

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033018\
 Data File : VX000581.D
 Acq On : 31 Mar 2018 00:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 4/4/2018 10:29:40 AM

Quant Time: Mar 31 05:17:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	197839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	335681	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	210009	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	126943	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	5.51	113	105277	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	8.73	98	424900	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.15	95	163520	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	93502	42.884	ug/l	98
3) Chloromethane	1.32	50	98386	42.832	ug/l	97
4) Vinyl Chloride	1.40	62	117610	48.457	ug/l	96
5) Bromomethane	1.64	94	128928	44.375	ug/l	96
6) Chloroethane	1.72	64	78173	53.850	ug/l	93
7) Trichlorofluoromethane	1.93	101	213760	48.795	ug/l	99
8) Diethyl Ether	2.20	74	78006	49.827	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	118640	48.568	ug/l	94
10) Methyl Iodide	2.51	142	159087	64.384	ug/l	97
11) Tert butyl alcohol	3.09	59	199436	224.510	ug/l	100
12) 1,1-Dichloroethene	2.38	96	114023	53.173	ug/l	91
13) Acrolein	2.30	56	127684	438.504	ug/l	99
14) Allyl chloride	2.73	41	180079	47.542	ug/l	98
15) Acrylonitrile	3.16	53	411630	228.789	ug/l	98
16) Acetone	2.45	43	391045	182.024	ug/l	99
17) Carbon Disulfide	2.57	76	296435	51.966	ug/l	98
18) Methyl Acetate	2.79	43	201026	44.634	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	392289	49.463	ug/l	97
20) Methylene Chloride	2.86	84	124411	50.139	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	122701	51.295	ug/l	94
22) Diisopropyl ether	3.89	45	290217	43.294	ug/l	94
23) Vinyl Acetate	3.84	43	1330404	209.351	ug/l	100
24) 1,1-Dichloroethane	3.70	63	142835	33.890	ug/l	99
25) 2-Butanone	4.72	43	490650	203.190	ug/l	100
26) 2,2-Dichloropropane	4.59	77	122282	41.395	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	103169	46.147	ug/l	97
28) Bromochloromethane	5.03	49	80827	46.507	ug/l	95
29) Tetrahydrofuran	5.18	42	323986	218.069	ug/l	97
30) Chloroform	5.23	83	191117	48.385	ug/l	97
31) Cyclohexane	5.59	56	150595	46.221	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	172556	48.425	ug/l	98
36) 1,1-Dichloropropene	5.81	75	142917	45.452	ug/l	97
37) Ethyl Acetate	4.87	43	179508	41.794	ug/l	100
38) Carbon Tetrachloride	5.79	117	152903	46.352	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	172126	45.012	ug/l	99
40) Benzene	6.15	78	428650	46.943	ug/l	100
41) Methacrylonitrile	5.07	41	93605	41.338	ug/l	96
42) 1,2-Dichloroethane	6.21	62	159063	44.397	ug/l	97
43) Isopropyl Acetate	6.48	43	278396	43.544	ug/l	98
44) Trichloroethene	7.22	130	121094	46.290	ug/l	96
45) 1,2-Dichloropropane	7.52	63	103370	44.226	ug/l	99
46) Dibromomethane	7.67	93	81996	44.694	ug/l	95
47) Bromodichloromethane	7.91	83	149896	46.438	ug/l	99
48) Methyl methacrylate	7.79	41	134655	43.382	ug/l	95
49) 1,4-Dioxane	7.77	88	61709	945.816	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	1025871	207.298	ug/l	96
52) Toluene	8.79	92	298730	46.796	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	174647	46.692	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	171911	47.382	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	123823	47.168	ug/l	97
56) Ethyl methacrylate	9.19	69	187326	47.091	ug/l	92
57) 1,3-Dichloropropane	9.38	76	196587	46.820	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	442539	231.795	ug/l	97
59) 2-Hexanone	9.51	43	841013	200.143	ug/l	96
60) Dibromochloromethane	9.59	129	135424	44.120	ug/l	98
61) 1,2-Dibromoethane	9.68	107	138787	49.300	ug/l	100
64) Tetrachloroethene	9.34	164	126342	46.565	ug/l	97
65) Chlorobenzene	10.15	112	358240	46.039	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	126058	47.701	ug/l	98
67) Ethyl Benzene	10.26	91	597727	45.315	ug/l	98
68) m/p-Xylenes	10.37	106	481465	92.759	ug/l	95
69) o-Xylene	10.71	106	233350	46.432	ug/l	96
70) Styrene	10.72	104	397863	47.846	ug/l	95
71) Bromoform	10.87	173	111729	41.473	ug/l #	96
73) Isopropylbenzene	11.02	105	632682	45.470	ug/l	99
74) N-amyl acetate	6.48	43	278396	45.613	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	211659	43.007	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	189052m	41.887	ug/l	
77) Bromobenzene	11.26	156	172619	46.569	ug/l	93
78) n-propylbenzene	11.37	91	729170	43.949	ug/l	98
79) 2-Chlorotoluene	11.43	91	410261	42.803	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	533469	45.597	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	58262	41.793	ug/l	97
82) 4-Chlorotoluene	11.52	91	500596	43.742	ug/l	95
83) tert-Butylbenzene	11.78	119	540050	45.768	ug/l	97
84) 1,2,4-Trimethylbenzene	11.82	105	551704	44.977	ug/l	99
85) sec-Butylbenzene	11.95	105	652959	44.722	ug/l	98
86) p-Isopropyltoluene	12.07	119	600743	46.330	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	326225	46.546	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	335728	45.626	ug/l	98
89) n-Butylbenzene	12.40	91	540225	44.746	ug/l	98
90) Hexachloroethane	12.60	117	88636	43.429	ug/l	90
91) 1,2-Dichlorobenzene	12.40	146	323103	47.023	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	57105	41.604	ug/l #	58

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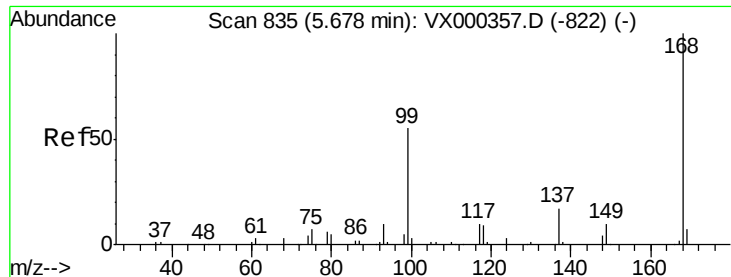
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	248517	50.450	ug/l	98
94) Hexachlorobutadiene	13.79	225	92856	45.526	ug/l	99
95) Naphthalene	13.84	128	906539	52.830	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	242561	49.833	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 197839

Ion Ratio Lower Upper

168 100

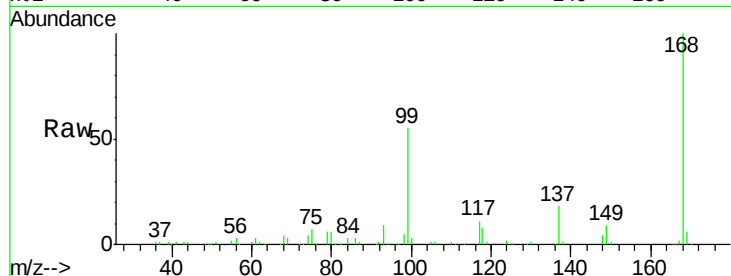
99 55.3 45.8 68.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

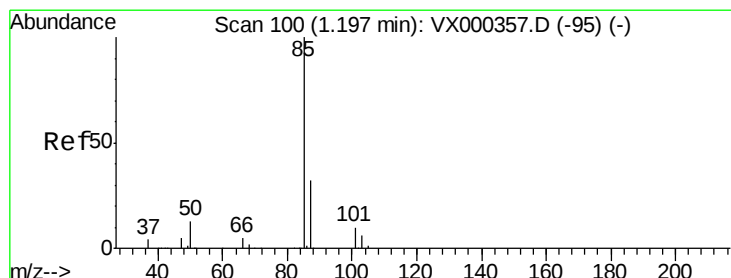
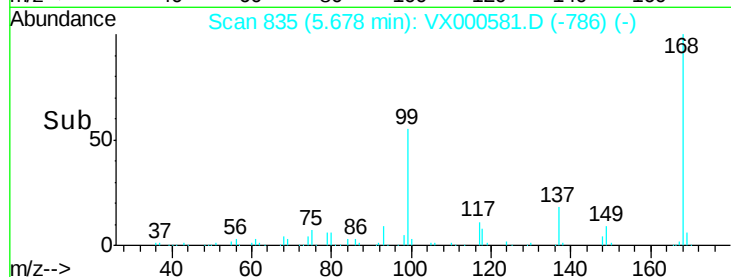
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.884 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000581.D

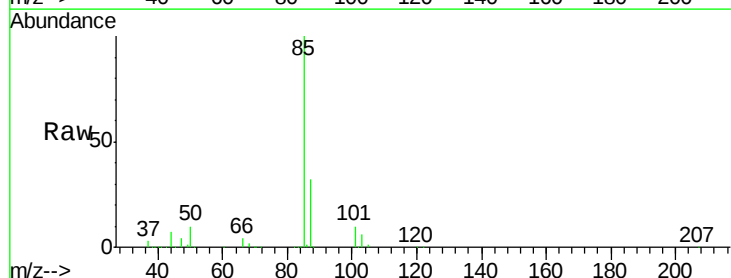
Acq: 31 Mar 2018 00:20

Tgt Ion: 85 Resp: 93502

Ion Ratio Lower Upper

85 100

87 32.2 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

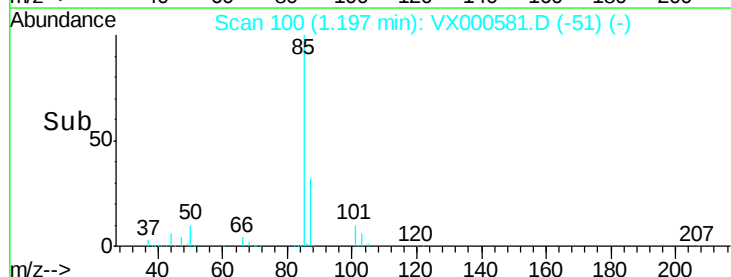
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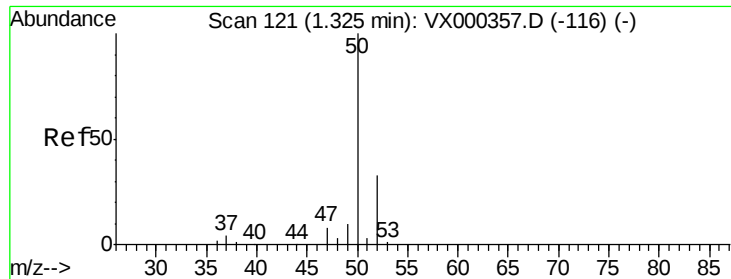
40000

20000

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Time-->





#3

Chloromethane

Concen: 42.832 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 98386

Ion Ratio Lower Upper

50 100

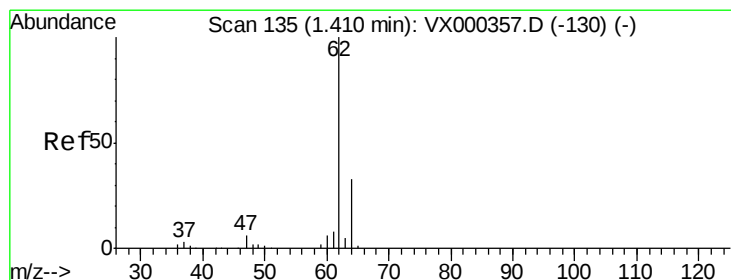
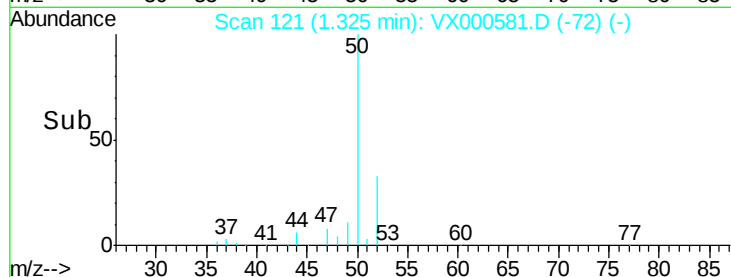
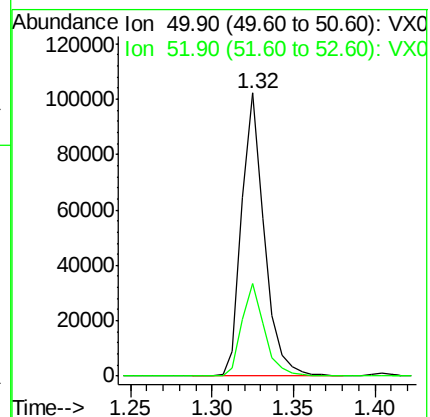
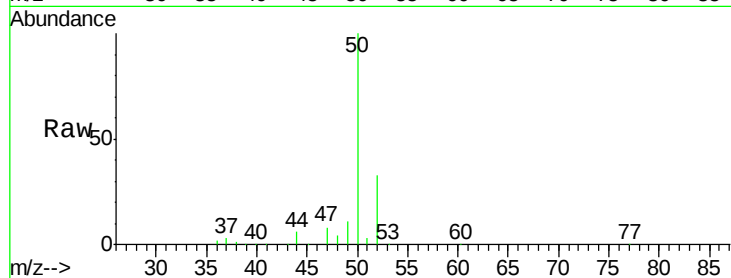
52 32.8 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.457 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000581.D

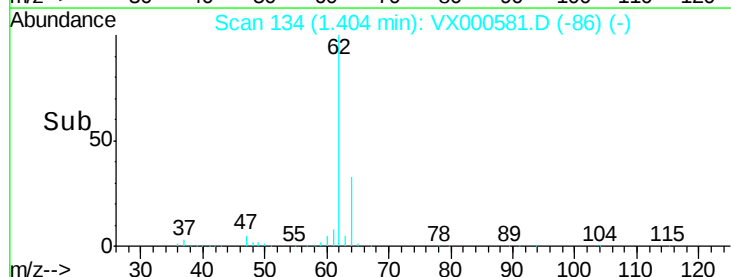
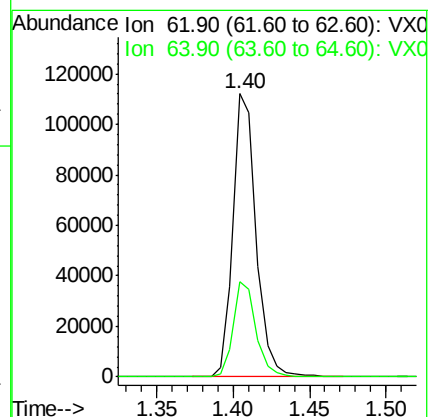
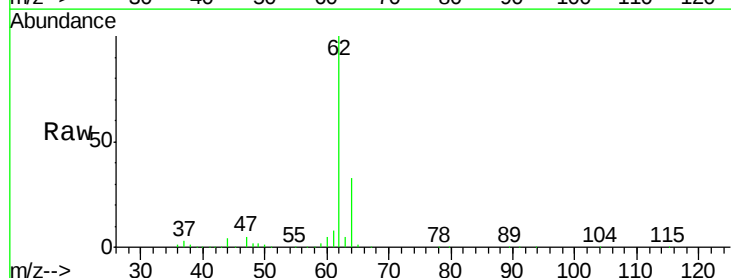
Acq: 31 Mar 2018 00:20

Tgt Ion: 62 Resp: 117610

Ion Ratio Lower Upper

62 100

64 33.4 24.8 37.2





#5

Bromomethane

Concen: 44.375 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 94 Resp: 128928

Ion Ratio Lower Upper

94 100

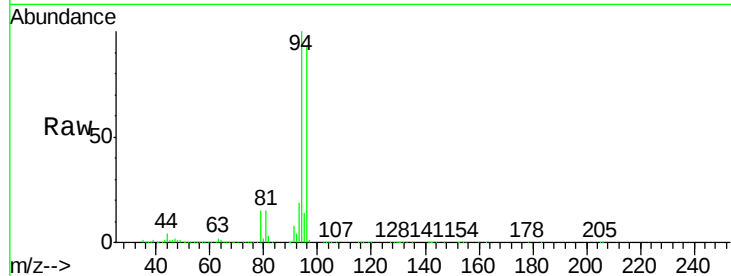
96 93.1 77.7 116.5

Manual Integrations

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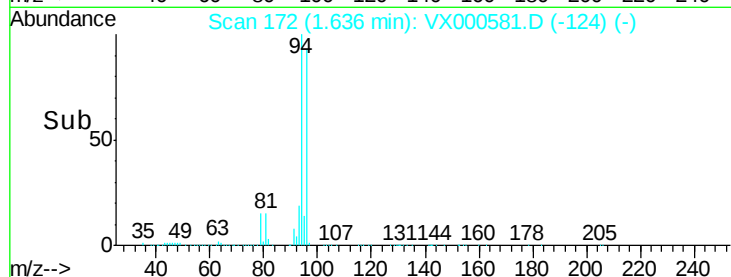
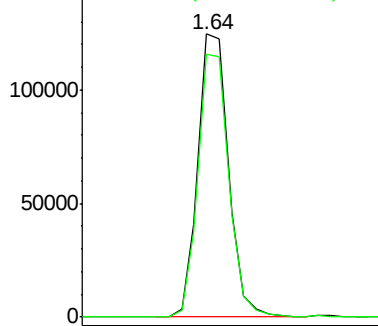
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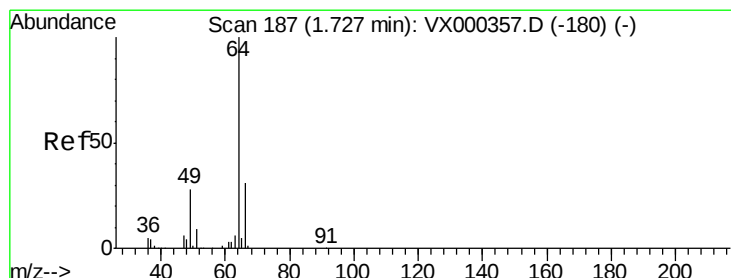


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 53.850 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000581.D

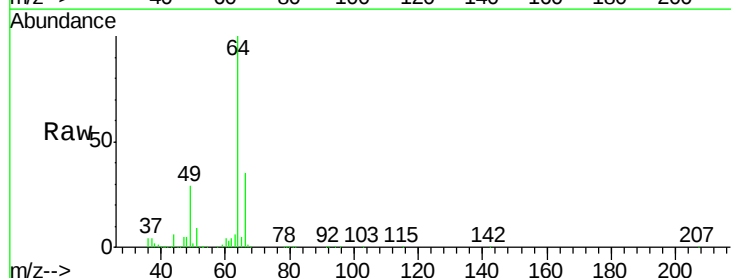
Acq: 31 Mar 2018 00:20

Tgt Ion: 64 Resp: 78173

Ion Ratio Lower Upper

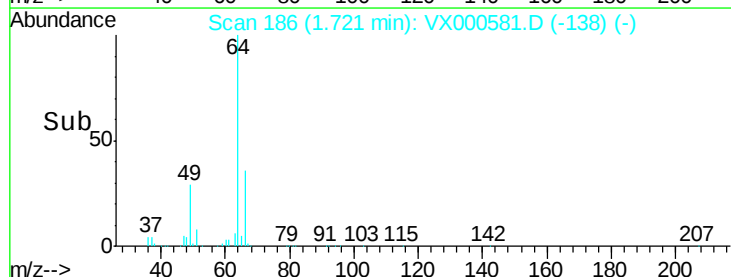
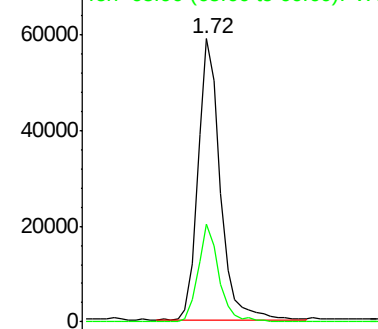
64 100

66 34.6 24.8 37.2

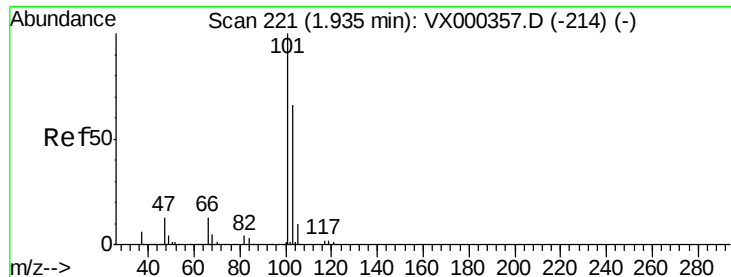


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#7

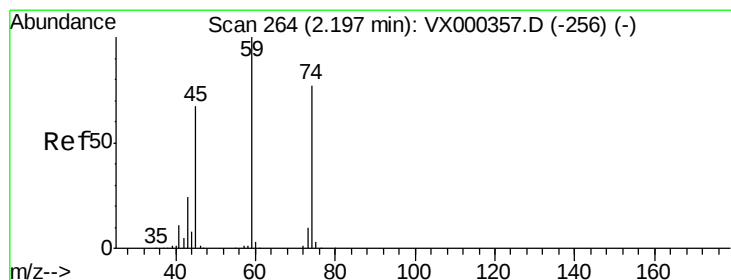
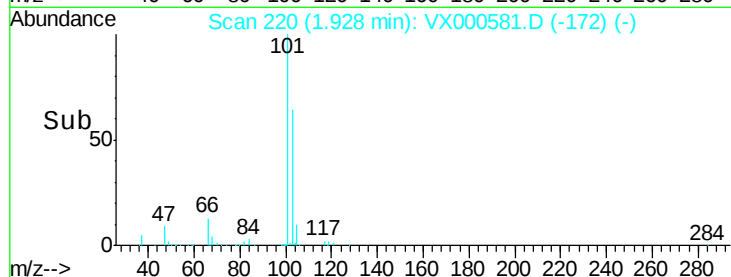
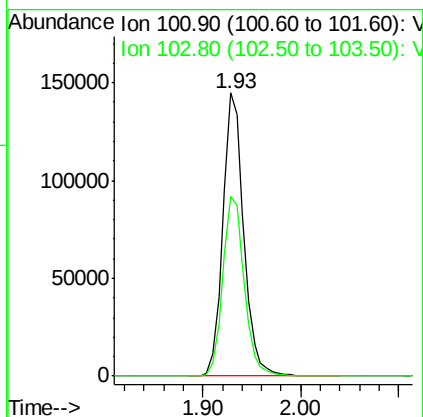
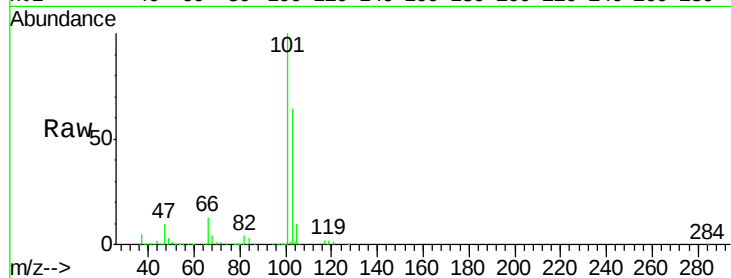
Trichlorofluoromethane
Concen: 48.795 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.01 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.6	77.4

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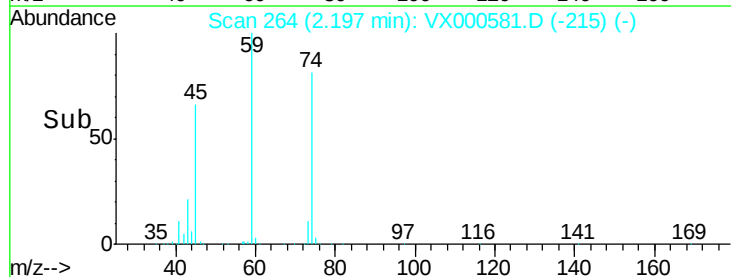
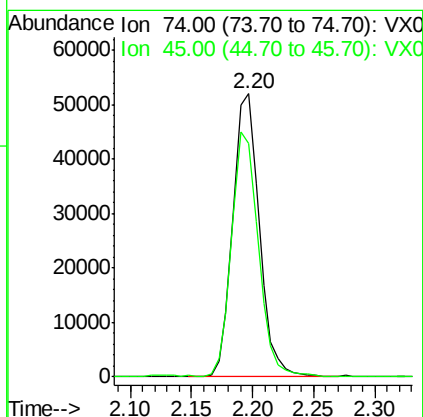
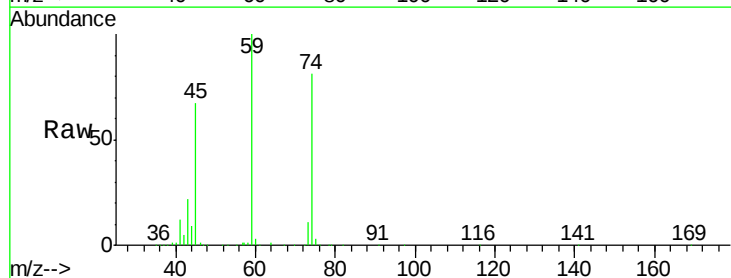
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#8

Diethyl Ether
Concen: 49.827 ug/l
RT: 2.20 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.3	45.1	135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.568 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

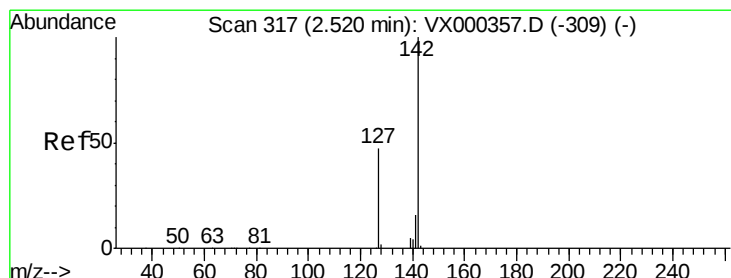
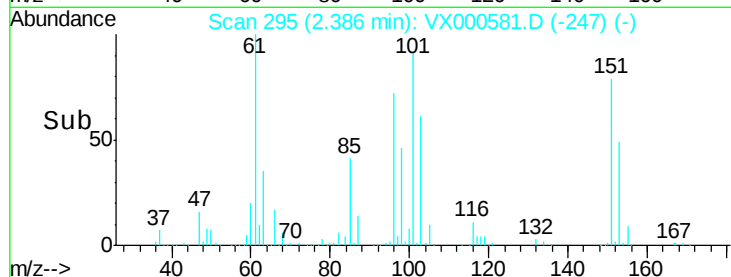
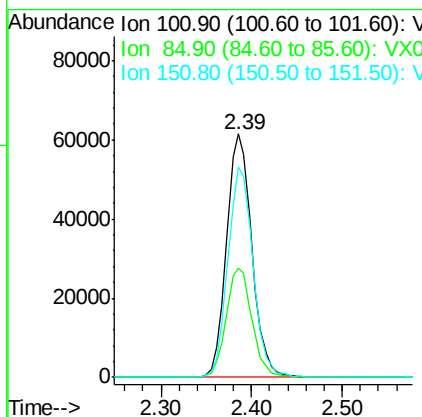
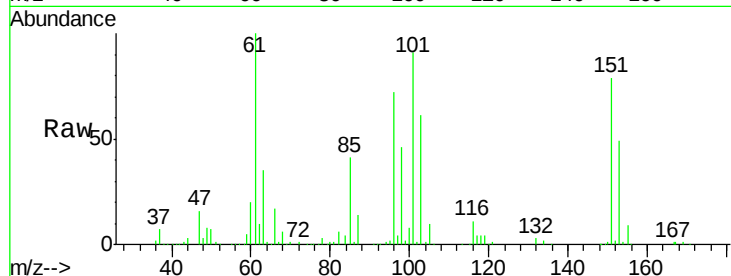
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	118640
Ion Ratio	Lower	Upper	
101	100		
85	45.8	37.6	56.4
151	86.3	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 64.384 ug/l

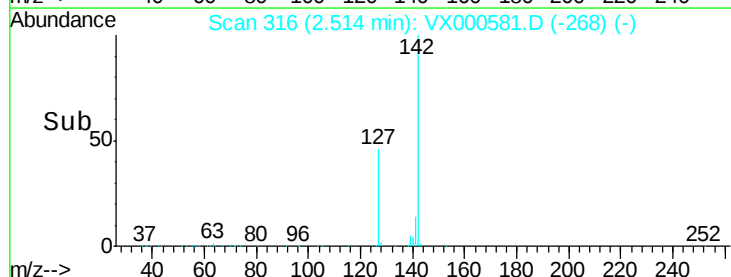
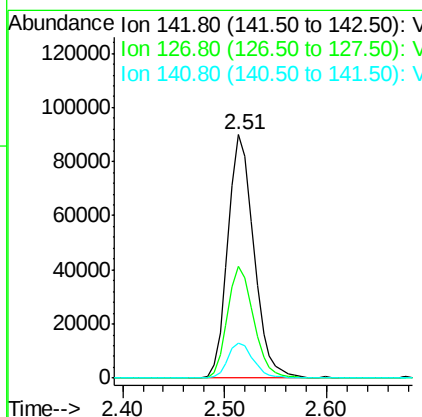
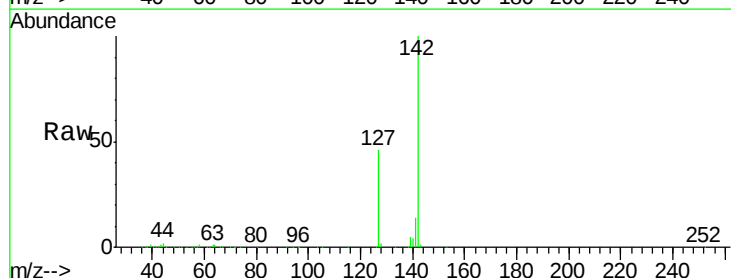
RT: 2.51 min Scan# 316

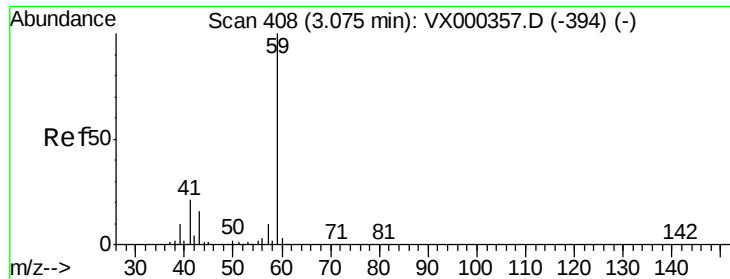
Delta R.T. -0.01 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Tgt Ion:	142	Resp:	159087
Ion Ratio	Lower	Upper	
142	100		
127	46.0	39.2	58.8
141	14.3	11.7	17.5





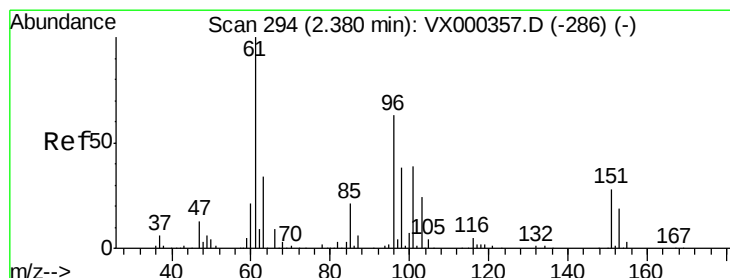
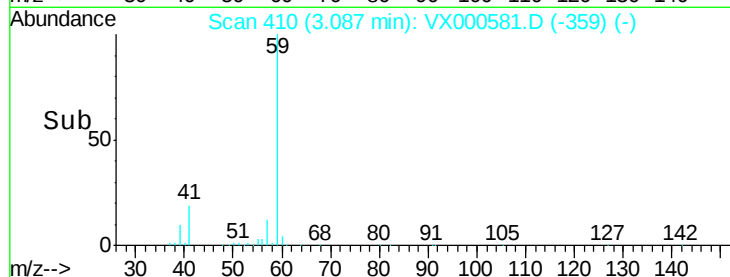
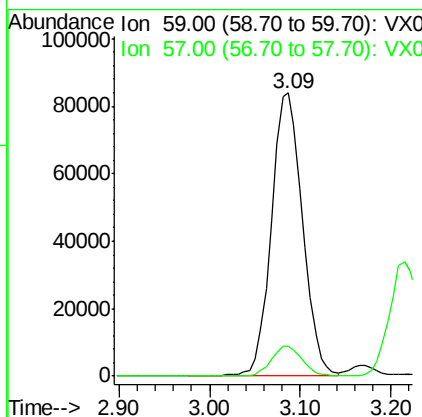
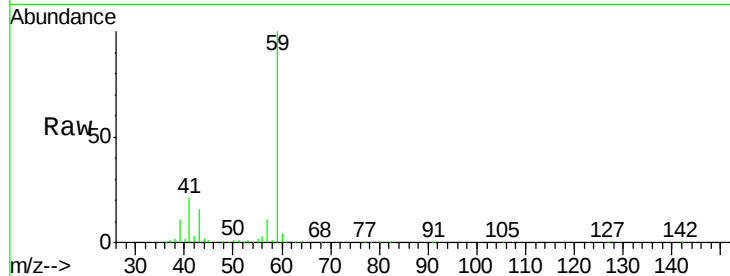
#11
Tert butyl alcohol
Concen: 224.510 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 199436
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

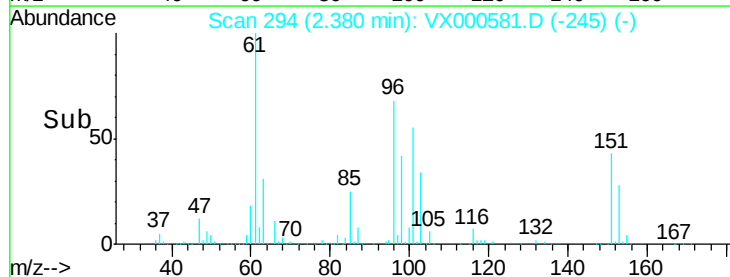
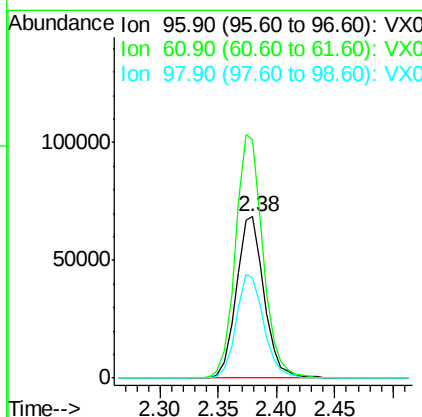
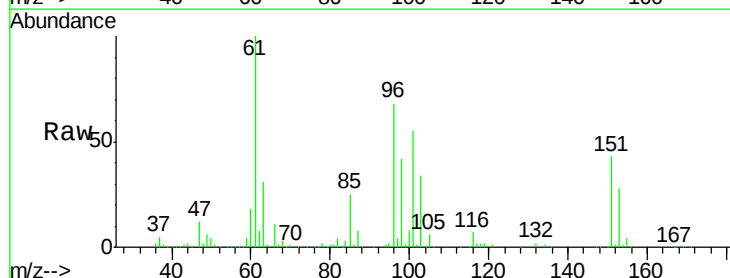
Manual Integrations
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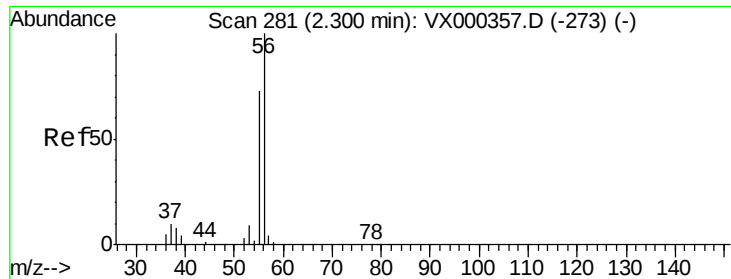
sam
4/4/2018 10:29:40 AM



#12
1,1-Dichloroethene
Concen: 53.173 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion: 96 Resp: 114023
Ion Ratio Lower Upper
96 100
61 147.5 131.2 196.8
98 62.4 49.8 74.8





#13

Acrolein

Concen: 438.504 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 127684

Ion Ratio Lower Upper

56 100

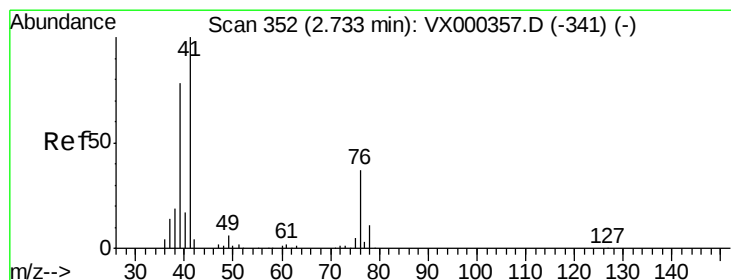
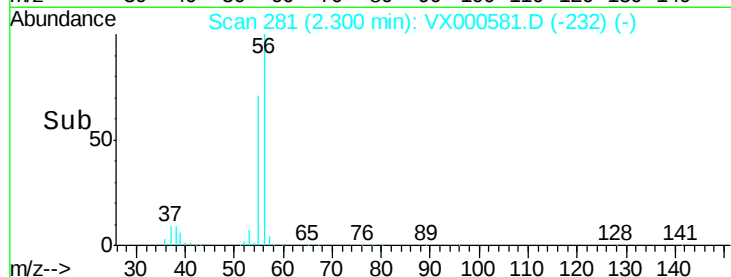
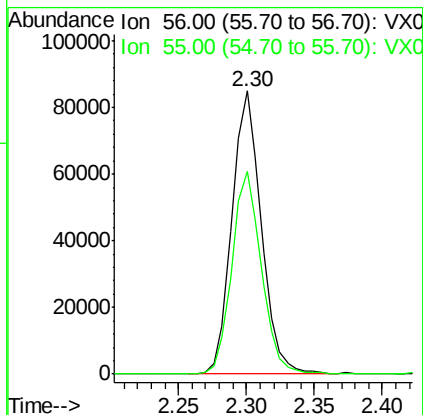
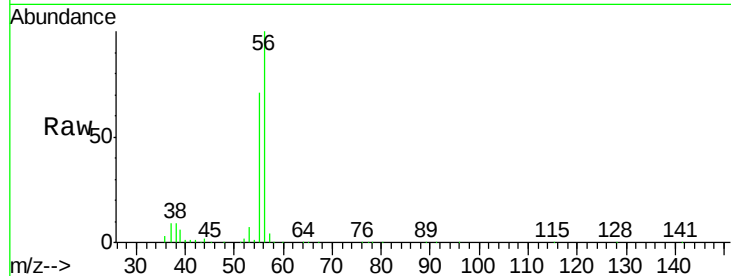
55 72.6 58.8 88.2

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#14

Allyl chloride

Concen: 47.542 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

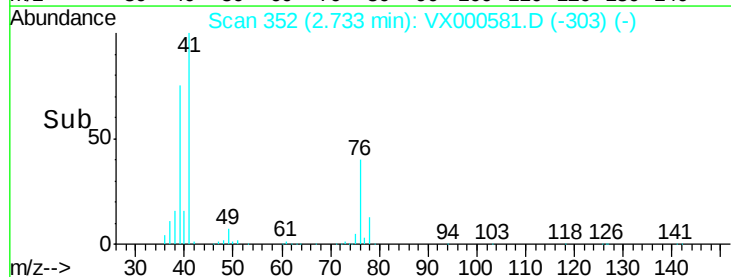
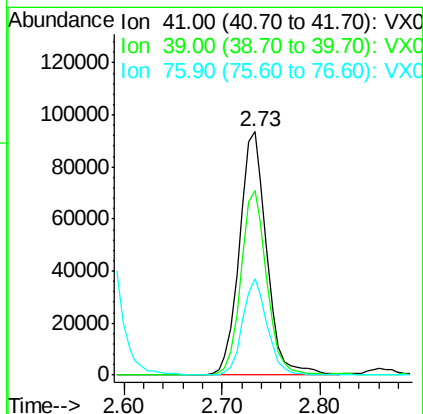
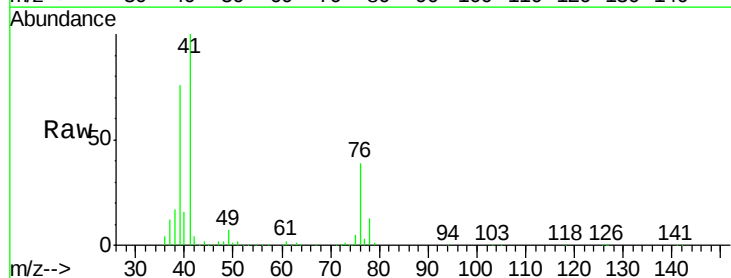
Tgt Ion: 41 Resp: 180079

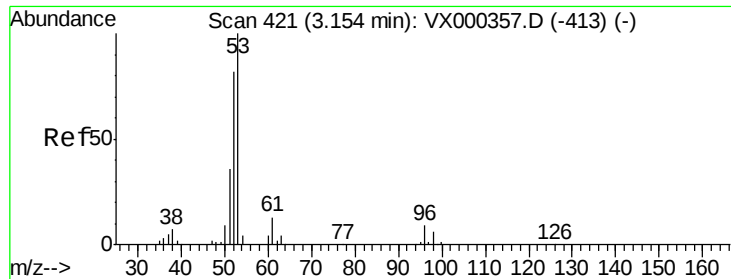
Ion Ratio Lower Upper

41 100

39 70.8 57.6 86.4

76 36.0 27.3 40.9





#15

Acrylonitrile

Concen: 228.789 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

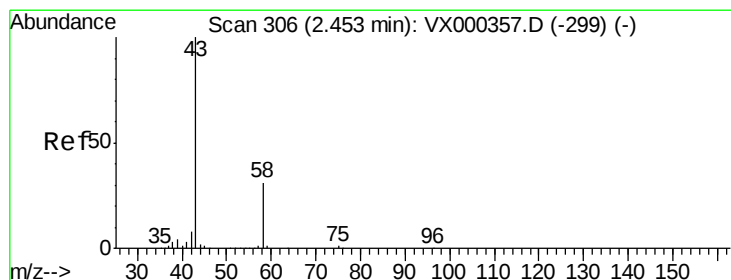
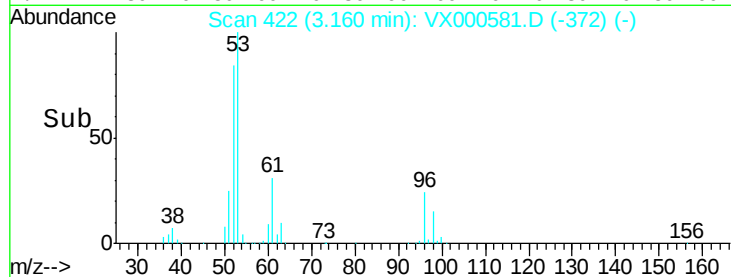
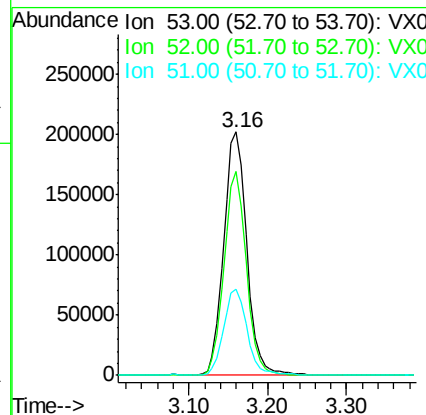
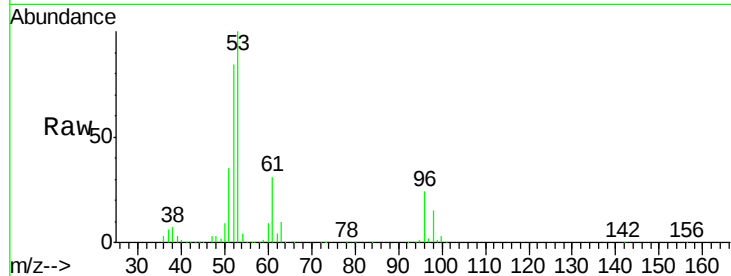
ClientSampled :

VSTDCCC050EC

Tot Ion:	53	Resp:	411630
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.6	99.8
51	36.0	29.3	43.9

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#16

Acetone

Concen: 182.024 ug/l

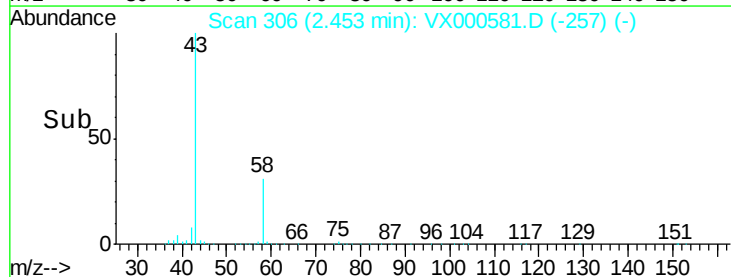
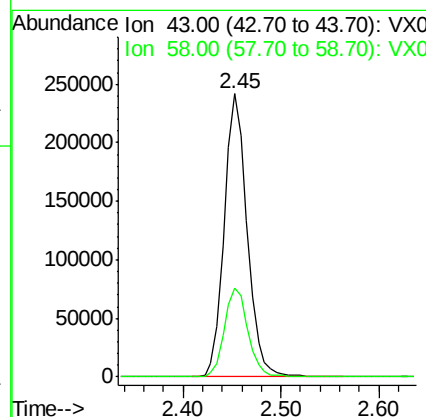
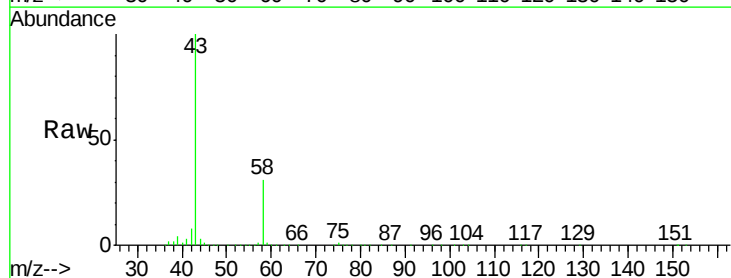
RT: 2.45 min Scan# 306

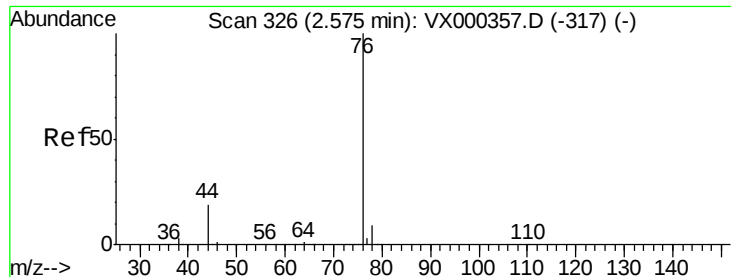
Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Tgt Ion:	43	Resp:	391045
Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.7	37.1





#17

Carbon Disulfide

Concen: 51.966 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 296435

Ion Ratio Lower Upper

76 100

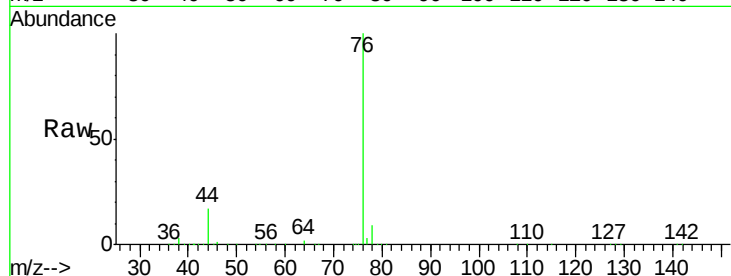
78 9.4 7.0 10.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

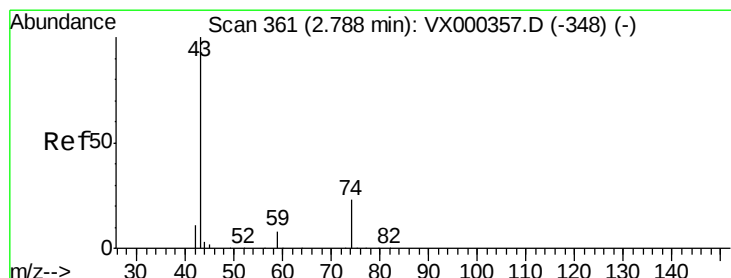
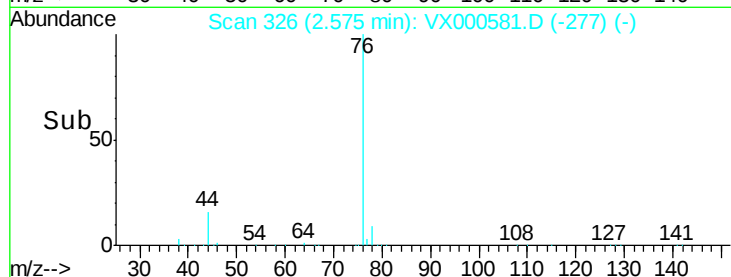
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 44.634 ug/l

RT: 2.79 min Scan# 361

Delta R.T. -0.00 min

Lab File: VX000581.D

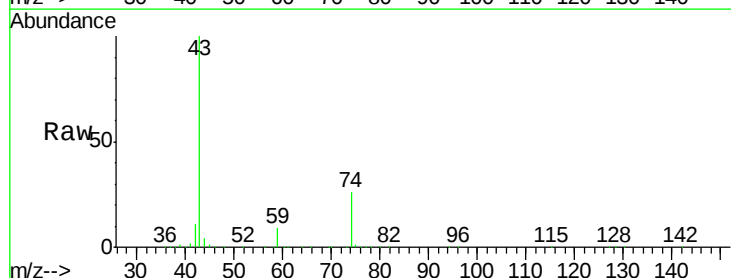
Acq: 31 Mar 2018 00:20

Tgt Ion: 43 Resp: 201026

Ion Ratio Lower Upper

43 100

74 25.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.79

120000

100000

80000

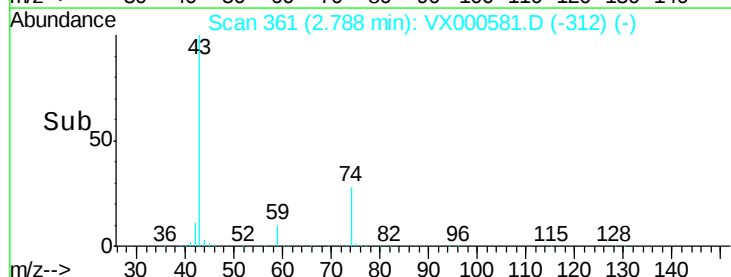
60000

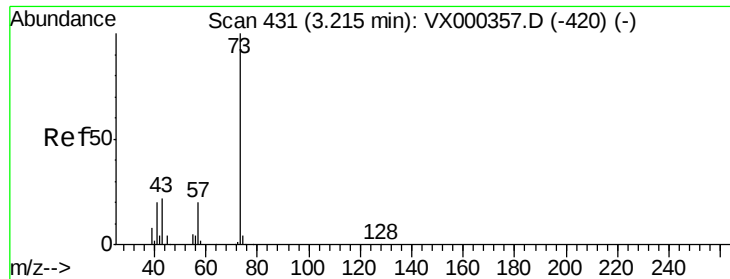
40000

20000

0

Time-->





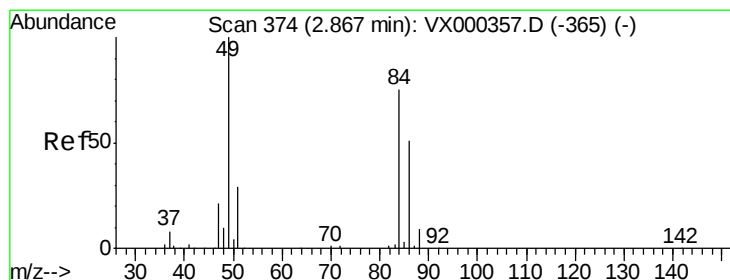
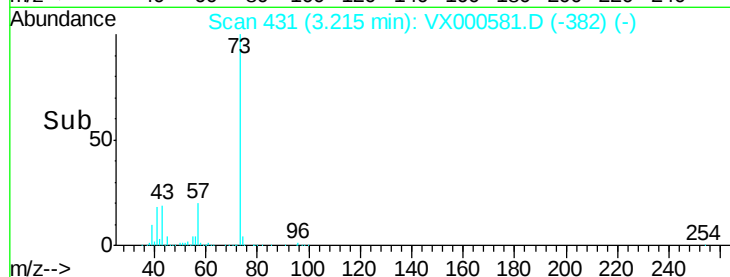
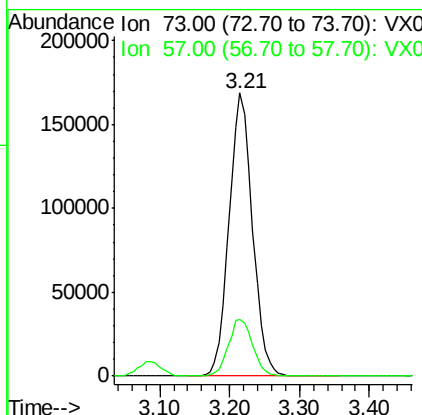
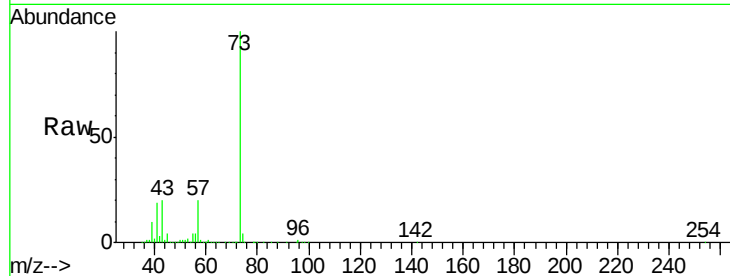
#19
Methvl tert-butvl Ether
Concen: 49.463 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 392289
Ion Ratio Lower Upper
73 100
57 20.2 17.2 25.8

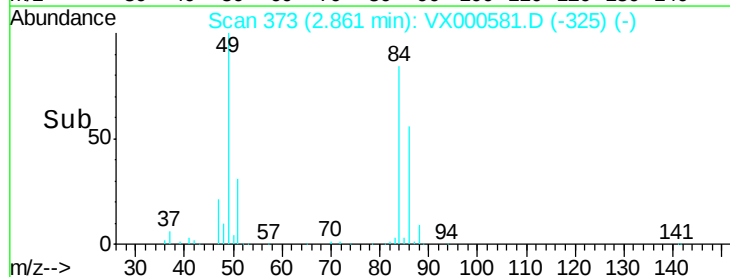
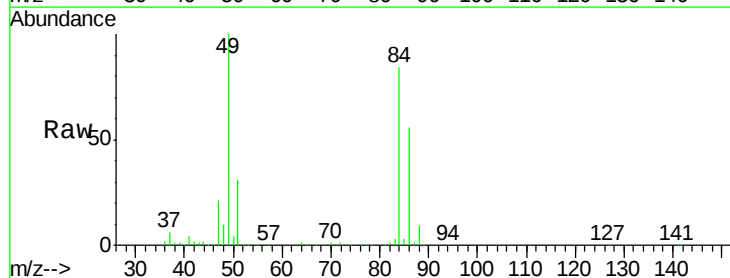
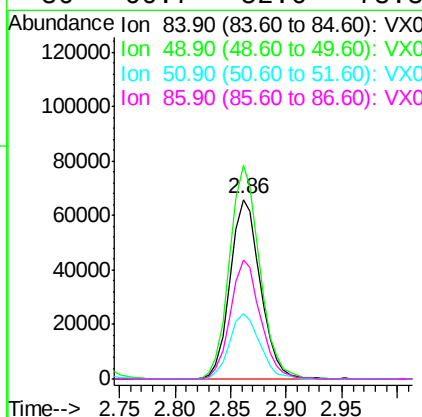
Manual Integrations
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#20
Methylene Chloride
Concen: 50.139 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion: 84 Resp: 124411
Ion Ratio Lower Upper
84 100
49 119.1 100.6 151.0
51 36.4 31.6 47.4
86 66.7 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 51.295 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 122701

Ion Ratio Lower Upper

96 100

61 120.8 104.0 156.0

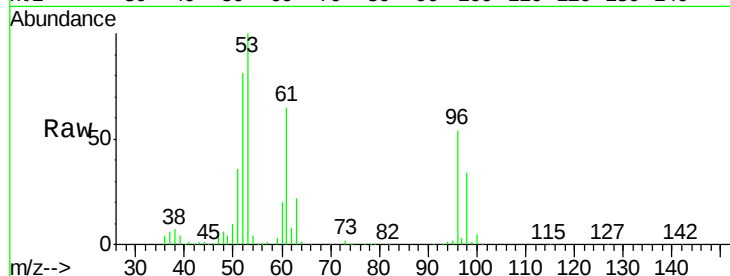
98 62.8 52.1 78.1

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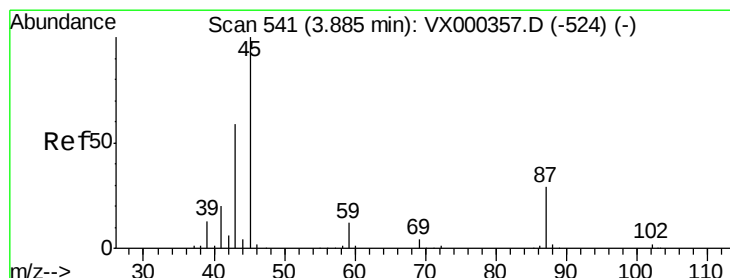
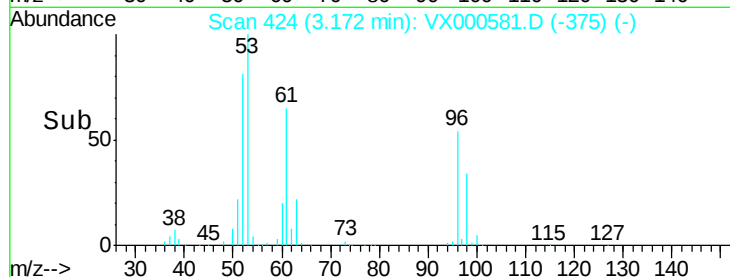
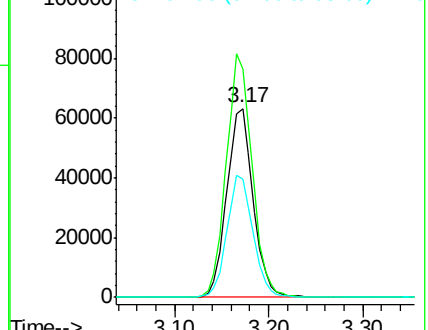
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 43.294 ug/l

RT: 3.89 min Scan# 541

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Tgt Ion: 45 Resp: 290217

Ion Ratio Lower Upper

45 100

43 60.6 53.9 80.9

87 29.7 22.6 34.0

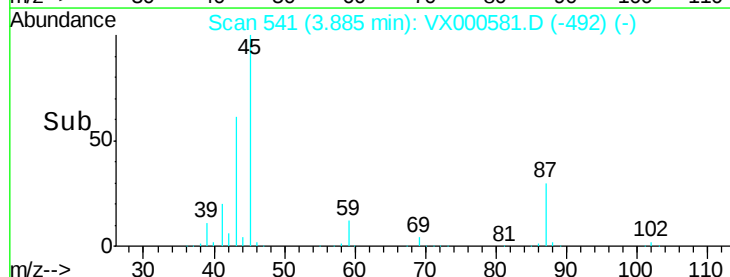
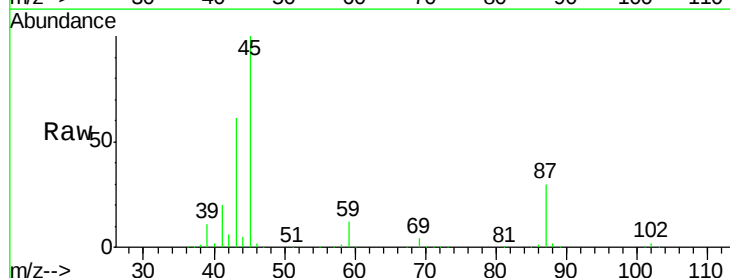
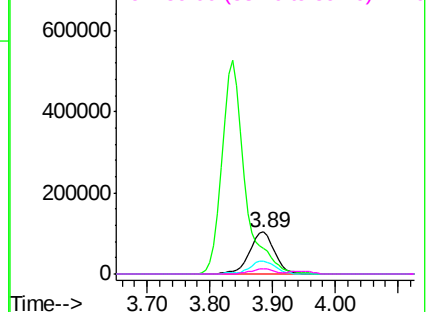
59 11.7 9.5 14.3

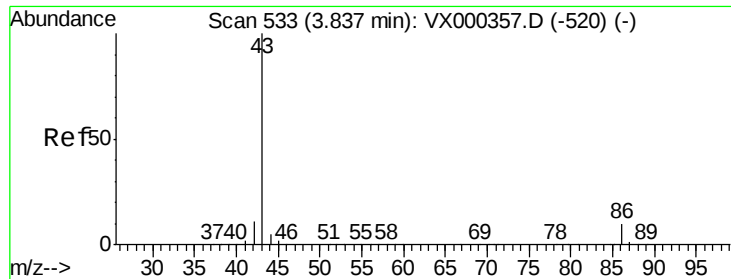
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 209.351 ug/l

RT: 3.84 min Scan# 533

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1330404

Ion Ratio Lower Upper

43 100

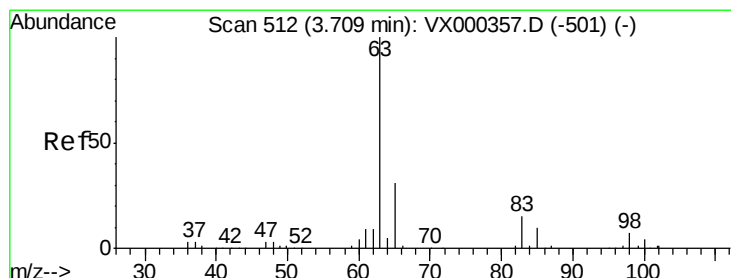
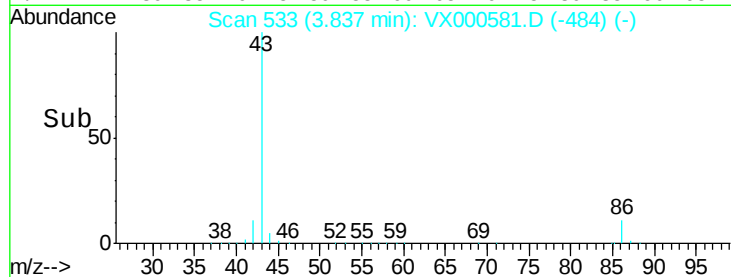
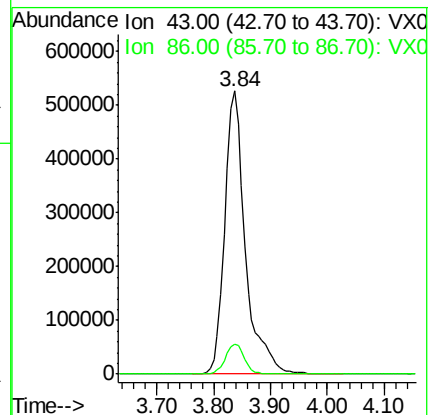
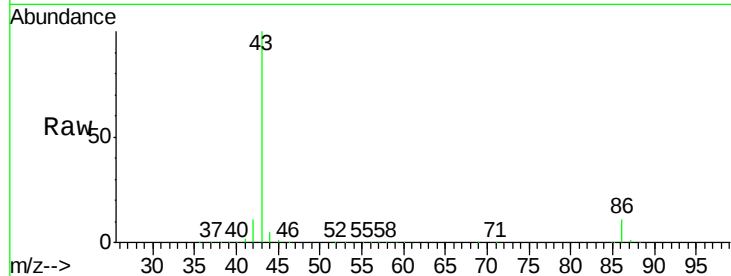
86 10.7 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 33.890 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

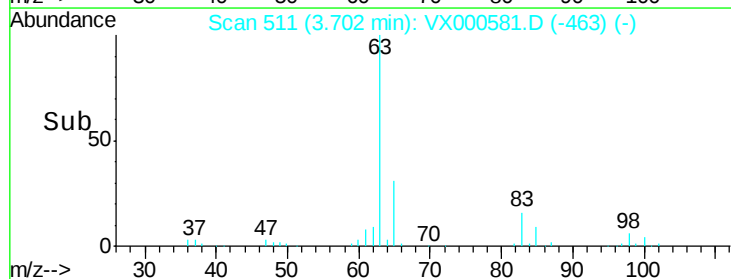
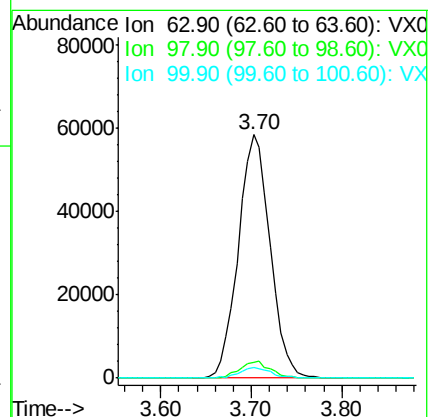
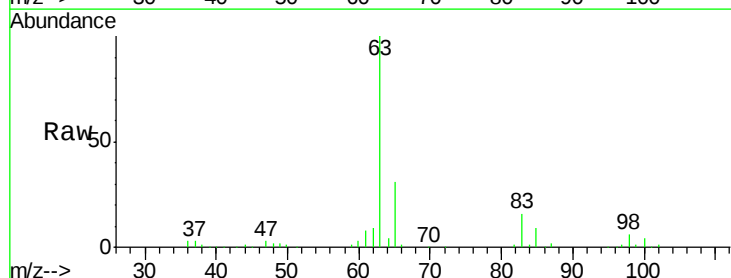
Tgt Ion: 63 Resp: 142835

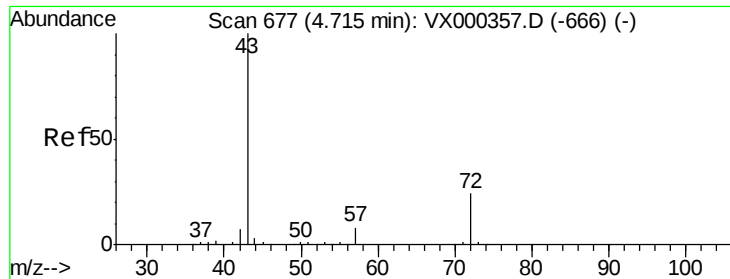
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 203.190 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 490650

Ion Ratio Lower Upper

43 100

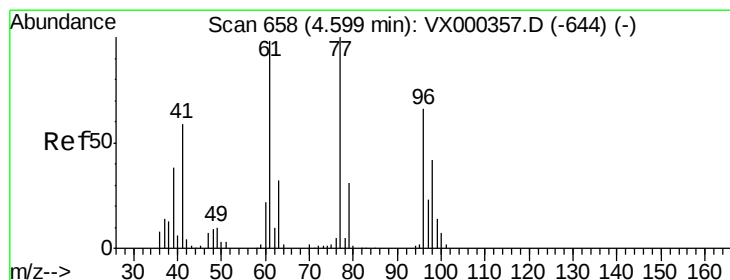
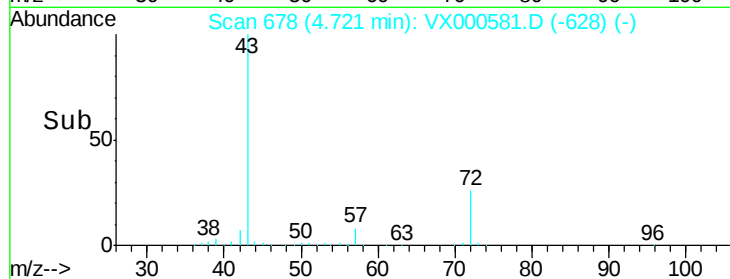
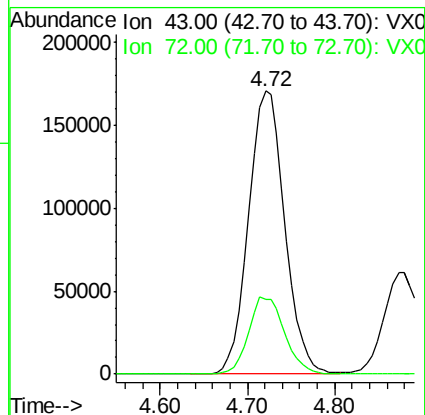
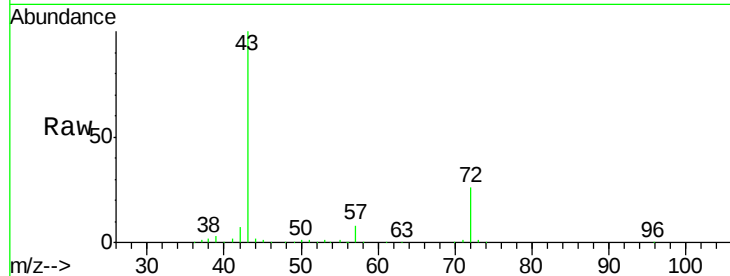
72 26.4 21.0 31.6

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#26

2,2-Dichloropropane

Concen: 41.395 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000581.D

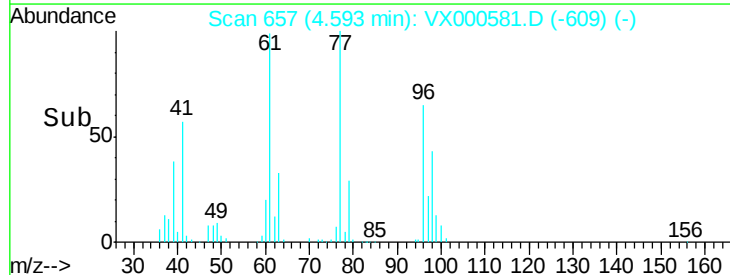
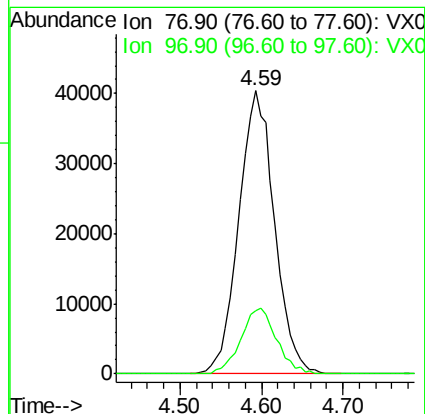
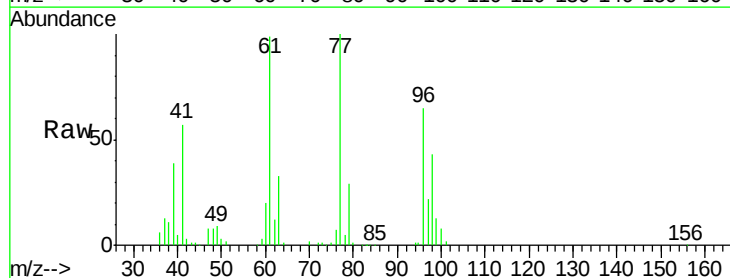
Acq: 31 Mar 2018 00:20

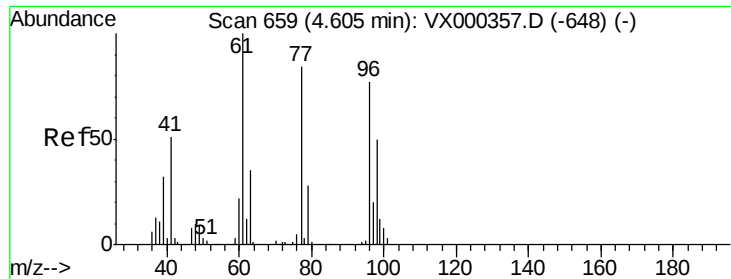
Tgt Ion: 77 Resp: 122282

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.8





#27

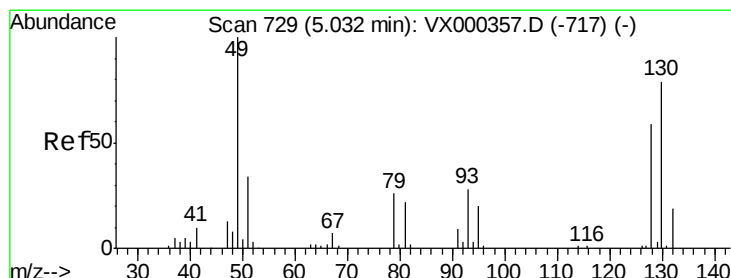
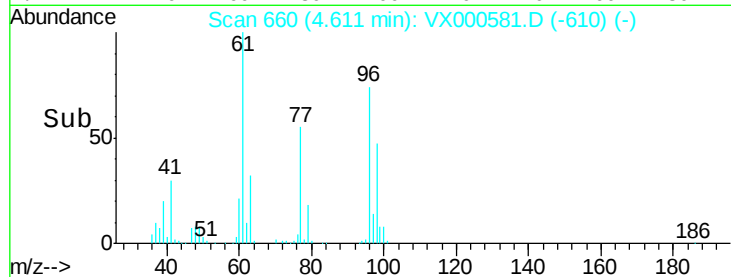
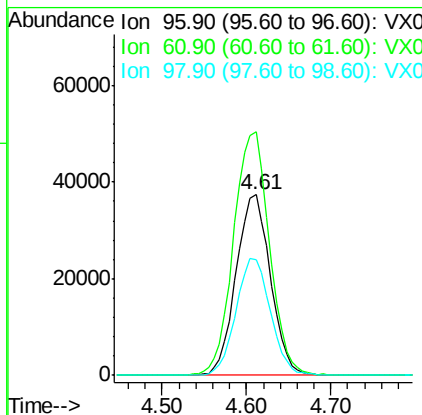
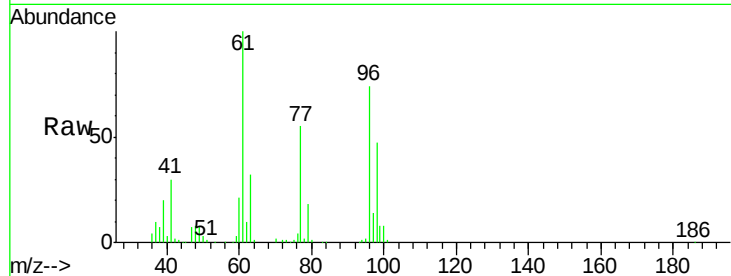
cis-1,2-Dichloroethene
 Concen: 46.147 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.0	0.0	291.6	
98	64.9	0.0	132.0	

Manual Integrations
 APPROVED

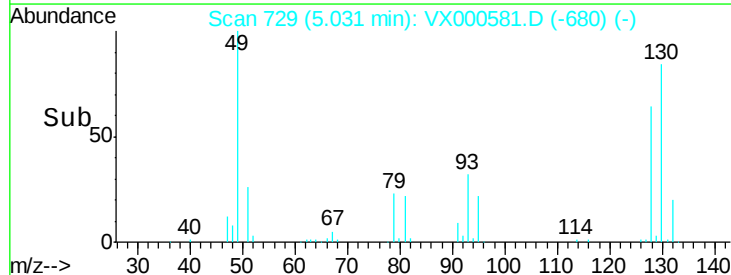
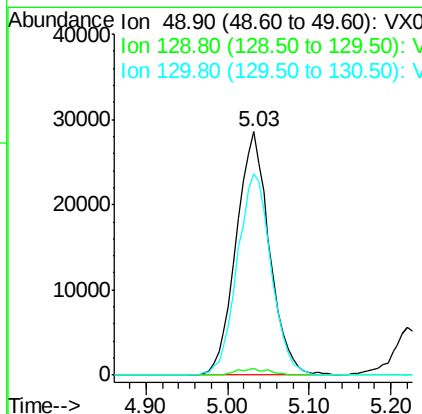
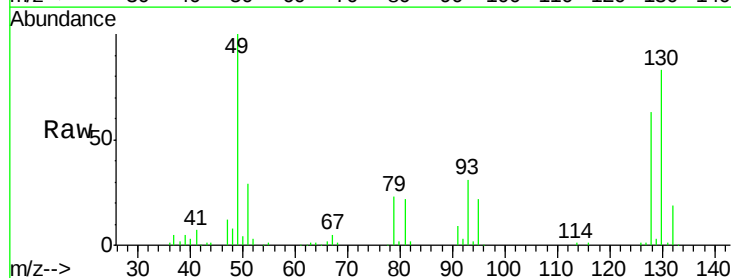
sam
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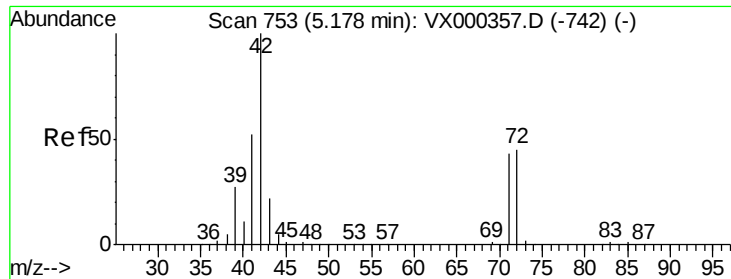


#28

Bromochloromethane
 Concen: 46.507 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	5.0	
130	84.4	64.0	96.0	





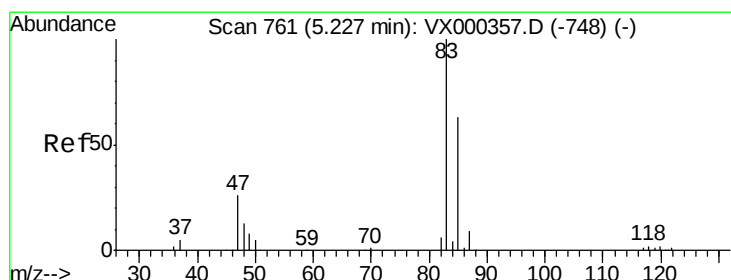
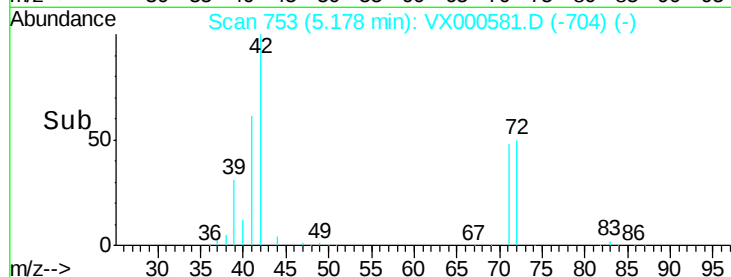
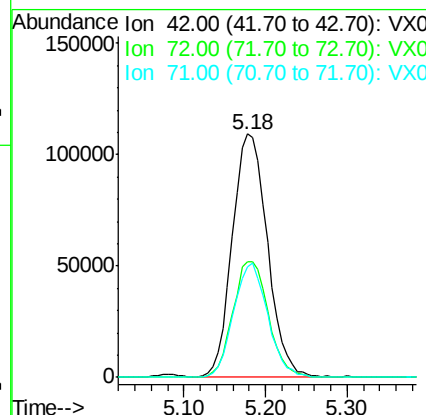
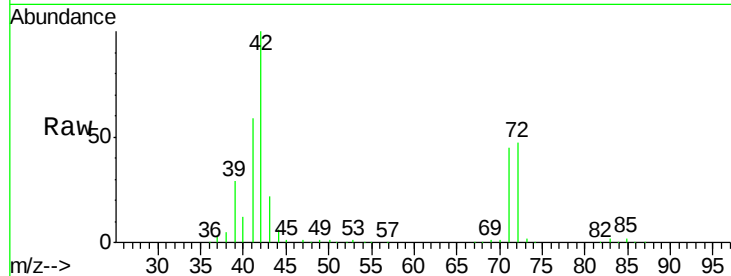
#29
Tetrahydrofuran
Concen: 218.069 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	37.9	56.9
71	46.0	34.4	51.6

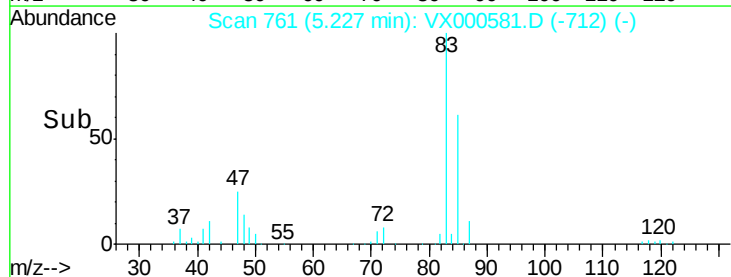
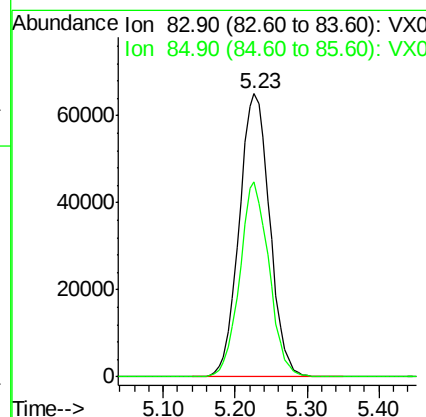
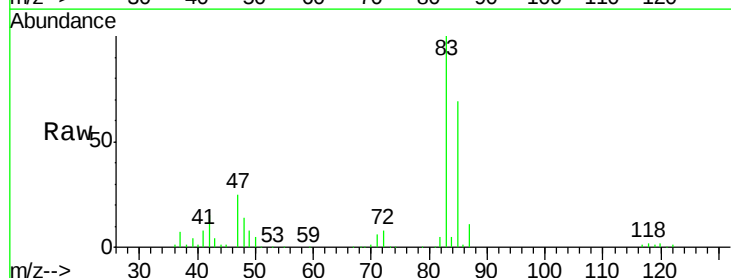
Manual Integrations
APPROVED

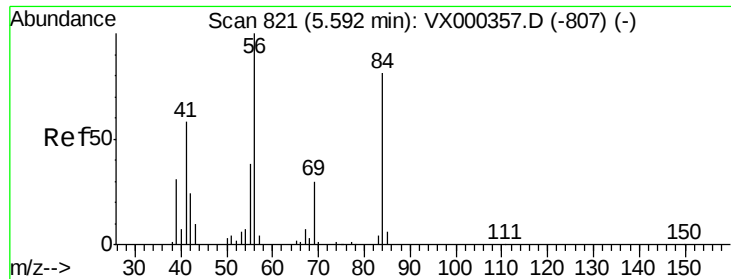
sam
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#30
Chloroform
Concen: 48.385 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.8	53.3	79.9





#31

Cyclohexane

Concen: 46.221 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.01 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

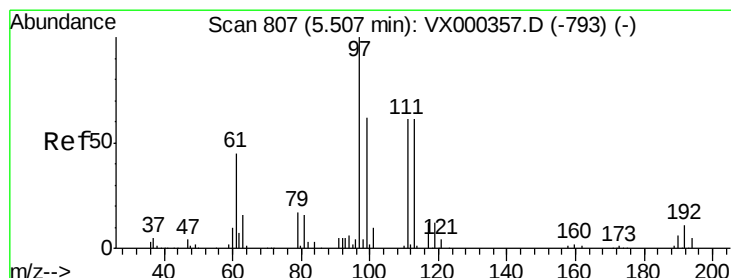
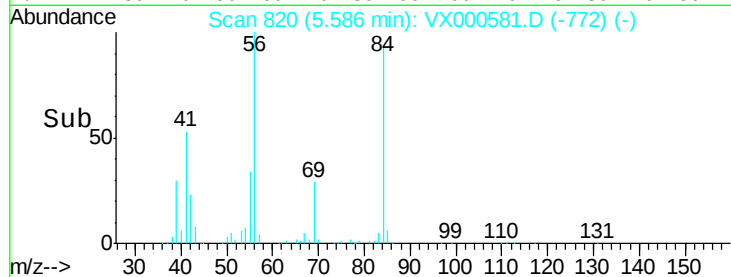
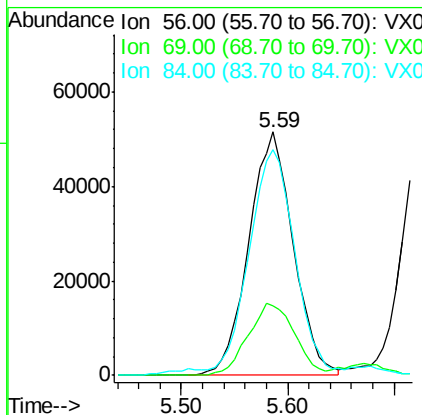
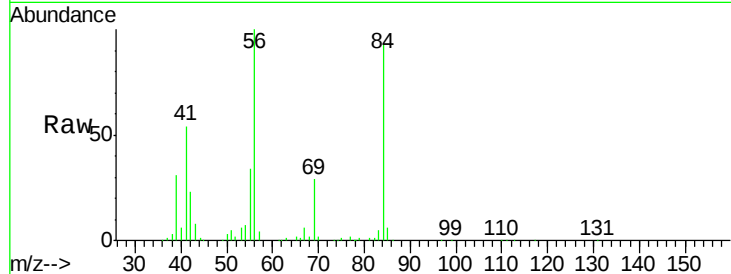
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	150595
Ion Ratio	Lower	Upper	
56	100		
69	28.8	23.4	35.0
84	89.8	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.425 ug/l

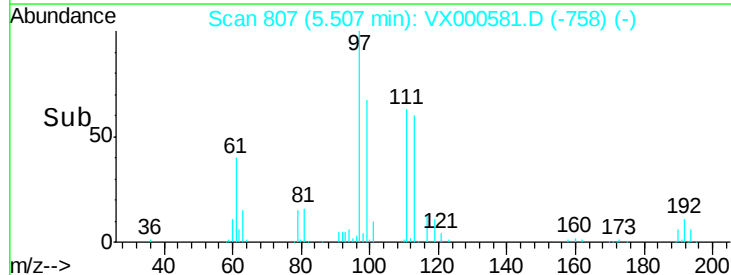
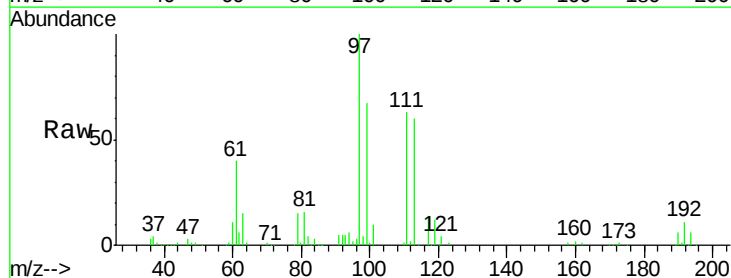
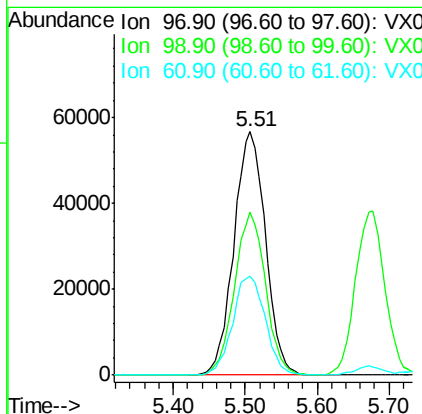
RT: 5.51 min Scan# 807

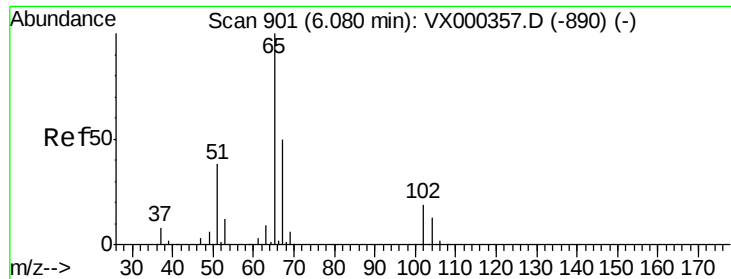
Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Tgt Ion:	97	Resp:	172556
Ion Ratio	Lower	Upper	
97	100		
99	65.7	52.1	78.1
61	42.2	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 49.155 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 126943

Ion Ratio Lower Upper

65 100

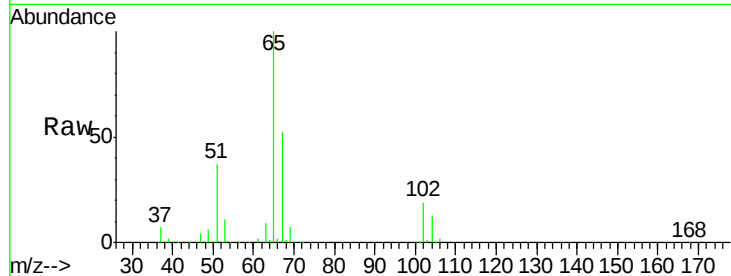
67 51.3 0.0 103.2

Manual Integrations

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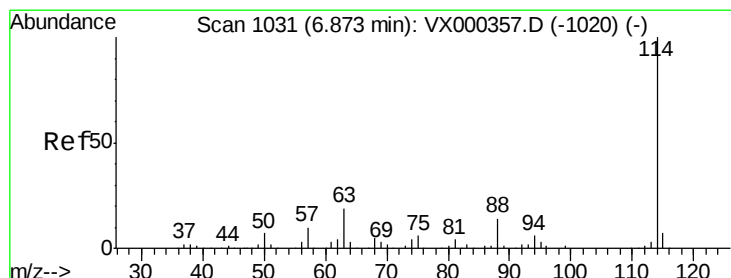
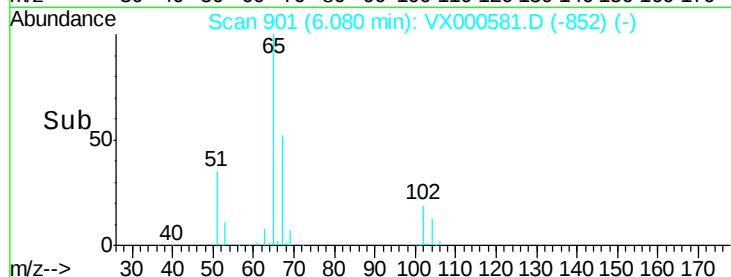
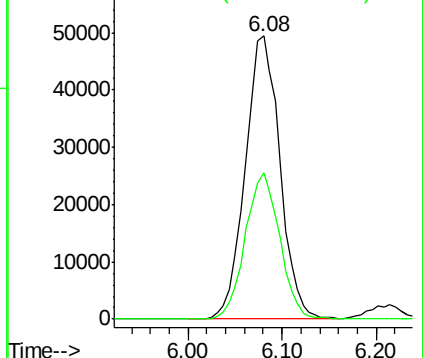
sam

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

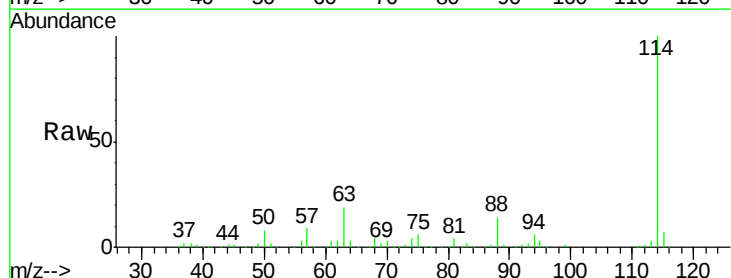
Tgt Ion: 114 Resp: 335681

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

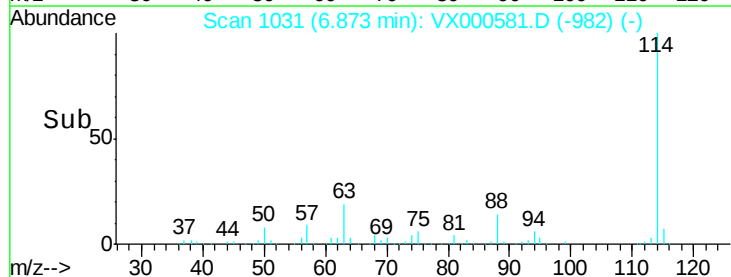
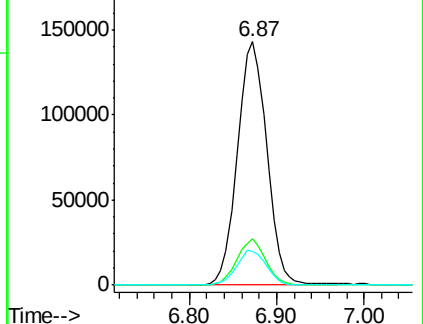
88 14.0 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.774 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

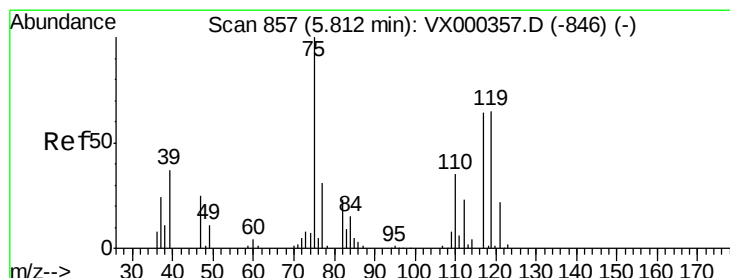
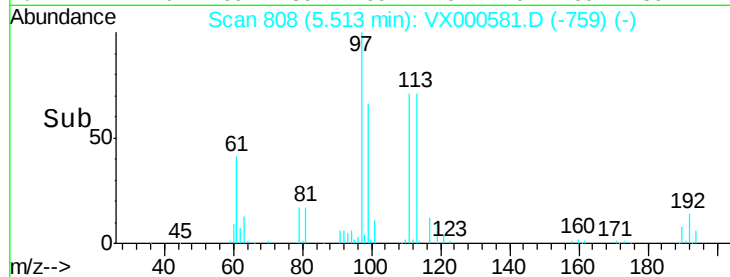
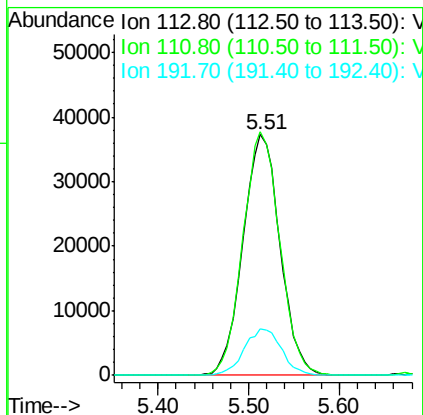
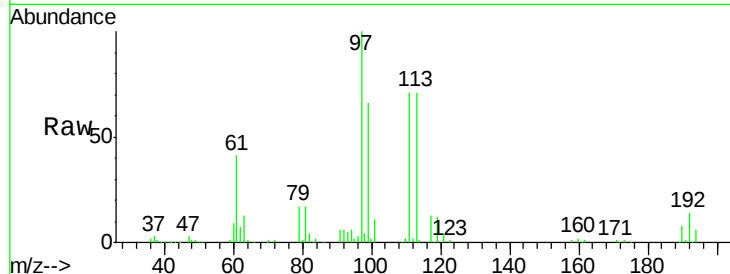
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	105277
Ion Ratio	Lower	Upper	
113	100		
111	100.9	82.4	123.6
192	19.3	15.8	23.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.452 ug/l

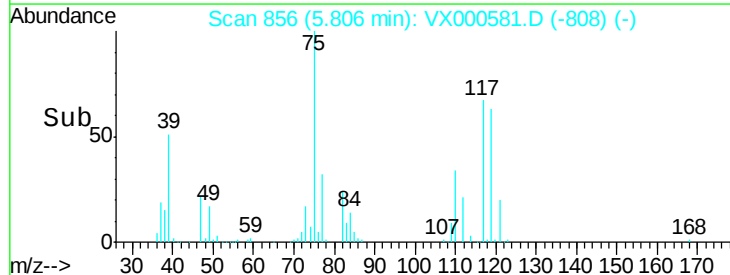
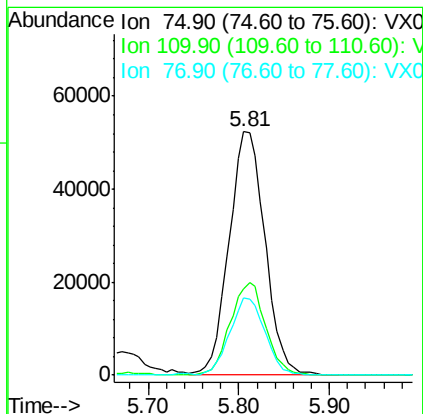
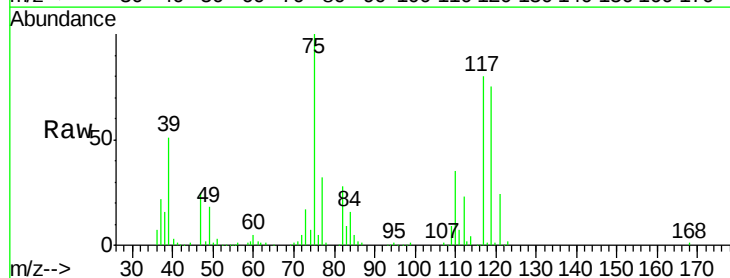
RT: 5.81 min Scan# 856

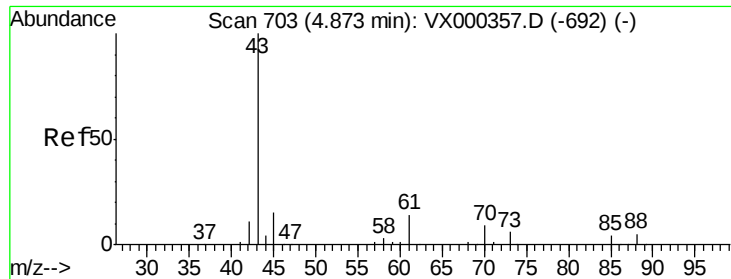
Delta R.T. -0.01 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Tgt Ion:	75	Resp:	142917
Ion Ratio	Lower	Upper	
75	100		
110	37.7	17.9	53.7
77	31.6	24.0	36.0





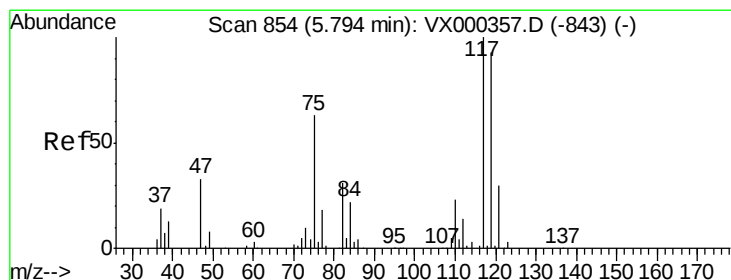
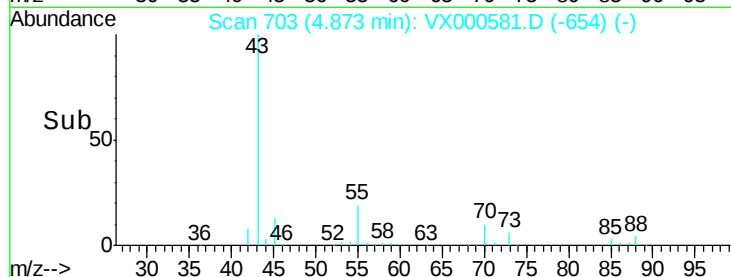
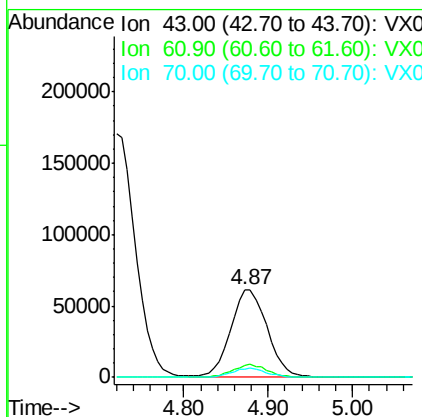
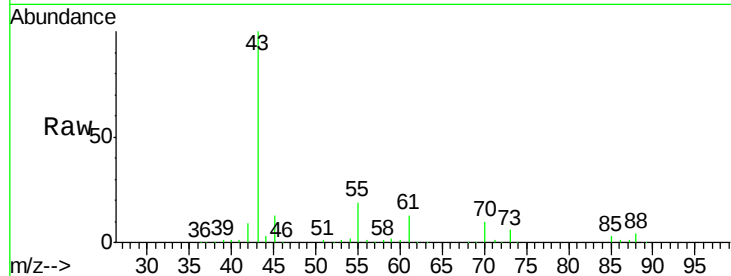
#37
Ethyl Acetate
Concen: 41.794 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	9.9	7.7	11.5

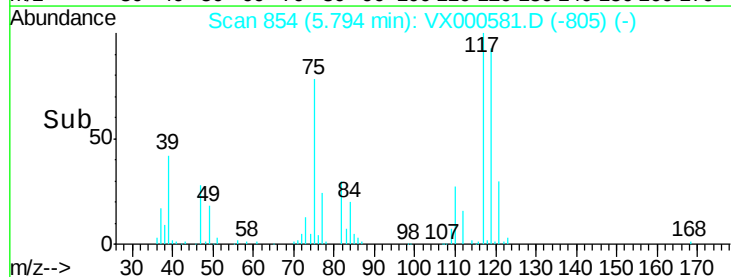
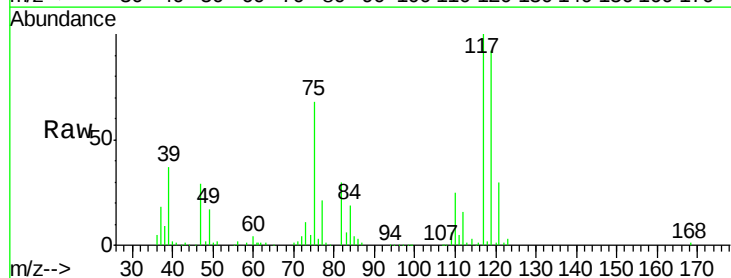
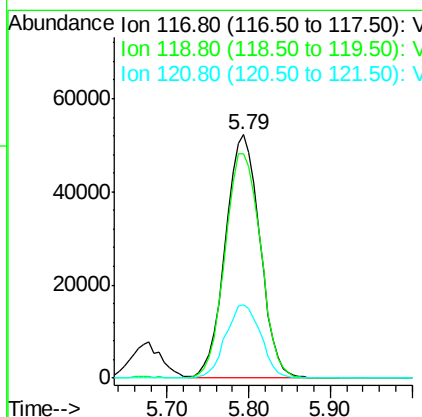
Manual Integrations
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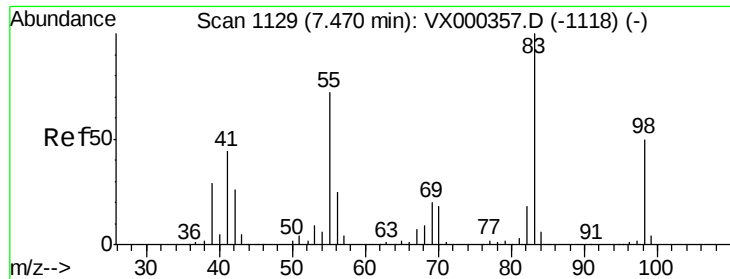
sam
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#38
Carbon Tetrachloride
Concen: 46.352 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	77.4	116.2
121	30.4	24.8	37.2





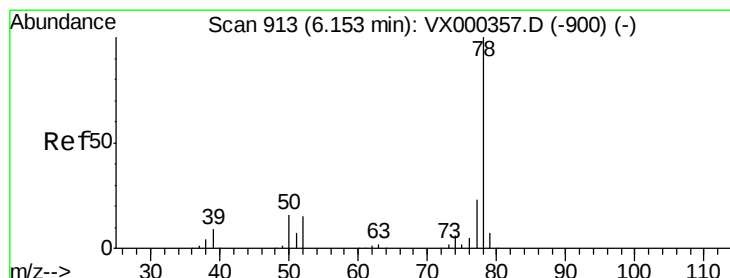
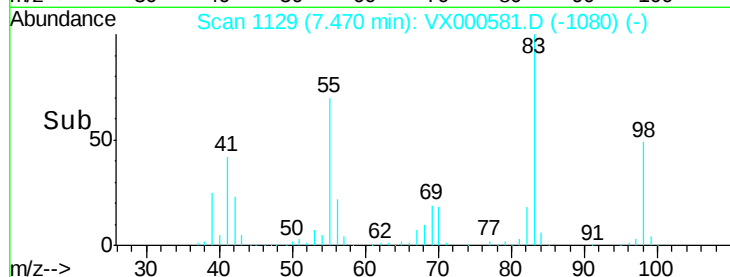
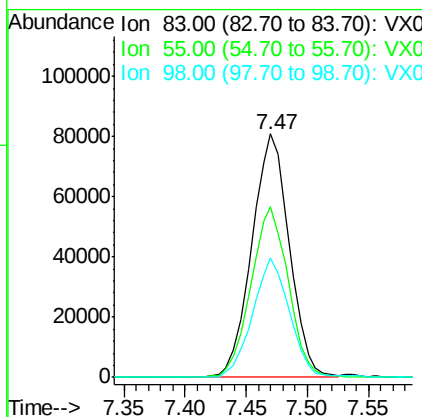
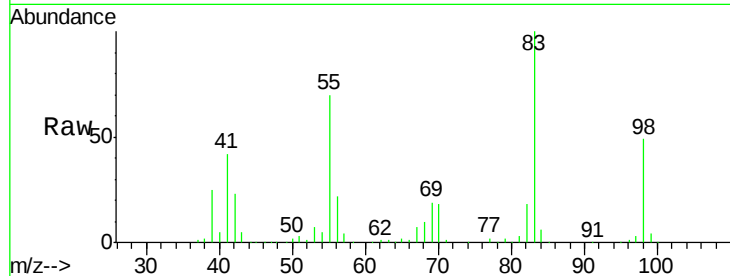
#39
Methvlcvclohexane
Concen: 45.012 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.9	55.5	83.3
98	49.1	38.2	57.4

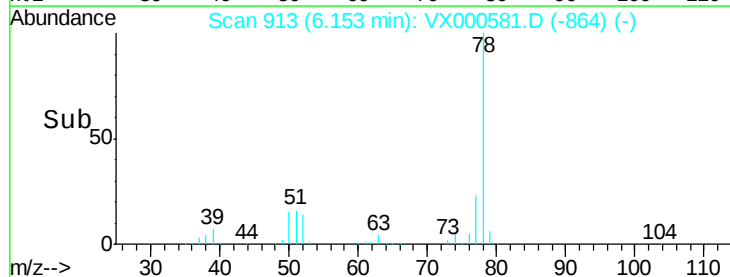
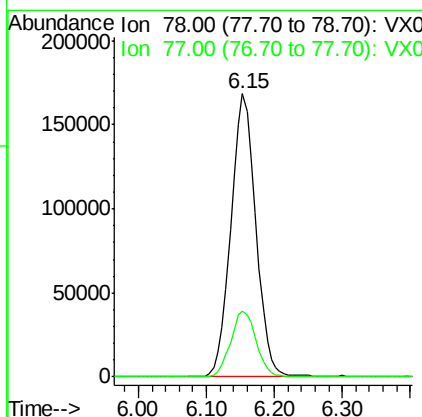
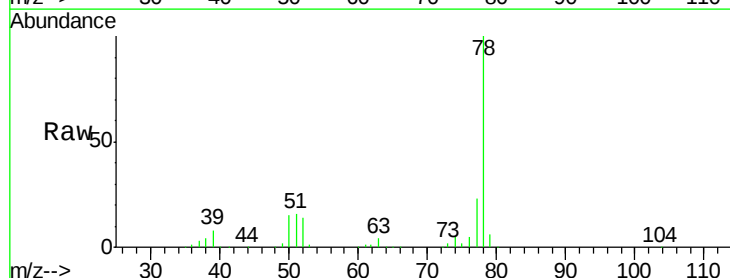
Manual Integrations
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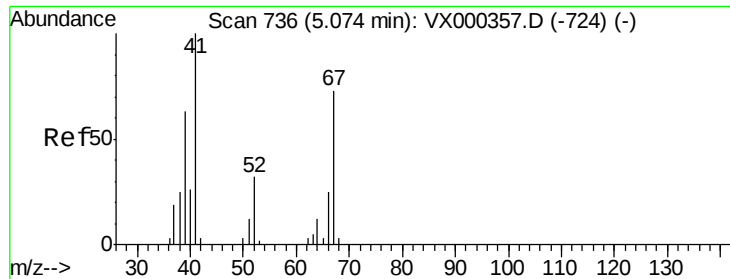
sam
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#40
Benzene
Concen: 46.943 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1





#41

Methacrylonitrile

Concen: 41.338 ug/l

RT: 5.07 min Scan# 736

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

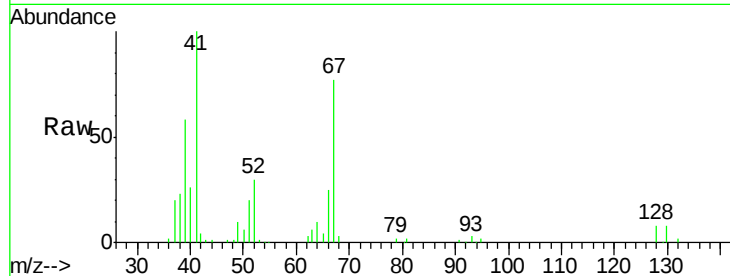
ClientSampled :

VSTDCCC050EC

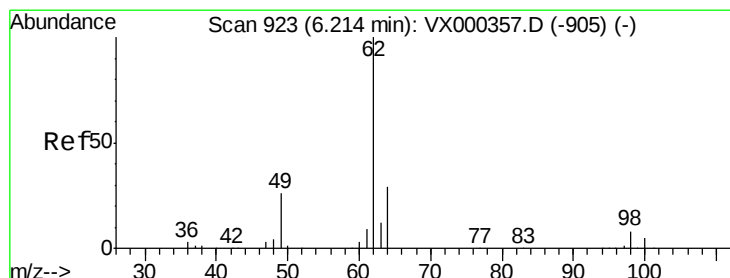
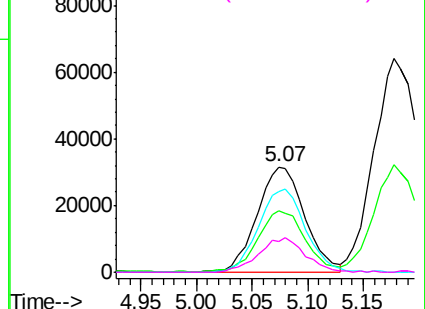
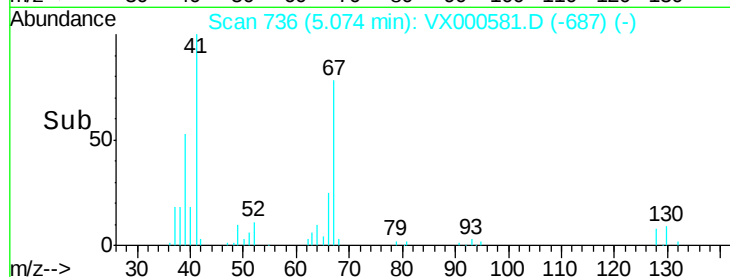
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.7	45.7	68.5	
67	78.3	57.8	86.8	
52	32.6	26.7	40.1	

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 44.397 ug/l

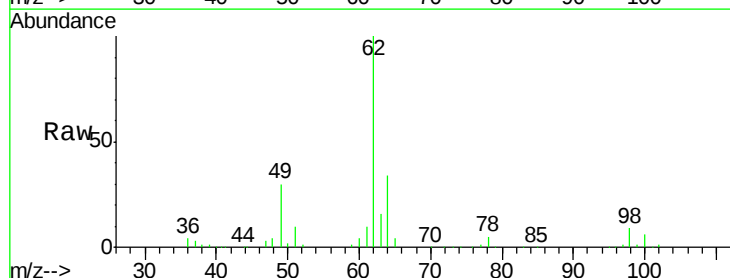
RT: 6.21 min Scan# 922

Delta R.T. -0.01 min

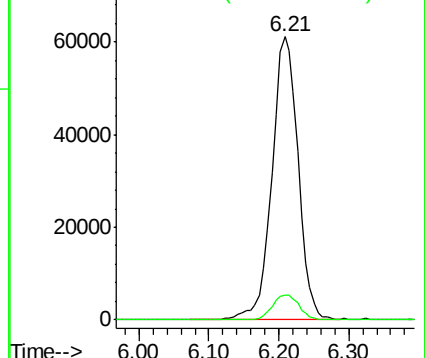
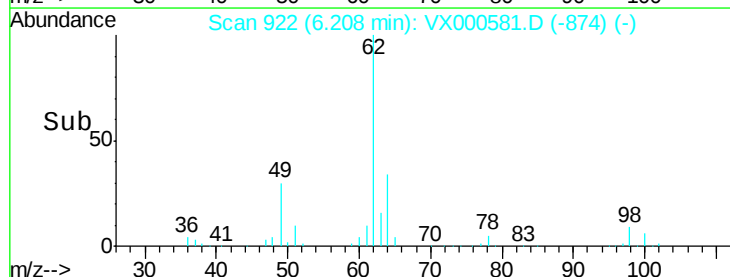
Lab File: VX000581.D

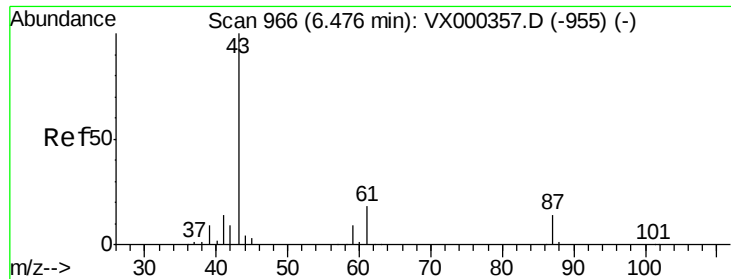
Acq: 31 Mar 2018 00:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	15.8	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

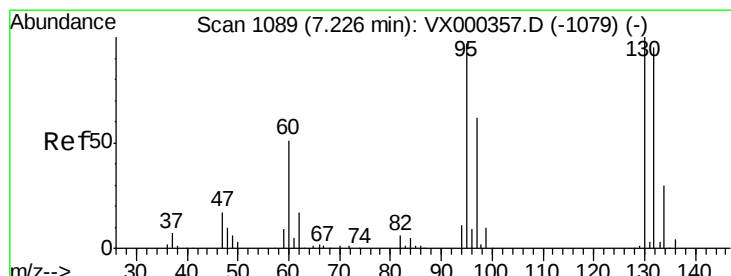
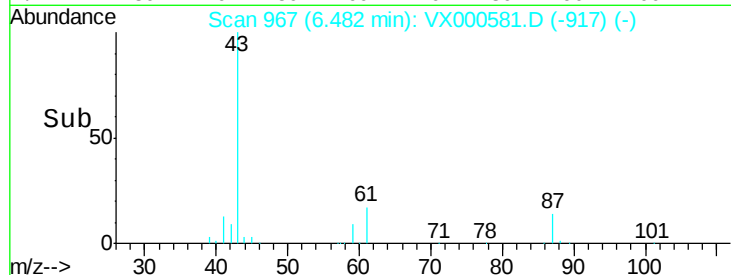
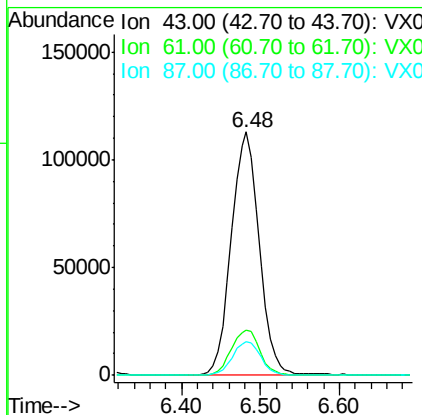
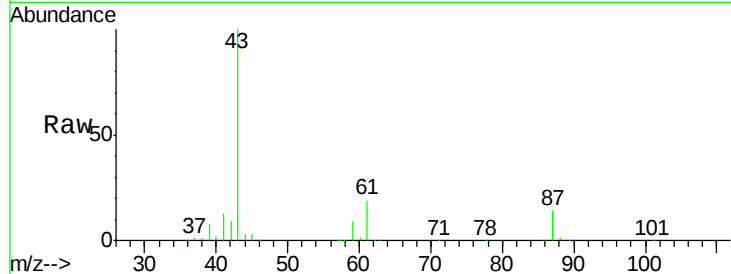
Isopropyl Acetate
 Concen: 43.544 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.4	21.6
87	14.2	11.0	16.4

Manual Integrations
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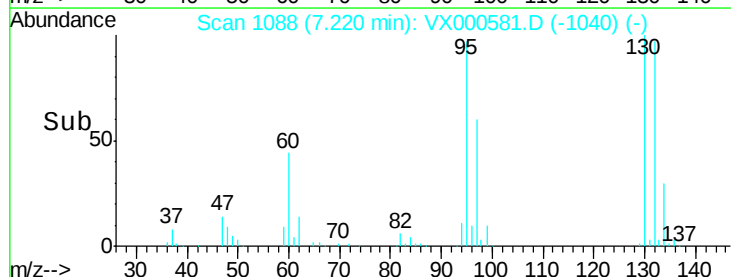
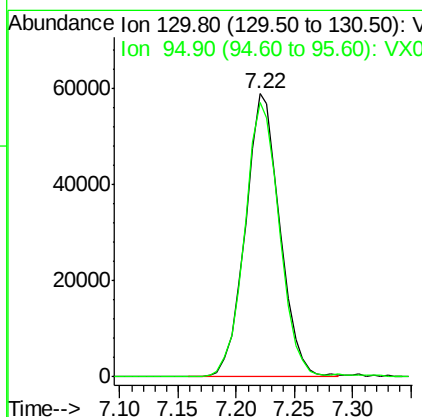
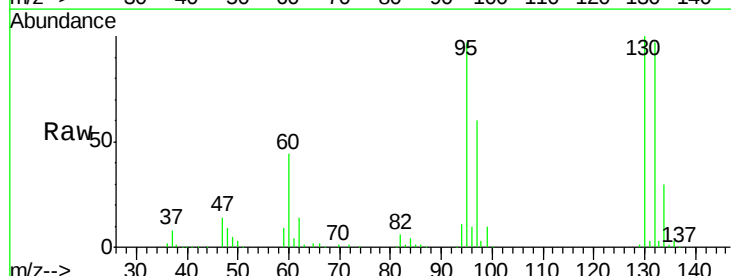
Sam
 4/4/2018 10:29:40 AM

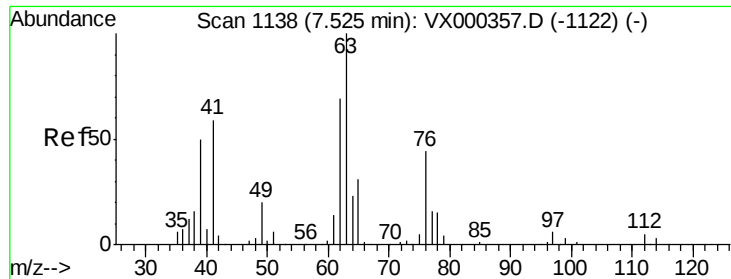


#44

Trichloroethene
 Concen: 46.290 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	186.0





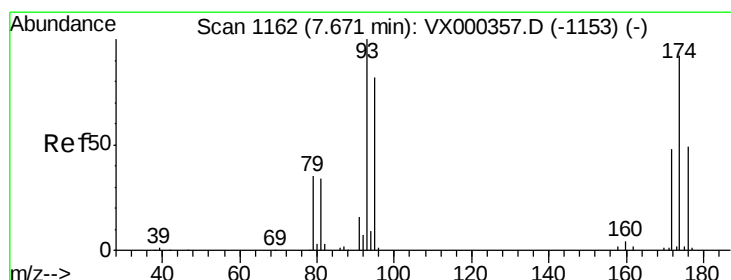
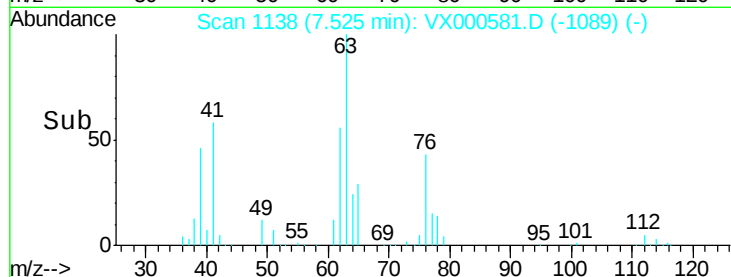
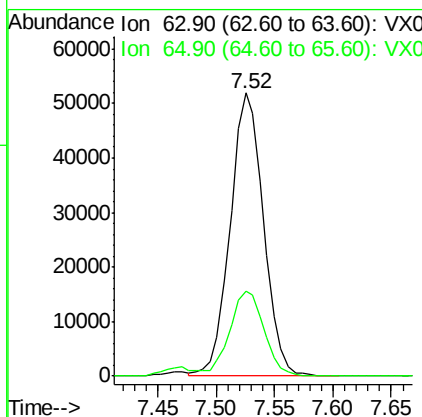
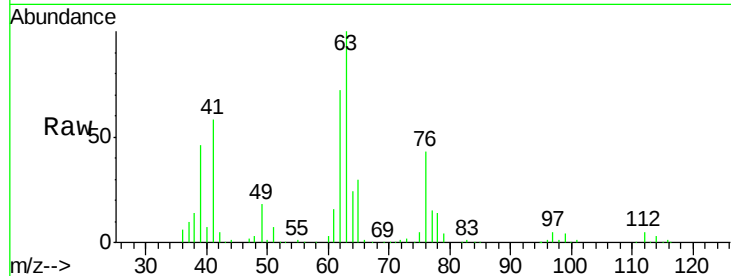
#45
 1,2-Dichloropropane
 Concen: 44.226 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 103370
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 36.8

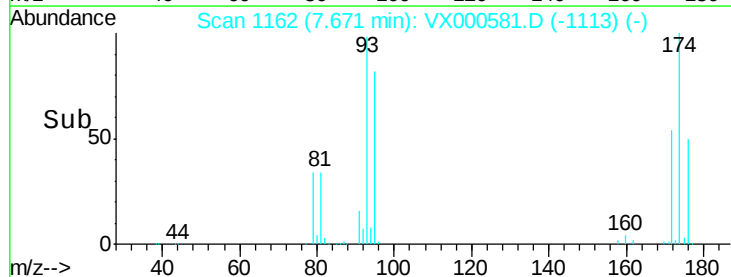
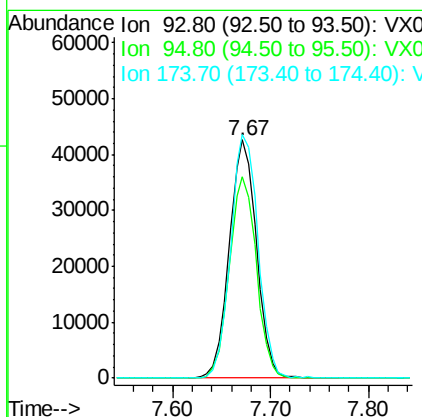
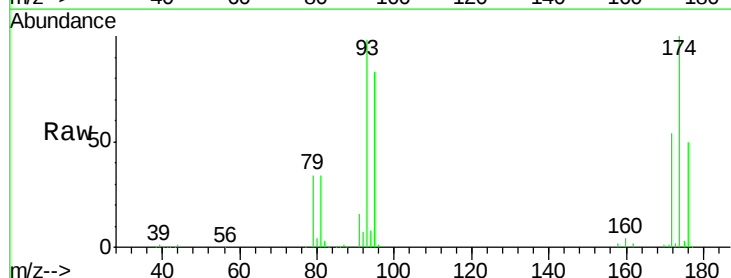
Manual Integrations
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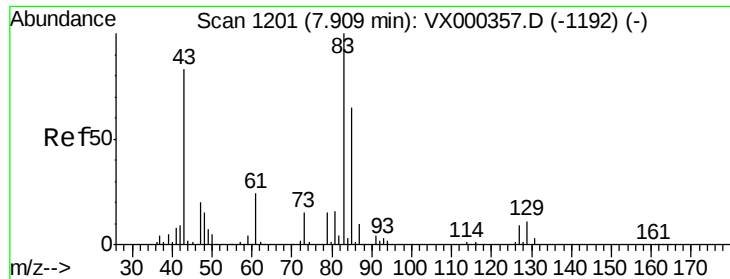
sam
 4/4/2018 10:29:40 AM



#46
 Dibromomethane
 Concen: 44.694 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Tgt Ion: 93 Resp: 81996
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.5 99.7
 174 103.1 76.0 114.0





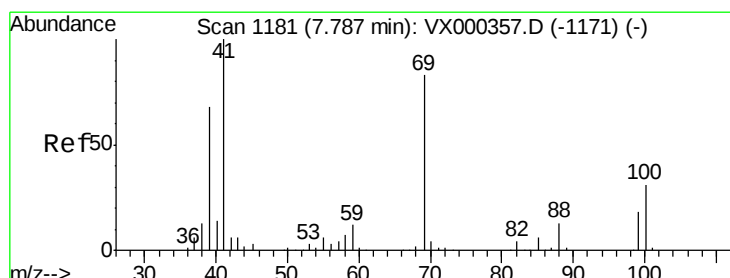
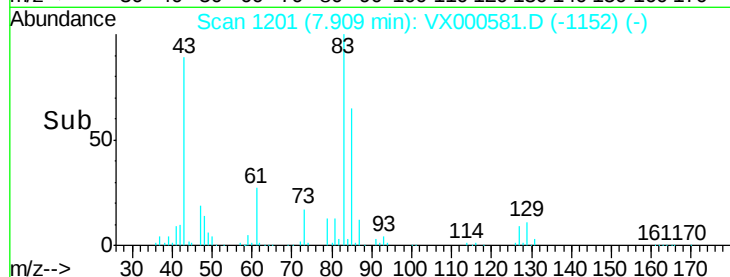
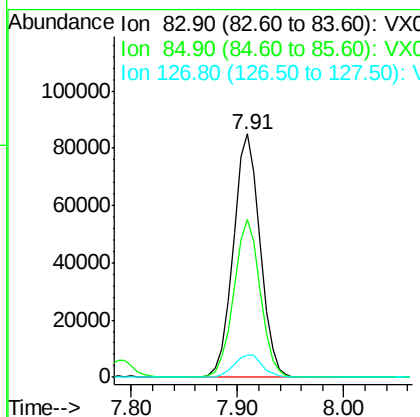
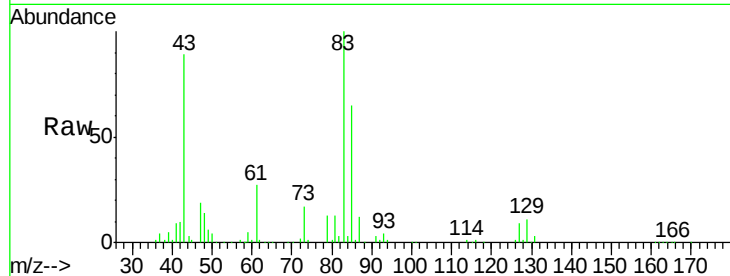
#47
 Bromodichloromethane
 Concen: 46.438 ug/l
 RT: 7.91 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	149896		
85	65.0		51.4	77.0
127	9.2		7.0	10.6

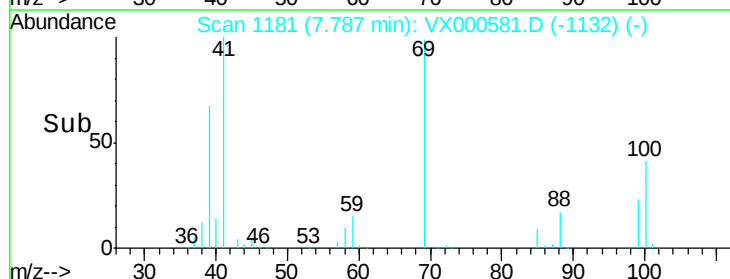
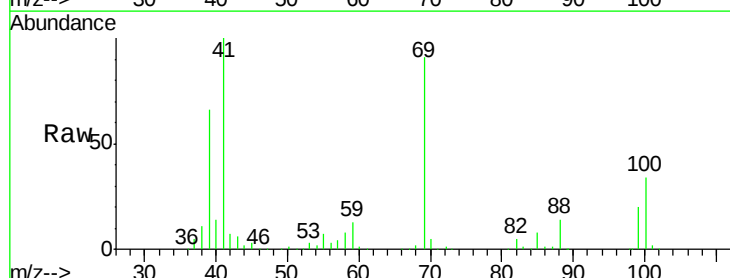
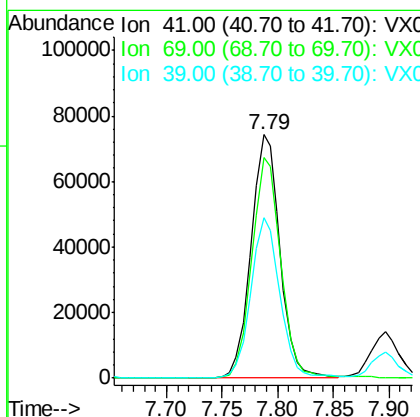
Manual Integrations
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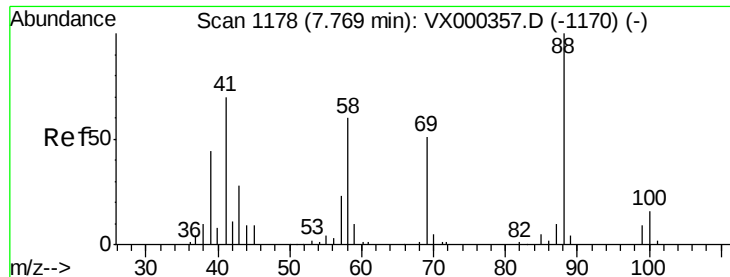
sam
 4/4/2018 10:29:40 AM



#48
 Methyl methacrylate
 Concen: 43.382 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	134655		
69	91.3		68.2	102.4
39	65.2		54.6	81.8





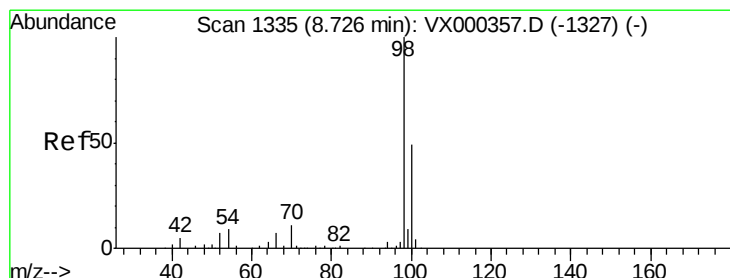
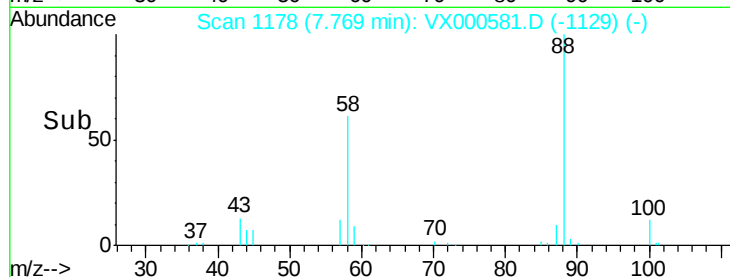
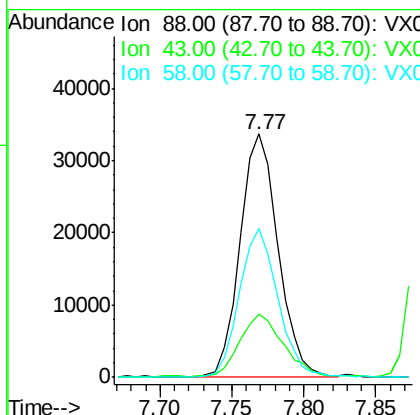
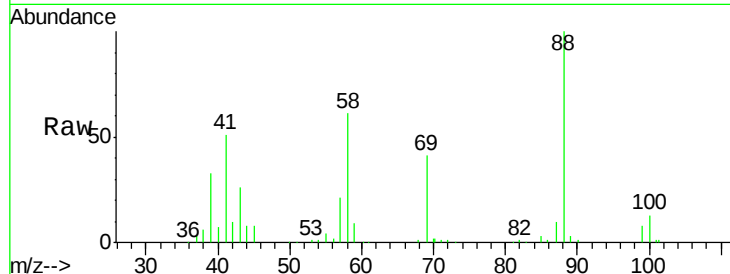
#49
 1,4-Dioxane
 Concen: 945.816 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	26.8	40.2
58	61.9	52.2	78.2

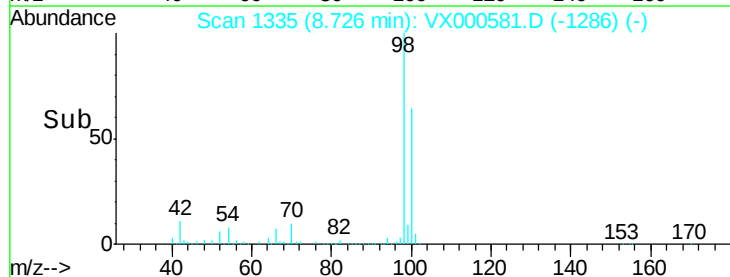
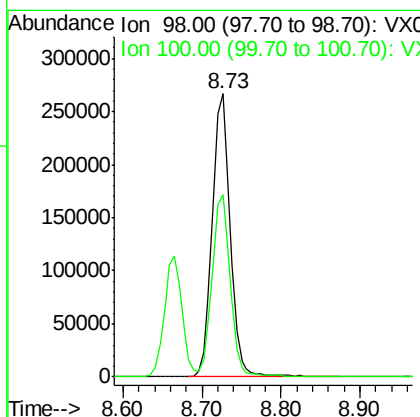
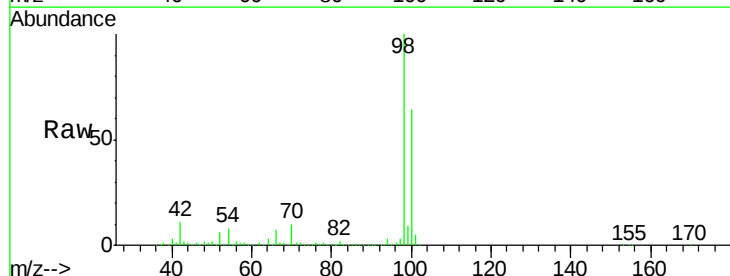
Manual Integrations
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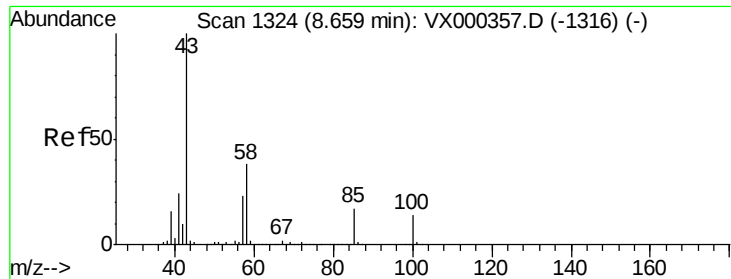
sam
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#50
 Toluene-d8
 Concen: 48.505 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 207.298 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1025871

Ion Ratio Lower Upper

43 100

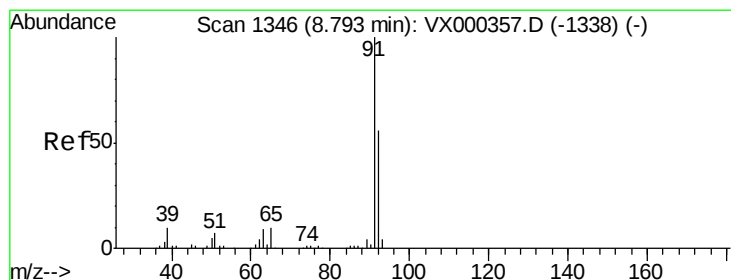
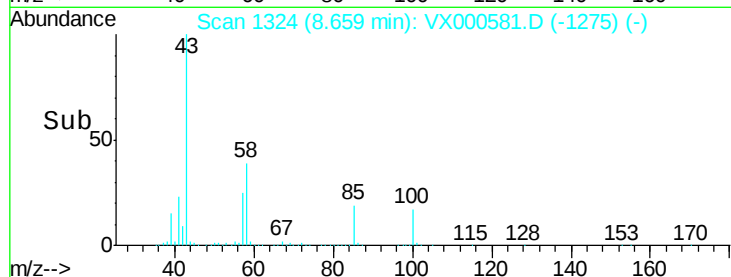
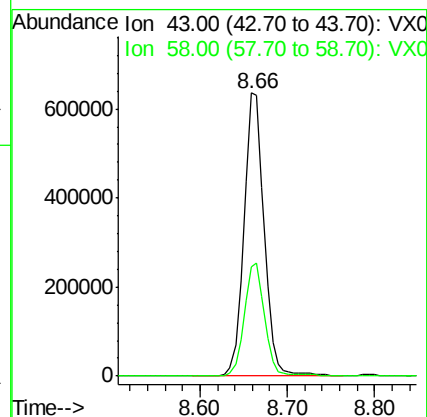
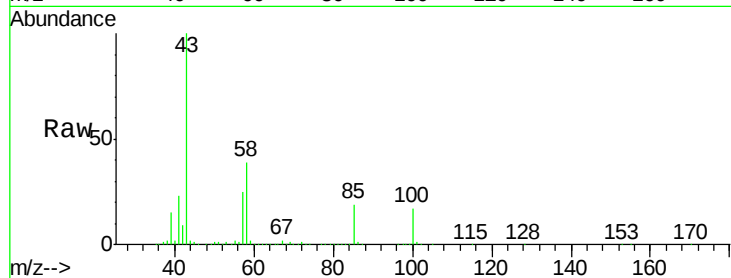
58 40.3 30.3 45.5

Manual Integrations

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#52

Toluene

Concen: 46.796 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000581.D

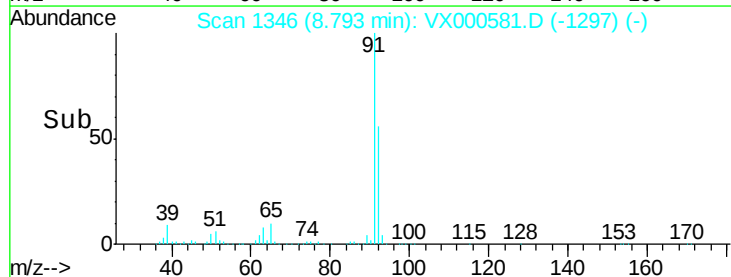
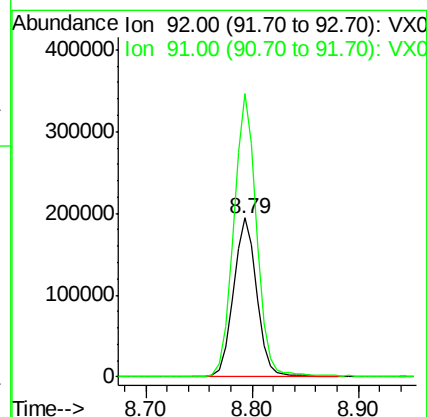
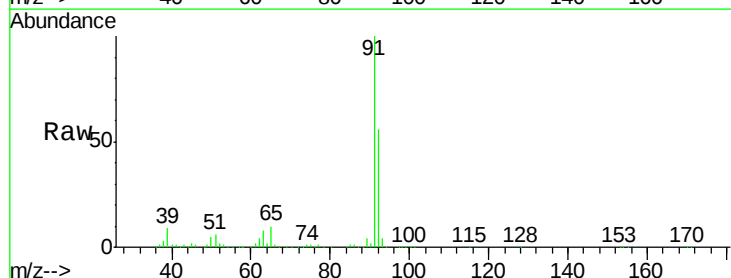
Acq: 31 Mar 2018 00:20

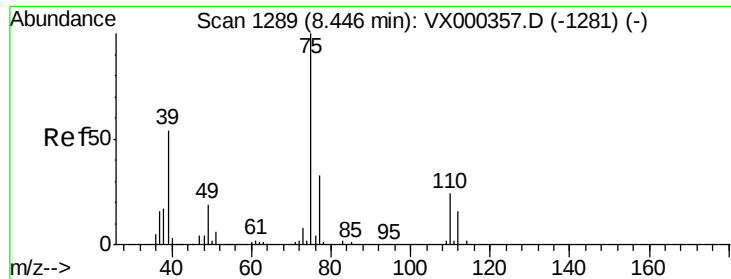
Tgt Ion: 92 Resp: 298730

Ion Ratio Lower Upper

92 100

91 176.2 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 46.692 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 174647

Ion Ratio Lower Upper

75 100

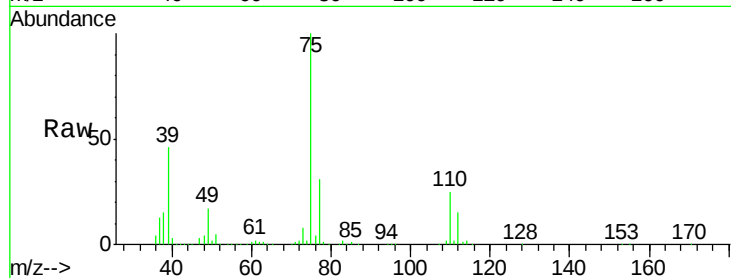
77 31.0 24.0 36.0

Manual Integrations

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sam

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

120000

100000

80000

60000

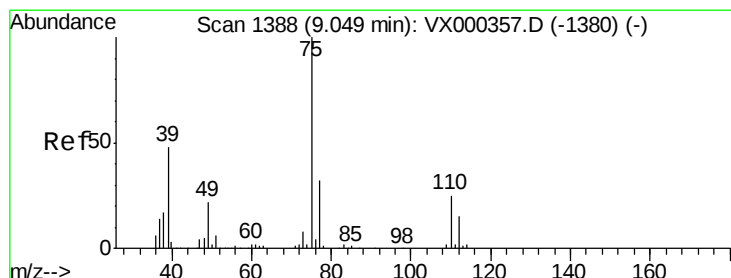
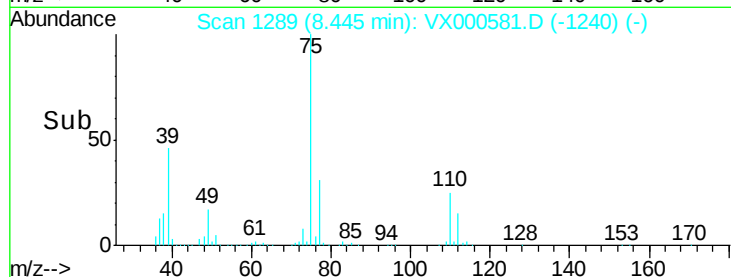
40000

20000

0

8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.382 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

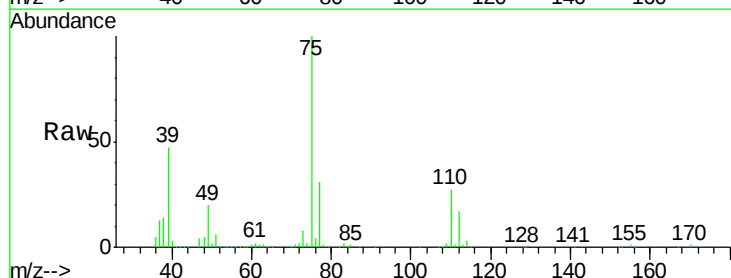
Tgt Ion: 75 Resp: 171911

Ion Ratio Lower Upper

75 100

77 30.8 26.1 39.1

39 46.6 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

150000

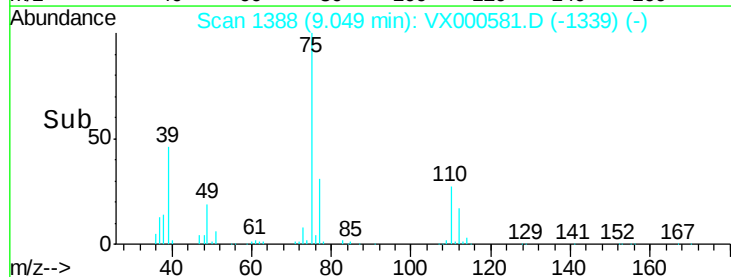
100000

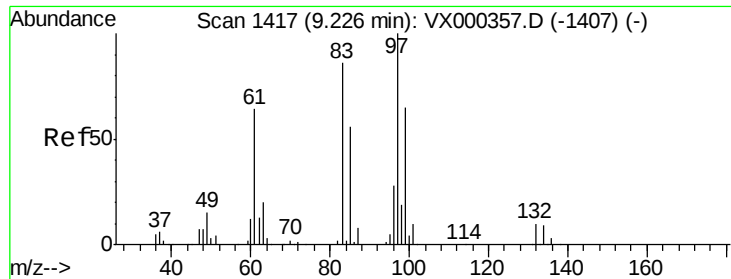
50000

0

8.95 9.00 9.05 9.10 9.15

Time-->





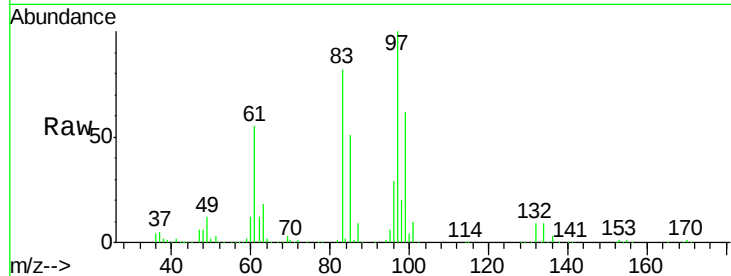
#55
 1,1,2-Trichloroethane
 Concen: 47.168 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

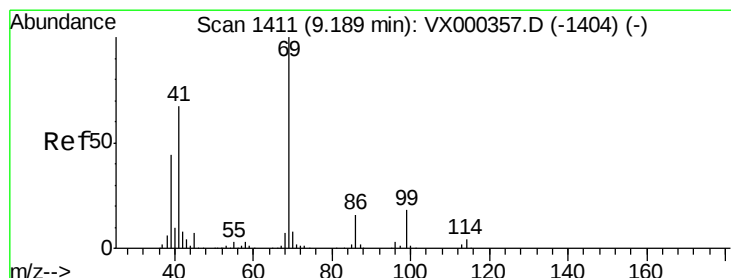
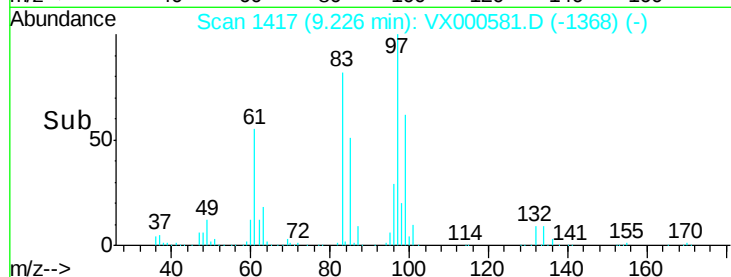
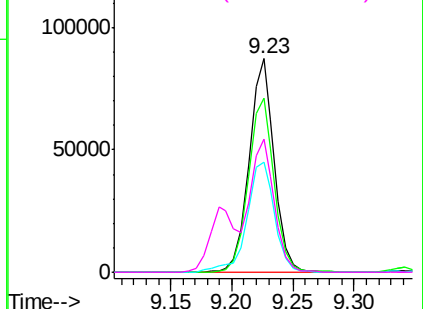
Tot Ion:	97	Resp:	123823
Ion	Ratio	Lower	Upper
97	100		
83	81.5	67.9	101.9
85	51.2	42.8	64.2
99	62.1	49.4	74.2

Manual Integrations
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sam
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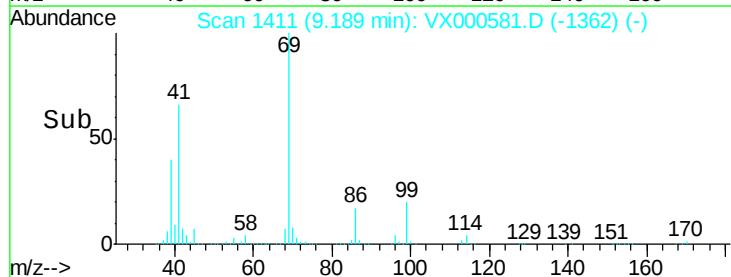
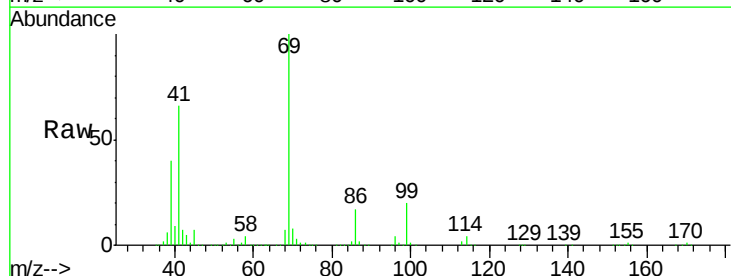
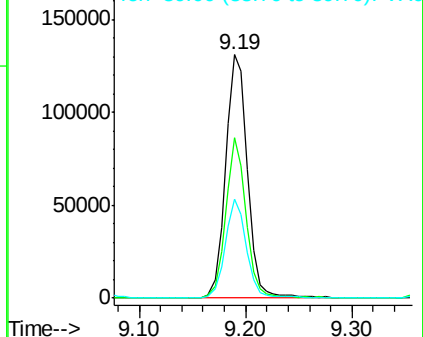
Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

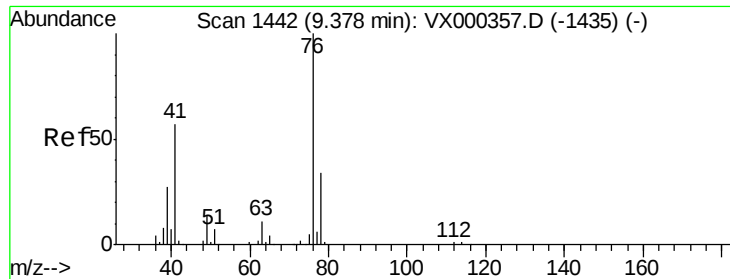


#56
 Ethyl methacrylate
 Concen: 47.091 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Tgt Ion:	69	Resp:	187326
Ion	Ratio	Lower	Upper
69	100		
41	60.5	53.0	79.6
39	38.8	35.3	52.9

Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





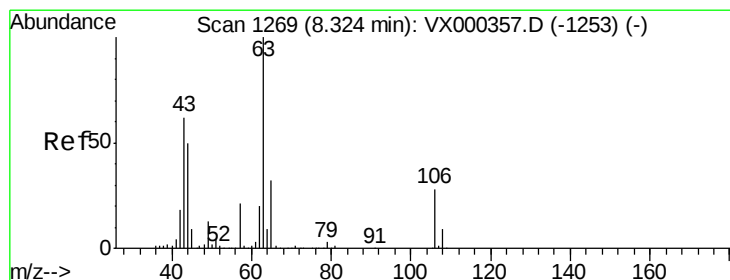
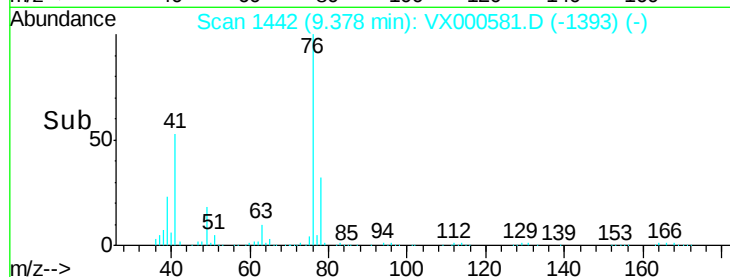
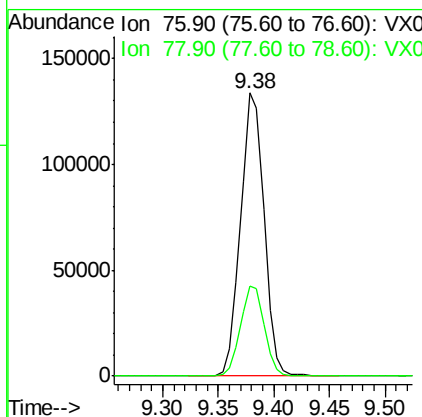
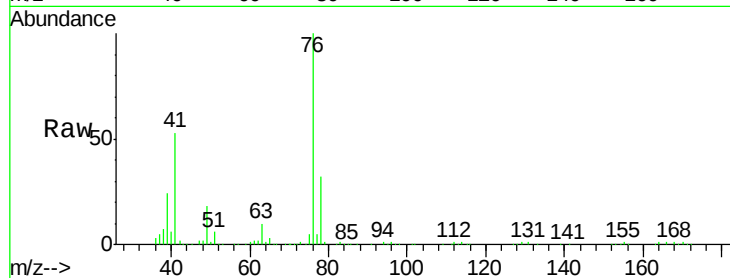
#57
 1,3-Dichloropropane
 Concen: 46.820 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.4	39.6

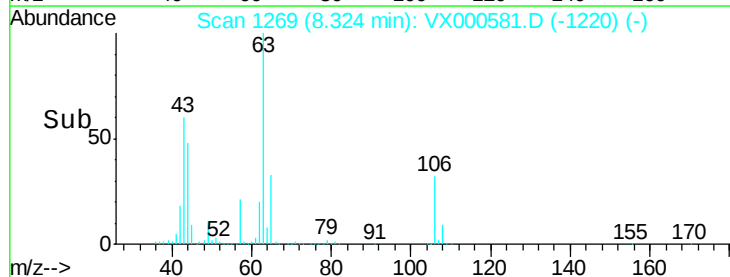
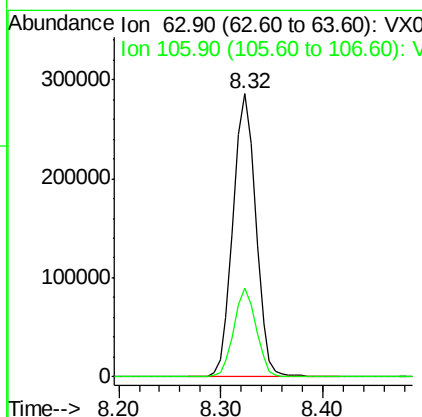
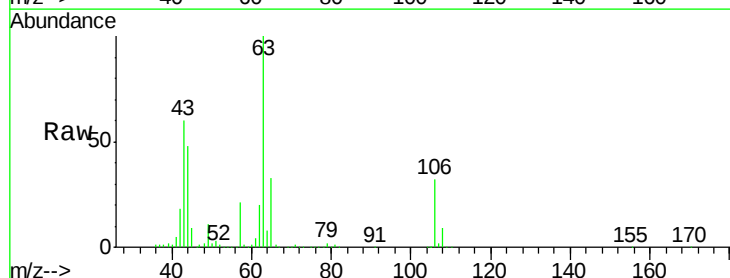
Manual Integrations
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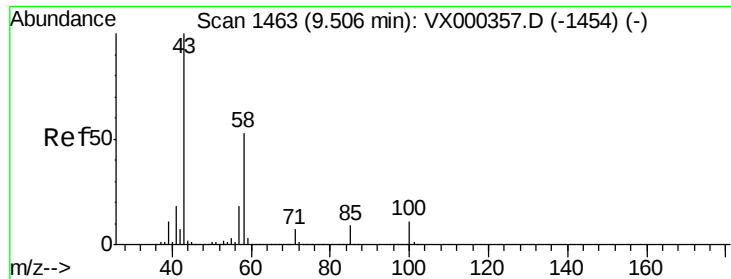
sam
 4/4/2018 10:29:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.795 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	23.2	34.8





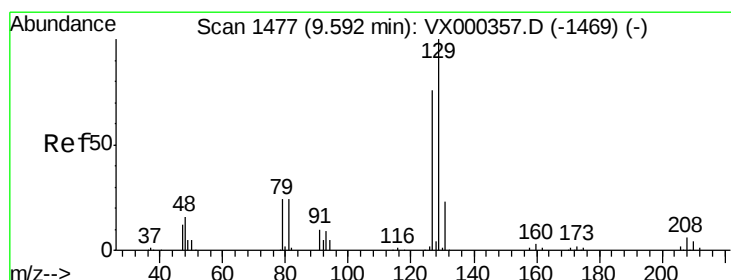
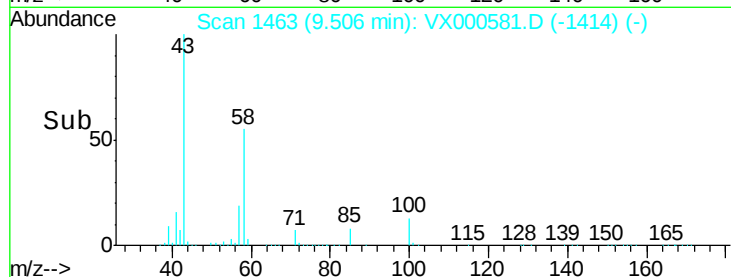
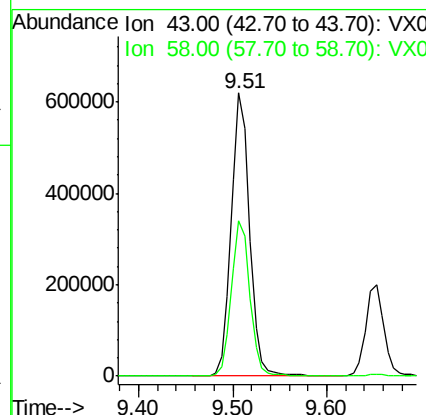
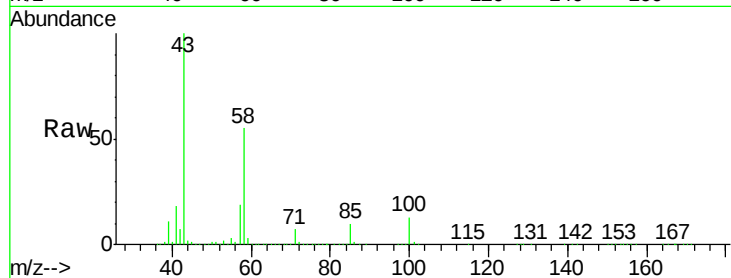
#59
2-Hexanone
Concen: 200.143 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 841013
Ion Ratio Lower Upper
43 100
58 55.6 26.6 79.7

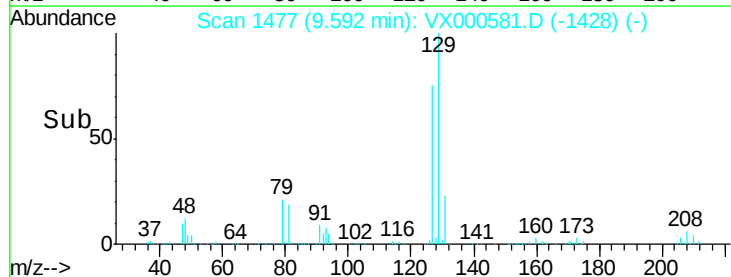
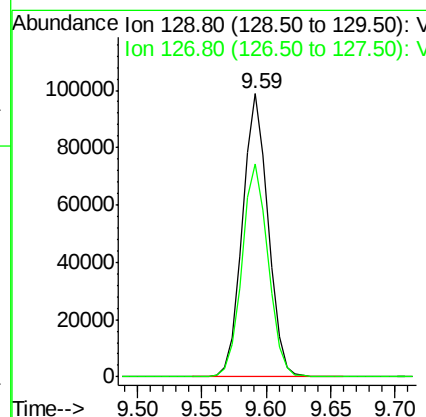
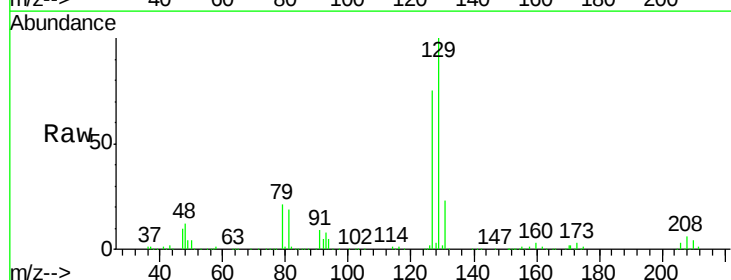
Manual Integrations
APPROVED

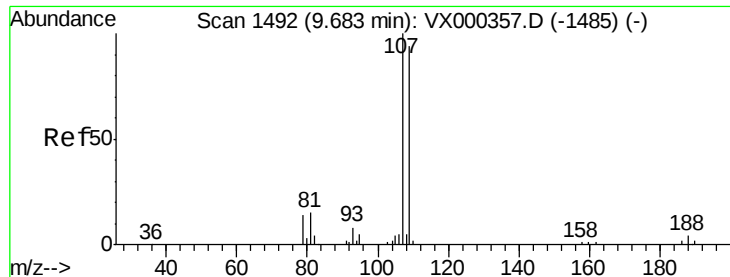
sam
4/4/2018 10:29:40 AM



#60
Dibromochloromethane
Concen: 44.120 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion: 129 Resp: 135424
Ion Ratio Lower Upper
129 100
127 77.1 37.9 113.6





#61

1,2-Dibromoethane

Concen: 49.300 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 138787

Ion Ratio Lower Upper

107 100

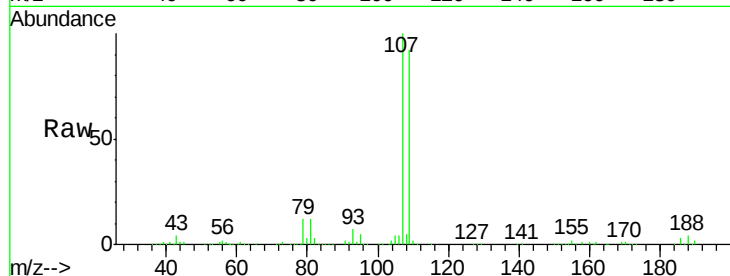
109 95.1 76.1 114.1

Manual Integrations

APPROVED

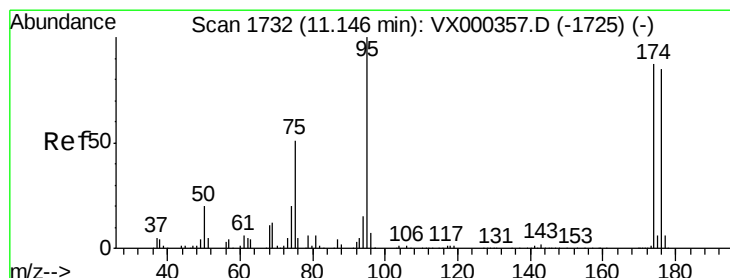
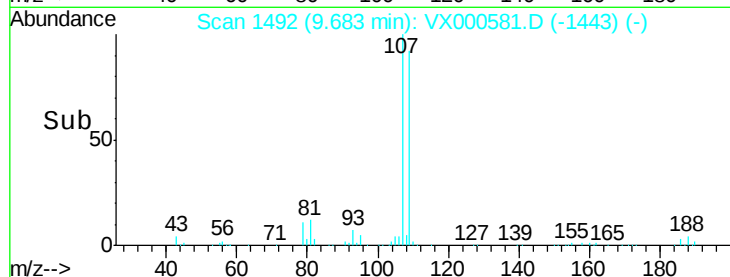
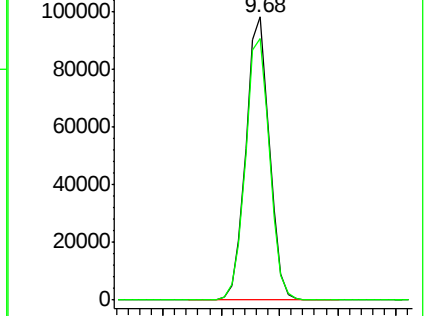
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.892 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

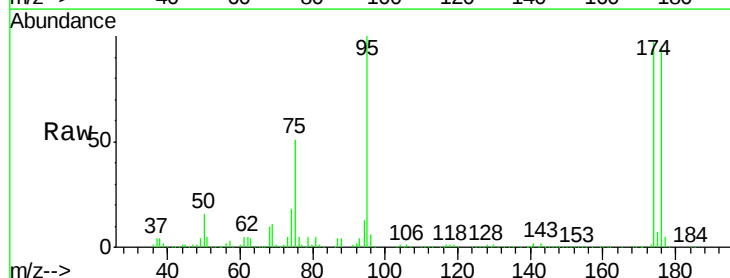
Tgt Ion: 95 Resp: 163520

Ion Ratio Lower Upper

95 100

174 95.0 0.0 173.6

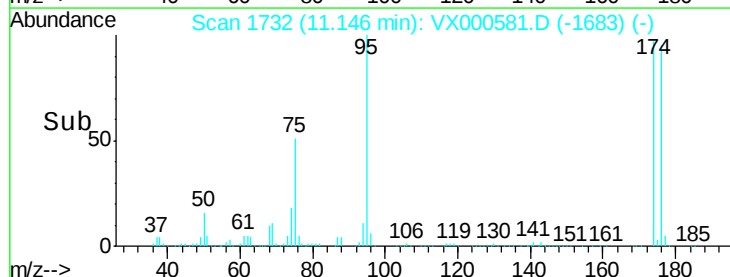
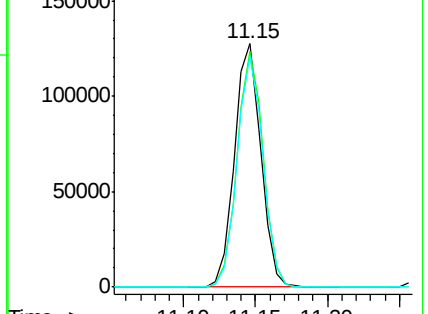
176 92.9 0.0 164.6

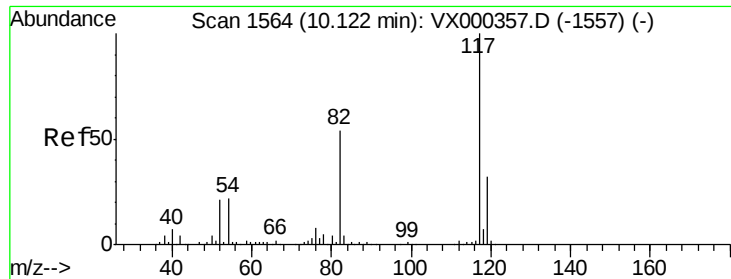


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





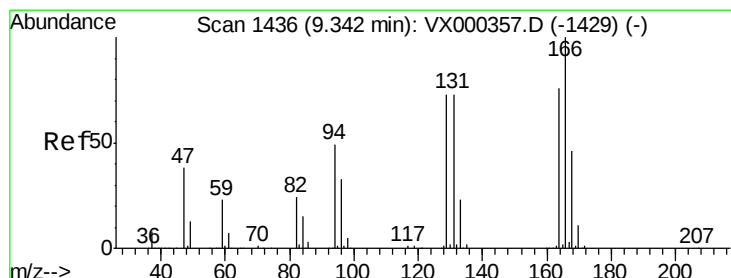
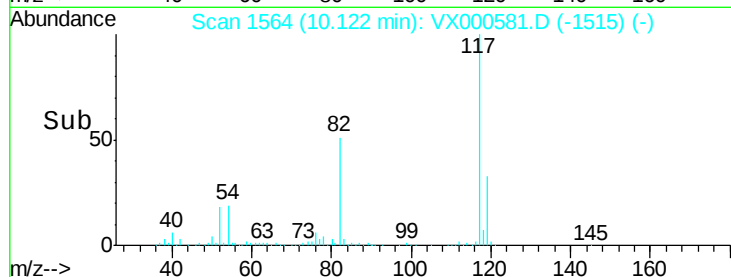
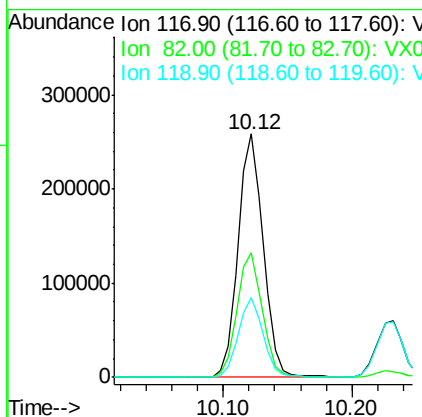
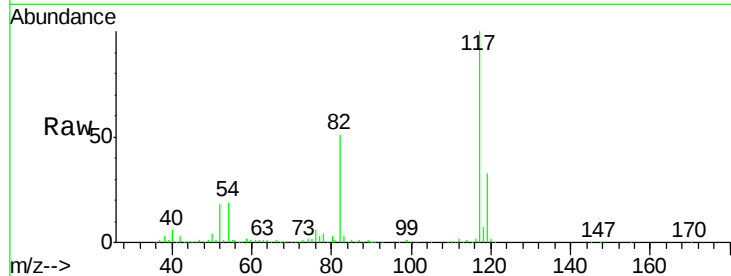
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	43.8	65.8
119	32.6	24.9	37.3

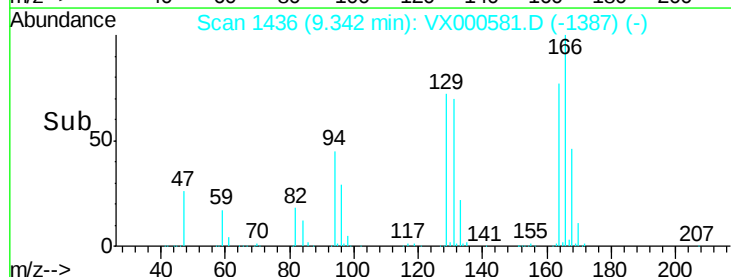
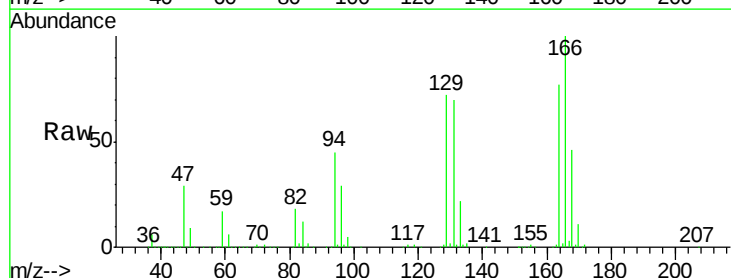
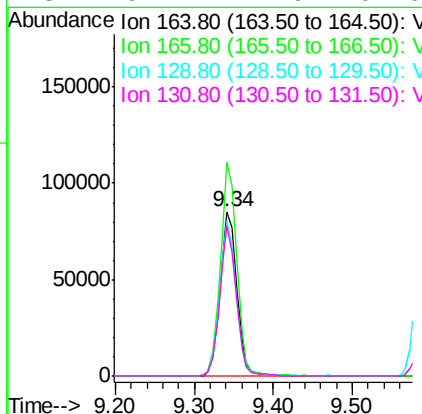
Manual Integrations
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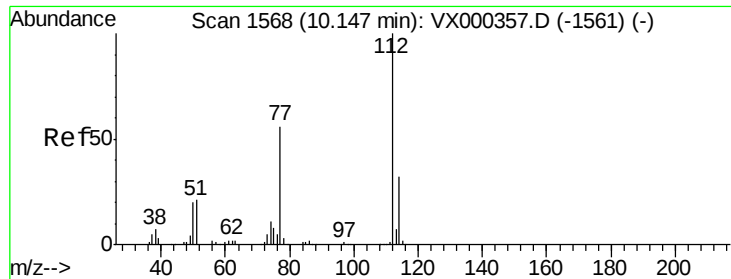
sam
4/4/2018 10:29:40 AM



#64
Tetrachloroethene
Concen: 46.565 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	101.0	151.6
129	94.1	79.0	118.4
131	91.2	71.9	107.9





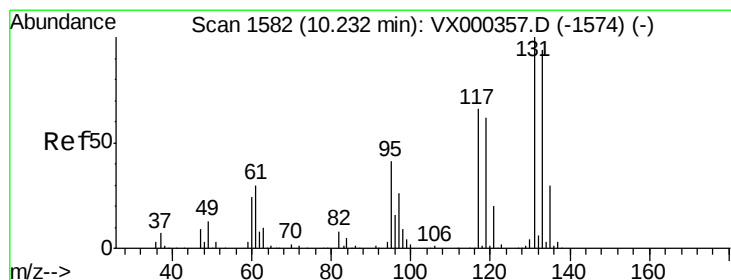
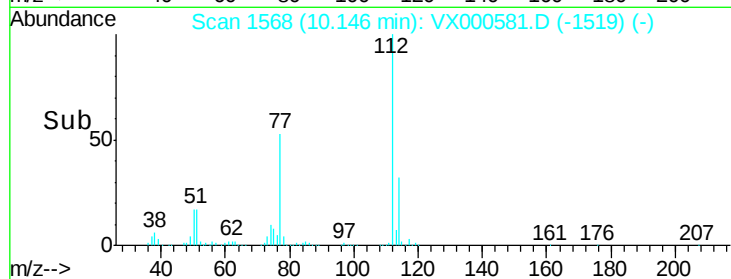
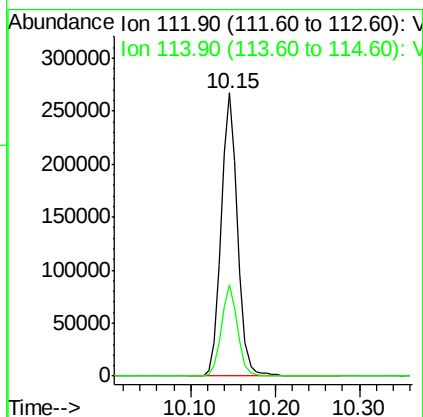
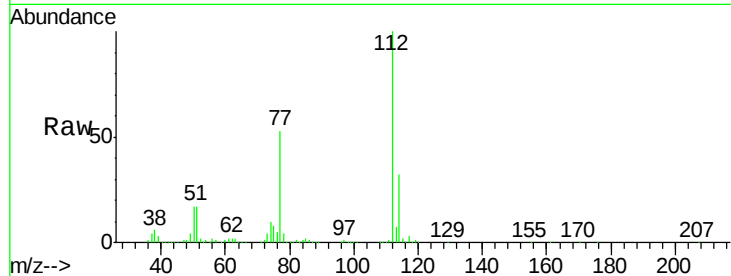
#65
Chlorobenzene
Concen: 46.039 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 358240
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5

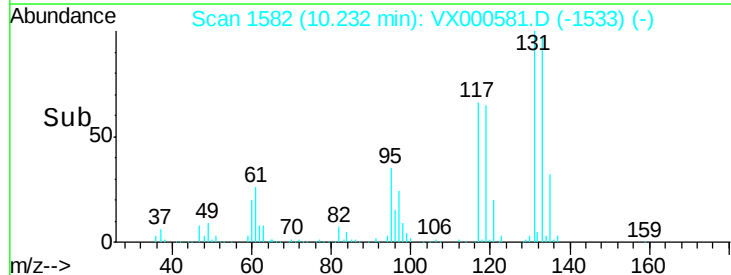
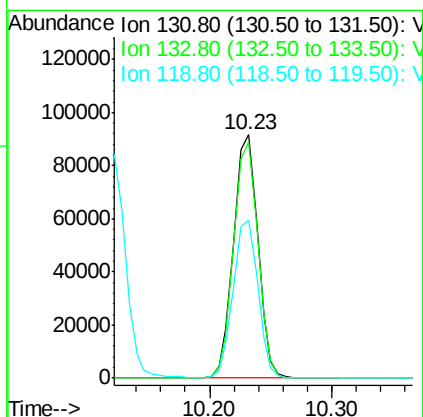
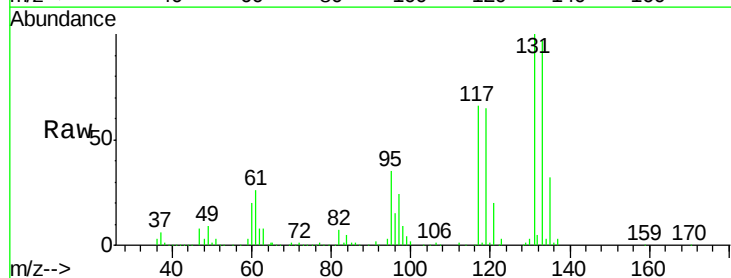
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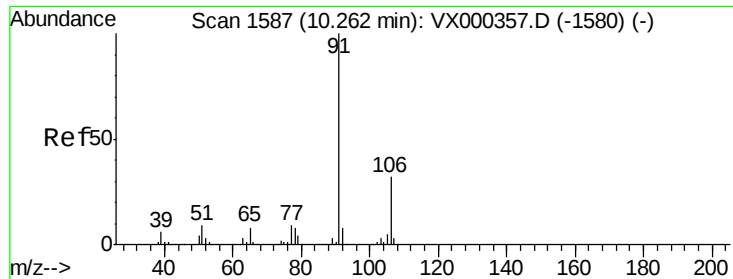
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.701 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion:131 Resp: 126058
Ion Ratio Lower Upper
131 100
133 97.2 47.1 141.3
119 66.1 33.1 99.2





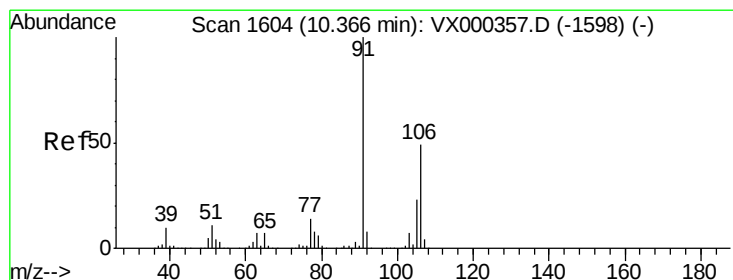
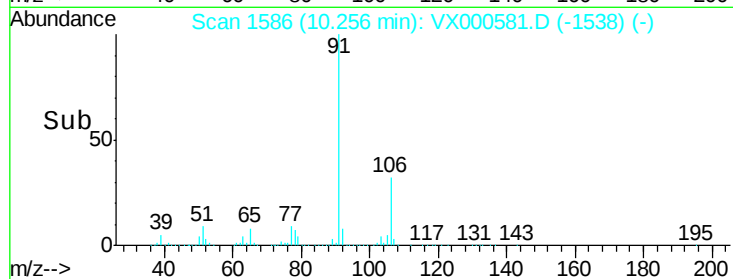
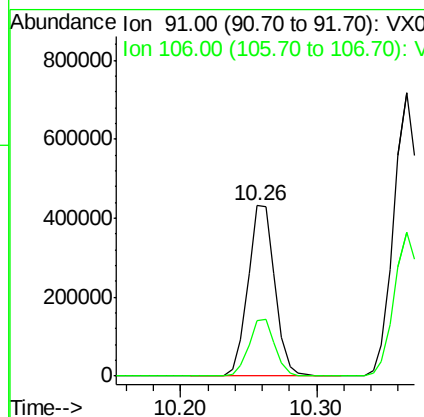
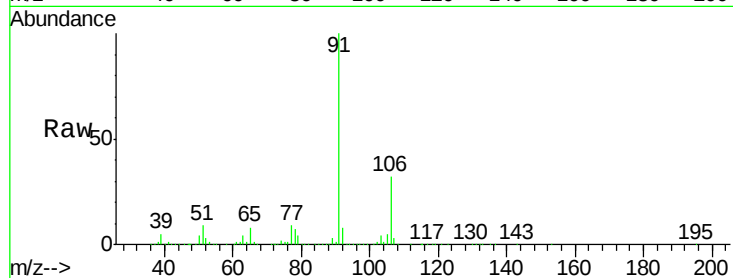
#67
Ethyl Benzene
Concen: 45.315 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 597727
Ion Ratio Lower Upper
91 100
106 32.3 25.0 37.6

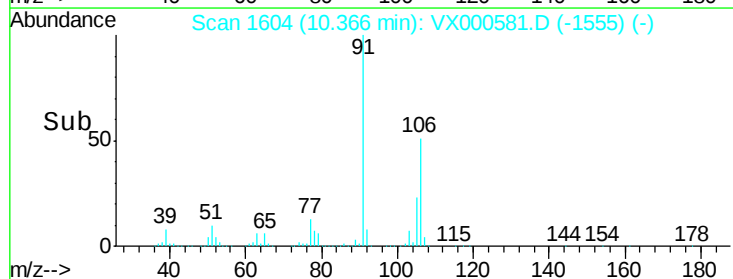
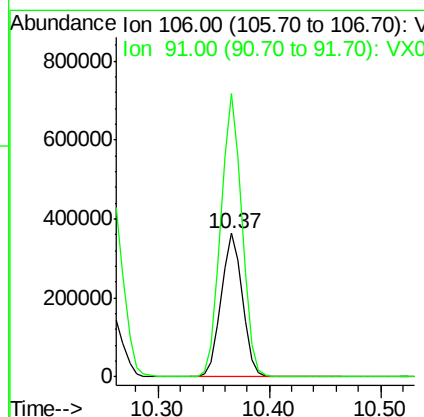
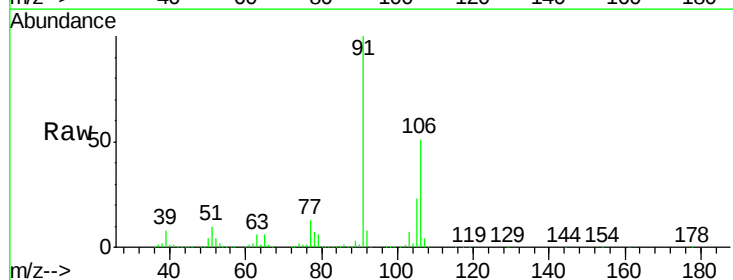
Manual Integrations
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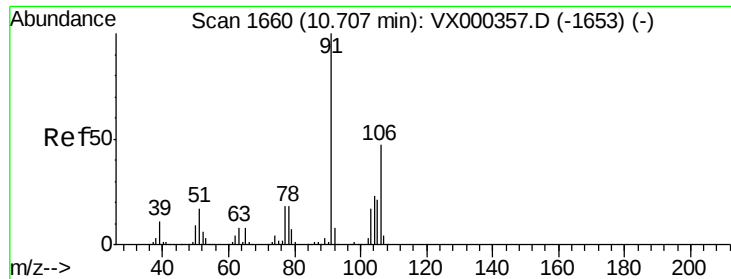
sam
4/4/2018 10:29:40 AM



#68
m/p-Xylenes
Concen: 92.759 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion: 106 Resp: 481465
Ion Ratio Lower Upper
106 100
91 196.0 163.4 245.2





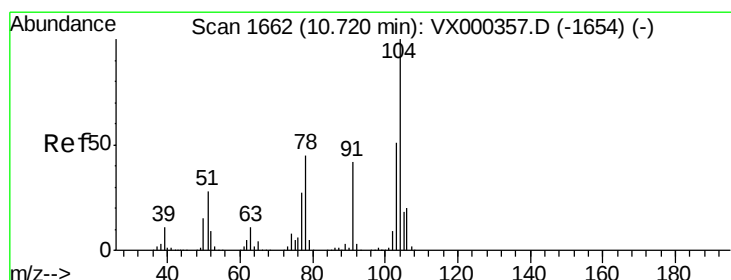
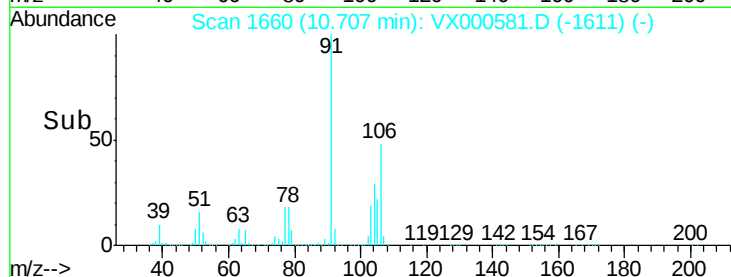
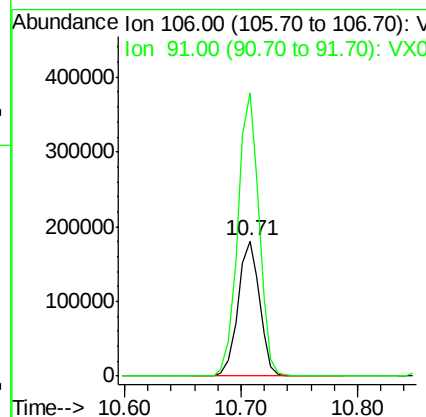
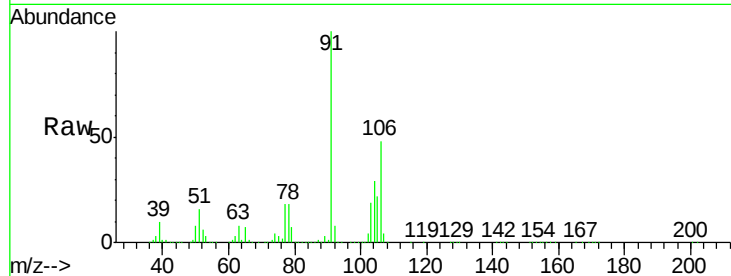
#69
o-Xylene
Concen: 46.432 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.6	106.5	319.6

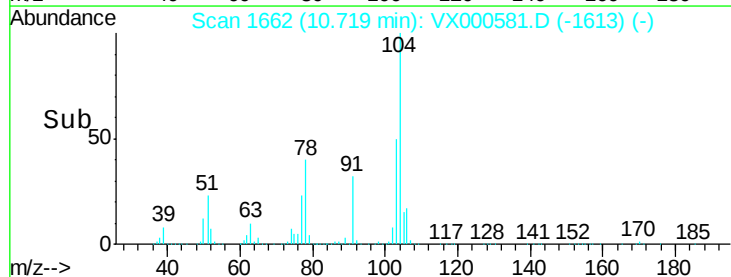
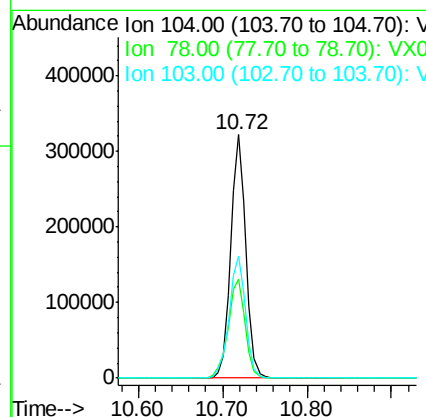
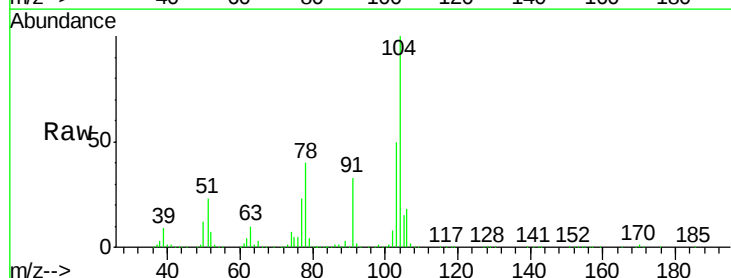
Manual Integrations
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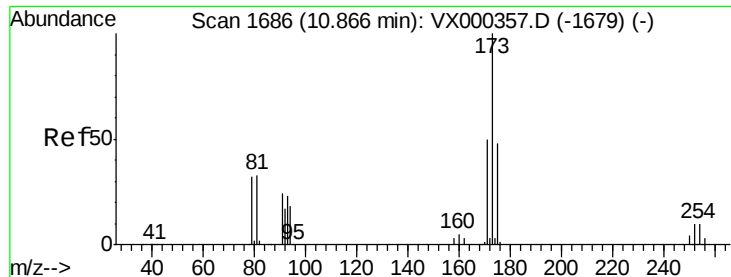
Sam
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#70
Styrene
Concen: 47.846 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.0	40.5	60.7
103	54.8	45.7	68.5





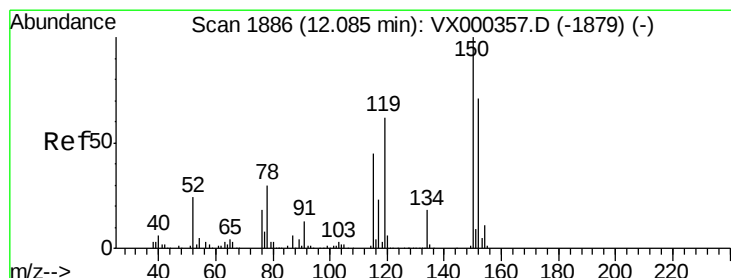
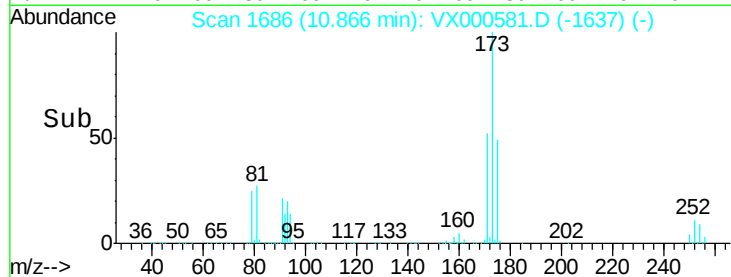
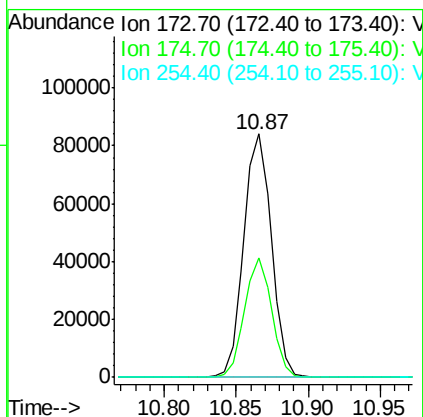
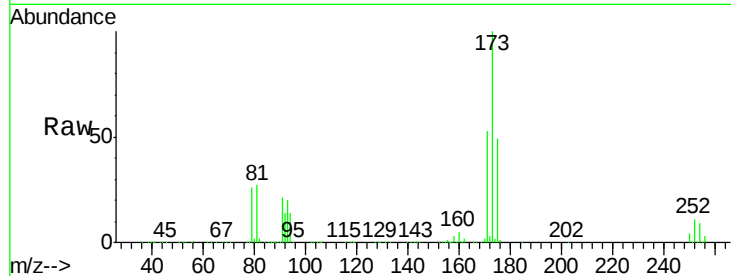
#71
Bromoform
Concen: 41.473 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	25.4	76.4
254	0.1	0.0	0.0

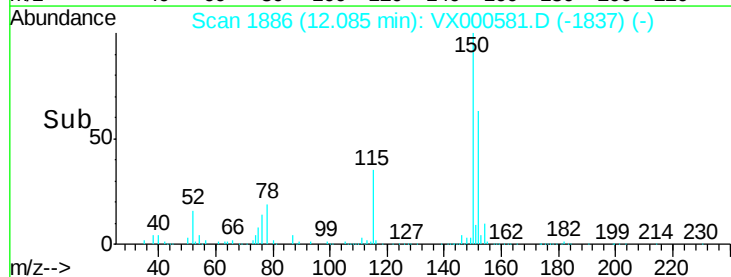
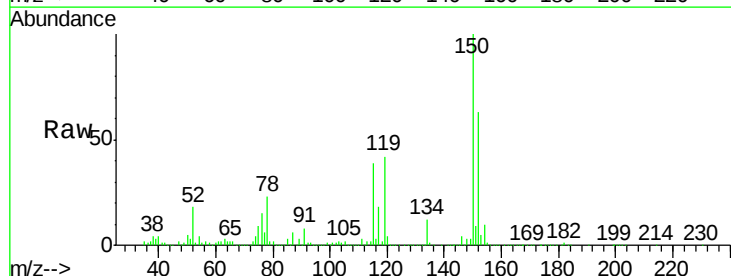
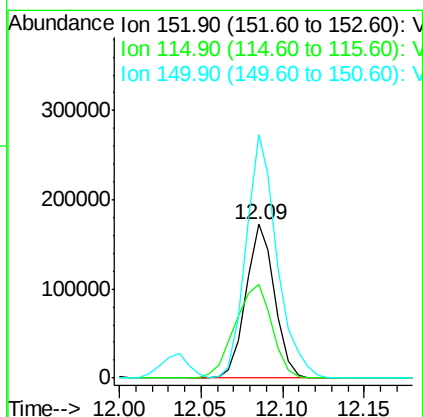
Manual Integrations
APPROVED

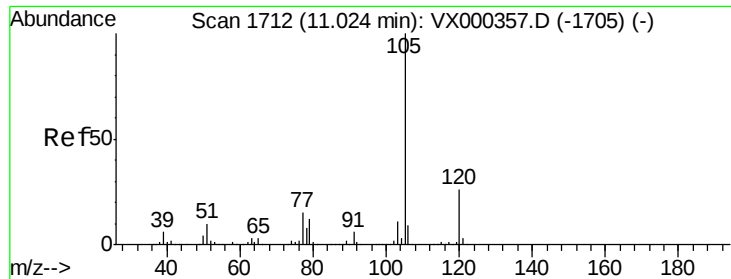
sam
4/4/2018 10:29:40 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.8	39.8	119.3
150	172.2	0.0	344.4





#73

Isopropylbenzene

Concen: 45.470 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 632682

Ion Ratio Lower Upper

105 100

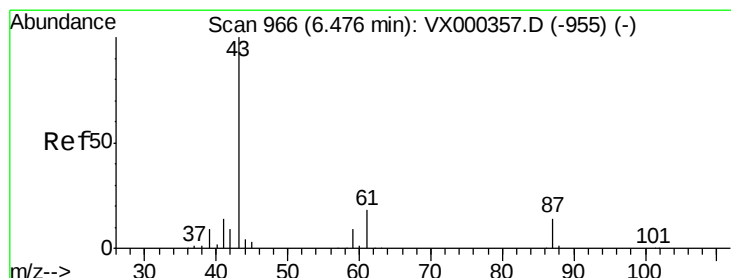
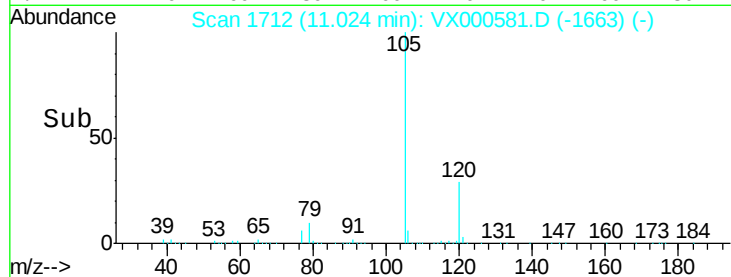
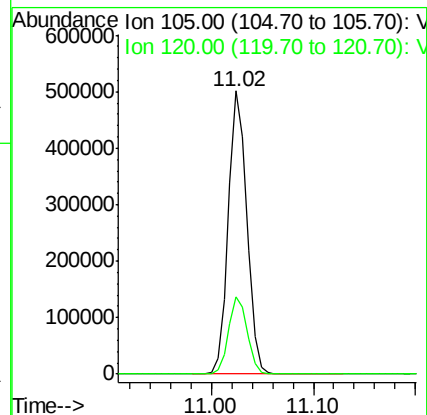
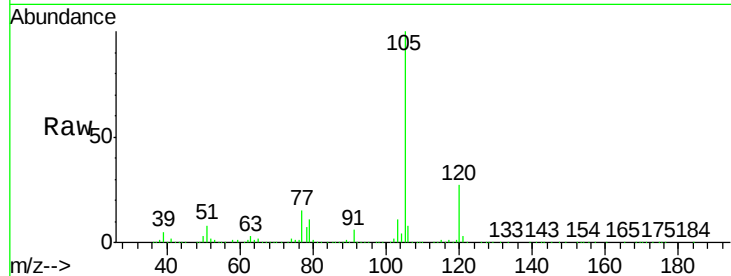
120 27.5 13.6 40.7

Manual Integrations

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sam

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#74

N-ethyl acetate

Concen: 45.613 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Tgt Ion: 43 Resp: 278396

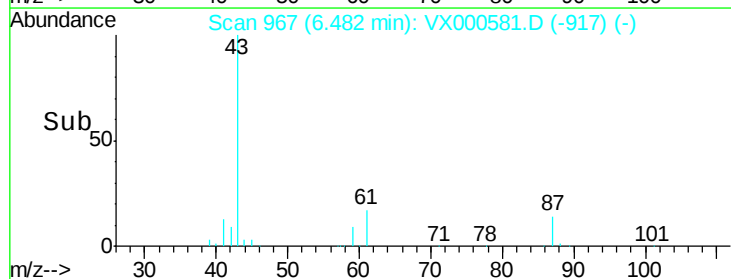
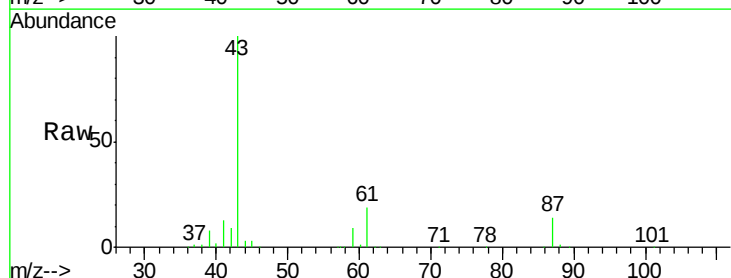
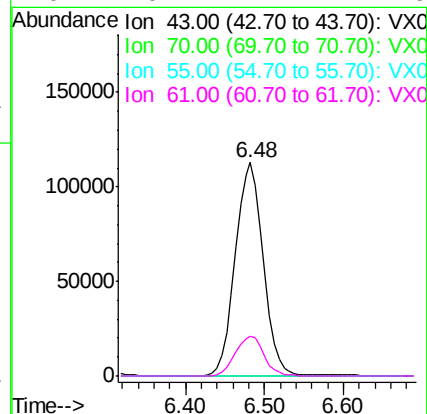
Ion Ratio Lower Upper

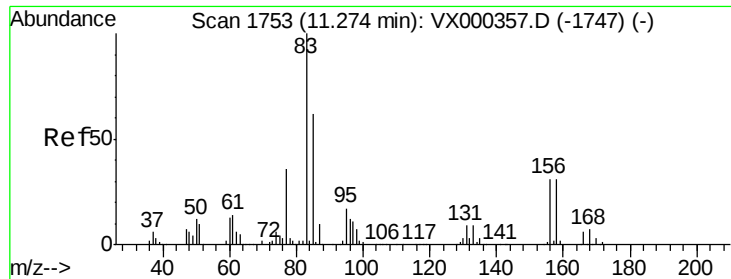
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.2 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 43.007 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 211659
Ion Ratio Lower Upper

83 100

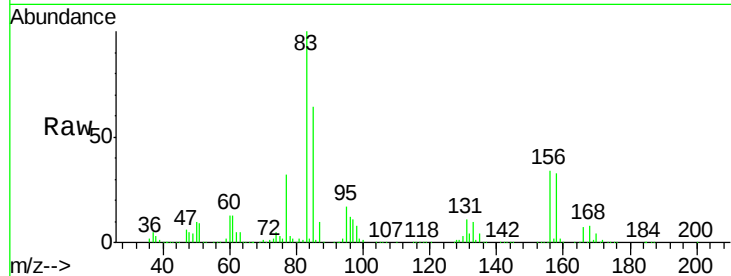
131 11.2 5.0 14.9

85 65.0 32.5 97.5

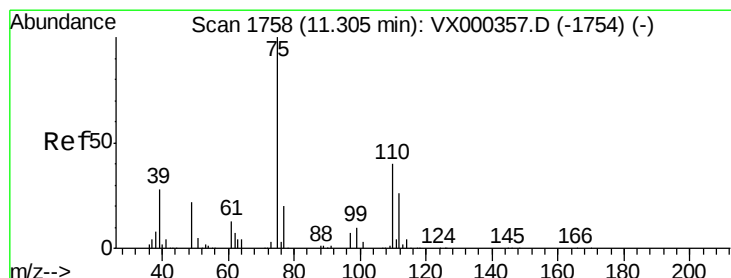
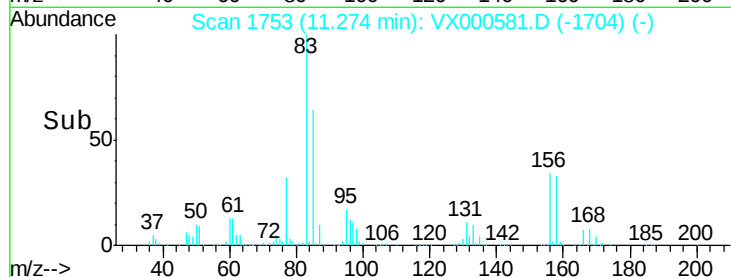
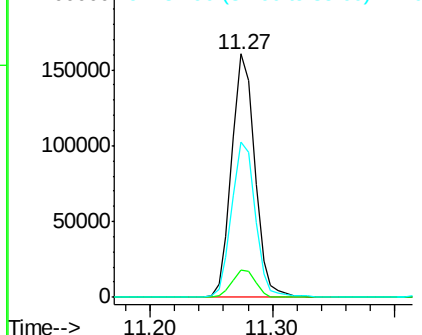
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 41.887 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

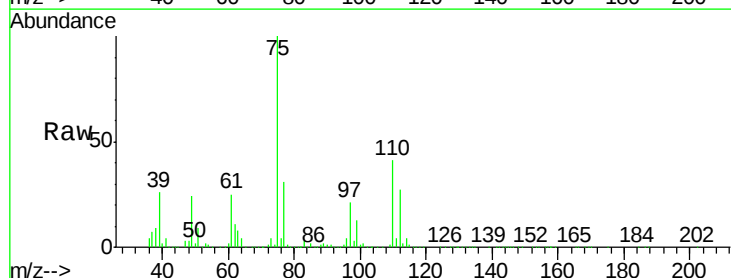
Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

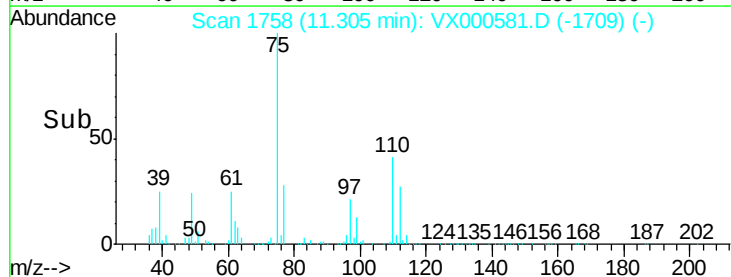
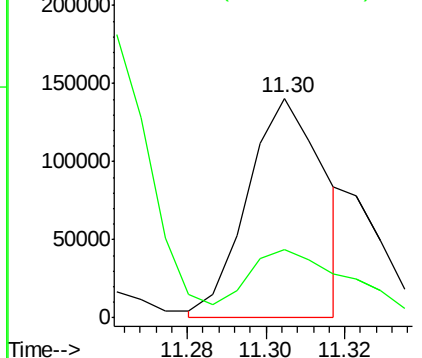
Tgt Ion: 75 Resp: 189052
Ion Ratio Lower Upper

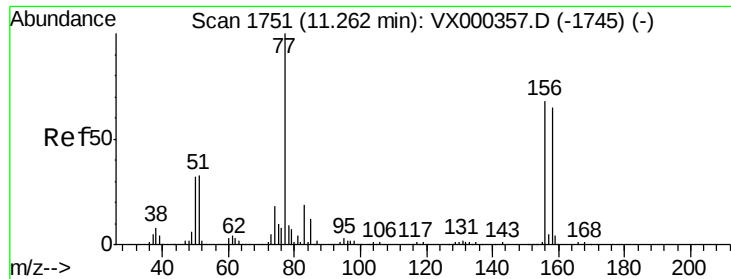
75 100

77 41.3 21.4 64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.569 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

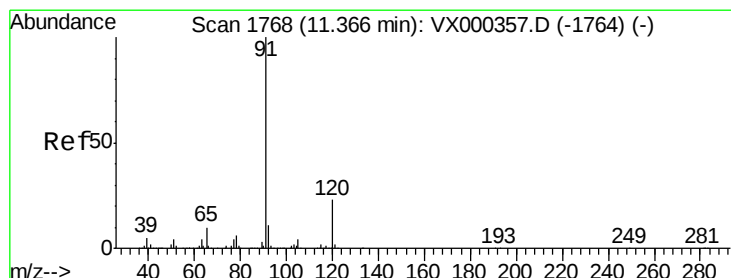
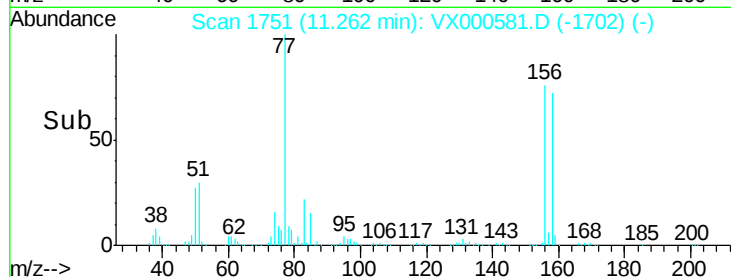
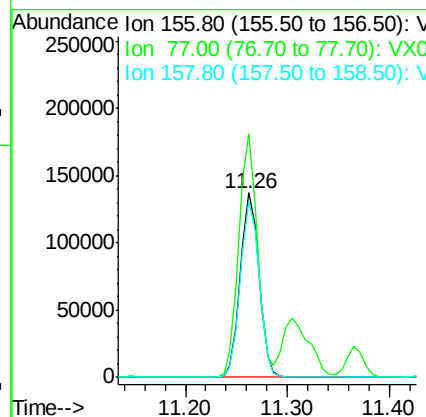
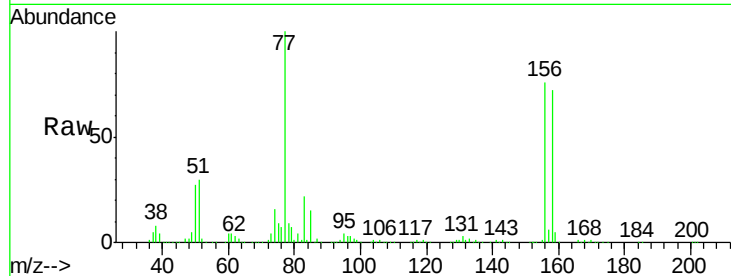
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	172619
Ion Ratio	Lower	Upper	
156	100		
77	131.5	73.4	220.2
158	96.7	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 43.949 ug/l

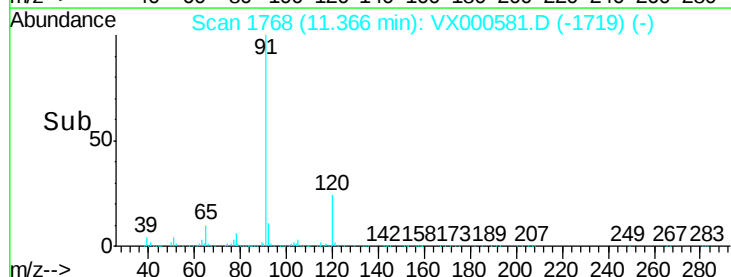
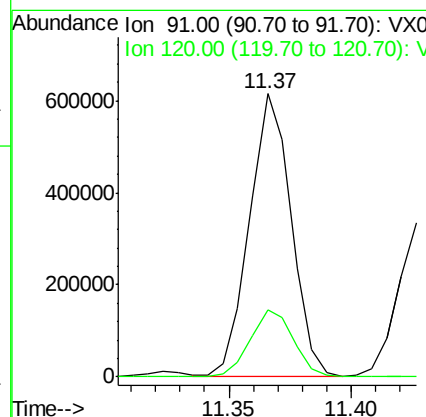
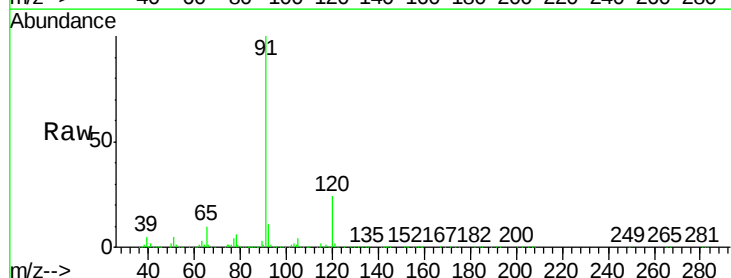
RT: 11.37 min Scan# 1768

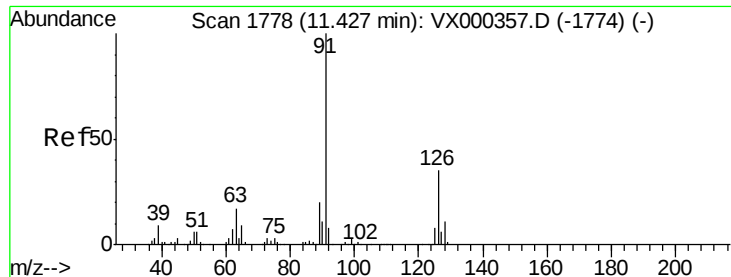
Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Tgt Ion:	91	Resp:	729170
Ion Ratio	Lower	Upper	
91	100		
120	24.5	11.8	35.3





#79

2-Chlorotoluene

Concen: 42.803 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 410261

Ion Ratio Lower Upper

91 100

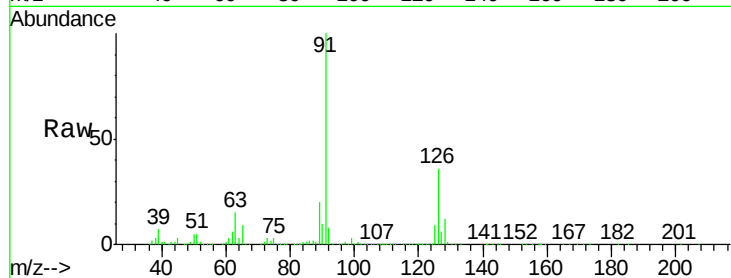
126 37.6 17.7 53.1

Manual Integrations

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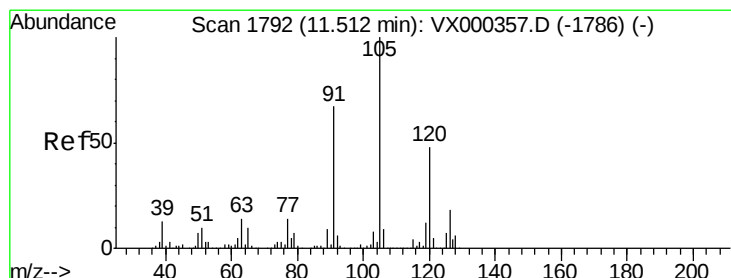
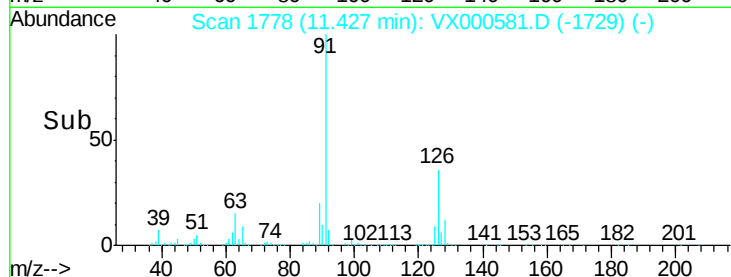
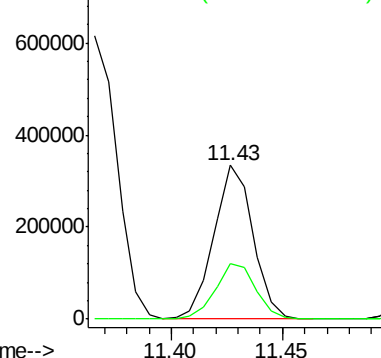
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 45.597 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000581.D

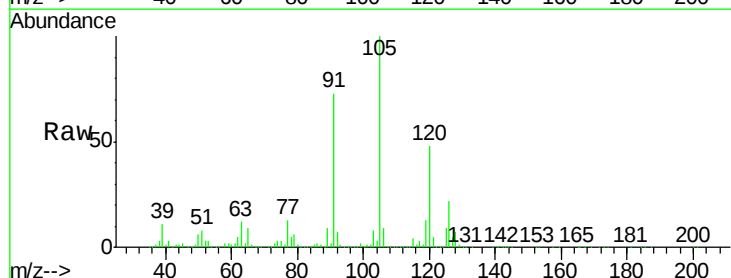
Acq: 31 Mar 2018 00:20

Tgt Ion:105 Resp: 533469

Ion Ratio Lower Upper

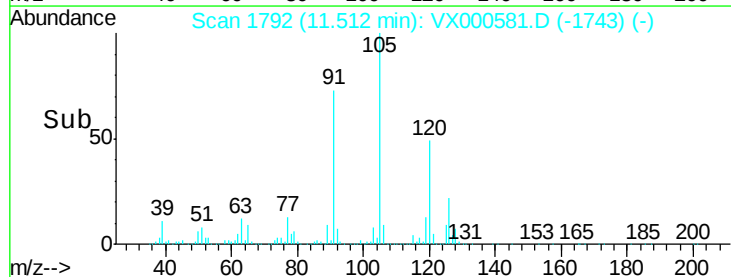
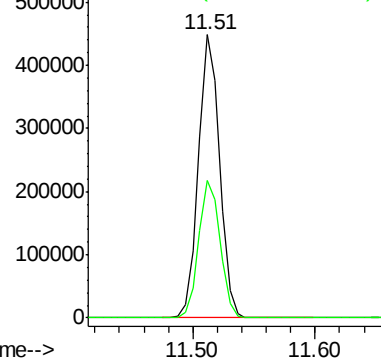
105 100

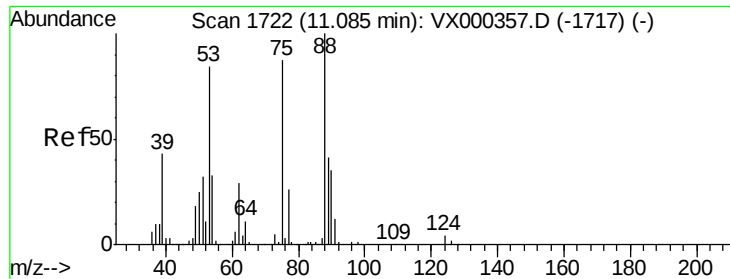
120 49.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





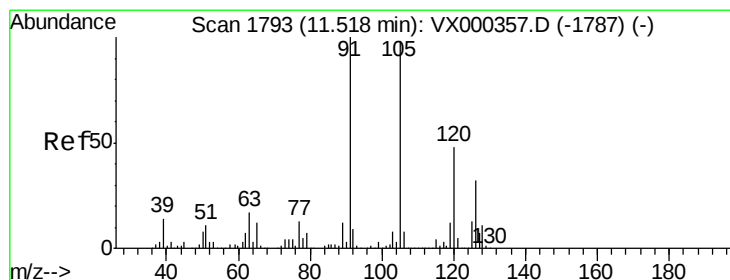
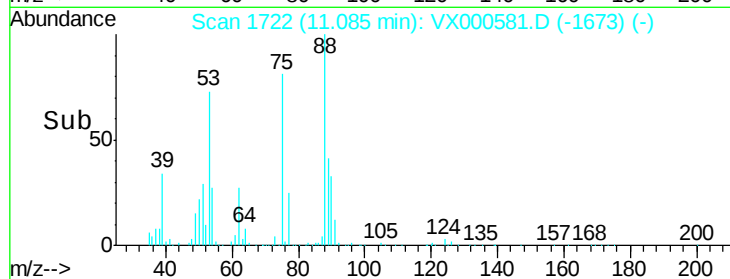
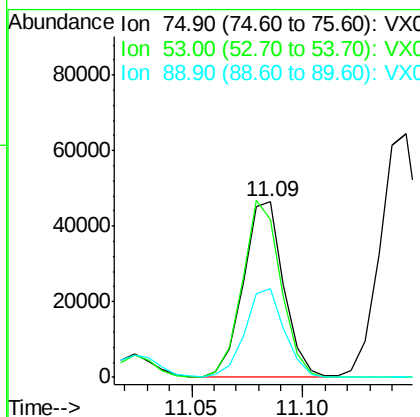
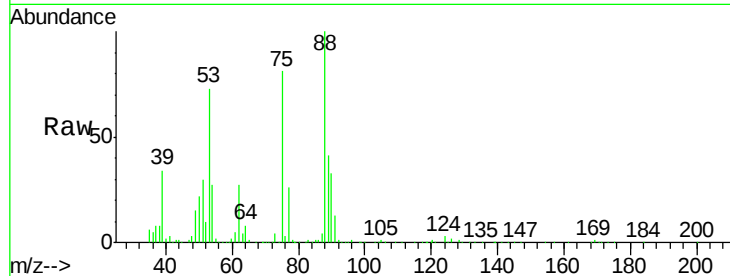
#81
trans-1,4-Dichloro-2-butene
Concen: 41.793 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	80.7	121.1
89	49.9	39.4	59.0

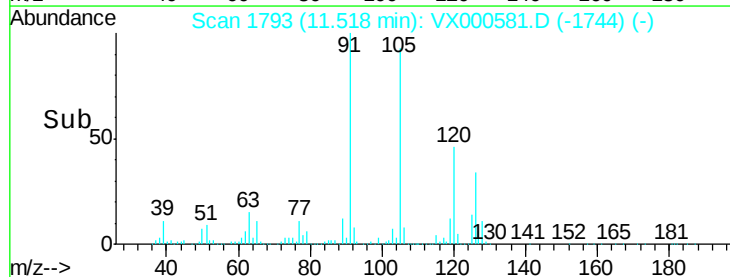
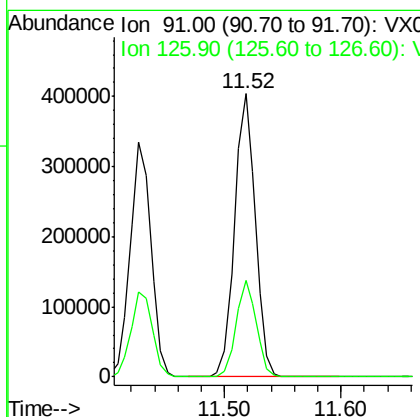
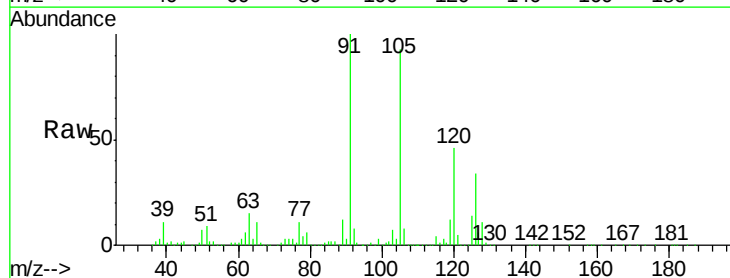
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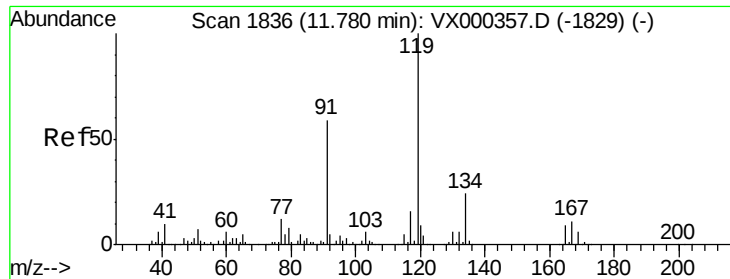
sam
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#82
4-Chlorotoluene
Concen: 43.742 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	15.4	46.1





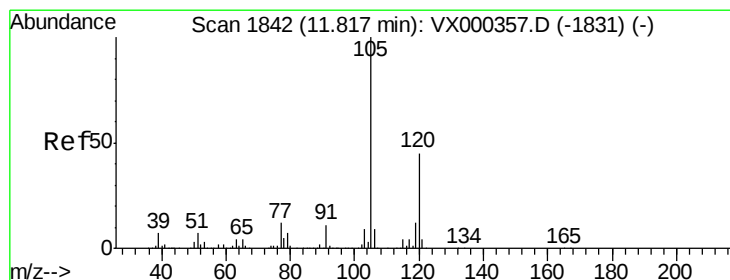
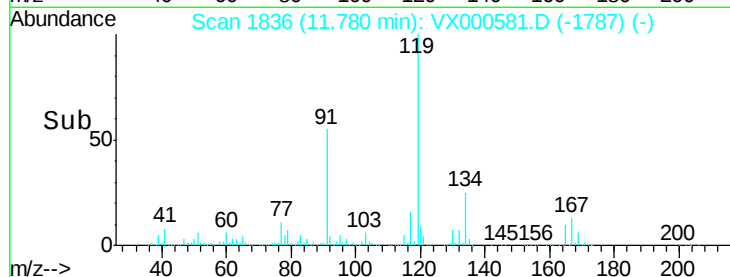
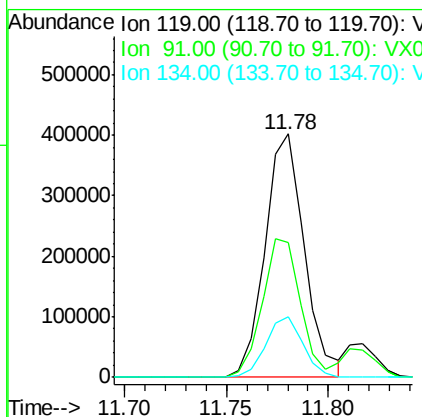
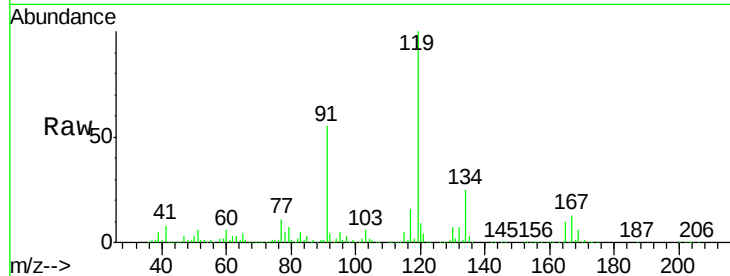
#83
 tert-Butylbenzene
 Concen: 45.768 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.9	28.8	86.4
134	23.7	11.4	34.1

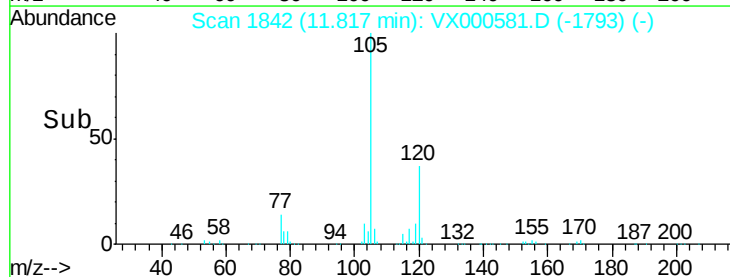
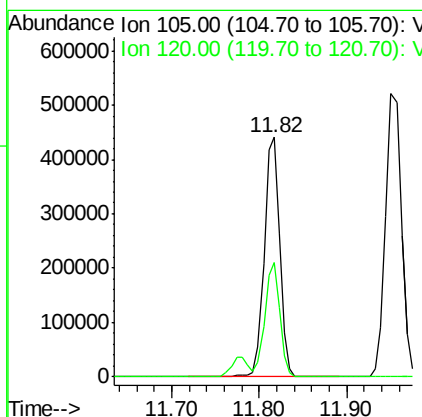
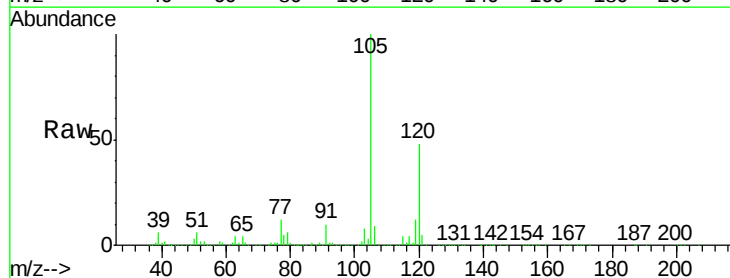
Manual Integrations
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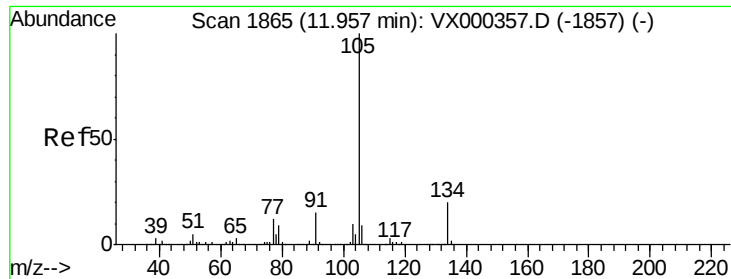
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 44.977 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.4	67.3





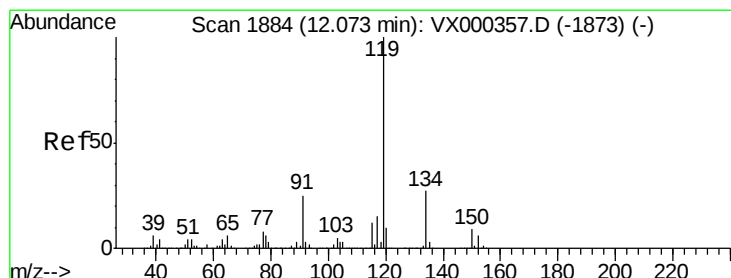
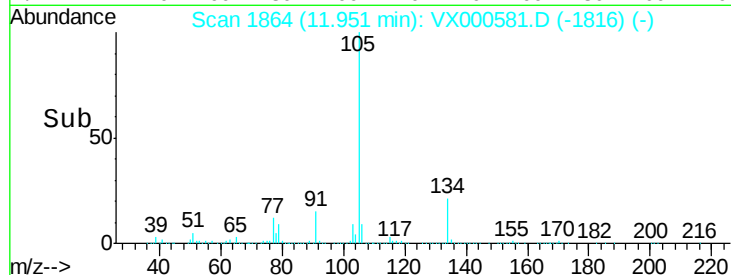
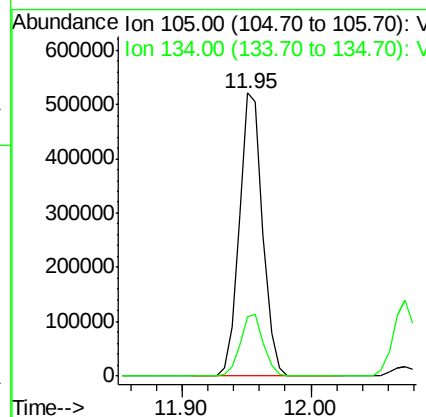
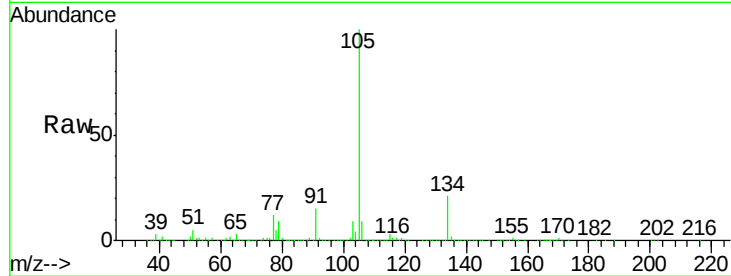
#85
 sec-Butylbenzene
 Concen: 44.722 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 652959
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.3 30.8

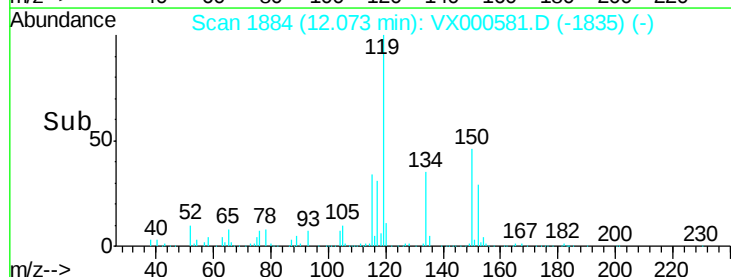
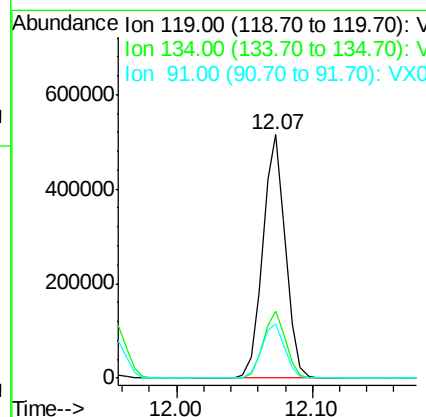
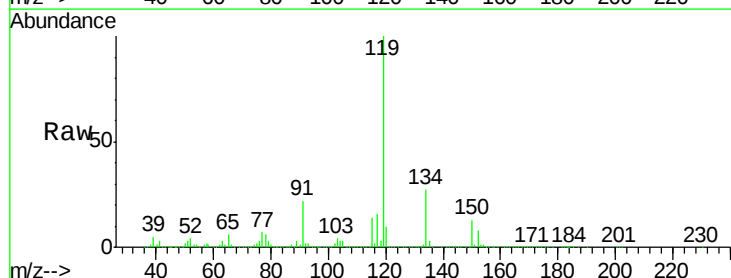
Manual Integrations
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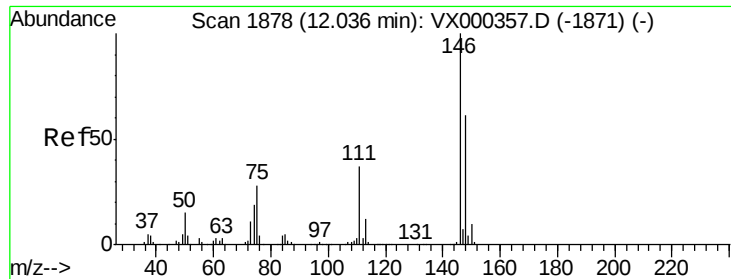
sam
 4/4/2018 10:29:40 AM



#86
 p-Isopropyltoluene
 Concen: 46.330 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Tgt Ion:119 Resp: 600743
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.3 39.9
 91 22.9 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 46.546 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

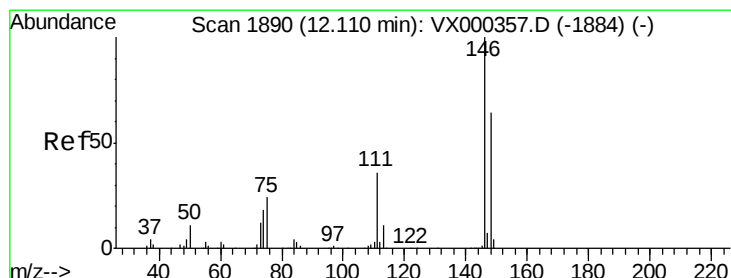
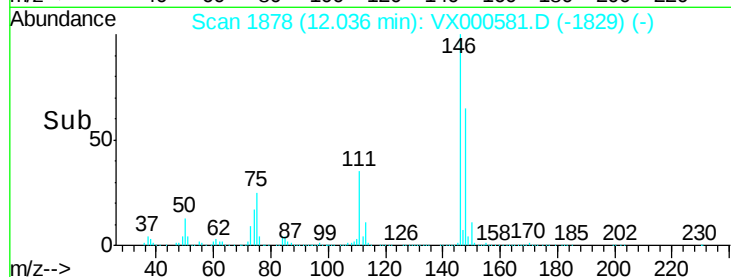
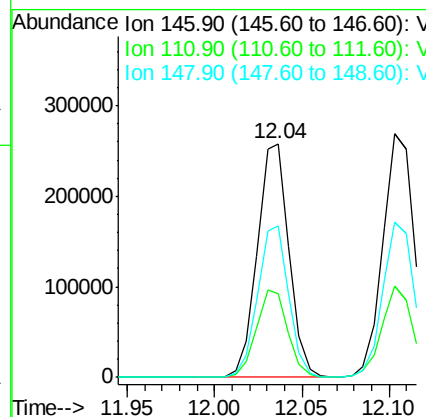
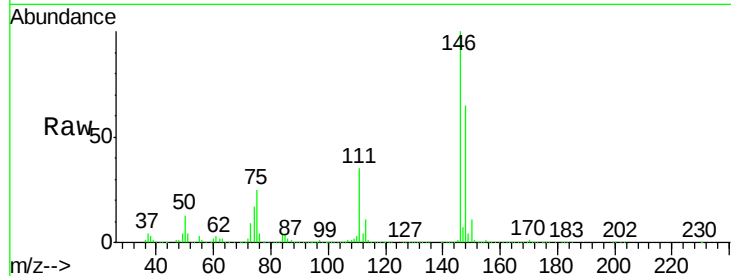
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	326225
Ion Ratio	Lower	Upper	
146	100		
111	37.0	19.5	58.5
148	63.6	32.4	97.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 45.626 ug/l

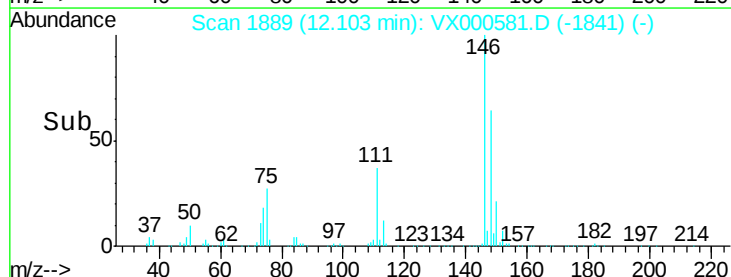
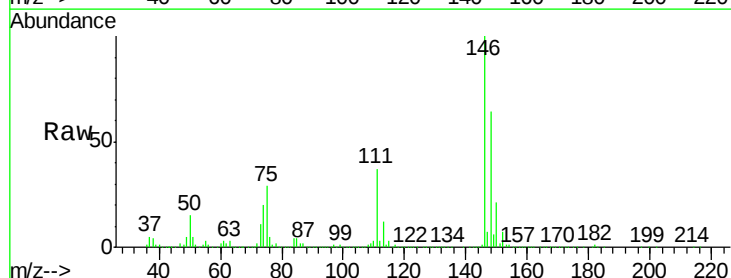
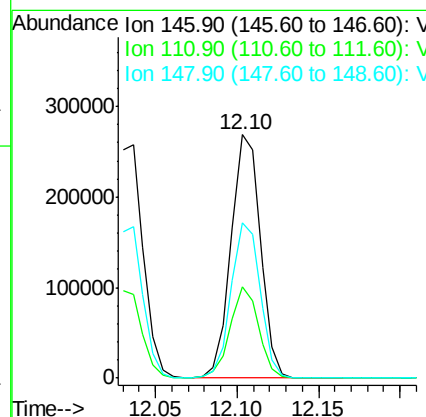
RT: 12.10 min Scan# 1889

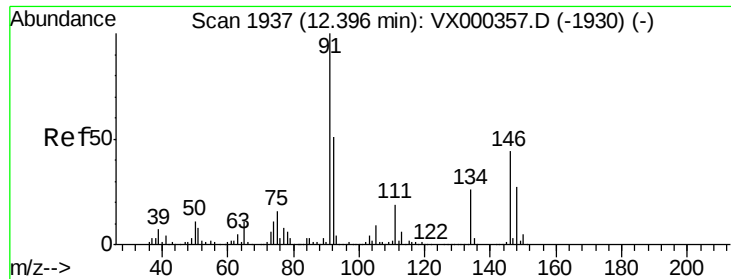
Delta R.T. -0.01 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Tgt Ion:	146	Resp:	335728
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.9	56.9
148	63.8	31.0	93.0





#89

n-Butylbenzene

Concen: 44.746 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

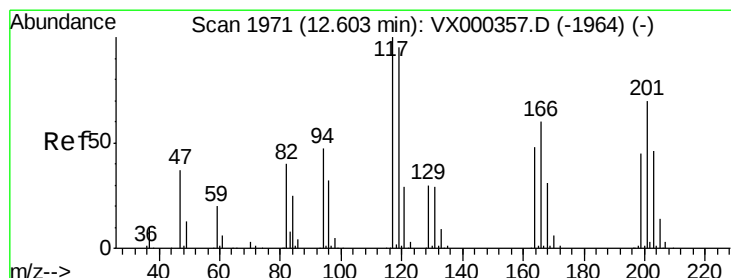
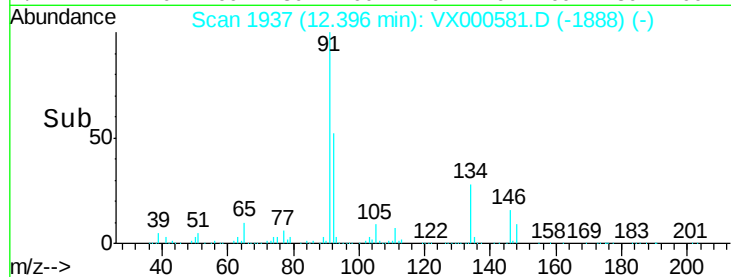
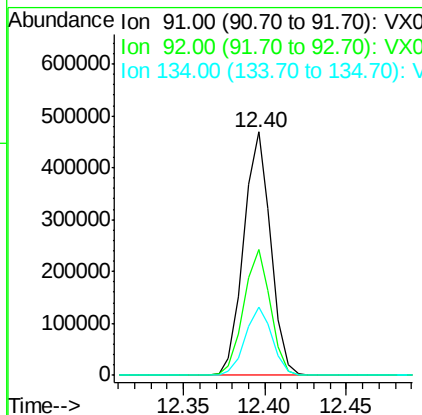
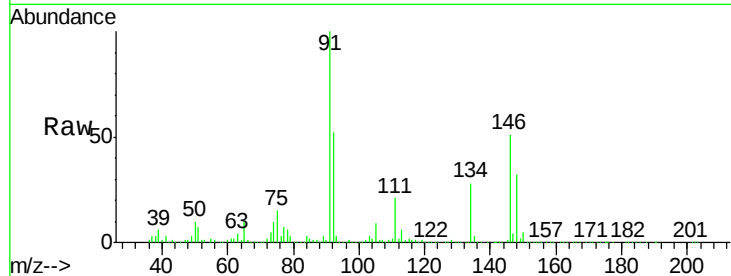
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	540225
Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.8
134	28.0	13.1	39.3

Manual Integrations
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#90

Hexachloroethane

Concen: 43.429 ug/l

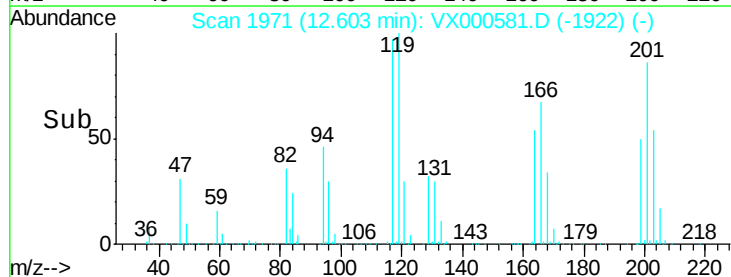
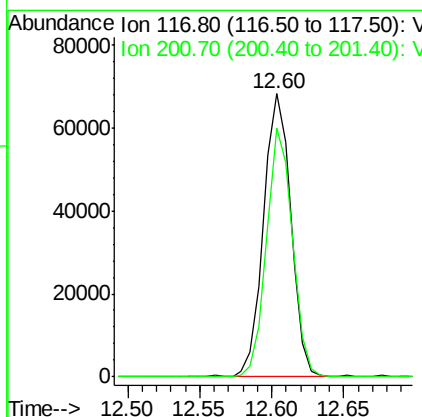
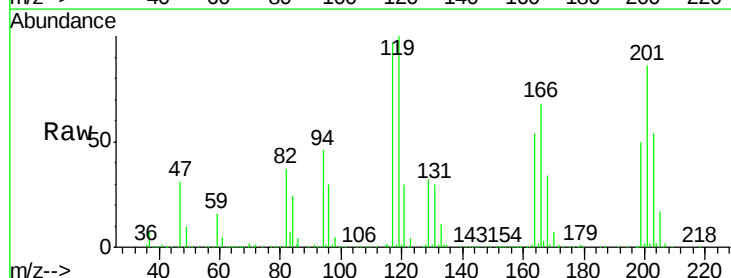
RT: 12.60 min Scan# 1971

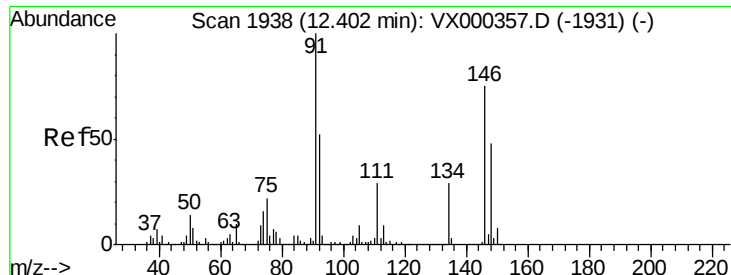
Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Tgt Ion:	117	Resp:	88636
Ion	Ratio	Lower	Upper
117	100		
201	84.0	37.9	113.6





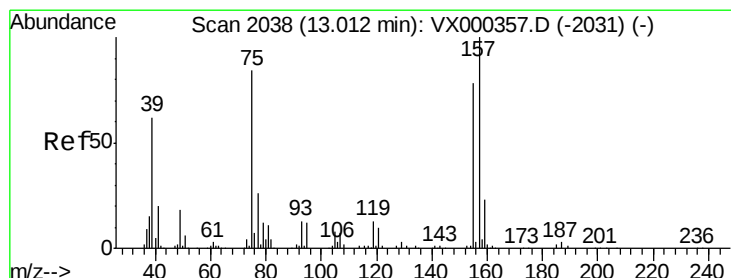
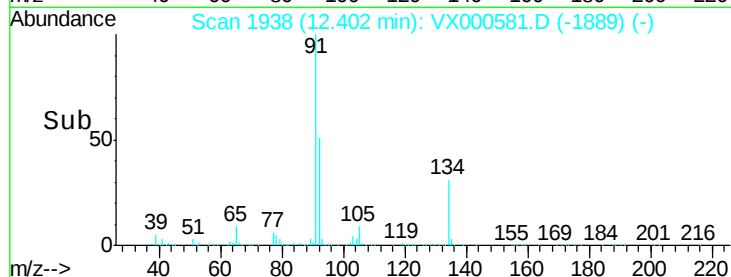
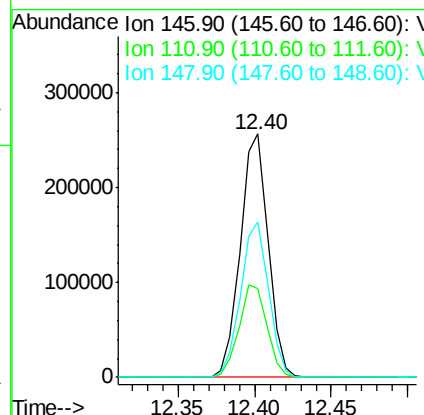
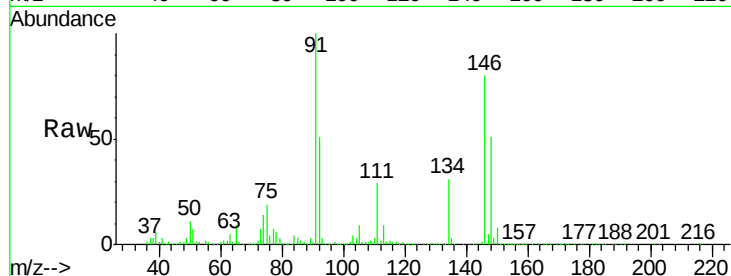
#91
 1,2-Dichlorobenzene
 Concen: 47.023 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.1	60.2
148	64.1	31.2	93.6

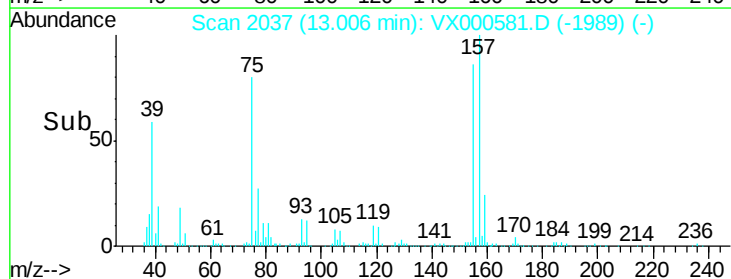
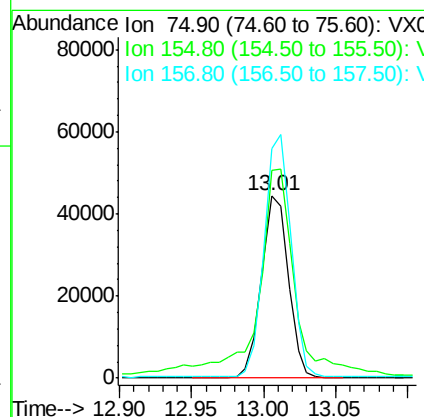
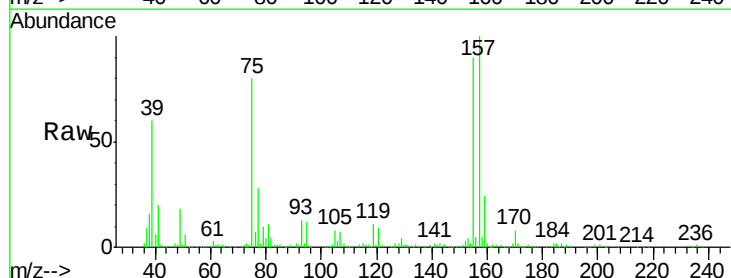
Manual Integrations
 APPROVED

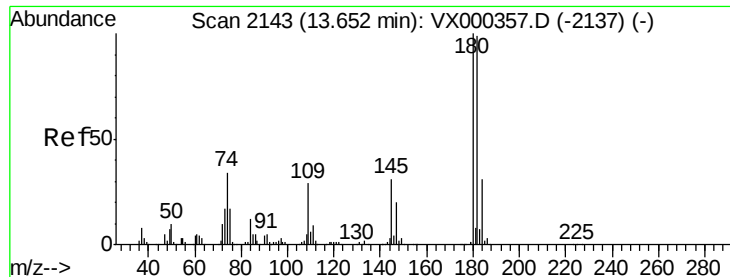
sam
 4/4/2018 10:29:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.604 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000581.D
 Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	163.0	45.0	134.8#
157	131.8	58.1	174.2





#93

1,2,4-Trichlorobenzene

Concen: 50.450 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Instrument :

MSVOA_X

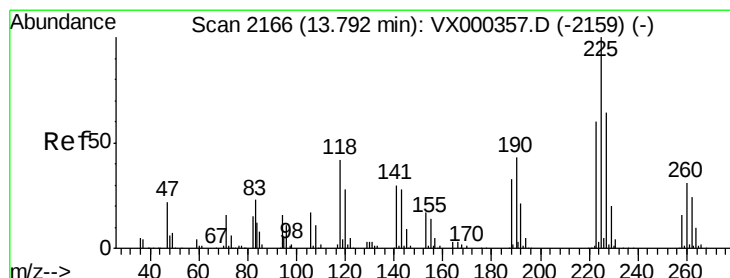
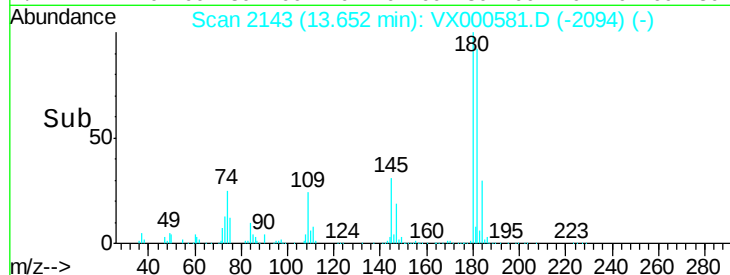
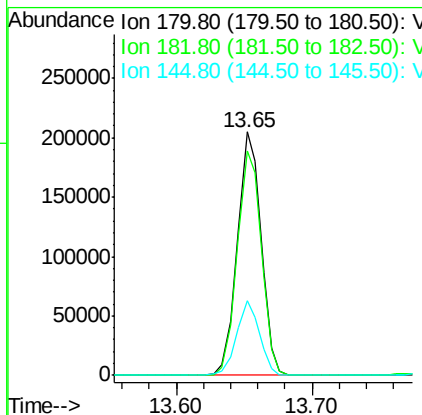
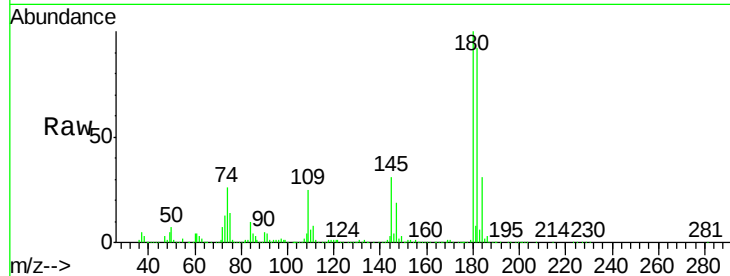
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	248517
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.6	142.9
145	29.3	15.1	45.3

Manual Integrations
APPROVED

sam
4/4/2018 10:29:40 AM



#94

Hexachlorobutadiene

Concen: 45.526 ug/l

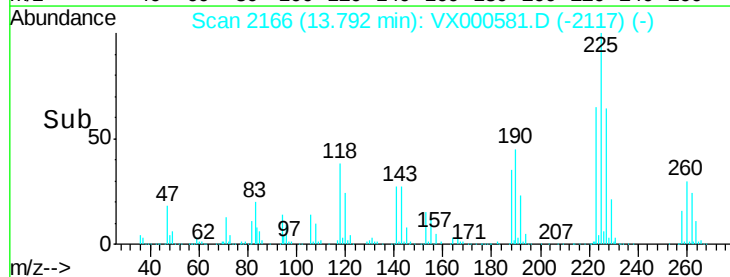
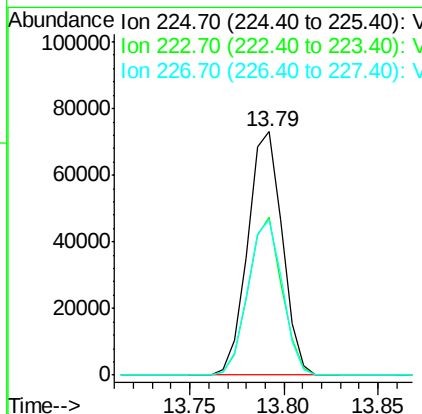
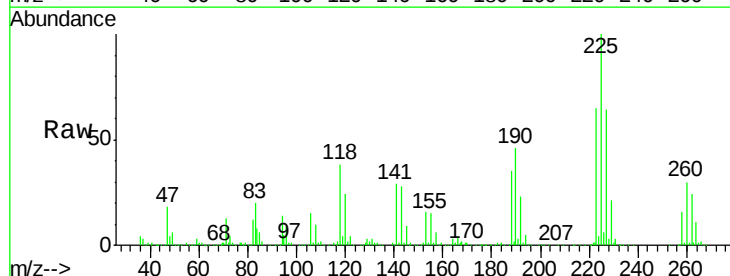
RT: 13.79 min Scan# 2166

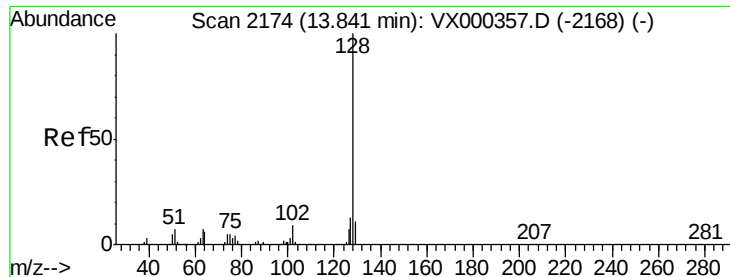
Delta R.T. -0.00 min

Lab File: VX000581.D

Acq: 31 Mar 2018 00:20

Tgt Ion:	225	Resp:	92856
Ion Ratio	Lower	Upper	
225	100		
223	63.1	32.0	96.0
227	63.8	32.6	98.0





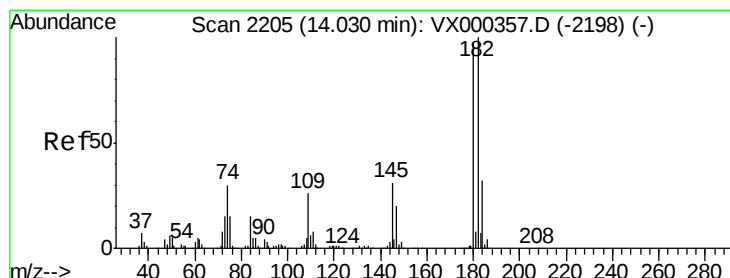
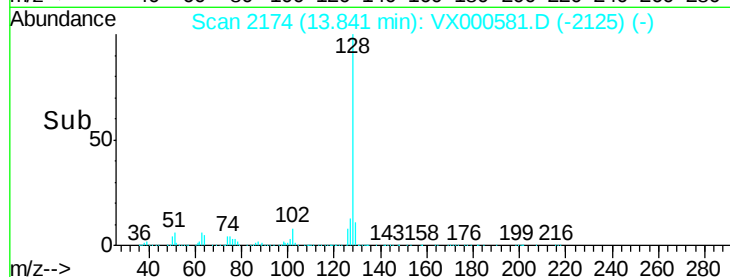
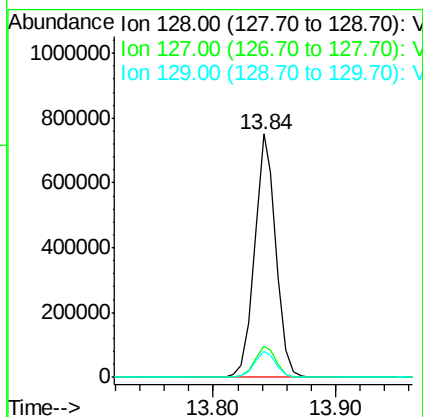
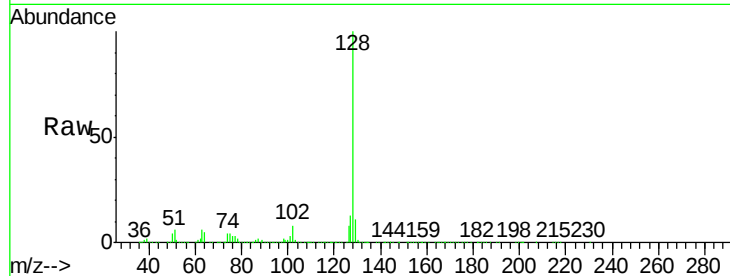
#95
Naphthalene
Concen: 52.830 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

sam
4/4/2018 10:29:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.833 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VX000581.D
Acq: 31 Mar 2018 00:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.4	142.3
145	30.8	15.8	47.3

