

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX060418\
 Data File : VX002254.D
 Acq On : 04 Jun 2018 10:33
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/5/2018 5:56:01 PM

Quant Time: Jun 05 02:13:37 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 02:06:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	370993	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	354269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197436	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	21865	6.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.94%	
35) Dibromofluoromethane	5.51	113	15001	5.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.28%	
50) Toluene-d8	8.72	98	55308	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
62) 4-Bromofluorobenzene	11.14	95	20077	4.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	8648	3.83	ug/l	98
3) Chloromethane	1.33	50	17814	5.99	ug/l	99
4) Vinyl Chloride	1.41	62	15002	5.27	ug/l	100
5) Bromomethane	1.64	94	13539	5.98	ug/l	97
6) Chloroethane	1.71	64	11093	6.02	ug/l	92
7) Trichlorofluoromethane	1.92	101	18905	4.36	ug/l	99
8) Diethyl Ether	2.20	74	11081	6.27	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	9193	3.93	ug/l	98
10) Methyl Iodide	2.51	142	16670	5.06	ug/l	97
11) Tert butyl alcohol	3.09	59	22235	31.92	ug/l	98
12) 1,1-Dichloroethene	2.37	96	12106	5.23	ug/l	98
13) Acrolein	2.30	56	11080	33.02	ug/l	100
14) Allyl chloride	2.73	41	28932	5.76	ug/l	100
15) Acrylonitrile	3.16	53	46787	31.55	ug/l	99
16) Acetone	2.46	43	48397	31.13	ug/l	98
17) Carbon Disulfide	2.57	76	30339	4.97	ug/l	100
18) Methyl Acetate	2.79	43	24099	6.57	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	58951	6.43	ug/l	99
20) Methylene Chloride	2.86	84	19523	6.32	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	14355	5.62	ug/l	97
22) Diisopropyl ether	3.88	45	55761	5.95	ug/l	94
23) Vinyl Acetate	3.83	43	248094	30.47	ug/l	98
24) 1,1-Dichloroethane	3.70	63	29973	6.04	ug/l	99
25) 2-Butanone	4.71	43	66785	31.33	ug/l	99
26) 2,2-Dichloropropane	4.59	77	21119	5.44	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	16641	6.00	ug/l	54
28) Bromochloromethane	5.03	49	14136	5.88	ug/l	99
29) Tetrahydrofuran	5.17	42	42910	31.22	ug/l	100
30) Chloroform	5.22	83	28208	5.89	ug/l	98
31) Cyclohexane	5.59	56	15851	4.04	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	20833	5.13	ug/l	99
36) 1,1-Dichloropropene	5.80	75	16931	4.34	ug/l	96
37) Ethyl Acetate	4.87	43	26163	5.58	ug/l	96
38) Carbon Tetrachloride	5.79	117	16348	4.01	ug/l	89

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 ALS Vial : 3 Sample Multiplier: 1

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	13934	3.13	ug/l	89
40) Benzene	6.15	78	61969	5.18	ug/l	99
41) Methacrylonitrile	5.07	41	14706	5.48	ug/l	97
42) 1,2-Dichloroethane	6.21	62	25764	5.42	ug/l	99
43) Isopropyl Acetate	6.48	43	42404	5.32	ug/l	99
44) Trichloroethene	7.21	130	16027	4.83	ug/l	99
45) 1,2-Dichloropropane	7.52	63	17232	5.34	ug/l	93
46) Dibromomethane	7.67	93	11690	5.34	ug/l	98
47) Bromodichloromethane	7.90	83	19159	4.84	ug/l	93
48) Methyl methacrylate	7.78	41	20779	5.19	ug/l	99
49) 1,4-Dioxane	7.76	88	8165	109.12	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	135784	27.37	ug/l	99
52) Toluene	8.79	92	37987	4.99	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	22693	4.78	ug/l	96
54) cis-1,3-Dichloropropene	9.04	75	21532	4.81	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	16826	5.38	ug/l	95
56) Ethyl methacrylate	9.19	69	25952	5.20	ug/l	98
57) 1,3-Dichloropropane	9.38	76	28080	5.35	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	60257	26.07	ug/l	99
59) 2-Hexanone	9.50	43	103130	26.91	ug/l	99
60) Dibromochloromethane	9.59	129	14550	4.62	ug/l	100
61) 1,2-Dibromoethane	9.68	107	17104	5.24	ug/l	98
64) Tetrachloroethene	9.34	164	16819	4.60	ug/l	94
65) Chlorobenzene	10.14	112	43963	4.99	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	15397	4.82	ug/l	98
67) Ethyl Benzene	10.26	91	70898	4.81	ug/l	99
68) m/p-Xylenes	10.37	106	54306	9.47	ug/l	98
69) o-Xylene	10.70	106	28000	4.91	ug/l	97
70) Styrene	10.72	104	45121	4.84	ug/l	100
71) Bromoform	10.86	173	10557	4.17	ug/l #	97
73) Isopropylbenzene	11.02	105	68338	4.98	ug/l	99
74) N-amyl acetate	6.48	43	42404	5.73	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	24814	5.74	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	24319m	6.14	ug/l	
77) Bromobenzene	11.26	156	20817	5.40	ug/l	98
78) n-propylbenzene	11.37	91	71432	4.68	ug/l	99
79) 2-Chlorotoluene	11.43	91	50530	5.24	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	59178	5.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	5951	4.82	ug/l	86
82) 4-Chlorotoluene	11.51	91	56363	5.07	ug/l	99
83) tert-Butylbenzene	11.77	119	56233	4.90	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	61141	5.04	ug/l	99
85) sec-Butylbenzene	11.95	105	59315	4.41	ug/l	99
86) p-Isopropyltoluene	12.07	119	55229	4.51	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	34850	5.05	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	35419	4.98	ug/l	93
89) n-Butylbenzene	12.39	91	40007	3.89	ug/l	100
90) Hexachloroethane	12.60	117	8475	4.33	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	38027	5.33	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	5029	5.32	ug/l	97

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MSVOA_X
ClientSampleId :
VSTDICC005

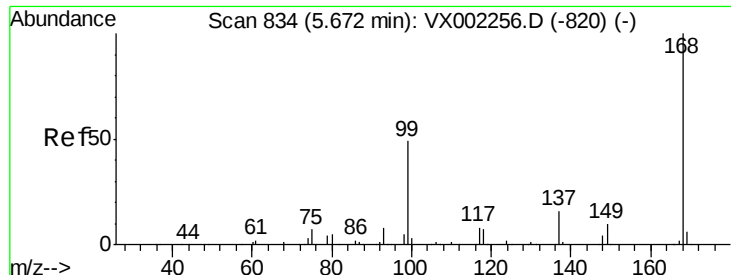
Manual Integrations
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Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	23561	4.71	ug/l	99
94) Hexachlorobutadiene	13.79	225	9376	3.79	ug/l	99
95) Naphthalene	13.84	128	73909	5.14	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	24712	4.84	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 217404

Ion Ratio Lower Upper

168 100

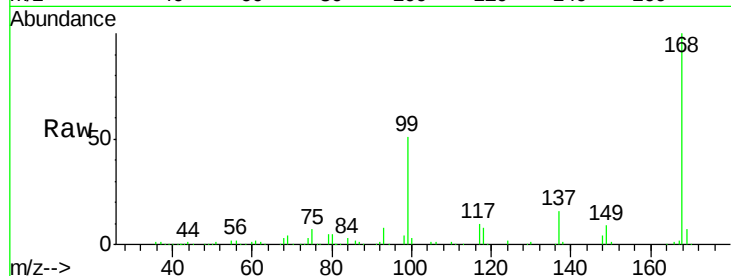
99 50.8 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

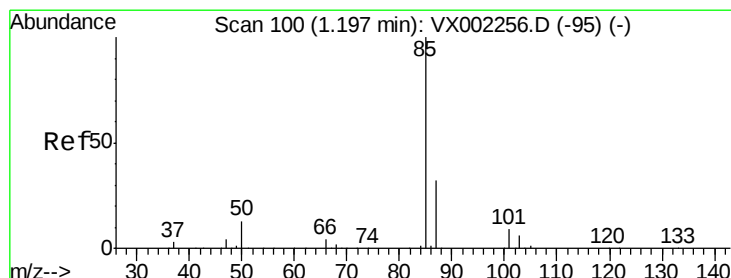
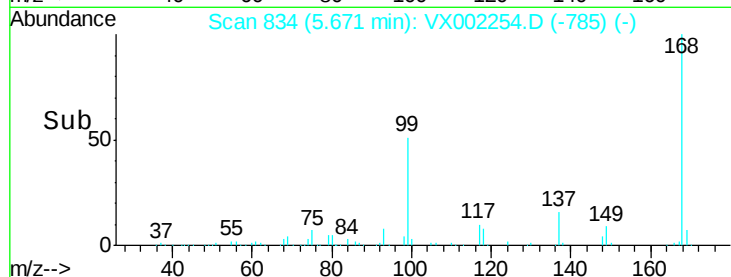
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 3.83 ug/l

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX002254.D

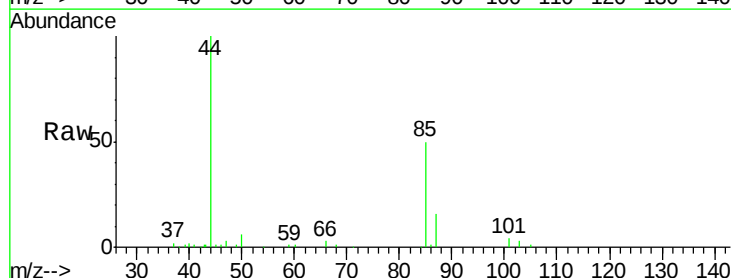
Acq: 04 Jun 2018 10:33

Tgt Ion: 85 Resp: 8648

Ion Ratio Lower Upper

85 100

87 33.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

8000

6000

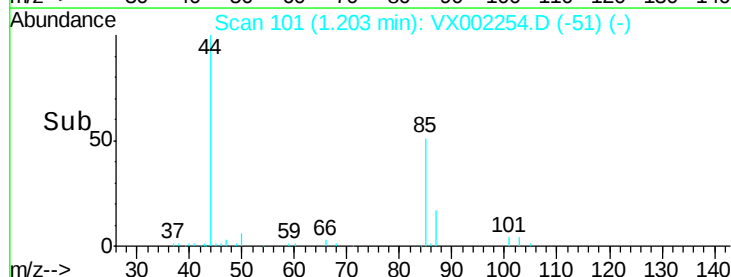
4000

2000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 5.99 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 17814

Ion Ratio Lower Upper

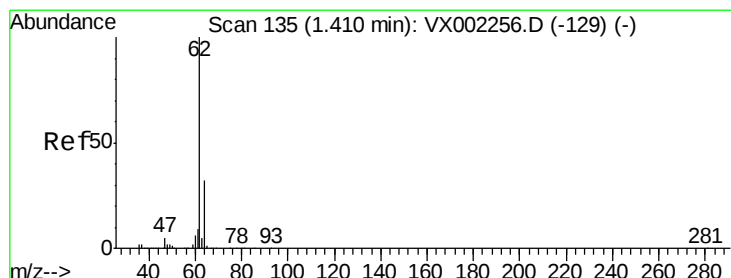
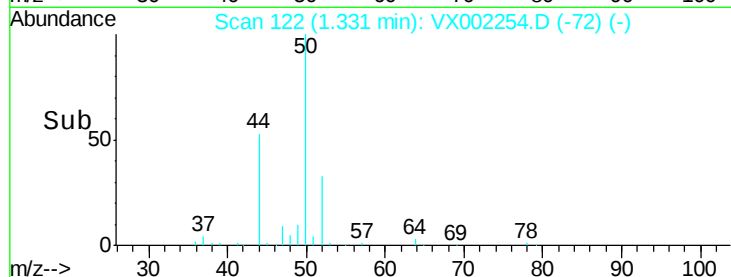
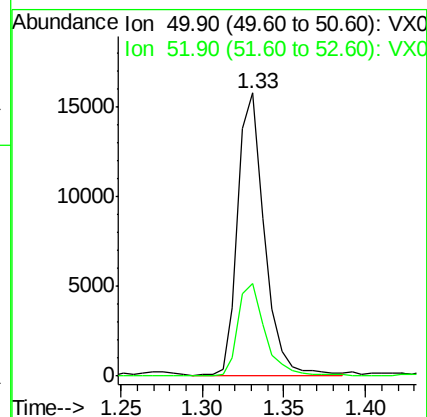
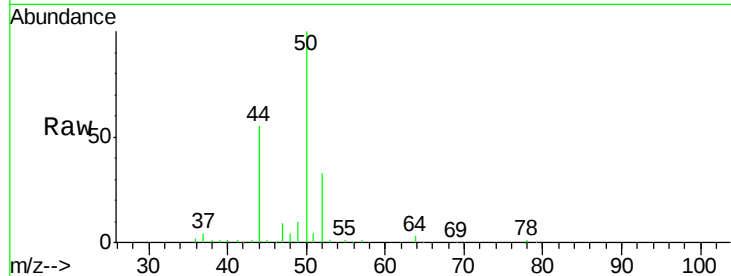
50 100

52 32.7 25.7 38.5

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#4

Vinyl Chloride

Concen: 5.27 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002254.D

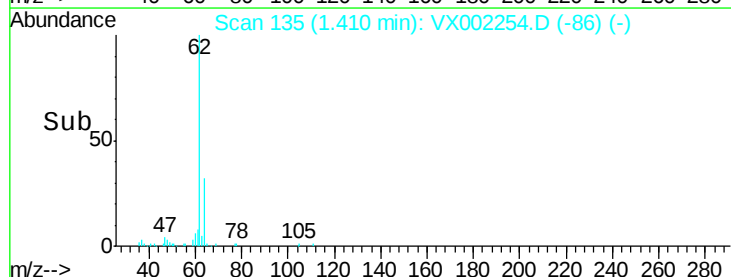
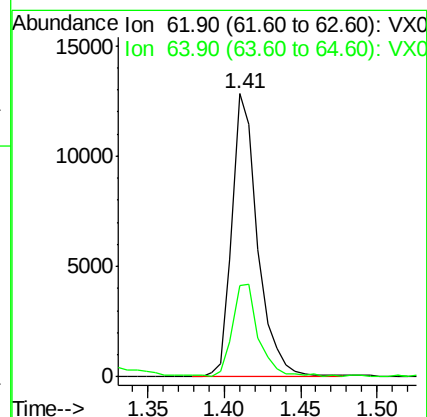
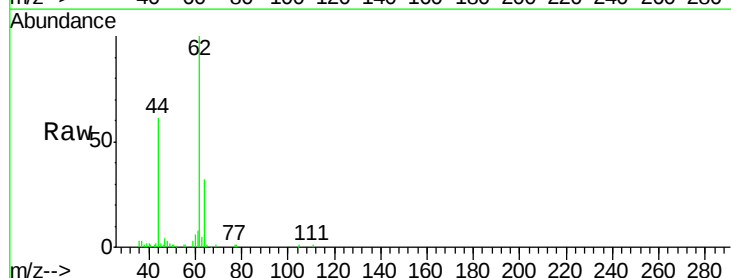
Acq: 04 Jun 2018 10:33

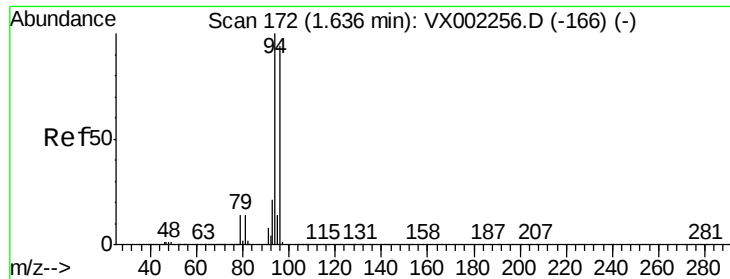
Tgt Ion: 62 Resp: 15002

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 5.98 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 13539

Ion Ratio Lower Upper

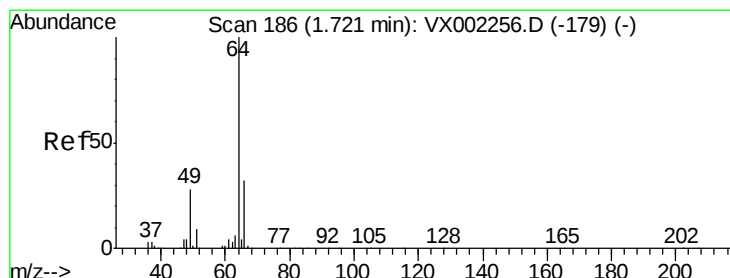
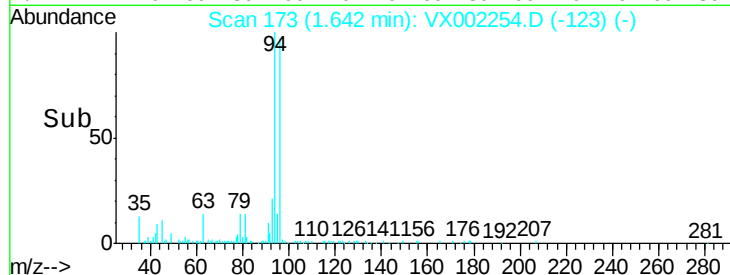
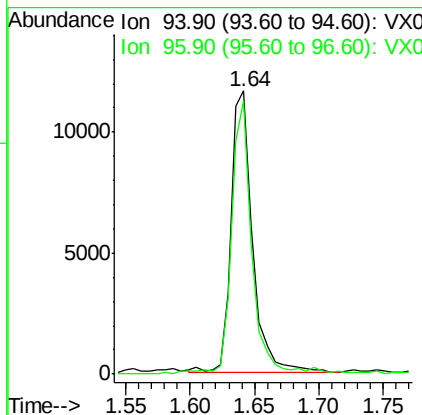
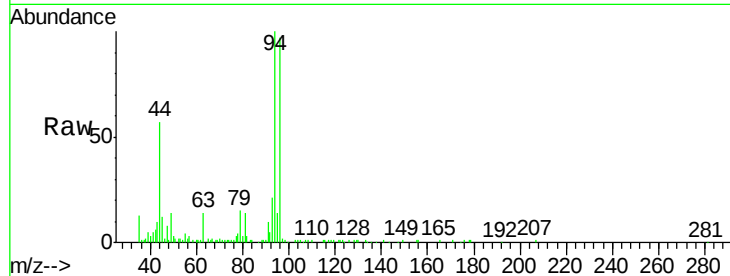
94 100

96 96.5 74.9 112.3

Manual Integrations
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#6

Chloroethane

Concen: 6.02 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002254.D

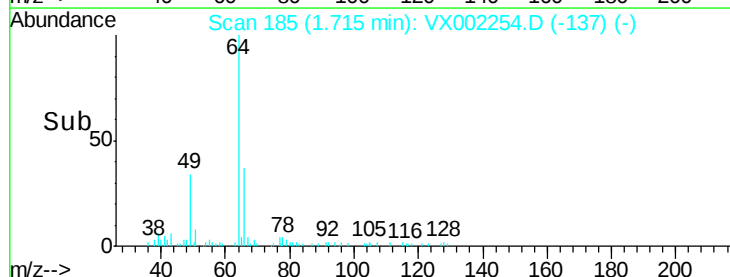
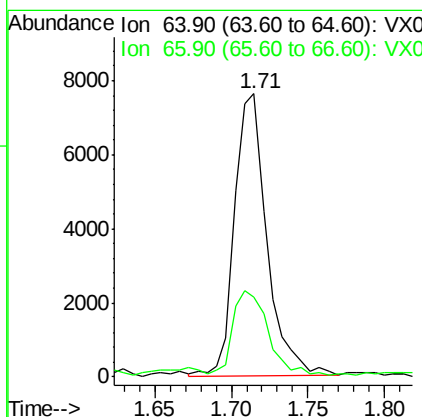
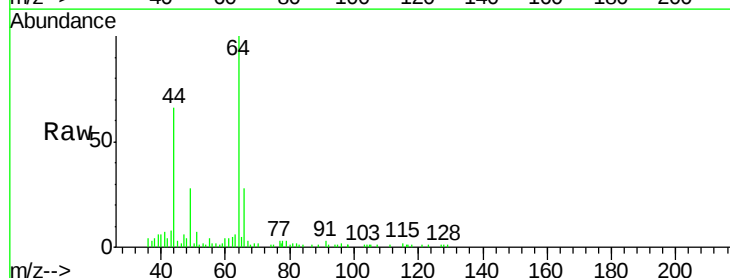
Acq: 04 Jun 2018 10:33

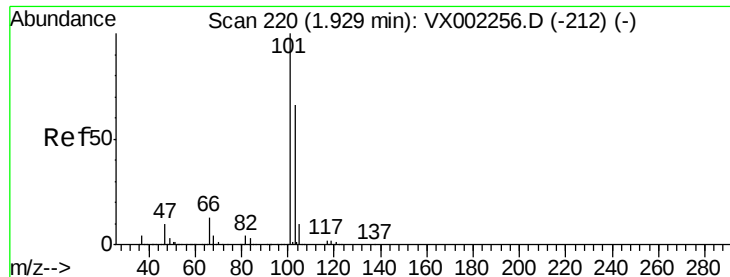
Tgt Ion: 64 Resp: 11093

Ion Ratio Lower Upper

64 100

66 27.7 25.5 38.3





#7

Trichlorofluoromethane

Concen: 4.36 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 18905

Ion Ratio Lower Upper

101 100

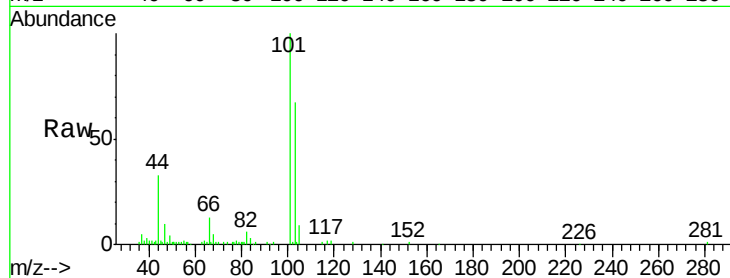
103 66.7 52.8 79.2

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

15000

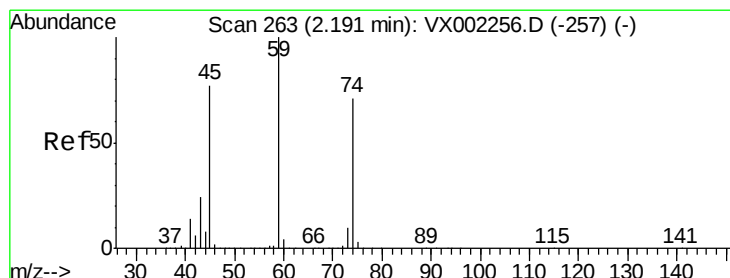
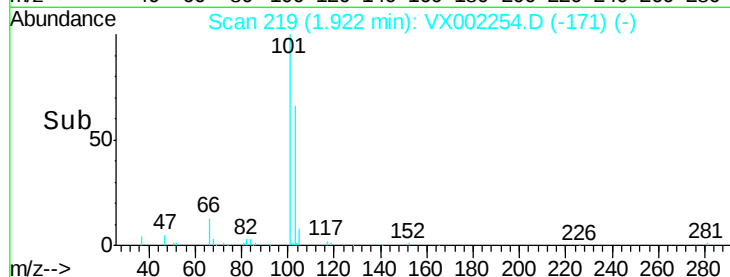
10000

5000

0

1.85 1.90 1.95 2.00

Time-->



#8

Diethyl Ether

Concen: 6.27 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX002254.D

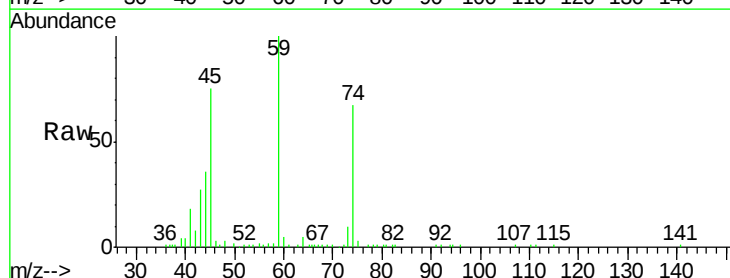
Acq: 04 Jun 2018 10:33

Tgt Ion: 74 Resp: 11081

Ion Ratio Lower Upper

74 100

45 106.0 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

8000

6000

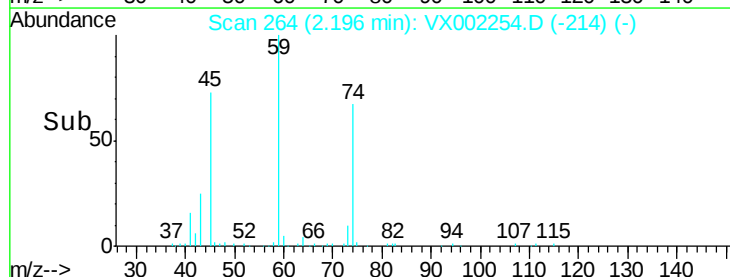
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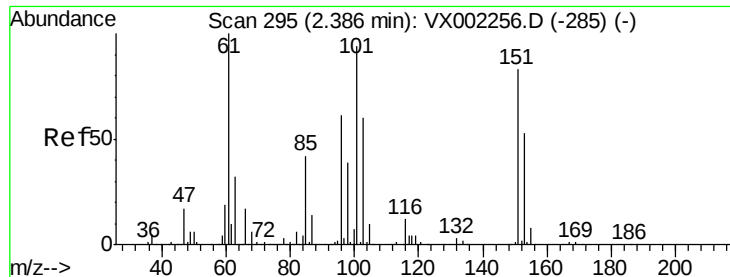
2000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.93 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

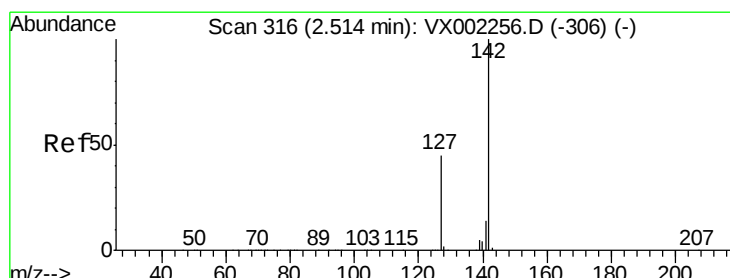
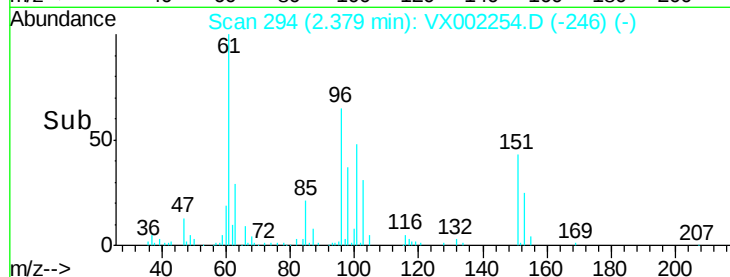
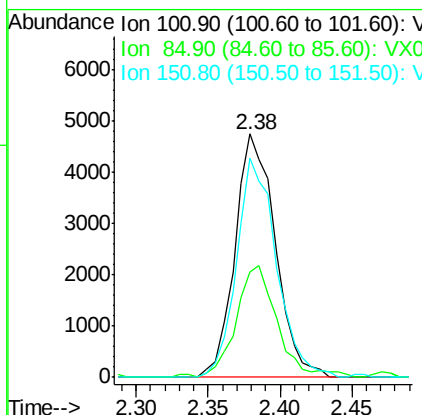
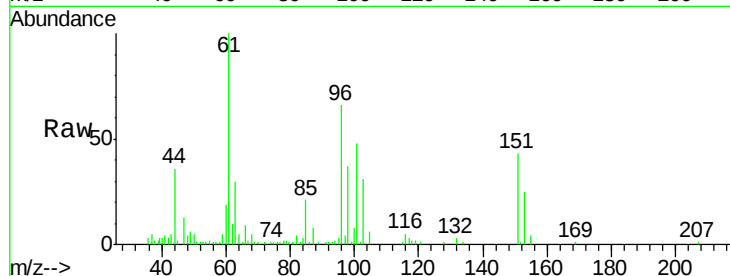
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.0	54.0
151	89.2	70.9	106.3

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#10

Methyl Iodide

Concen: 5.06 ug/l

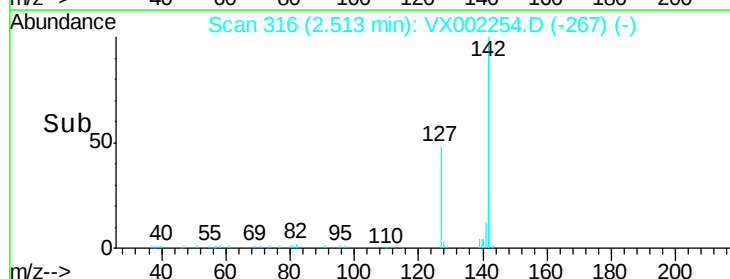
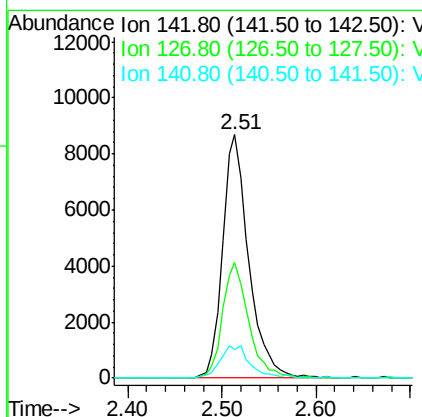
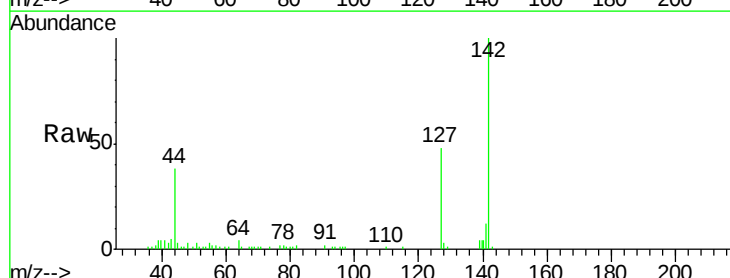
RT: 2.51 min Scan# 316

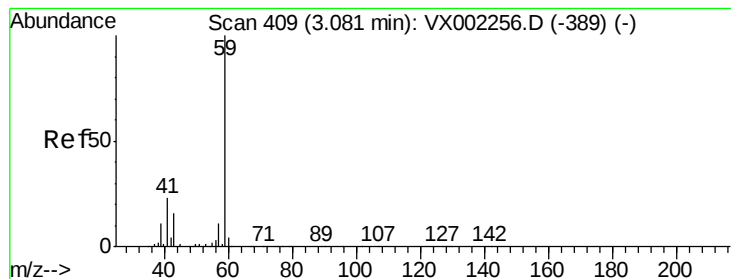
Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.3	36.6	55.0
141	15.4	11.3	16.9





#11

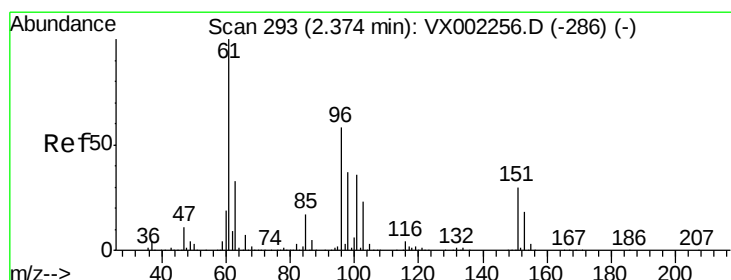
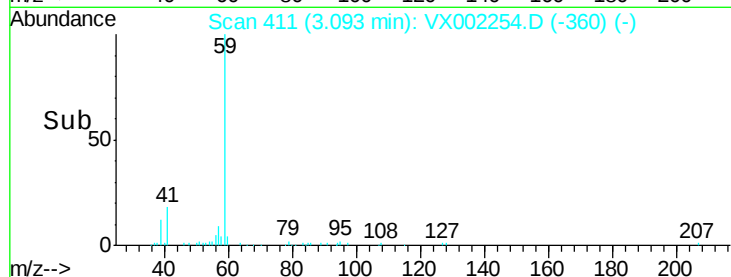
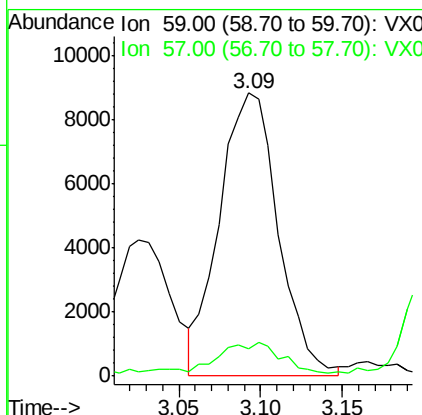
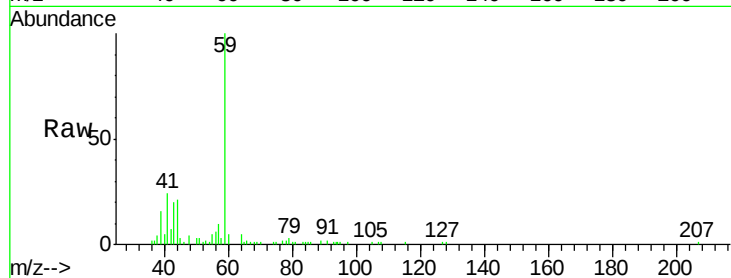
Tert butyl alcohol
 Concen: 31.92 ug/l
 RT: 3.09 min Scan# 411
 Delta R.T. 0.01 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	59	Resp	22235
Ion Ratio	100	Lower	Upper
57	10.9	8.2	12.2

Manual Integrations
 APPROVED

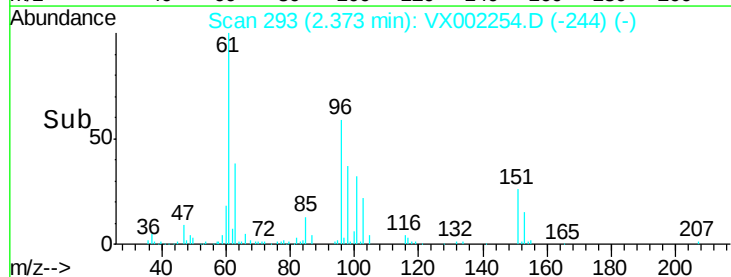
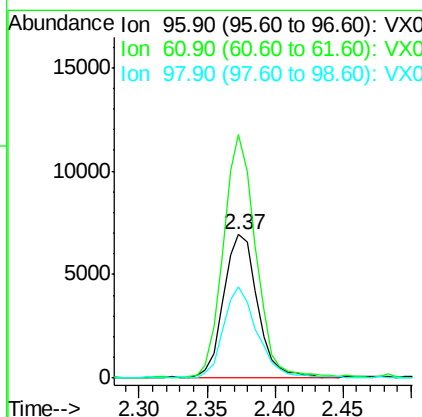
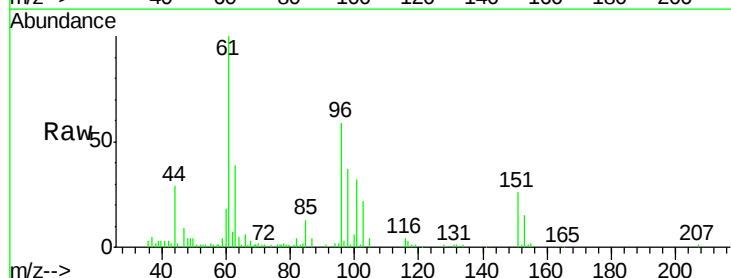
MMDadoda
 6/5/2018 5:56:01 PM

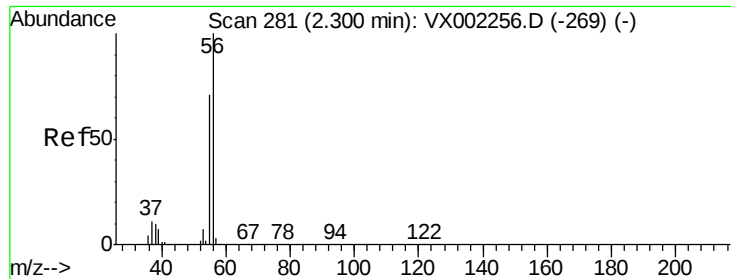


#12

1,1-Dichloroethene
 Concen: 5.23 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Tgt Ion	96	Resp	12106
Ion Ratio	100	Lower	Upper
61	168.7	137.9	206.9
98	63.5	51.6	77.4





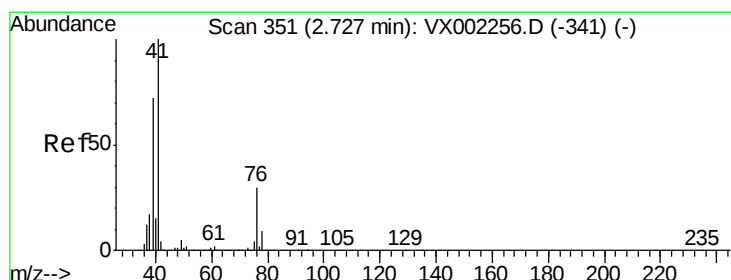
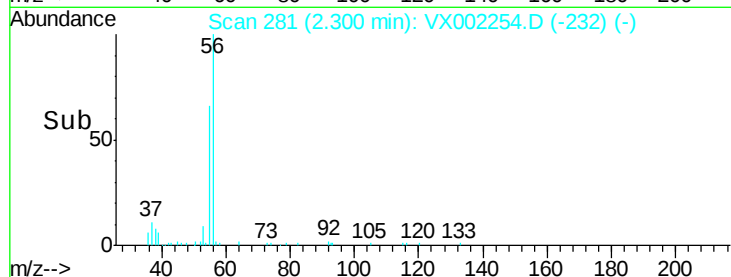
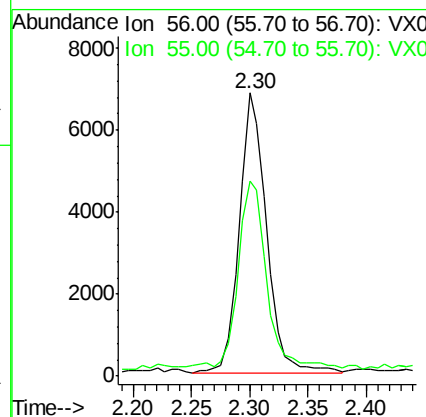
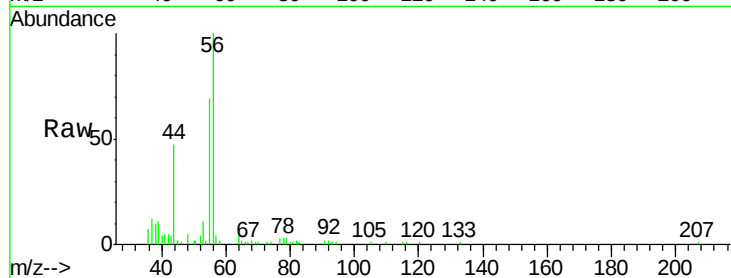
#13
Acrolein
Concen: 33.02 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.2	57.0	85.4

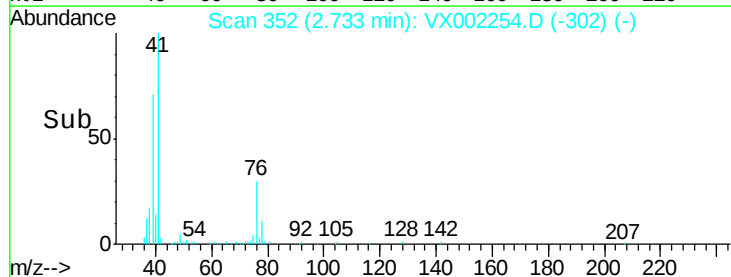
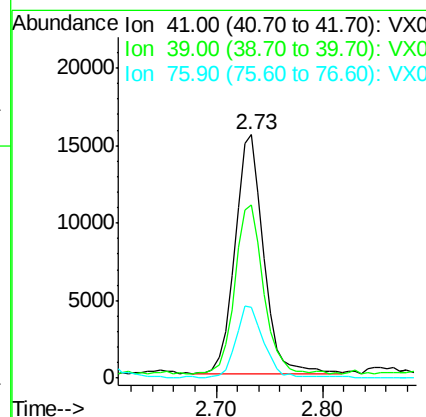
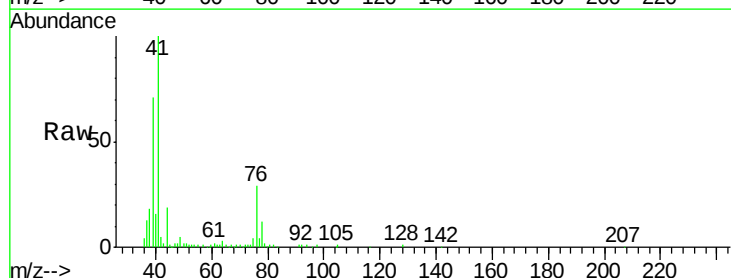
Manual Integrations
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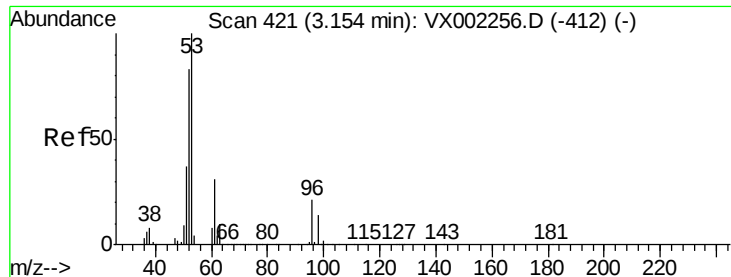
MMDadoda
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#14
Allyl chloride
Concen: 5.76 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

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





#15

Acrylonitrile

Concen: 31.55 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

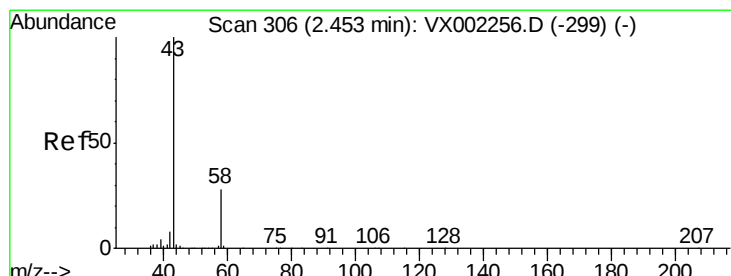
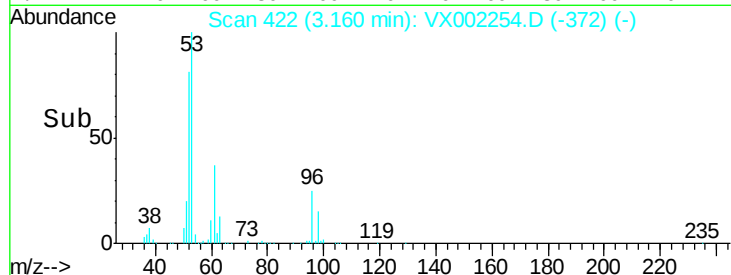
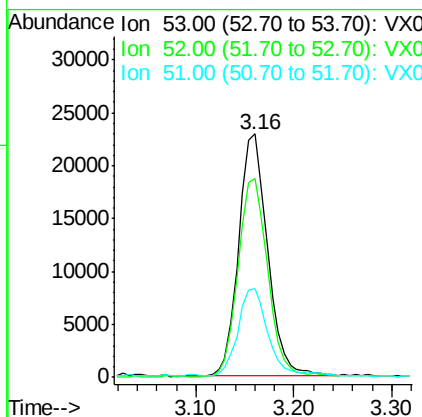
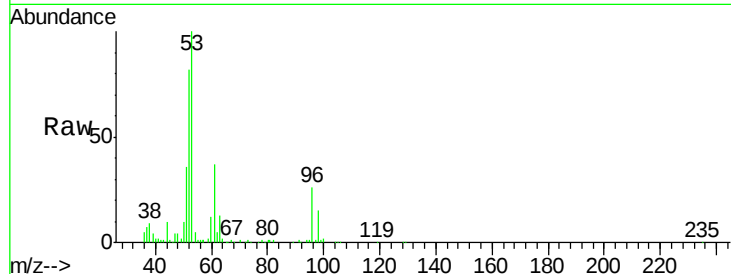
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	46787
Ion	Ratio	Lower	Upper
53	100		
52	84.9	66.7	100.1
51	37.9	29.9	44.9

Manual Integrations
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6/5/2018 5:56:01 PM



#16

Acetone

Concen: 31.13 ug/l

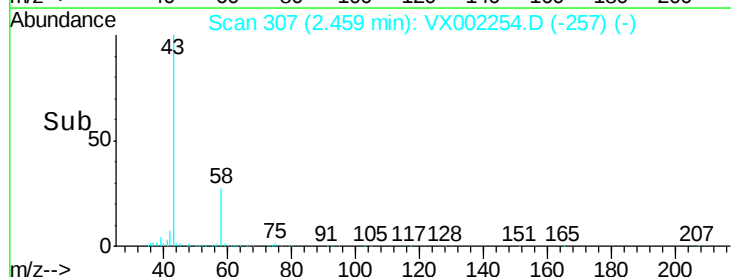
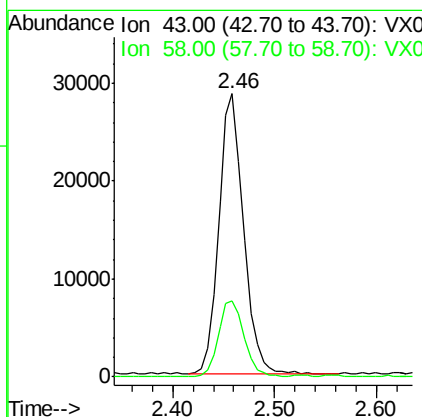
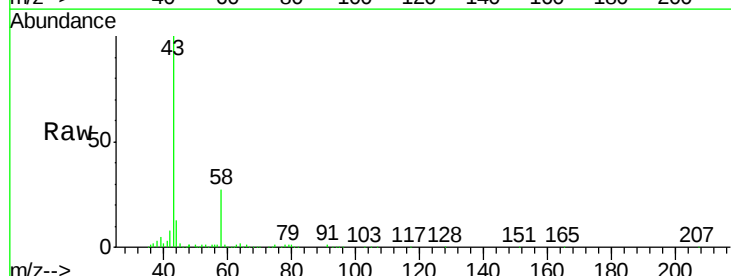
RT: 2.46 min Scan# 307

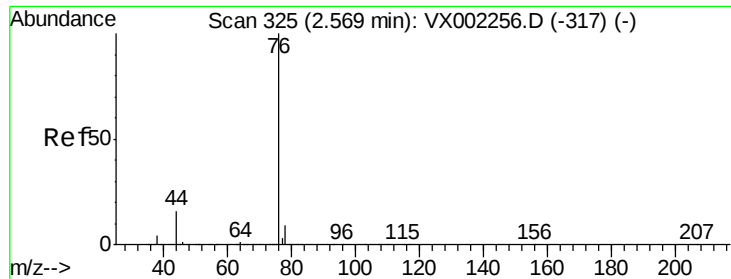
Delta R.T. 0.01 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Tgt Ion:	43	Resp:	48397
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.1	33.1





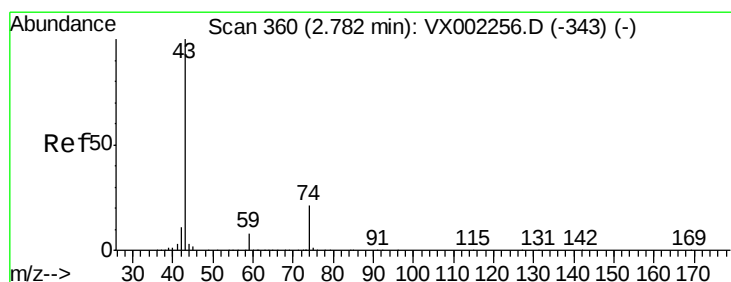
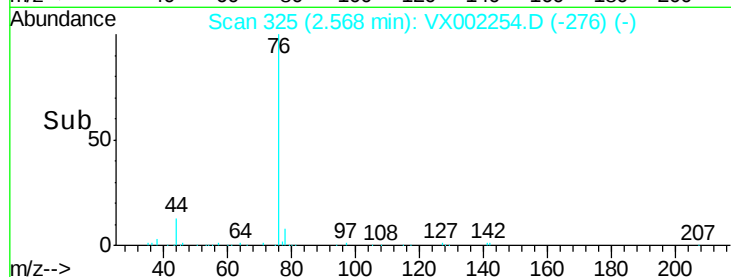
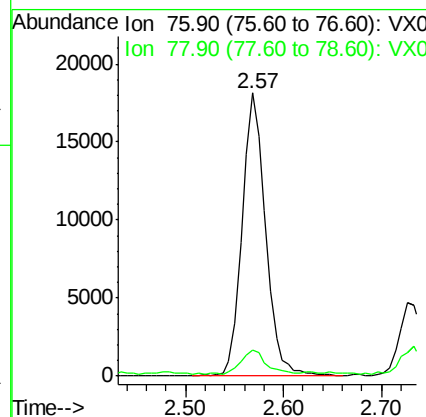
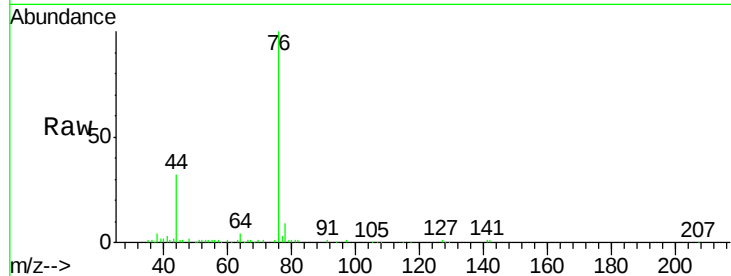
#17
Carbon Disulfide
Concen: 4.97 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.9	10.3

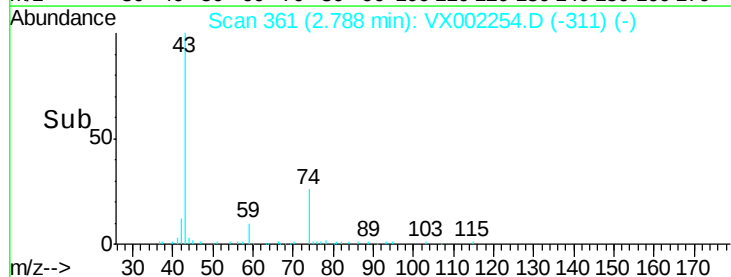
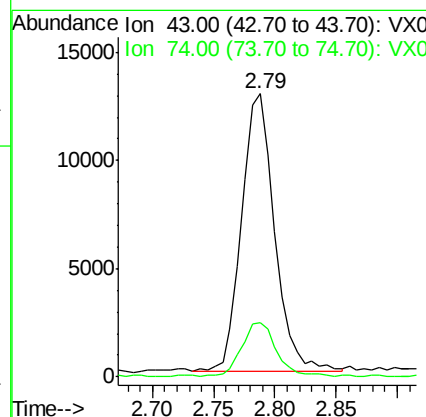
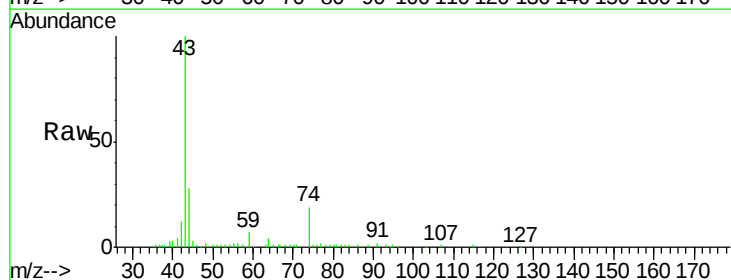
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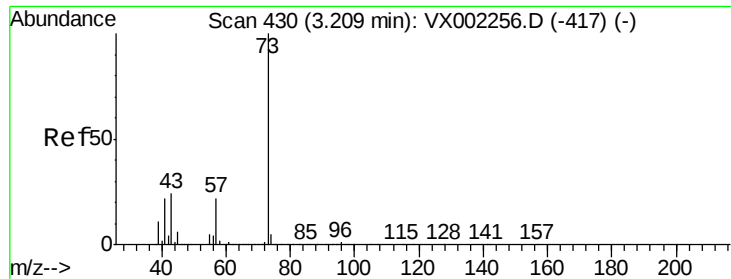
MMDadoda
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#18
Methyl Acetate
Concen: 6.57 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.7	25.1





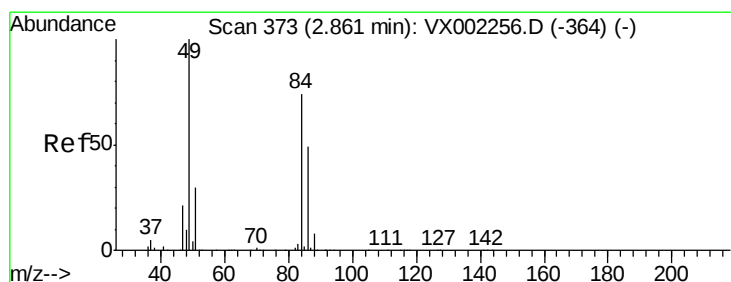
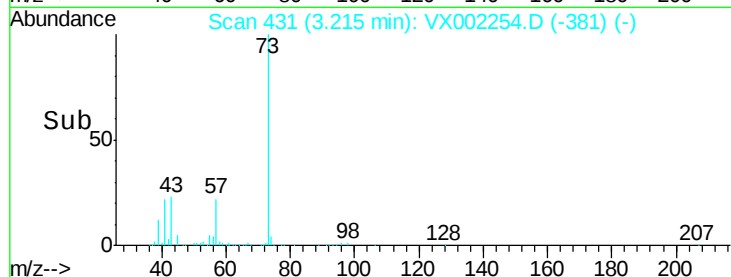
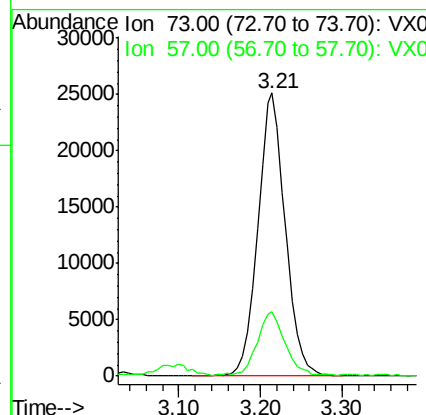
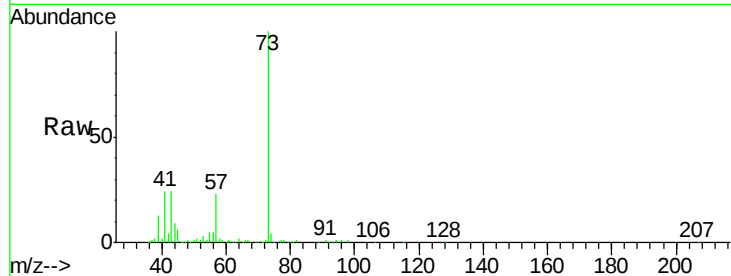
#19
Methyl tert-butyl Ether
Concen: 6.43 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.7	26.5

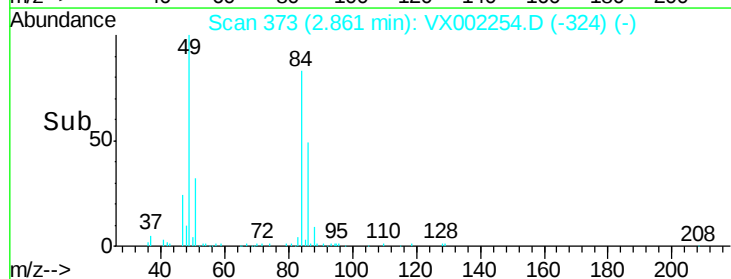
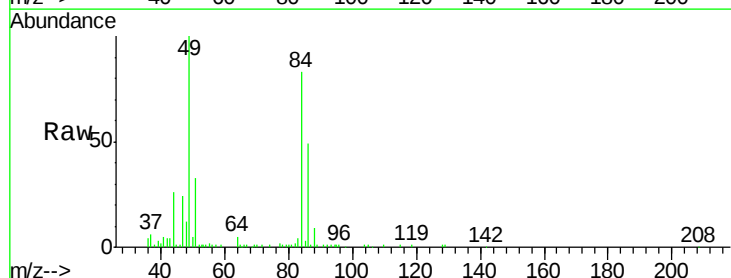
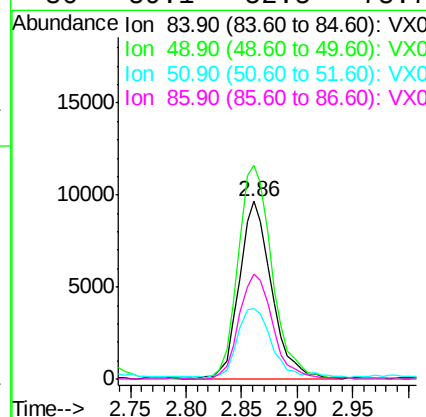
Manual Integrations
APPROVED

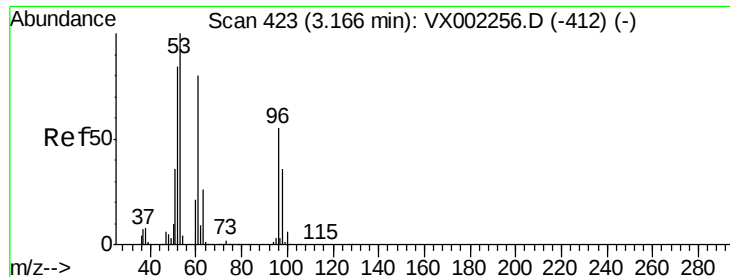
MMDadoda
6/5/2018 5:56:01 PM



#20
Methylene Chloride
Concen: 6.32 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.7	107.8	161.6
51	38.9	32.8	49.2
86	59.1	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 5.62 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

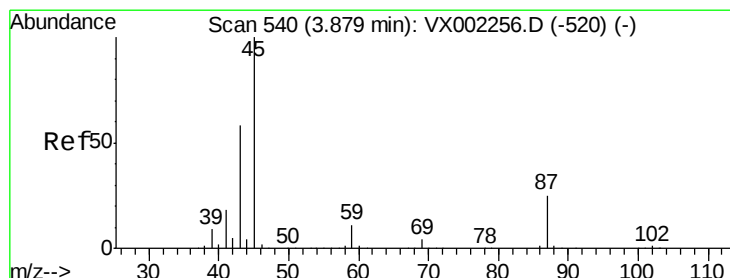
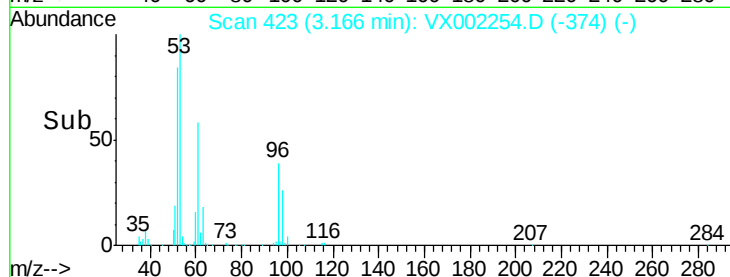
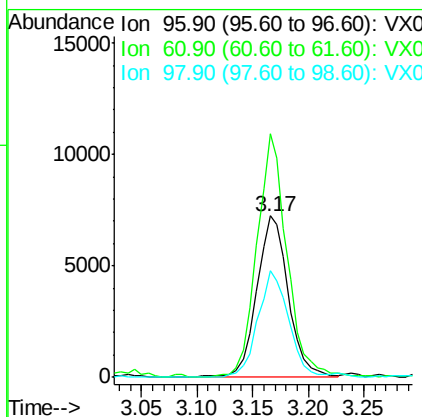
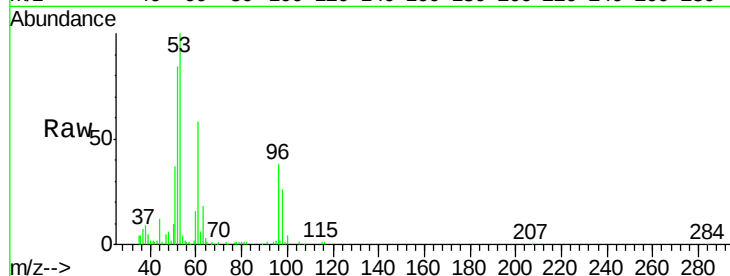
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	14355
Ion	Ratio	Lower	Upper
96	100		
61	151.1	117.0	175.4
98	66.3	52.4	78.6

Manual Integrations
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6/5/2018 5:56:01 PM



#22

Diisopropyl ether

Concen: 5.95 ug/l

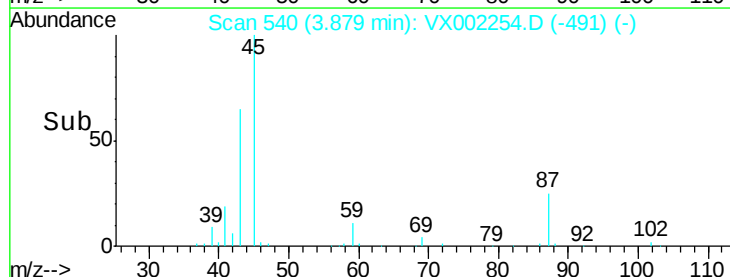
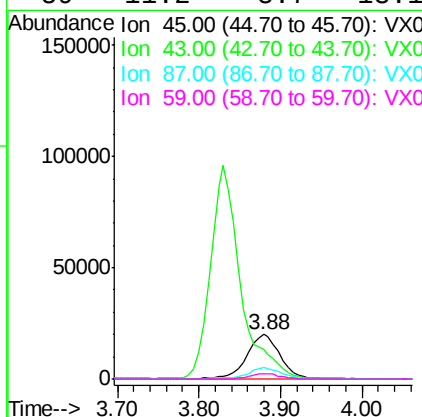
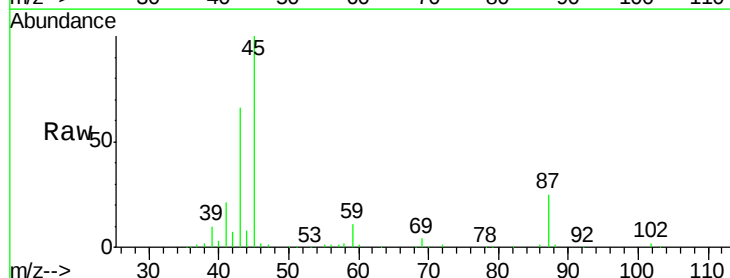
RT: 3.88 min Scan# 540

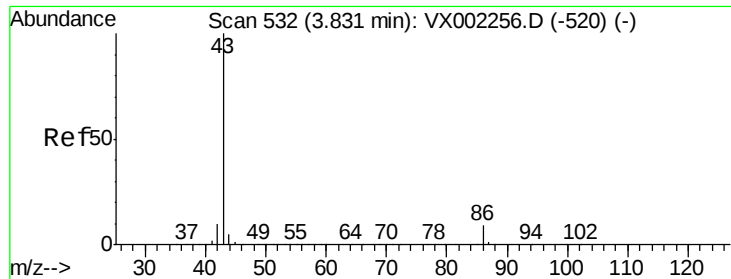
Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Tgt Ion:	45	Resp:	55761
Ion	Ratio	Lower	Upper
45	100		
43	65.1	46.8	70.2
87	25.4	20.2	30.4
59	11.2	8.7	13.1





#23

Vinyl Acetate

Concen: 30.47 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 248094

Ion Ratio Lower Upper

43 100

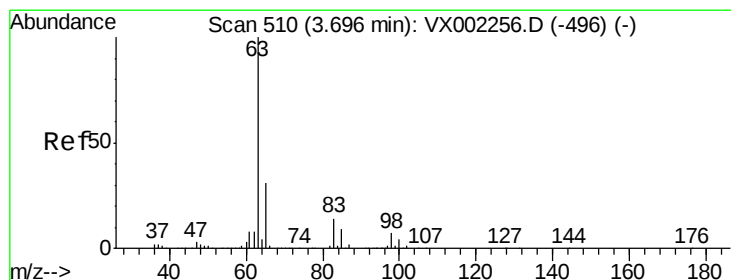
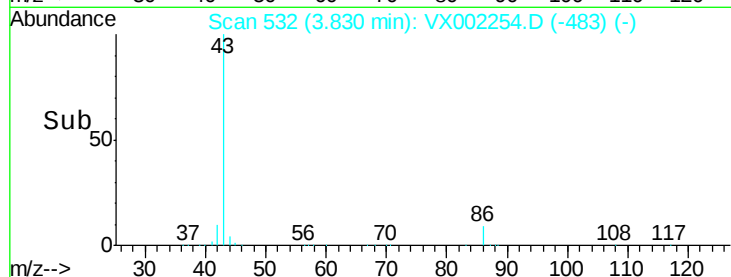
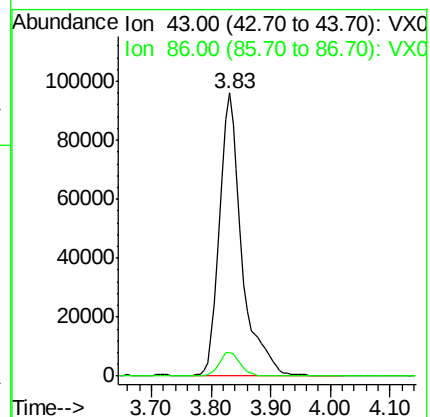
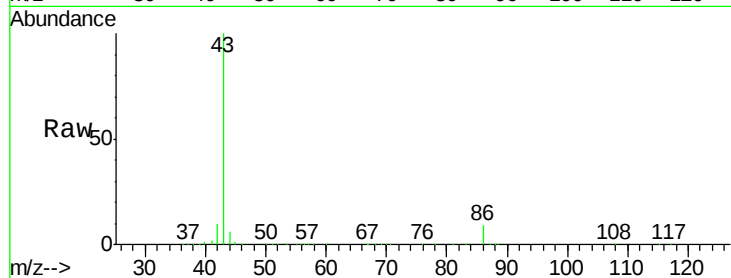
86 8.6 7.4 11.0

Manual Integrations

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6/5/2018 5:56:01 PM



#24

1,1-Dichloroethane

Concen: 6.04 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

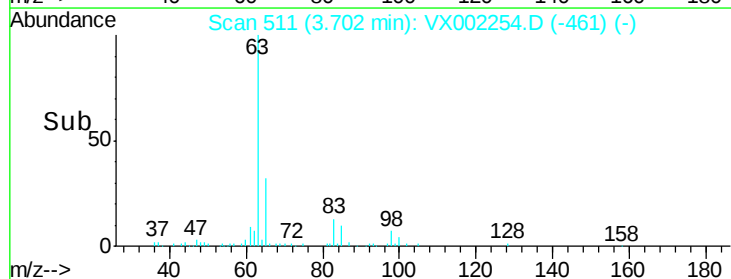
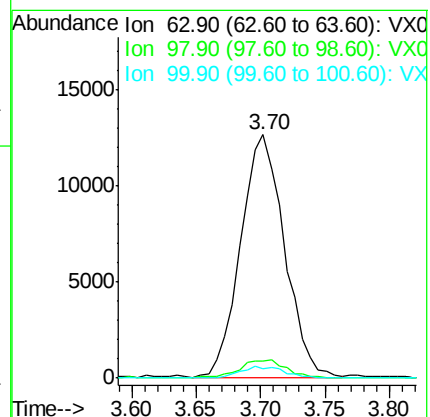
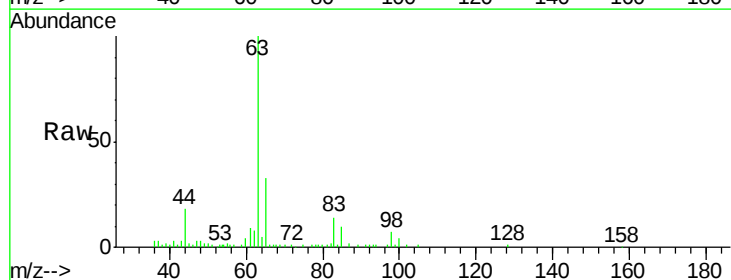
Tgt Ion: 63 Resp: 29973

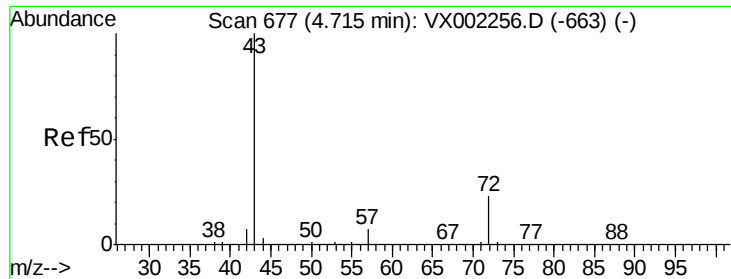
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 31.33 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Tot Ion: 43 Resp: 66785

Ion Ratio Lower Upper

43 100

72 22.7 18.5 27.7

Instrument :

MSVOA_X

ClientSampleId :

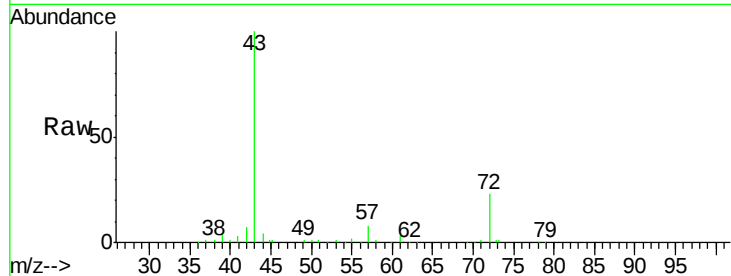
VSTDIC005

Manual Integrations

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6/5/2018 5:56:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

25000

20000

15000

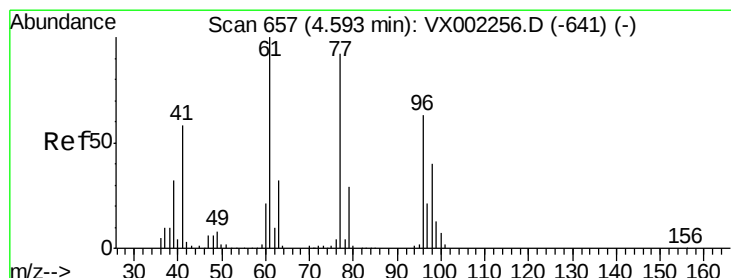
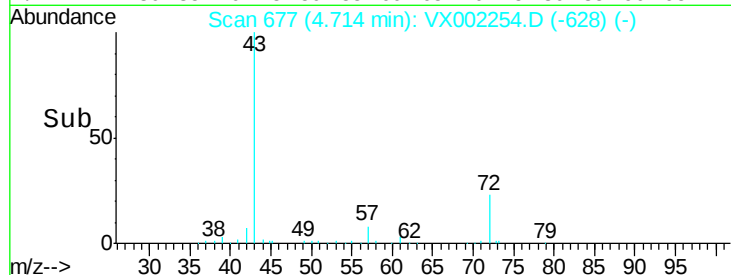
10000

5000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 5.44 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002254.D

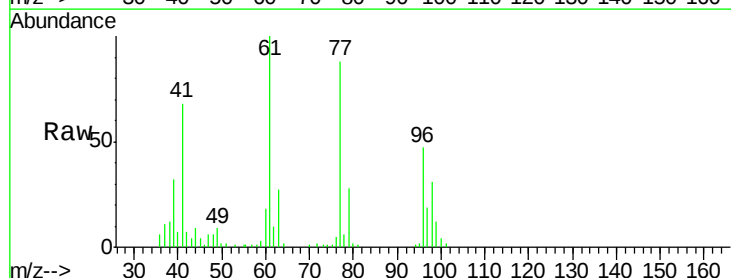
Acq: 04 Jun 2018 10:33

Tgt Ion: 77 Resp: 21119

Ion Ratio Lower Upper

77 100

97 23.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

6000

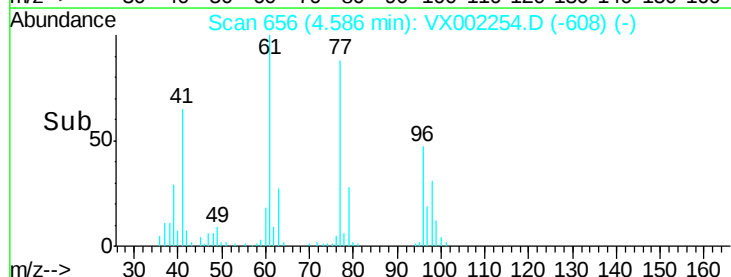
4000

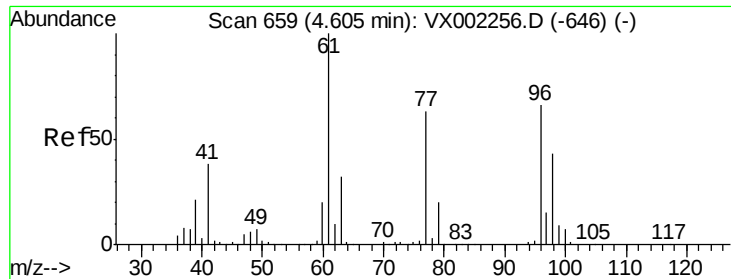
2000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 6.00 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Tot Ion:	96	Resp:	16641
Ion	Ratio	Lower	Upper
96	100		
61	250.1	0.0	330.2
98	66.2	0.0	130.2

Instrument :

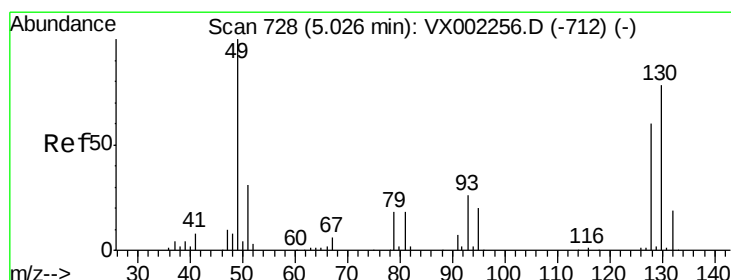
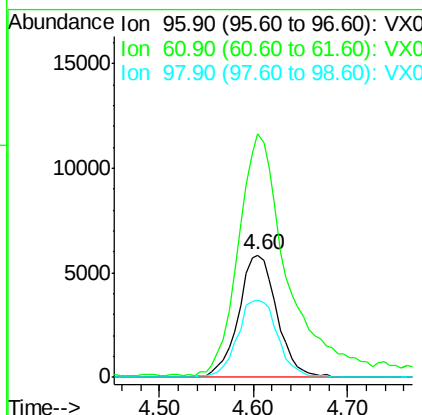
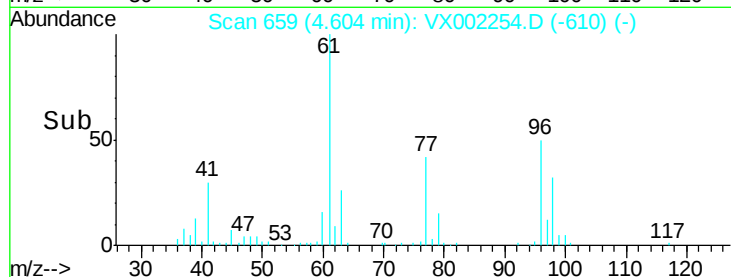
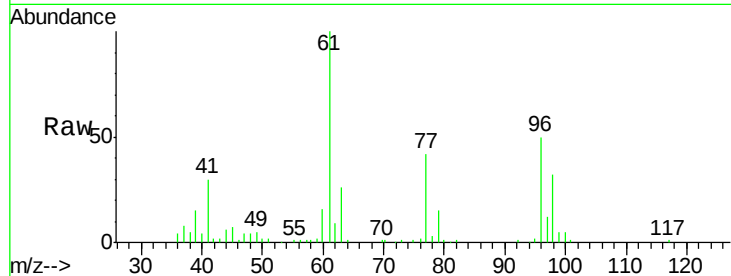
MSVOA_X

ClientSampleId :

VSTDIC005

Manual Integrations
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MMDadoda
6/5/2018 5:56:01 PM



#28

Bromochloromethane

Concen: 5.88 ug/l

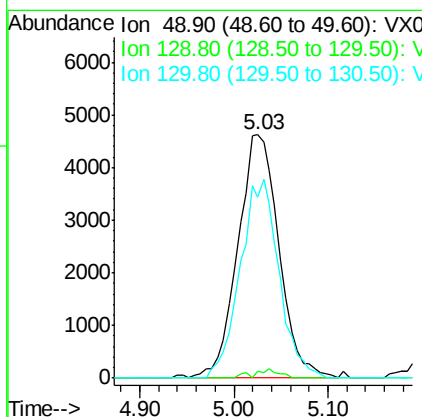
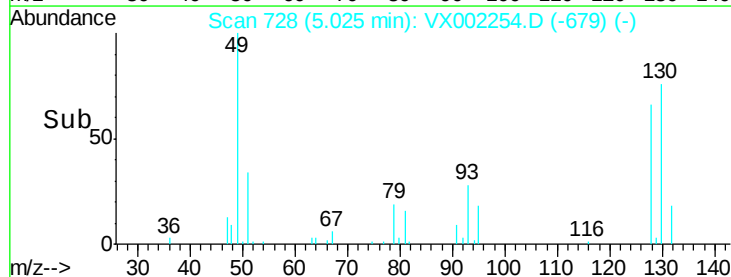
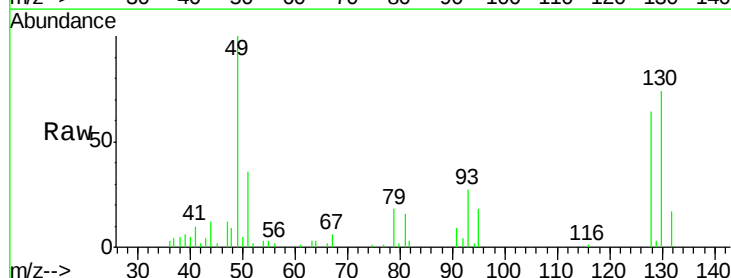
RT: 5.03 min Scan# 728

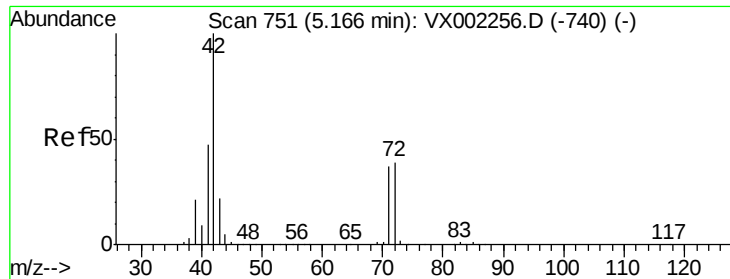
Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Tgt Ion:	49	Resp:	14136
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.2
130	77.0	61.2	91.8





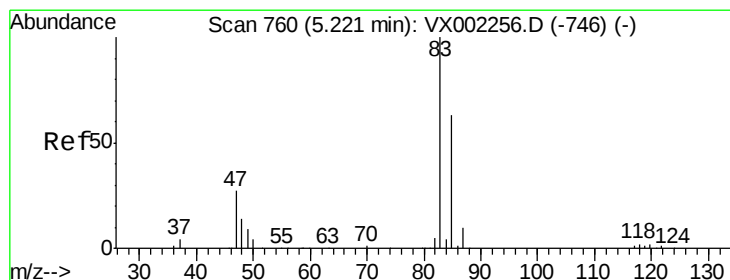
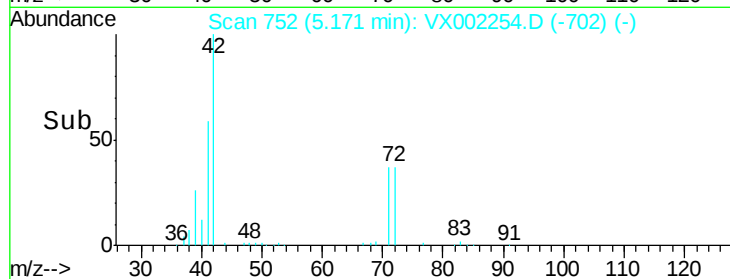
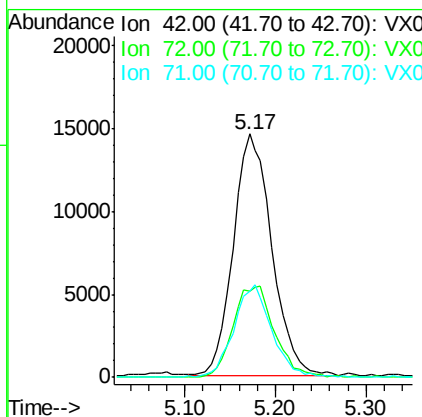
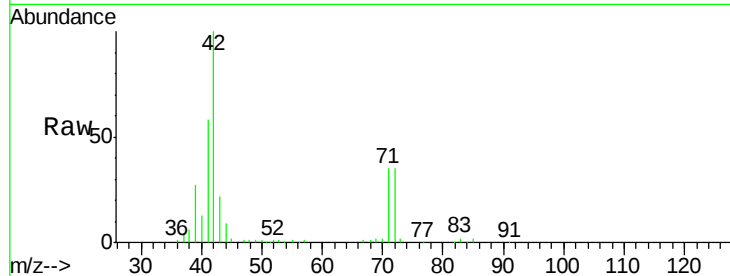
#29
Tetrahydrofuran
Concen: 31.22 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.0	48.0
71	37.7	30.1	45.1

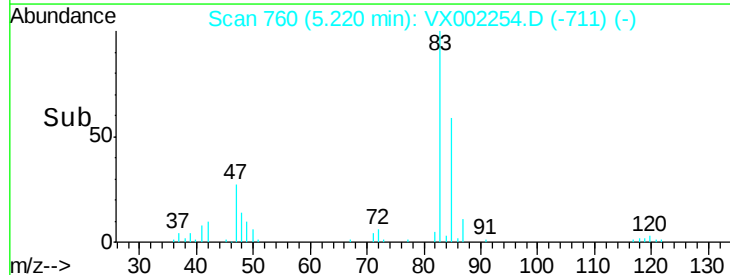
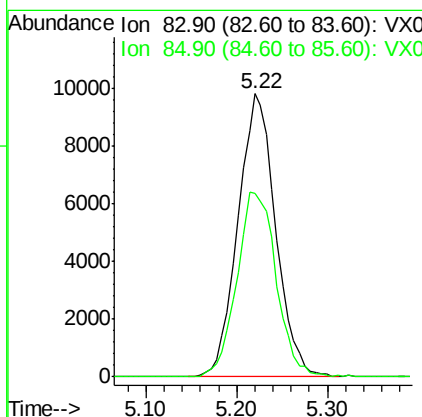
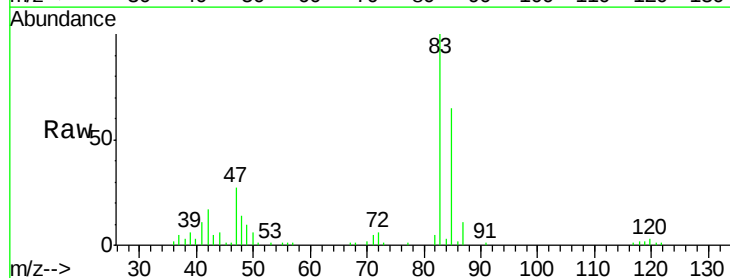
Manual Integrations
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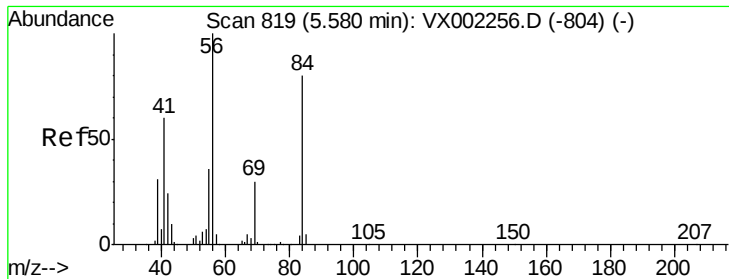
MMDadoda
6/5/2018 5:56:01 PM



#30
Chloroform
Concen: 5.89 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.4	75.6





#31

Cvclohexane

Concen: 4.04 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

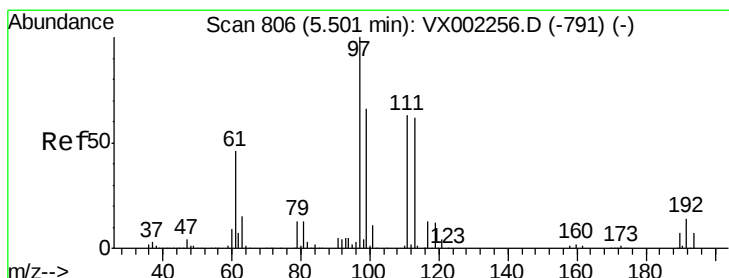
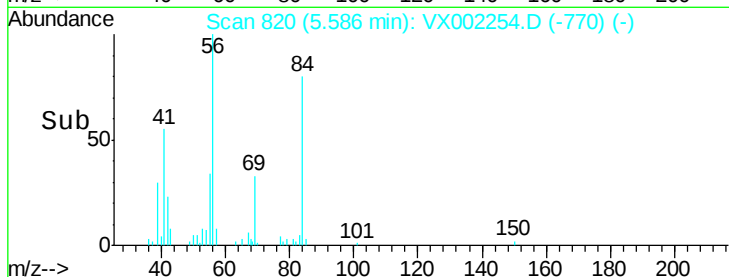
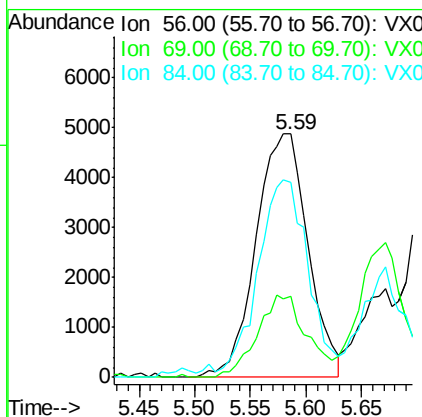
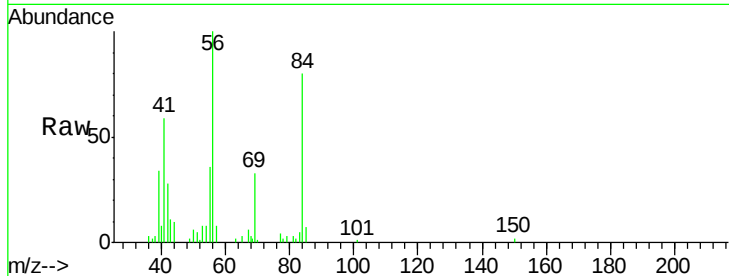
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	15851
Ion	Ratio	Lower	Upper
56	100		
69	33.1	23.7	35.5
84	77.5	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 5.13 ug/l

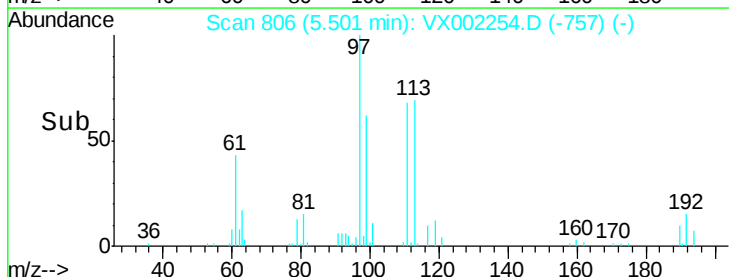
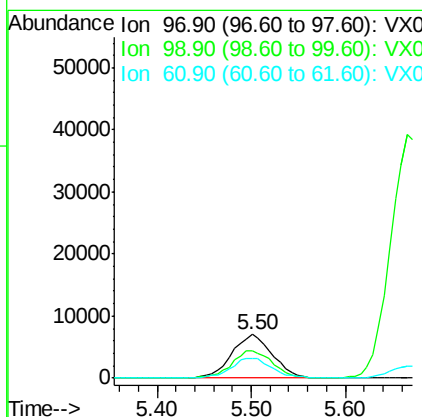
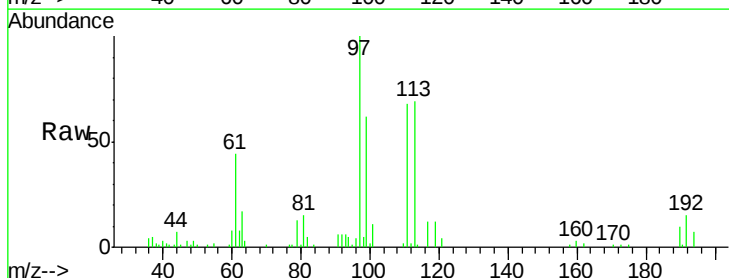
RT: 5.50 min Scan# 806

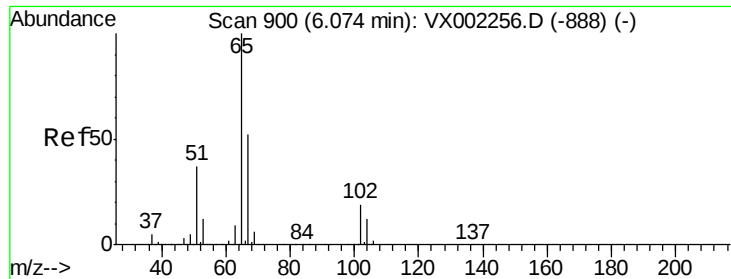
Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Tgt Ion:	97	Resp:	20833
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	47.0	36.4	54.6





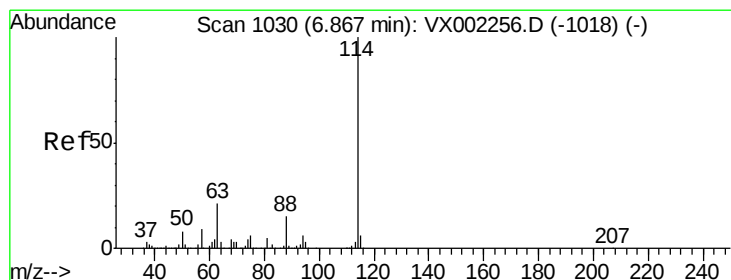
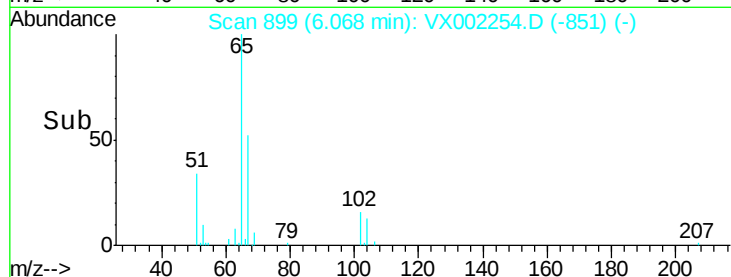
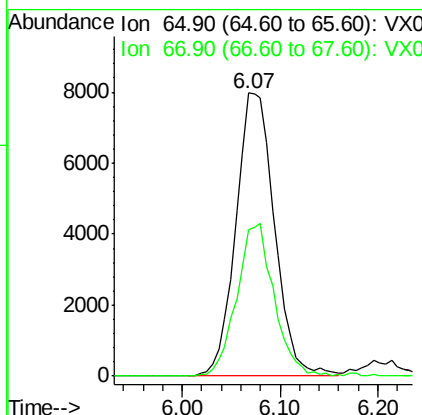
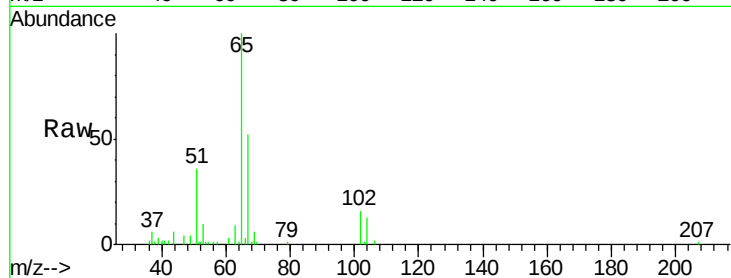
#33
 1,2-Dichloroethane-d4
 Concen: 6.47 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	21865		
67	51.9	0.0	102.6	

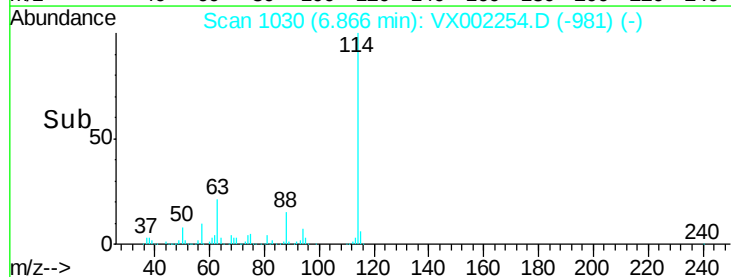
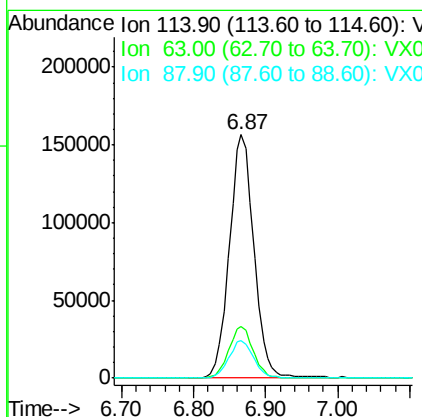
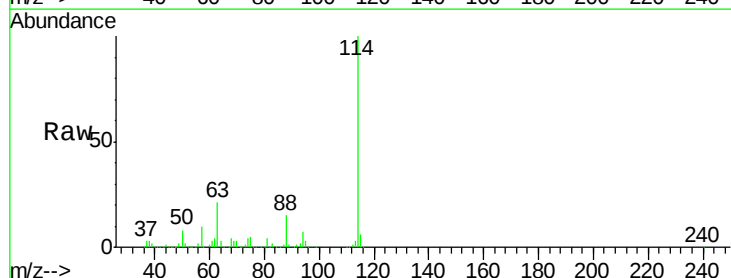
Manual Integrations
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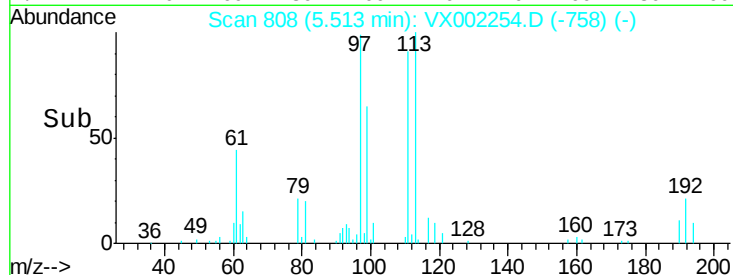
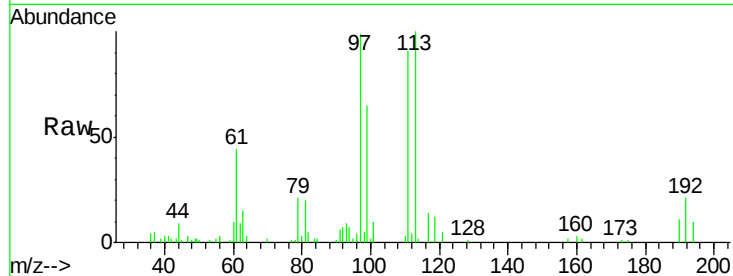
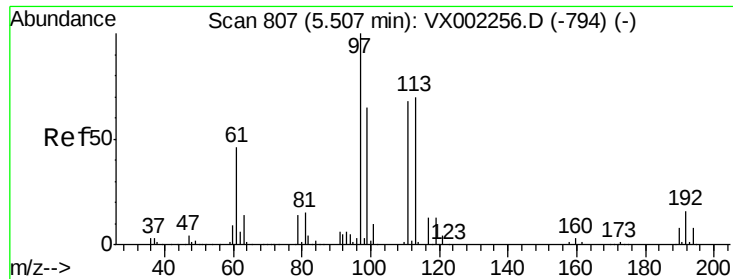
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 6/5/2018 5:56:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	370993		
63	20.9	0.0	41.4	
88	15.4	0.0	30.0	





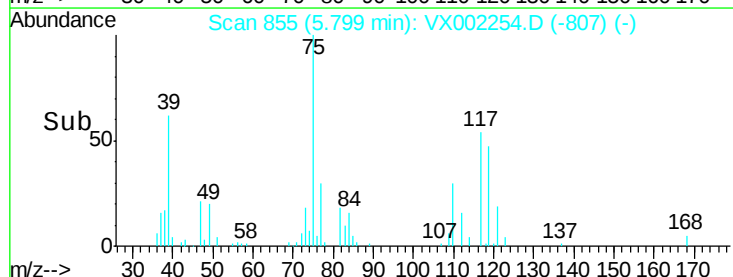
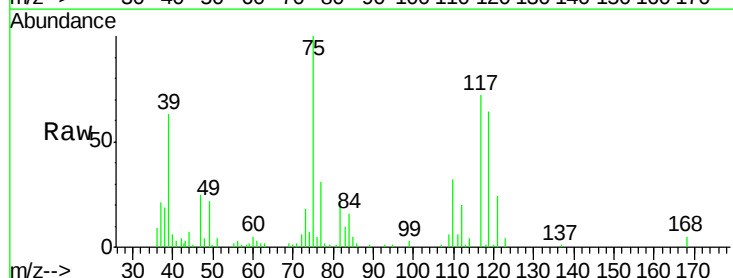
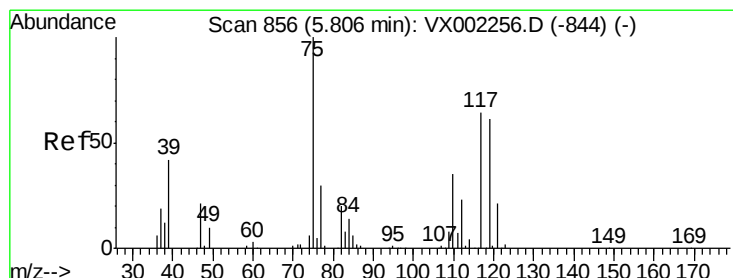
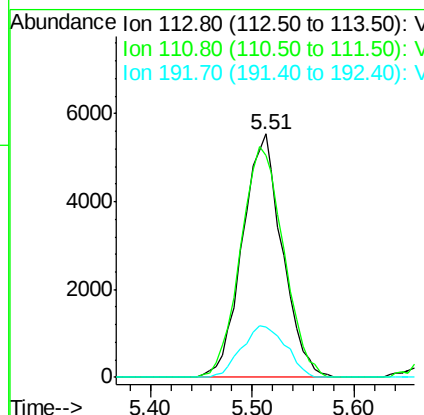
#35
Dibromofluoromethane
Concen: 5.14 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	23.5	19.1	28.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

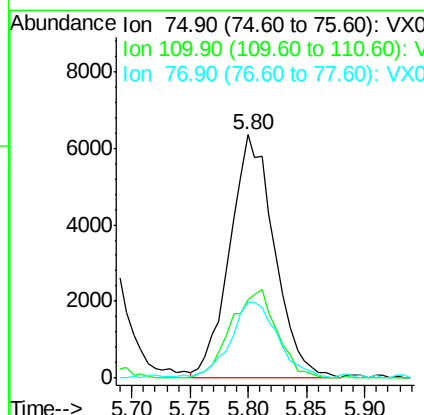
Manual Integrations
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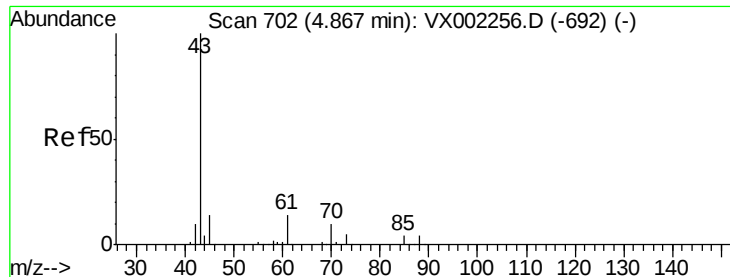
MMDadoda
6/5/2018 5:56:01 PM



#36
1,1-Dichloropropene
Concen: 4.34 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.01 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.1	54.4
77	33.5	24.3	36.5





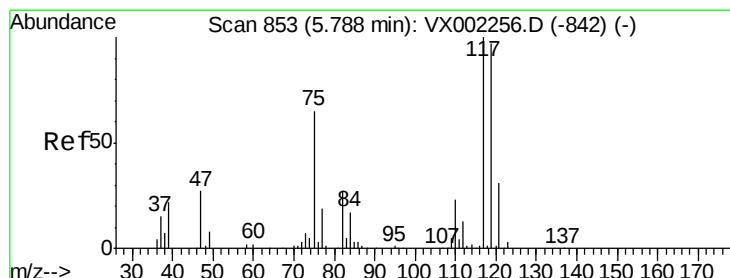
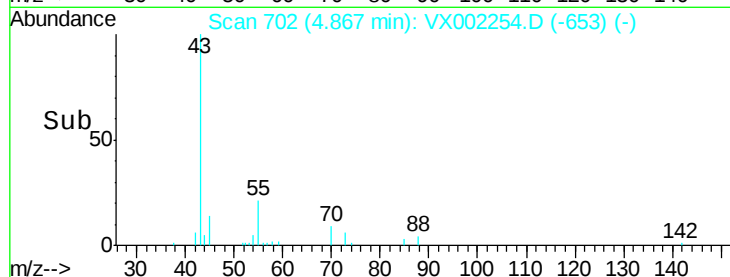
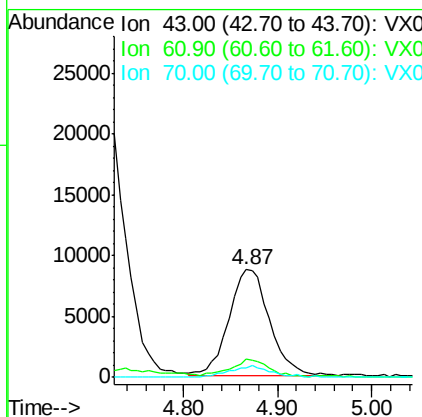
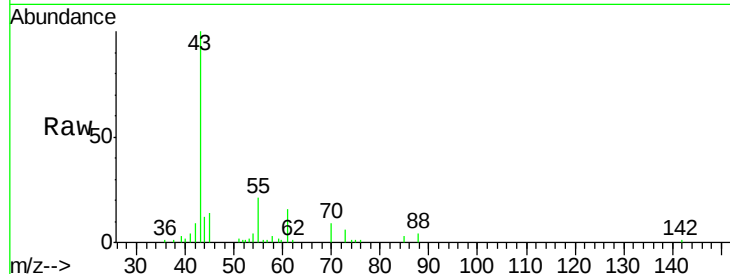
#37
Ethyl Acetate
Concen: 5.58 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.4	15.6
70	11.1	7.6	11.4

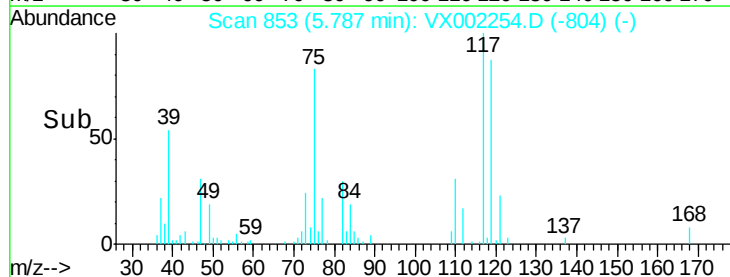
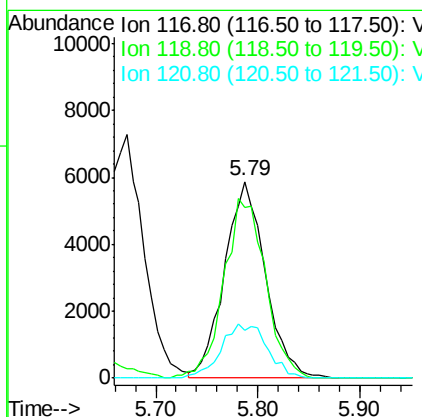
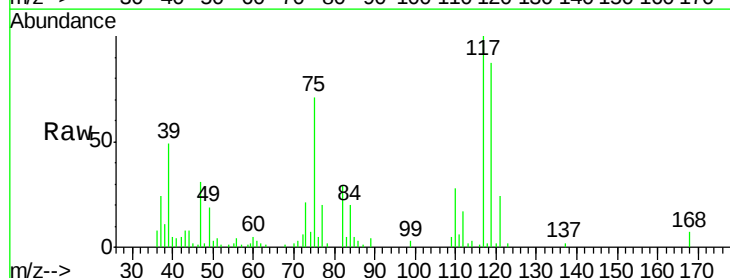
Manual Integrations
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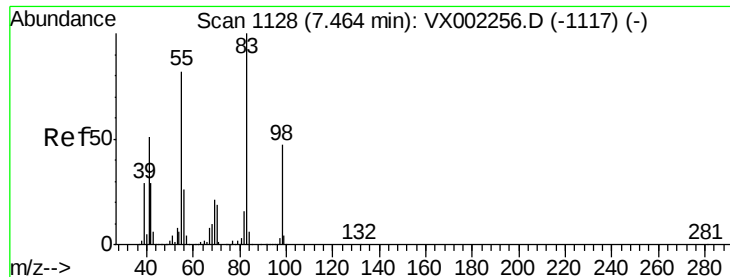
MMDadoda
6/5/2018 5:56:01 PM



#38
Carbon Tetrachloride
Concen: 4.01 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.6	77.4	116.0
121	24.4	24.4	36.6





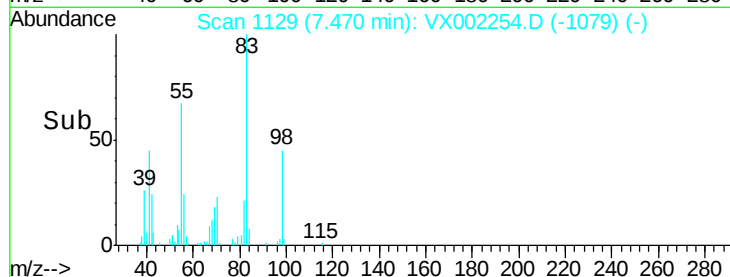
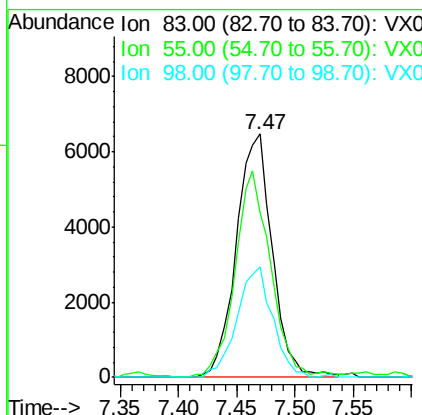
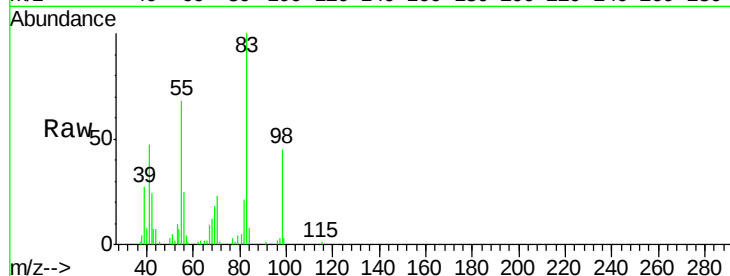
#39
Methylvlcyclohexane
Concen: 3.13 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.7	65.4	98.0
98	45.4	37.4	56.0

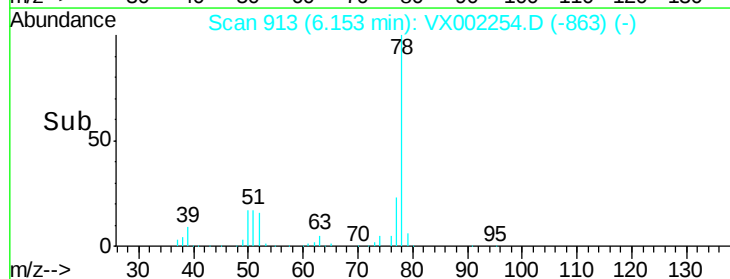
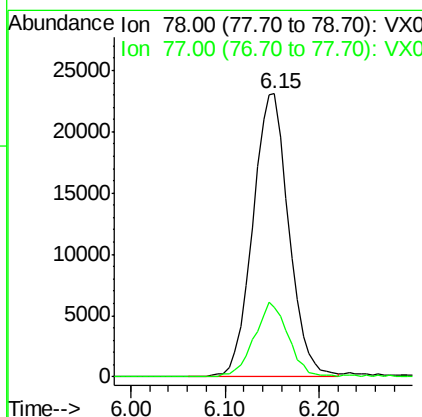
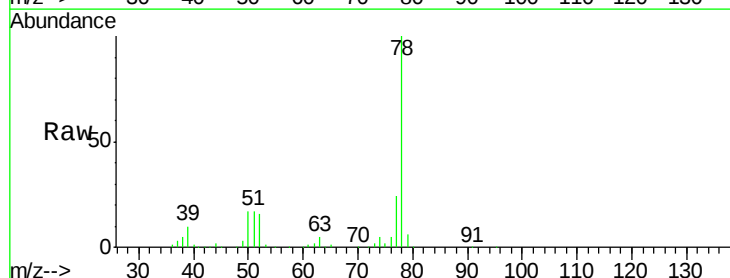
Manual Integrations
APPROVED

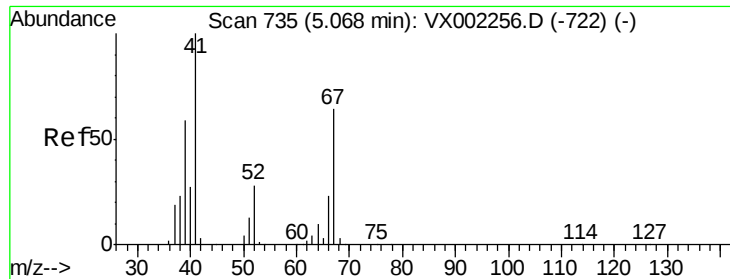
MMDadoda
6/5/2018 5:56:01 PM



#40
Benzene
Concen: 5.18 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





#41

Methacrylonitrile

Concen: 5.48 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

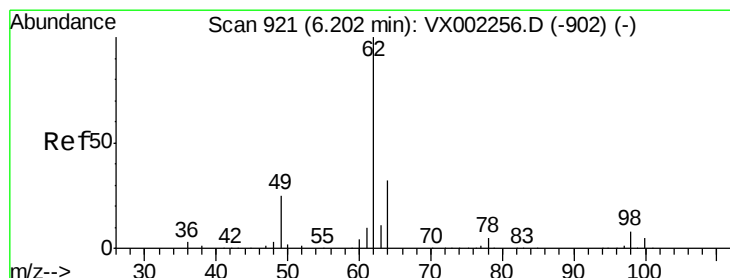
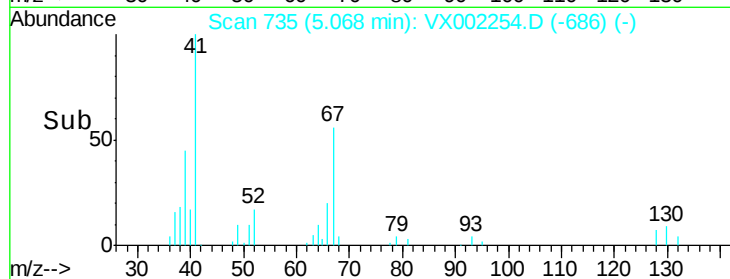
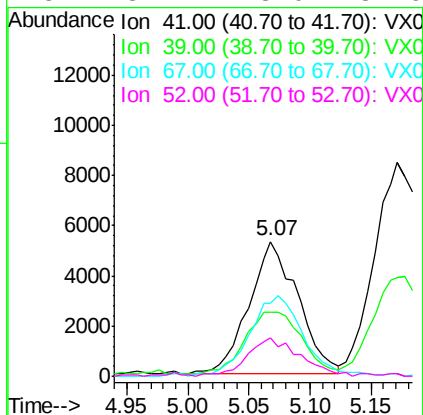
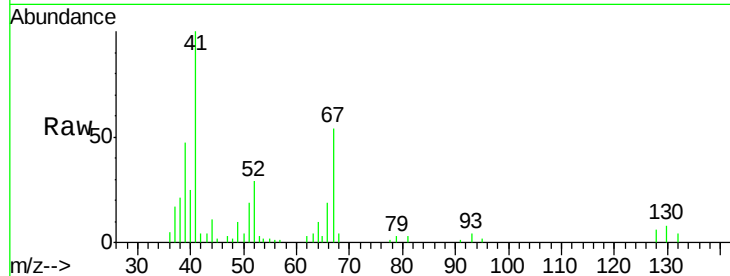
ClientSampled :

VSTDIC005

Tot Ion:	41	Resp:	14706
Ion	Ratio	Lower	Upper
41	100		
39	54.6	45.8	68.6
67	66.2	51.3	76.9
52	31.1	23.0	34.6

Manual Integrations
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6/5/2018 5:56:01 PM



#42

1,2-Dichloroethane

Concen: 5.42 ug/l

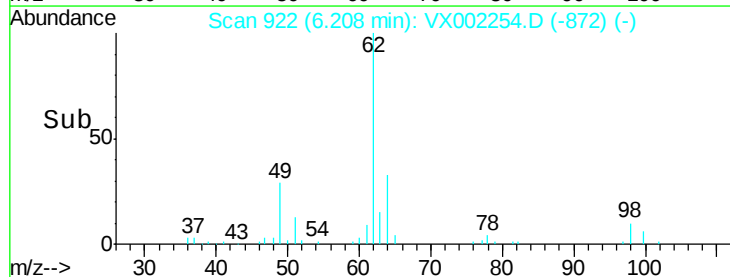
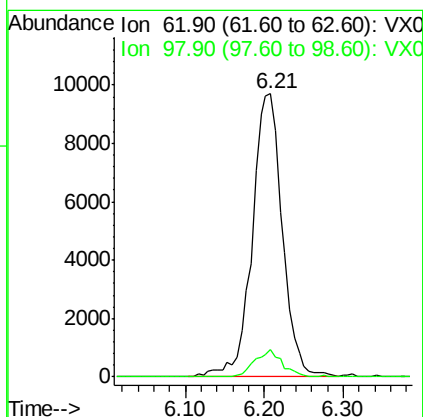
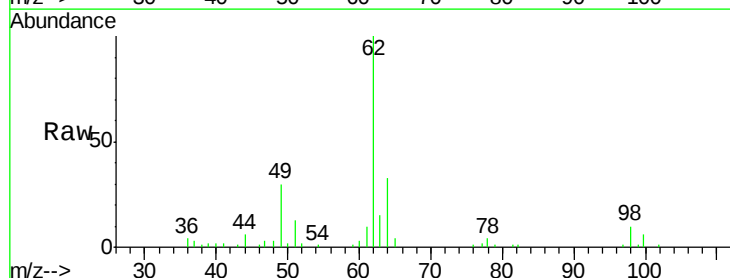
RT: 6.21 min Scan# 922

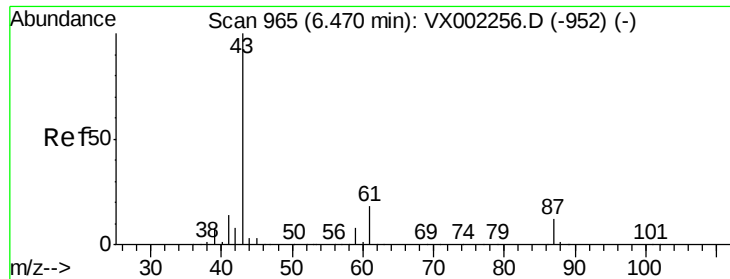
Delta R.T. 0.01 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Tgt Ion:	62	Resp:	25764
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.6





#43

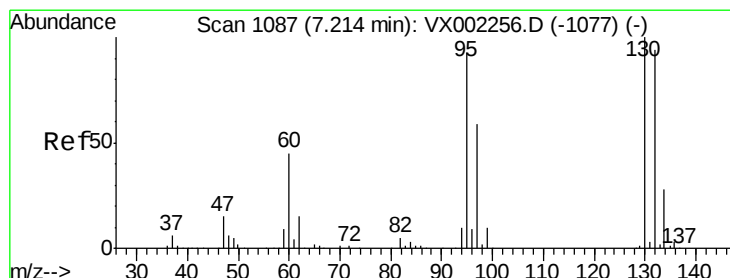
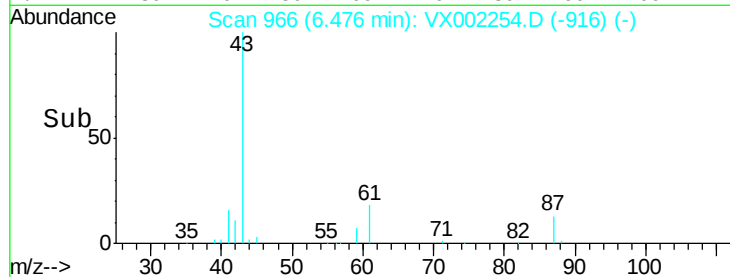
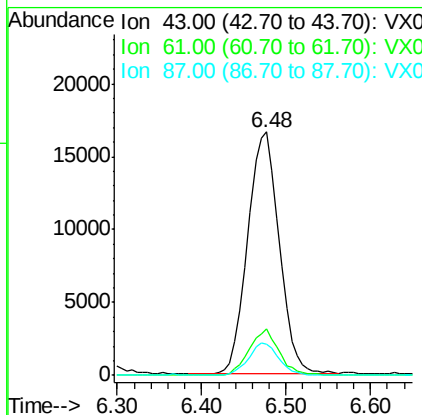
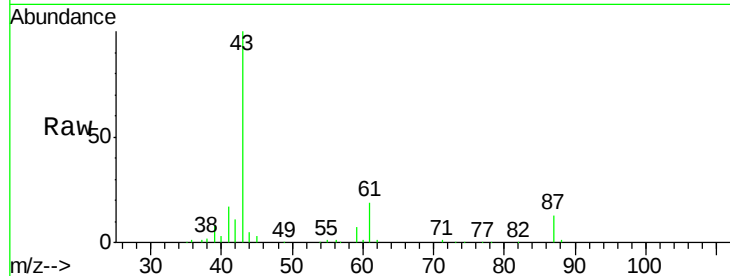
Isopropyl Acetate
 Concen: 5.32 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.4	21.6
87	12.7	9.5	14.3

Manual Integrations
 APPROVED

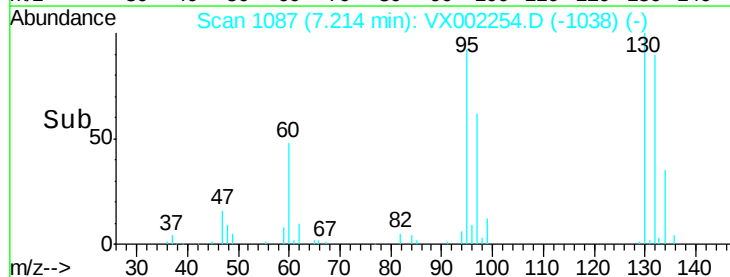
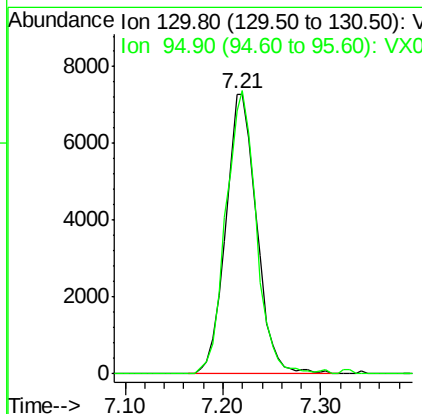
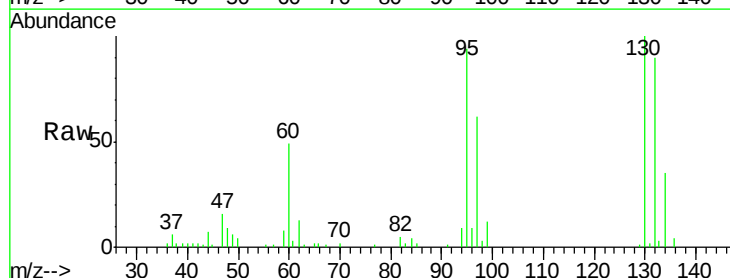
MMDadoda
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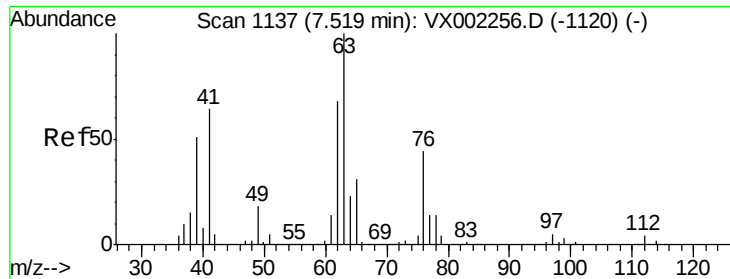


#44

Trichloroethene
 Concen: 4.83 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	185.4





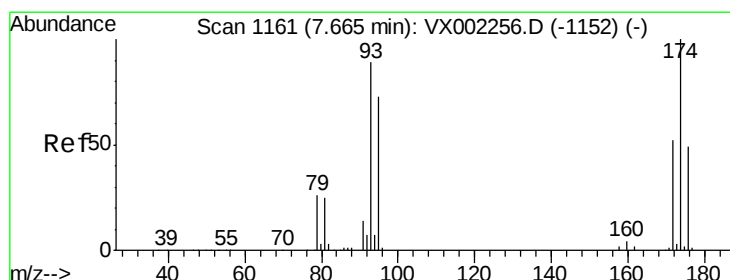
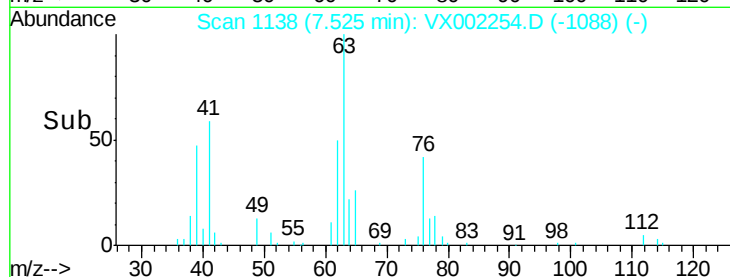
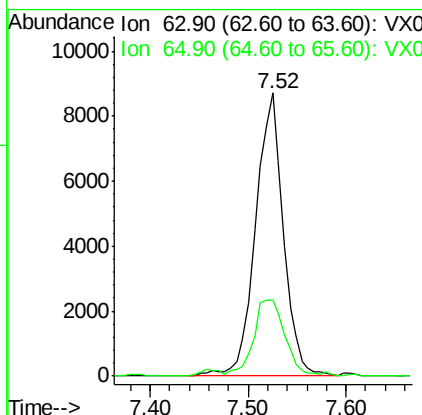
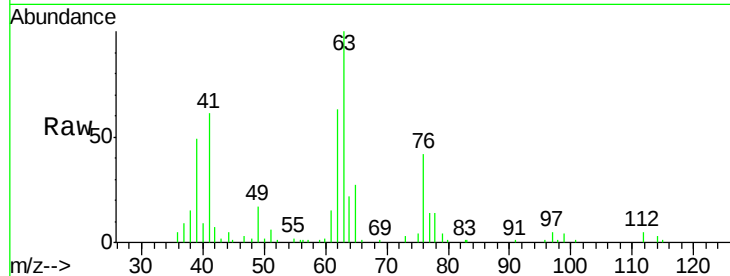
#45
 1,2-Dichloropropane
 Concen: 5.34 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 17232
 Ion Ratio Lower Upper
 63 100
 65 26.8 24.7 37.1

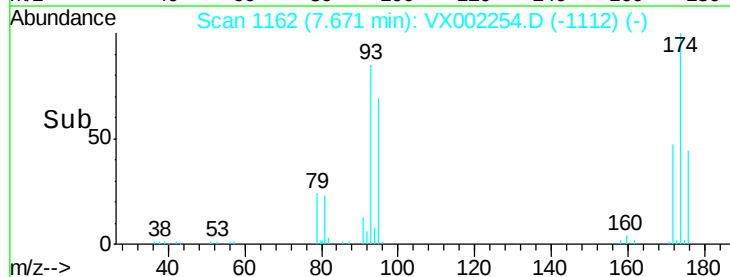
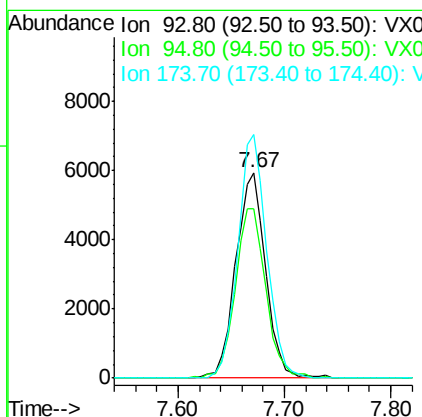
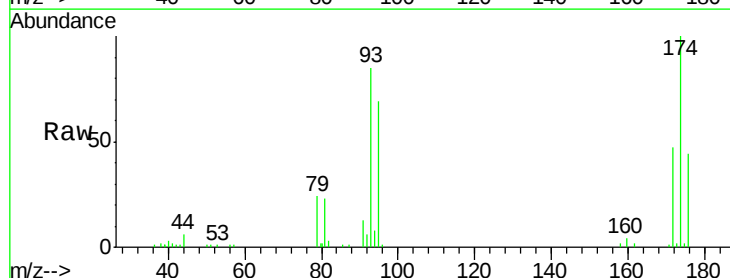
Manual Integrations
 APPROVED

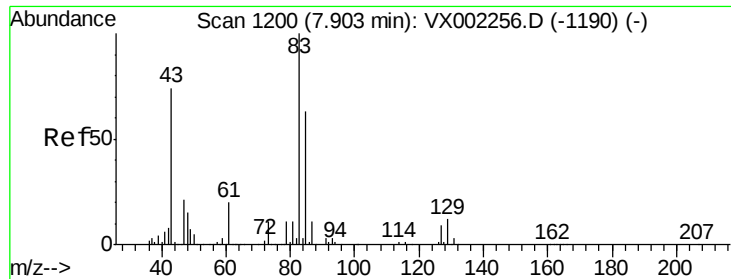
MMDadoda
 6/5/2018 5:56:01 PM



#46
 Dibromomethane
 Concen: 5.34 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Tgt Ion: 93 Resp: 11690
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.9 98.9
 174 114.3 92.4 138.6





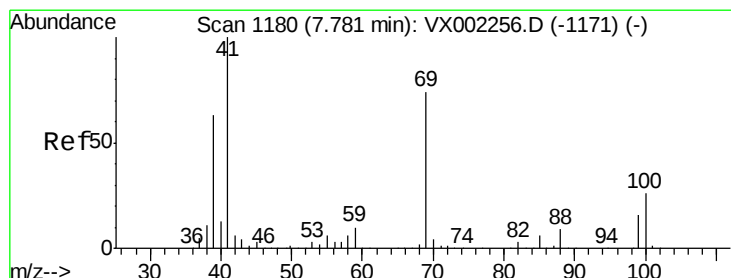
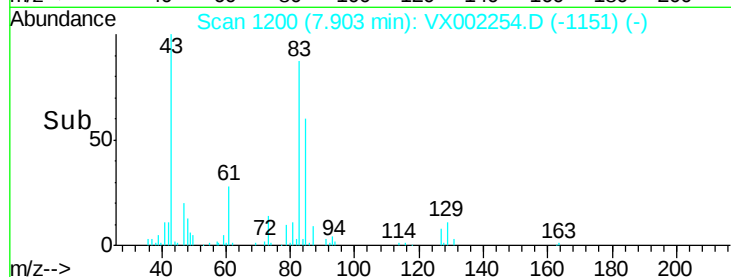
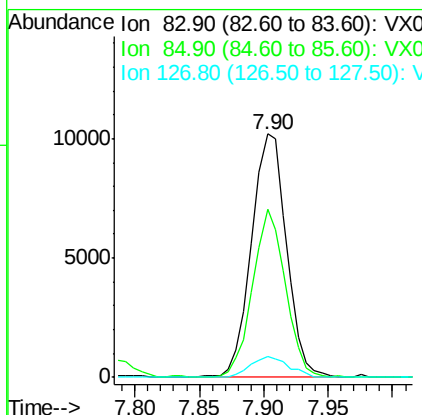
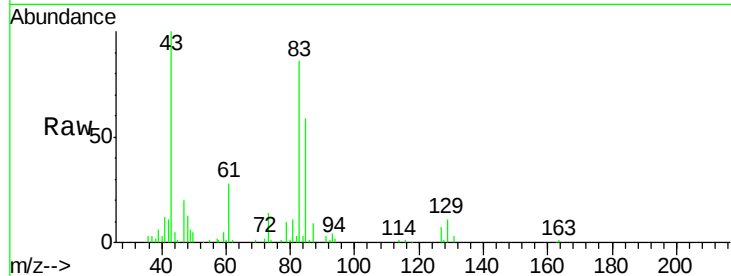
#47
Bromodichloromethane
Concen: 4.84 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	83	Resp	19159
Ion Ratio	100	Lower	Upper
83	100		
85	68.9	50.3	75.5
127	8.7	7.0	10.4

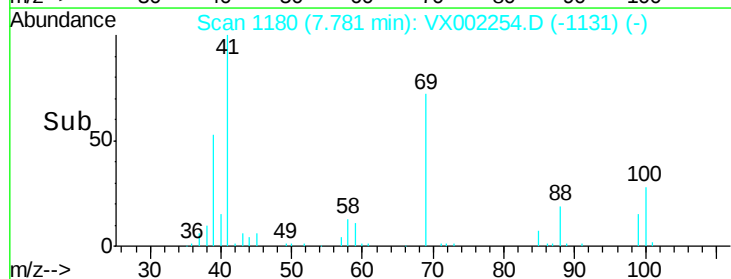
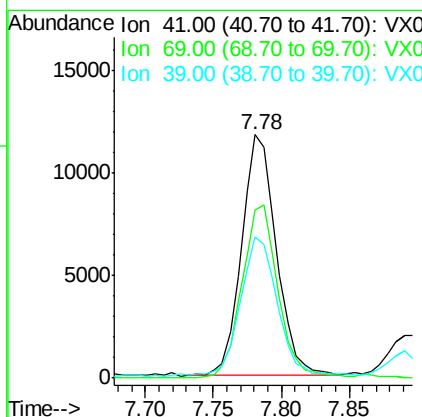
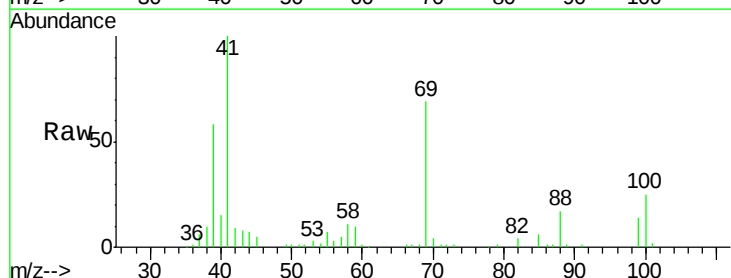
Manual Integrations
APPROVED

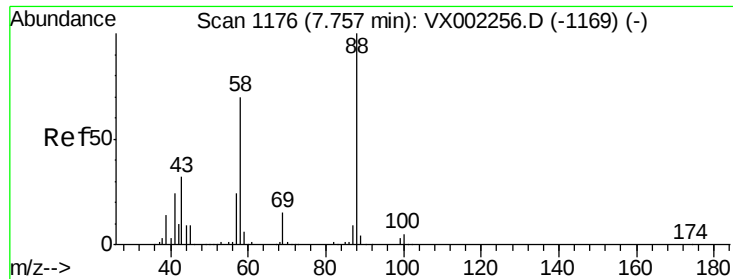
MMDadoda
6/5/2018 5:56:01 PM



#48
Methyl methacrylate
Concen: 5.19 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion	41	Resp	20779
Ion Ratio	100	Lower	Upper
41	100		
69	75.9	59.1	88.7
39	61.2	48.9	73.3





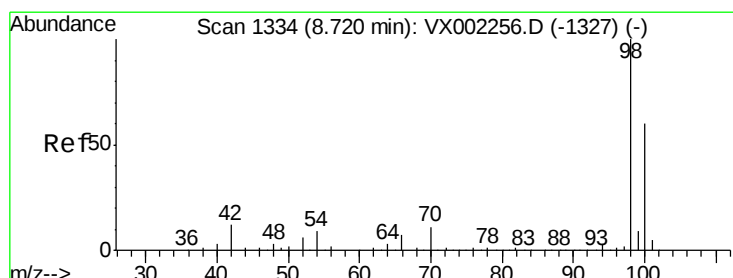
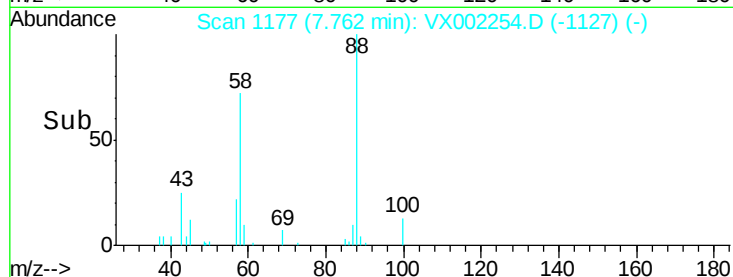
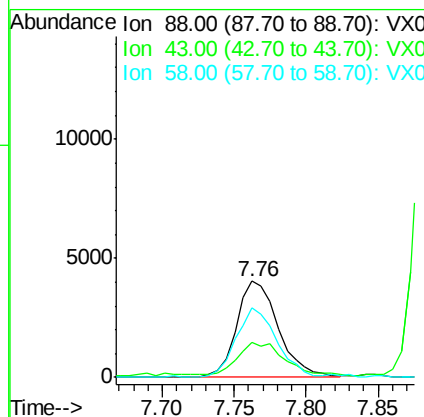
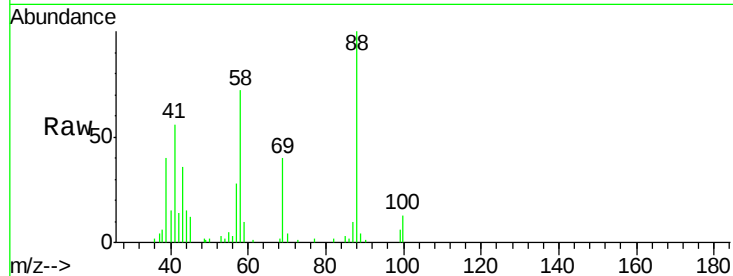
#49
1,4-Dioxane
Concen: 109.12 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	29.8	44.6
58	70.0	57.1	85.7

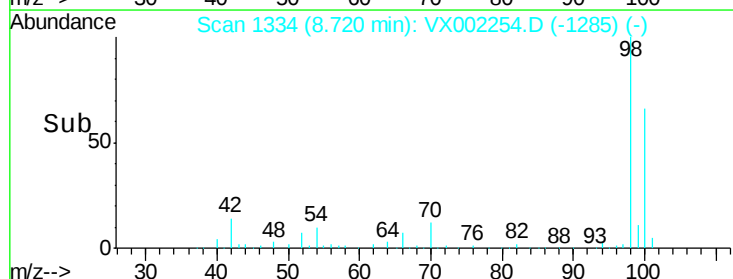
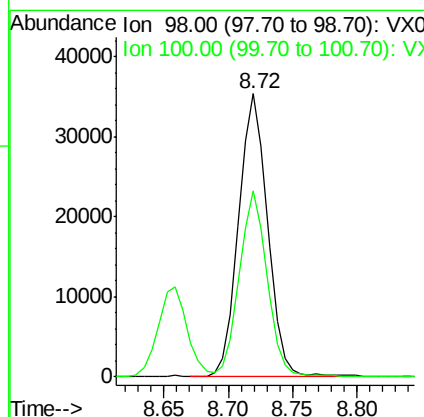
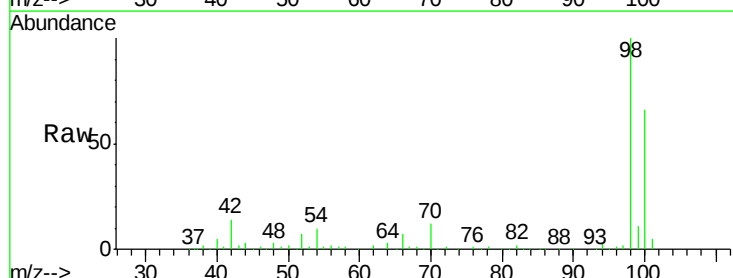
Manual Integrations
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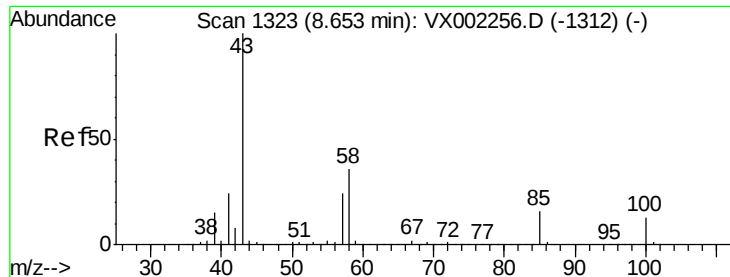
MMDadoda
6/5/2018 5:56:01 PM



#50
Toluene-d8
Concen: 4.95 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 27.37 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 135784

Ion Ratio Lower Upper

43 100

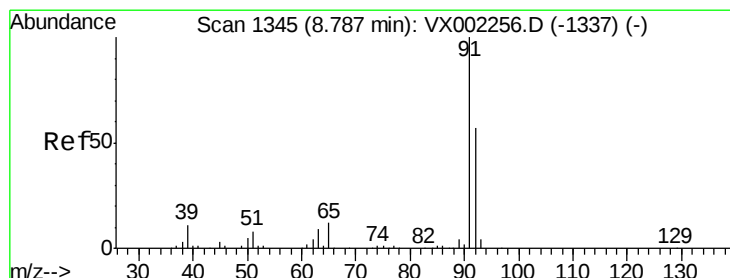
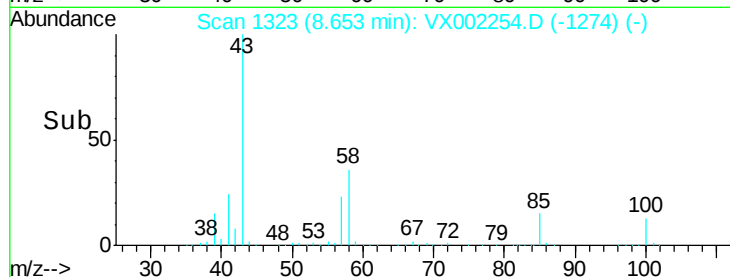
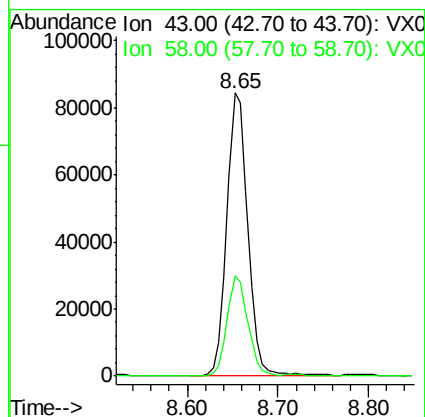
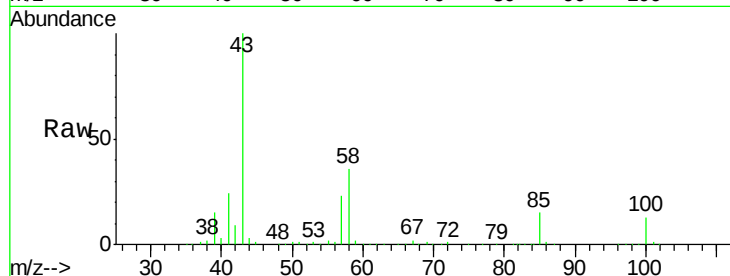
58 35.2 28.6 42.8

Manual Integrations

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MMDadoda

6/5/2018 5:56:01 PM



#52

Toluene

Concen: 4.99 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002254.D

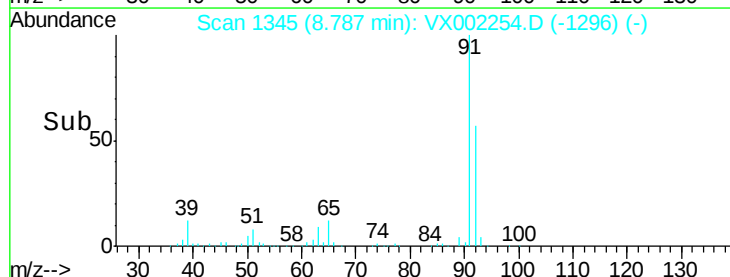
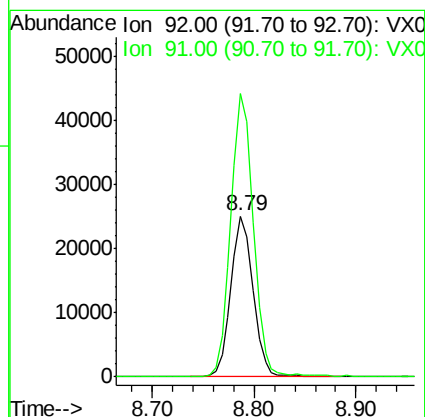
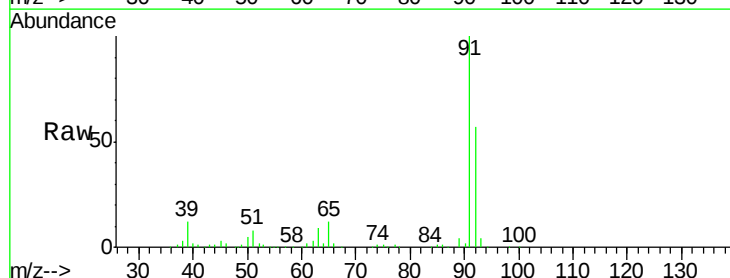
Acq: 04 Jun 2018 10:33

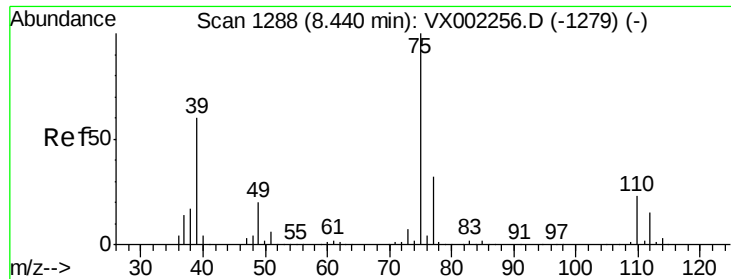
Tgt Ion: 92 Resp: 37987

Ion Ratio Lower Upper

92 100

91 179.2 140.4 210.6





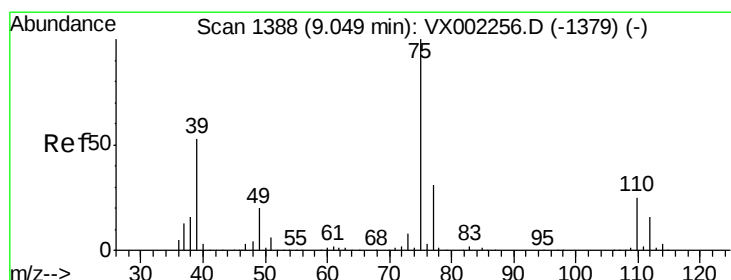
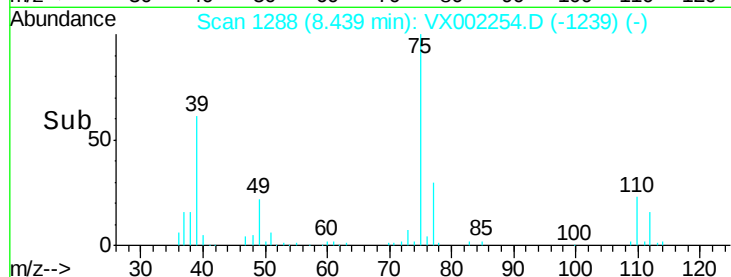
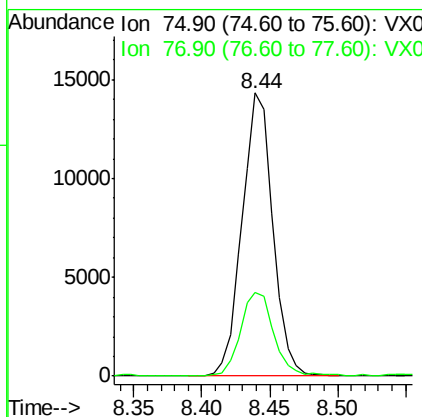
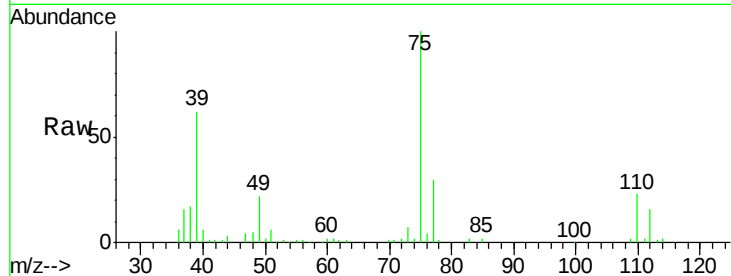
#53
t-1,3-Dichloropropene
Concen: 4.78 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 22693
Ion Ratio Lower Upper
75 100
77 29.8 25.4 38.2

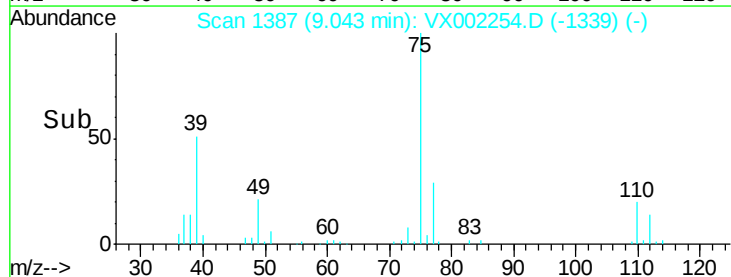
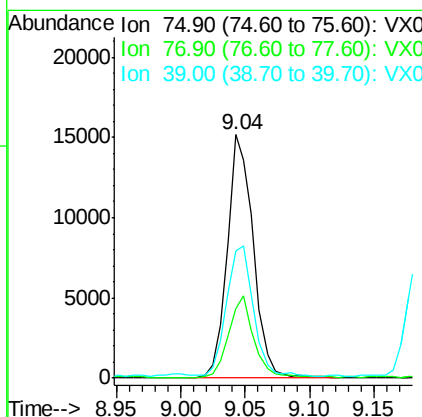
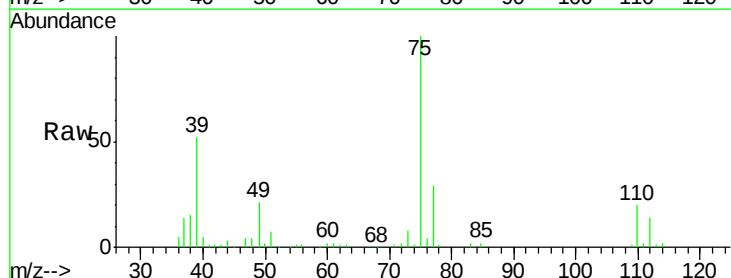
Manual Integrations
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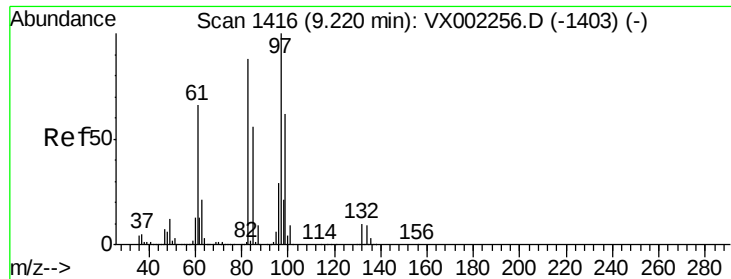
MMDadoda
6/5/2018 5:56:01 PM



#54
cis-1,3-Dichloropropene
Concen: 4.81 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion: 75 Resp: 21532
Ion Ratio Lower Upper
75 100
77 28.6 24.8 37.2
39 51.1 42.4 63.6





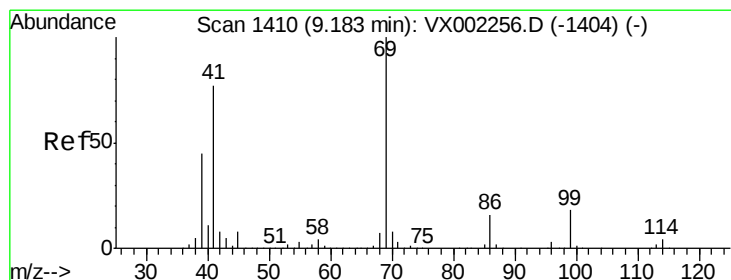
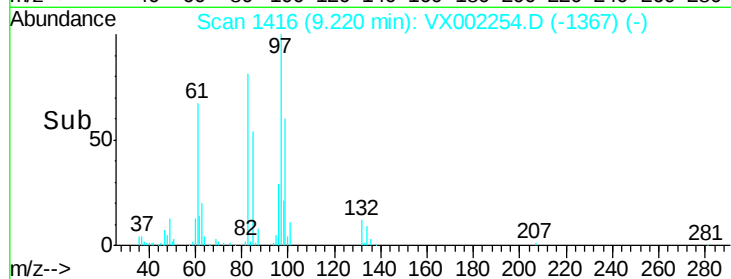
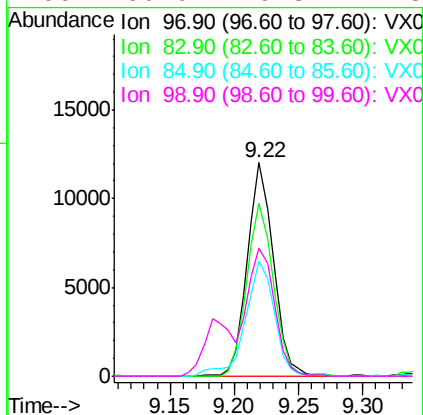
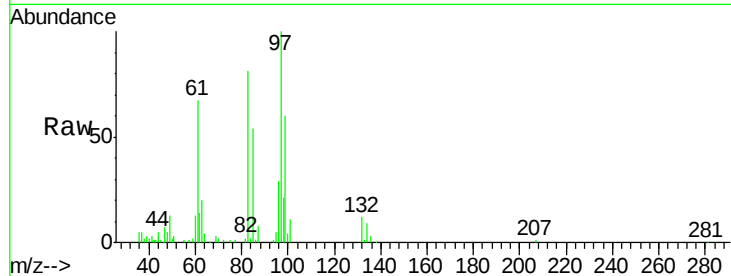
#55
 1,1,2-Trichloroethane
 Concen: 5.38 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	16826
Ion	Ratio	Lower	Upper
97	100		
83	80.9	70.2	105.2
85	53.8	44.9	67.3
99	60.0	49.8	74.8

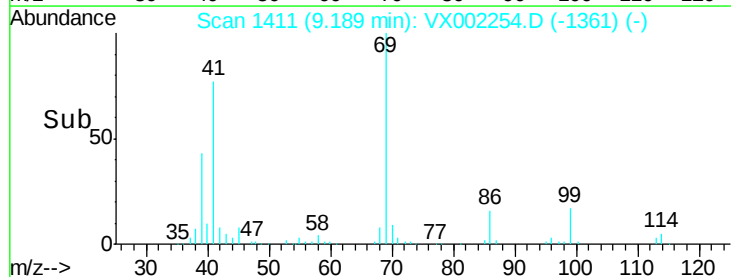
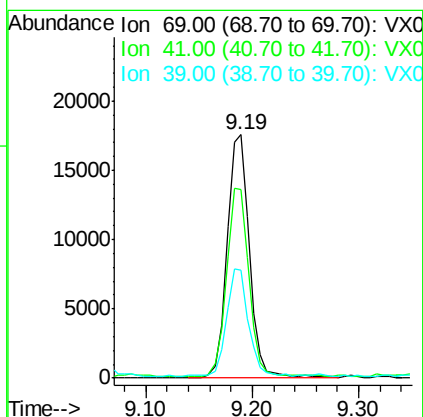
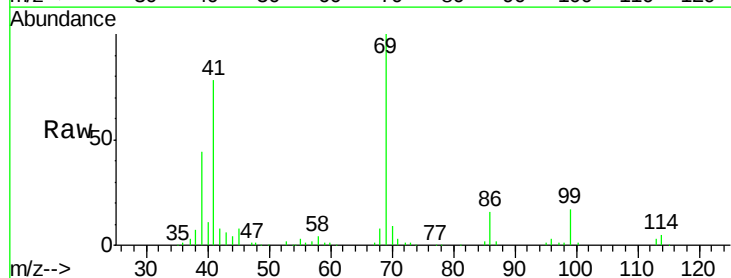
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 5.20 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Tgt Ion:	69	Resp:	25952
Ion	Ratio	Lower	Upper
69	100		
41	78.1	60.3	90.5
39	44.4	35.8	53.8





#57

1,3-Dichloropropane

Concen: 5.35 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 28080

Ion Ratio Lower Upper

76 100

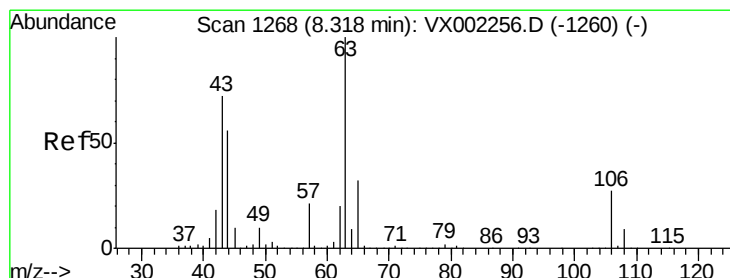
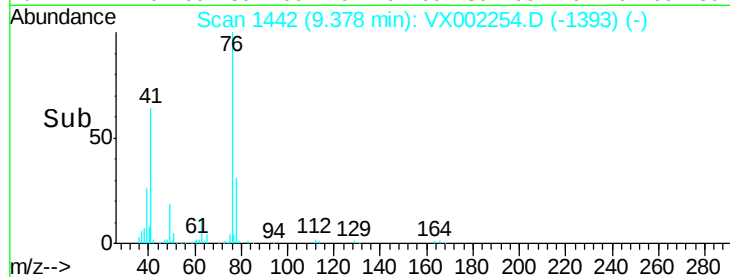
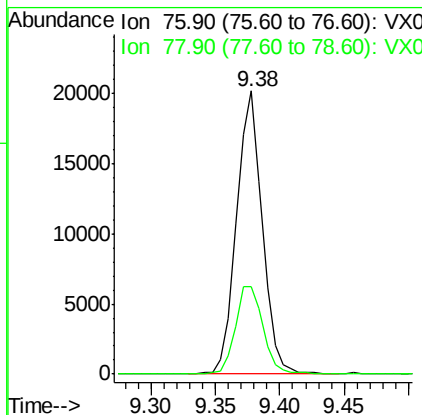
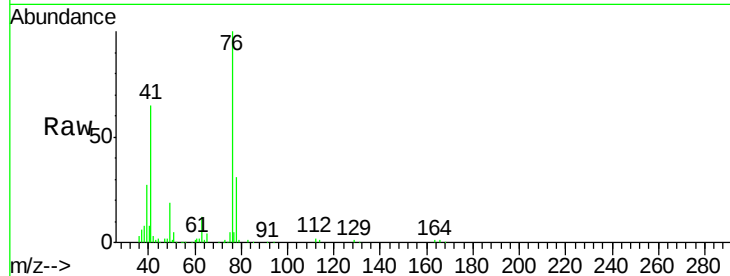
78 33.4 25.8 38.6

Manual Integrations

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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 26.07 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002254.D

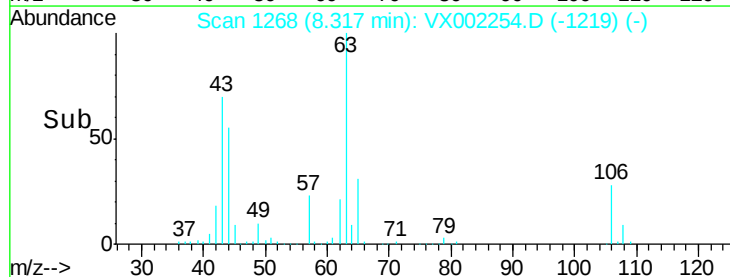
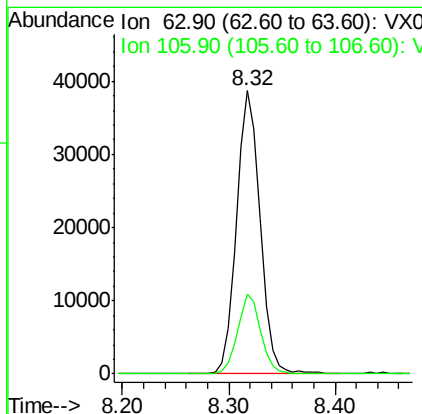
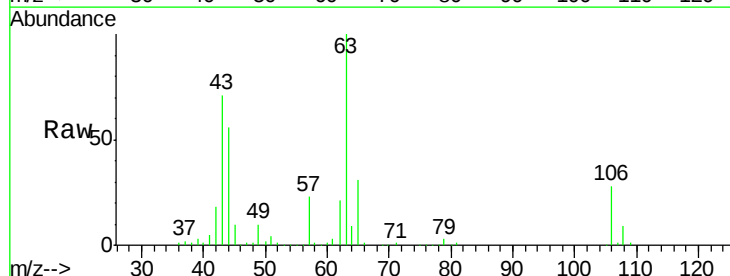
Acq: 04 Jun 2018 10:33

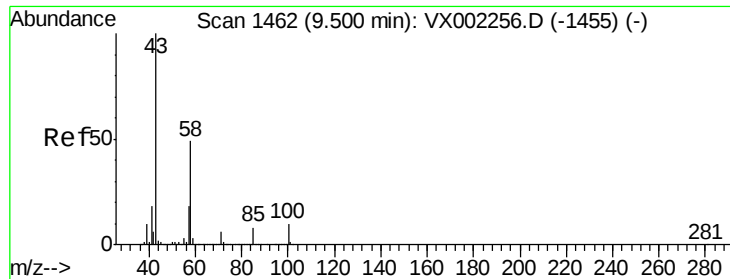
Tgt Ion: 63 Resp: 60257

Ion Ratio Lower Upper

63 100

106 27.7 21.8 32.8





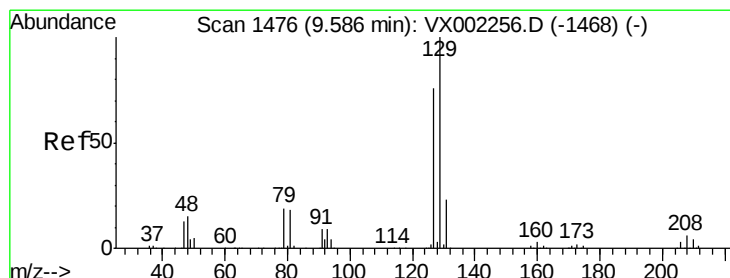
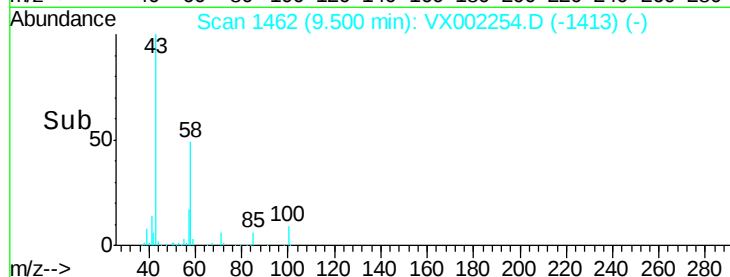
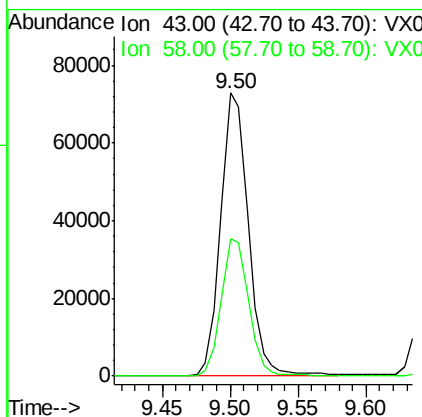
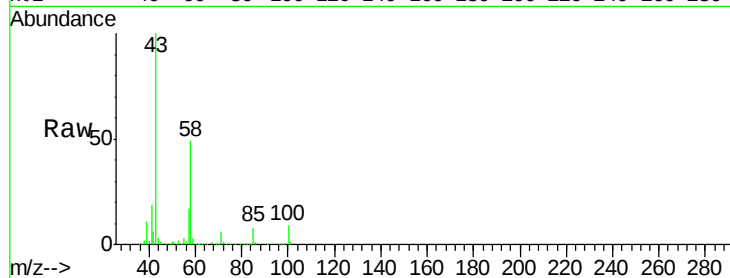
#59
2-Hexanone
Concen: 26.91 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.6	73.6

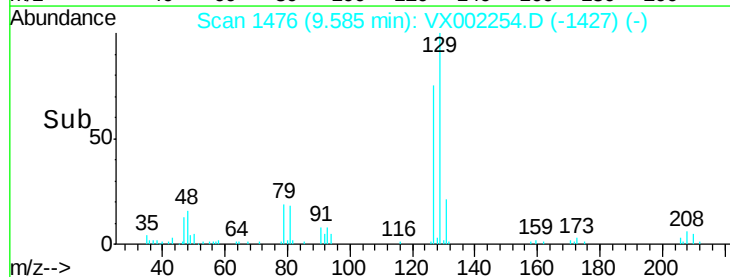
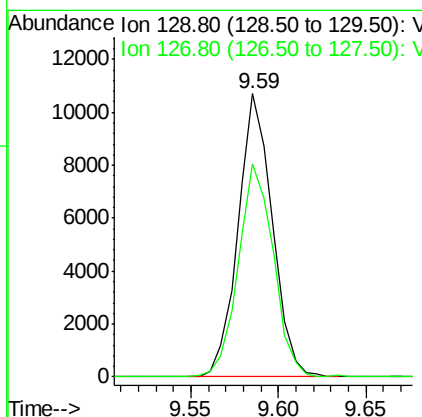
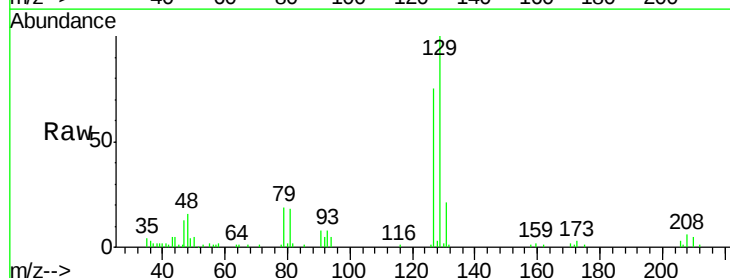
Manual Integrations
APPROVED

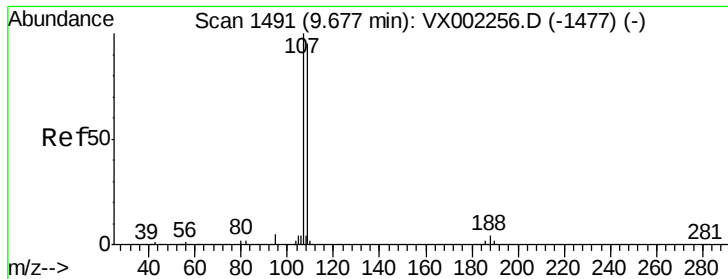
MMDadoda
6/5/2018 5:56:01 PM



#60
Dibromochloromethane
Concen: 4.62 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.3





#61

1,2-Dibromoethane

Concen: 5.24 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 17104

Ion Ratio Lower Upper

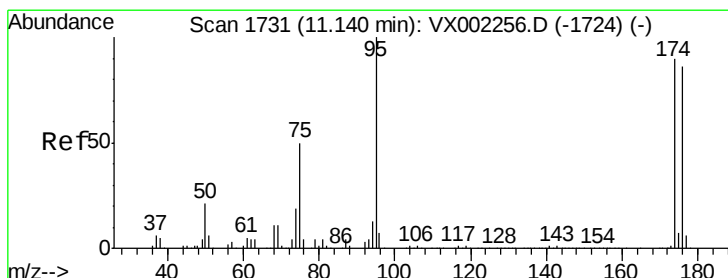
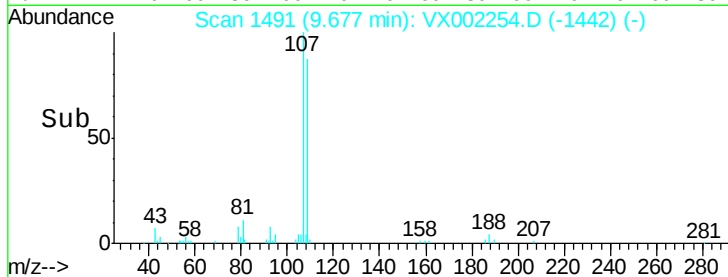
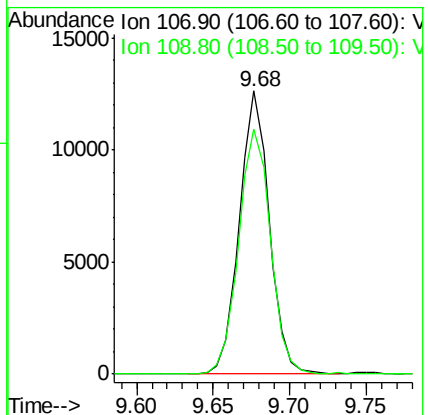
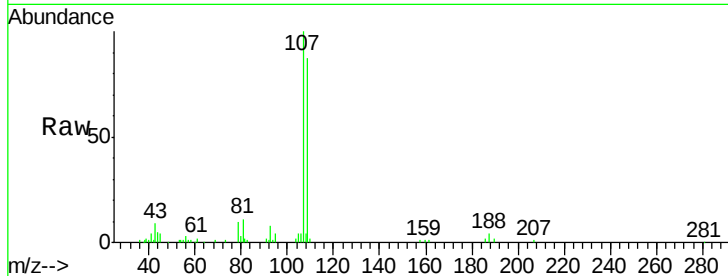
107 100

109 92.2 75.3 112.9

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#62

4-Bromofluorobenzene

Concen: 4.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

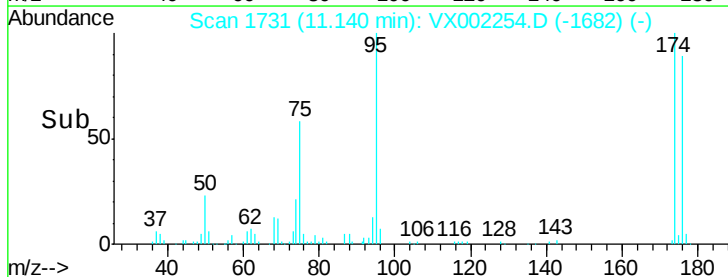
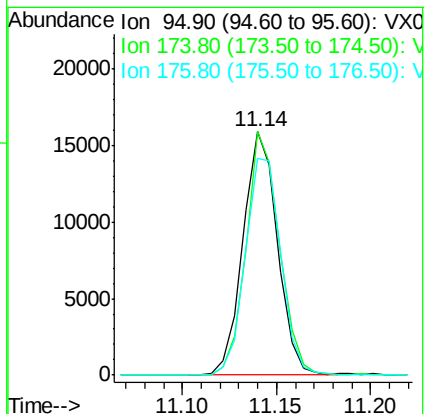
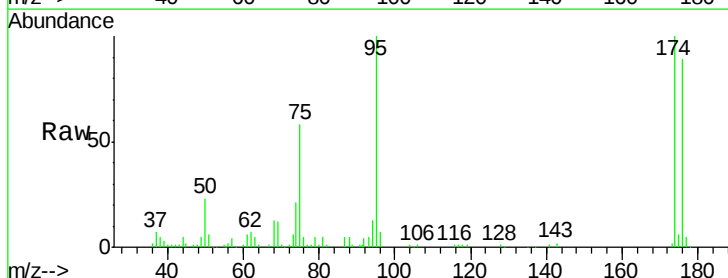
Tgt Ion: 95 Resp: 20077

Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.4

176 92.3 0.0 181.0





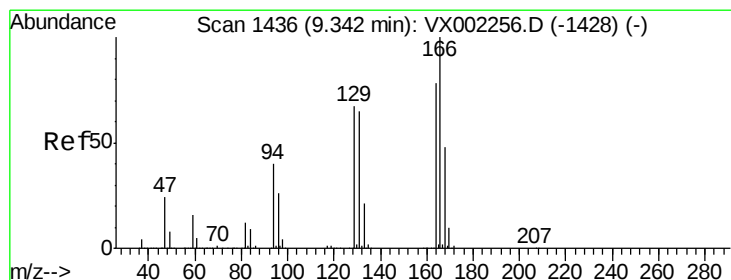
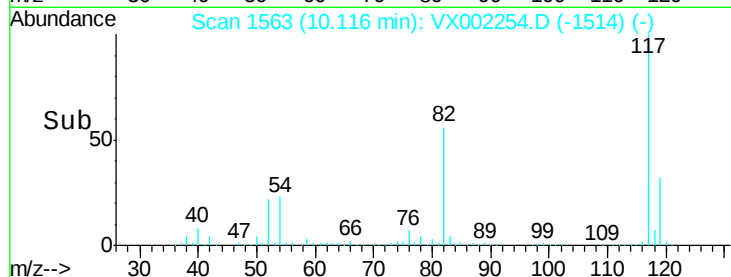
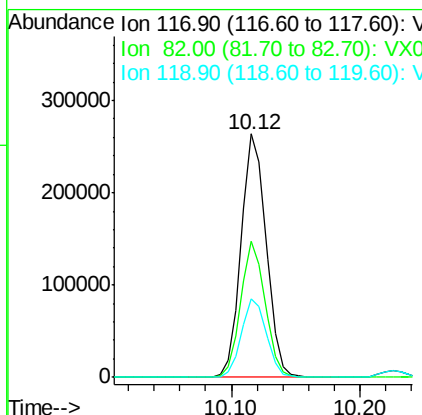
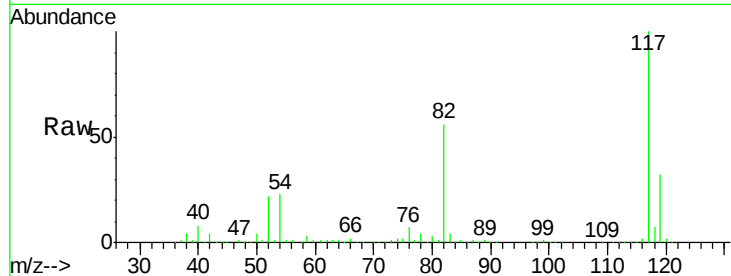
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.0	67.4
119	32.1	25.8	38.6

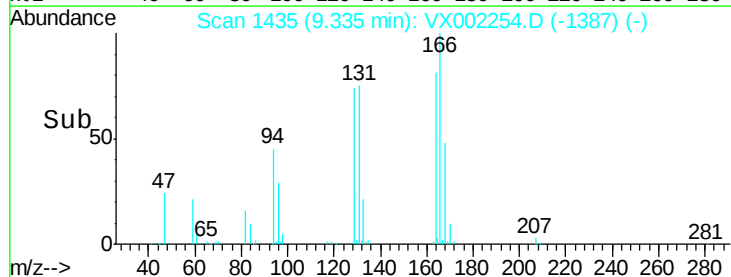
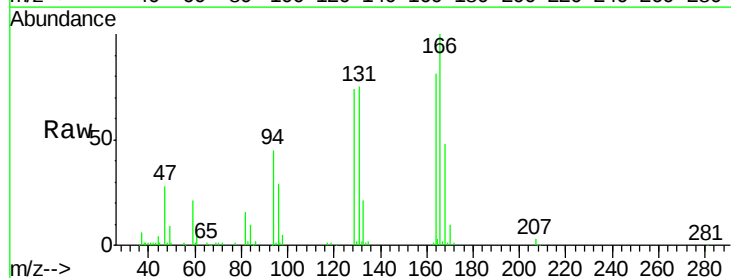
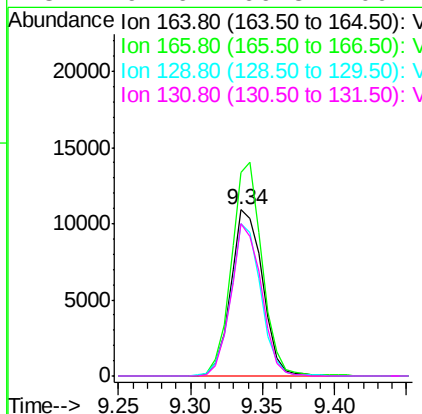
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#64
Tetrachloroethene
Concen: 4.60 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	102.9	154.3
129	91.5	68.6	102.8
131	91.6	66.8	100.2





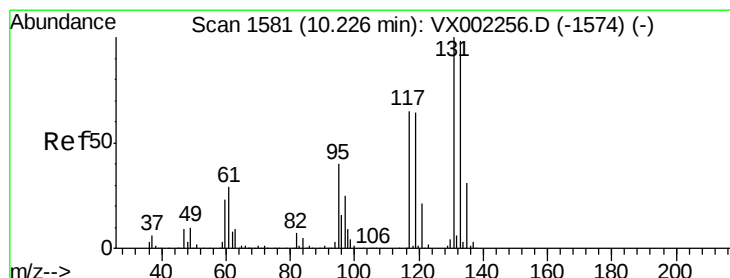
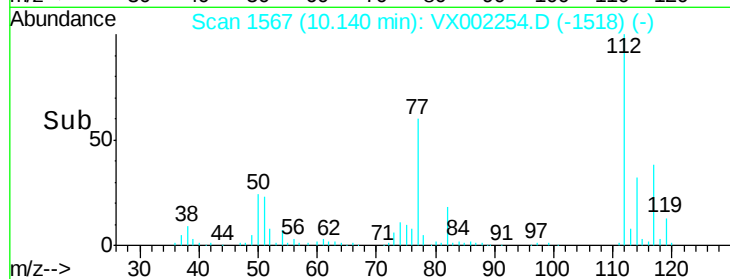
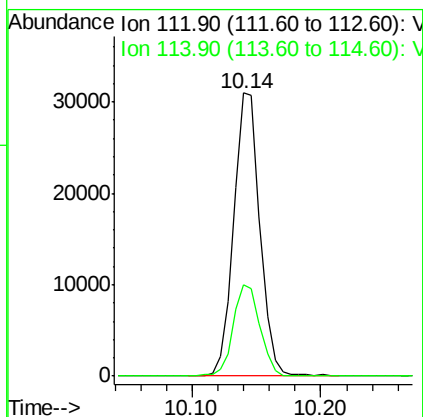
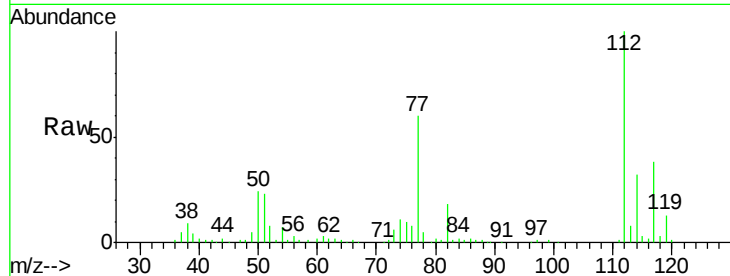
#65
Chlorobenzene
Concen: 4.99 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 43963
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9

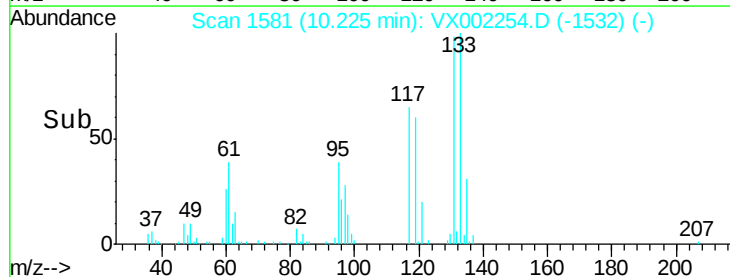
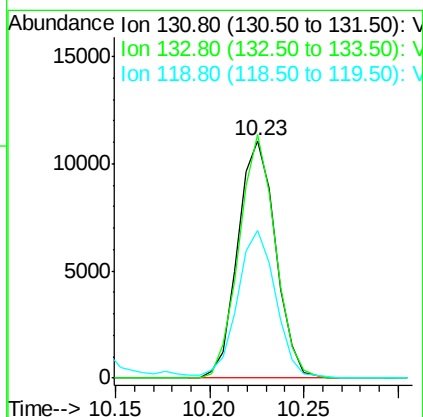
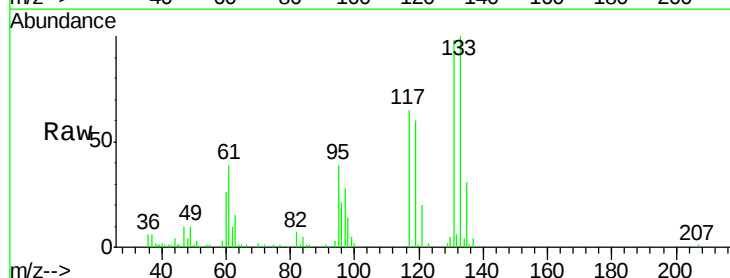
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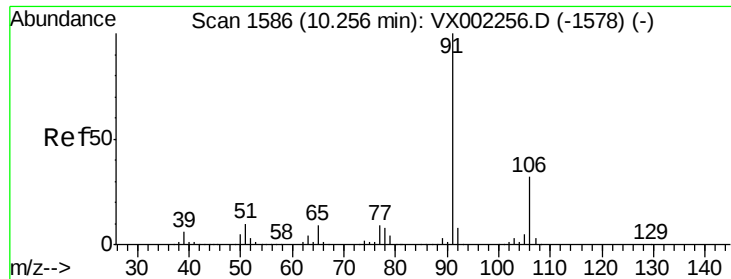
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.82 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion:131 Resp: 15397
Ion Ratio Lower Upper
131 100
133 98.4 47.9 143.6
119 63.1 31.8 95.3





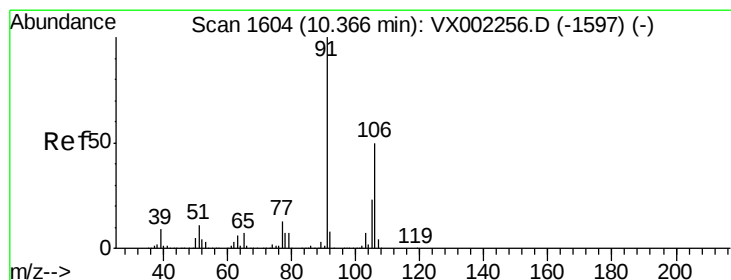
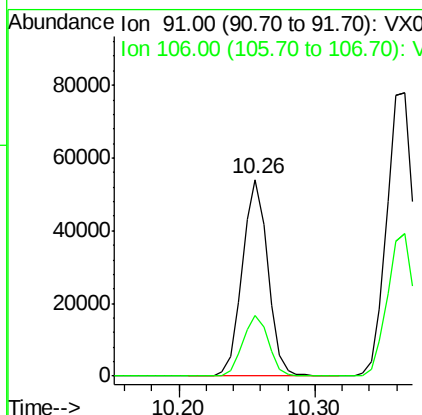
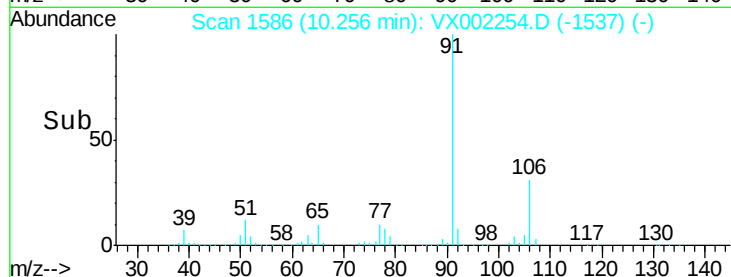
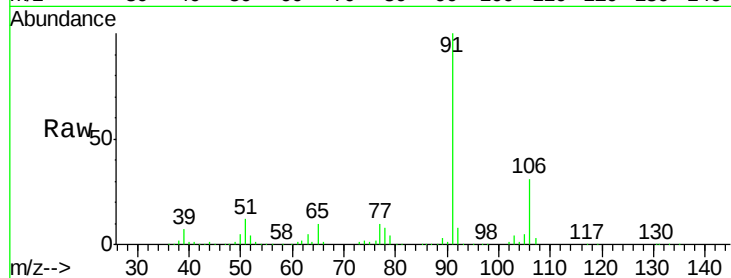
#67
Ethyl Benzene
Concen: 4.81 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 70898
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3

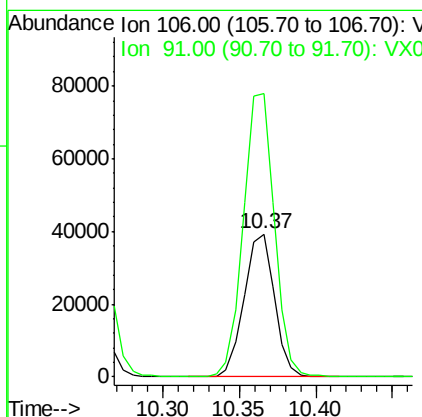
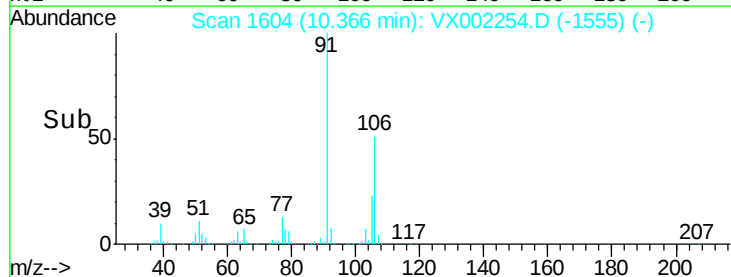
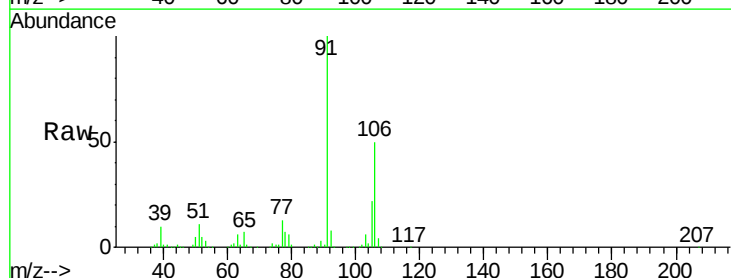
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#68
m/p-Xylenes
Concen: 9.47 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion: 106 Resp: 54306
Ion Ratio Lower Upper
106 100
91 201.9 163.4 245.2





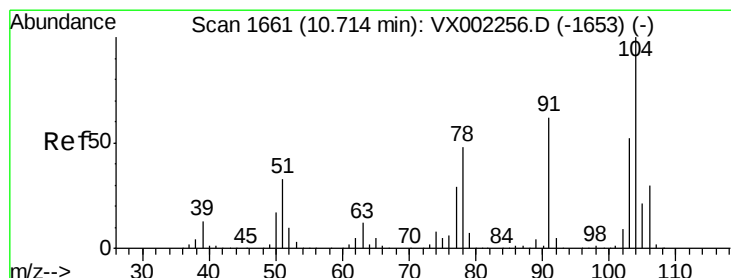
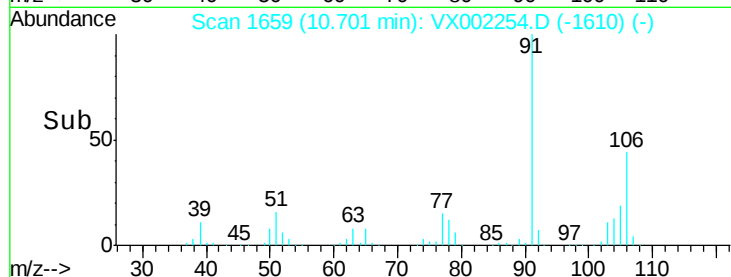
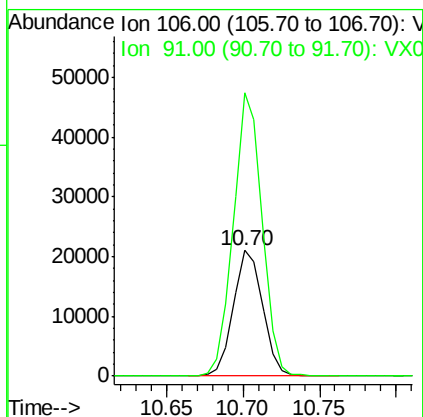
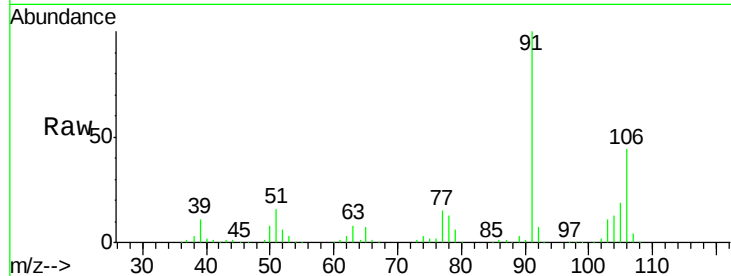
#69
o-Xylene
Concen: 4.91 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 28000
Ion Ratio Lower Upper
106 100
91 220.9 108.2 324.6

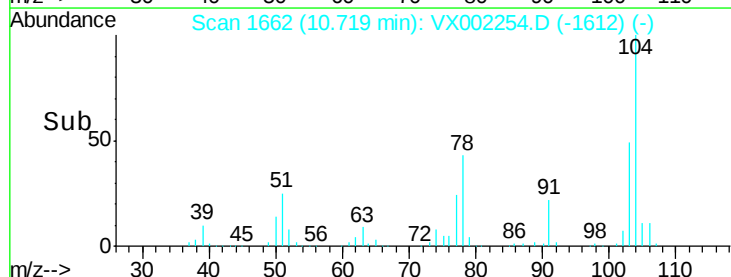
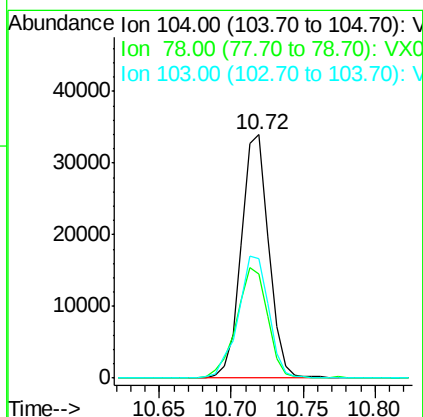
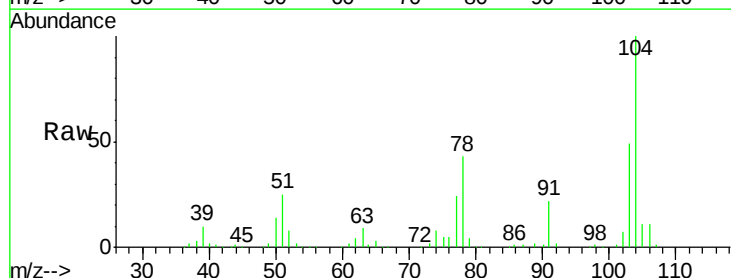
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#70
Styrene
Concen: 4.84 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion:104 Resp: 45121
Ion Ratio Lower Upper
104 100
78 51.3 41.0 61.6
103 55.8 44.2 66.4





#71

Bromoform

Concen: 4.17 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:173 Resp: 10557

Ion Ratio Lower Upper

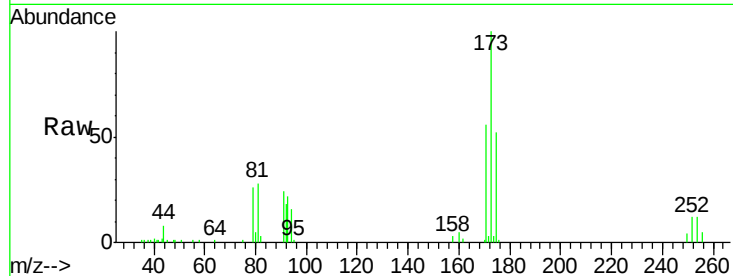
173 100

175 51.2 24.7 74.1

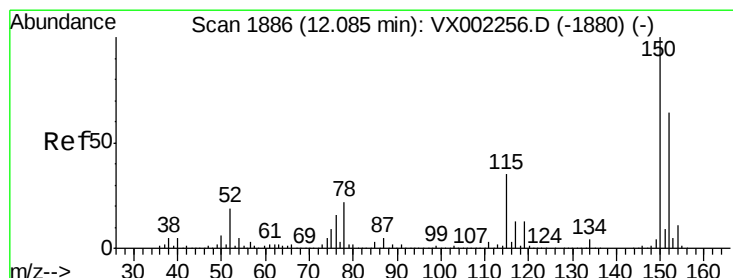
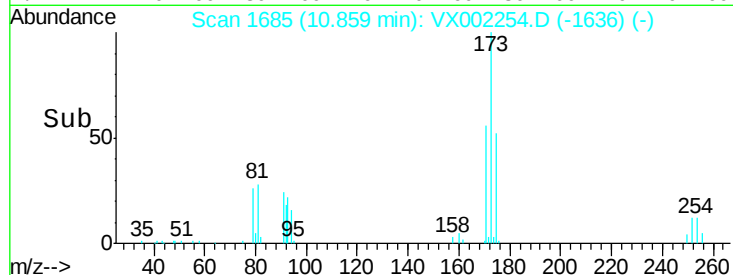
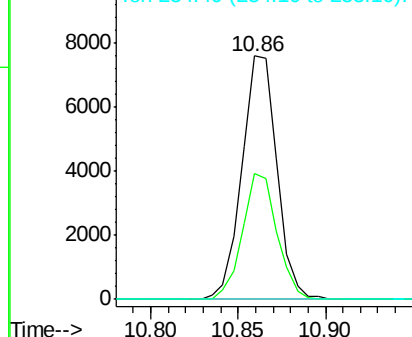
254 0.0 0.2 0.2#

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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# 1886

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

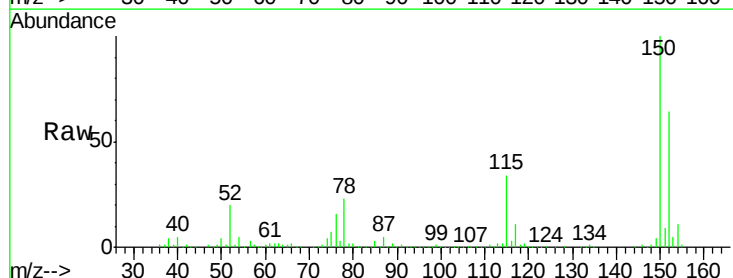
Tgt Ion:152 Resp: 197436

Ion Ratio Lower Upper

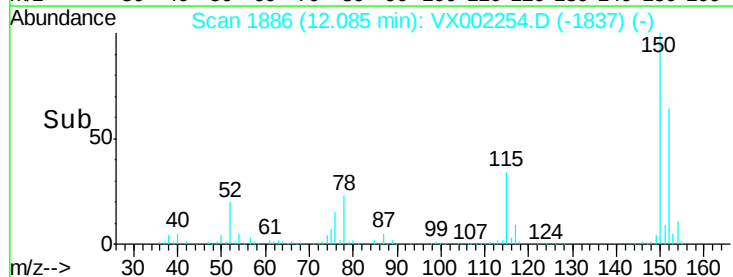
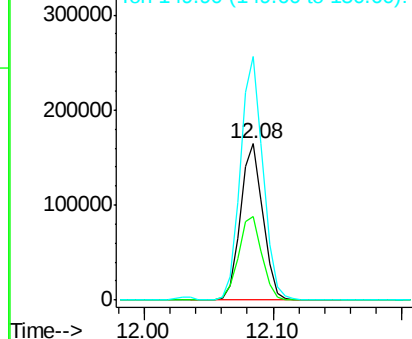
152 100

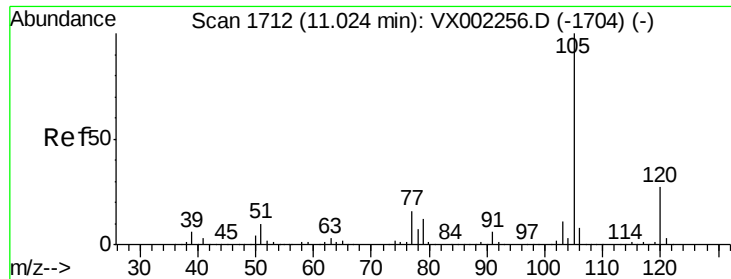
115 56.7 40.1 120.2

150 157.4 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: 4.98 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 68338

Ion Ratio Lower Upper

105 100

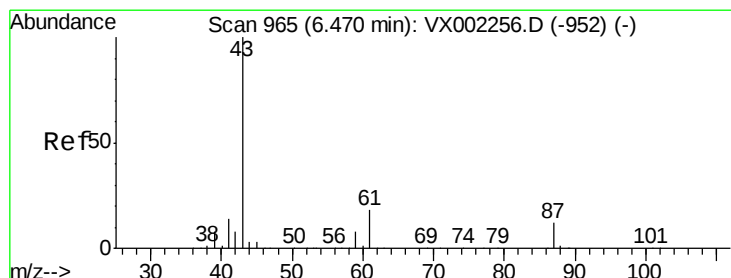
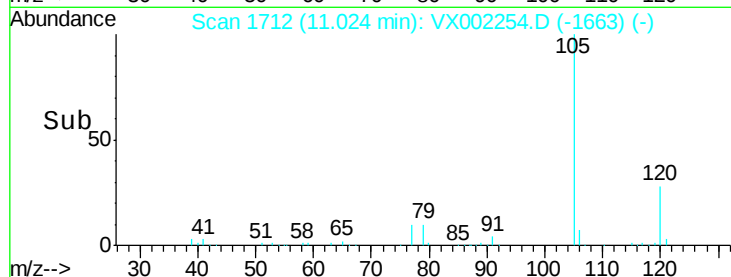
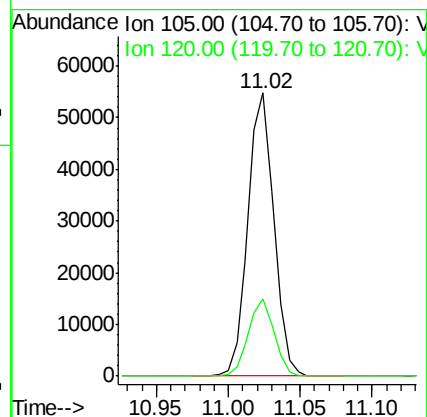
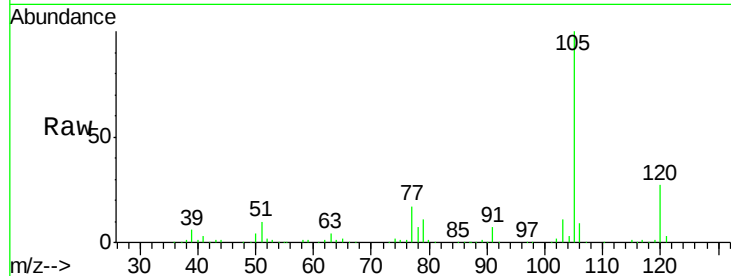
120 27.2 13.5 40.4

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#74

N-ethyl acetate

Concen: 5.73 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Tgt Ion: 43 Resp: 42404

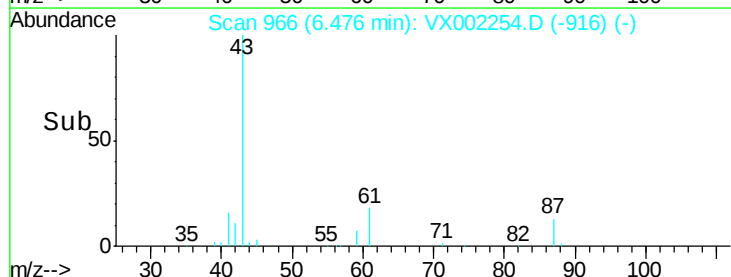
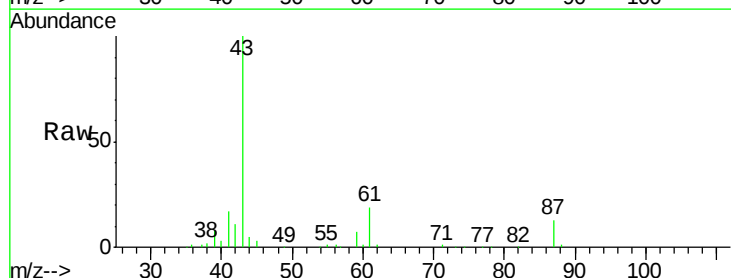
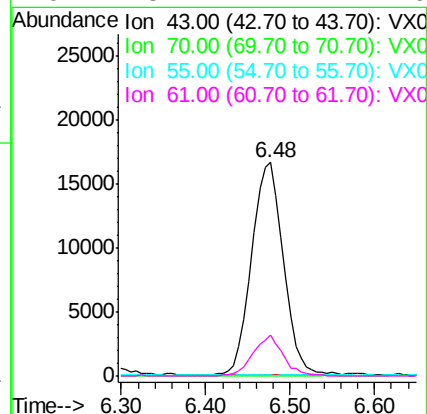
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.3 0.0 0.0#

61 18.1 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.74 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

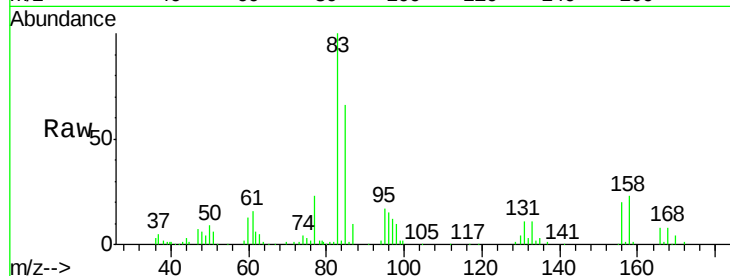
ClientSampled :

VSTDIC005

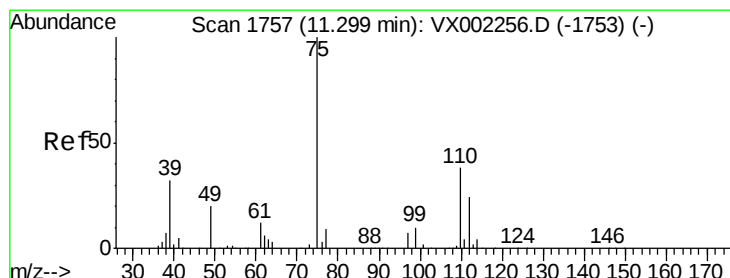
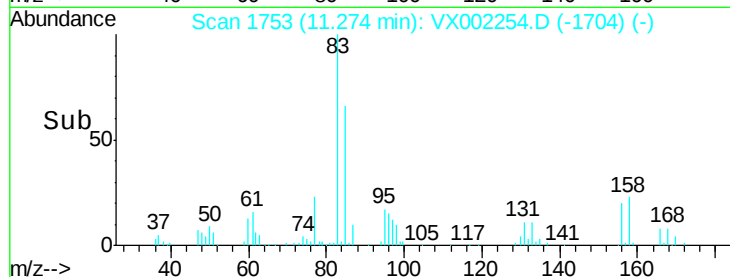
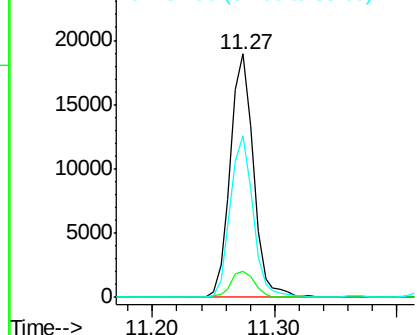
Tot Ion:	83	Resp:	24814
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.6	16.8
85	65.4	32.4	97.2

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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: 6.14 ug/l m

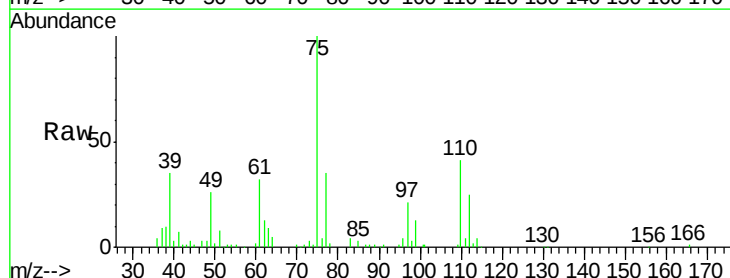
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

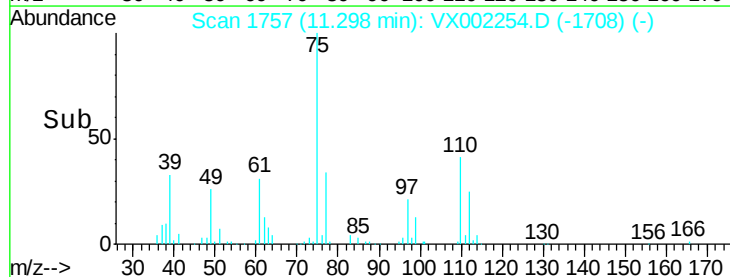
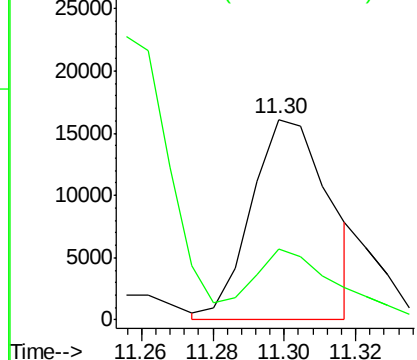
Lab File: VX002254.D

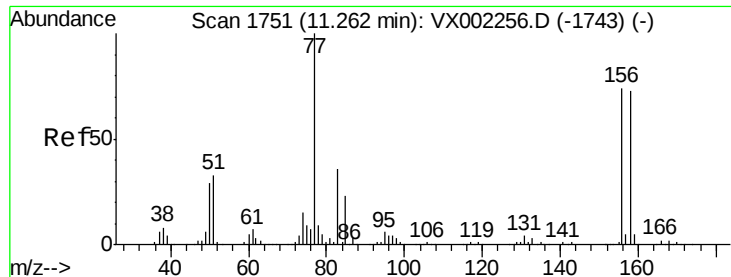
Acq: 04 Jun 2018 10:33

Tgt Ion:	75	Resp:	24319
Ion	Ratio	Lower	Upper
75	100		
77	39.1	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: 5.40 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

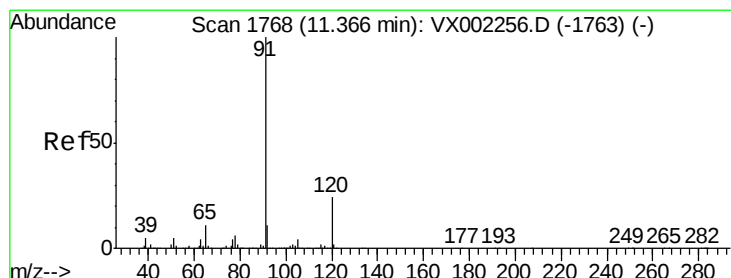
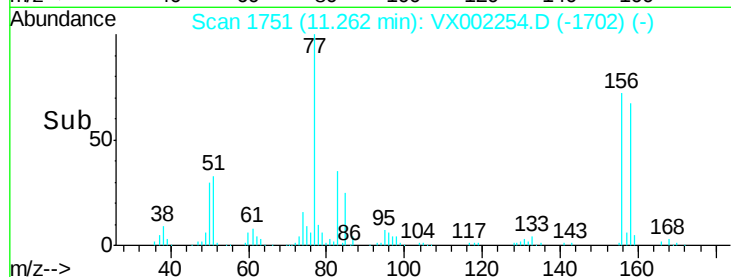
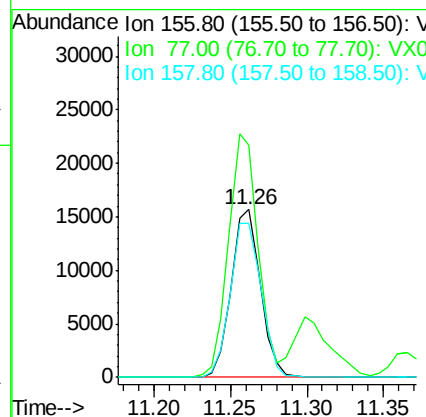
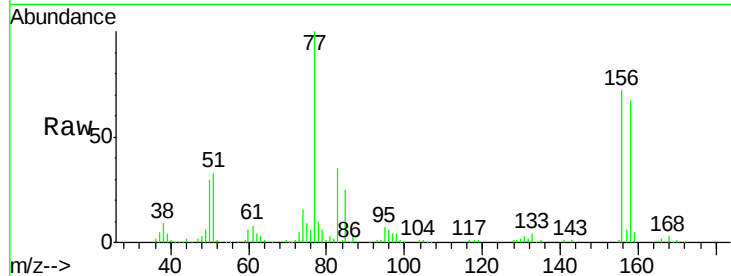
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	20817
Ion Ratio	Lower	Upper	
156	100		
77	146.1	71.4	214.2
158	97.1	48.9	146.6

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#78

n-propylbenzene

Concen: 4.68 ug/l

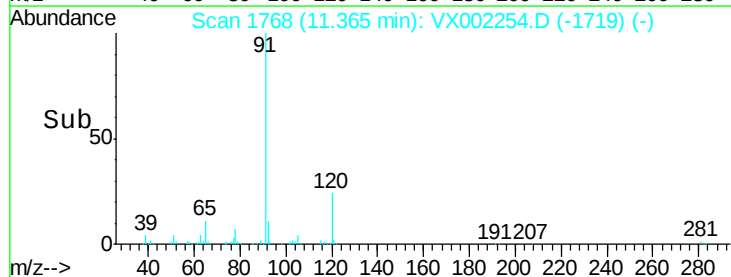
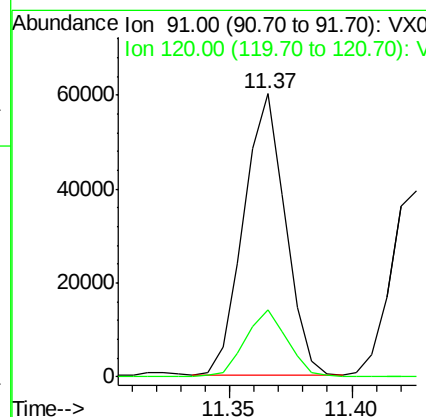
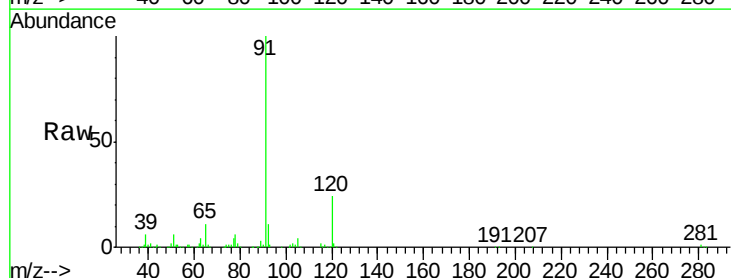
RT: 11.37 min Scan# 1768

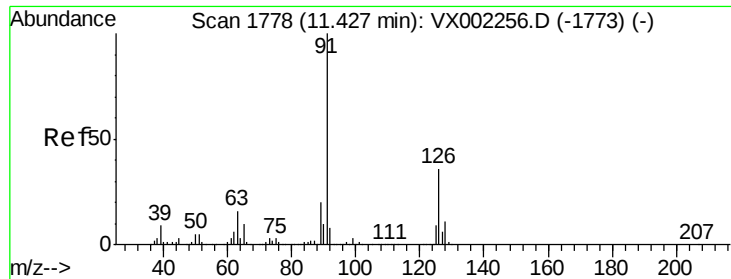
Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Tgt Ion:	91	Resp:	71432
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.4





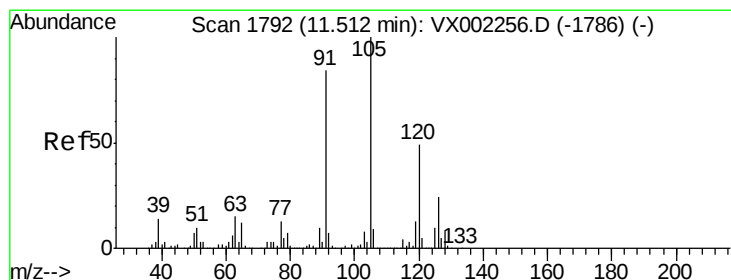
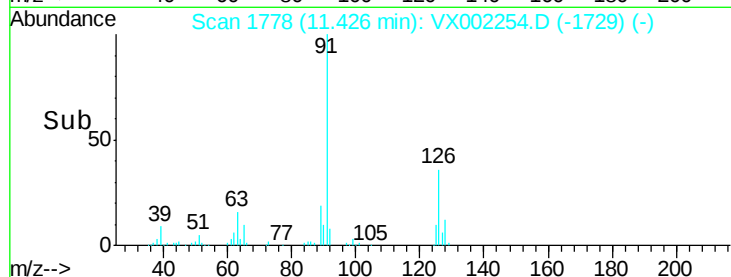
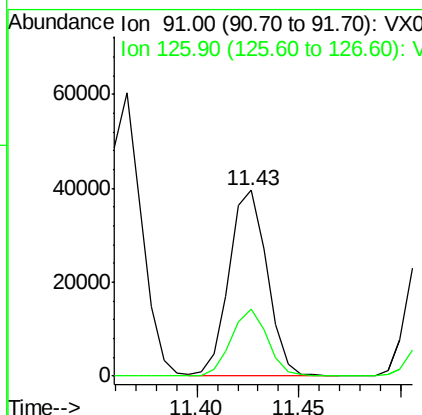
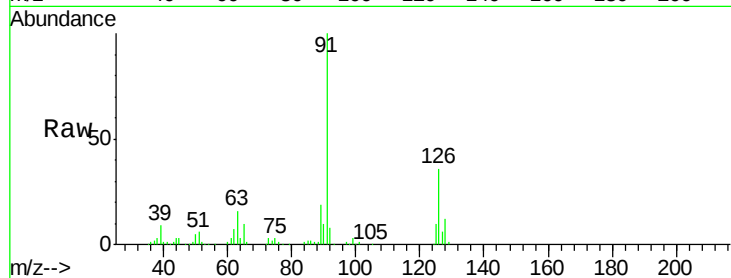
#79
 2-Chlorotoluene
 Concen: 5.24 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 50530
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.7 53.1

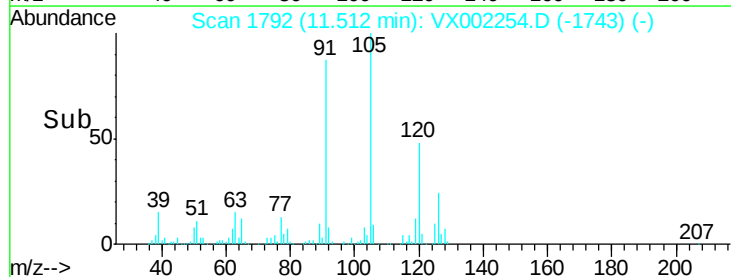
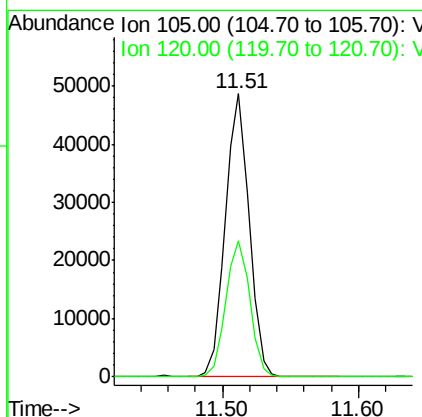
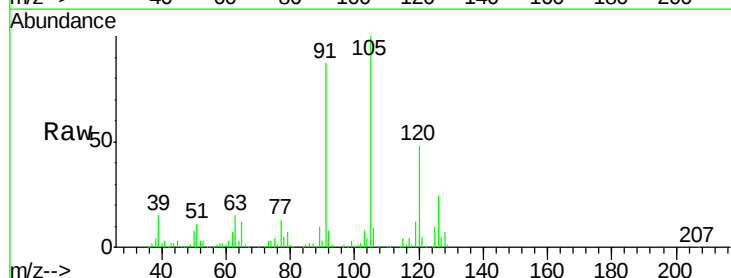
Manual Integrations
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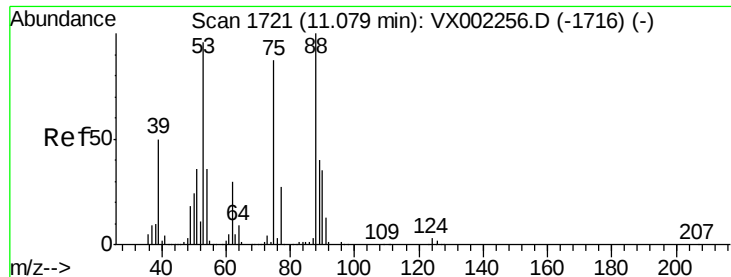
MMDadoda
 6/5/2018 5:56:01 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 5.02 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Tgt Ion: 105 Resp: 59178
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 4.82 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

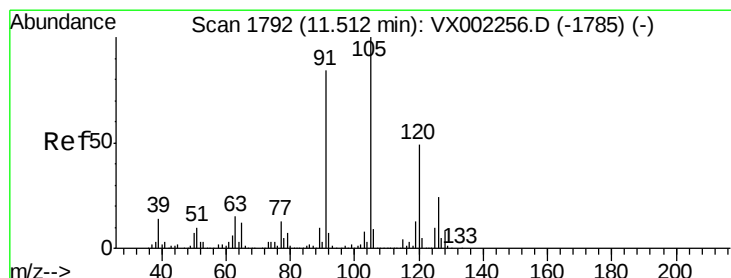
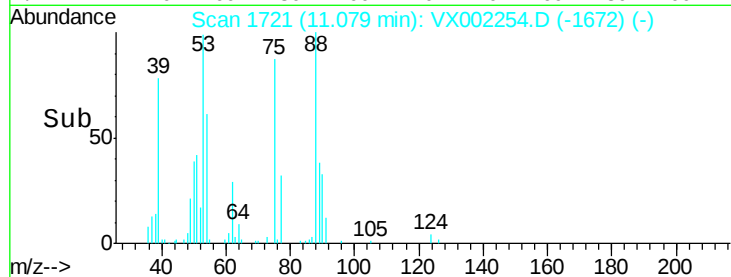
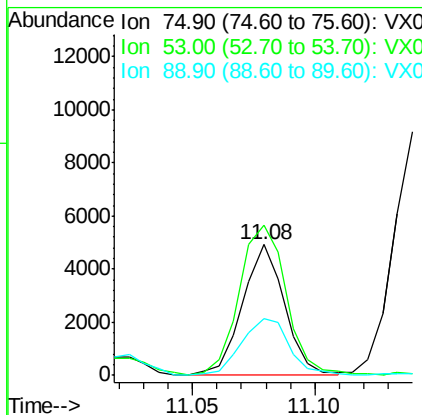
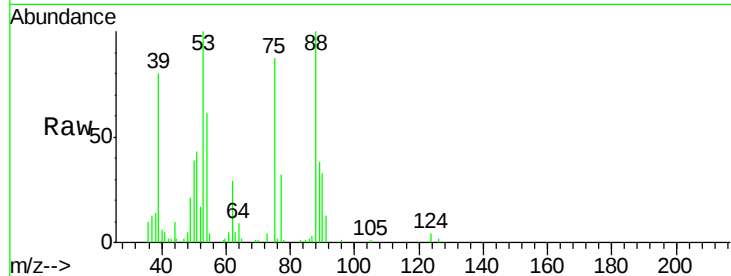
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	5951
Ion	Ratio	Lower	Upper
75	100		
53	128.1	86.8	130.2
89	49.5	38.2	57.2

Manual Integrations
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6/5/2018 5:56:01 PM



#82

4-Chlorotoluene

Concen: 5.07 ug/l

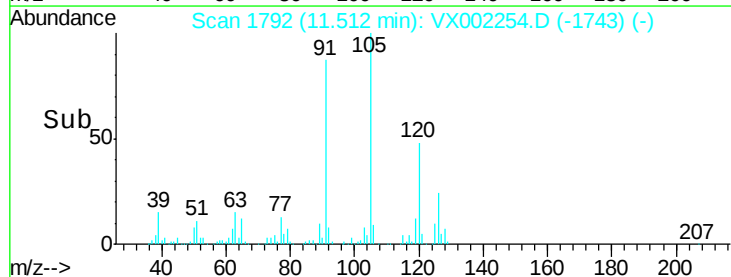
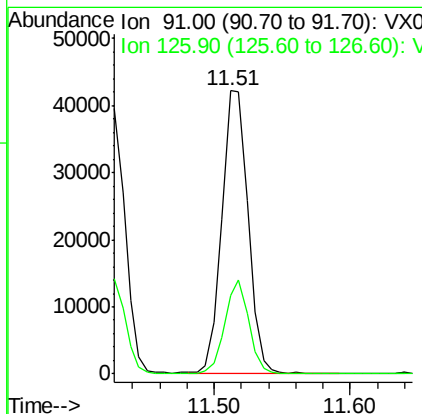
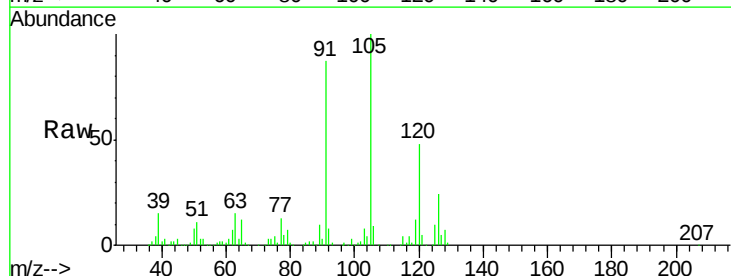
RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Tgt Ion:	91	Resp:	56363
Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.4	46.4





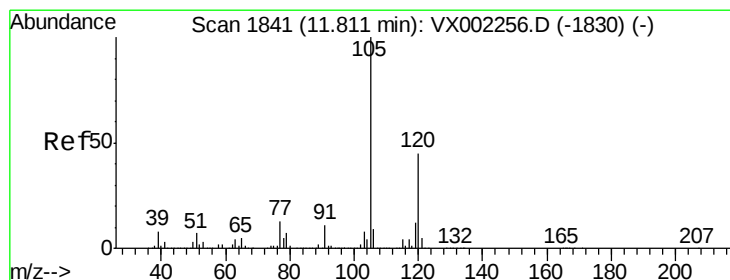
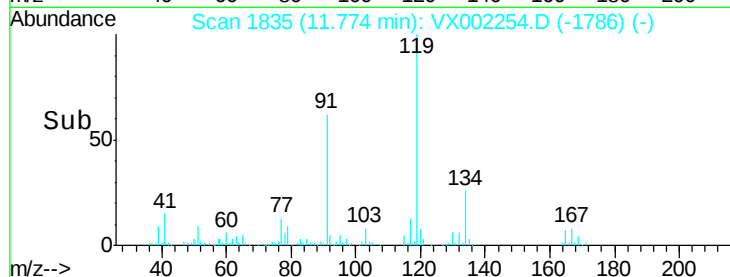
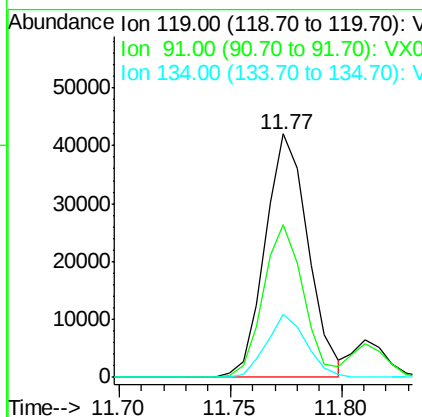
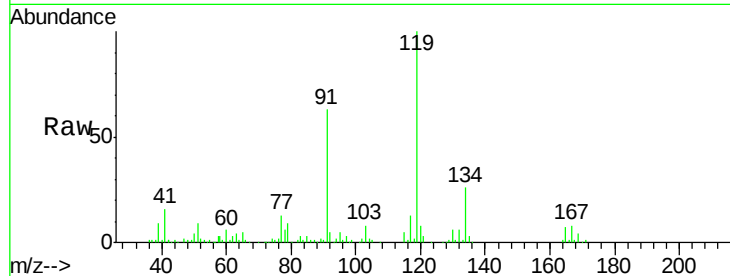
#83
tert-Butylbenzene
Concen: 4.90 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.3	90.9
134	24.2	11.7	35.1

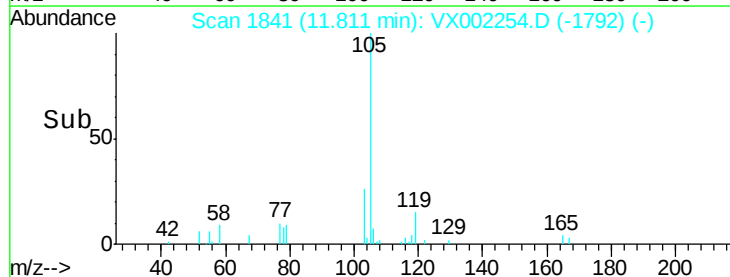
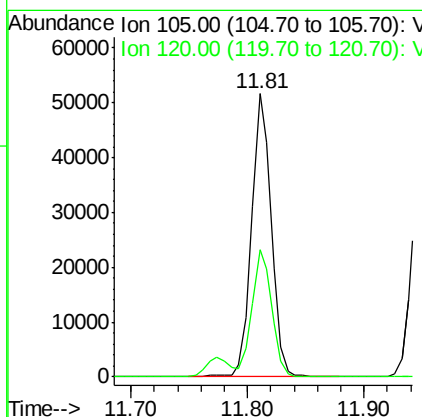
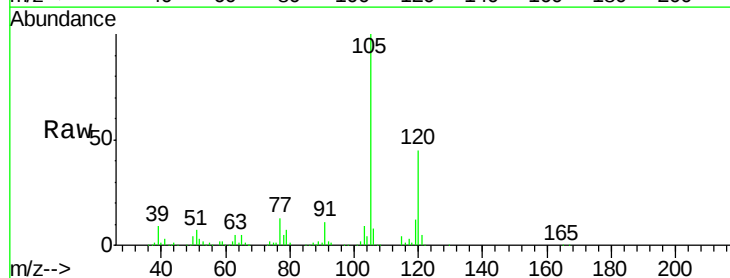
Manual Integrations
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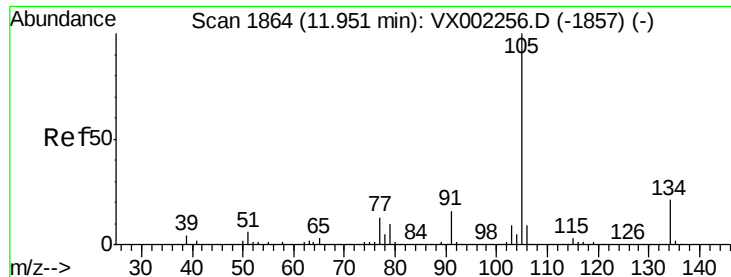
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 5.04 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8





#85

sec-Butylbenzene

Concen: 4.41 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 59315

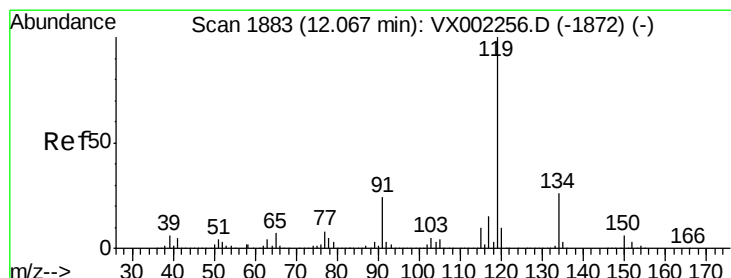
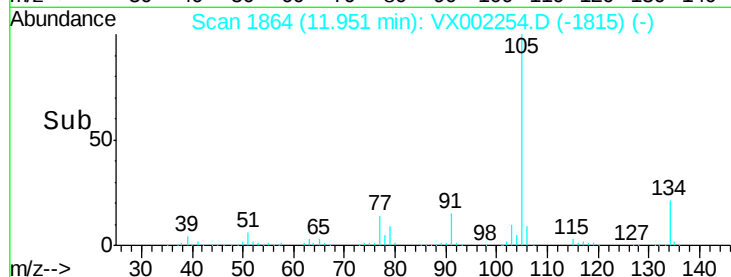
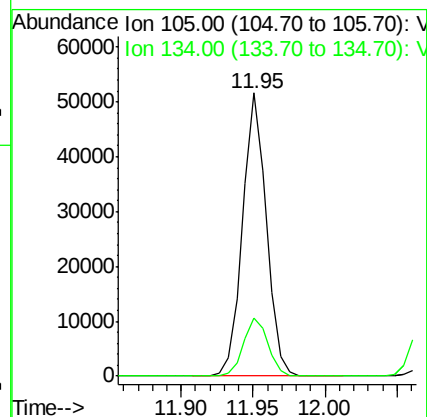
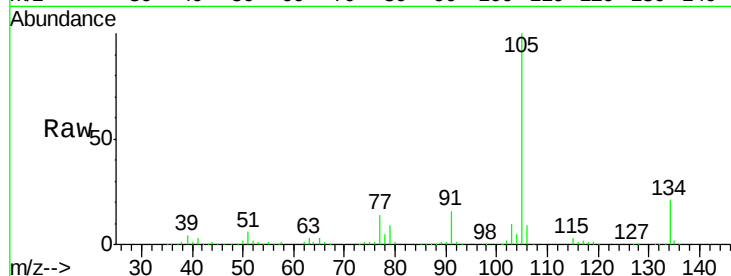
Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 4.51 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

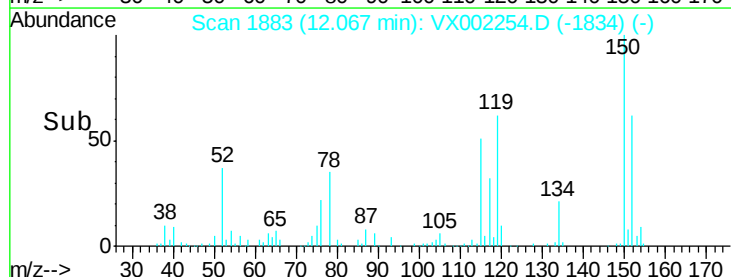
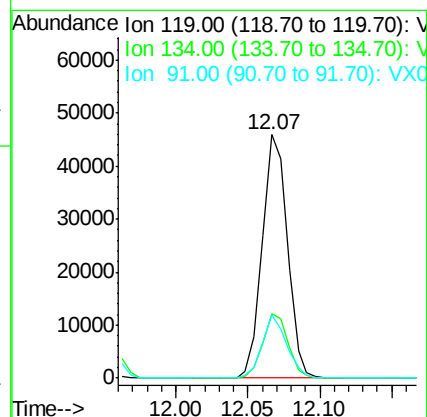
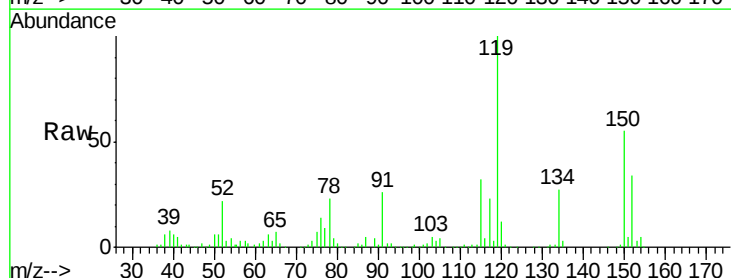
Tgt Ion:119 Resp: 55229

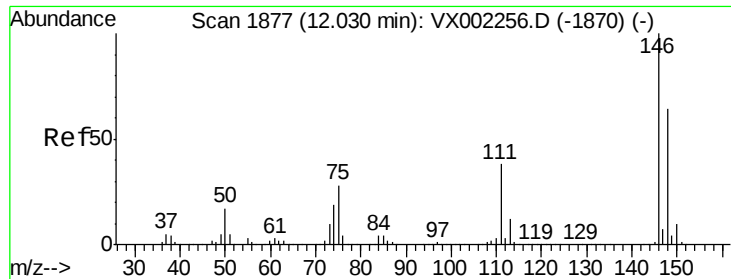
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 25.5 11.9 35.7





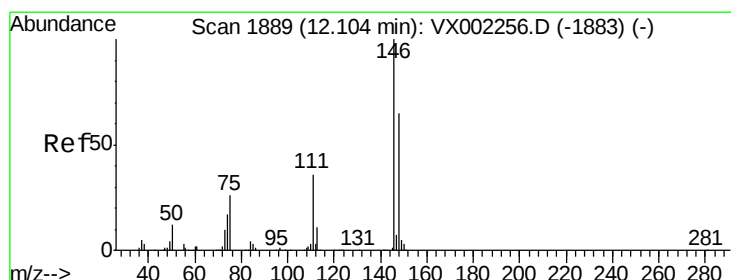
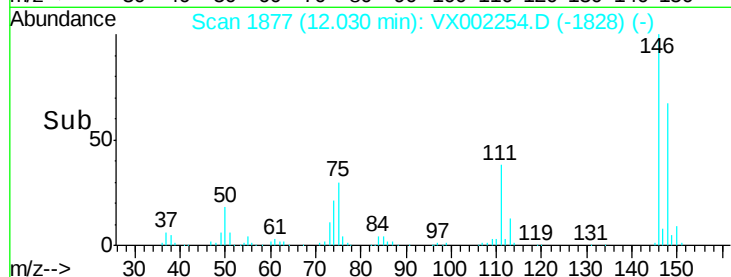
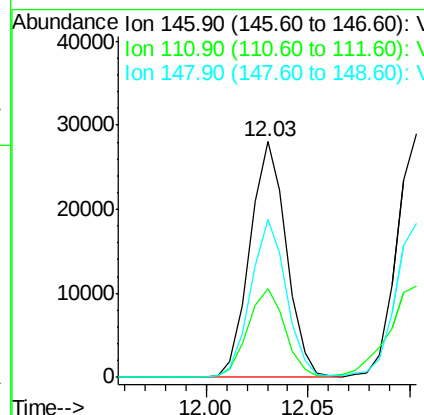
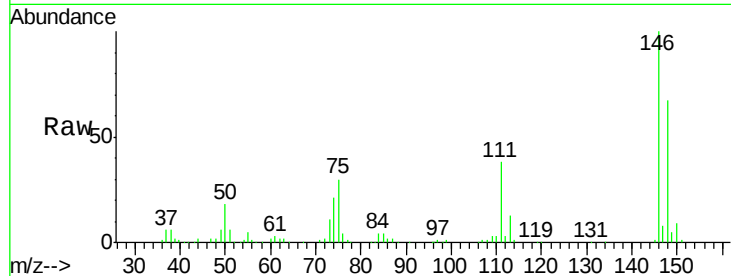
#87
 1,3-Dichlorobenzene
 Concen: 5.05 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.7
148	65.5	32.1	96.3

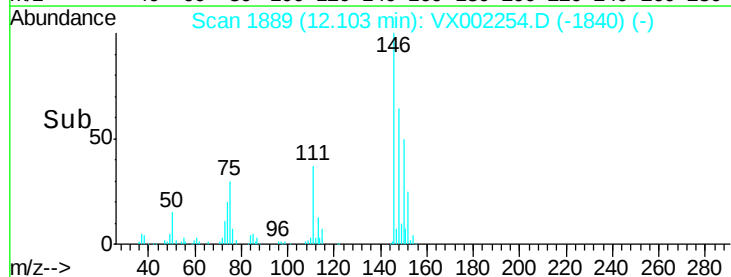
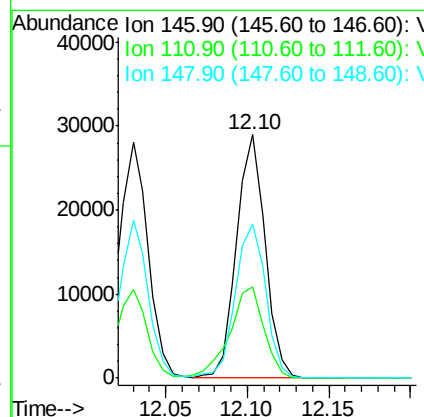
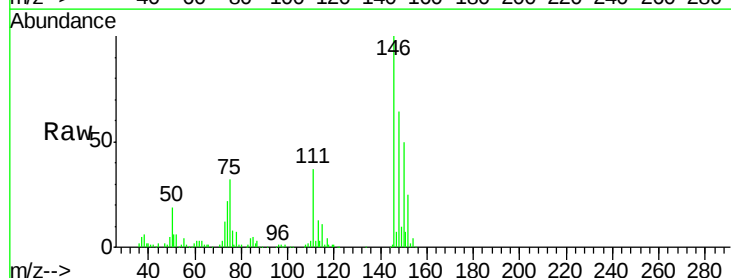
Manual Integrations
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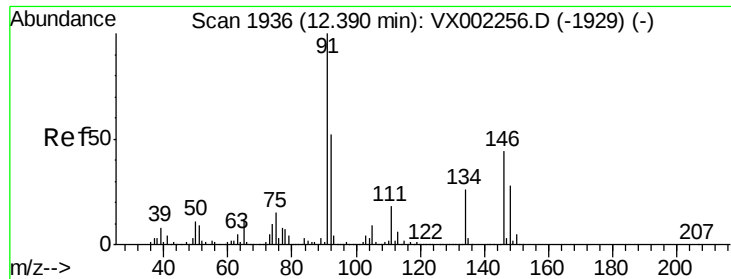
MMDadoda
 6/5/2018 5:56:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.98 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	18.7	56.1
148	67.1	32.4	97.0





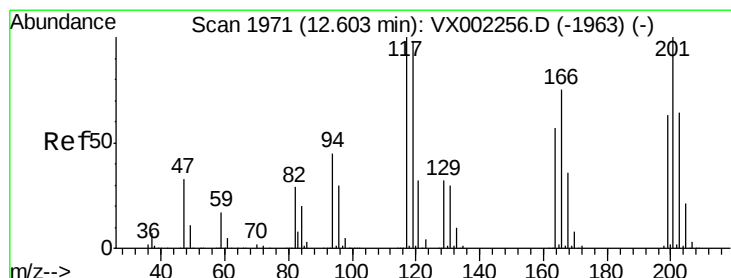
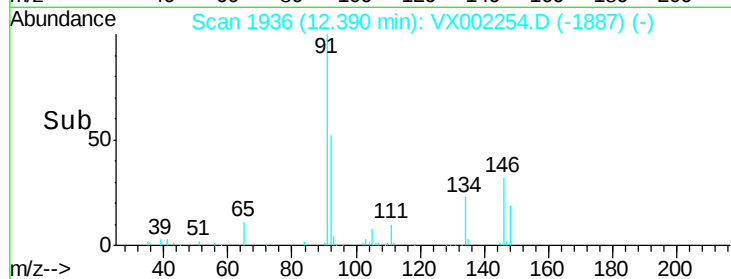
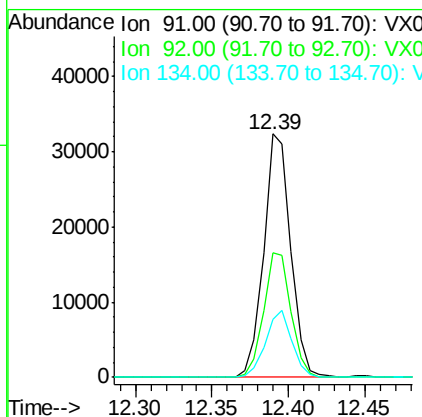
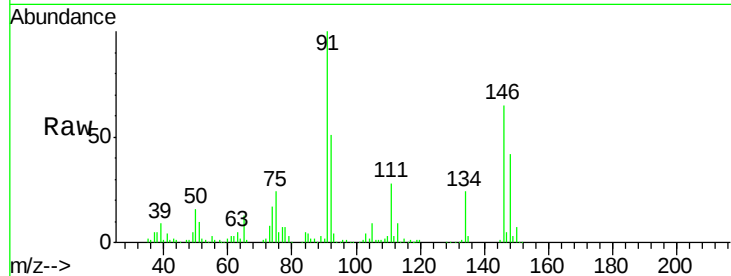
#89
n-Butylbenzene
Concen: 3.89 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	26.7	13.5	40.5

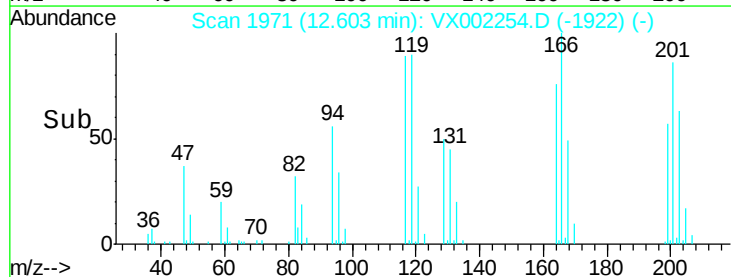
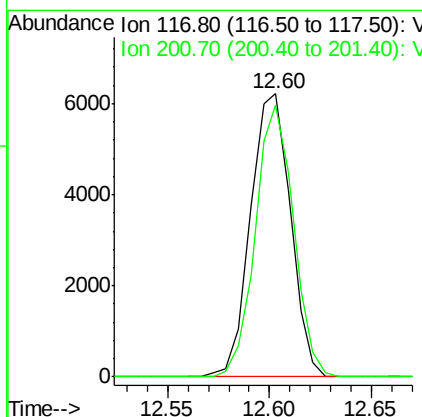
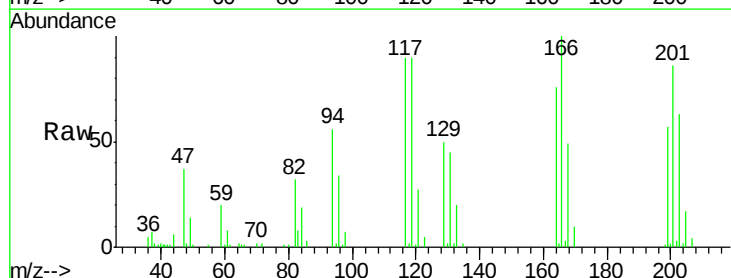
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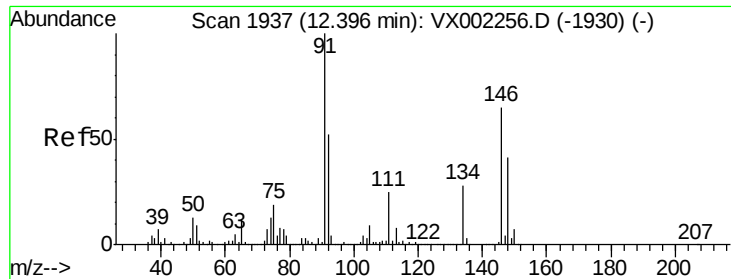
MMDadoda
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#90
Hexachloroethane
Concen: 4.33 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002254.D
Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.7	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 5.33 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

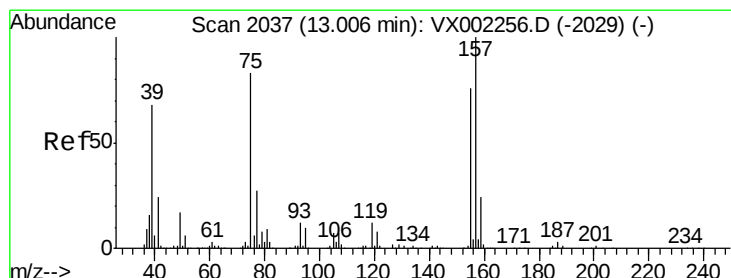
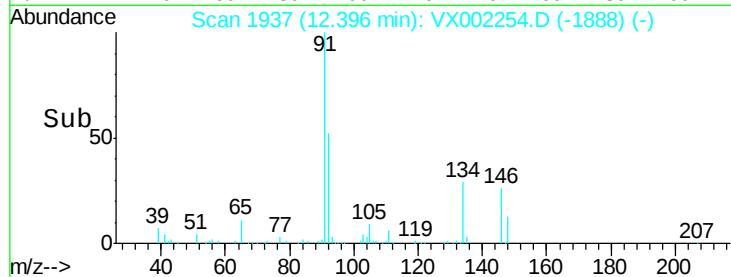
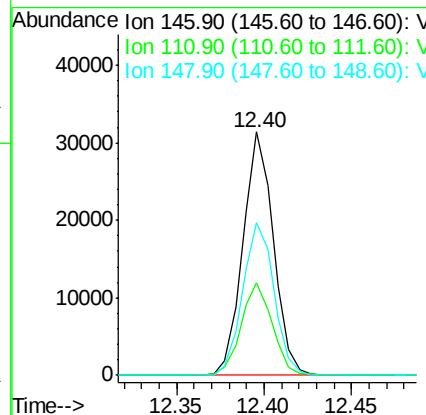
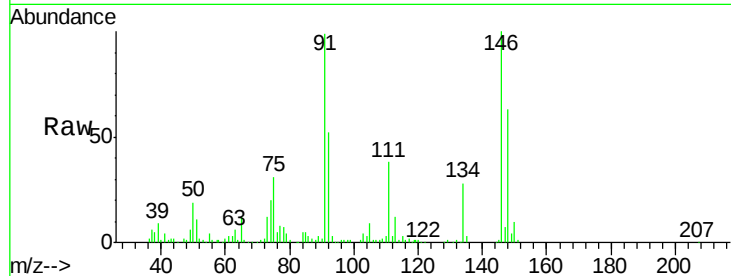
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	64.4	31.7	95.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 5.32 ug/l

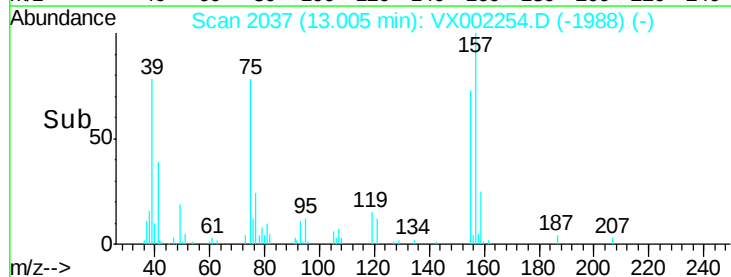
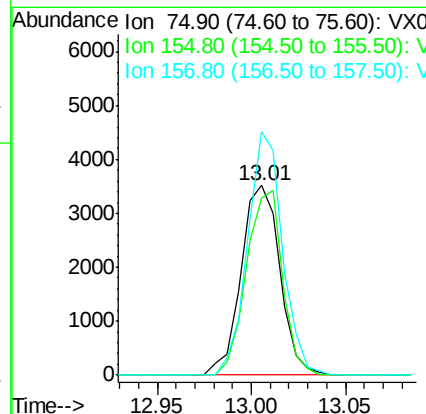
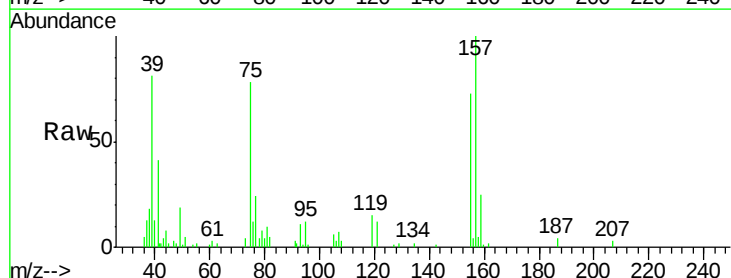
RT: 13.01 min Scan# 2037

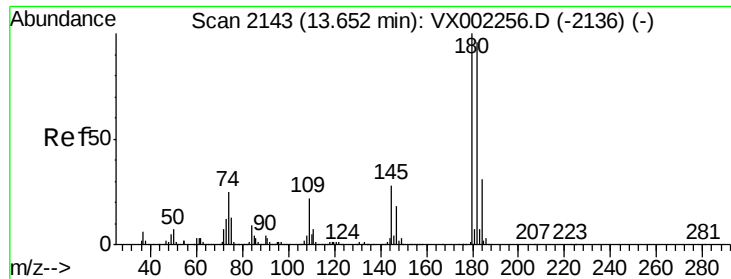
Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	45.8	137.4
157	115.0	60.1	180.3





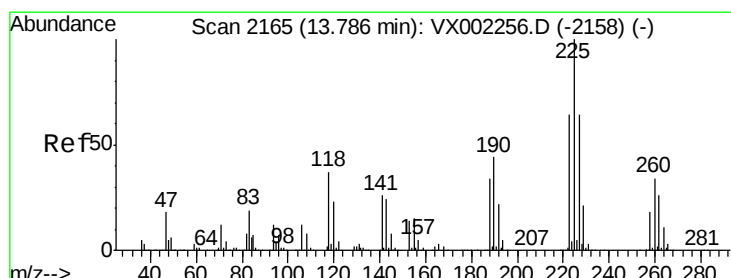
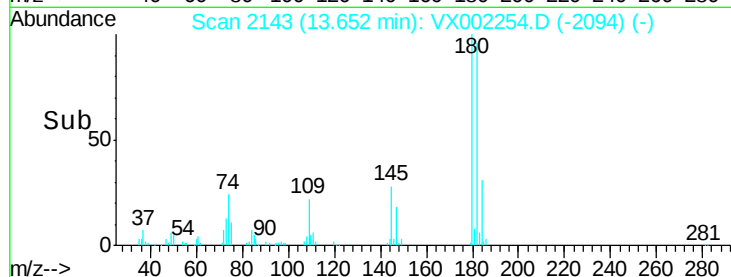
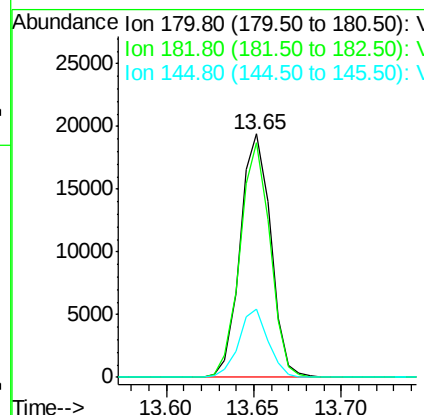
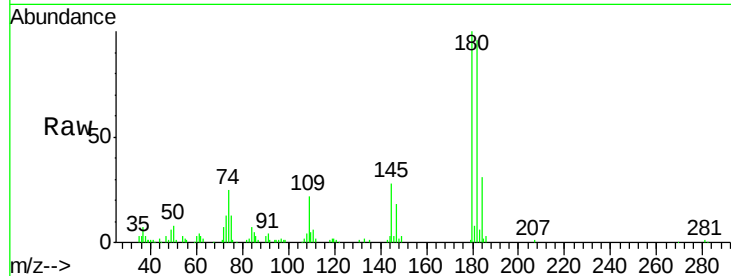
#93
 1,2,4-Trichlorobenzene
 Concen: 4.71 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.7	143.1
145	27.0	14.1	42.4

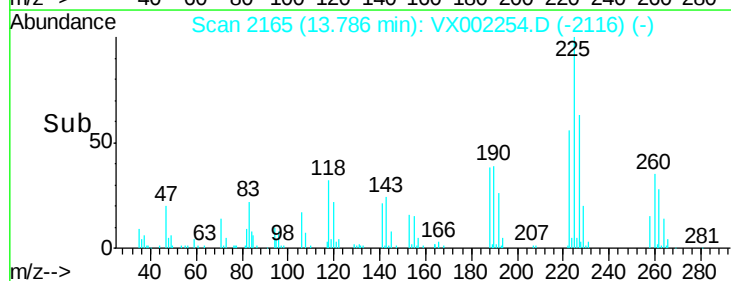
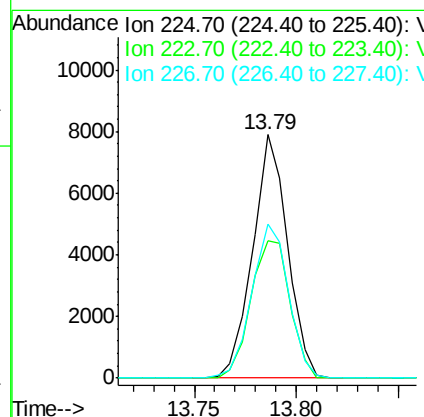
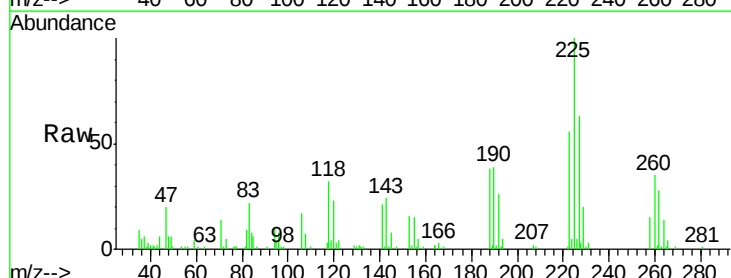
Manual Integrations
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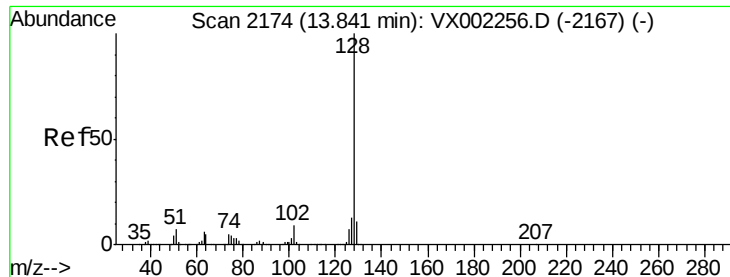
MMDadoda
 6/5/2018 5:56:01 PM



#94
 Hexachlorobutadiene
 Concen: 3.79 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002254.D
 Acq: 04 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.6	95.0
227	66.8	32.4	97.2





#95

Naphthalene

Concen: 5.14 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Instrument :

MSVOA_X

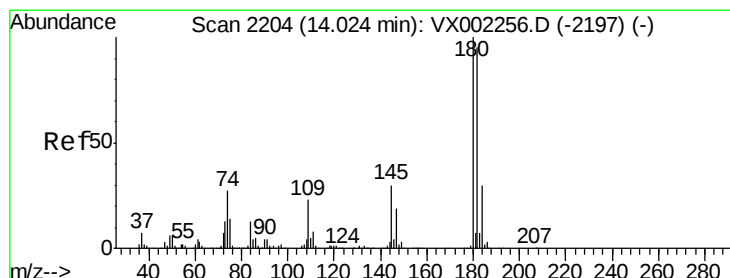
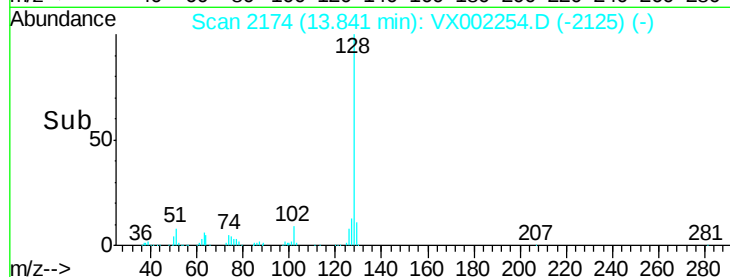
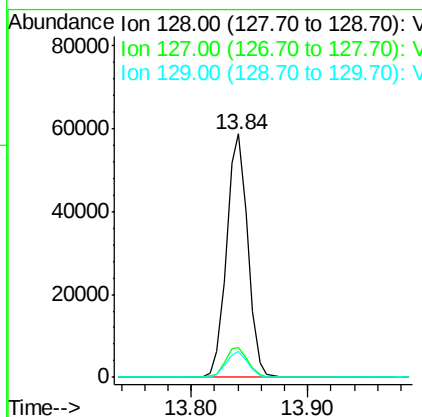
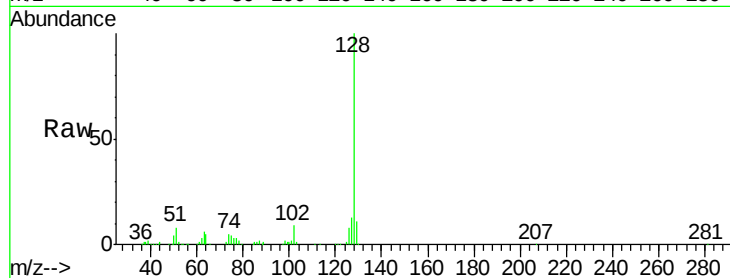
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	73909
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.84 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002254.D

Acq: 04 Jun 2018 10:33

Tgt Ion:	180	Resp:	24712
Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.0	144.0
145	29.7	14.8	44.3

