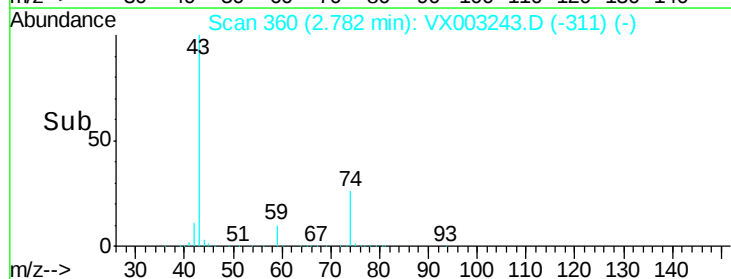
150000

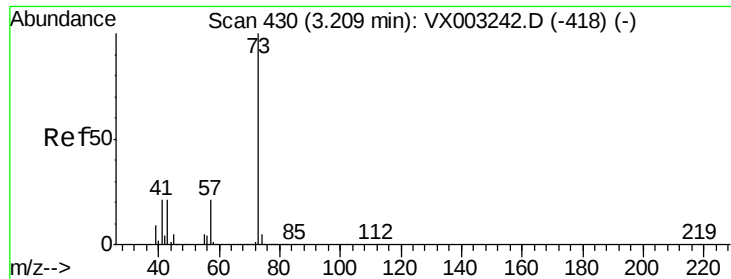
100000

50000

0

Time-->





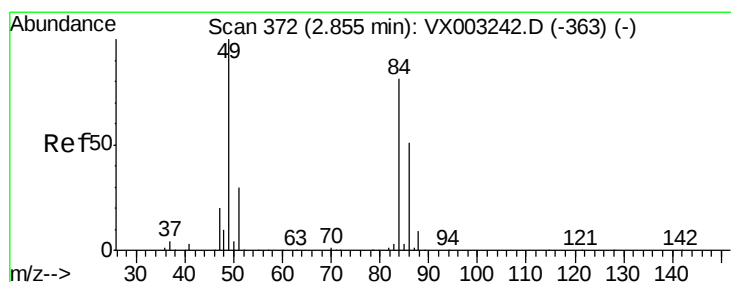
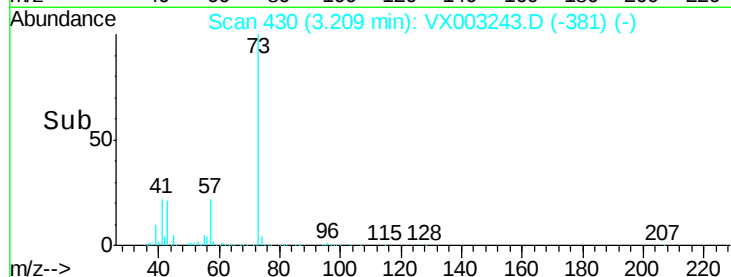
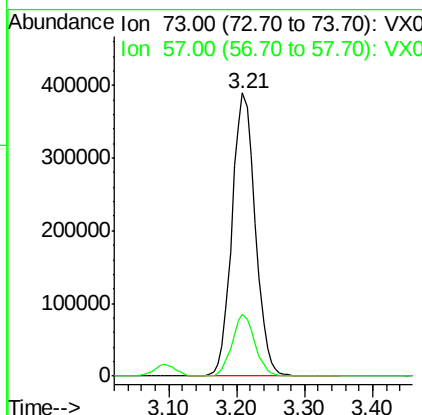
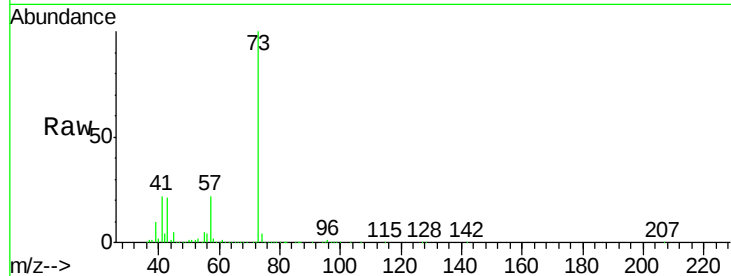
#19
Methvl tert-butvl Ether
Concen: 97.30 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 73 Resp: 922073
Ion Ratio Lower Upper
73 100
57 21.9 17.7 26.5

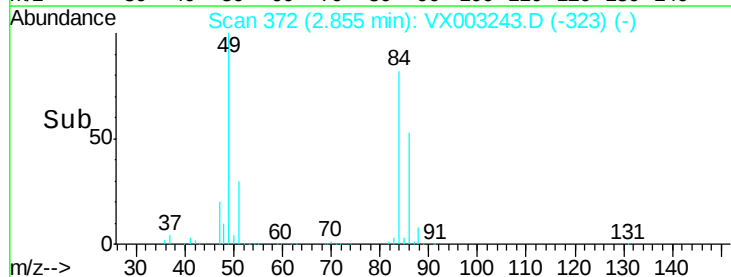
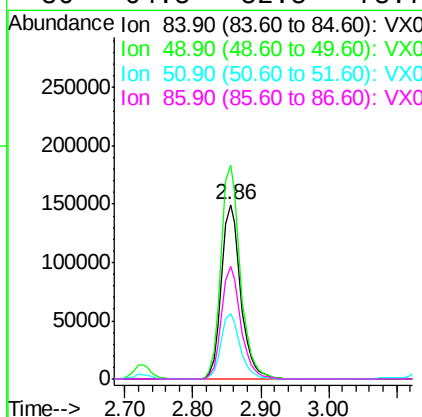
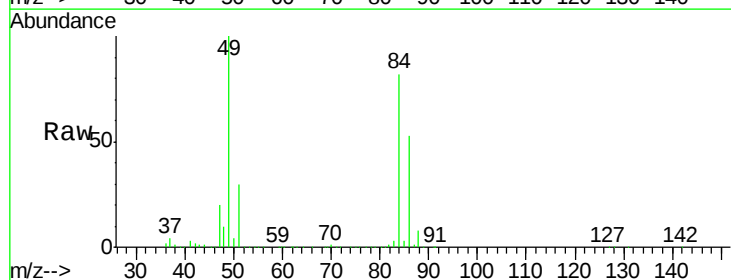
Manual Integrations
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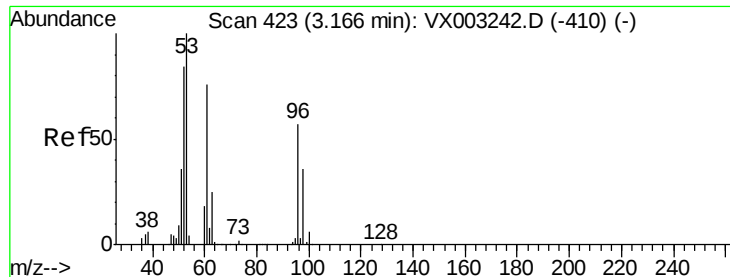
MMDadoda
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#20
Methylene Chloride
Concen: 99.01 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion: 84 Resp: 294783
Ion Ratio Lower Upper
84 100
49 122.5 107.8 161.6
51 37.1 32.8 49.2
86 64.5 52.5 78.7





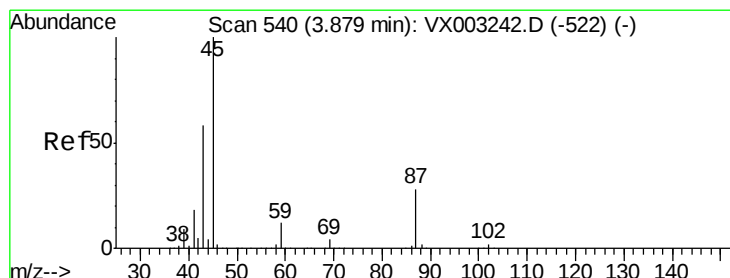
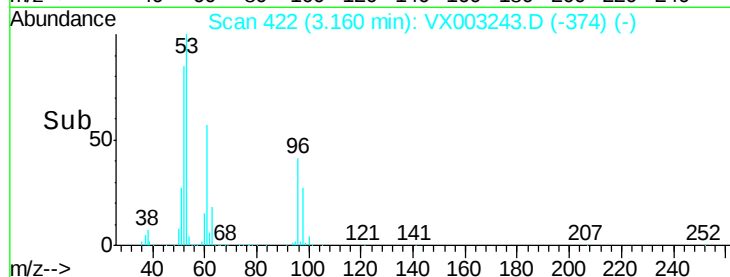
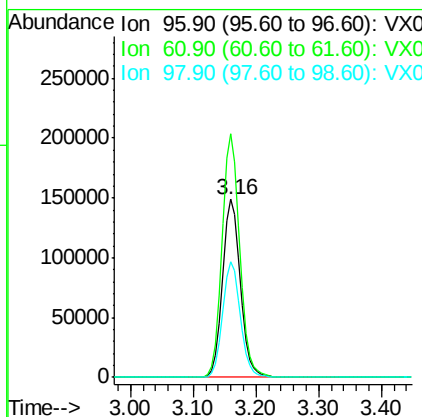
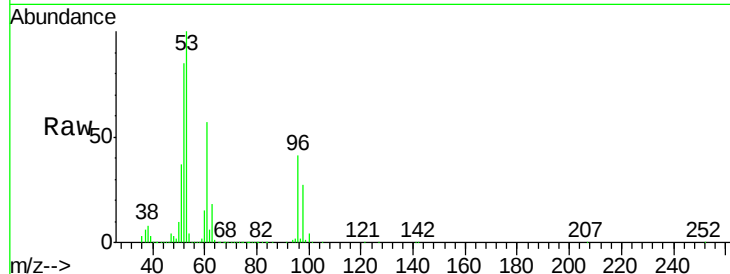
#21
trans-1,2-Dichloroethene
Concen: 102.00 ug/l
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	117.0	175.4
98	64.9	52.4	78.6

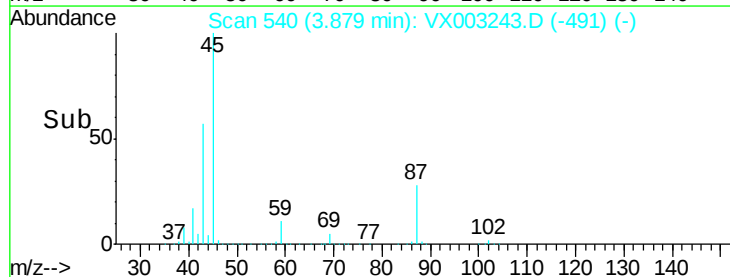
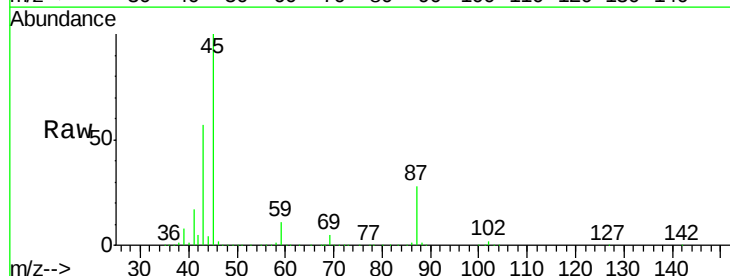
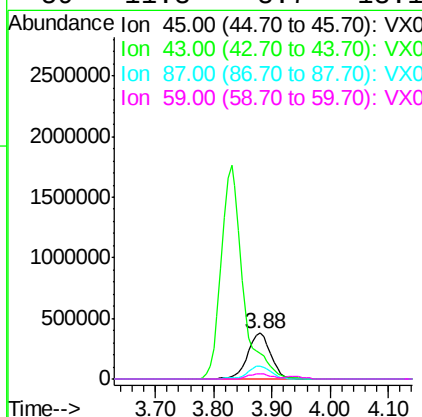
Manual Integrations
APPROVED

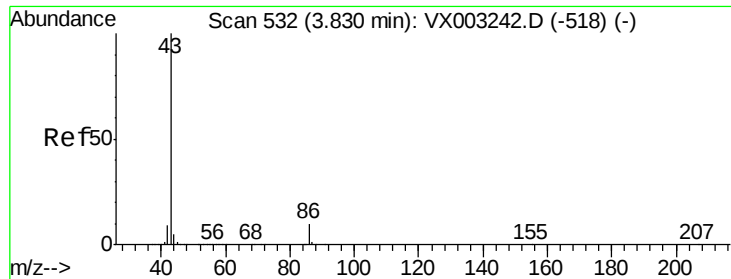
MMDadoda
7/10/2018 3:11:45 PM



#22
Diisopropyl ether
Concen: 105.05 ug/l
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.6	46.8	70.2
87	28.0	20.2	30.4
59	11.3	8.7	13.1





#23

Vinyl Acetate

Concen: 541.32 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4552843

Ion Ratio Lower Upper

43 100

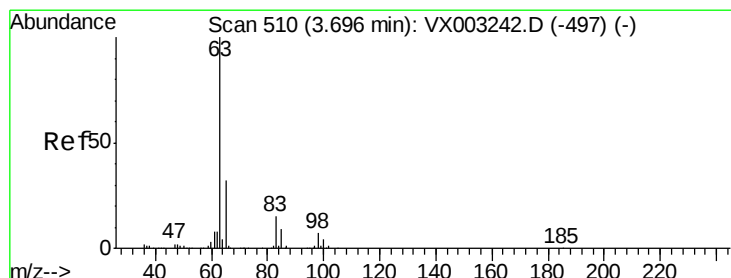
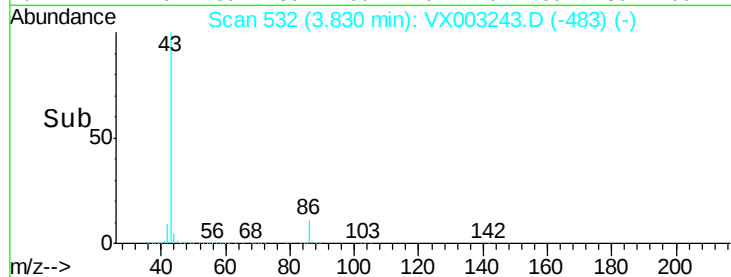
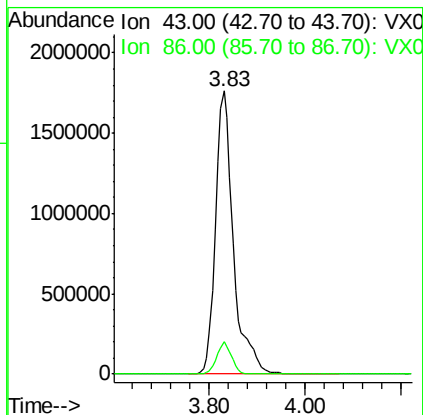
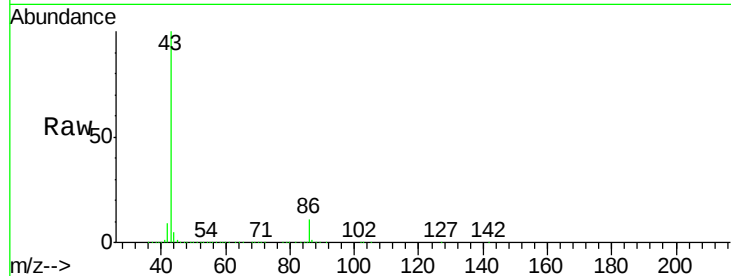
86 11.4 7.4 11.0#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 98.77 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

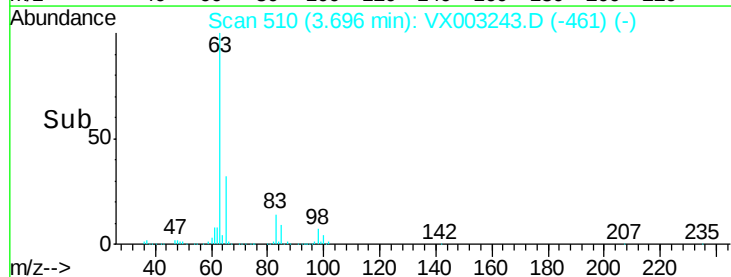
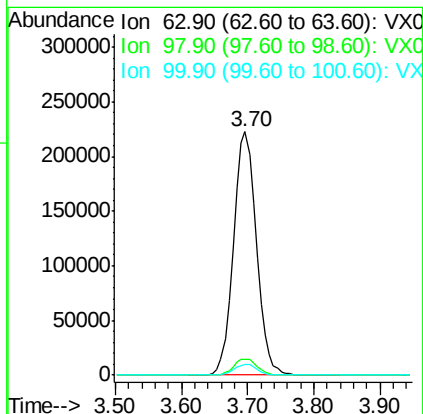
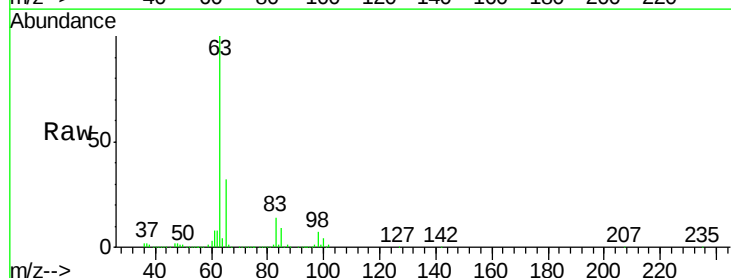
Tgt Ion: 63 Resp: 533218

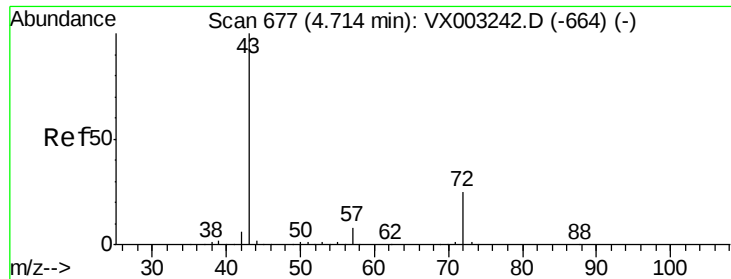
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 544.87 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1237181

Ion Ratio Lower Upper

43 100

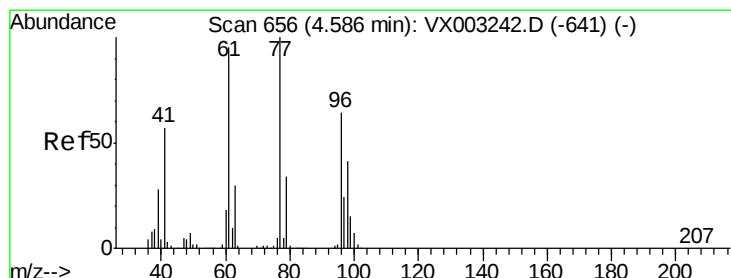
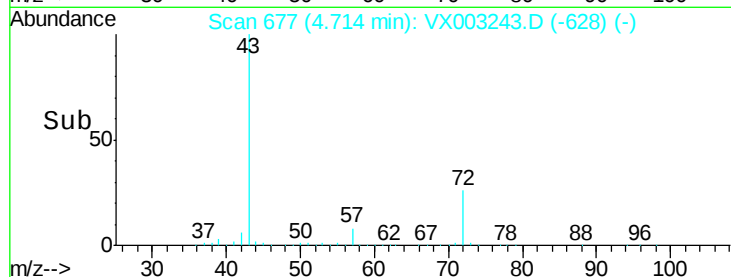
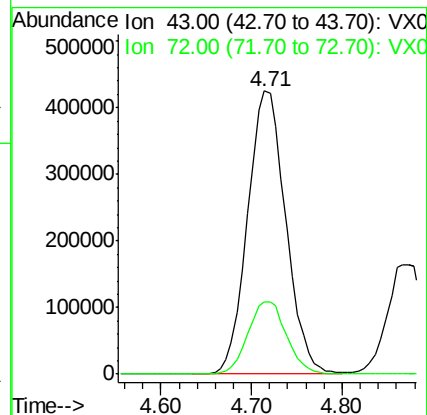
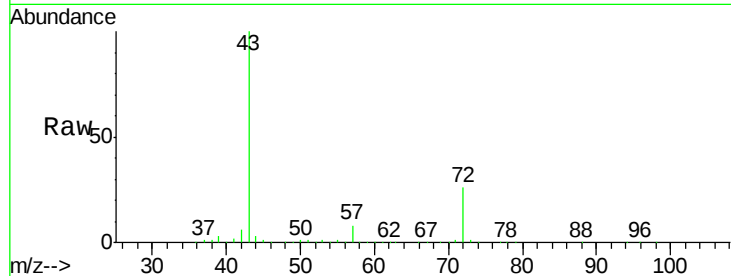
72 25.5 18.5 27.7

Manual Integrations

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7/10/2018 3:11:45 PM



#26

2,2-Dichloropropane

Concen: 112.11 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003243.D

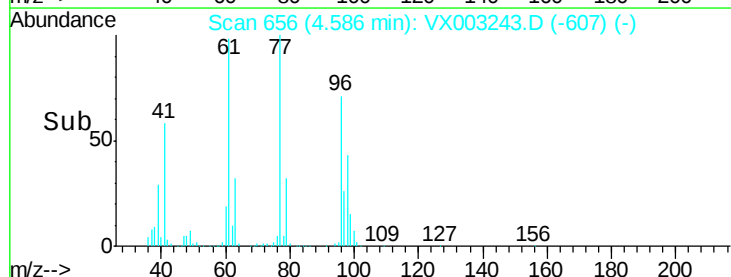
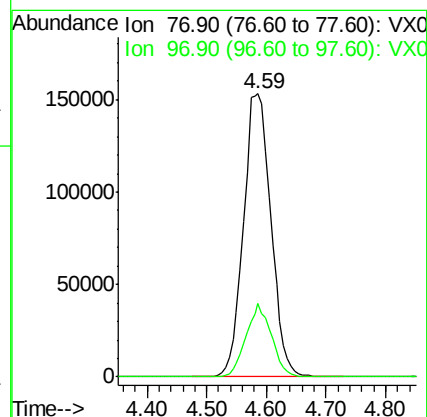
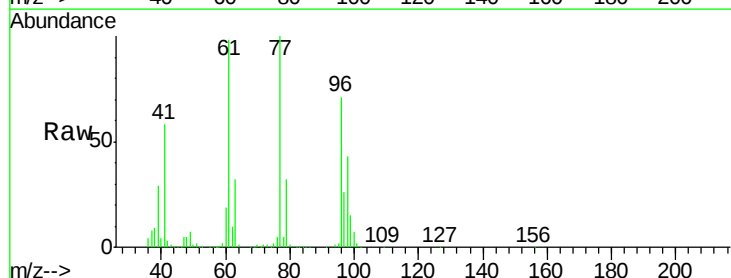
Acq: 09 Jul 2018 13:09

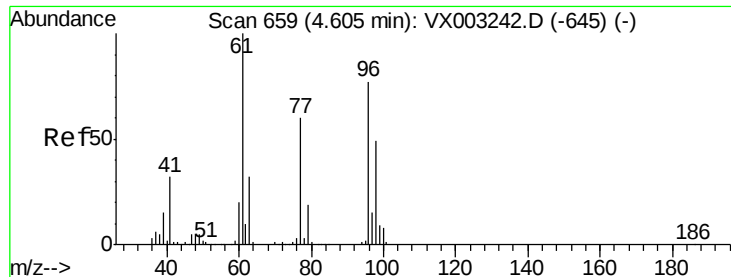
Tgt Ion: 77 Resp: 492147

Ion Ratio Lower Upper

77 100

97 24.0 11.2 33.5





#27

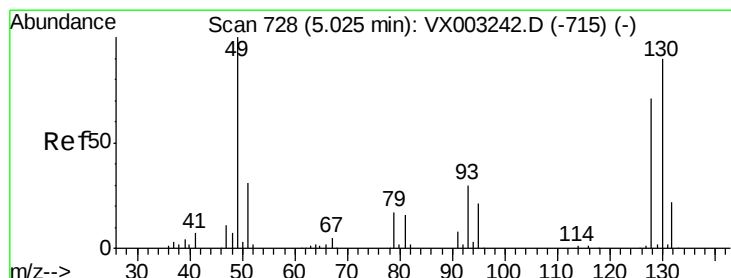
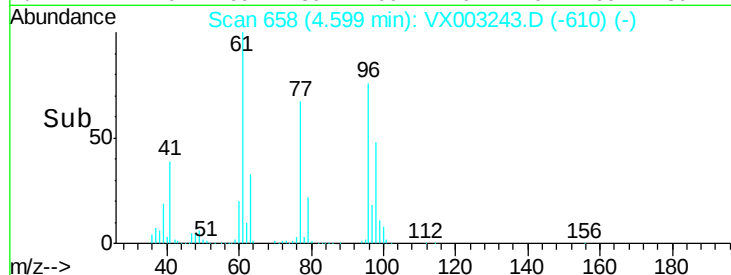
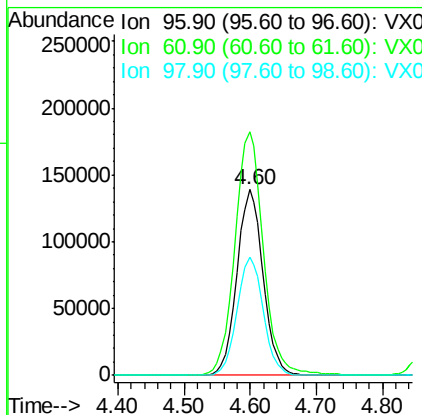
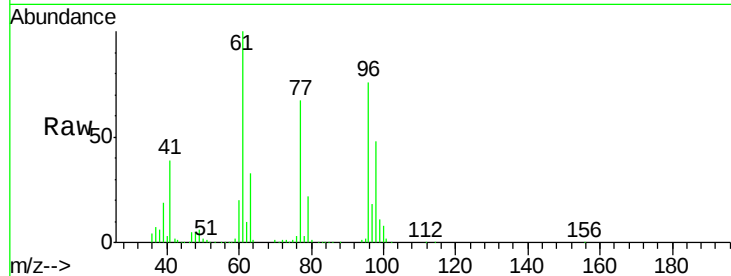
cis-1,2-Dichloroethene
Concen: 118.41 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	381183		
61	143.5	0.0	330.2	
98	64.0	0.0	130.2	

Manual Integrations
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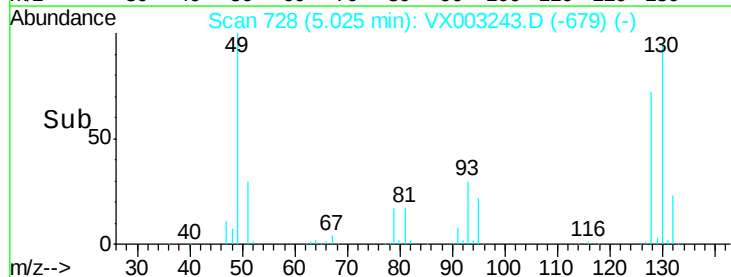
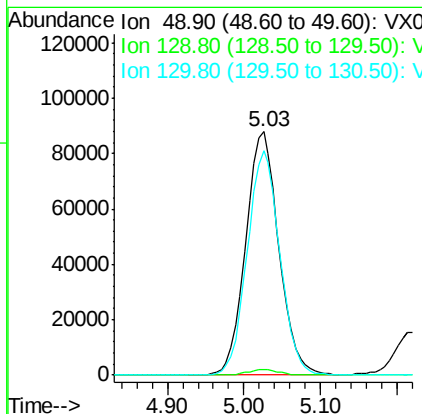
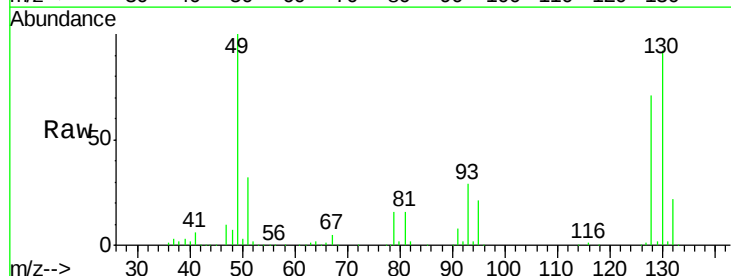
MMDadoda
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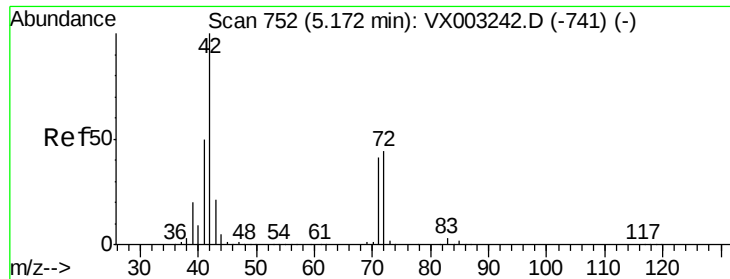


#28

Bromochloromethane
Concen: 102.49 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	264829		
129	2.3	0.0	4.2	
130	90.9	61.2	91.8	





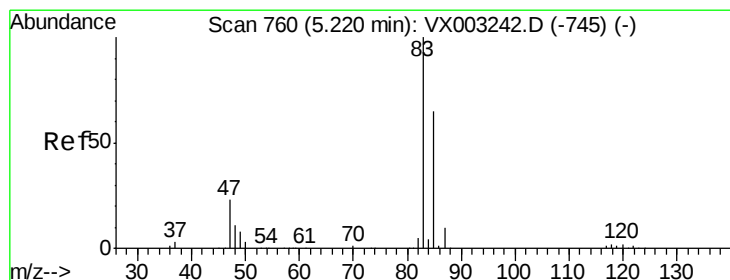
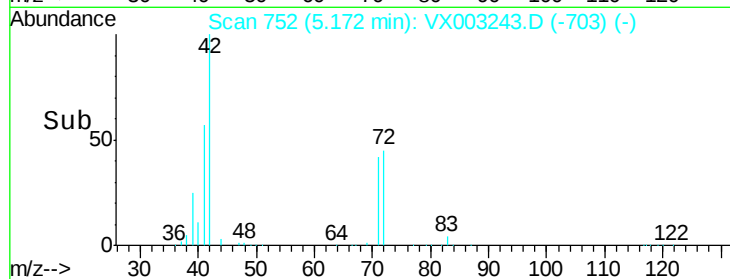
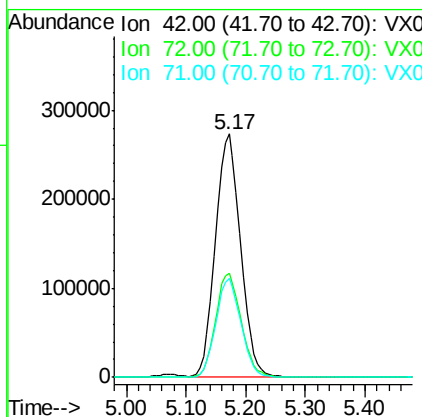
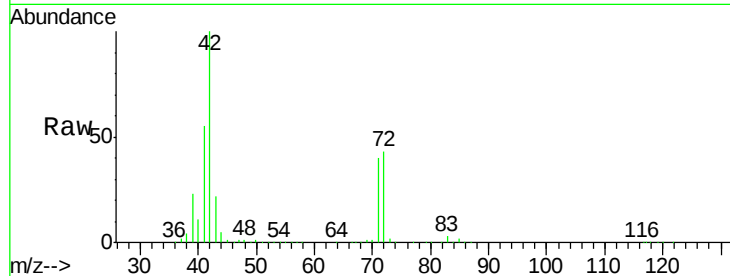
#29
Tetrahydrofuran
Concen: 547.71 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	32.0	48.0
71	40.7	30.1	45.1

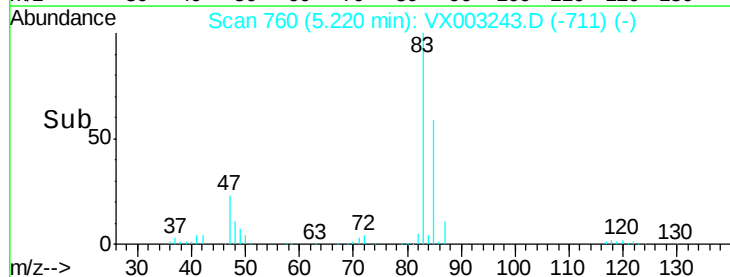
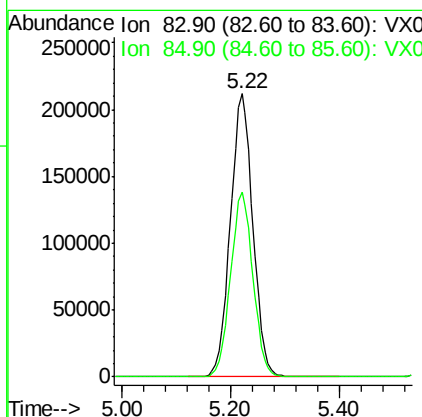
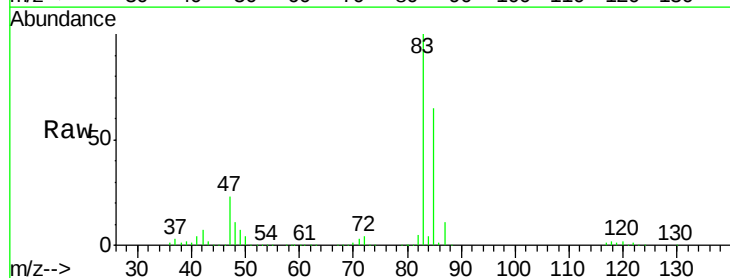
Manual Integrations
APPROVED

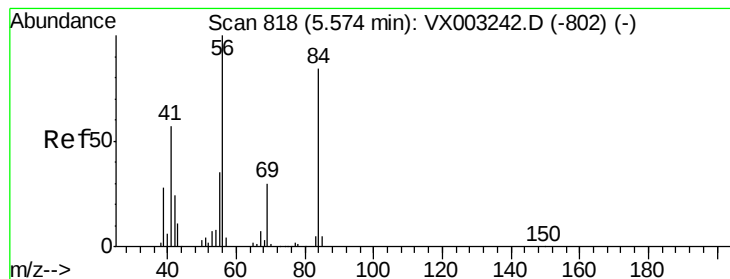
MMDadoda
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#30
Chloroform
Concen: 110.14 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.4	75.6





#31

Cyclohexane

Concen: 116.89 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

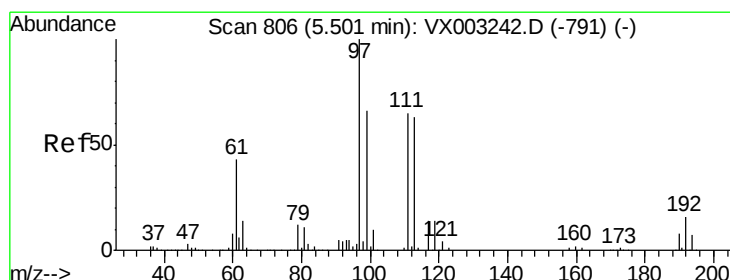
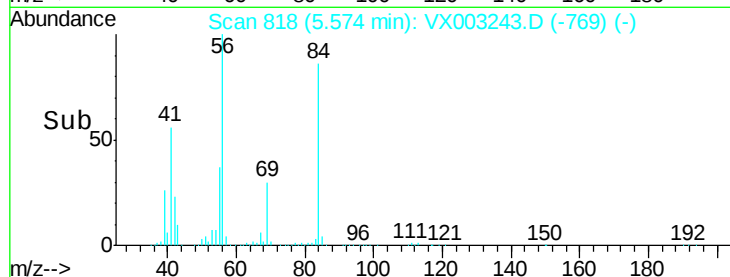
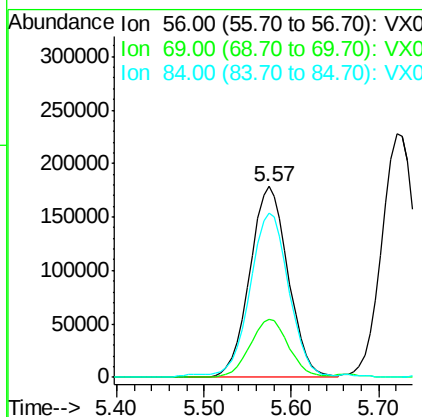
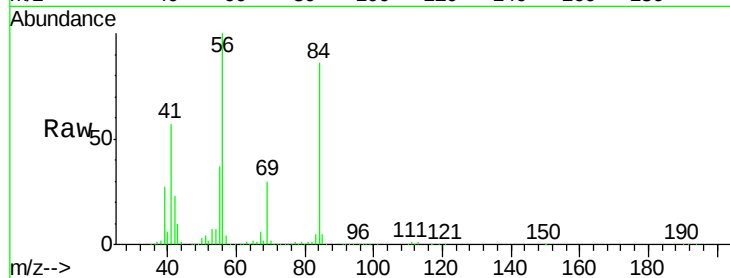
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	541580
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.7	35.5
84	84.8	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 114.65 ug/l

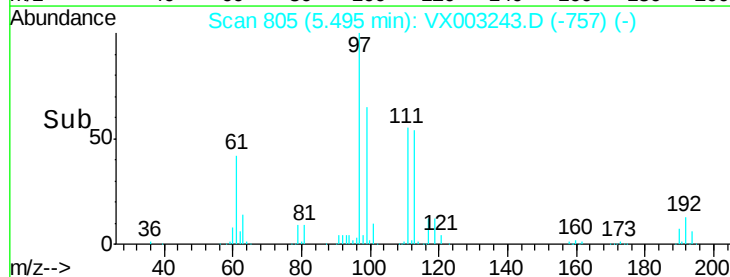
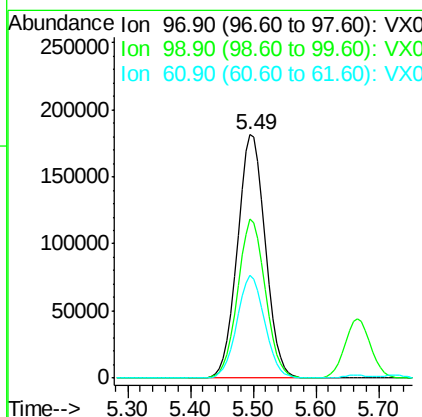
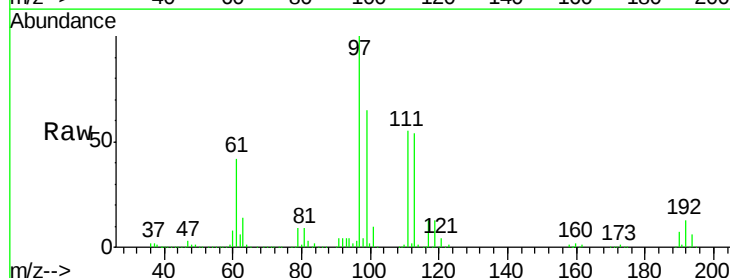
RT: 5.49 min Scan# 805

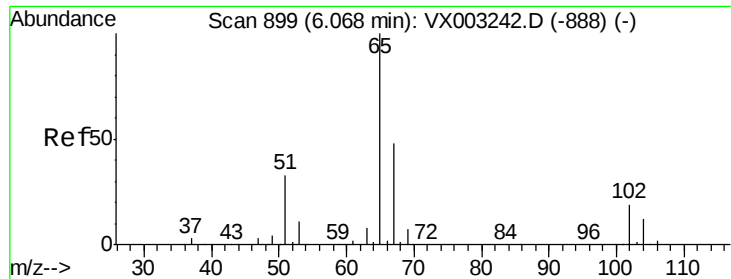
Delta R.T. -0.01 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Tgt Ion:	97	Resp:	558879
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	41.9	36.4	54.6





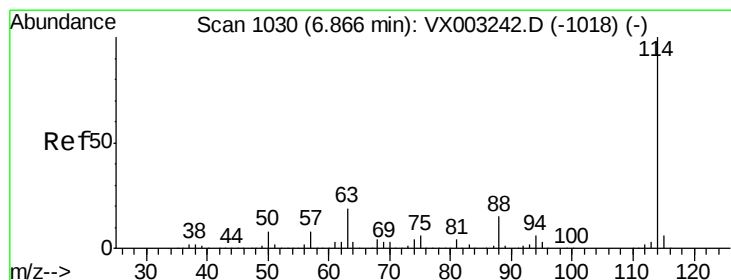
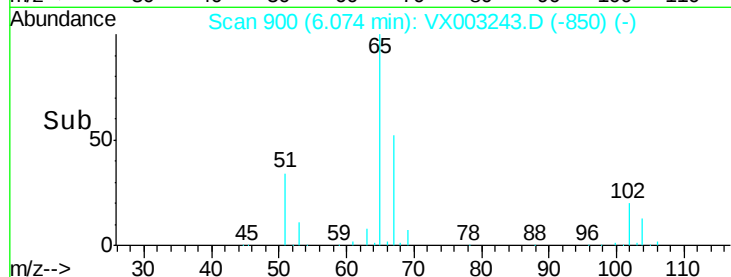
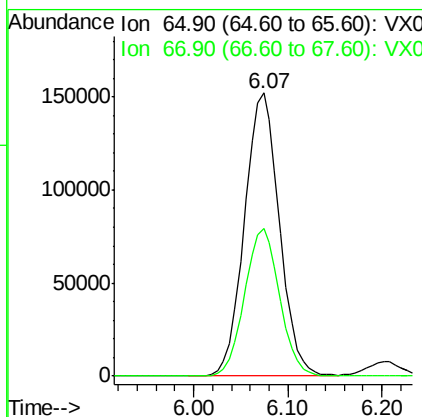
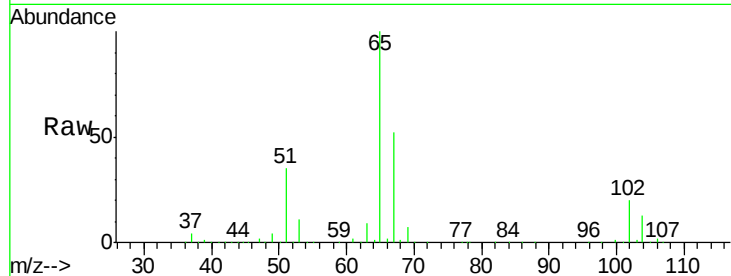
#33
 1,2-Dichloroethane-d4
 Concen: 106.90 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	394938		
67	52.2	0.0	102.6	

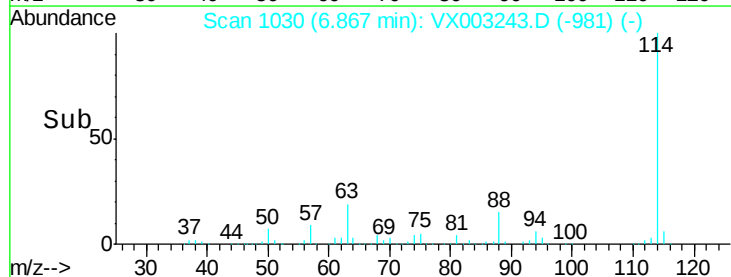
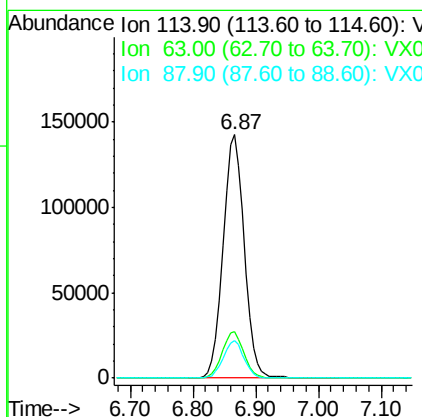
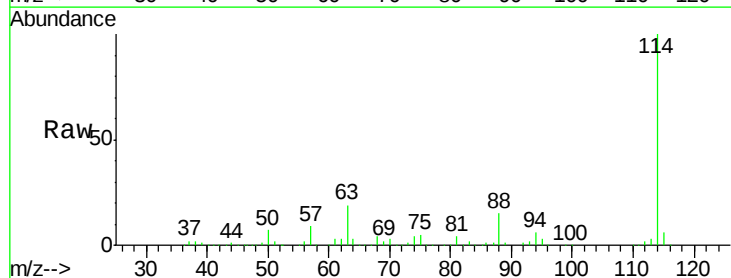
Manual Integrations
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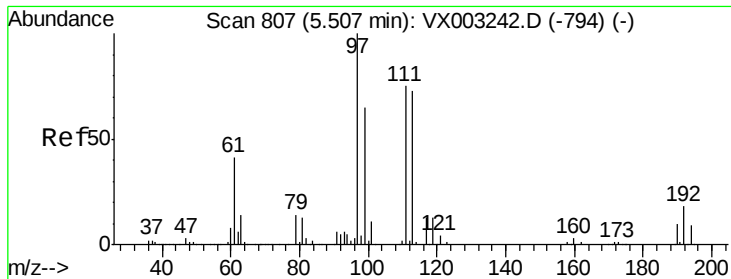
MMDadoda
 7/10/2018 3:11:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	333155		
63	19.0	0.0	41.4	
88	15.4	0.0	30.0	





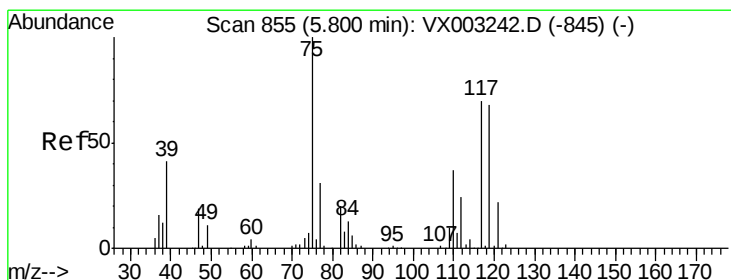
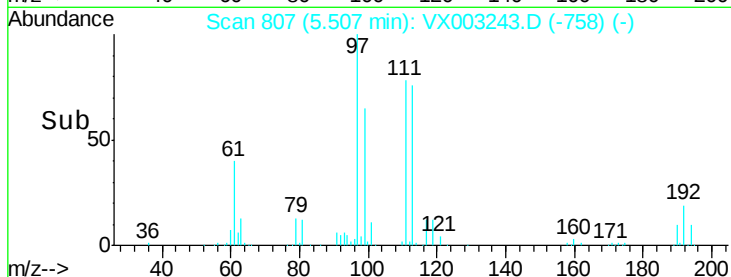
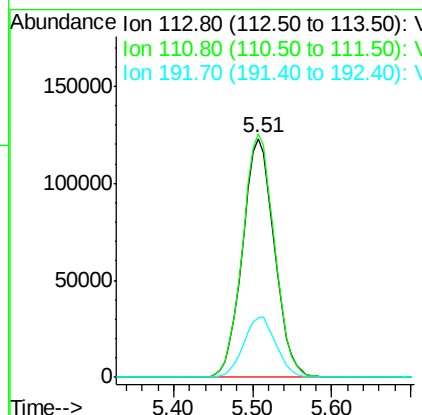
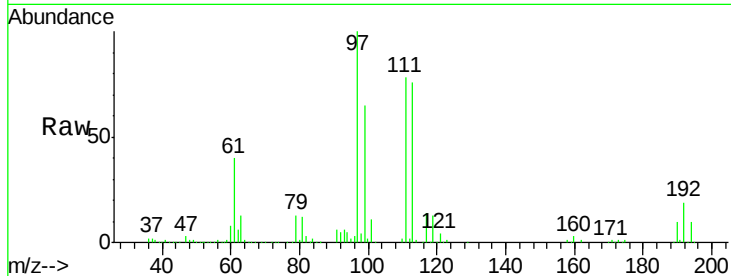
#35
 Dibromofluoromethane
 Concen: 131.13 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	345949		
111	102.1	81.4	122.0	
192	25.7	19.1	28.7	

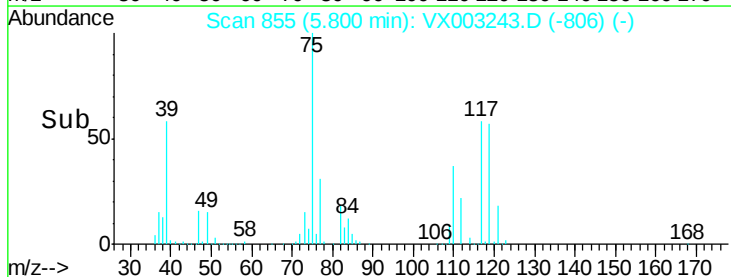
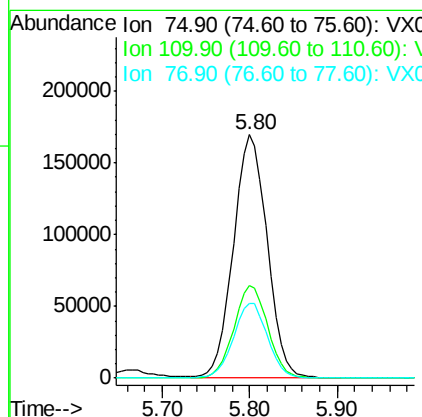
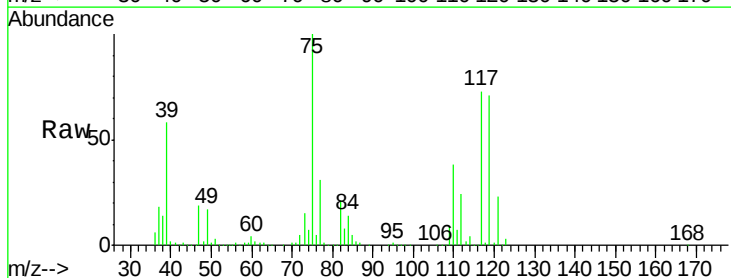
Manual Integrations
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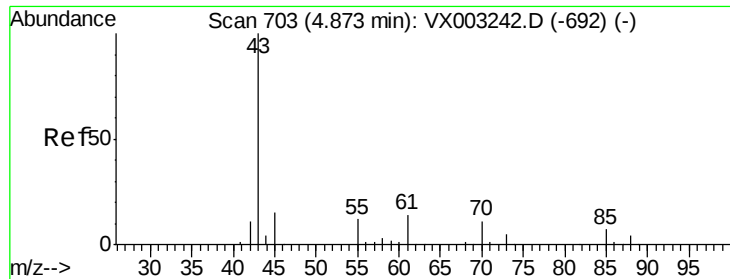
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#36
 1,1-Dichloropropene
 Concen: 124.17 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	453645		
110	38.2	18.1	54.4	
77	31.0	24.3	36.5	





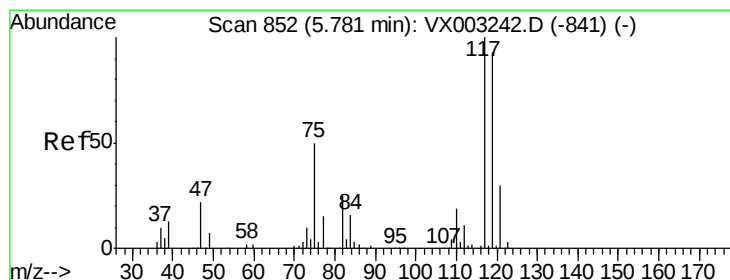
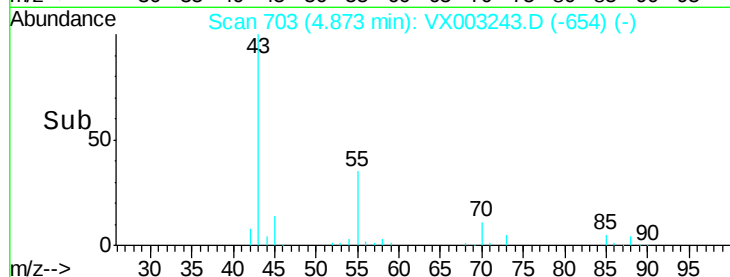
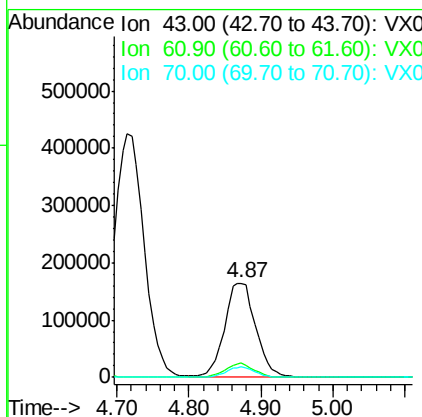
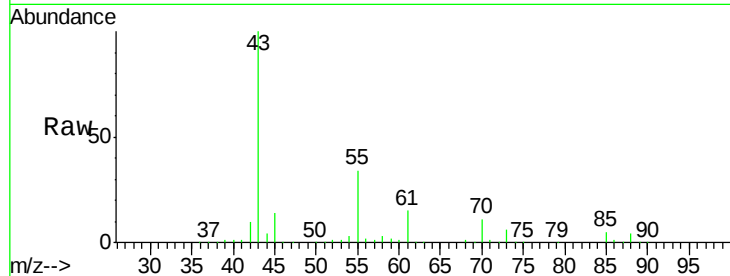
#37
Ethyl Acetate
Concen: 125.41 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	10.2	7.6	11.4

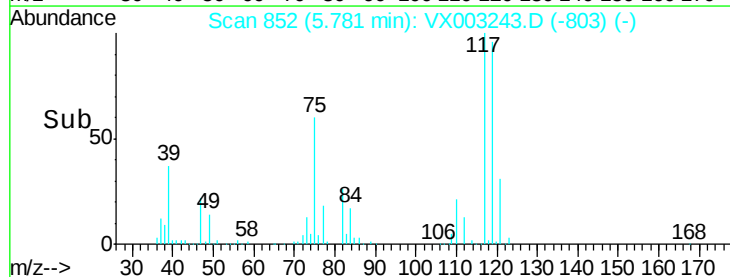
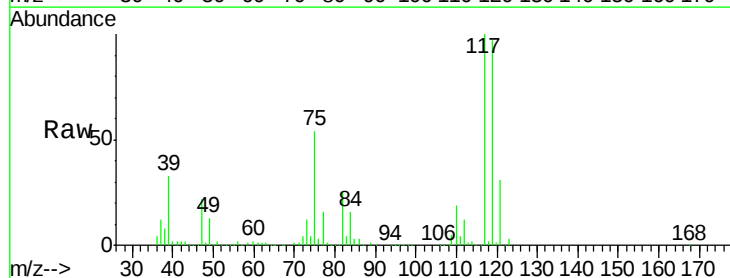
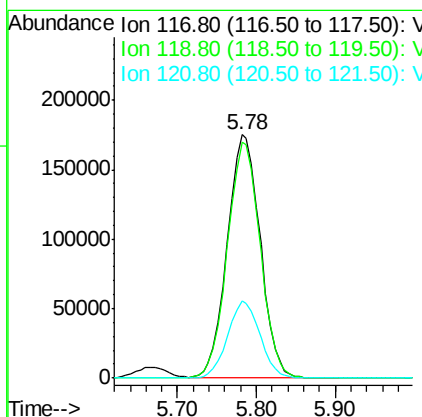
Manual Integrations
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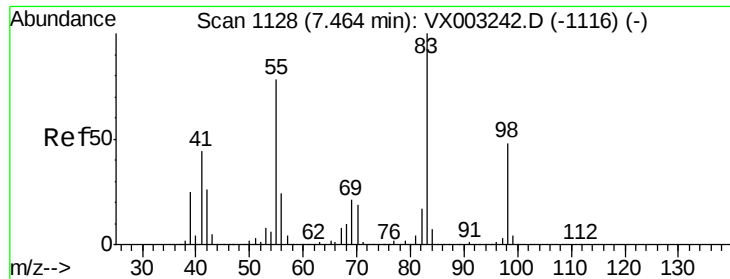
MMDadoda
7/10/2018 3:11:45 PM



#38
Carbon Tetrachloride
Concen: 127.12 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.4	116.0
121	31.5	24.4	36.6





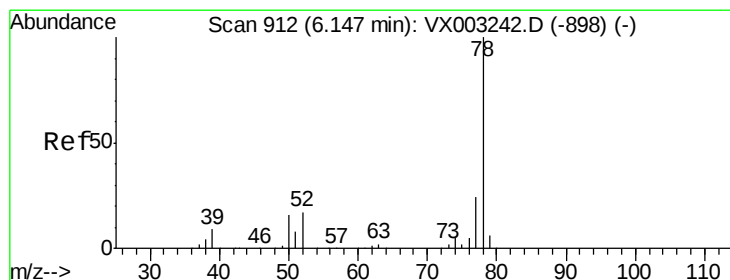
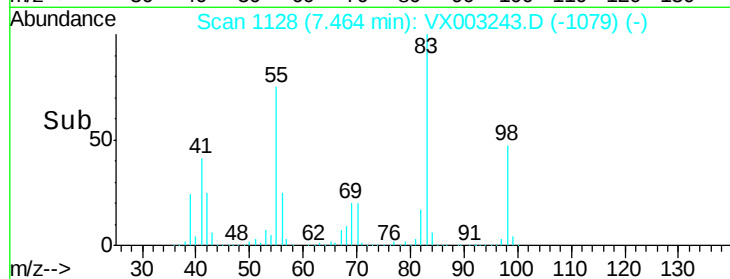
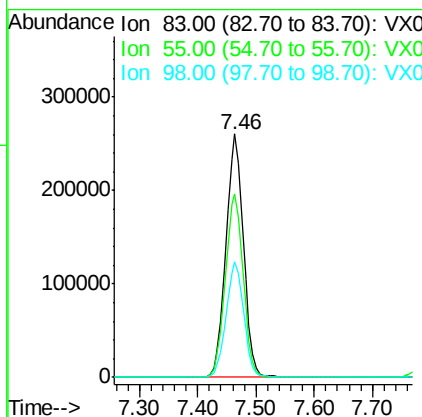
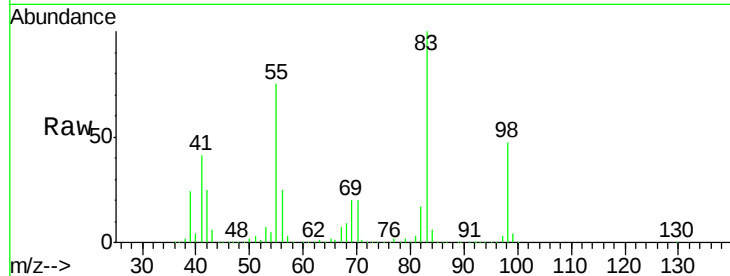
#39
Methvlcvclohexane
Concen: 128.20 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	545574		
55	75.3		65.4	98.0
98	47.3		37.4	56.0

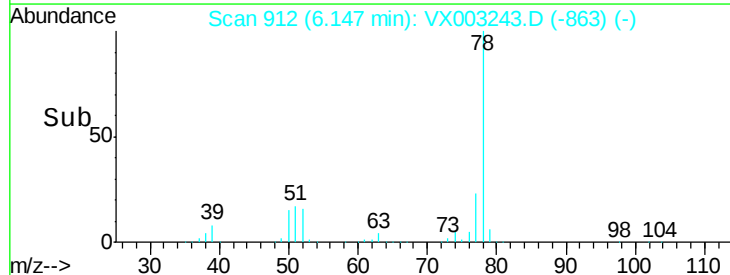
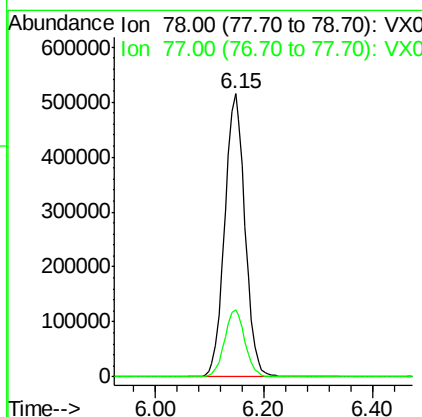
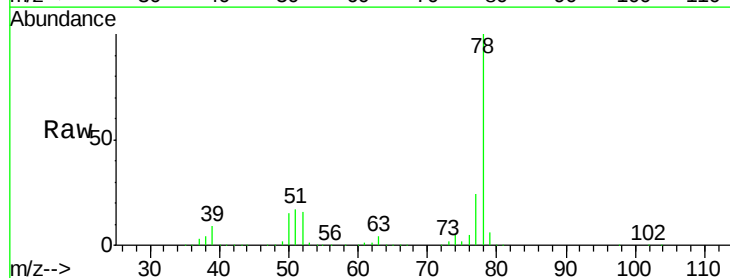
Manual Integrations
APPROVED

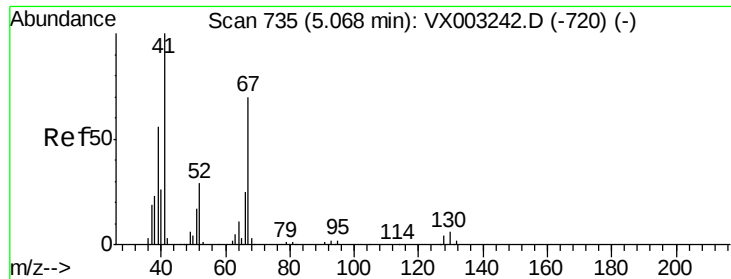
MMDadoda
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#40
Benzene
Concen: 125.75 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1334899		
77	23.7		19.1	28.7





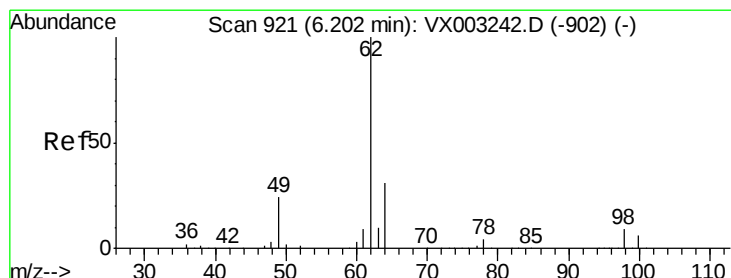
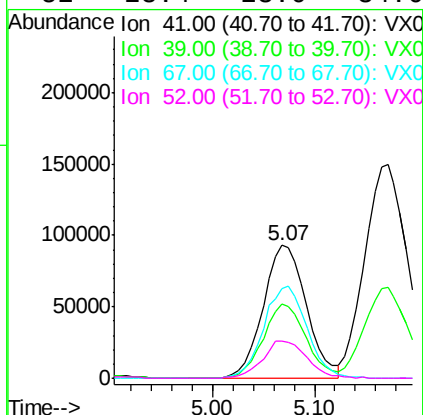
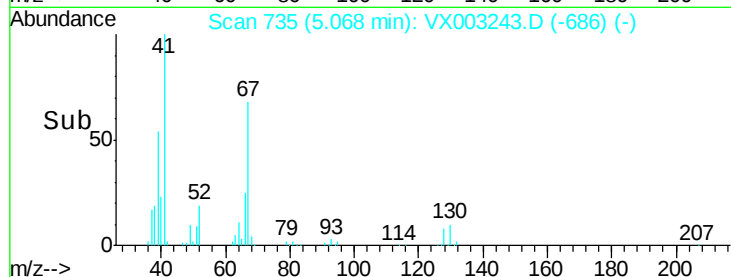
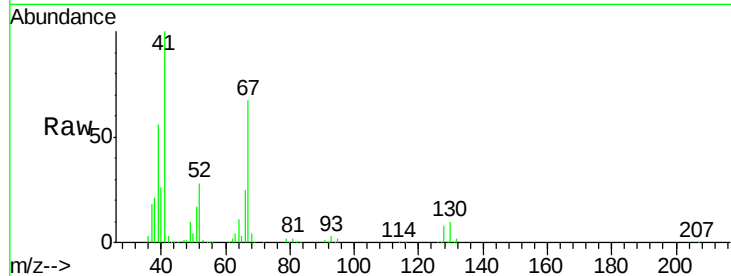
#41
Methacrylonitrile
Concen: 120.90 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		273861		
39	55.4	45.8	68.6		
67	69.6	51.3	76.9		
52	28.4	23.0	34.6		

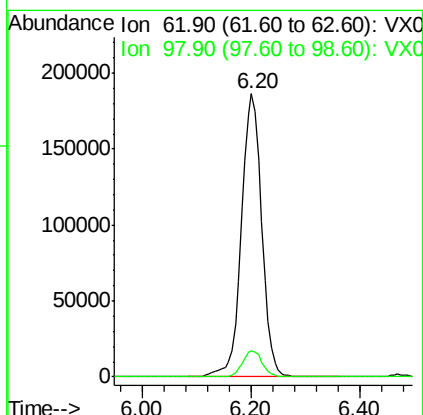
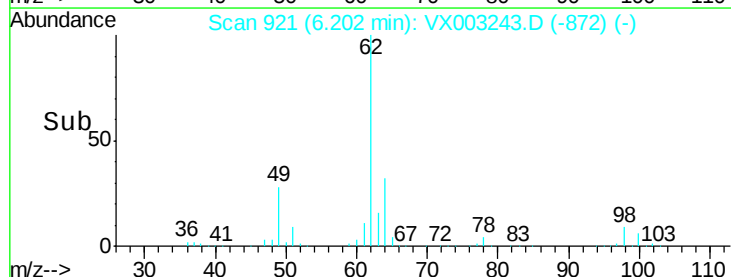
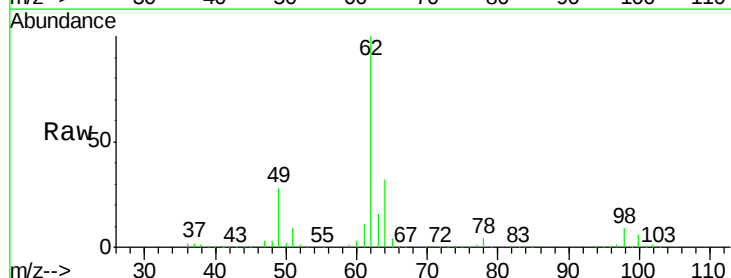
Manual Integrations
APPROVED

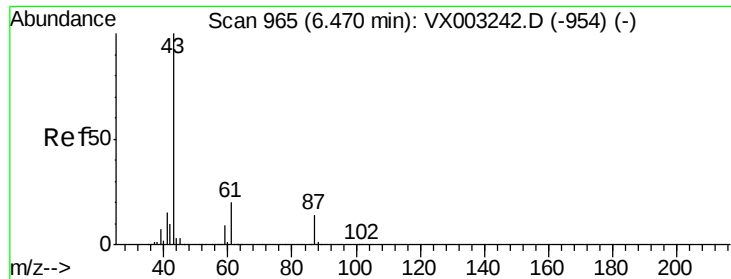
MMDadoda
7/10/2018 3:11:45 PM



#42
1,2-Dichloroethane
Concen: 112.84 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		483860		
98	9.1	0.0	16.6		





#43

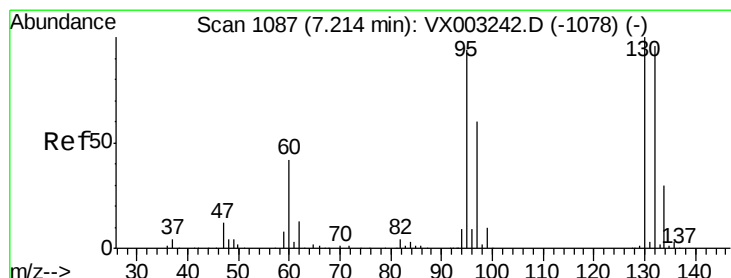
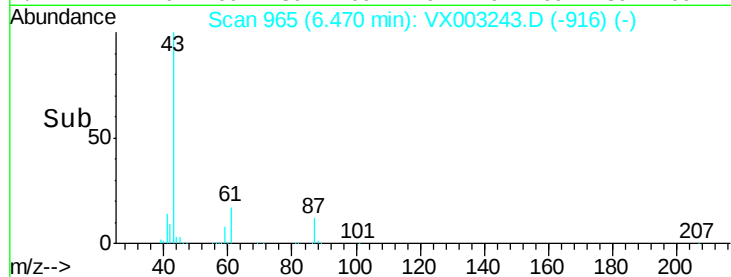
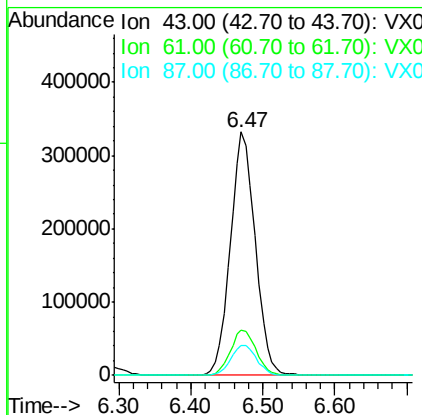
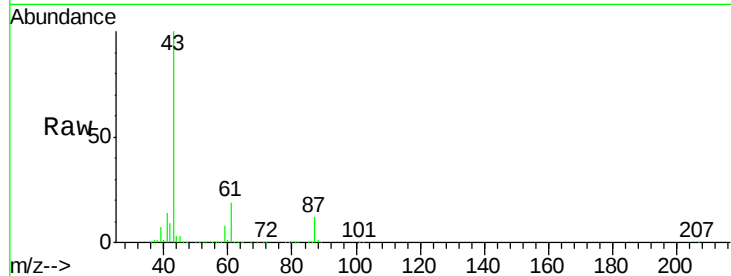
Isopropyl Acetate
 Concen: 120.85 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.4	21.6
87	13.0	9.5	14.3

Manual Integrations
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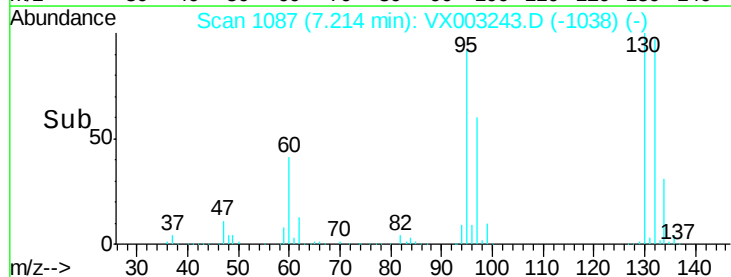
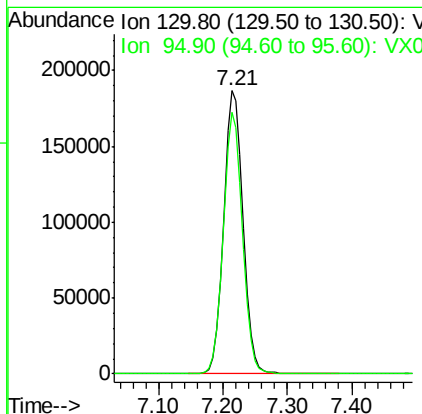
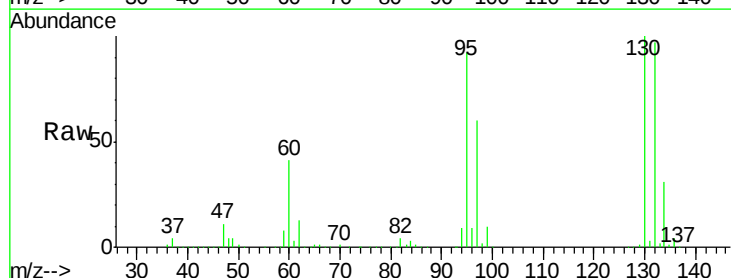
MMDadoda
 7/10/2018 3:11:45 PM

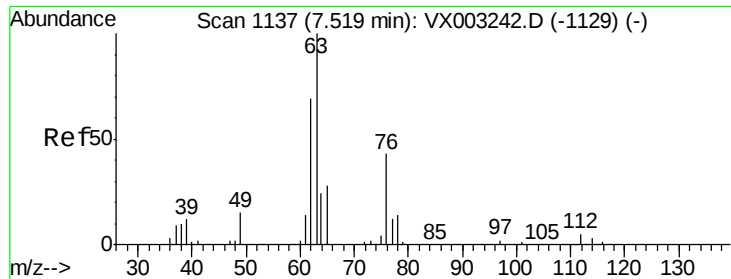


#44

Trichloroethene
 Concen: 125.56 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	185.4





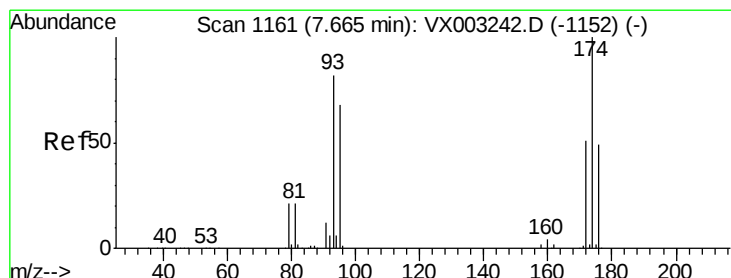
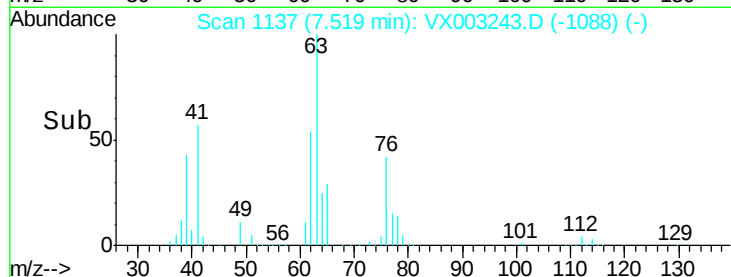
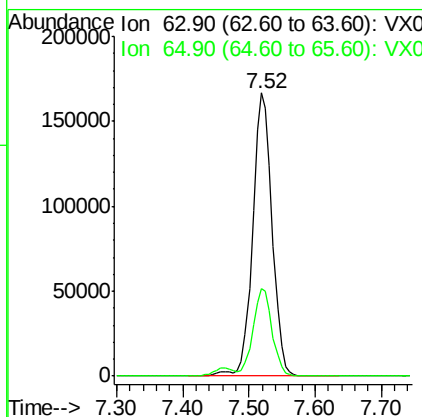
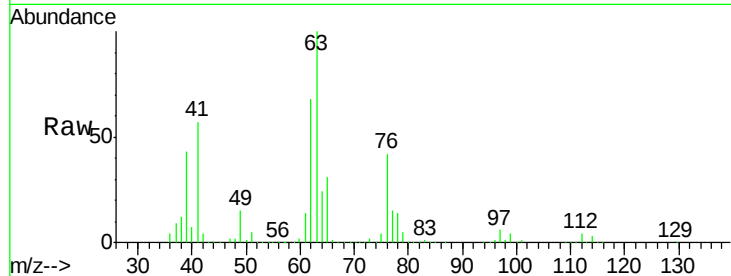
#45
1,2-Dichloropropane
Concen: 122.10 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.7	37.1

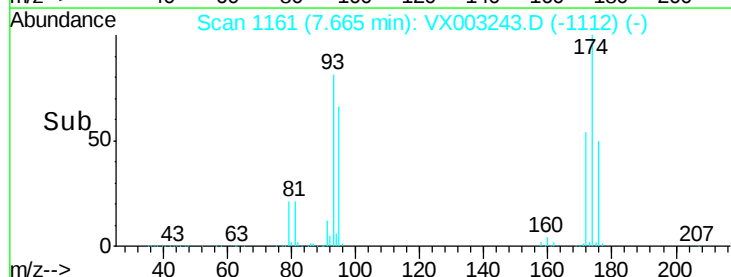
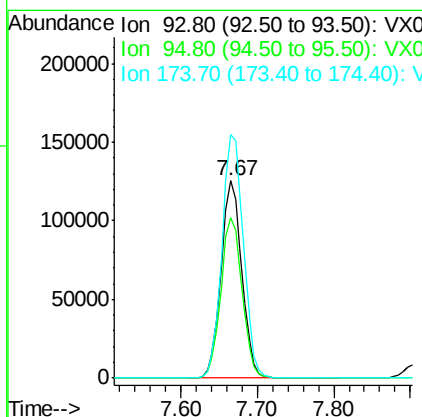
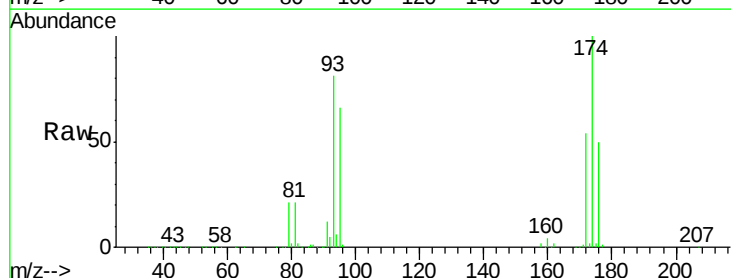
Manual Integrations
APPROVED

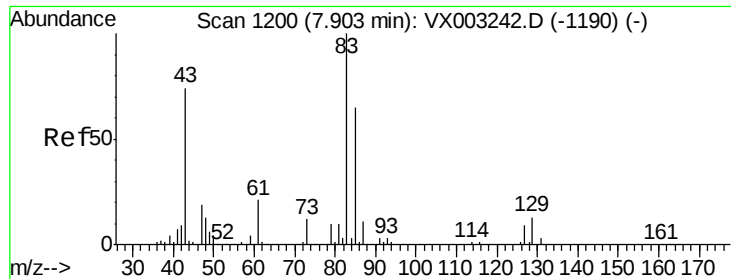
MMDadoda
7/10/2018 3:11:45 PM



#46
Dibromomethane
Concen: 121.02 ug/l
RT: 7.67 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.9	98.9
174	126.9	92.4	138.6





#47

Bromodichloromethane

Concen: 127.13 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 459278

Ion Ratio Lower Upper

83 100

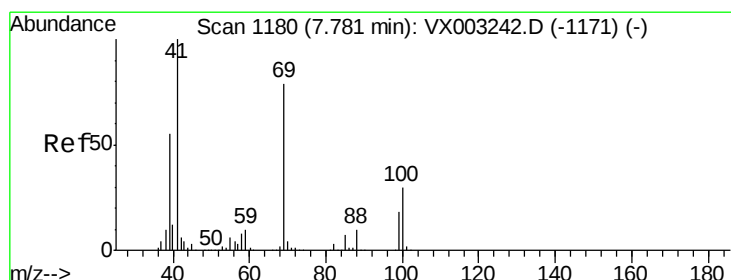
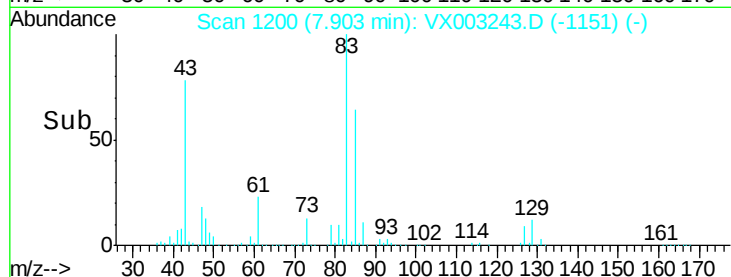
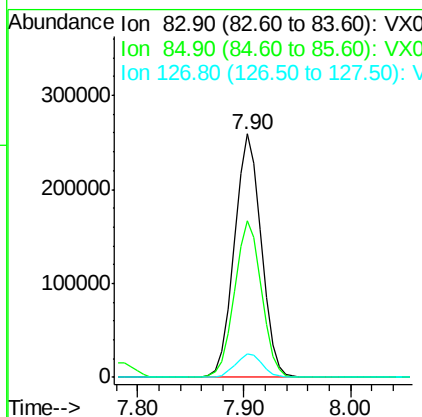
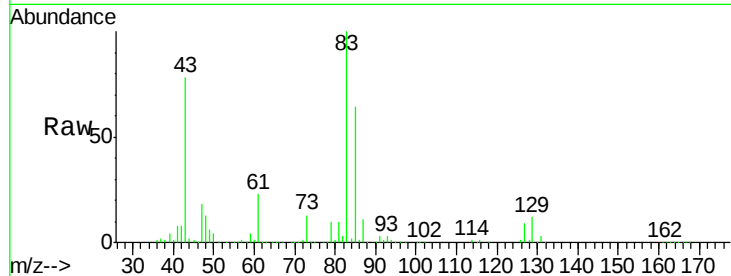
85 64.2 50.3 75.5

127 9.4 7.0 10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 122.29 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

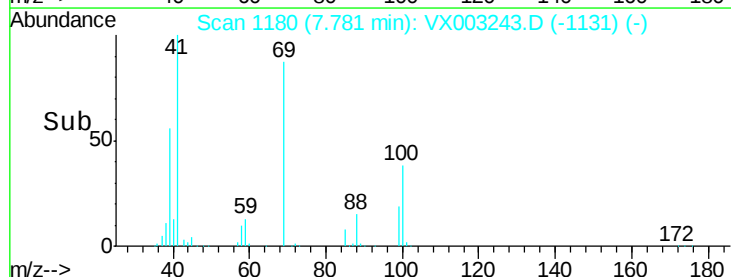
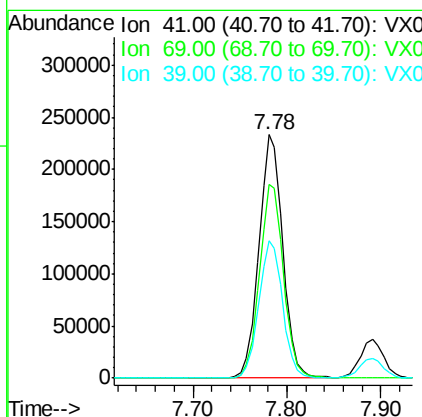
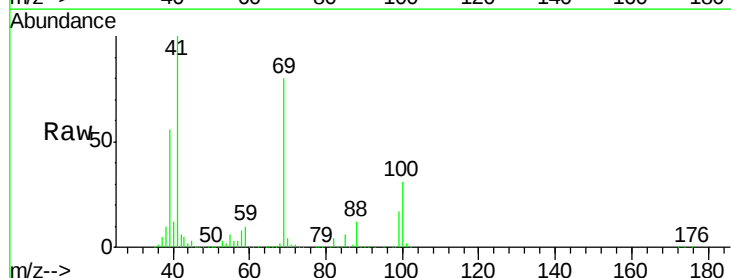
Tgt Ion: 41 Resp: 415711

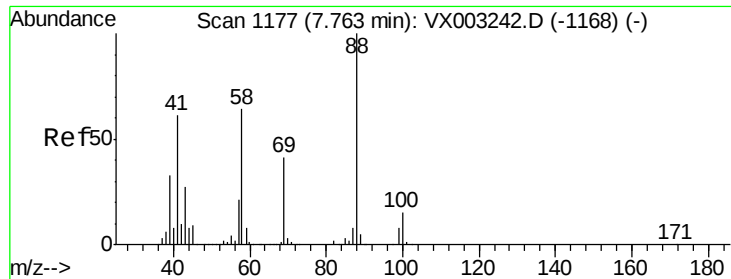
Ion Ratio Lower Upper

41 100

69 80.5 59.1 88.7

39 56.3 48.9 73.3





#49

1,4-Dioxane

Concen: 2471.59 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

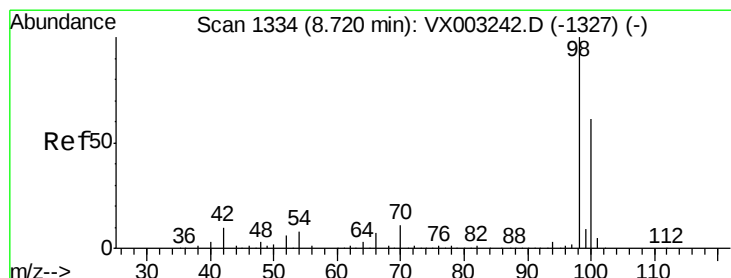
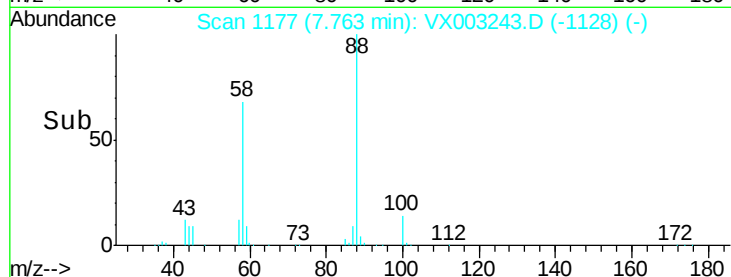
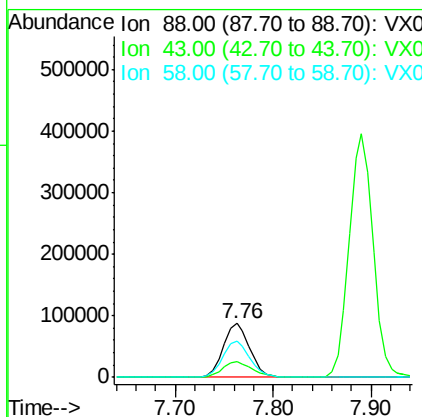
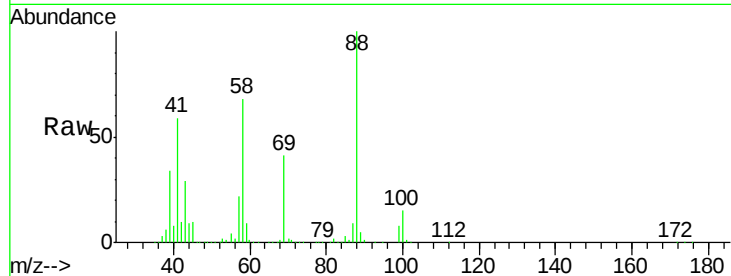
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	163461
Ion	Ratio	Lower	Upper
88	100		
43	32.9	29.8	44.6
58	69.6	57.1	85.7

Manual Integrations
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#50

Toluene-d8

Concen: 130.52 ug/l

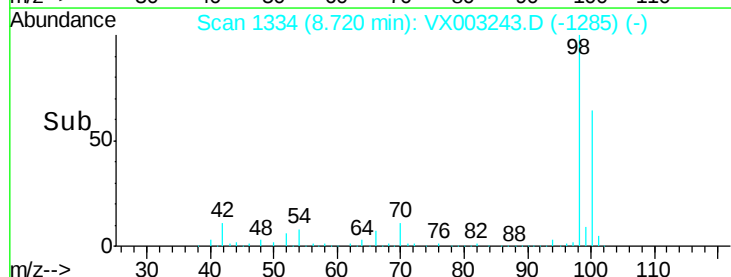
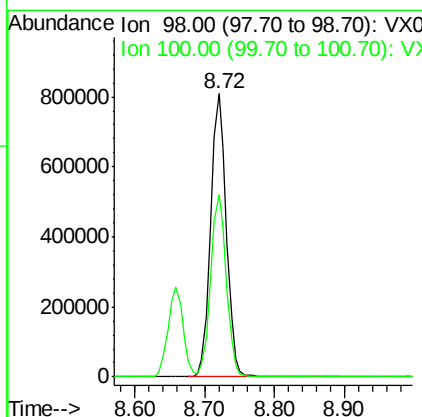
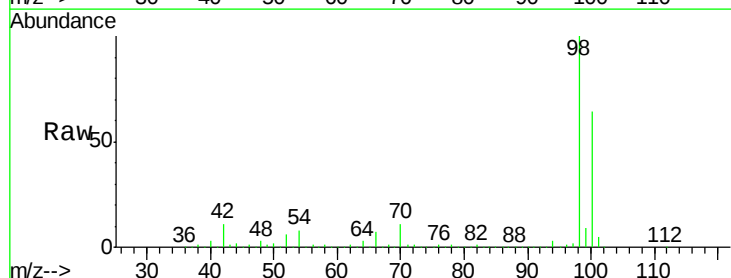
RT: 8.72 min Scan# 1334

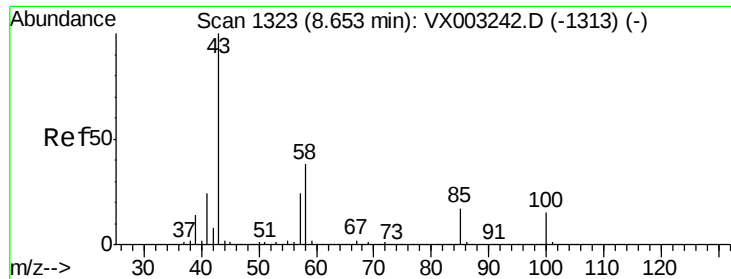
Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Tgt Ion:	98	Resp:	1257478
Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 604.20 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2493945

Ion Ratio Lower Upper

43 100

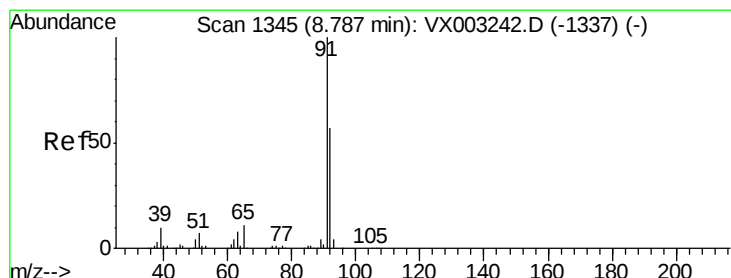
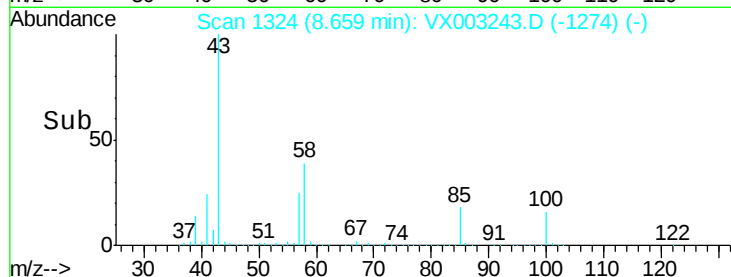
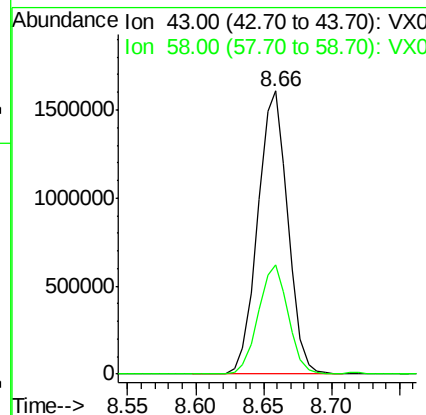
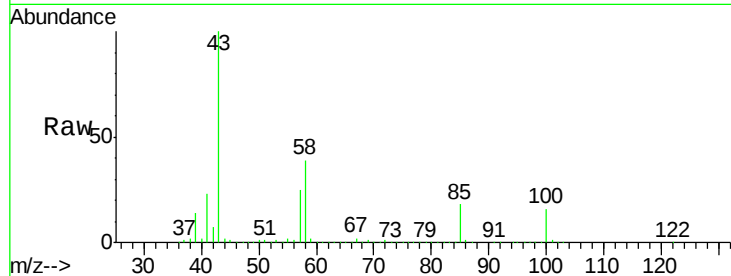
58 38.2 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 127.06 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003243.D

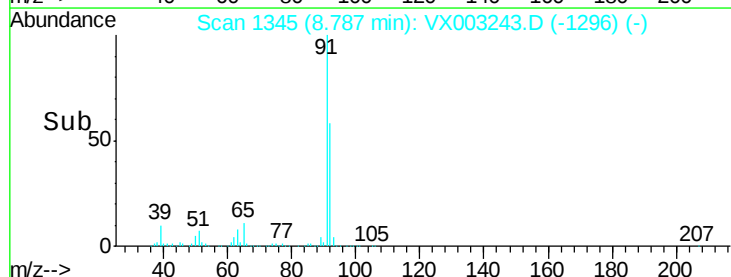
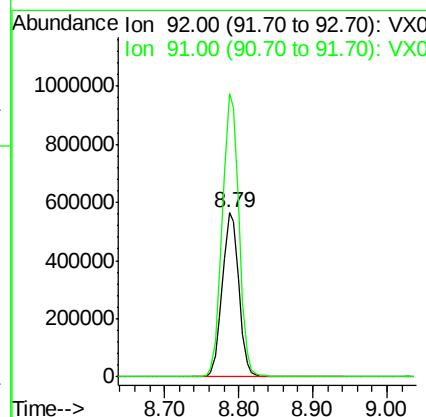
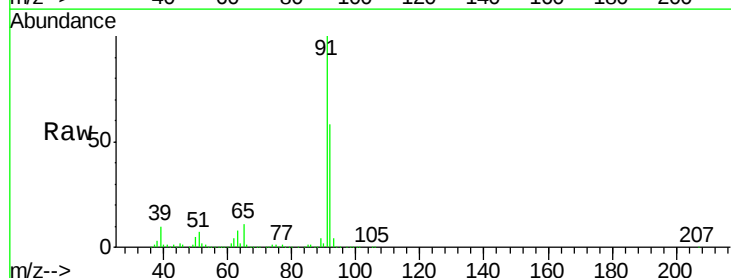
Acq: 09 Jul 2018 13:09

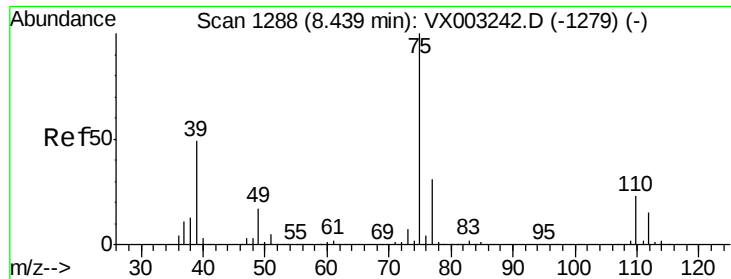
Tgt Ion: 92 Resp: 864049

Ion Ratio Lower Upper

92 100

91 173.3 140.4 210.6





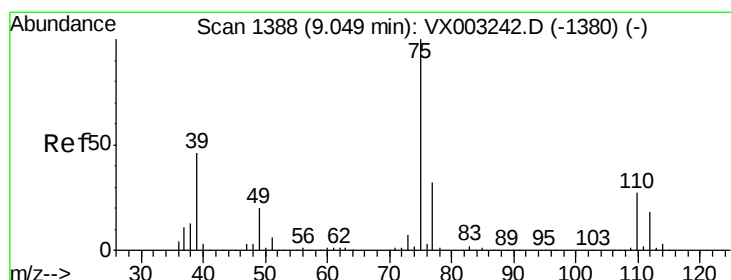
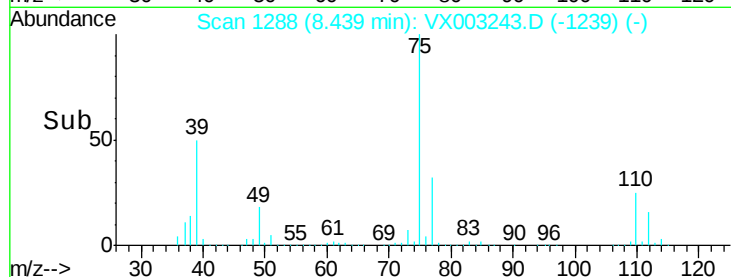
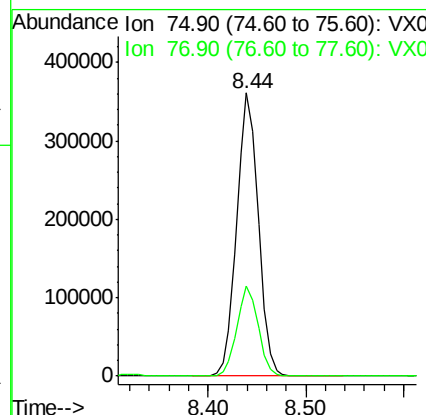
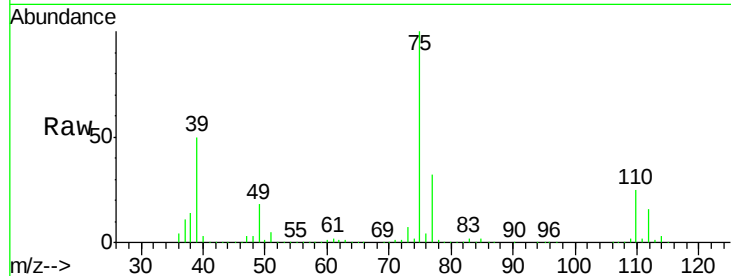
#53
t-1,3-Dichloropropene
Concen: 135.42 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

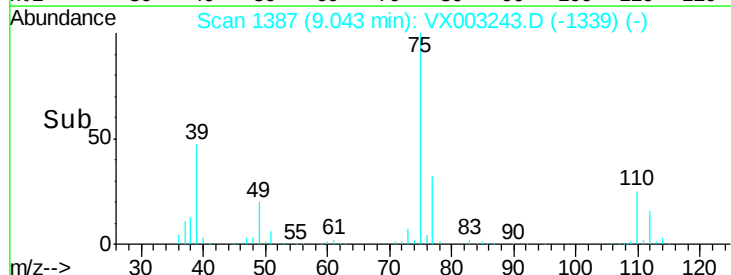
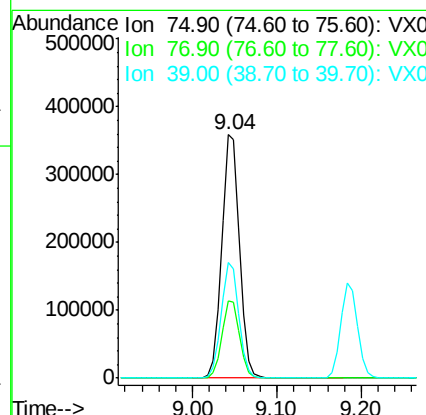
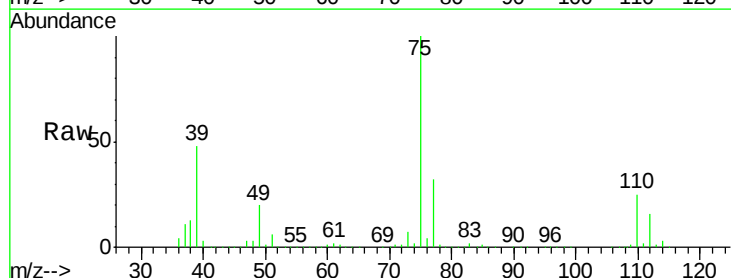
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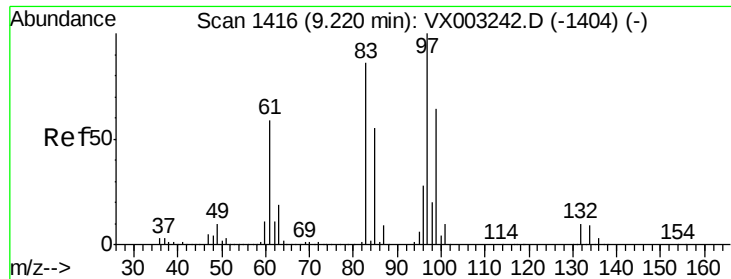
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#54
cis-1,3-Dichloropropene
Concen: 132.54 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.8	37.2
39	47.6	42.4	63.6





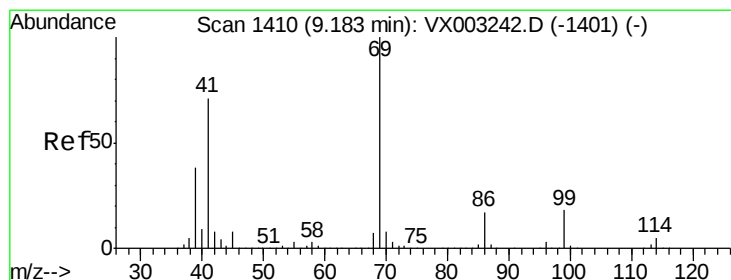
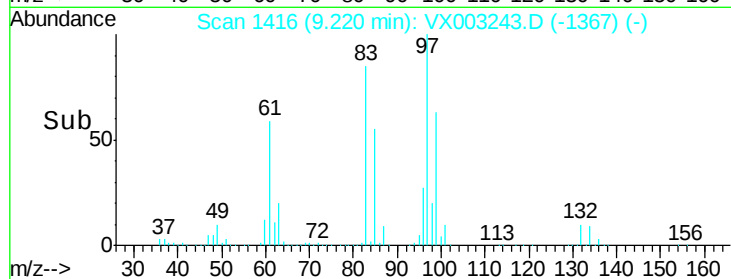
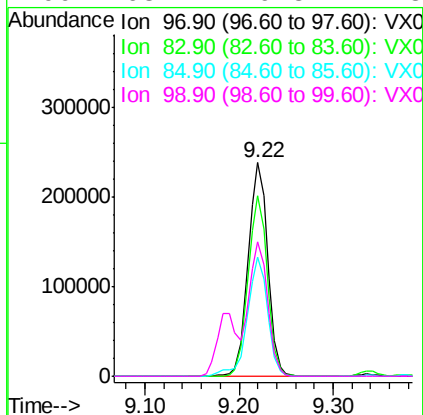
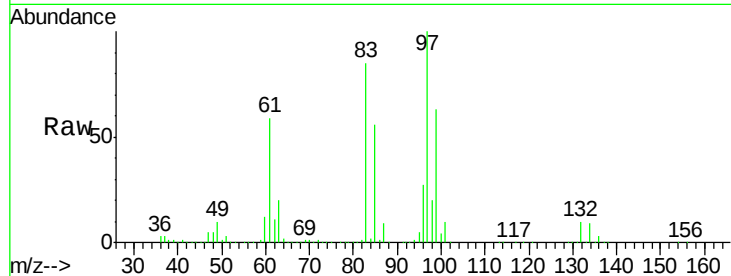
#55
 1,1,2-Trichloroethane
 Concen: 124.41 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	347660
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.2	105.2
85	55.5	44.9	67.3
99	63.1	49.8	74.8

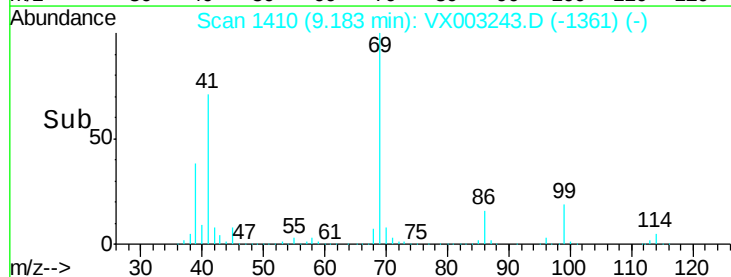
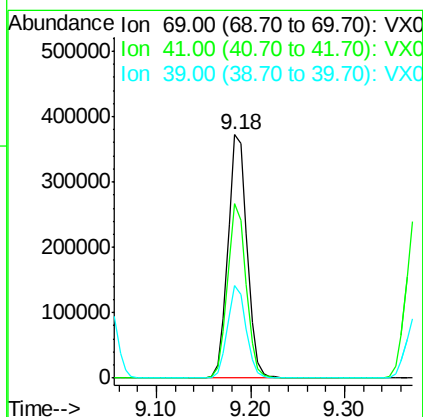
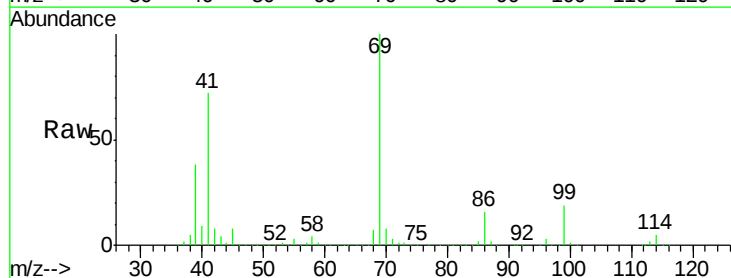
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#56
 Ethyl methacrylate
 Concen: 128.09 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Tgt Ion:	69	Resp:	523109
Ion	Ratio	Lower	Upper
69	100		
41	69.7	60.3	90.5
39	37.1	35.8	53.8





#57

1,3-Dichloropropane

Concen: 123.27 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 565760

Ion Ratio Lower Upper

76 100

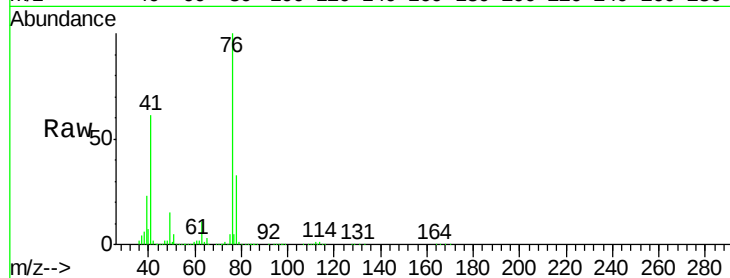
78 32.4 25.8 38.6

Manual Integrations

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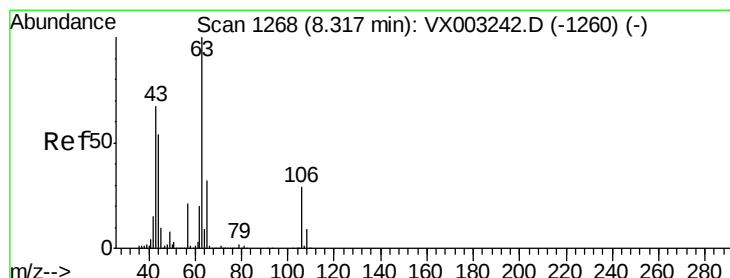
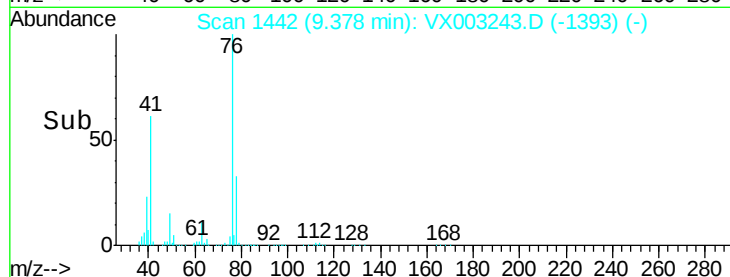
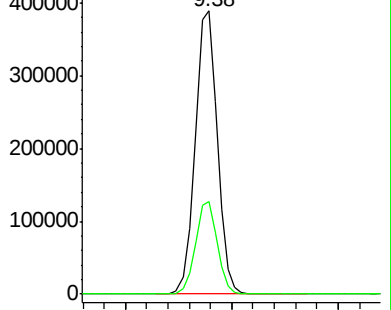
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 652.54 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003243.D

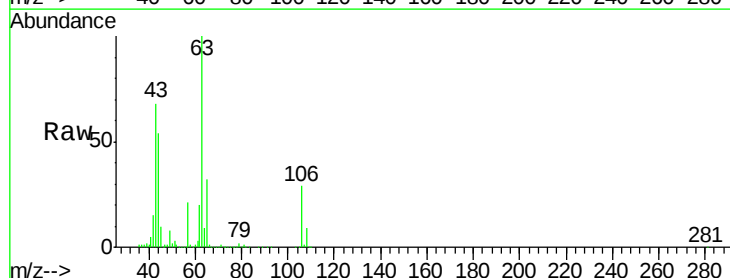
Acq: 09 Jul 2018 13:09

Tgt Ion: 63 Resp: 1285689

Ion Ratio Lower Upper

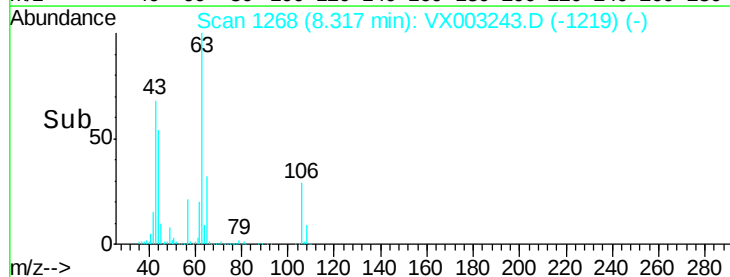
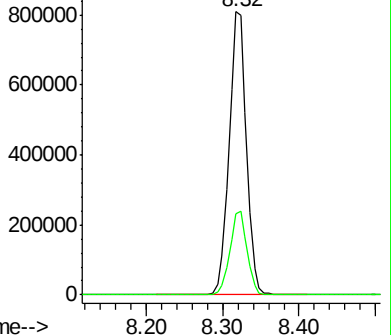
63 100

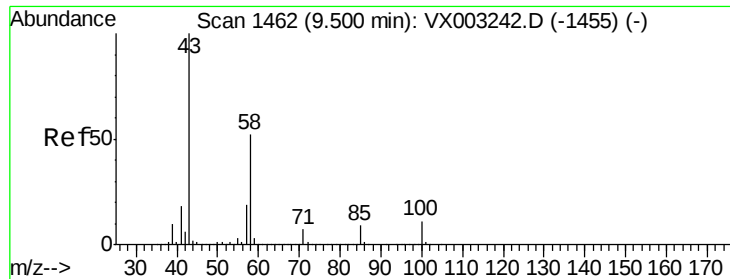
106 29.3 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





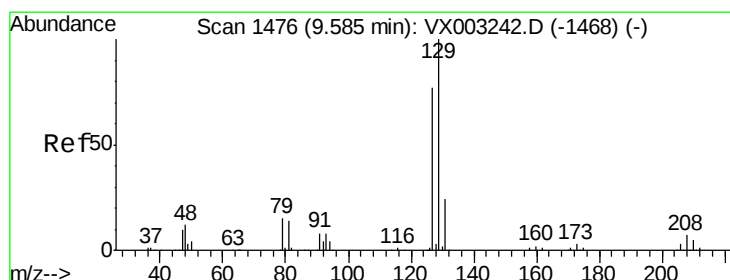
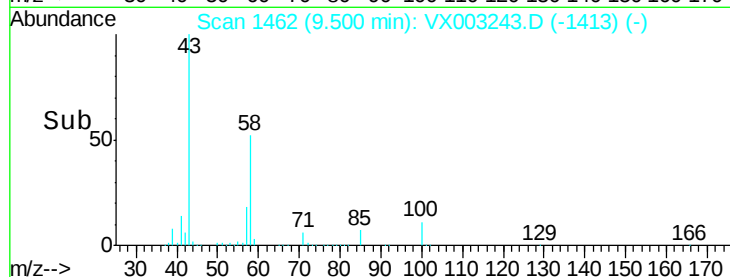
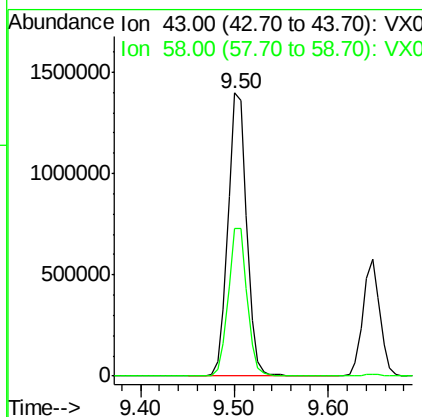
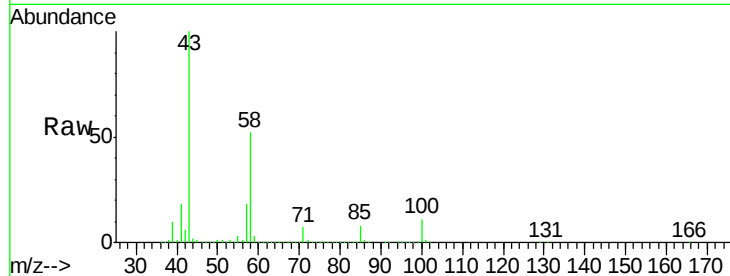
#59
2-Hexanone
Concen: 614.32 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1927148
Ion Ratio Lower Upper
43 100
58 52.6 24.6 73.6

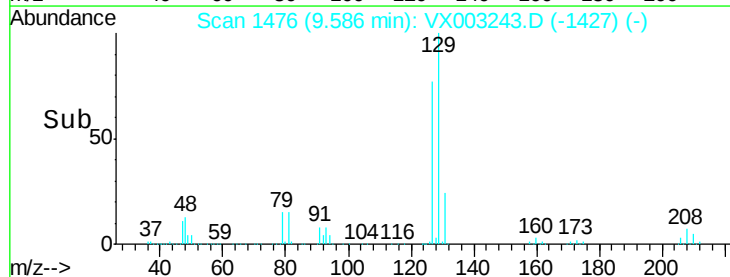
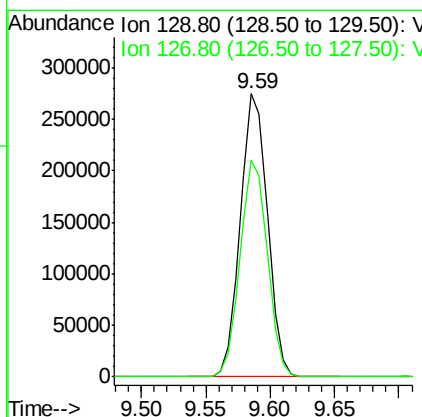
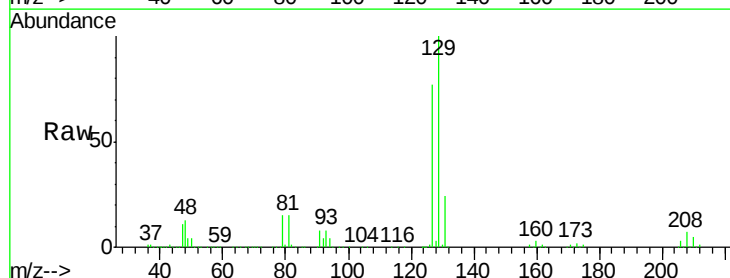
Manual Integrations
APPROVED

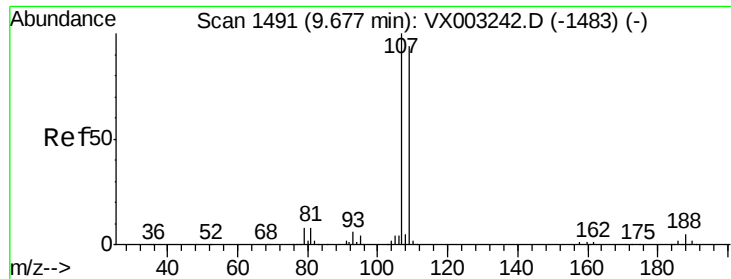
MMDadoda
7/10/2018 3:11:45 PM



#60
Dibromochloromethane
Concen: 136.09 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion: 129 Resp: 400341
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 128.14 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 375599

Ion Ratio Lower Upper

107 100

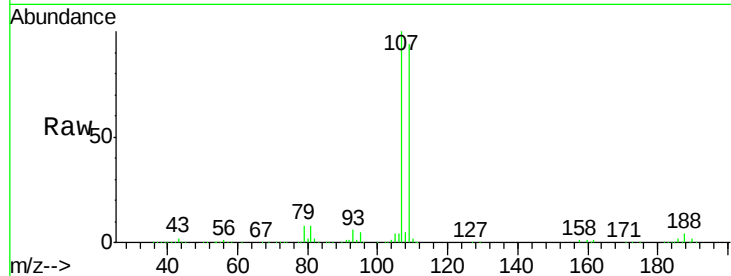
109 94.1 75.3 112.9

Manual Integrations

APPROVED

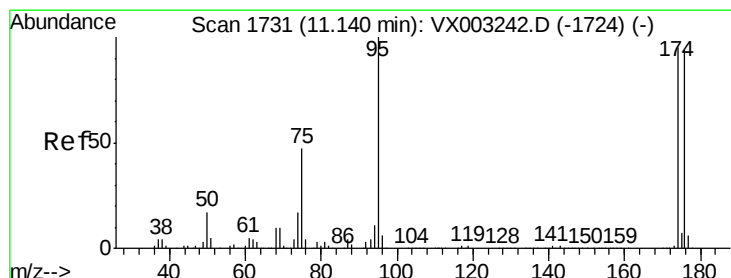
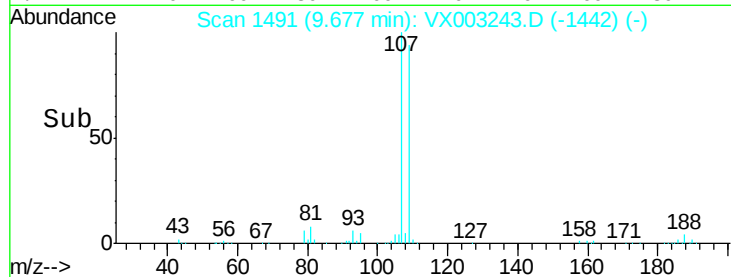
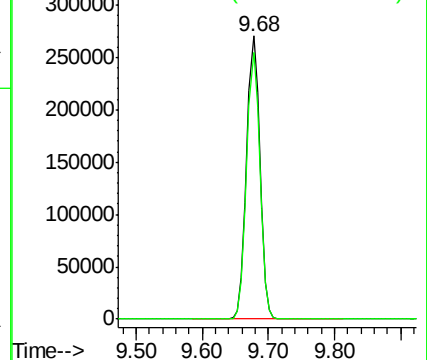
MMDadoda

7/10/2018 3:11:45 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 128.57 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

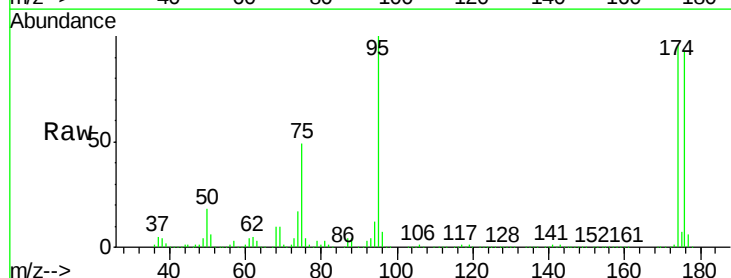
Tgt Ion: 95 Resp: 477693

Ion Ratio Lower Upper

95 100

174 100.2 0.0 187.4

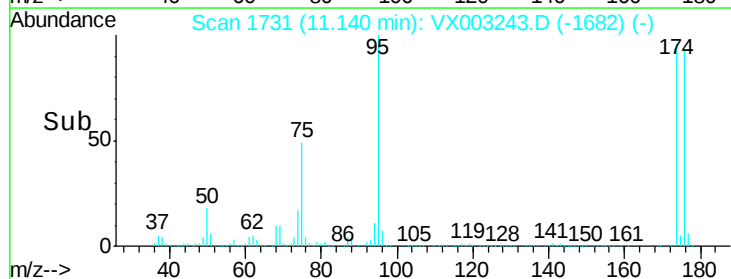
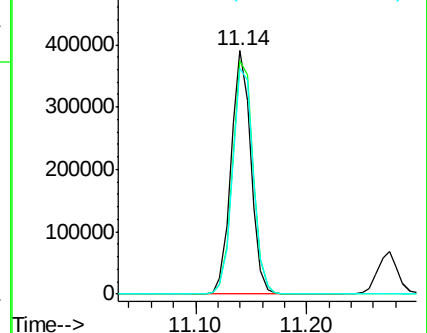
176 97.7 0.0 181.0

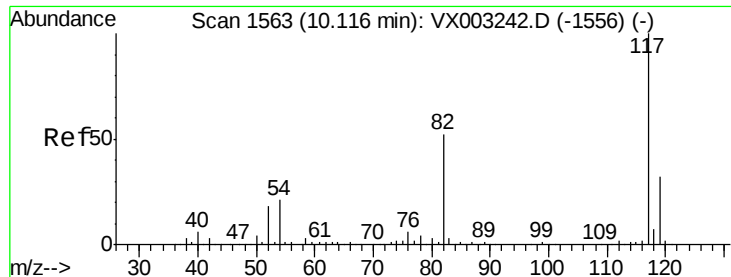


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





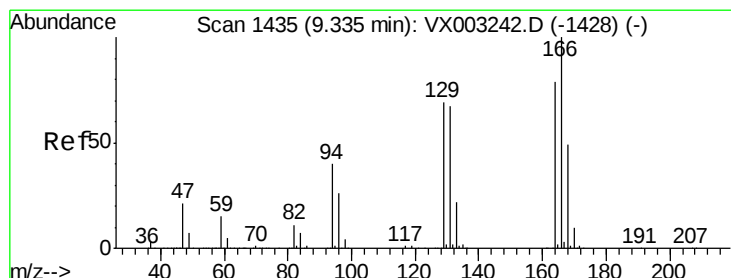
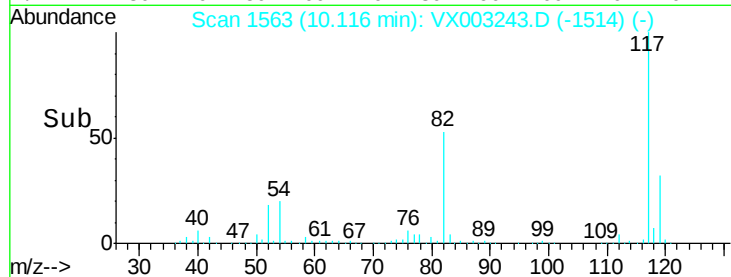
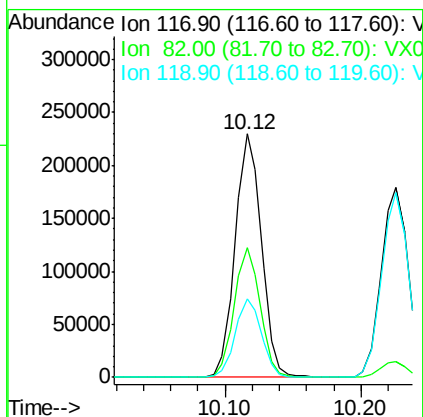
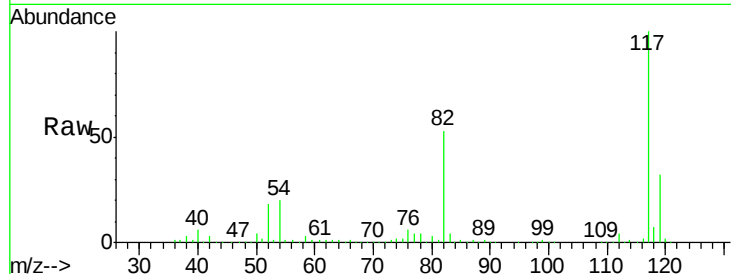
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.0	67.4
119	32.3	25.8	38.6

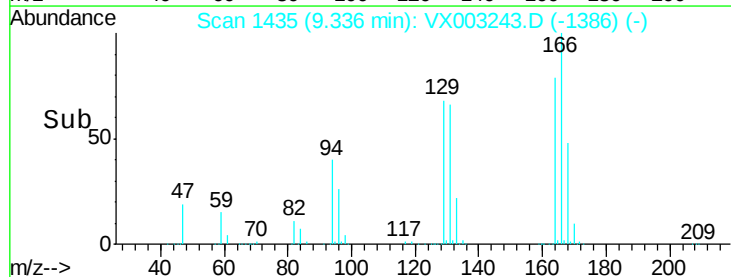
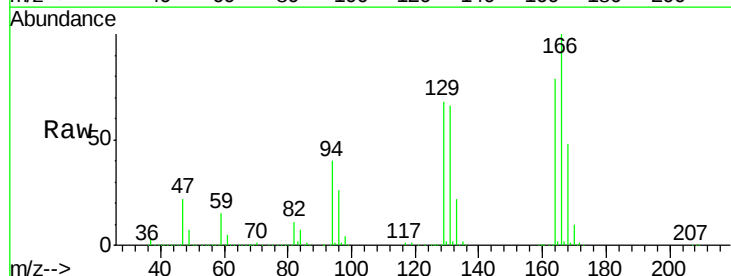
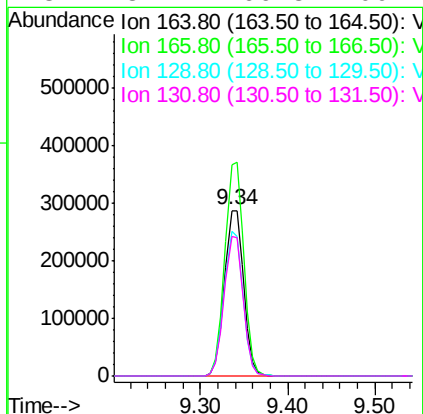
Manual Integrations
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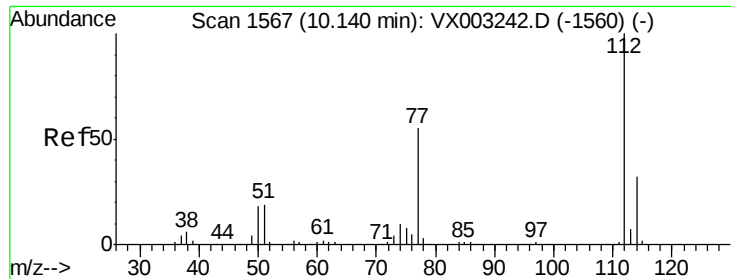
MMDadoda
7/10/2018 3:11:45 PM



#64
Tetrachloroethene
Concen: 126.51 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.9	154.3
129	87.1	68.6	102.8
131	84.1	66.8	100.2





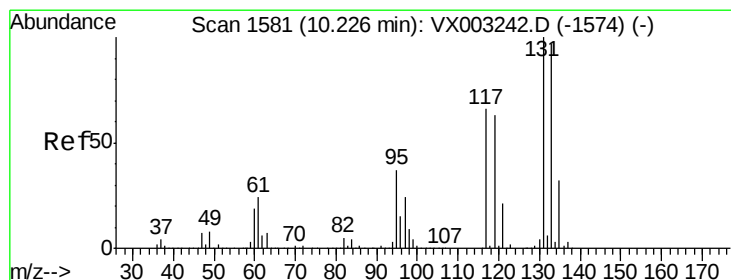
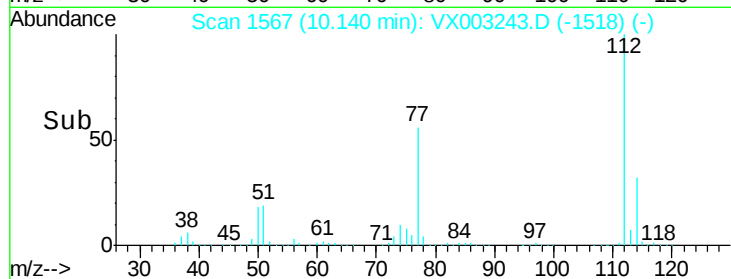
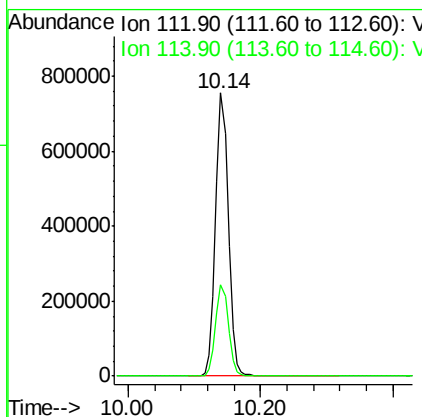
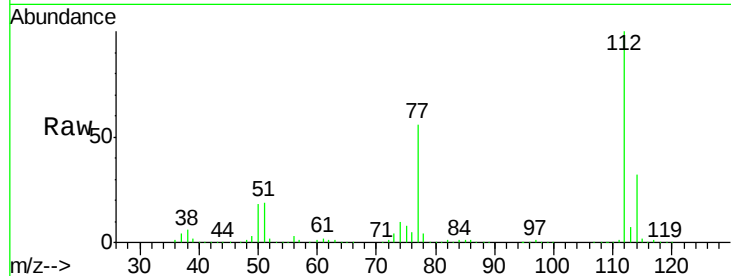
#65
Chlorobenzene
Concen: 127.06 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 999137
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

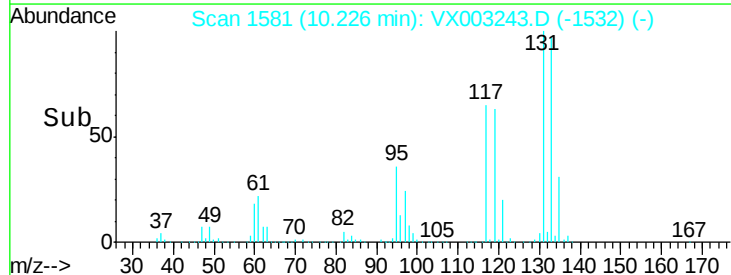
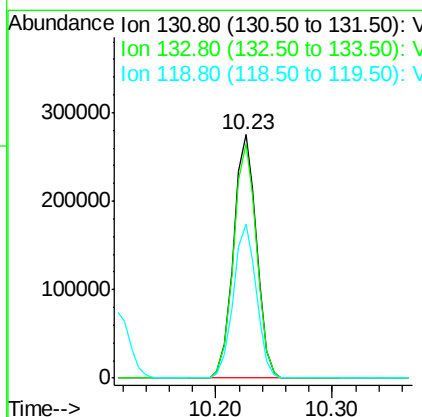
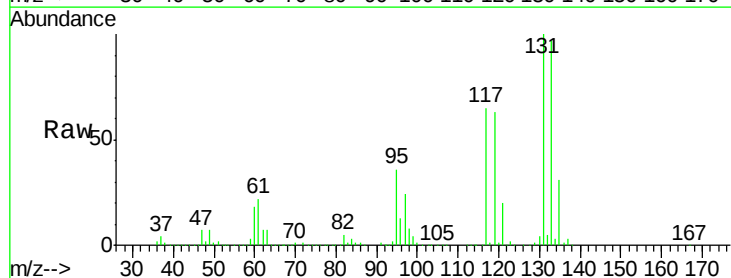
Manual Integrations
APPROVED

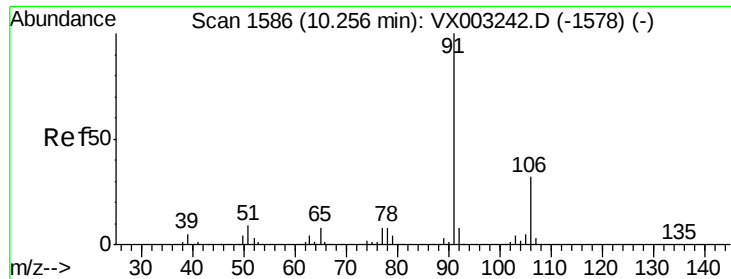
MMDadoda
7/10/2018 3:11:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 132.28 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion:131 Resp: 377886
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.6
119 63.5 31.8 95.3





#67

Ethyl Benzene

Concen: 129.75 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1685453

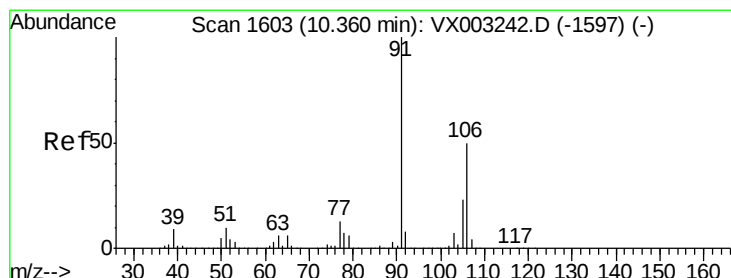
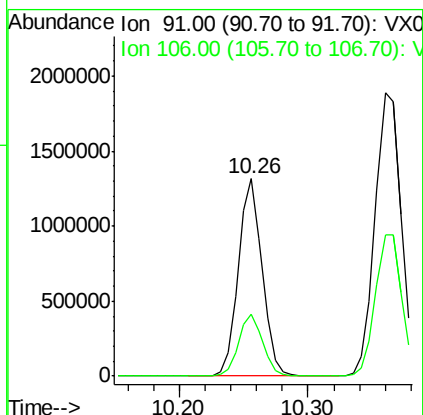
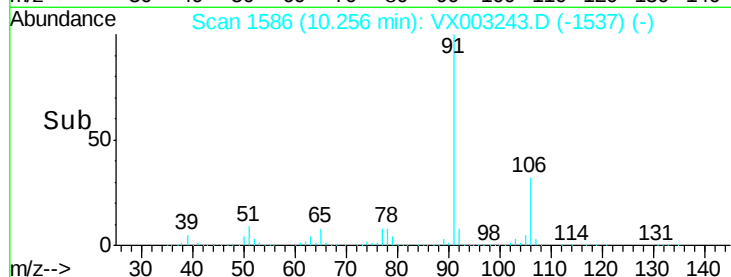
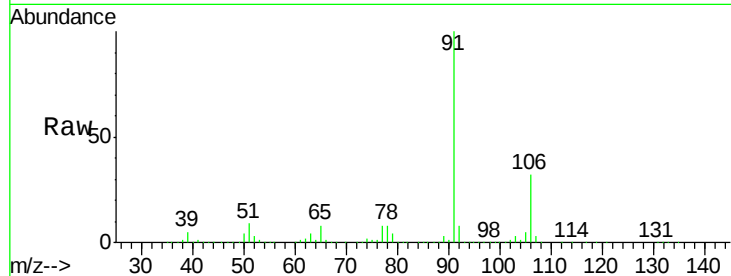
Ion Ratio Lower Upper

91 100

106 31.7 25.5 38.3

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 265.55 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003243.D

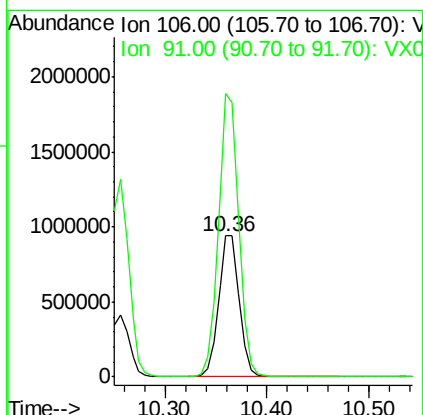
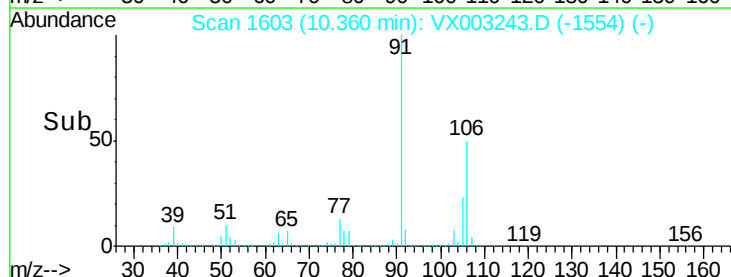
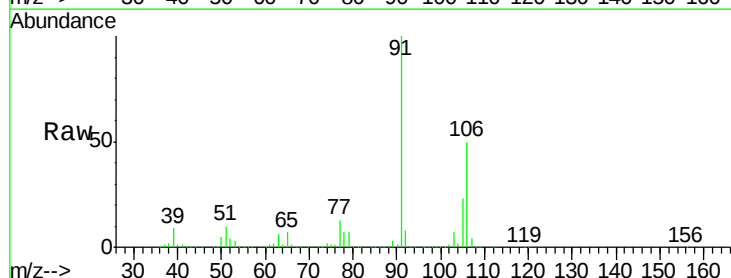
Acq: 09 Jul 2018 13:09

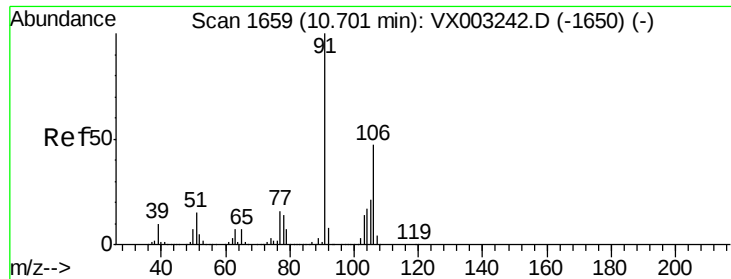
Tgt Ion: 106 Resp: 1329439

Ion Ratio Lower Upper

106 100

91 198.7 163.4 245.2





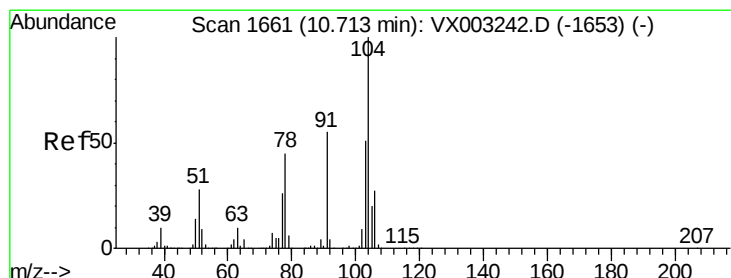
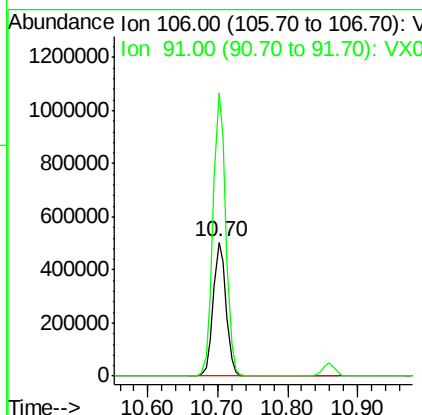
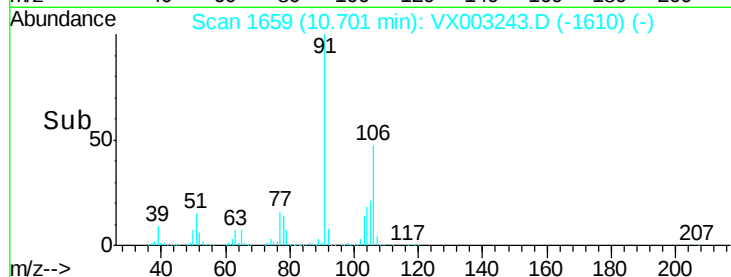
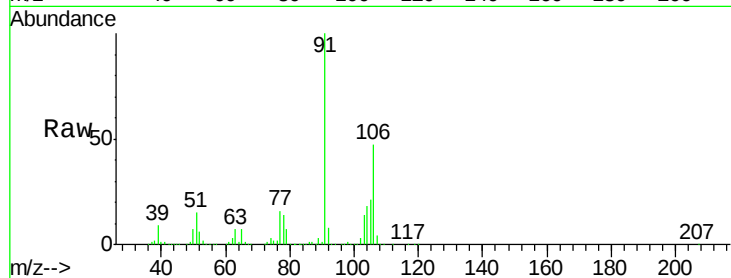
#69
o-Xylene
Concen: 131.67 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 641873
Ion Ratio Lower Upper
106 100
91 210.5 108.2 324.6

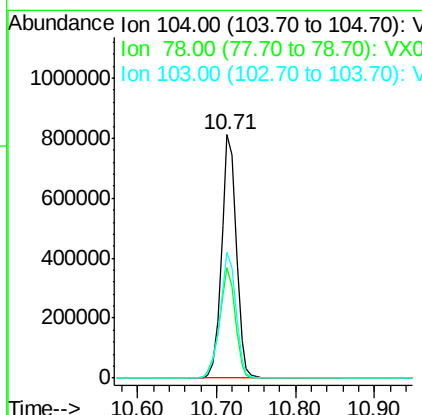
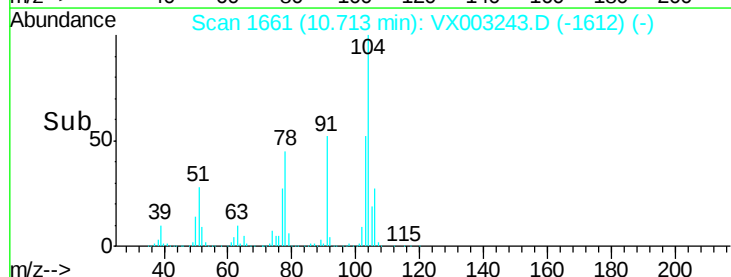
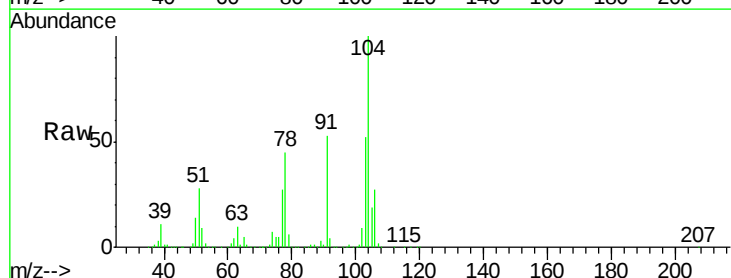
Manual Integrations
APPROVED

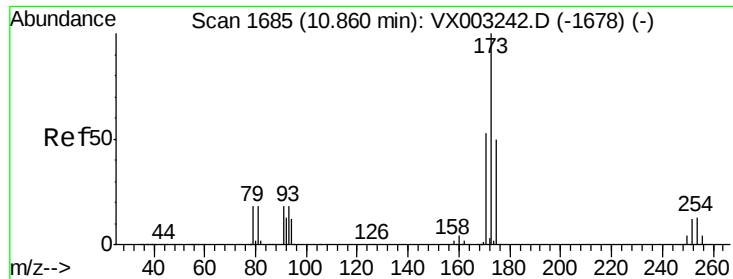
MMDadoda
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#70
Styrene
Concen: 133.56 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion:104 Resp: 1057960
Ion Ratio Lower Upper
104 100
78 49.0 41.0 61.6
103 55.7 44.2 66.4





#71

Bromoform

Concen: 149.69 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 336071

Ion Ratio Lower Upper

173 100

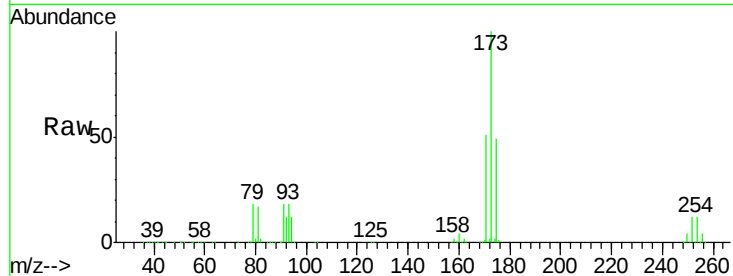
175 49.1 24.7 74.1

254 0.2 0.2 0.2

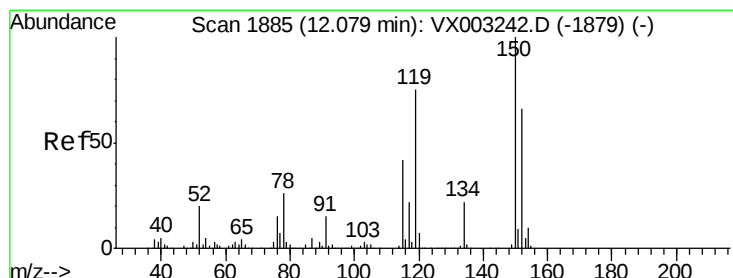
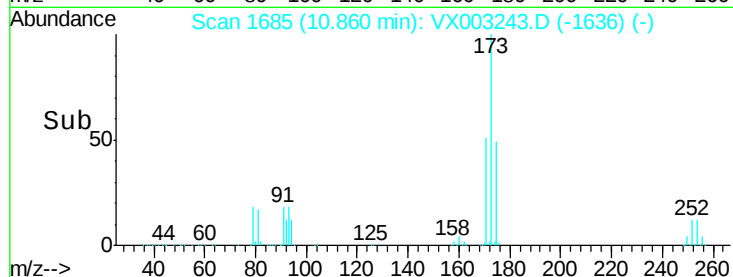
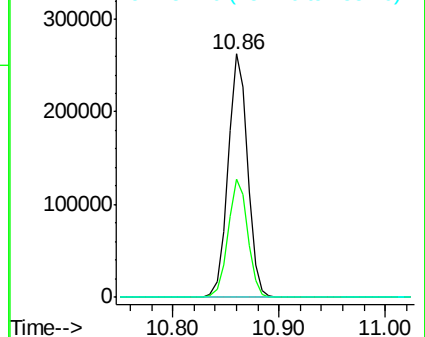
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

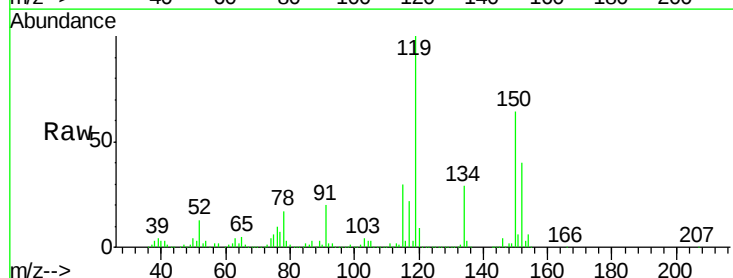
Tgt Ion:152 Resp: 224333

Ion Ratio Lower Upper

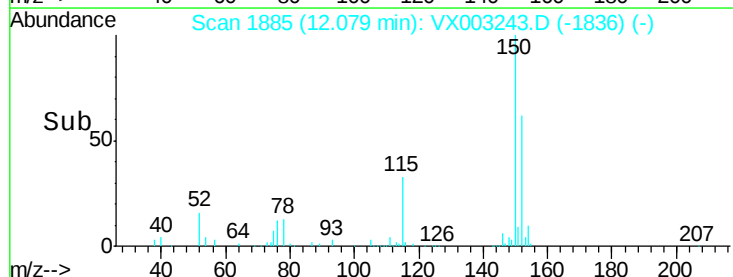
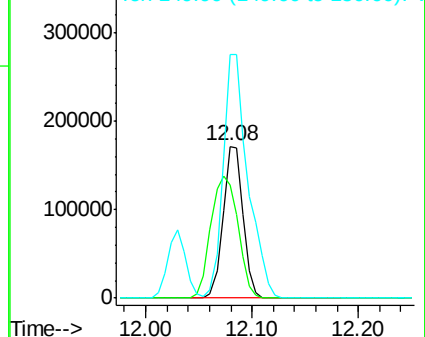
152 100

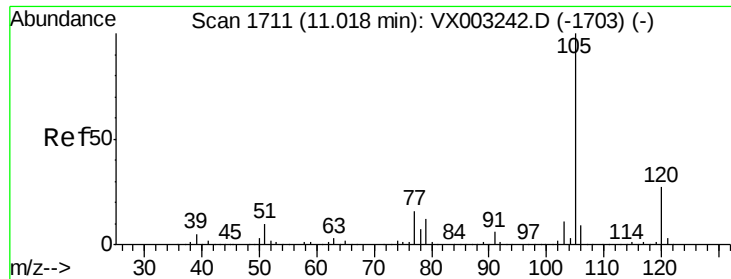
115 107.3 40.1 120.2

150 198.7 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: 115.55 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1743804

Ion Ratio Lower Upper

105 100

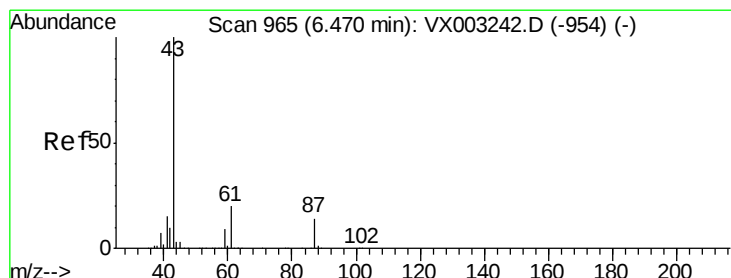
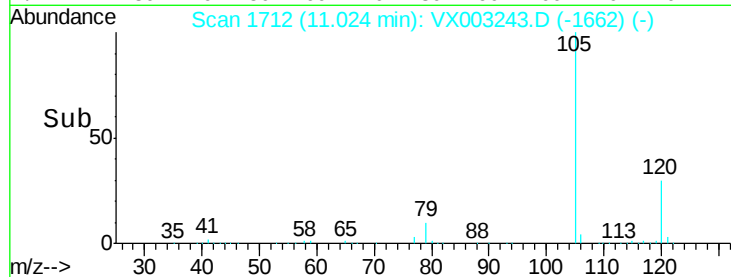
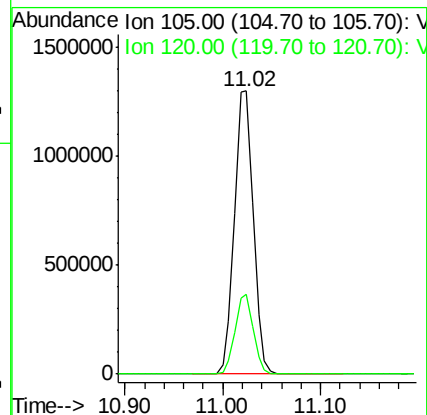
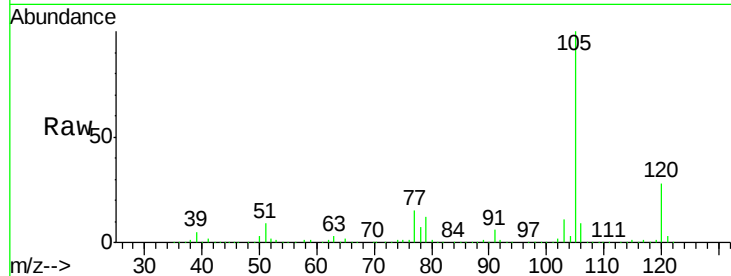
120 27.2 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 107.98 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Tgt Ion: 43 Resp: 797308

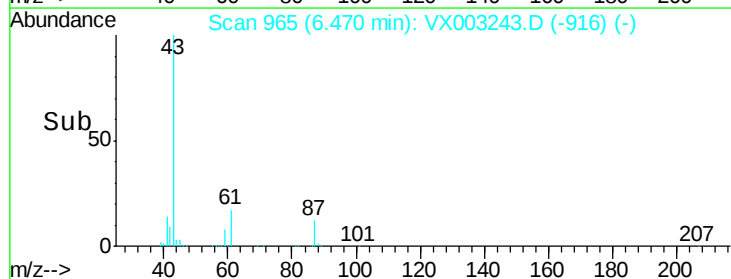
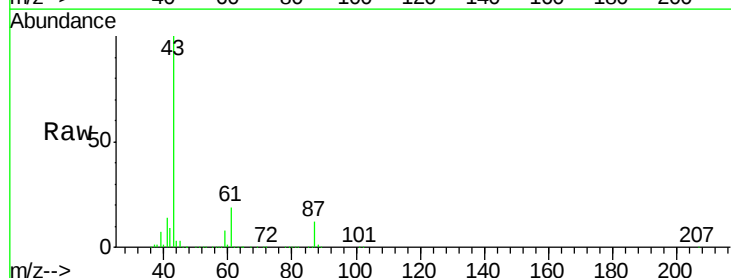
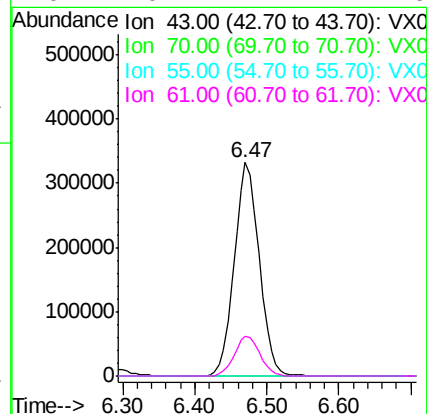
Ion Ratio Lower Upper

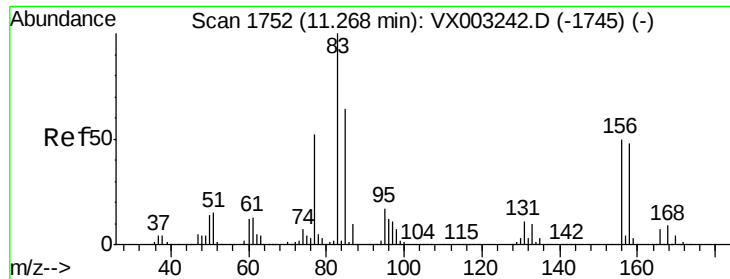
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.2 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 110.62 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

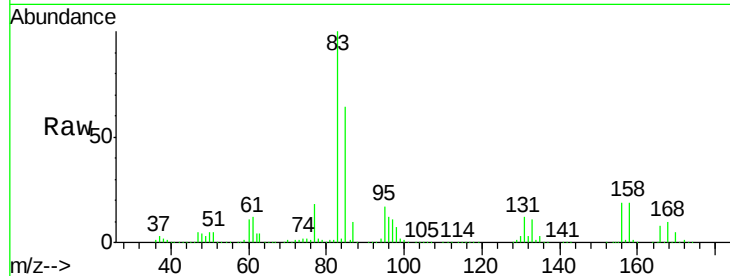
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	514264
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.6	16.8
85	64.4	32.4	97.2

Manual Integrations
APPROVED

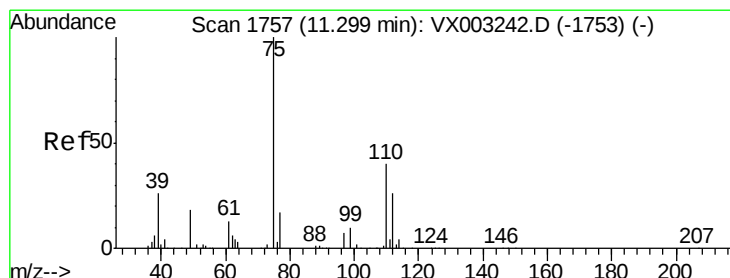
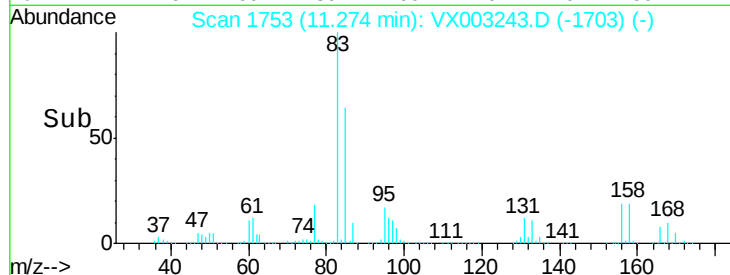
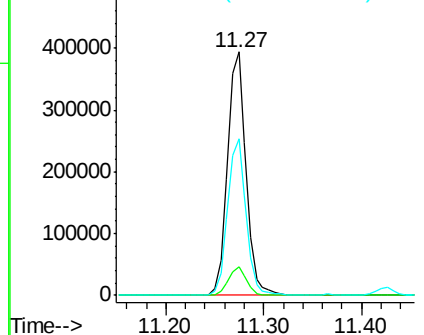
MMDadoda
7/10/2018 3:11:45 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 110.86 ug/l m

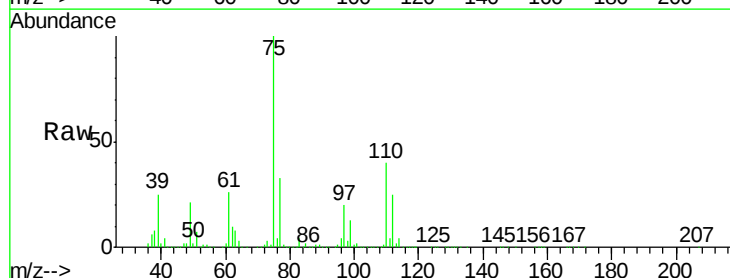
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003243.D

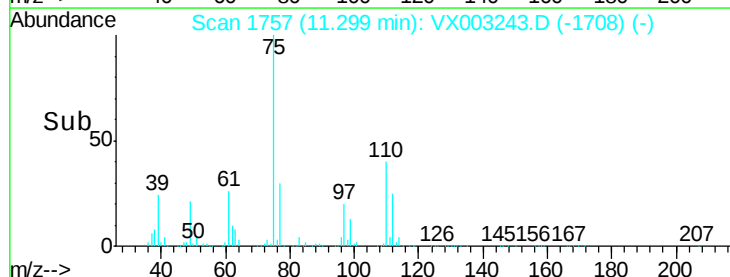
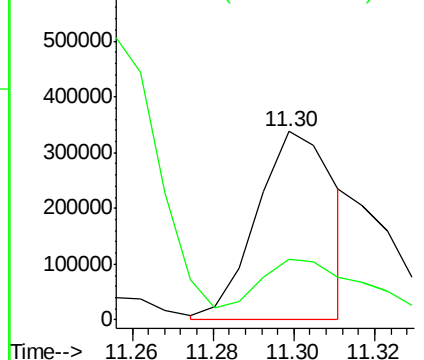
Acq: 09 Jul 2018 13:09

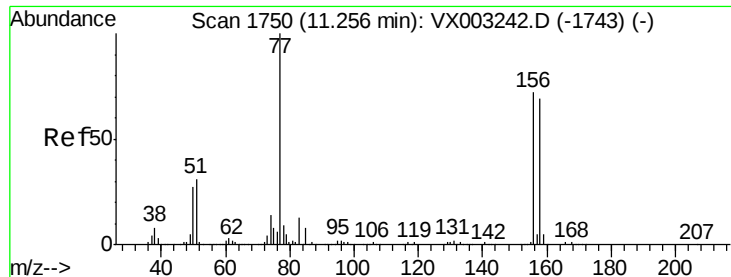
Tgt Ion:	75	Resp:	450484
Ion Ratio	Lower	Upper	
75	100		
77	44.9	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 114.30 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 491209

Ion Ratio Lower Upper

156 100

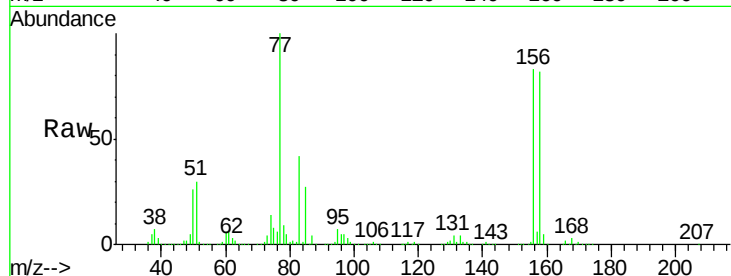
77 132.4 71.4 214.2

158 98.1 48.9 146.6

Manual Integrations
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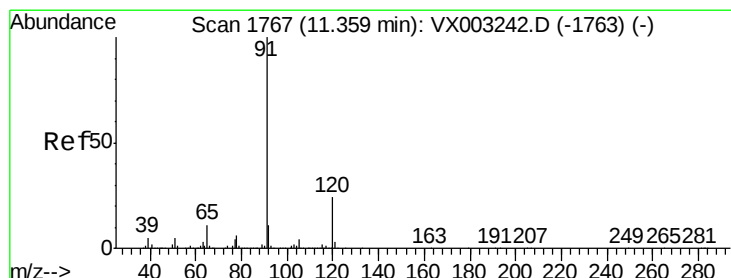
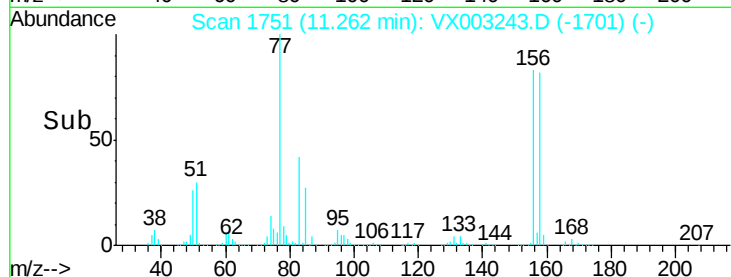
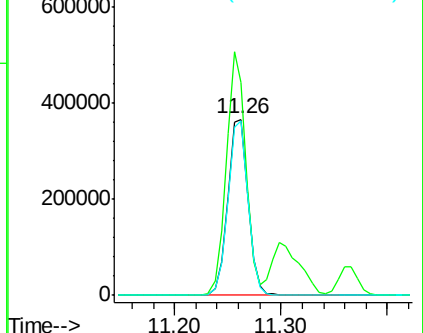
7/10/2018 3:11:45 PM



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: 114.87 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003243.D

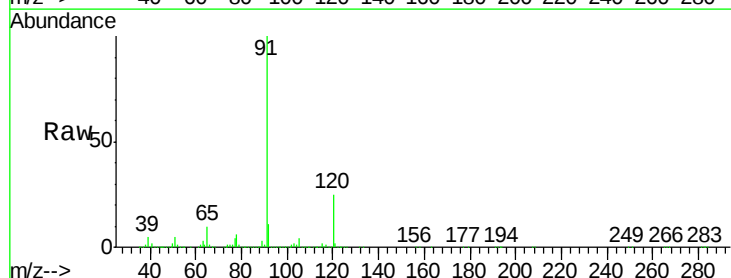
Acq: 09 Jul 2018 13:09

Tgt Ion: 91 Resp: 1973251

Ion Ratio Lower Upper

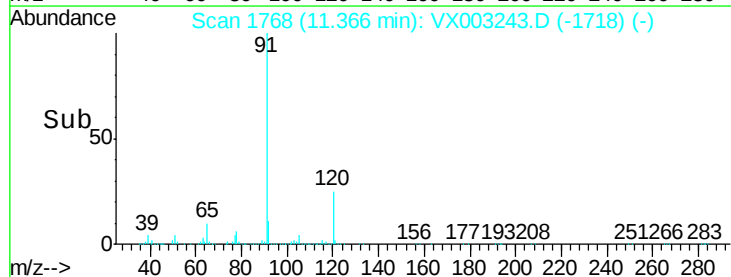
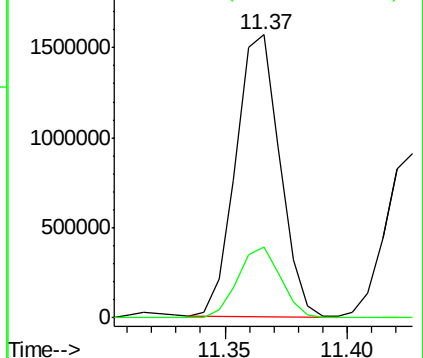
91 100

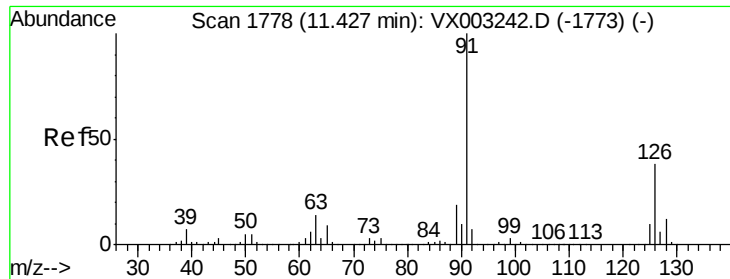
120 24.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 110.96 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1154010

Ion Ratio Lower Upper

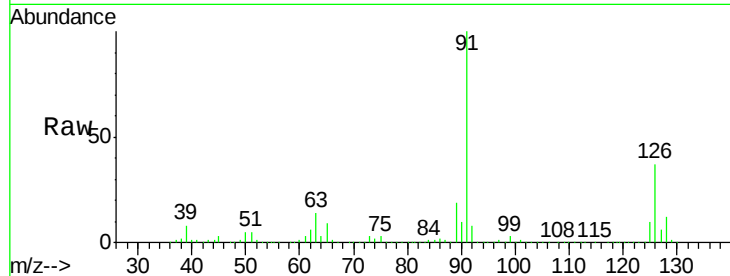
91 100

126 36.6 17.7 53.1

Manual Integrations
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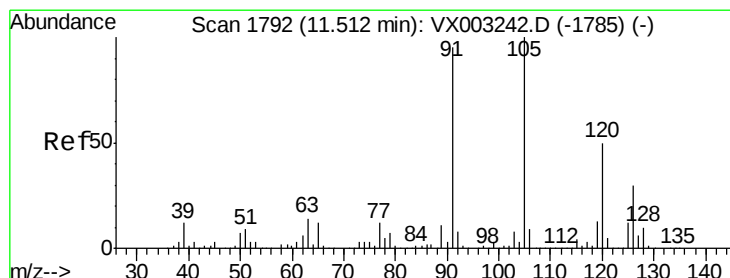
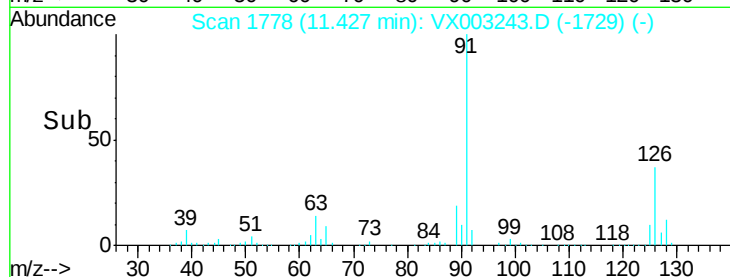
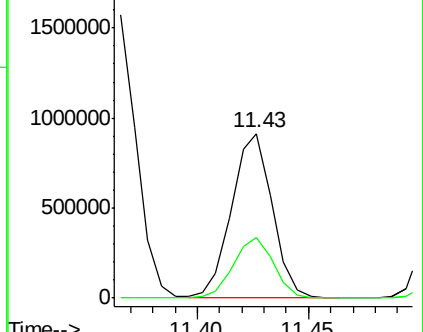
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Abundance Ion 91.00 (90.70 to 91.70): VX003242.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003242.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 116.50 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003243.D

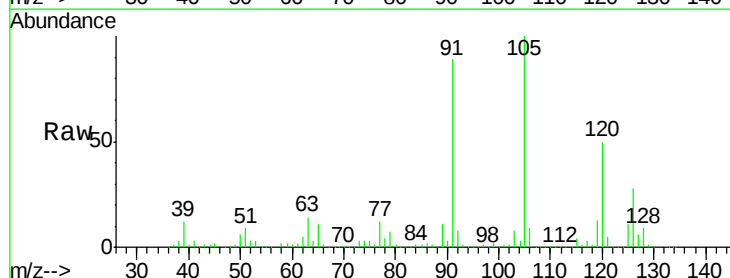
Acq: 09 Jul 2018 13:09

Tgt Ion: 105 Resp: 1480863

Ion Ratio Lower Upper

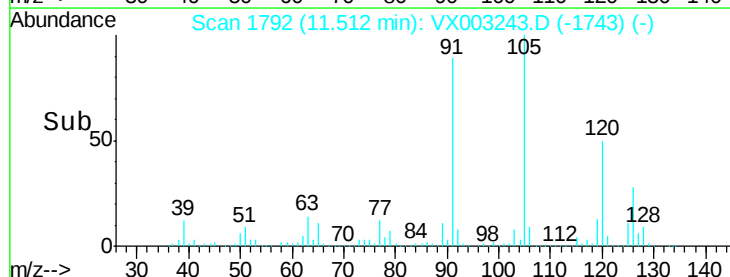
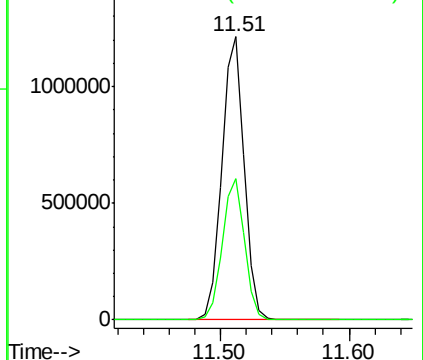
105 100

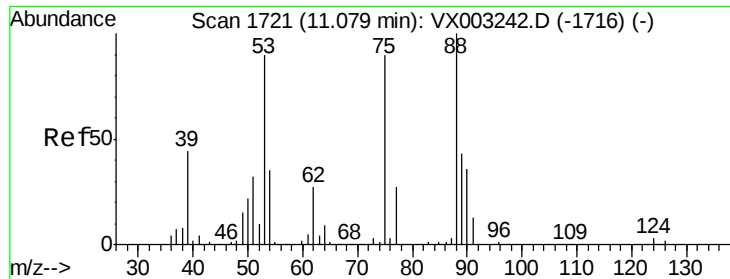
120 49.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003242.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003242.D (-1785) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 137.03 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 164163

Ion Ratio Lower Upper

75 100

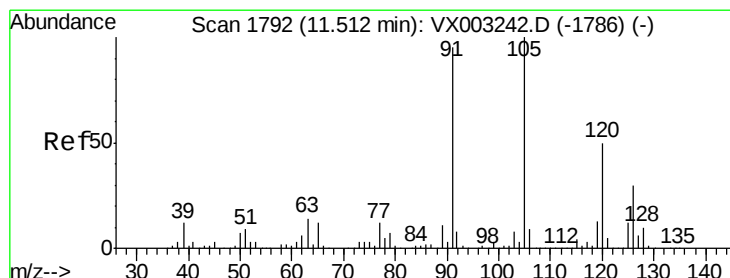
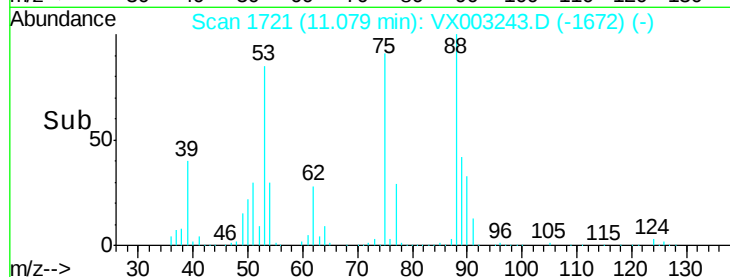
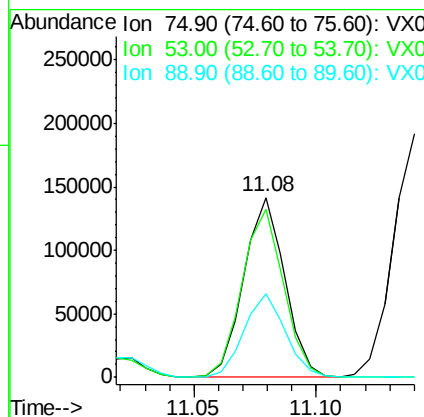
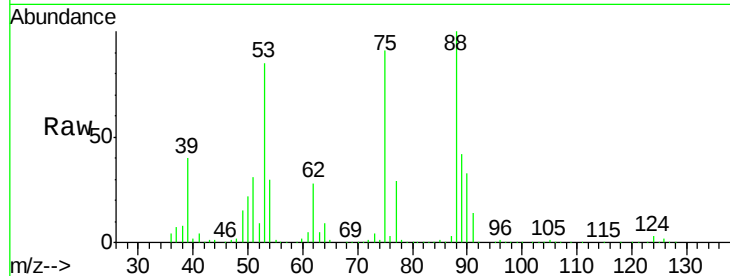
53 95.6 86.8 130.2

89 47.4 38.2 57.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 111.50 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003243.D

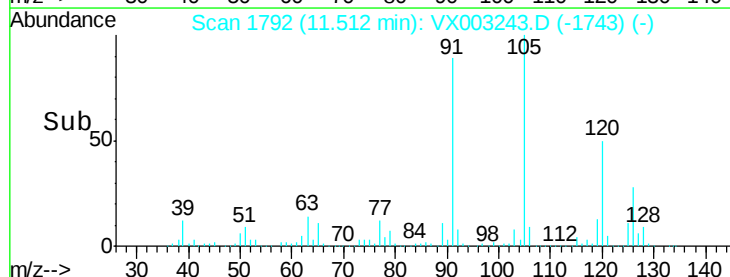
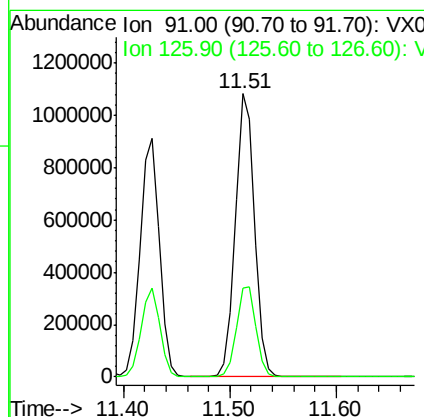
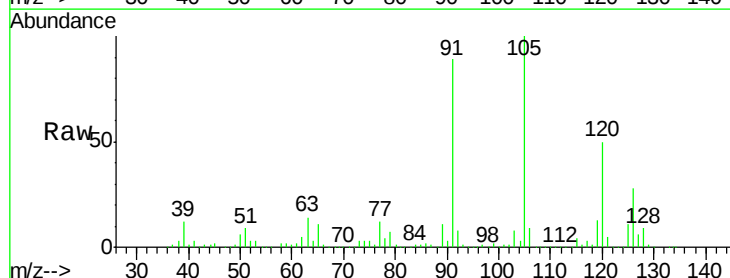
Acq: 09 Jul 2018 13:09

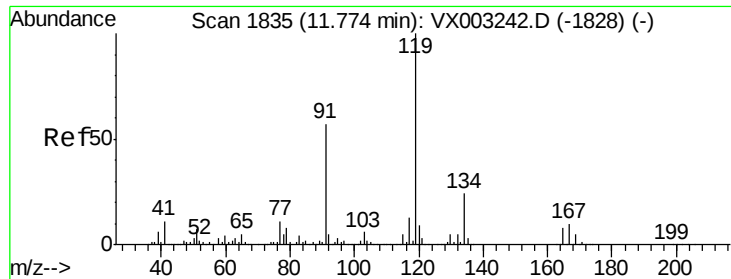
Tgt Ion: 91 Resp: 1372795

Ion Ratio Lower Upper

91 100

126 32.4 15.4 46.4





#83

tert-Butylbenzene

Concen: 117.35 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1470057

Ion Ratio Lower Upper

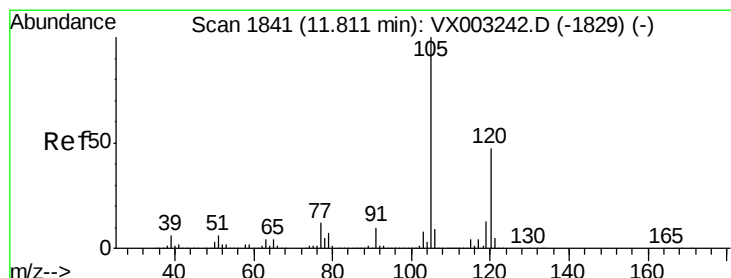
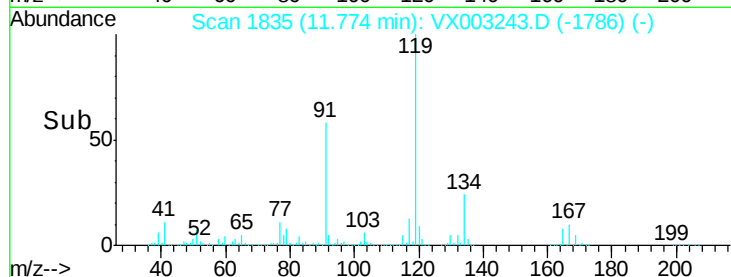
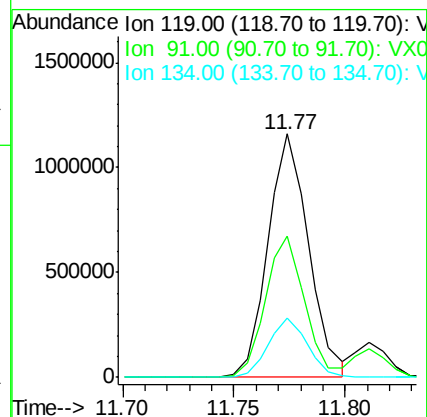
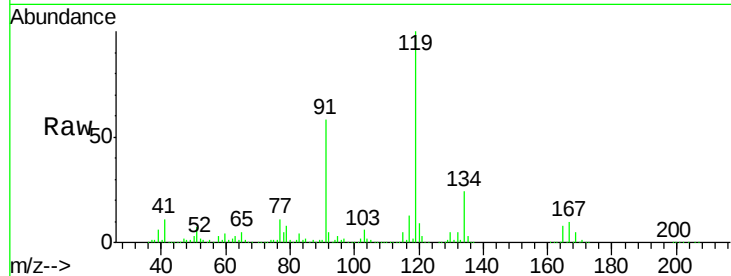
119 100

91 56.4 30.3 90.9

134 23.5 11.7 35.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 114.99 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003243.D

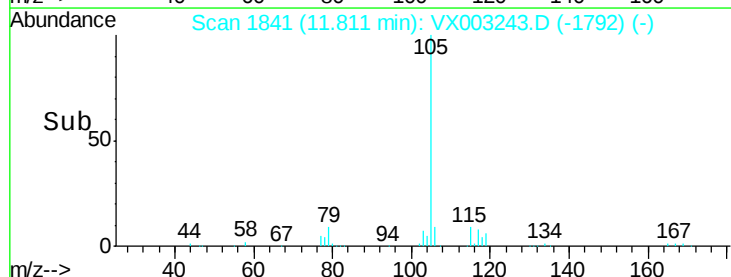
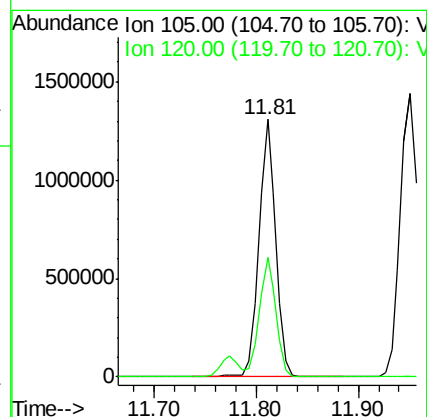
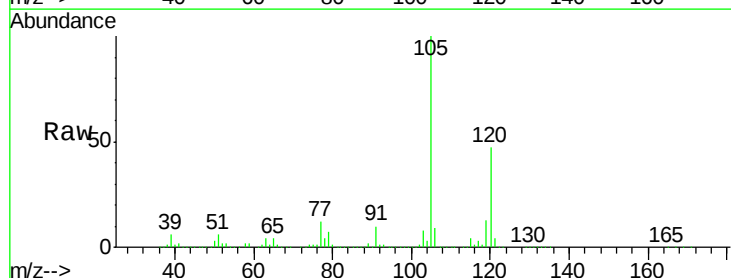
Acq: 09 Jul 2018 13:09

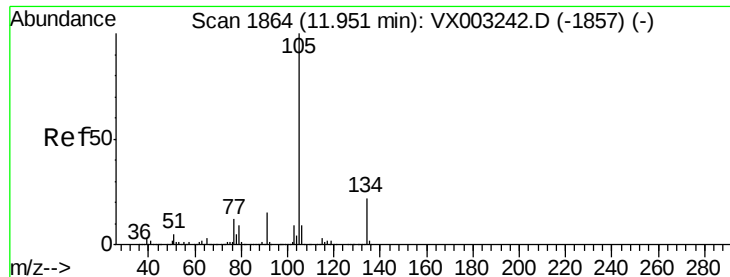
Tgt Ion:105 Resp: 1514426

Ion Ratio Lower Upper

105 100

120 46.2 22.3 66.8





#85

sec-Butylbenzene

Concen: 114.72 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1743419

Ion Ratio Lower Upper

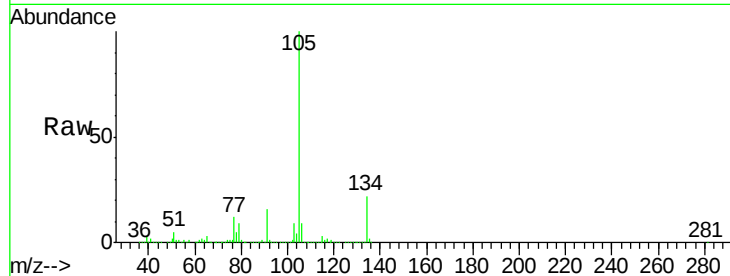
105 100

134 21.3 10.4 31.1

Manual Integrations
APPROVED

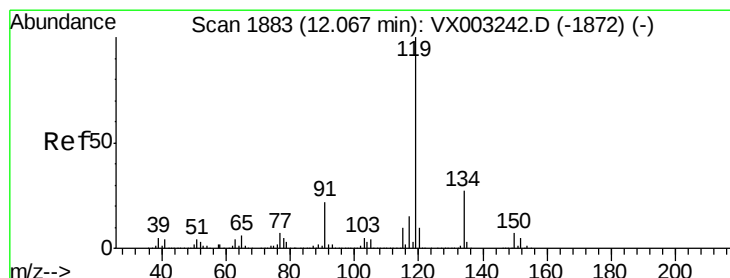
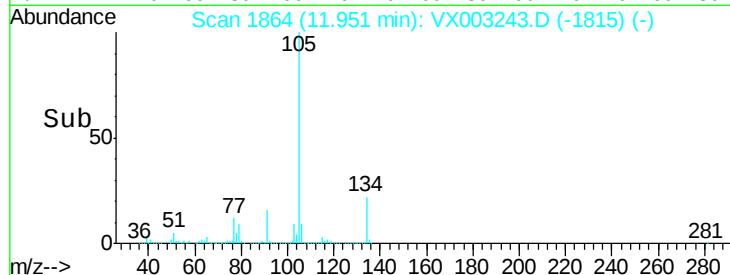
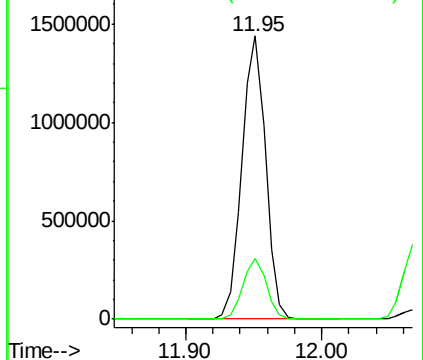
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 117.33 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

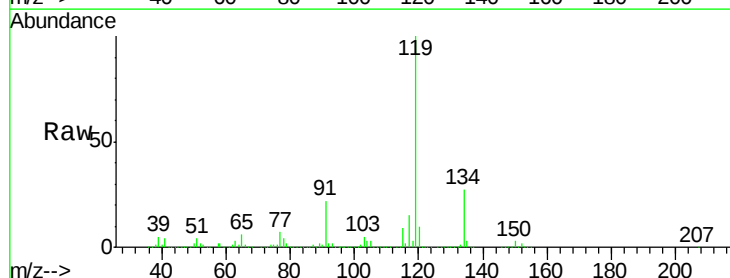
Tgt Ion:119 Resp: 1603014

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

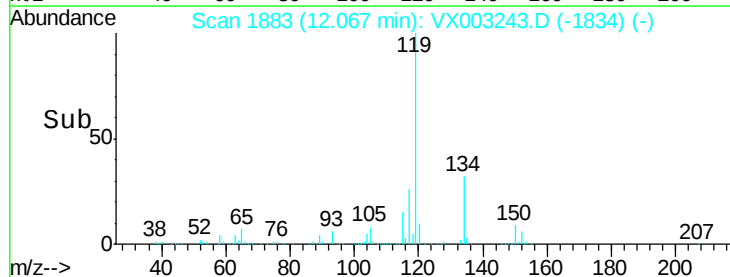
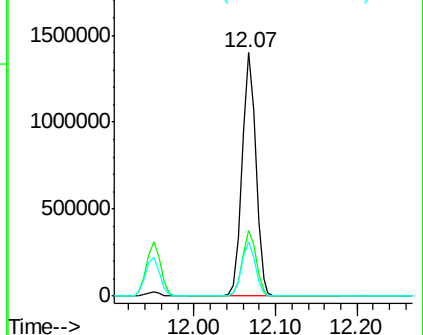
91 22.5 11.9 35.7

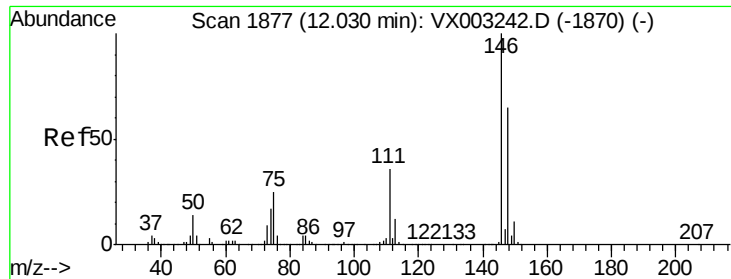


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





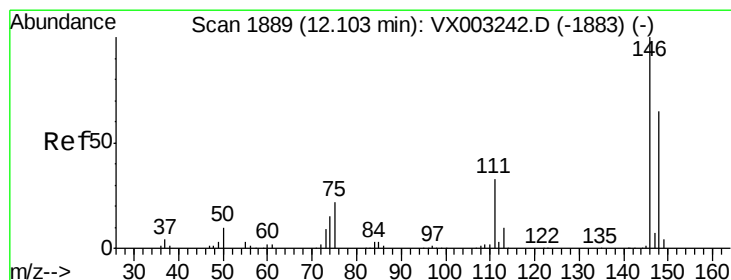
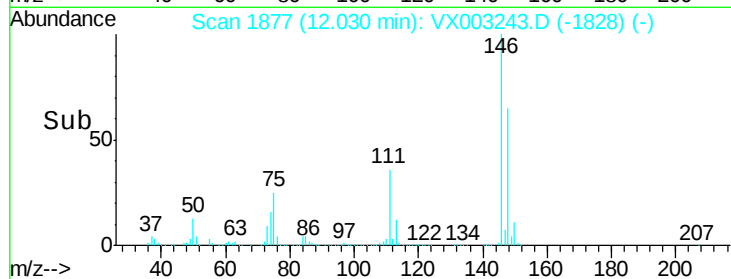
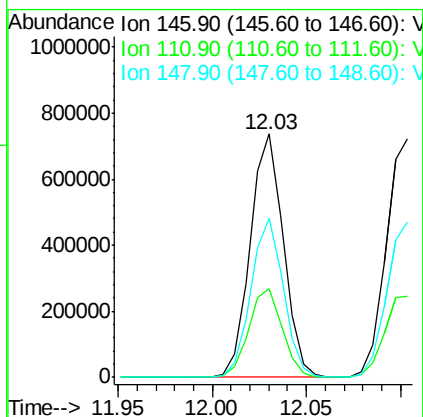
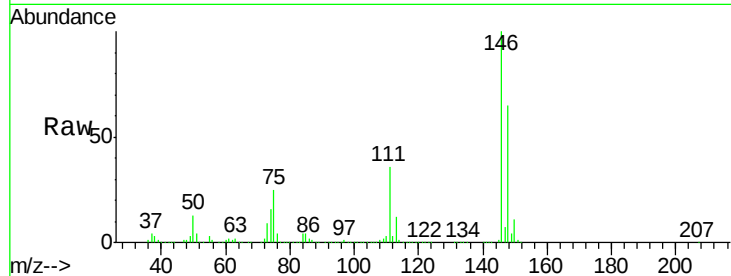
#87
 1,3-Dichlorobenzene
 Concen: 114.28 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	64.2	32.1	96.3

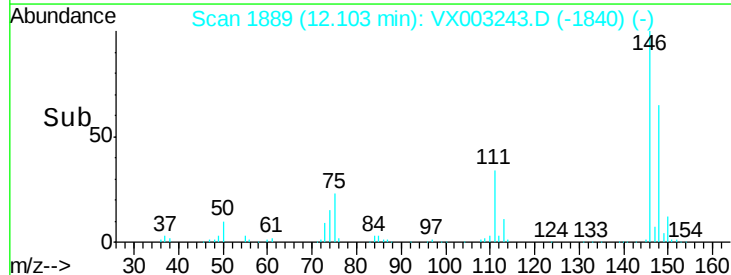
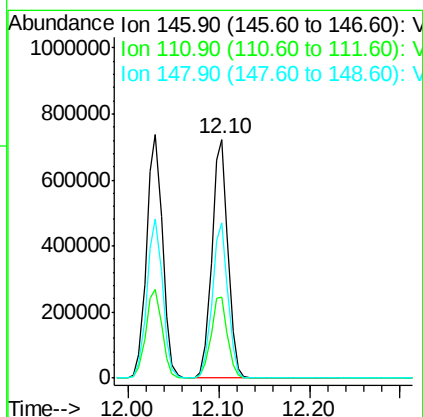
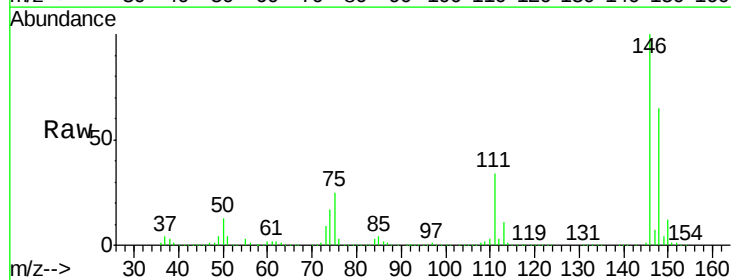
Manual Integrations
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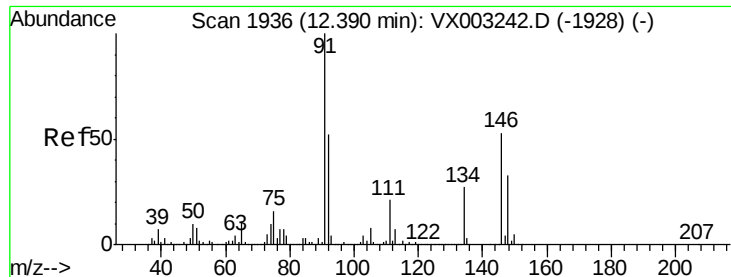
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#88
 1,4-Dichlorobenzene
 Concen: 111.53 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.7	56.1
148	64.3	32.4	97.0





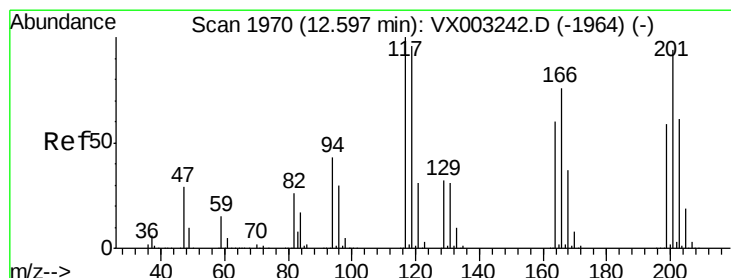
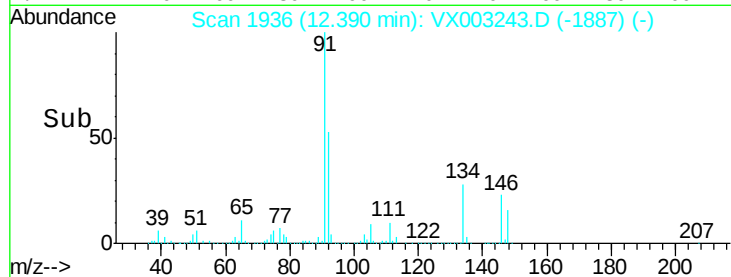
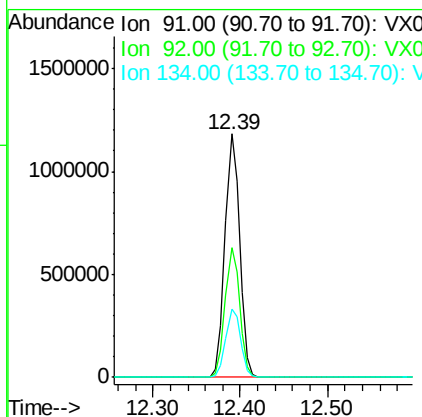
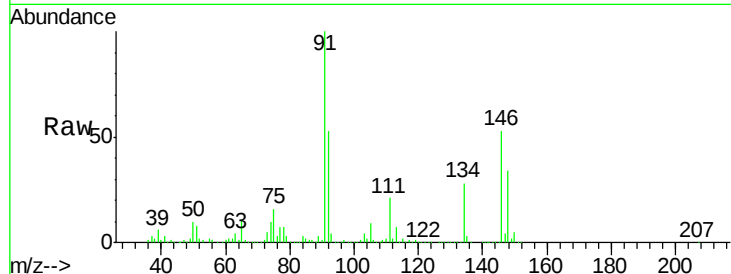
#89
n-Butylbenzene
Concen: 114.60 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1362790
Ion Ratio Lower Upper
91 100
92 53.0 26.0 78.0
134 28.7 13.5 40.5

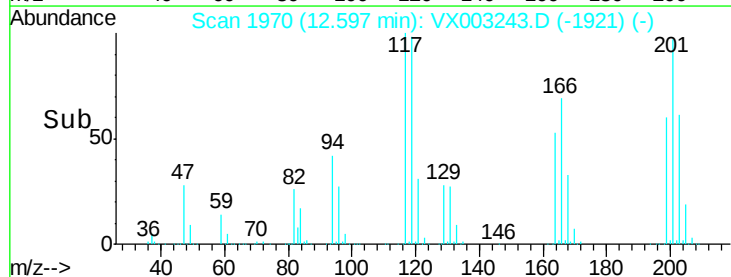
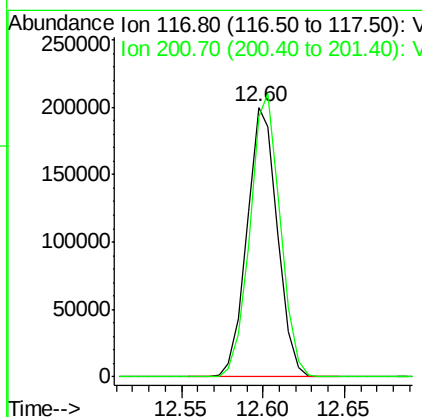
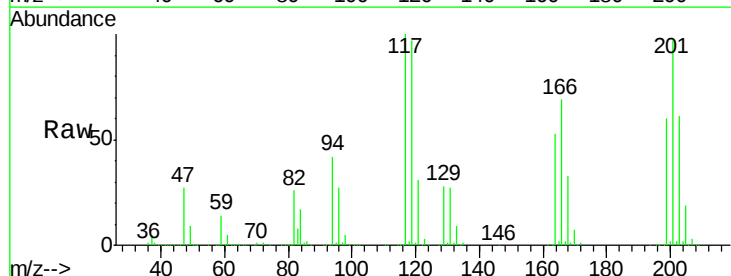
Manual Integrations
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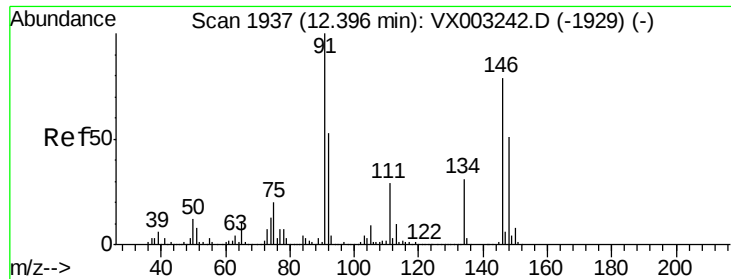
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#90
Hexachloroethane
Concen: 127.25 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003243.D
Acq: 09 Jul 2018 13:09

Tgt Ion: 117 Resp: 258599
Ion Ratio Lower Upper
117 100
201 104.4 49.0 147.0





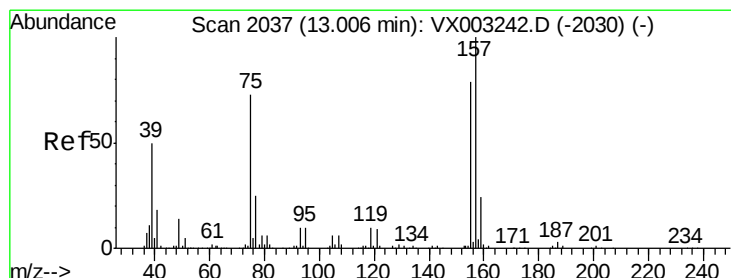
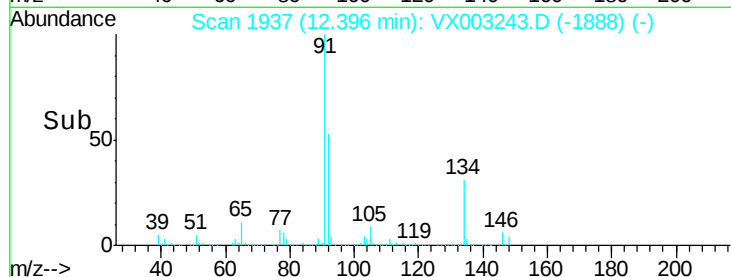
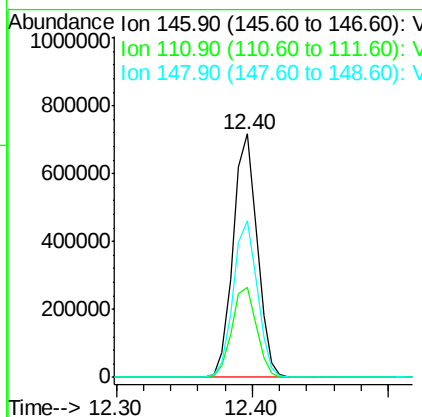
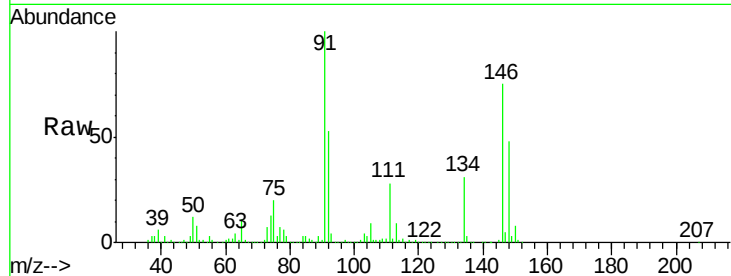
#91
 1,2-Dichlorobenzene
 Concen: 111.87 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.1
148	64.4	31.7	95.1

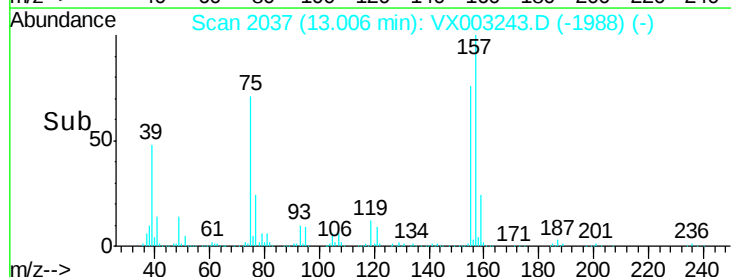
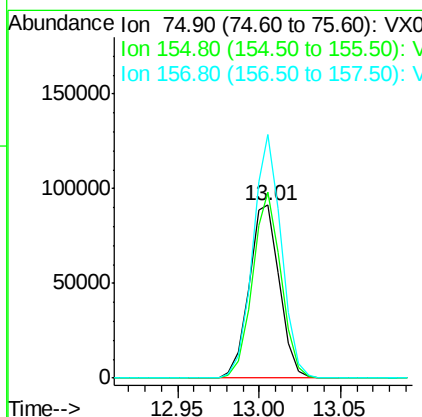
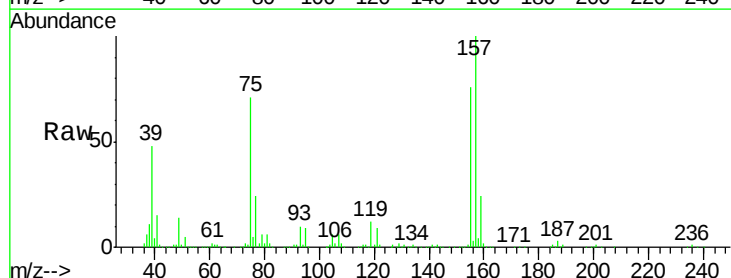
Manual Integrations
 APPROVED

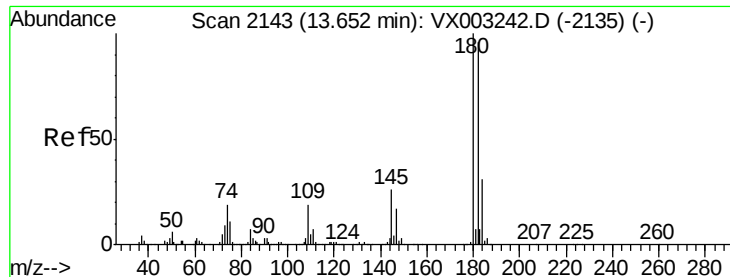
MMDadoda
 7/10/2018 3:11:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 112.77 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	45.8	137.4
157	132.0	60.1	180.3





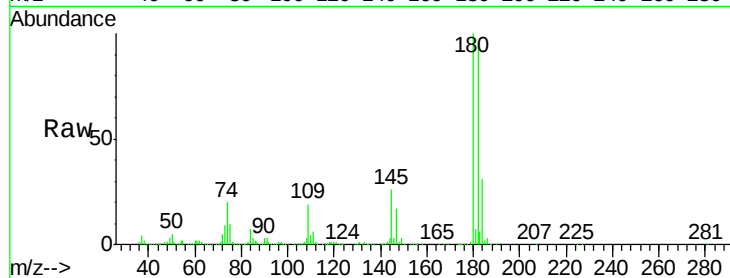
#93
 1,2,4-Trichlorobenzene
 Concen: 118.19 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

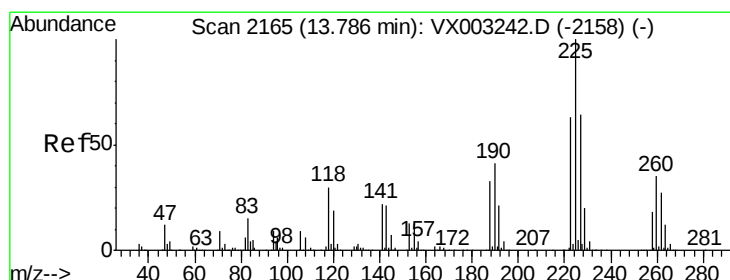
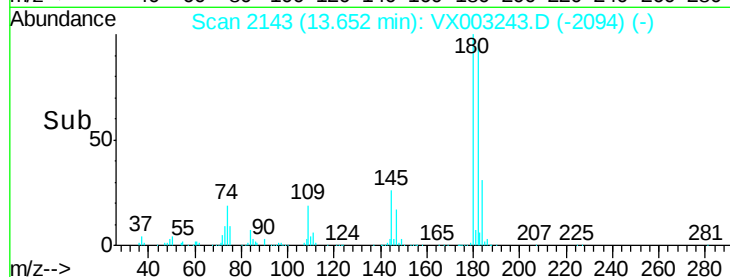
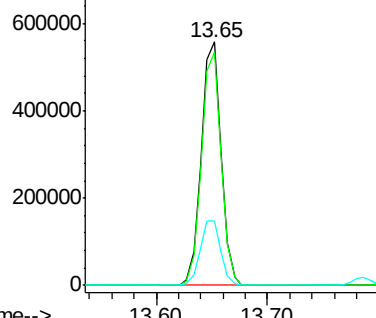
Tot Ion	Ratio	Resp	Lower	Upper
180	100	681461		
182	95.4	47.7	143.1	
145	27.4	14.1	42.4	

Manual Integrations
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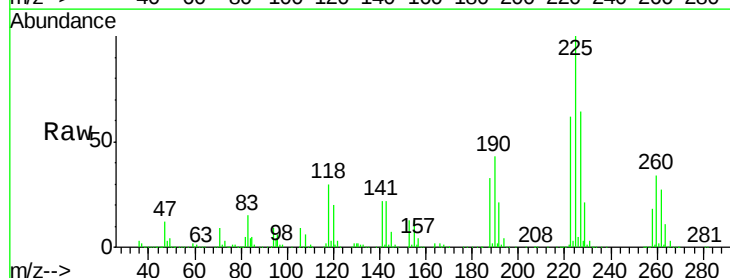


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

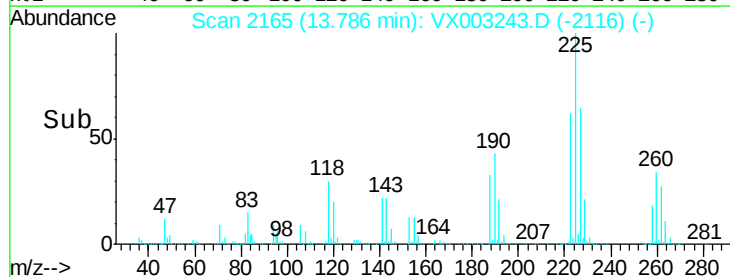
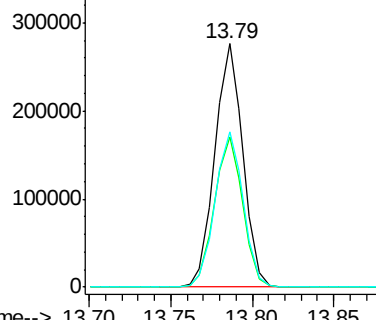


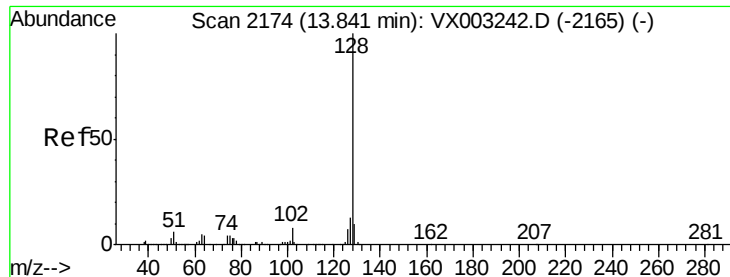
#94
 Hexachlorobutadiene
 Concen: 114.81 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003243.D
 Acq: 09 Jul 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	330165		
223	62.3	31.6	95.0	
227	64.2	32.4	97.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 119.84 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:128 Resp: 1840370

Ion Ratio Lower Upper

128 100

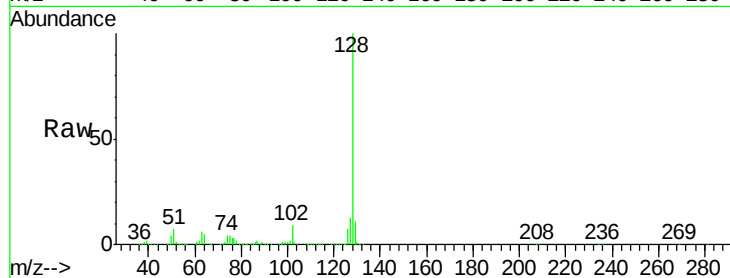
127 13.0 10.4 15.6

129 11.0 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

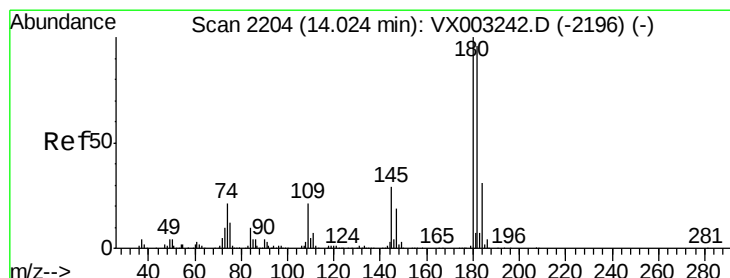
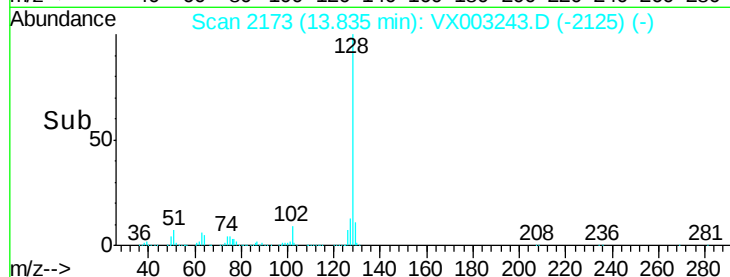
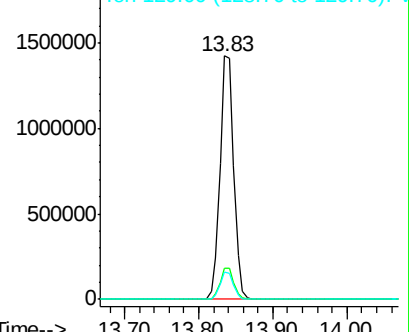
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 116.64 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003243.D

Acq: 09 Jul 2018 13:09

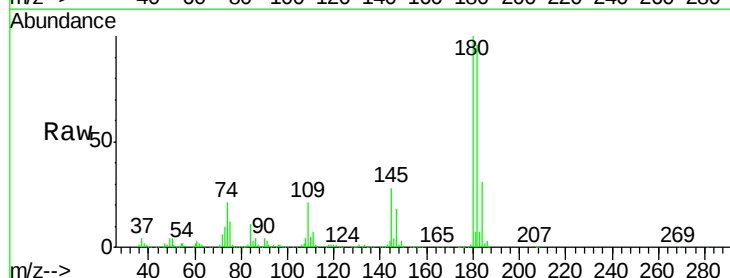
Tgt Ion:180 Resp: 671716

Ion Ratio Lower Upper

180 100

182 96.5 48.0 144.0

145 29.0 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

