

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070218\
 Data File : VX003137.D
 Acq On : 02 Jul 2018 19:44
 Operator : JC/MD
 Sample : J3772-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MS

Manual Integrations
 APPROVED

sam
 7/3/2018 3:54:00 PM

Quant Time: Jul 03 07:54:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	274840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	380628	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	233722	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	178068	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
35) Dibromofluoromethane	5.51	113	149610	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.72	98	533088	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.14	95	205904	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	135518	55.26	ug/l	98
3) Chloromethane	1.32	50	148416	58.45	ug/l	100
4) Vinyl Chloride	1.40	62	167953	54.04	ug/l	99
5) Bromomethane	1.64	94	47214	31.54	ug/l	97
6) Chloroethane	1.72	64	104144	57.43	ug/l	99
7) Trichlorofluoromethane	1.93	101	250832	47.84	ug/l	99
8) Diethyl Ether	2.19	74	95984	50.36	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	139853	46.04	ug/l	96
10) Methyl Iodide	2.51	142	125525	41.90	ug/l	98
11) Tert butyl alcohol	3.09	59	199993	264.27	ug/l	99
12) 1,1-Dichloroethene	2.37	96	133976	49.43	ug/l	94
13) Acrolein	2.29	56	67848	163.21	ug/l	99
14) Allyl chloride	2.73	41	263207	49.26	ug/l	94
15) Acrylonitrile	3.15	53	429047	265.43	ug/l	99
16) Acetone	2.45	43	400663	254.68	ug/l	97
17) Carbon Disulfide	2.57	76	374617	51.87	ug/l	98
18) Methyl Acetate	2.78	43	217427	49.43	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	479259	49.18	ug/l	100
20) Methylene Chloride	2.86	84	151811	49.59	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	145393	49.25	ug/l	94
22) Diisopropyl ether	3.88	45	495314	48.50	ug/l	99
23) Vinyl Acetate	3.83	43	2201843	254.60	ug/l	98
24) 1,1-Dichloroethane	3.70	63	274370	49.43	ug/l	100
25) 2-Butanone	4.72	43	645619	276.52	ug/l	96
26) 2,2-Dichloropropane	4.59	77	175235	38.82	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	183496	55.44	ug/l	94
28) Bromochloromethane	5.03	49	128536	48.37	ug/l	91
29) Tetrahydrofuran	5.17	42	416379	278.10	ug/l	97
30) Chloroform	5.22	83	289207	50.77	ug/l	98
31) Cyclohexane	5.57	56	243284	51.07	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	256555	51.18	ug/l	98
36) 1,1-Dichloropropene	5.80	75	207281	49.66	ug/l	98
37) Ethyl Acetate	4.87	43	240834	53.59	ug/l	99
38) Carbon Tetrachloride	5.79	117	231892	50.63	ug/l	100

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sam
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Quant Time: Jul 03 07:54:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	234211	48.17	ug/l	98
40) Benzene	6.15	78	632093	52.12	ug/l	99
41) Methacrylonitrile	5.07	41	137939	53.30	ug/l	98
42) 1,2-Dichloroethane	6.20	62	236884	48.35	ug/l	99
43) Isopropyl Acetate	6.48	43	383065	50.82	ug/l	98
44) Trichloroethene	7.21	130	186027	51.45	ug/l	100
45) 1,2-Dichloropropane	7.52	63	162840	50.62	ug/l	98
46) Dibromomethane	7.67	93	112663	50.46	ug/l	95
47) Bromodichloromethane	7.90	83	216642	52.49	ug/l	99
48) Methyl methacrylate	7.79	41	205239	52.85	ug/l	95
49) 1,4-Dioxane	7.76	88	86895	1150.01	ug/l #	91
51) 4-Methyl-2-Pentanone	8.66	43	1300461	275.76	ug/l	98
52) Toluene	8.79	92	400915	51.60	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	242380	51.85	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	229440	51.01	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	165682	51.90	ug/l	98
56) Ethyl methacrylate	9.19	69	254801	54.61	ug/l	94
57) 1,3-Dichloropropane	9.38	76	268874	51.28	ug/l	100
59) 2-Hexanone	9.50	43	1013197	282.69	ug/l	96
60) Dibromochloromethane	9.59	129	181596	54.03	ug/l	100
61) 1,2-Dibromoethane	9.68	107	179462	53.59	ug/l	100
64) Tetrachloroethene	9.34	164	176442	43.84	ug/l	99
65) Chlorobenzene	10.14	112	461493	50.20	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	174457	52.24	ug/l	100
67) Ethyl Benzene	10.26	91	783430	51.58	ug/l	99
68) m/p-Xylenes	10.36	106	616088	105.26	ug/l	98
69) o-Xylene	10.70	106	296649	52.05	ug/l	98
70) Stvrene	10.71	104	501462	54.15	ug/l	98
71) Bromoform	10.86	173	147971	49.11	ug/l	100
73) Isopropylbenzene	11.02	105	800875	50.94	ug/l	99
74) N-amyl acetate	6.48	43	383065	49.79	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	256213	52.90	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	249898m	59.03	ug/l	
77) Bromobenzene	11.26	156	228518	51.04	ug/l	95
78) n-propylbenzene	11.37	91	904073	50.51	ug/l	98
79) 2-Chlorotoluene	11.43	91	540032	49.84	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	676040	51.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	66353	45.78	ug/l	98
82) 4-Chlorotoluene	11.51	91	628496	49.00	ug/l	98
83) tert-Butylbenzene	11.77	119	682639	52.30	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	693036	50.51	ug/l	98
85) sec-Butylbenzene	11.95	105	793359	50.11	ug/l	99
86) p-Isopropyltoluene	12.07	119	725841	50.99	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	411269	50.29	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	418714	49.75	ug/l	99
89) n-Butylbenzene	12.39	91	592514	47.82	ug/l	99
90) Hexachloroethane	12.60	117	116453	55.00	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	410694	49.76	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	61246	56.25	ug/l	94
93) 1,2,4-Trichlorobenzene	13.65	180	302900	50.42	ug/l	99

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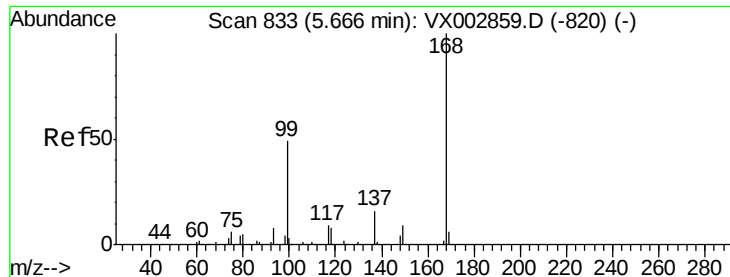
Manual Integrations
APPROVED

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7/3/2018 3:54:00 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	144055	48.08	ug/l	99
95) Naphthalene	13.84	128	893207	55.83	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	312238	52.04	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MS

Tot Ion:168 Resp: 274840

Ion Ratio Lower Upper

168 100

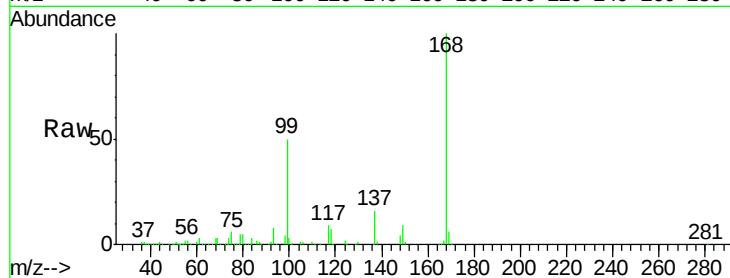
99 49.6 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

40000

20000

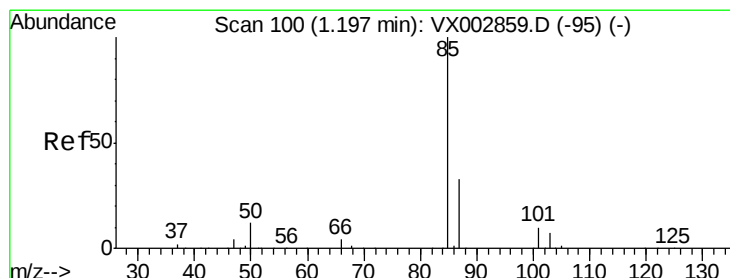
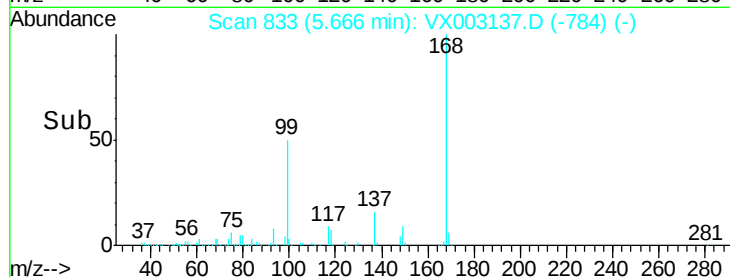
0

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 55.26 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003137.D

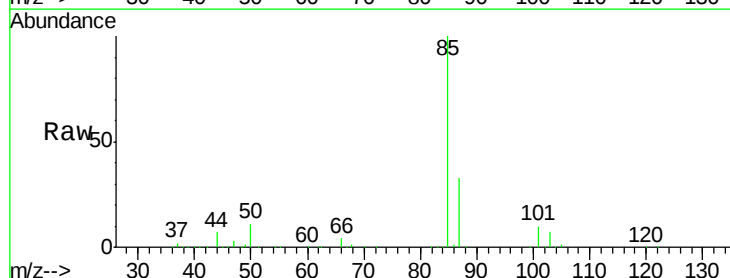
Acq: 02 Jul 2018 19:44

Tgt Ion: 85 Resp: 135518

Ion Ratio Lower Upper

85 100

87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

100000

50000

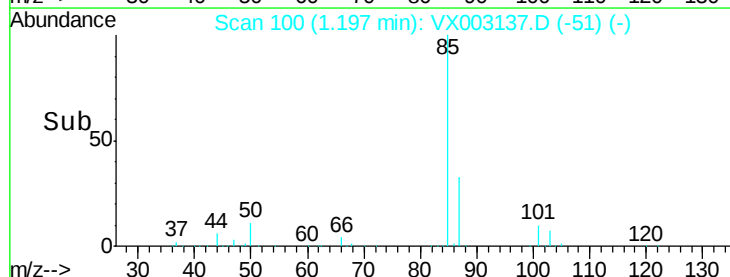
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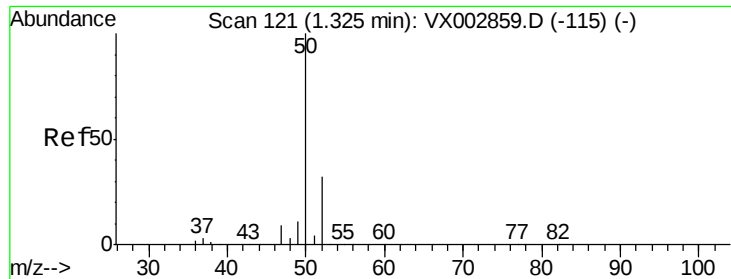
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 58.45 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MS

Tot Ion: 50 Resp: 148416

Ion Ratio Lower Upper

50 100

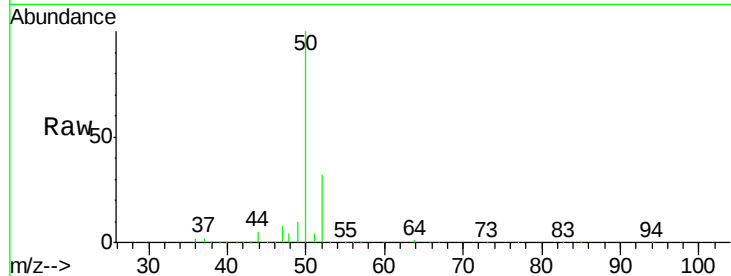
52 31.8 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

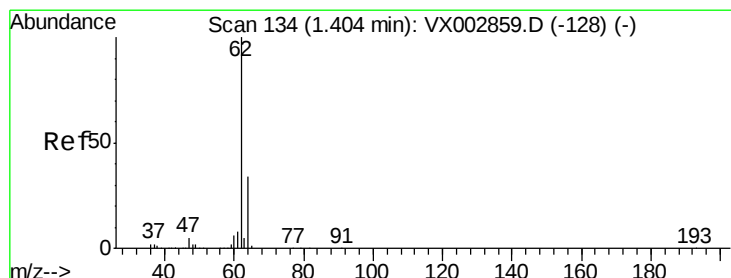
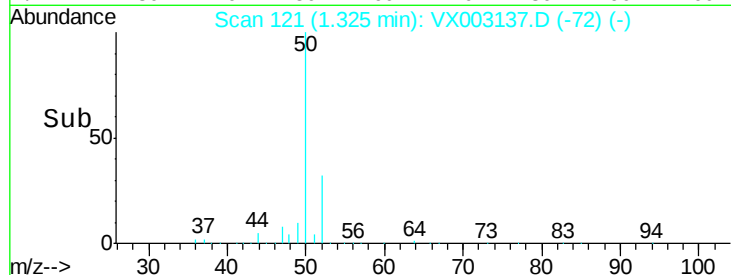
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 54.04 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003137.D

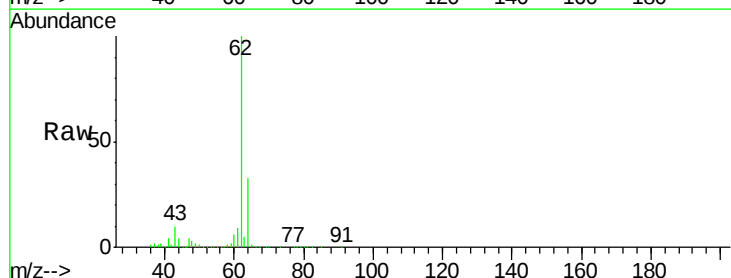
Acq: 02 Jul 2018 19:44

Tgt Ion: 62 Resp: 167953

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

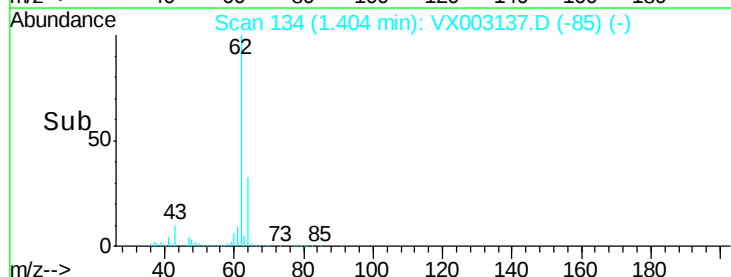
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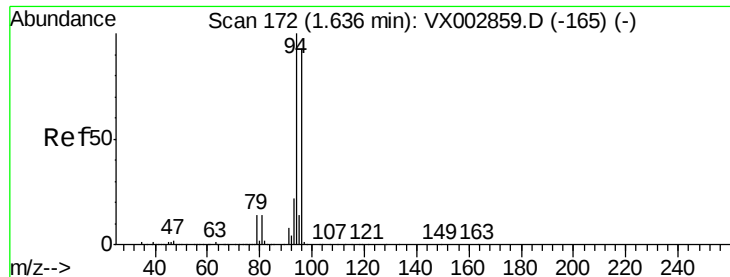
100000

50000

0

Time-->





#5

Bromomethane

Concen: 31.54 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MS

Tot Ion: 94 Resp: 47214

Ion Ratio Lower Upper

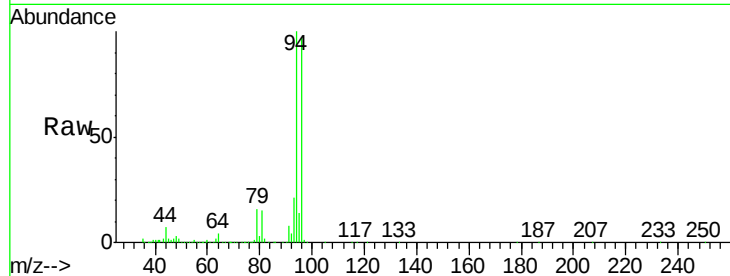
94 100

96 96.8 74.9 112.3

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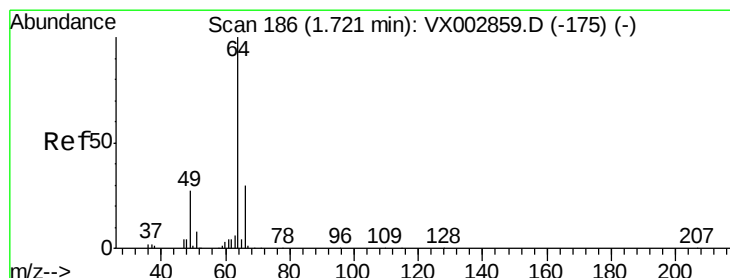
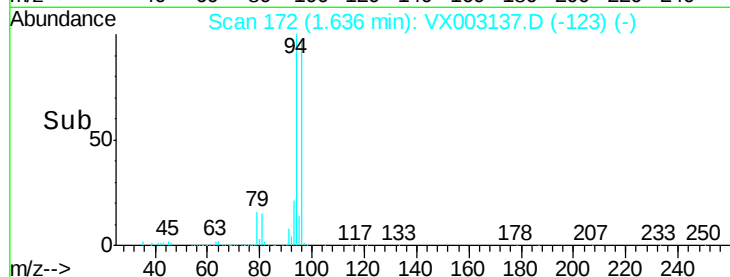
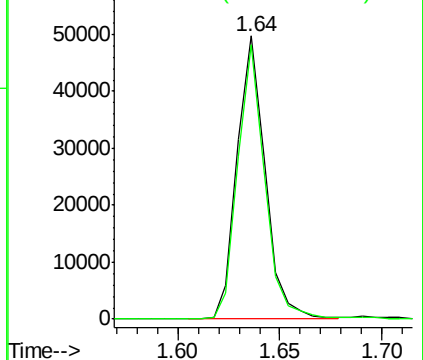
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 57.43 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003137.D

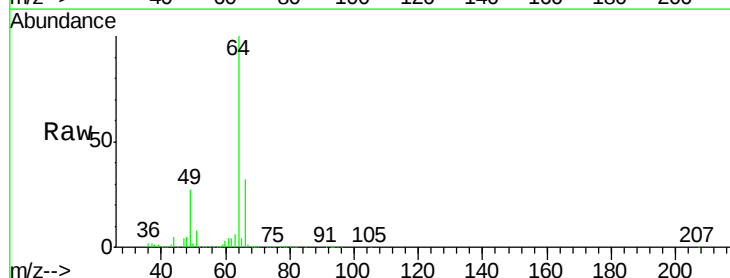
Acq: 02 Jul 2018 19:44

Tgt Ion: 64 Resp: 104144

Ion Ratio Lower Upper

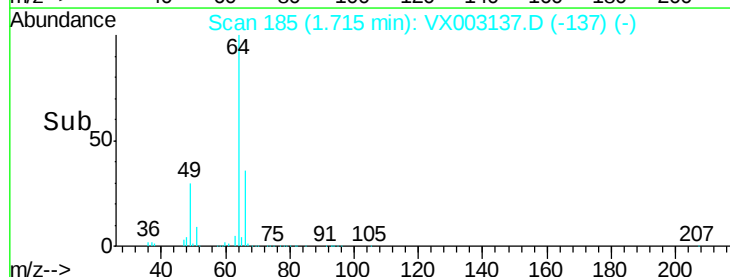
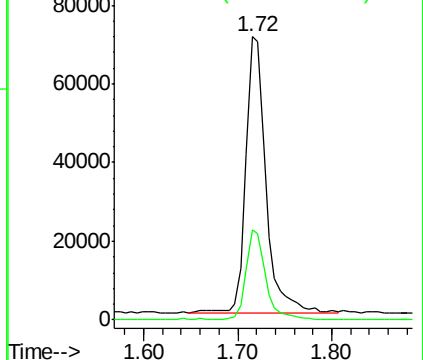
64 100

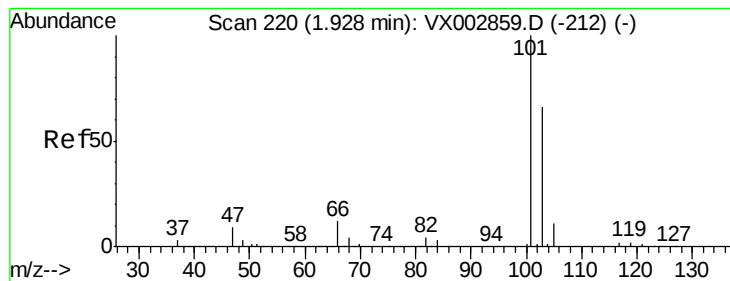
66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

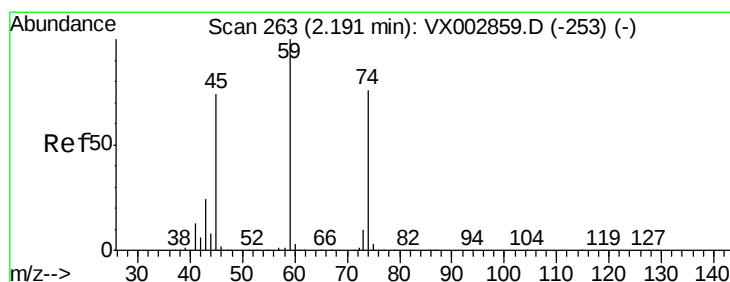
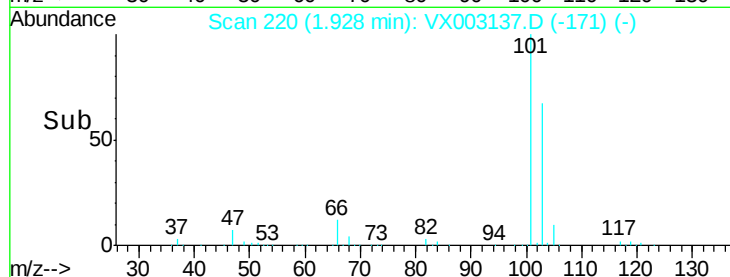
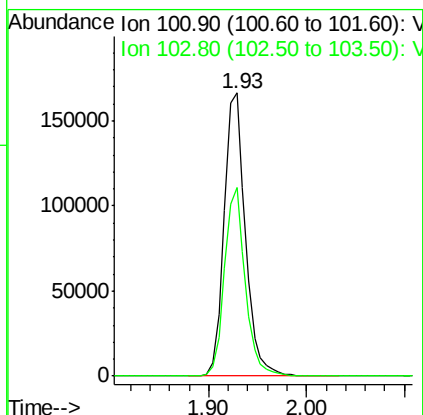
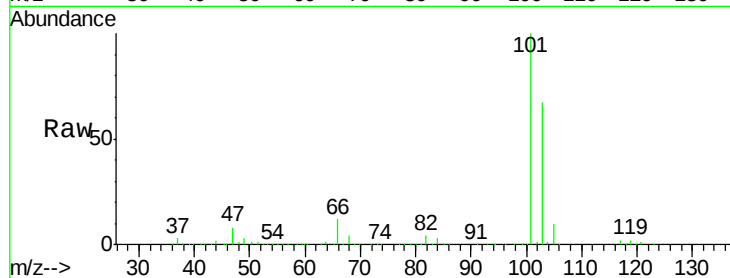
Trichlorofluoromethane
Concen: 47.84 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

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SP18-MMW-3414MS

Tot Ion:101 Resp: 250832
Ion Ratio Lower Upper
101 100
103 66.7 52.8 79.2

Manual Integrations
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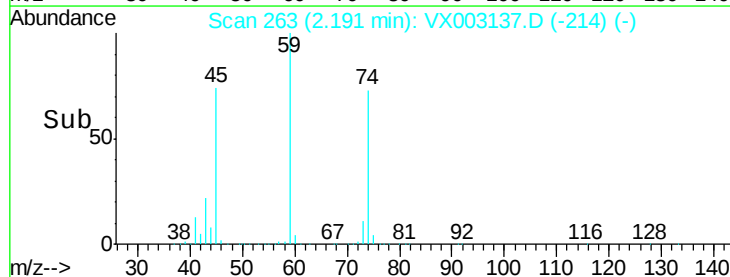
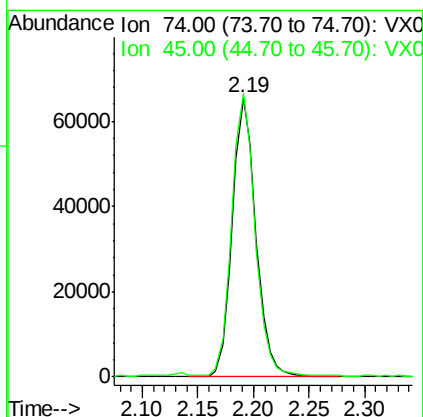
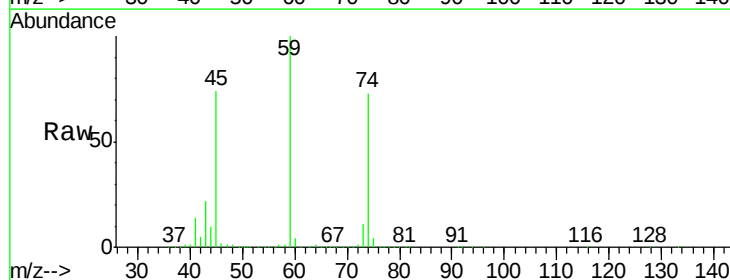
sam
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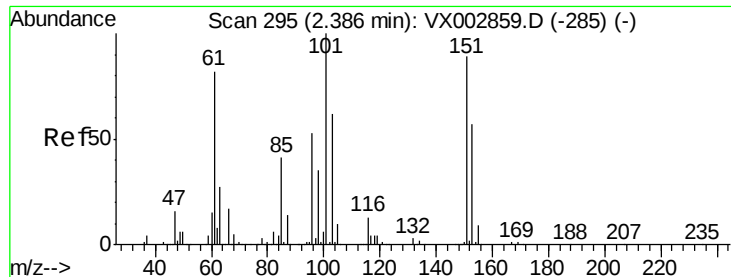


#8

Diethyl Ether
Concen: 50.36 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion: 74 Resp: 95984
Ion Ratio Lower Upper
74 100
45 100.4 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.04 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

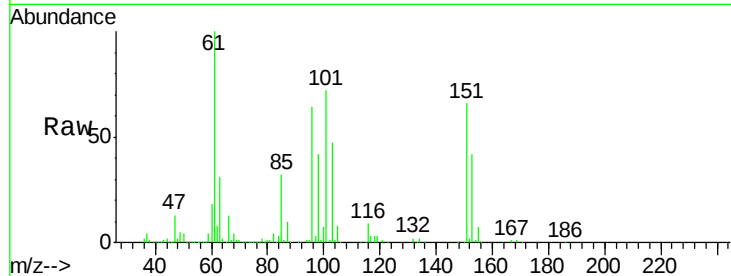
ClientSampleId :

SP18-MMW-3414MS

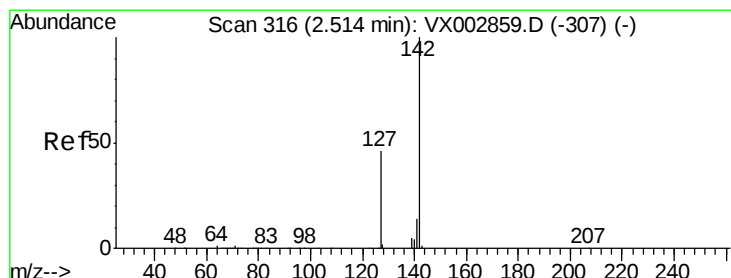
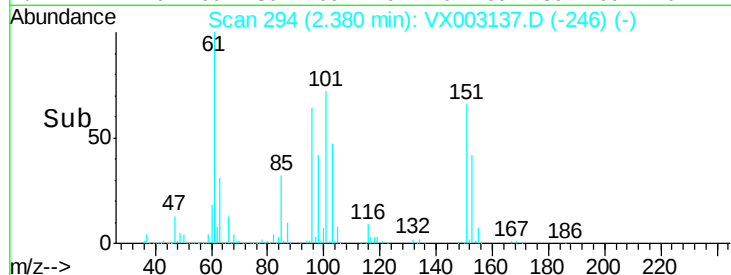
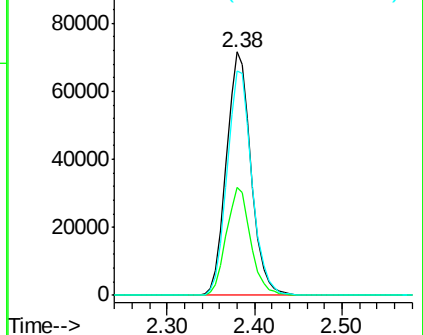
Tot Ion:	101	Resp:	139853
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.0	54.0
151	93.3	70.9	106.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.90 ug/l

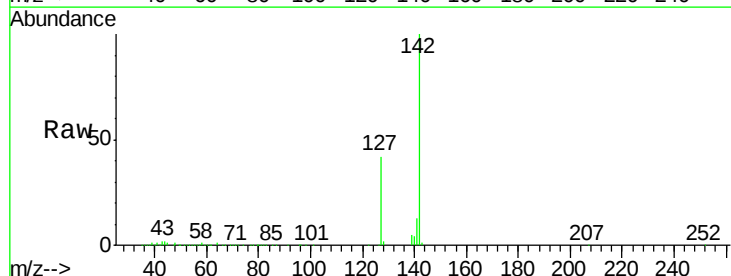
RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

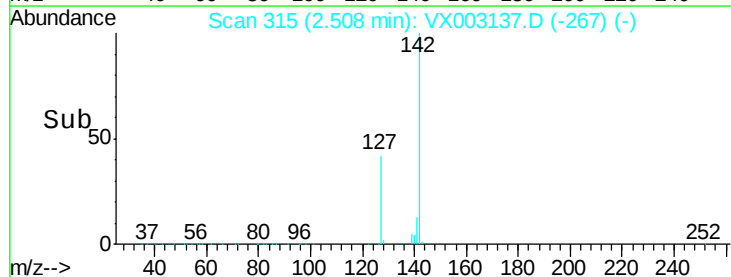
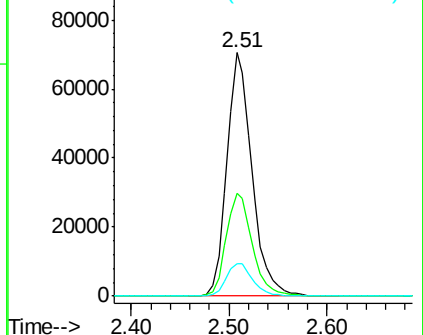
Lab File: VX003137.D

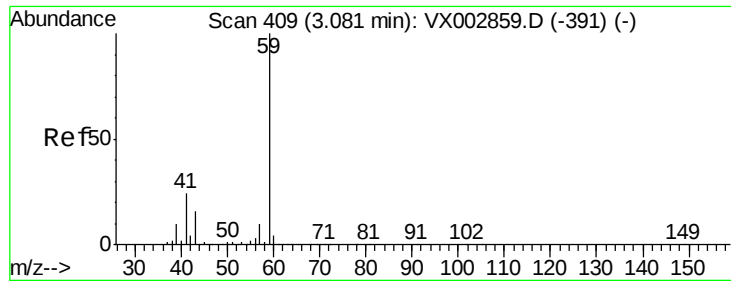
Acq: 02 Jul 2018 19:44

Tgt Ion:	142	Resp:	125525
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.6	55.0
141	14.2	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

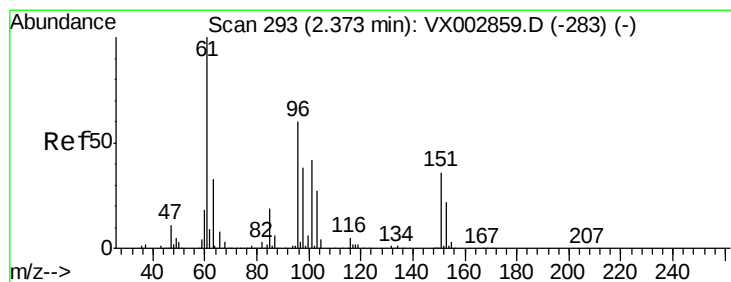
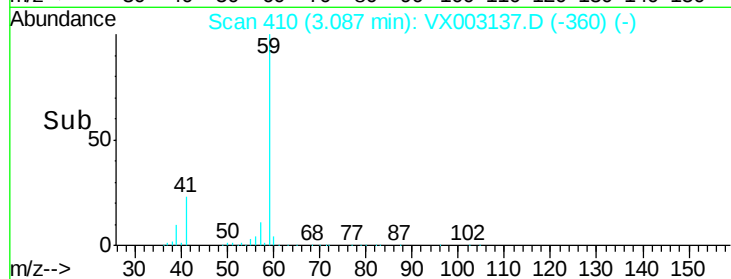
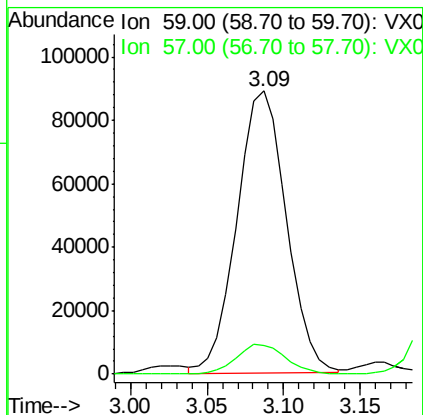
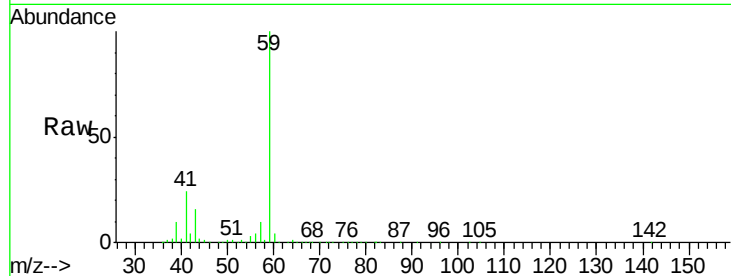
Tert butyl alcohol
Concen: 264.27 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

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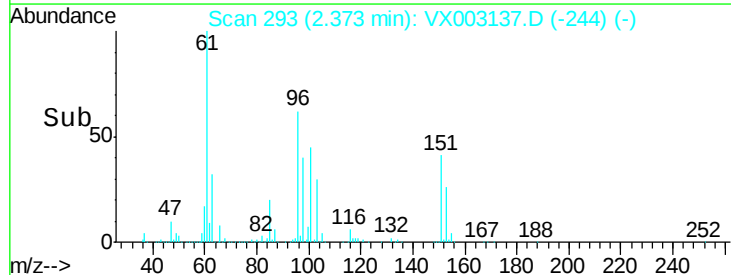
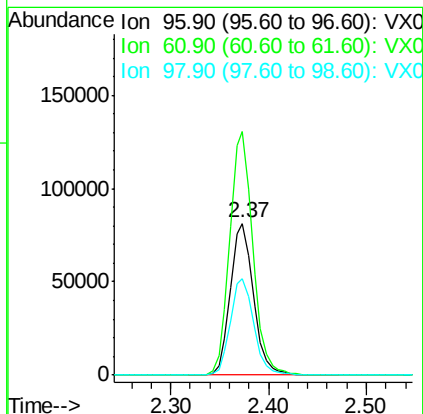
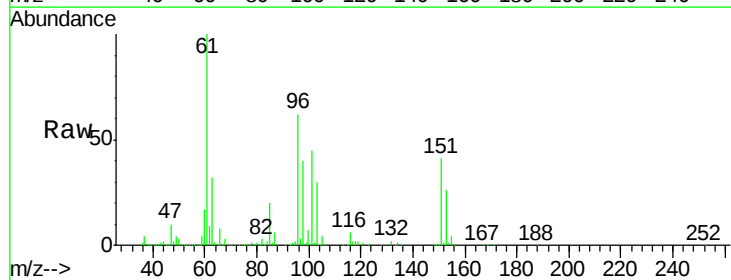
sam
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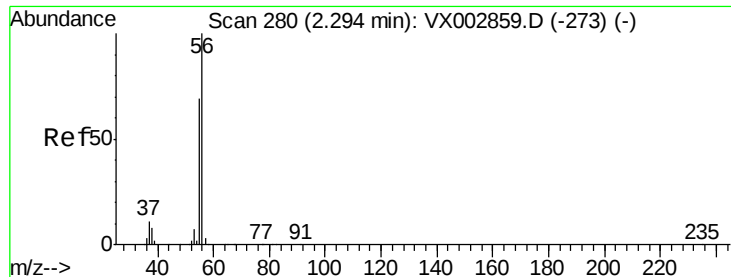


#12

1,1-Dichloroethene
Concen: 49.43 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	137.9	206.9
98	64.0	51.6	77.4





#13

Acrolein

Concen: 163.21 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MS

Tot Ion: 56 Resp: 67848

Ion Ratio Lower Upper

56 100

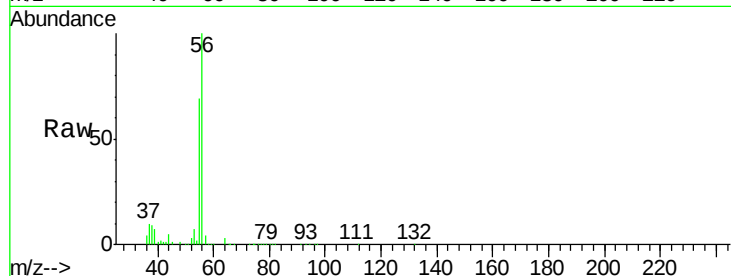
55 70.0 57.0 85.4

Manual Integrations

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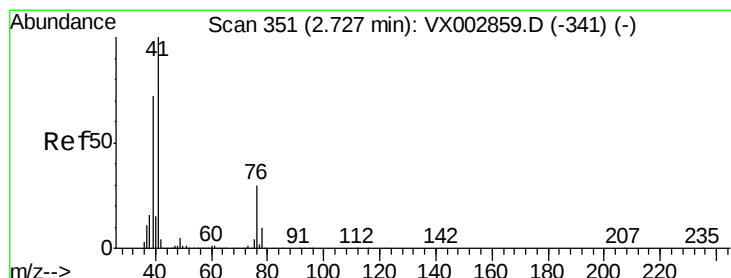
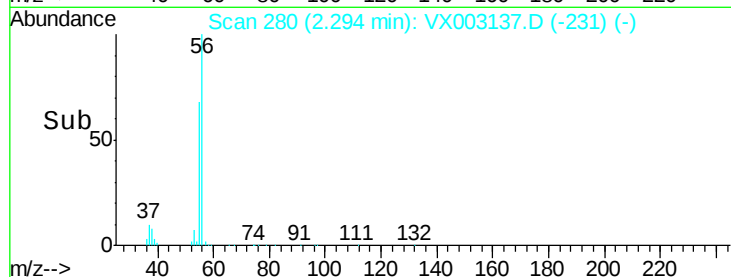
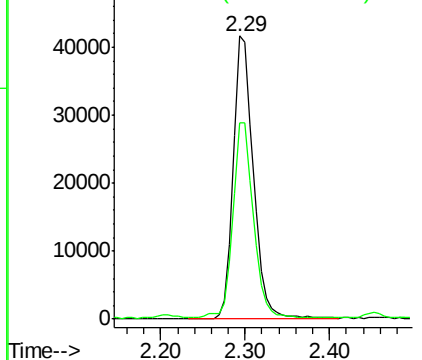
sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.26 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

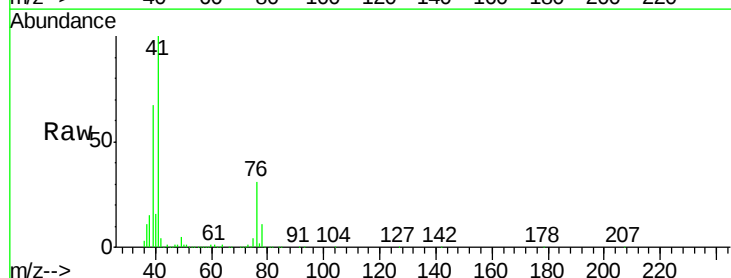
Tgt Ion: 41 Resp: 263207

Ion Ratio Lower Upper

41 100

39 64.9 56.8 85.2

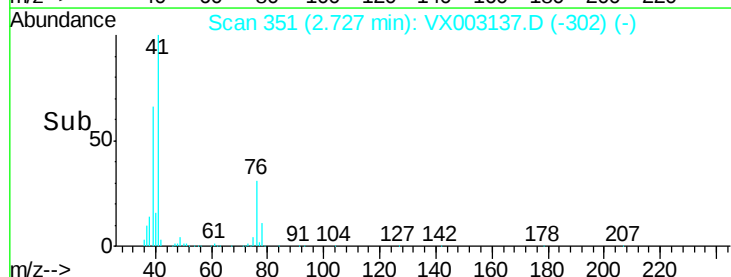
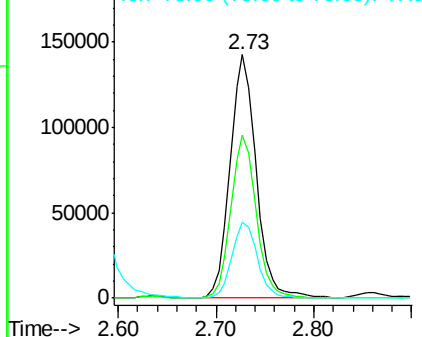
76 30.6 23.8 35.8

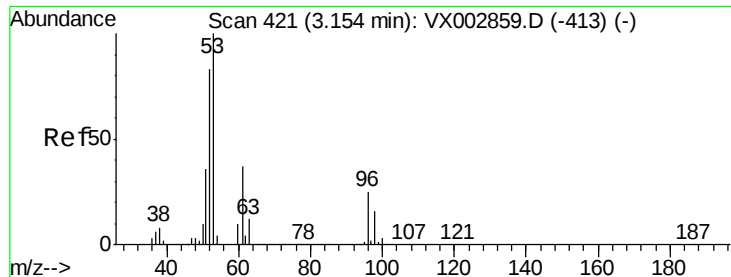


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 265.43 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

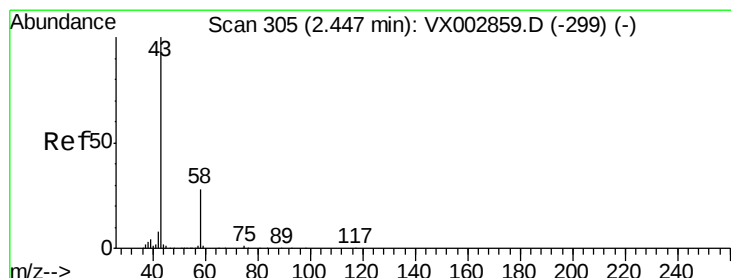
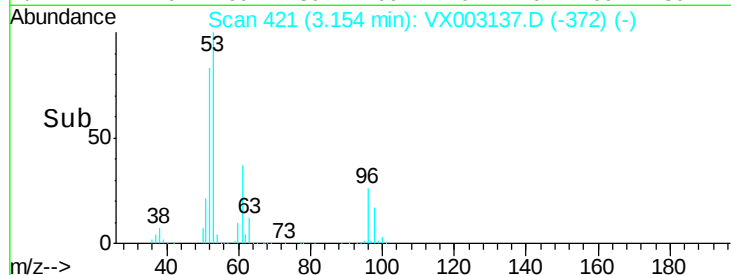
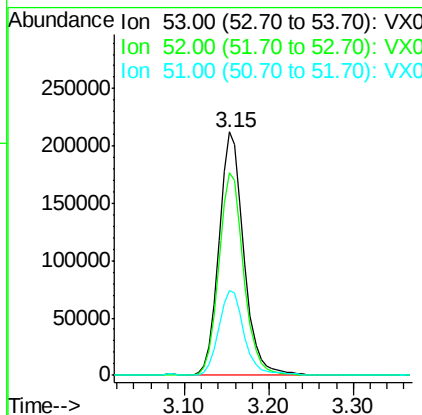
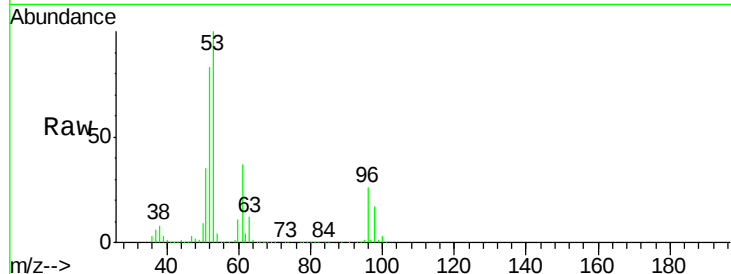
ClientSampleId :

SP18-MMW-3414MS

Tot Ion:	53	Resp:	429047
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.7	100.1
51	36.0	29.9	44.9

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#16

Acetone

Concen: 254.68 ug/l

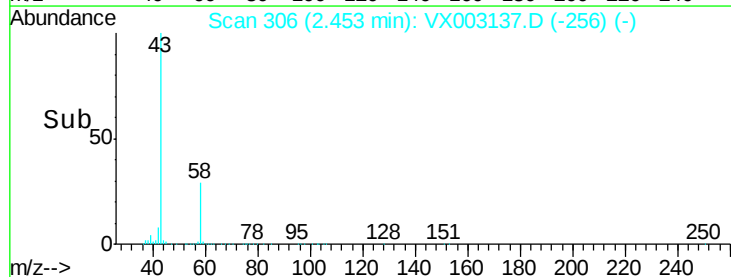
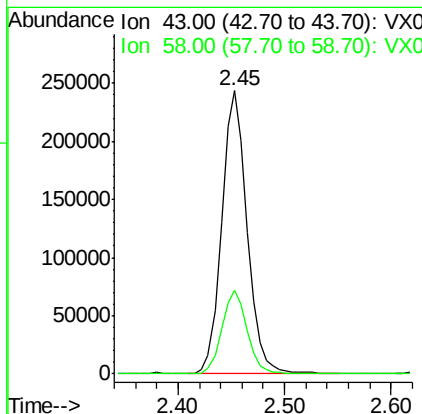
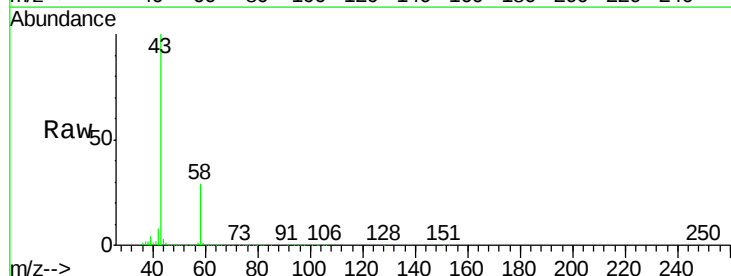
RT: 2.45 min Scan# 306

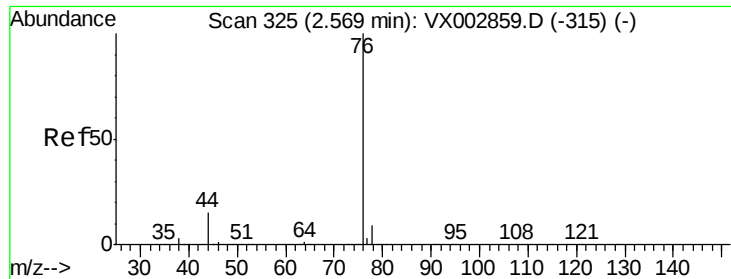
Delta R.T. 0.01 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Tgt Ion:	43	Resp:	400663
Ion Ratio	Lower	Upper	
43	100		
58	29.4	22.1	33.1





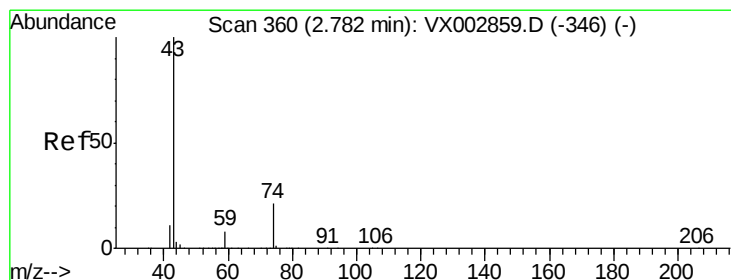
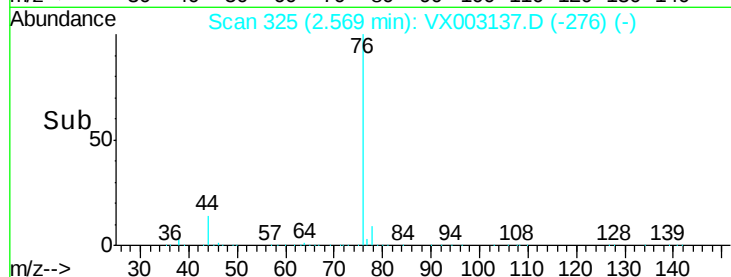
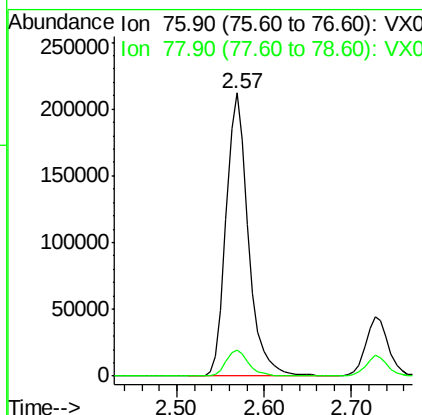
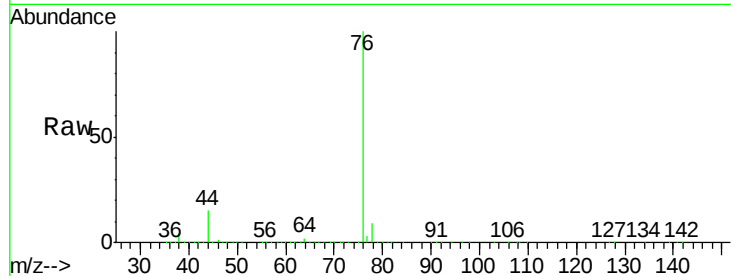
#17
Carbon Disulfide
Concen: 51.87 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

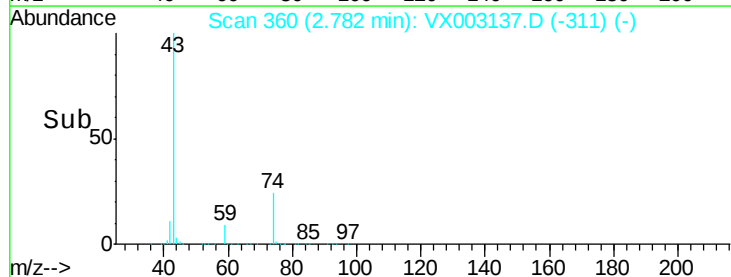
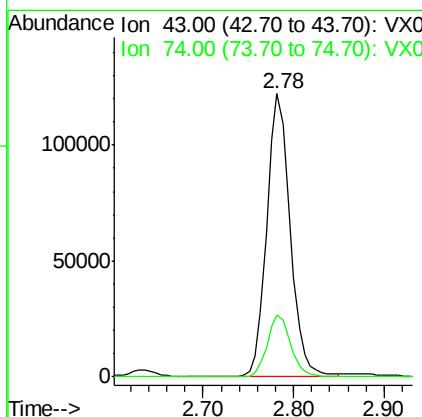
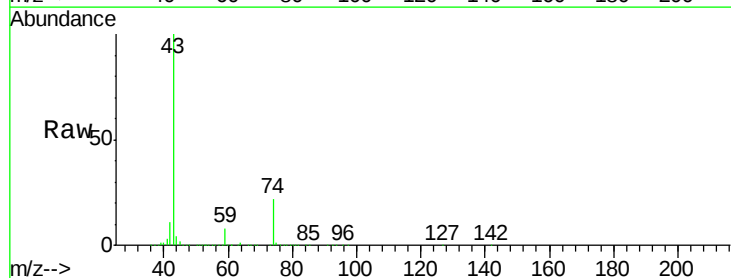
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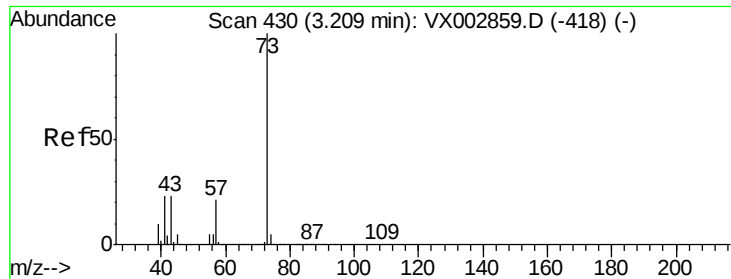
sam
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#18
Methyl Acetate
Concen: 49.43 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.7	25.1





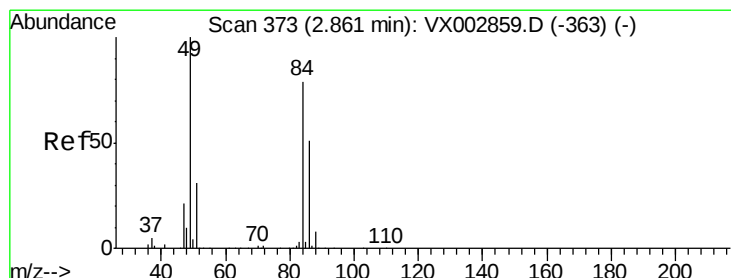
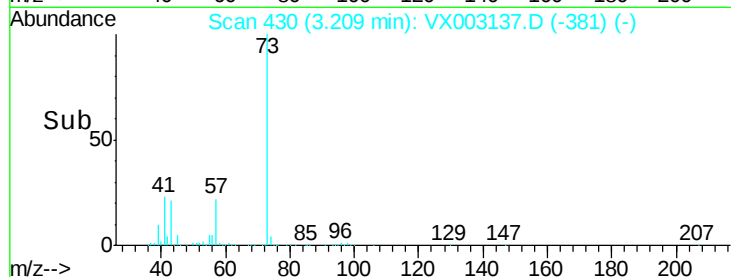
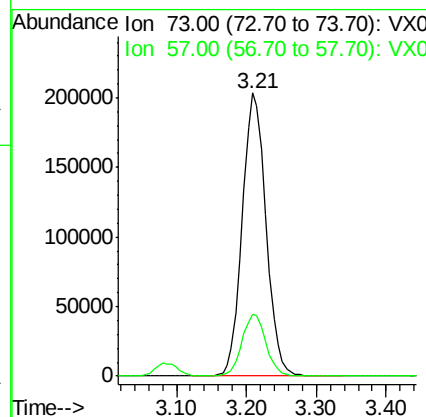
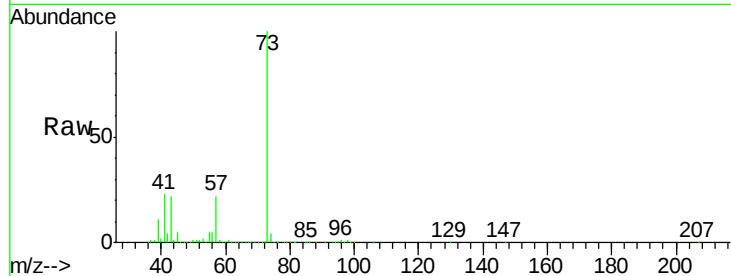
#19
Methvl tert-butvl Ether
Concen: 49.18 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion: 73 Resp: 479259
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5

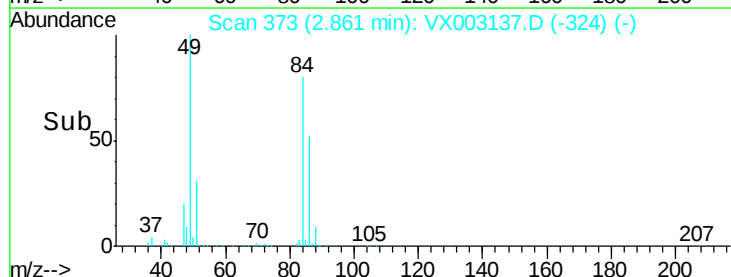
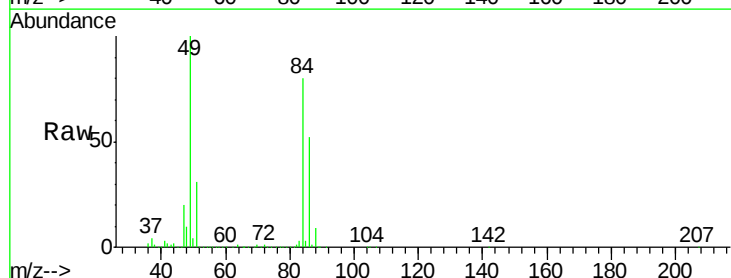
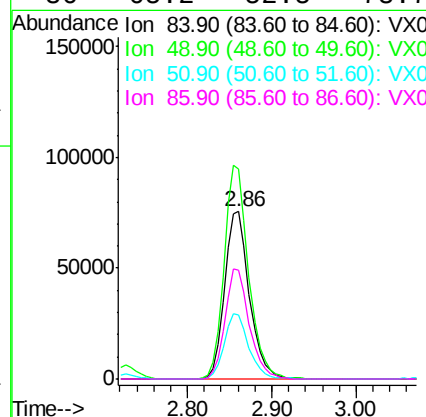
Manual Integrations
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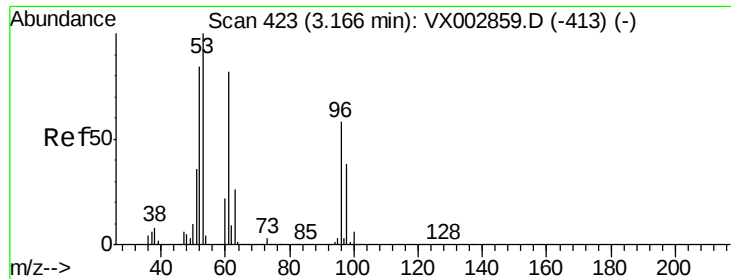
sam
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#20
Methylene Chloride
Concen: 49.59 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion: 84 Resp: 151811
Ion Ratio Lower Upper
84 100
49 125.3 107.8 161.6
51 38.3 32.8 49.2
86 65.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.25 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

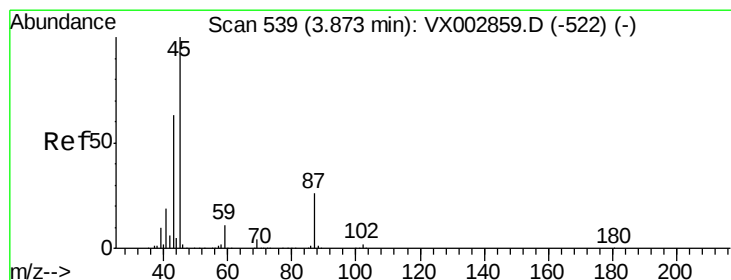
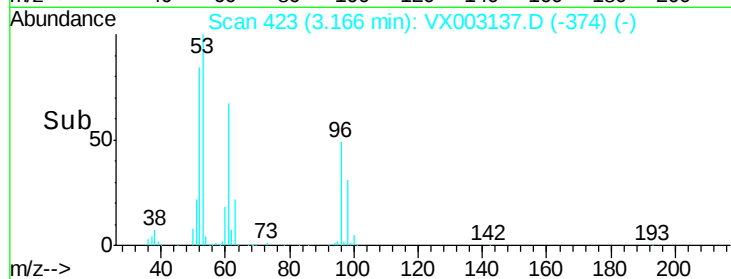
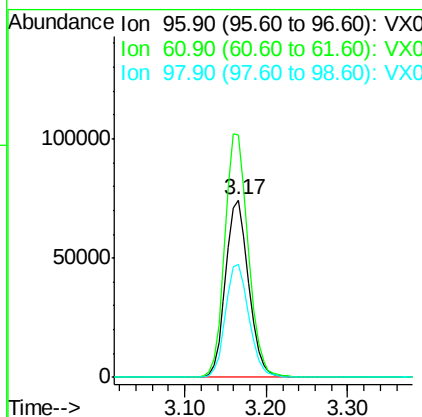
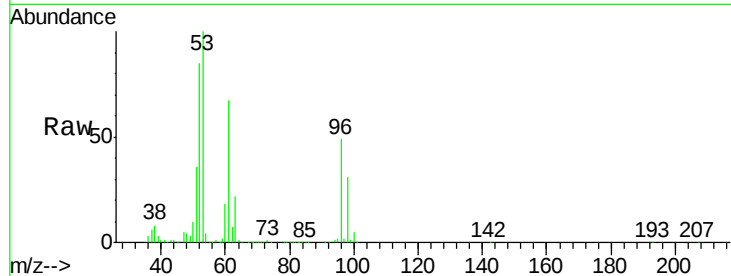
ClientSampleId :

SP18-MMW-3414MS

Tot Ion:	96	Resp:	145393
Ion	Ratio	Lower	Upper
96	100		
61	136.3	117.0	175.4
98	63.5	52.4	78.6

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#22

Diisopropyl ether

Concen: 48.50 ug/l

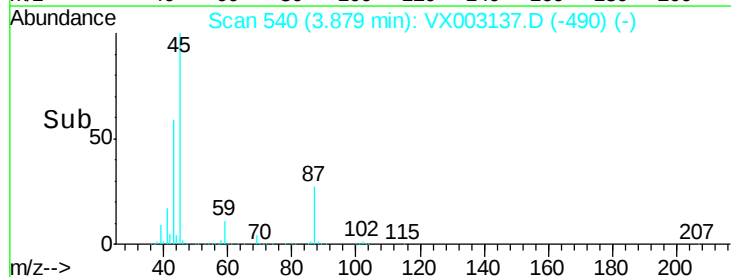
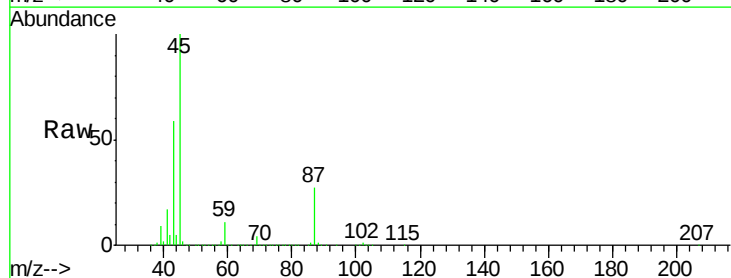
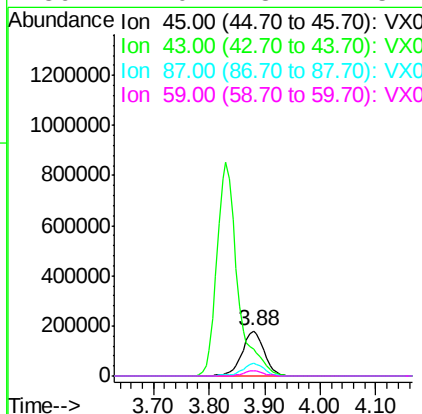
RT: 3.88 min Scan# 540

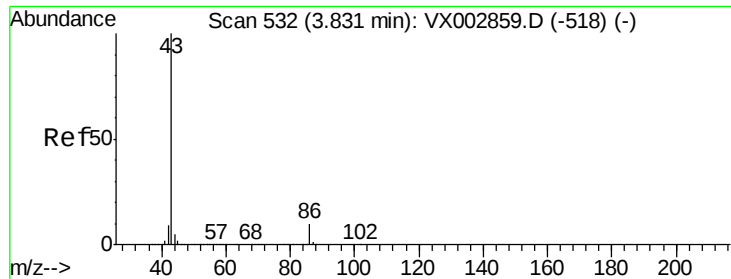
Delta R.T. 0.01 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Tgt Ion:	45	Resp:	495314
Ion	Ratio	Lower	Upper
45	100		
43	58.5	46.8	70.2
87	27.3	20.2	30.4
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 254.60 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MS

Tot Ion: 43 Resp: 2201843

Ion Ratio Lower Upper

43 100

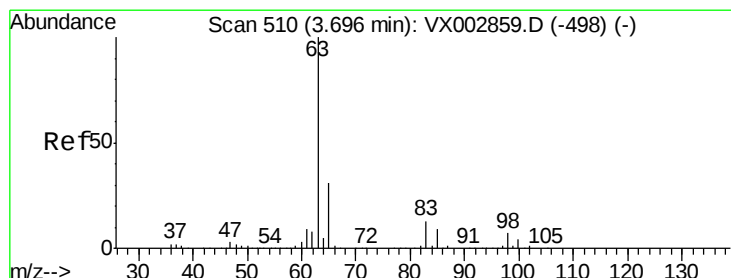
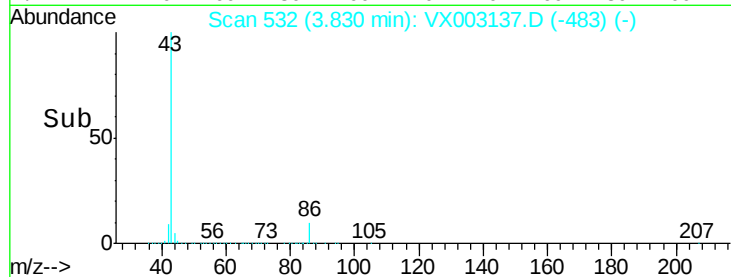
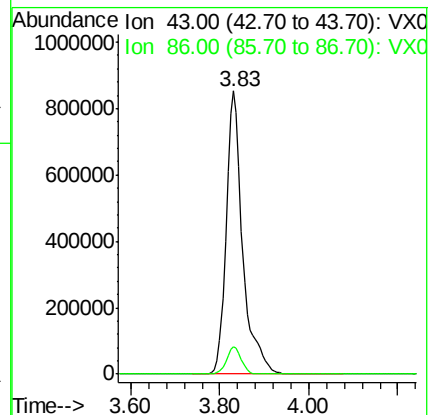
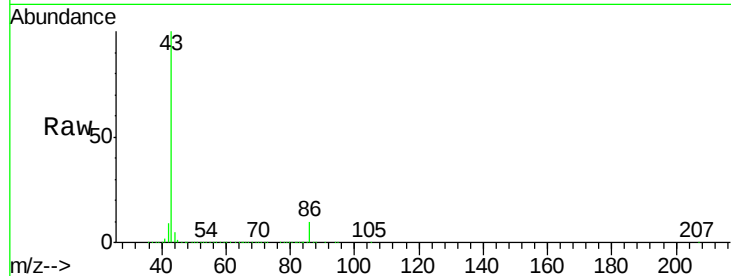
86 9.8 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.43 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

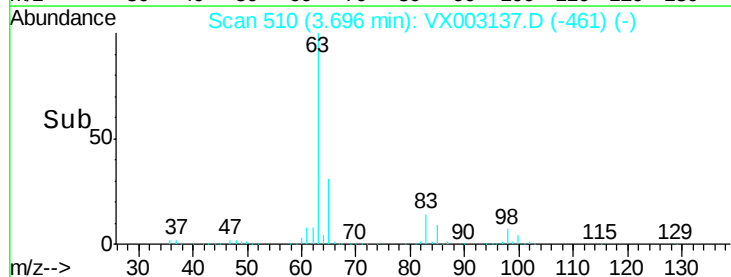
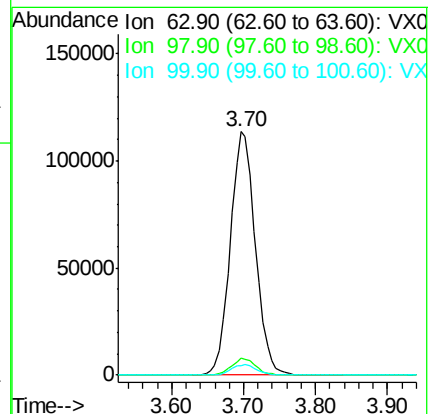
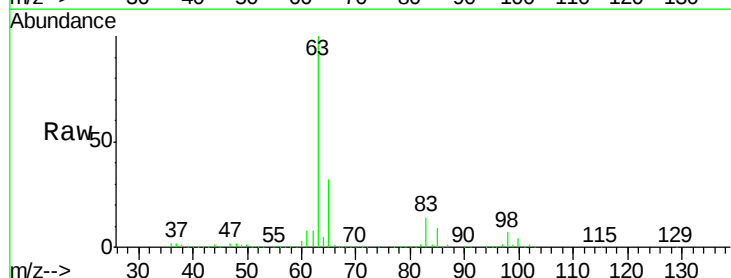
Tgt Ion: 63 Resp: 274370

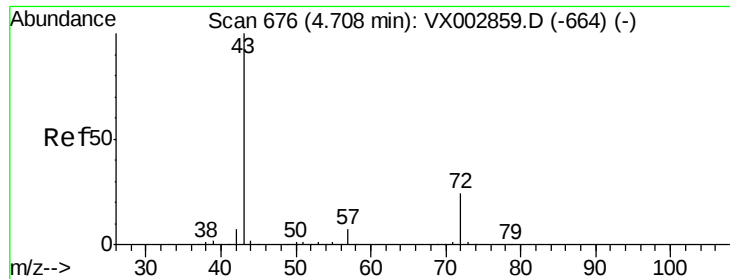
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 276.52 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Tot Ion: 43 Resp: 645619

Ion Ratio Lower Upper

43 100

72 24.8 18.5 27.7

Instrument :

MSVOA_X

ClientSampleId :

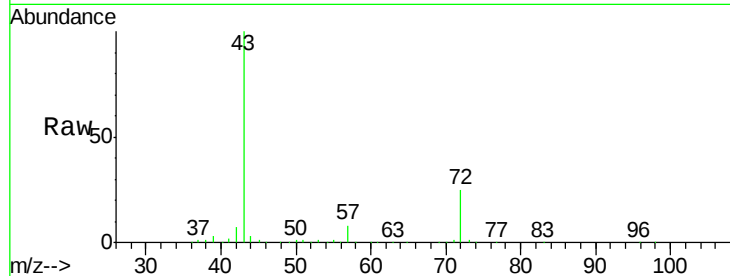
SP18-MMW-3414MS

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

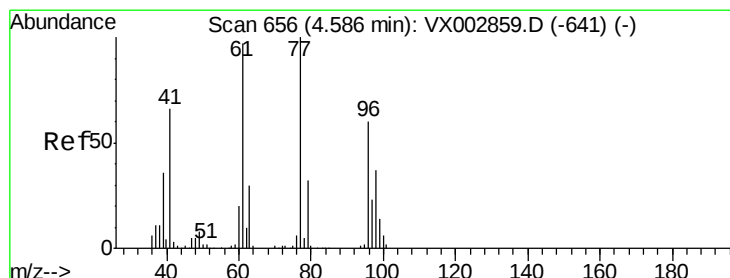
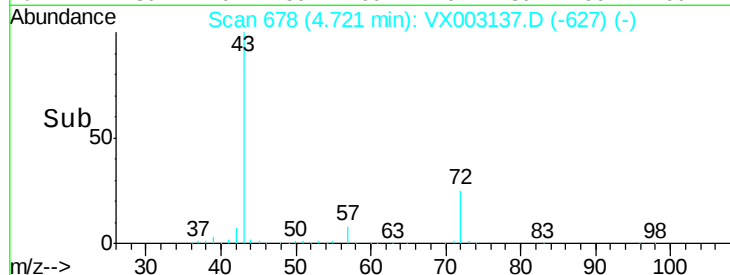
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 38.82 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003137.D

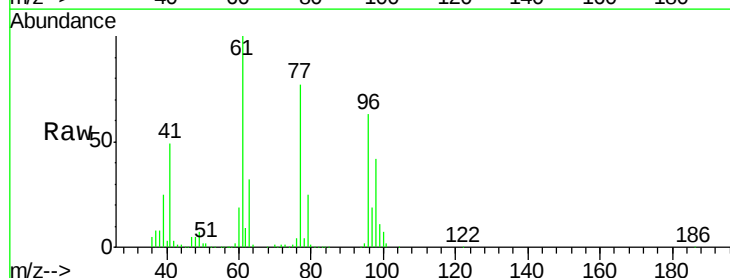
Acq: 02 Jul 2018 19:44

Tgt Ion: 77 Resp: 175235

Ion Ratio Lower Upper

77 100

97 24.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

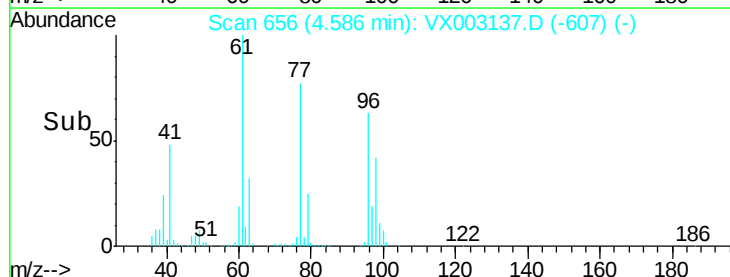
20000

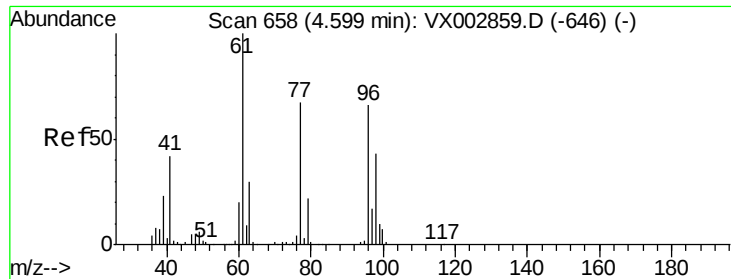
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 55.44 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

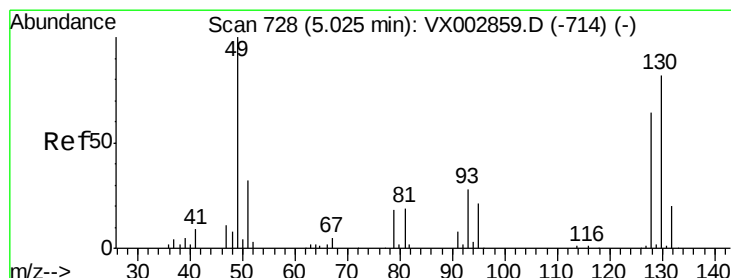
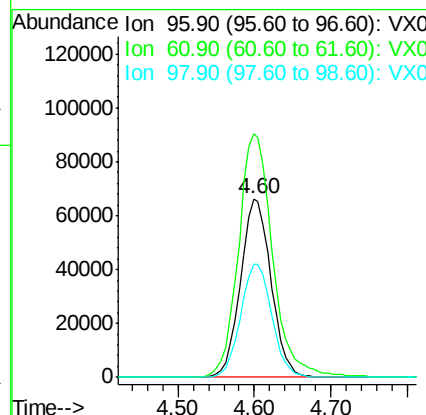
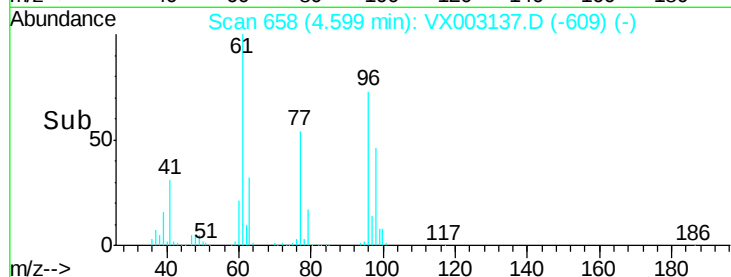
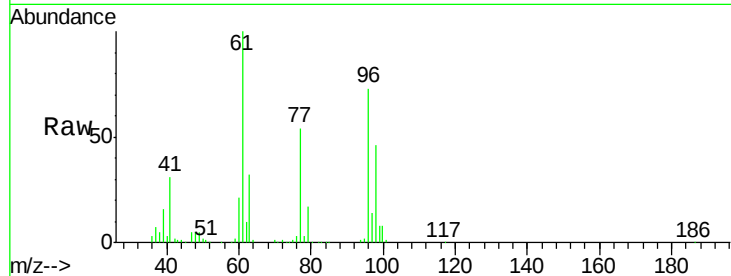
ClientSampleId :

SP18-MMW-3414MS

Tot Ion:	96	Resp:	183496
Ion	Ratio	Lower	Upper
96	100		
61	153.3	0.0	330.2
98	64.9	0.0	130.2

Manual Integrations
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sam
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#28

Bromochloromethane

Concen: 48.37 ug/l

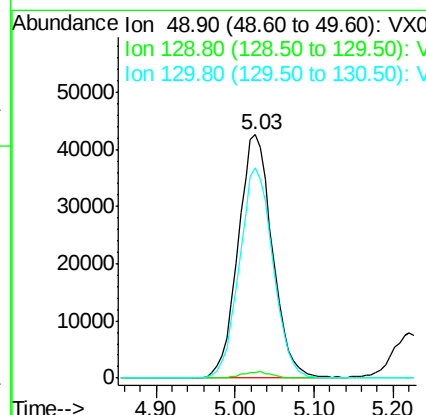
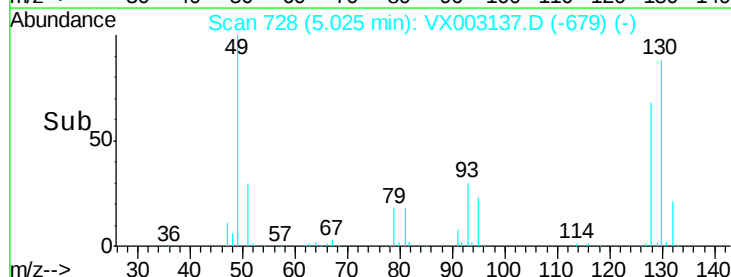
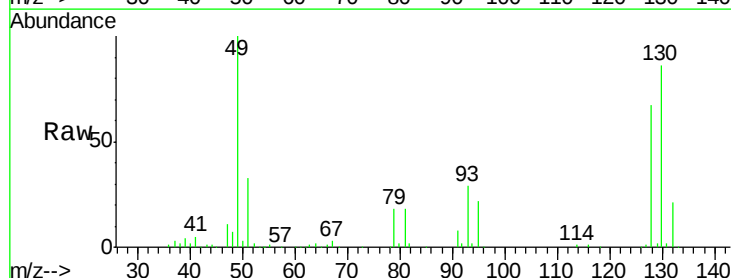
RT: 5.03 min Scan# 728

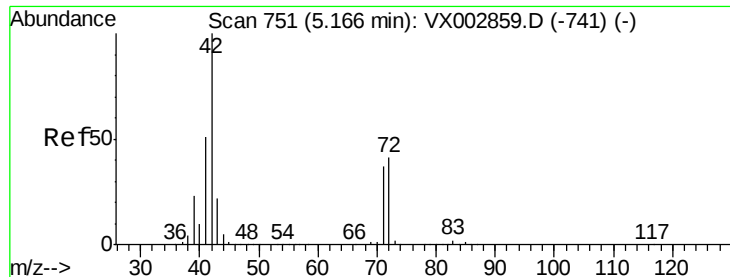
Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Tgt Ion:	49	Resp:	128536
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	84.8	61.2	91.8





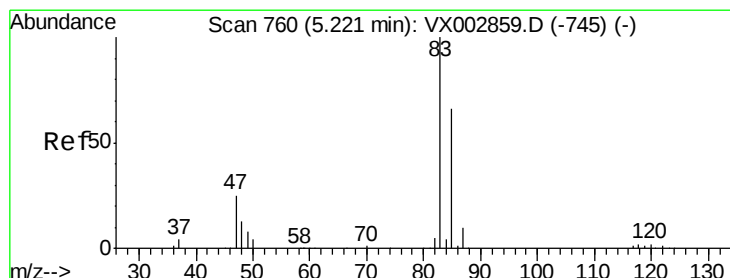
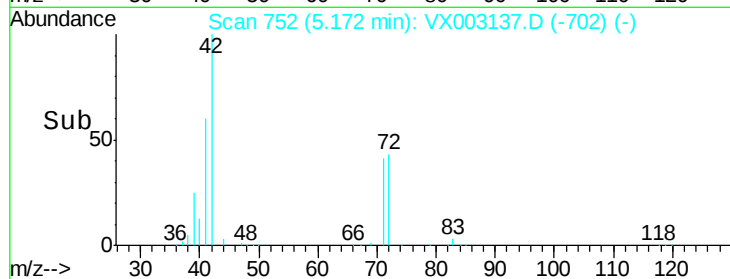
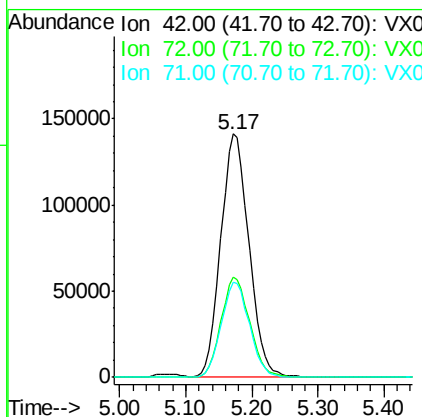
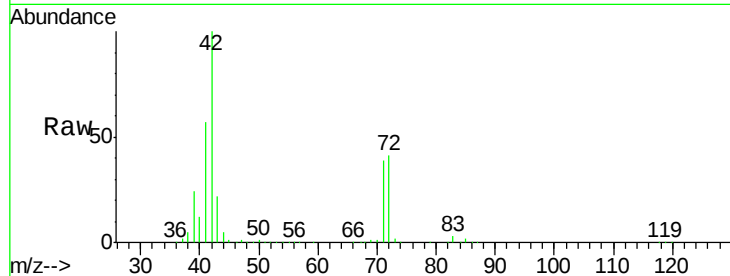
#29
Tetrahydrofuran
Concen: 278.10 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.0	48.0
71	39.4	30.1	45.1

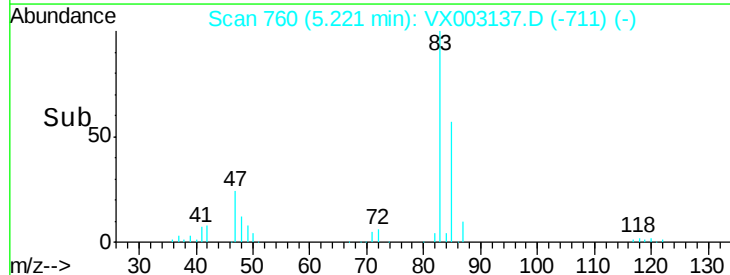
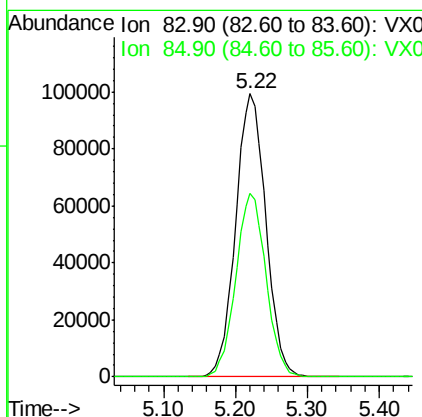
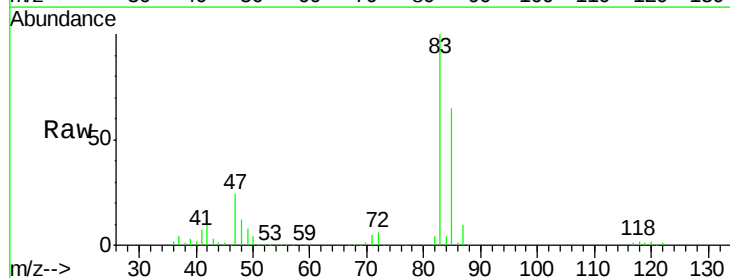
Manual Integrations
APPROVED

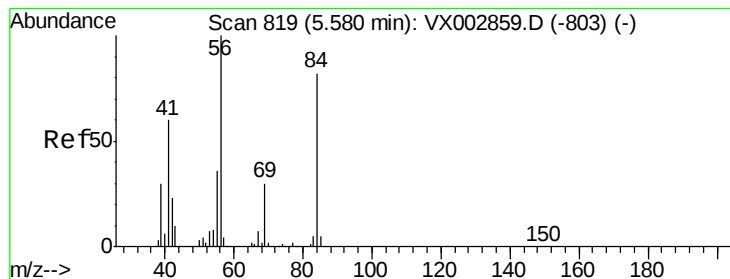
sam
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#30
Chloroform
Concen: 50.77 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.4	75.6





#31

Cyclohexane

Concen: 51.07 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

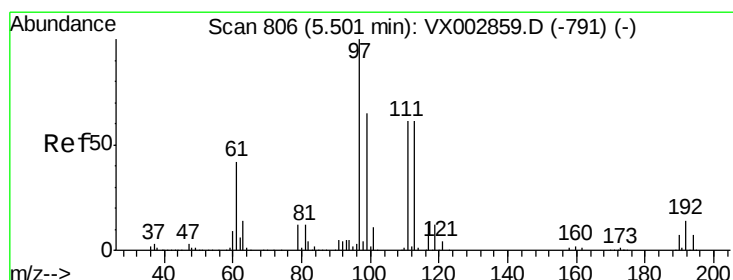
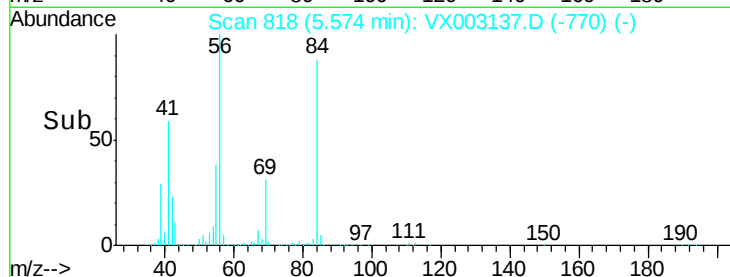
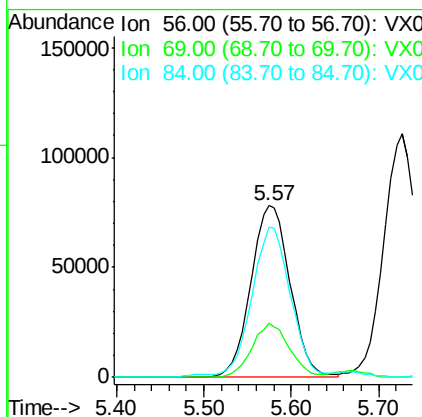
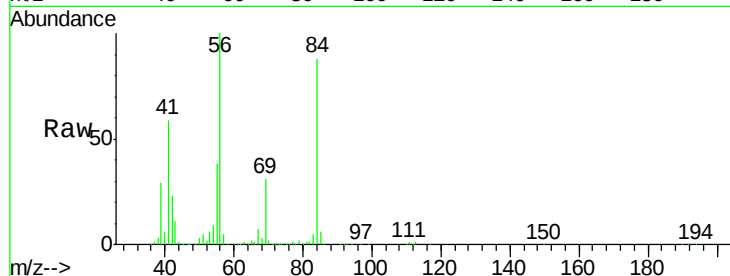
ClientSampleId :

SP18-MMW-3414MS

Tot Ion:	56	Resp:	243284
Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.7	35.5
84	86.9	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.18 ug/l

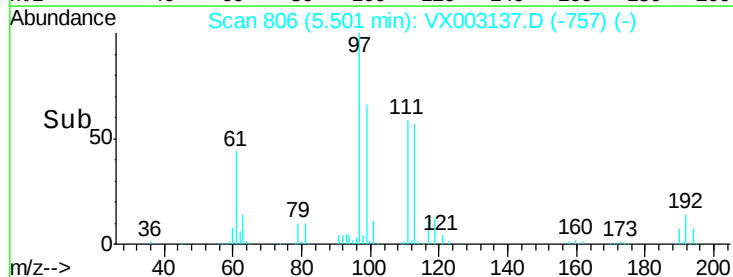
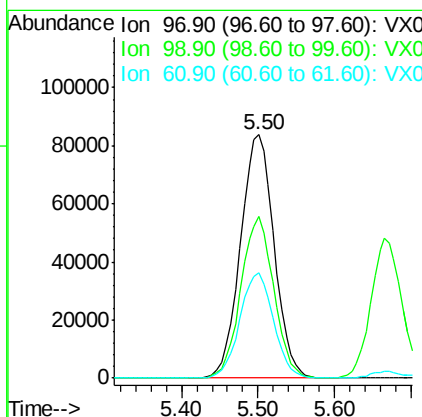
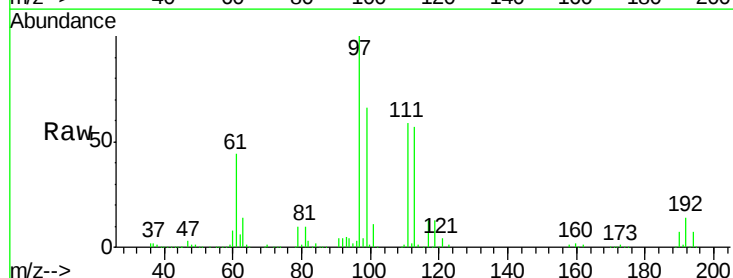
RT: 5.50 min Scan# 806

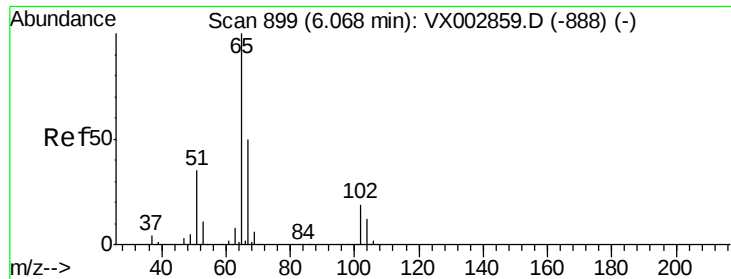
Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Tgt Ion:	97	Resp:	256555
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	43.3	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 46.87 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MS

Tot Ion: 65 Resp: 178068

Ion Ratio Lower Upper

65 100

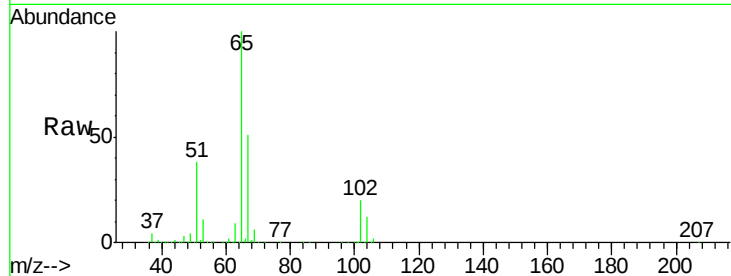
67 51.9 0.0 102.6

Manual Integrations

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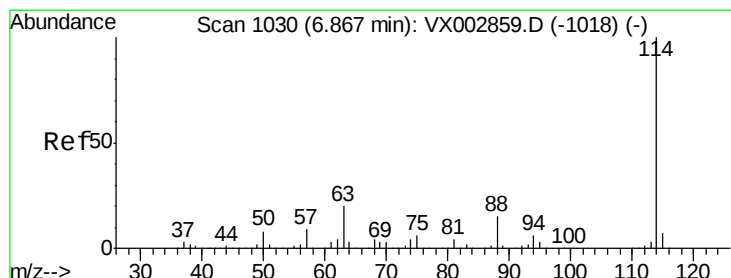
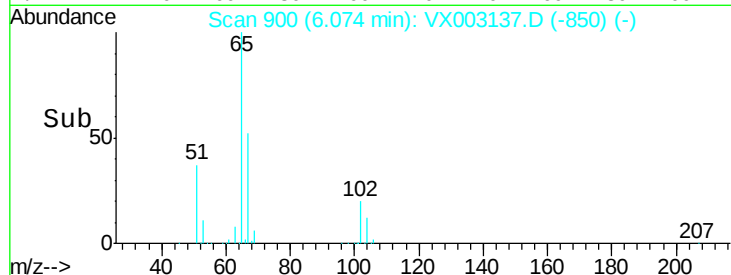
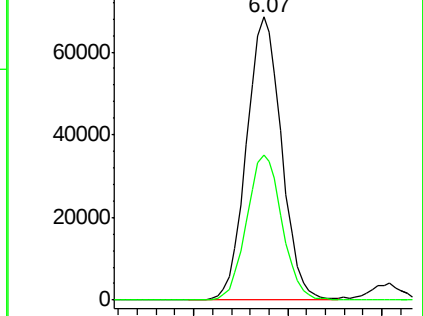
sam

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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: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

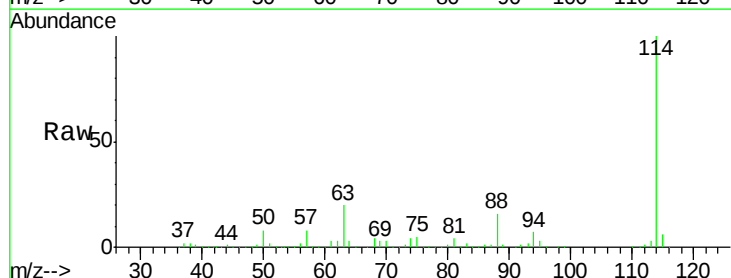
Tgt Ion: 114 Resp: 380628

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

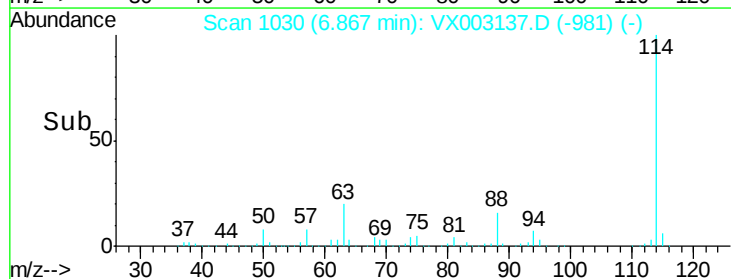
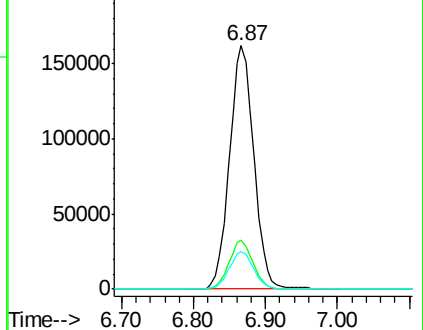
88 15.6 0.0 30.0

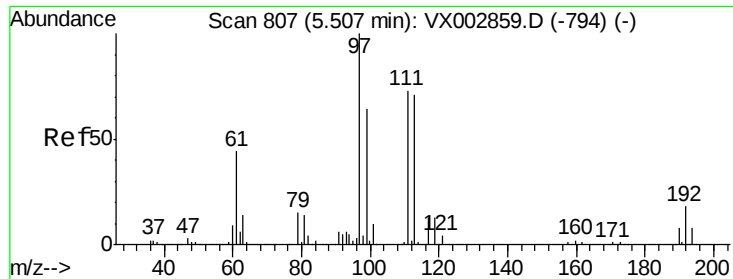


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





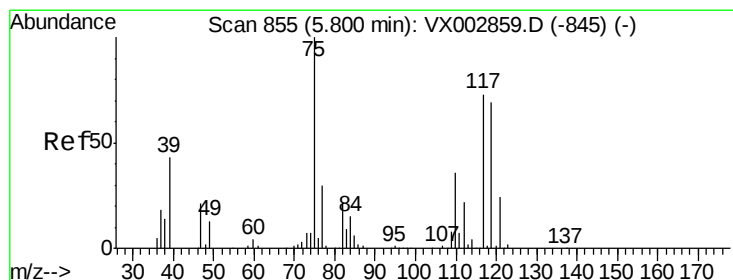
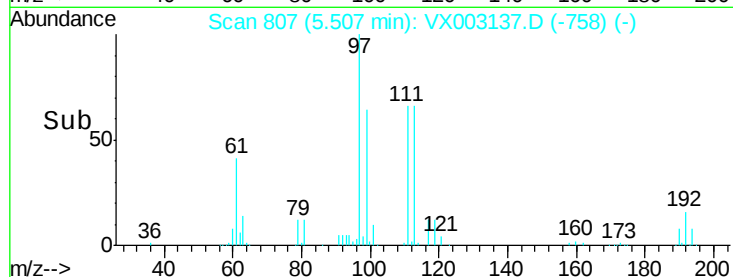
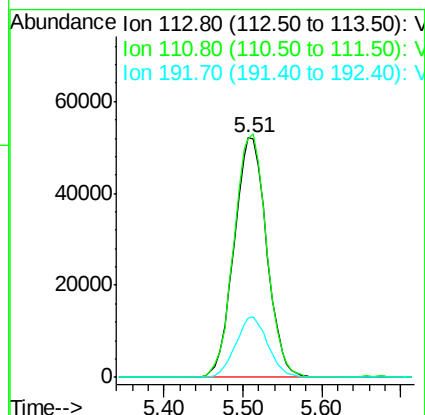
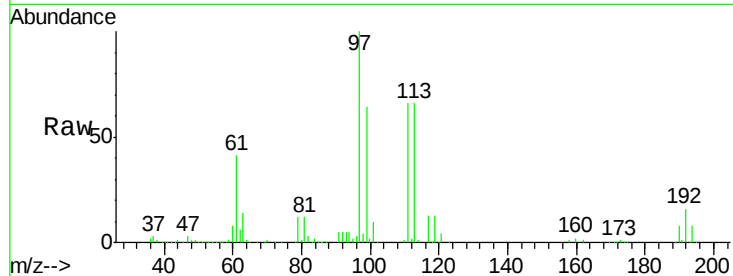
#35
Dibromofluoromethane
Concen: 49.63 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149610		
111	101.5	81.4	122.0	
192	24.9	19.1	28.7	

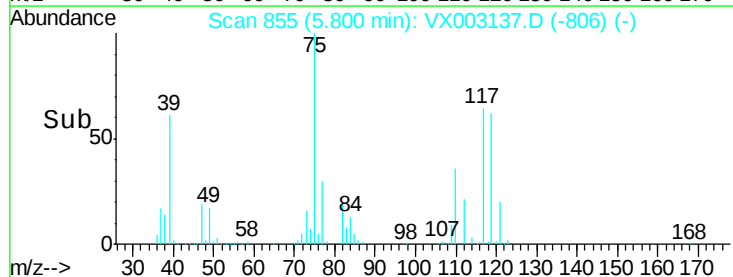
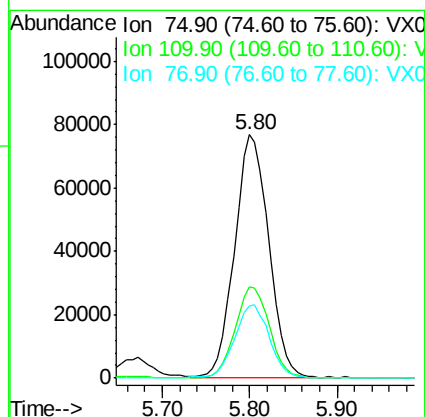
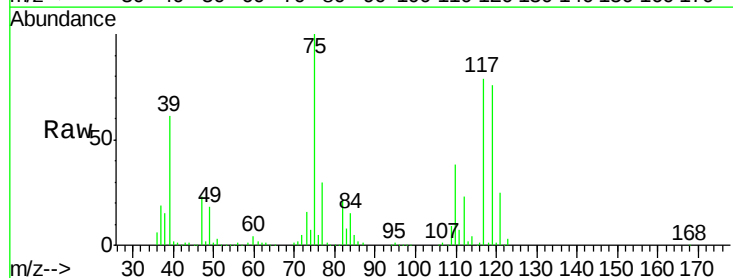
Manual Integrations
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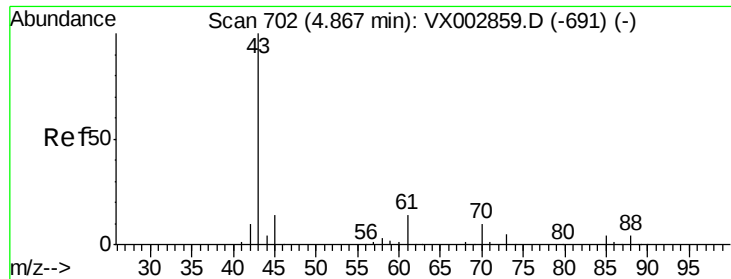
sam
7/3/2018 3:54:00 PM



#36
1,1-Dichloropropene
Concen: 49.66 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	207281		
110	37.9	18.1	54.4	
77	31.1	24.3	36.5	





#37

Ethyl Acetate

Concen: 53.59 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.01 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

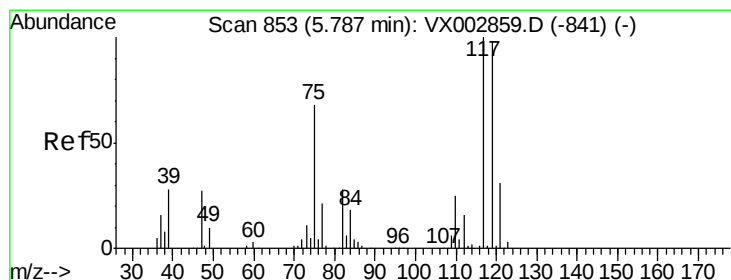
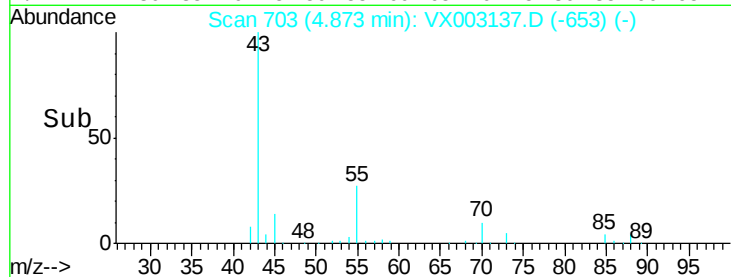
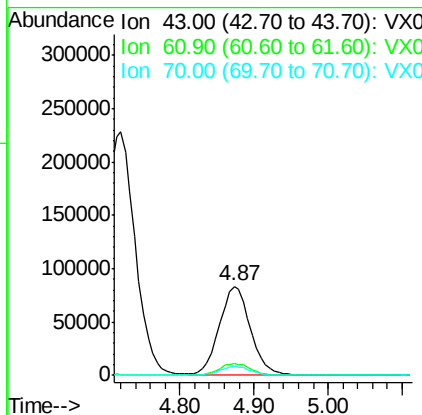
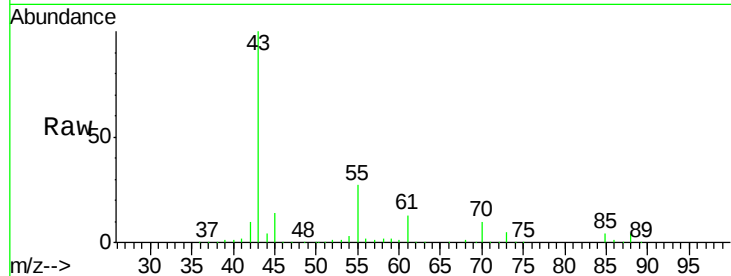
ClientSampleId :

SP18-MMW-3414MS

Tot Ion:	43	Resp:	240834
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	10.1	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 50.63 ug/l

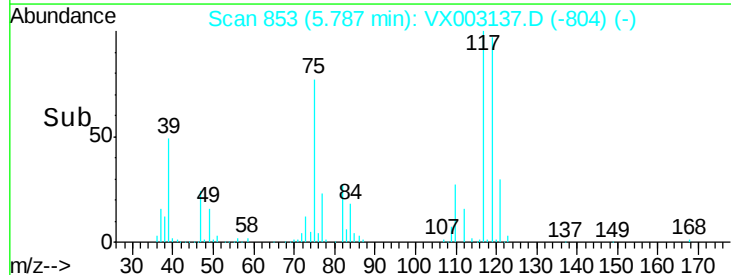
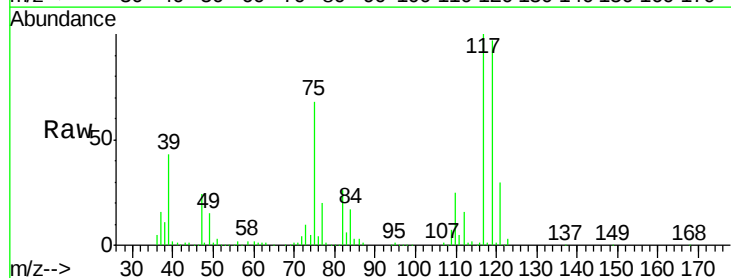
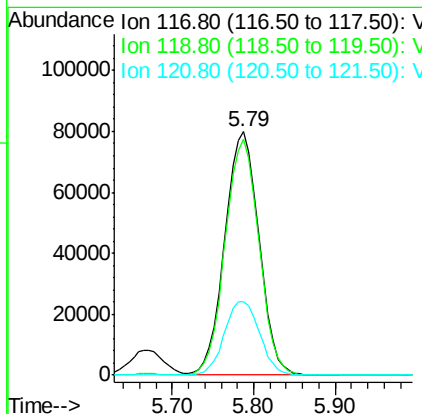
RT: 5.79 min Scan# 853

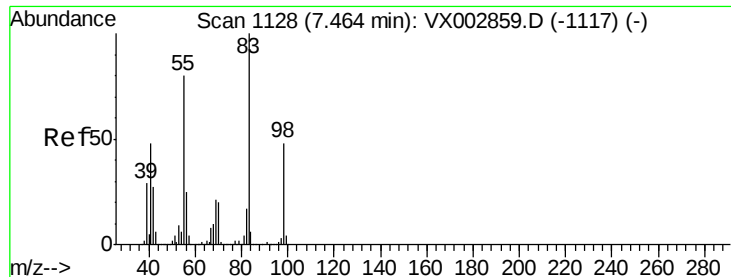
Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Tgt Ion:	117	Resp:	231892
Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.4	116.0
121	29.9	24.4	36.6





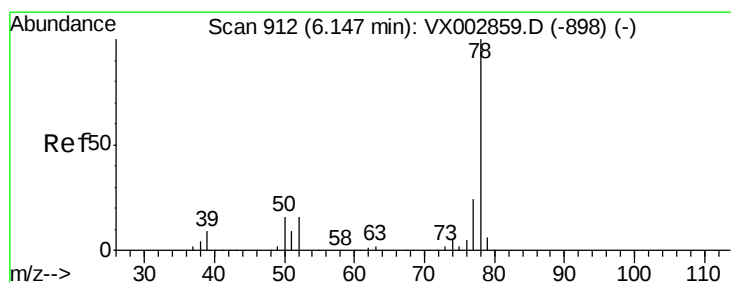
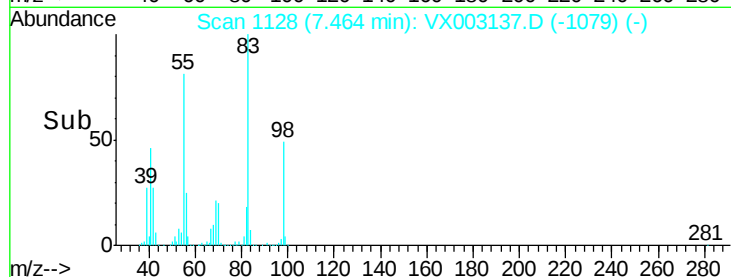
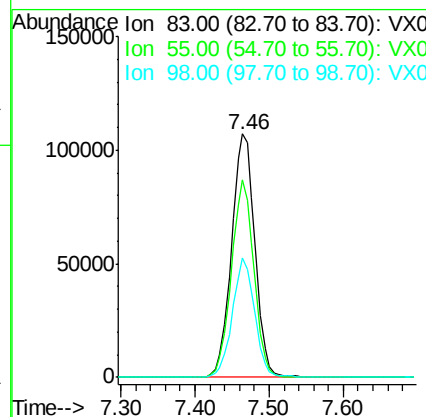
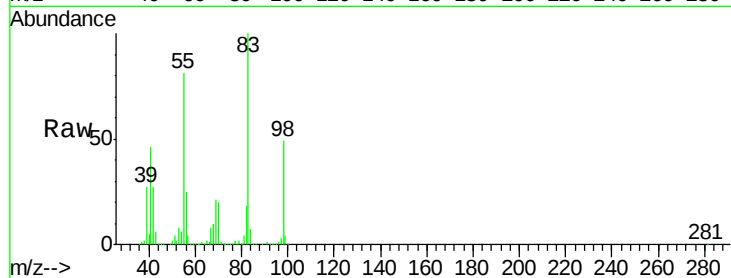
#39
Methvlcvclohexane
Concen: 48.17 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.0	65.4	98.0
98	49.0	37.4	56.0

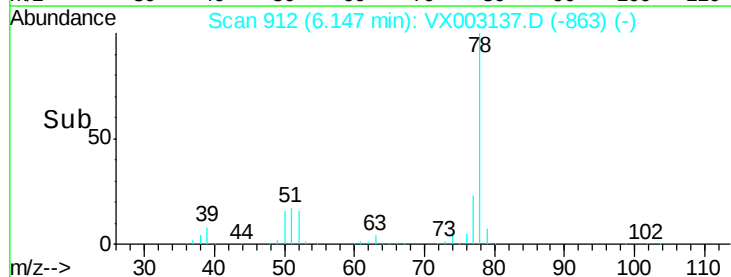
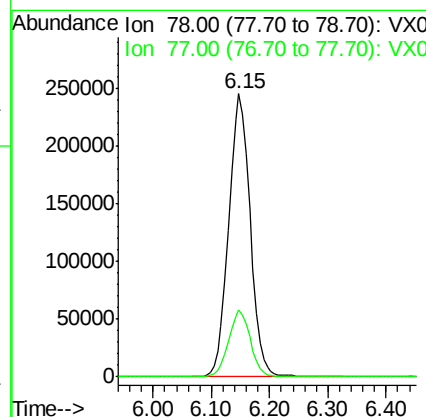
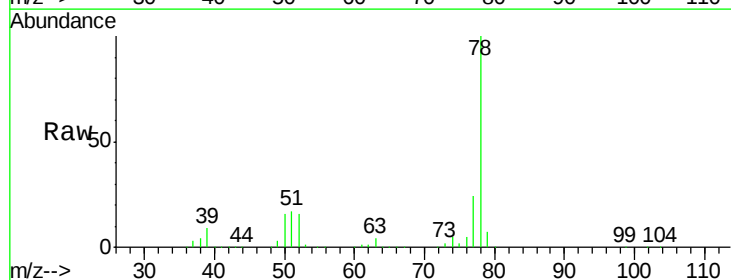
Manual Integrations
APPROVED

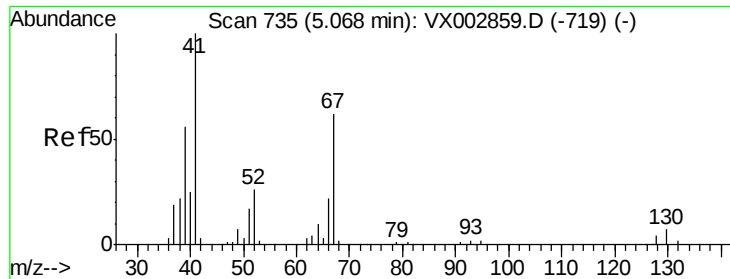
sam
7/3/2018 3:54:00 PM



#40
Benzene
Concen: 52.12 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





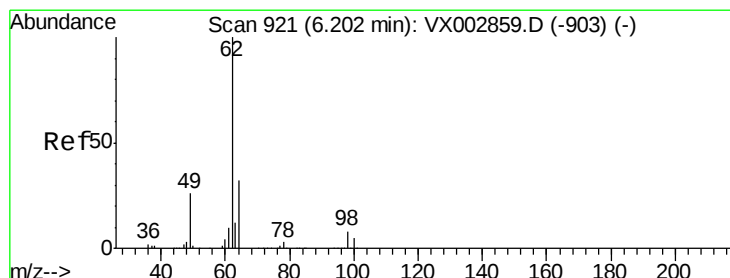
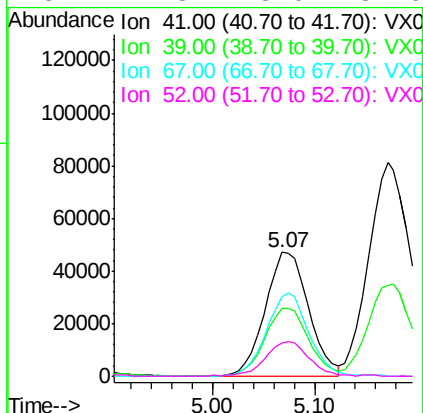
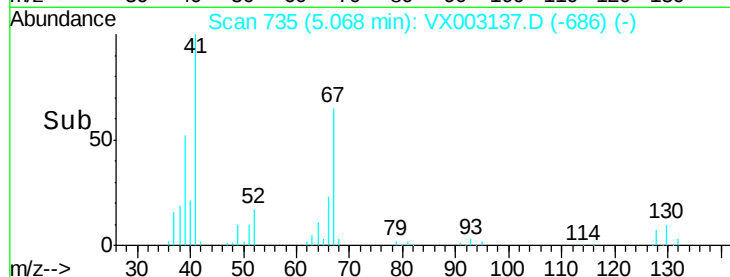
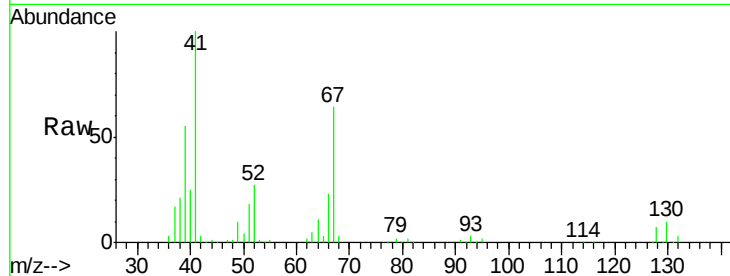
#41
Methacrylonitrile
Concen: 53.30 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	45.8	68.6	
67	66.2	51.3	76.9	
52	27.8	23.0	34.6	

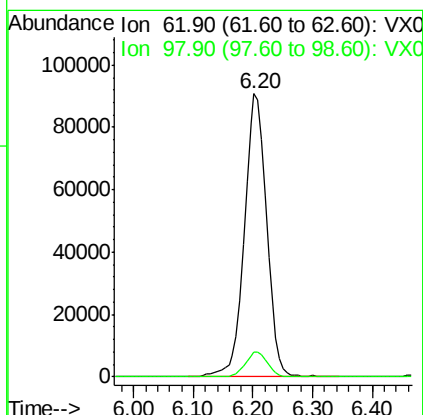
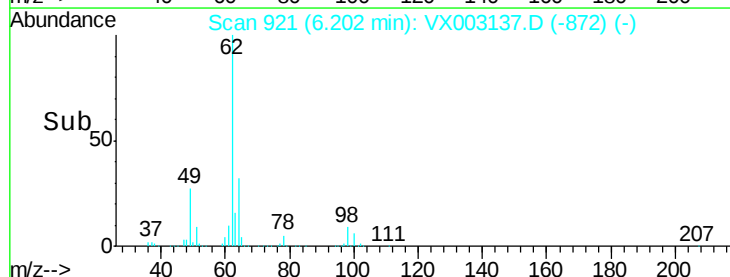
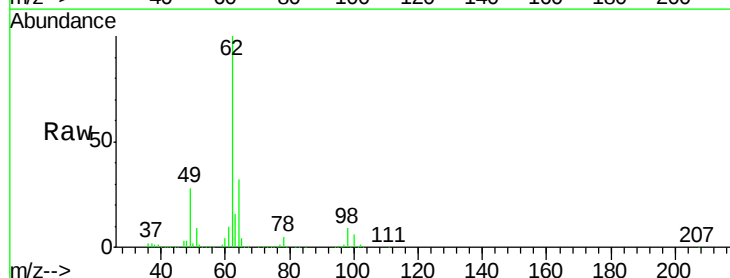
Manual Integrations
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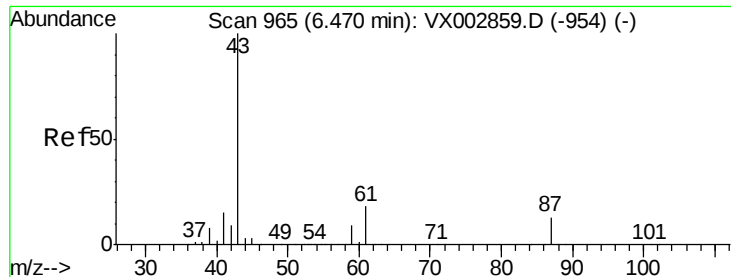
sam
7/3/2018 3:54:00 PM



#42
1,2-Dichloroethane
Concen: 48.35 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	16.6	





#43

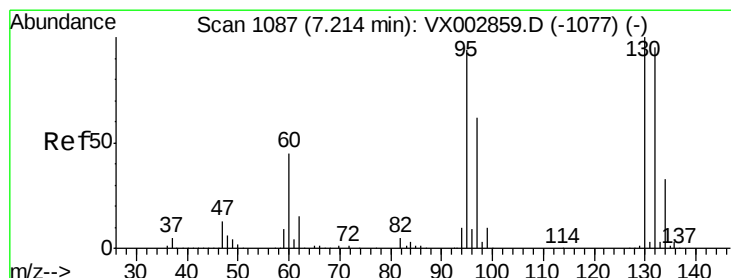
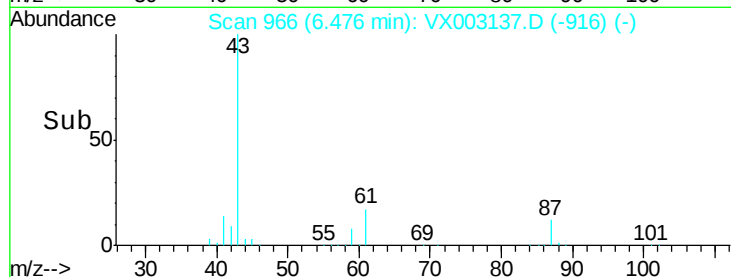
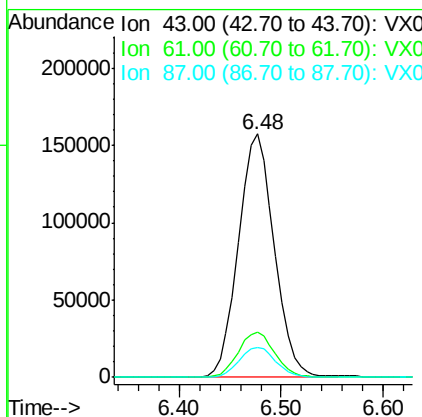
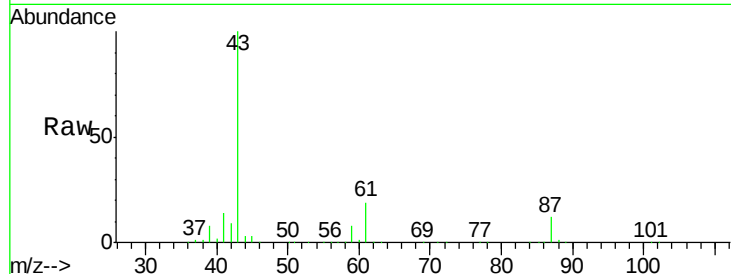
Isopropyl Acetate
 Concen: 50.82 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003137.D
 Acq: 02 Jul 2018 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.4	21.6
87	12.9	9.5	14.3

Manual Integrations
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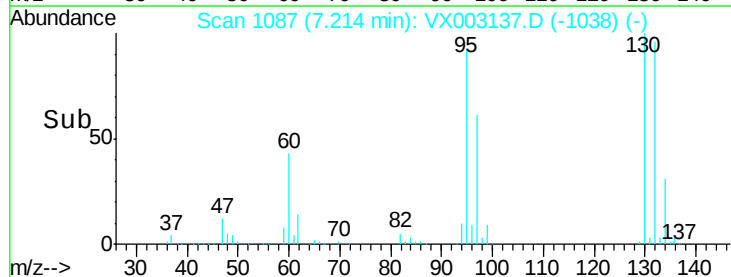
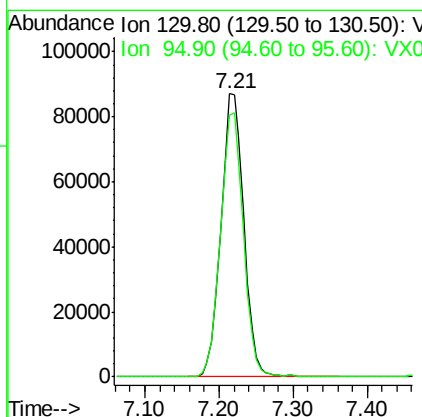
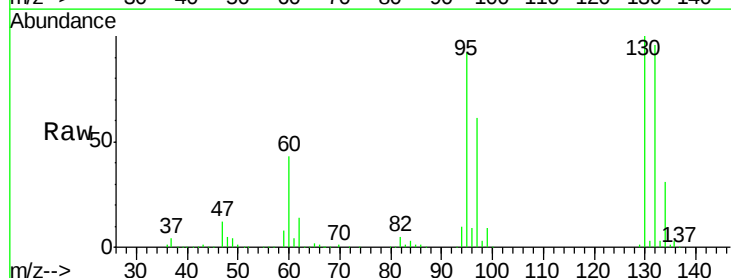
sam
 7/3/2018 3:54:00 PM

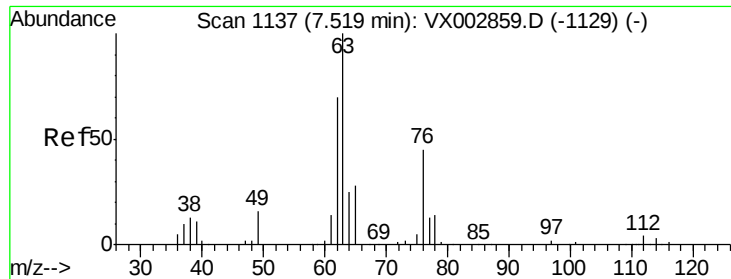


#44

Trichloroethene
 Concen: 51.45 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003137.D
 Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	185.4





#45

1,2-Dichloropropane

Concen: 50.62 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MS

Tot Ion: 63 Resp: 162840

Ion Ratio Lower Upper

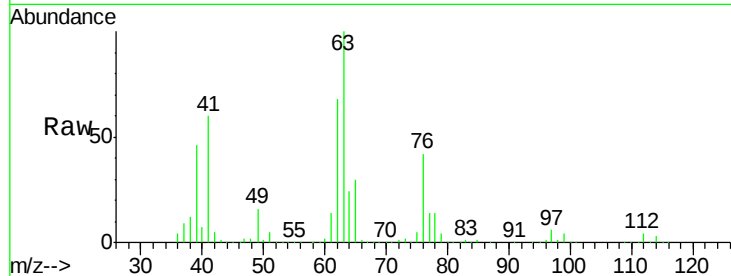
63 100

65 29.6 24.7 37.1

Manual Integrations
APPROVED

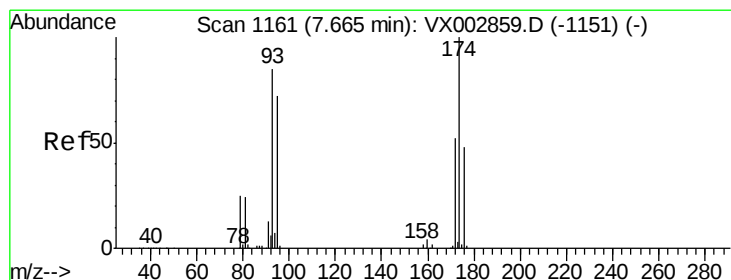
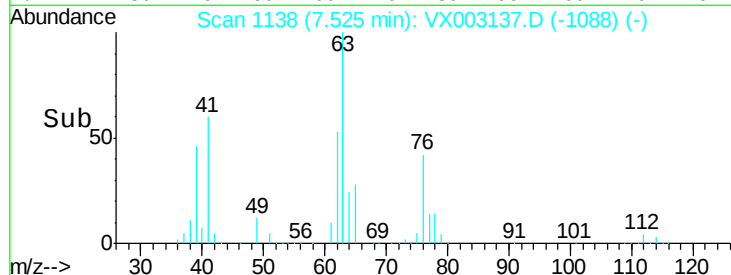
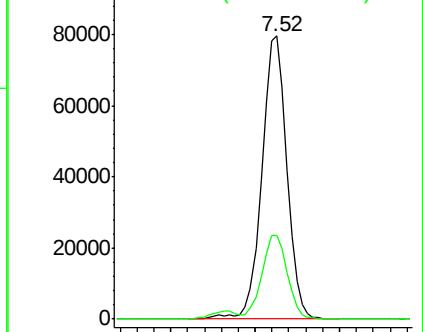
sam

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.46 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

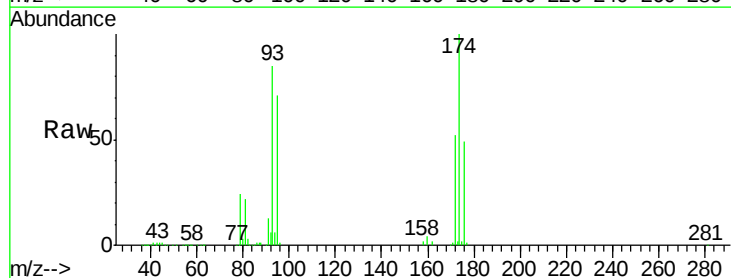
Tgt Ion: 93 Resp: 112663

Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

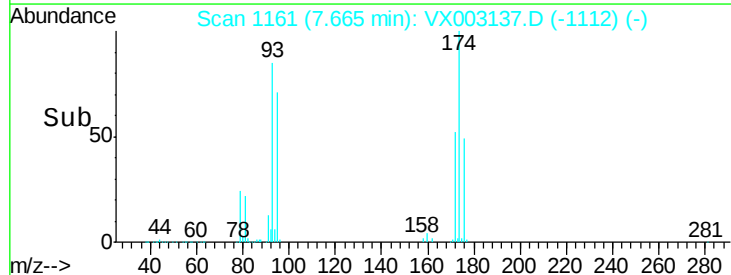
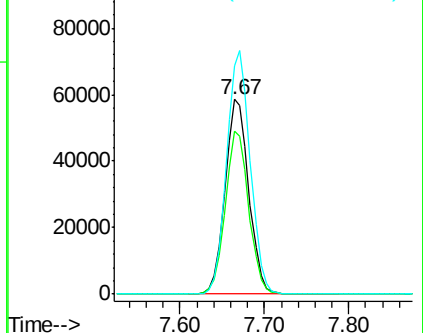
174 124.1 92.4 138.6

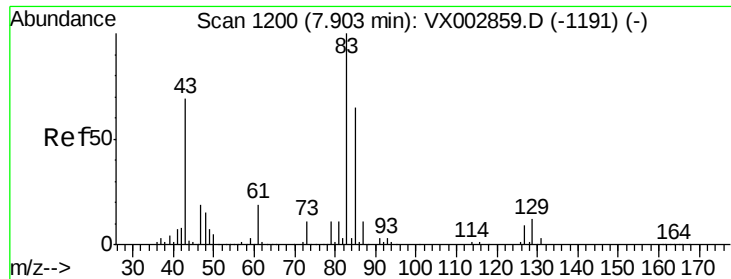


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.49 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

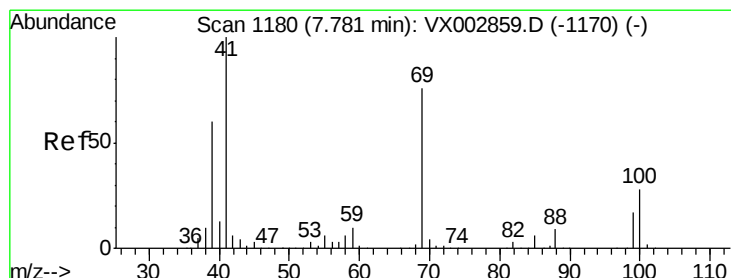
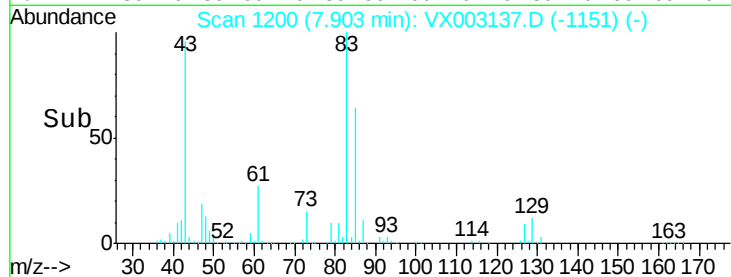
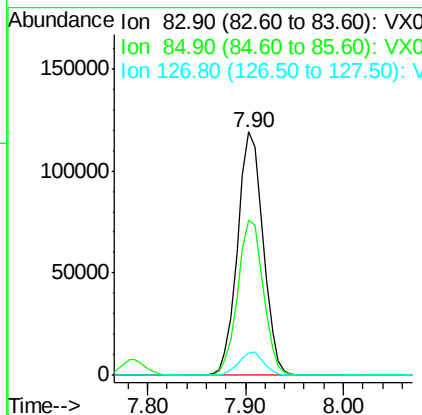
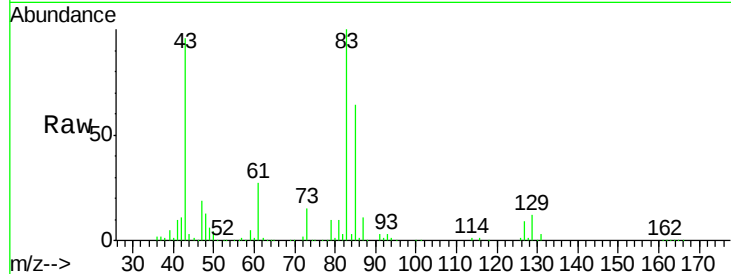
ClientSampleId :

SP18-MMW-3414MS

Tot Ion:	83	Resp:	216642
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.3	75.5
127	9.1	7.0	10.4

Manual Integrations
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sam
7/3/2018 3:54:00 PM



#48

Methyl methacrylate

Concen: 52.85 ug/l

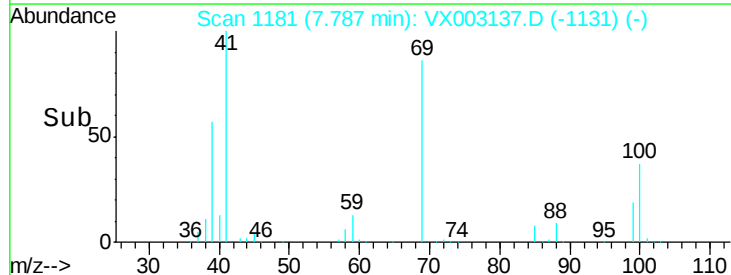
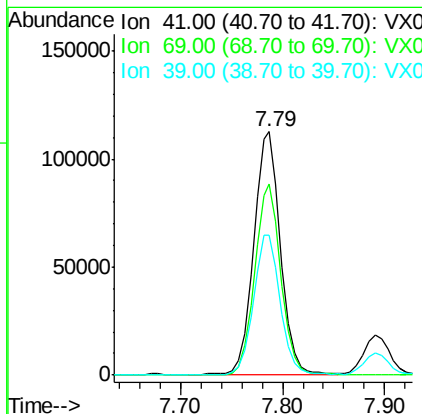
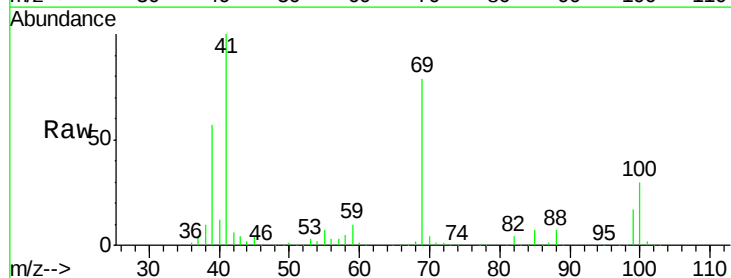
RT: 7.79 min Scan# 1181

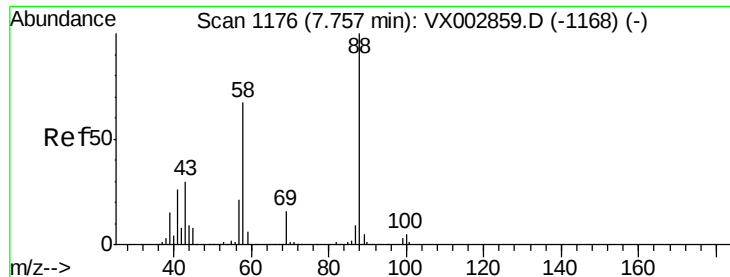
Delta R.T. 0.01 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Tgt Ion:	41	Resp:	205239
Ion	Ratio	Lower	Upper
41	100		
69	77.6	59.1	88.7
39	57.5	48.9	73.3





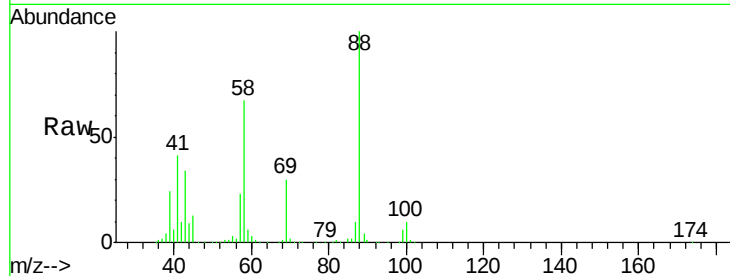
#49
1,4-Dioxane
Concen: 1150.01 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	50.0	29.8	44.6#
58	68.8	57.1	85.7

Manual Integrations
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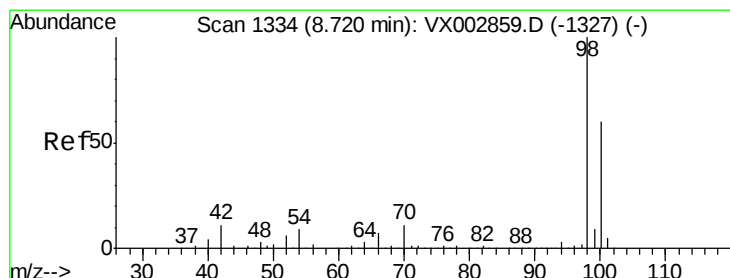
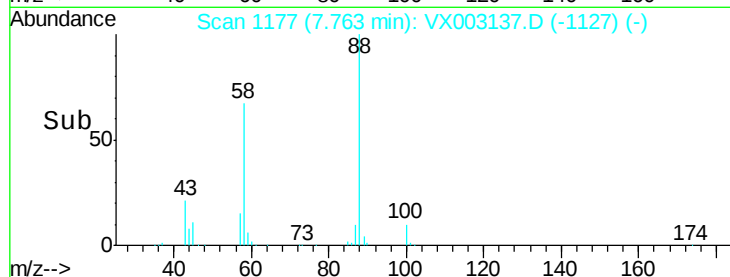
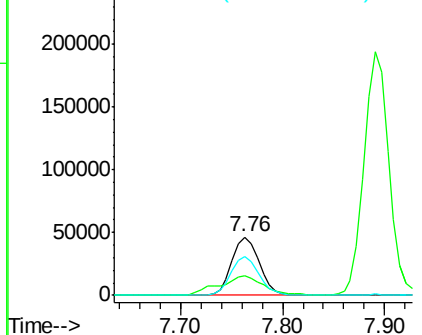


Abundance

Ion 88.00 (87.70 to 88.70): VX0

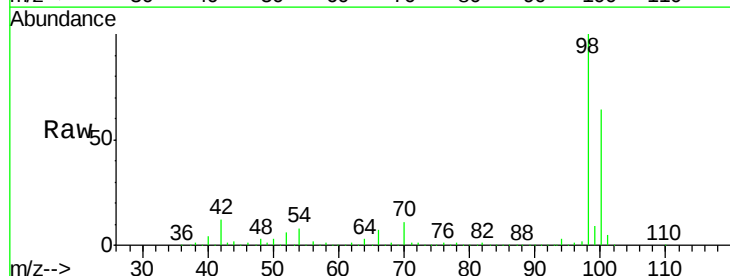
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 48.43 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

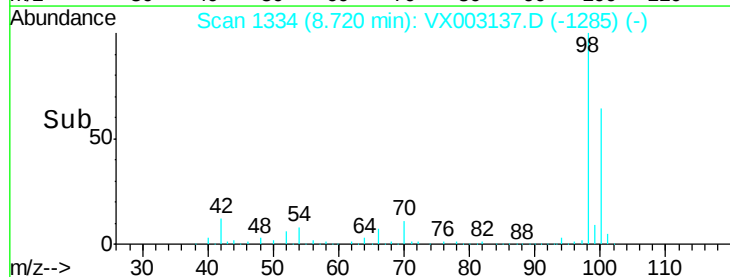
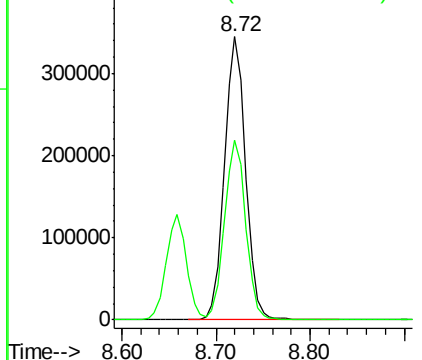
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.9	76.3

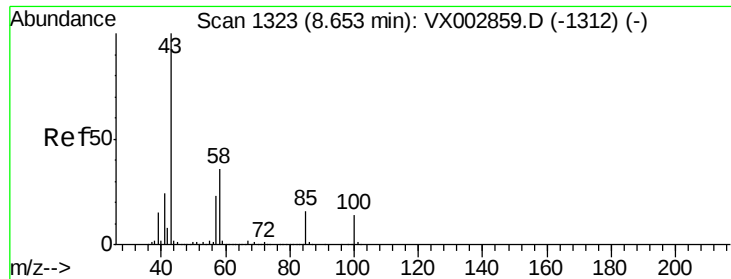


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 275.76 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MS

Tot Ion: 43 Resp: 1300461

Ion Ratio Lower Upper

43 100

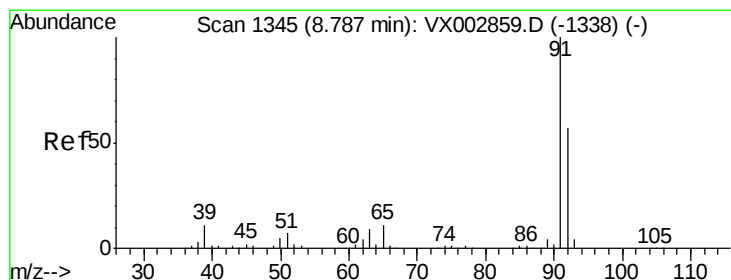
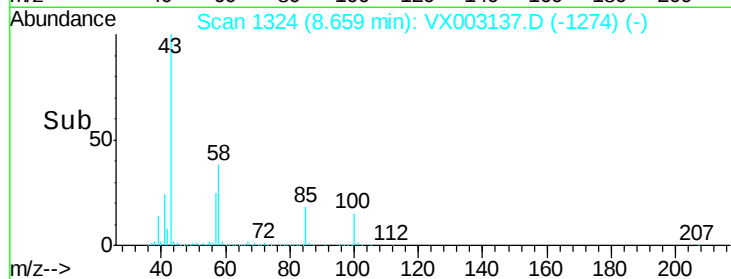
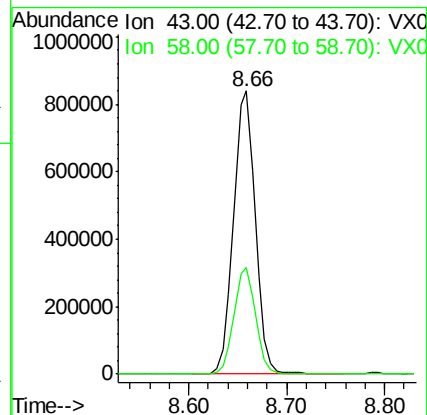
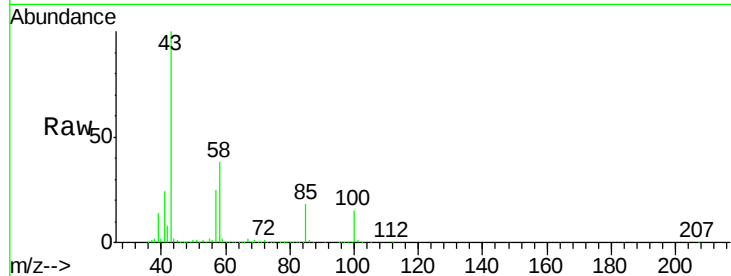
58 37.2 28.6 42.8

Manual Integrations

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sam

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#52

Toluene

Concen: 51.60 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003137.D

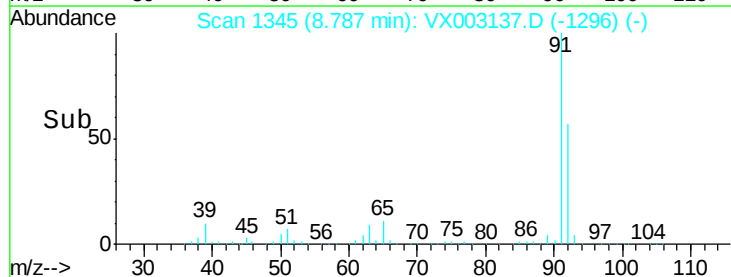
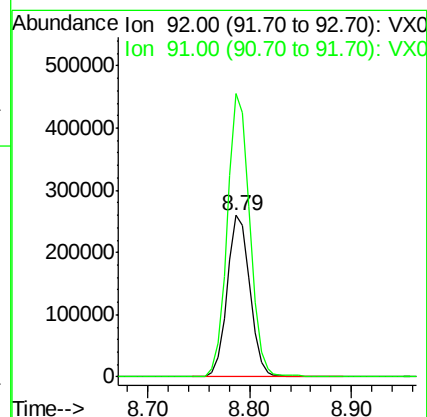
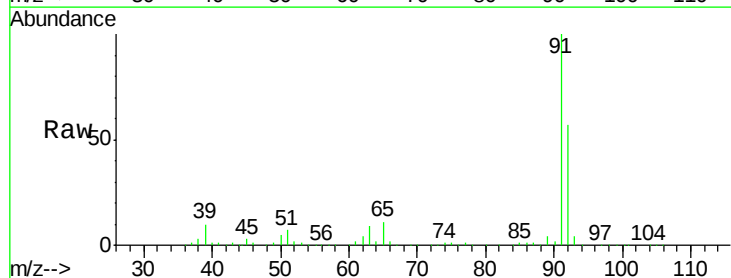
Acq: 02 Jul 2018 19:44

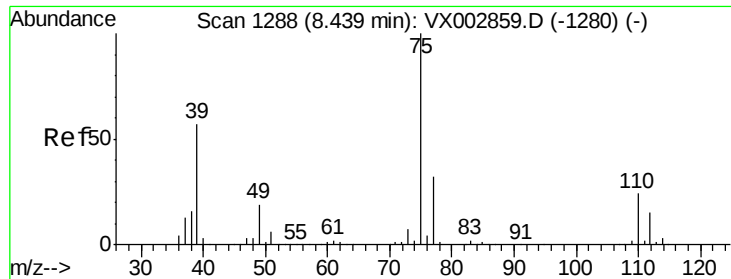
Tgt Ion: 92 Resp: 400915

Ion Ratio Lower Upper

92 100

91 174.1 140.4 210.6





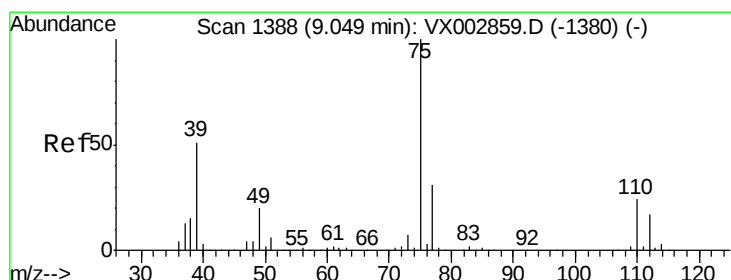
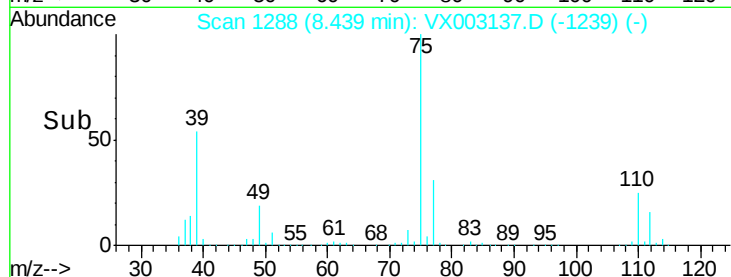
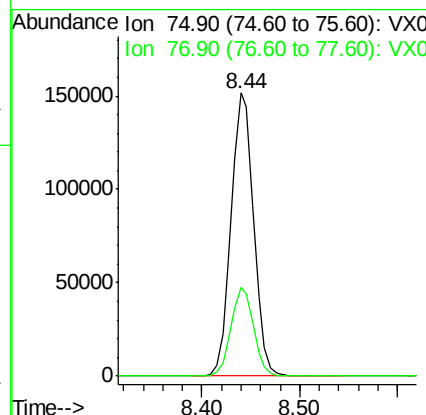
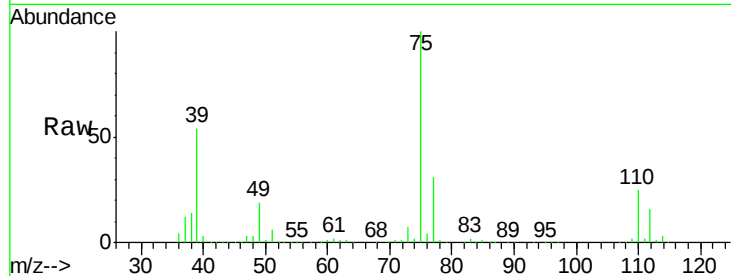
#53
 t-1,3-Dichloropropene
 Concen: 51.85 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX003137.D
 Acq: 02 Jul 2018 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MS

Tot Ion: 75 Resp: 242380
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2

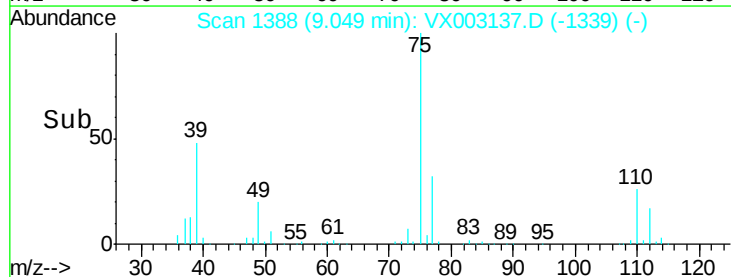
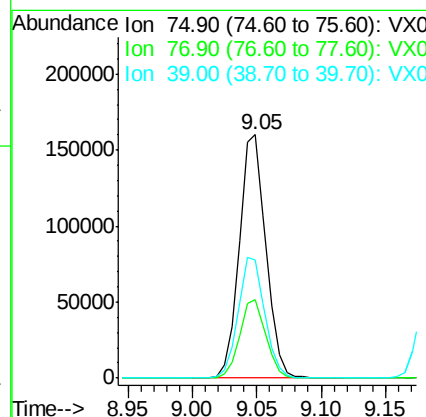
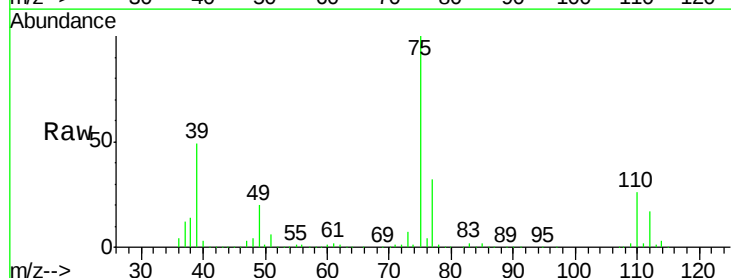
Manual Integrations
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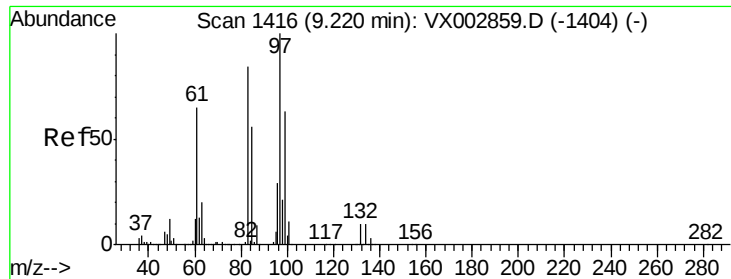
sam
 7/3/2018 3:54:00 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.01 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX003137.D
 Acq: 02 Jul 2018 19:44

Tgt Ion: 75 Resp: 229440
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.8 37.2
 39 48.5 42.4 63.6





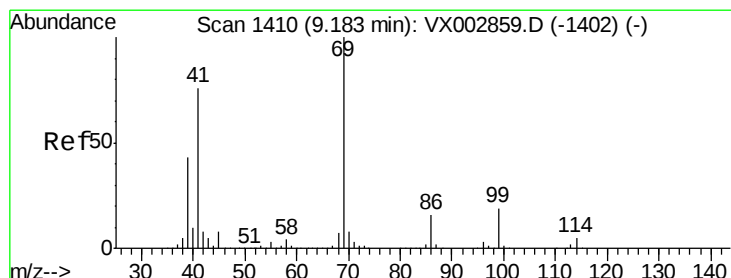
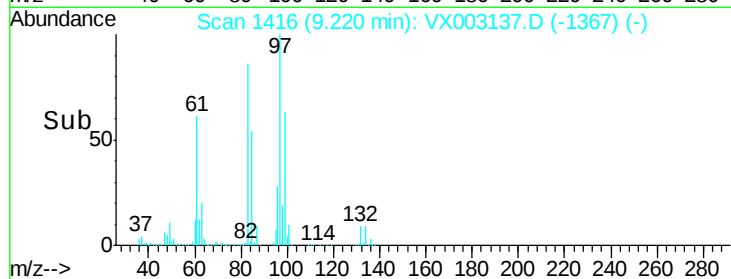
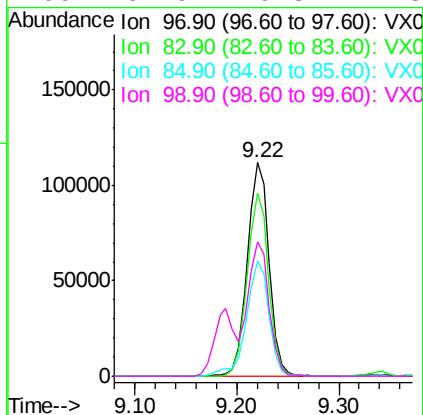
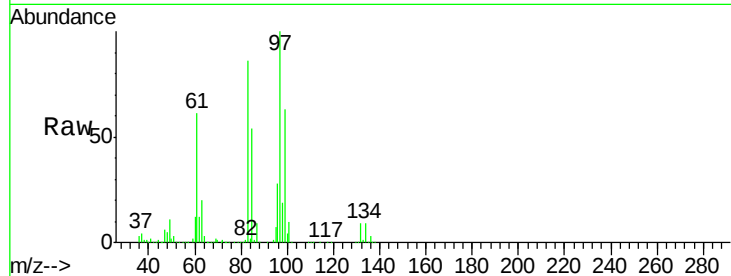
#55
 1,1,2-Trichloroethane
 Concen: 51.90 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003137.D
 Acq: 02 Jul 2018 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MS

Tot Ion:	97	Resp:	165682
Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.2	105.2
85	54.0	44.9	67.3
99	62.9	49.8	74.8

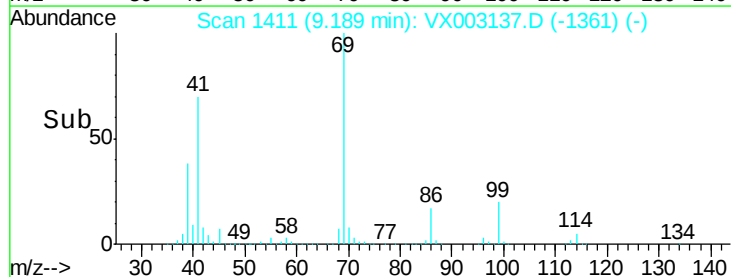
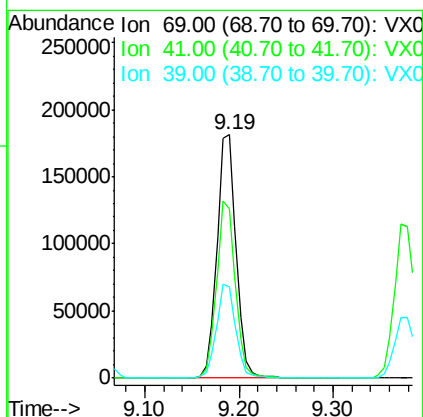
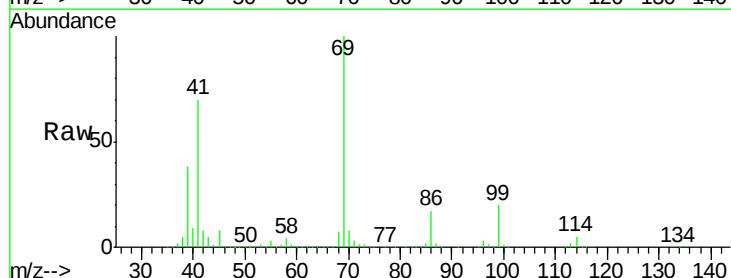
Manual Integrations
 APPROVED

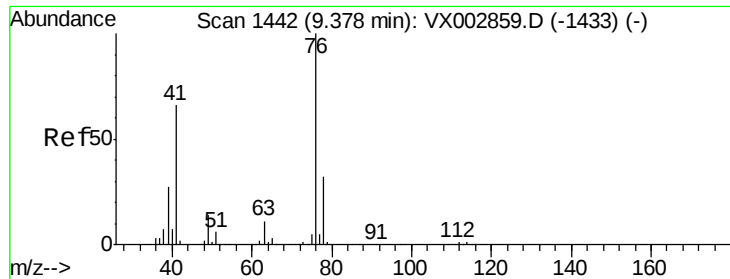
sam
 7/3/2018 3:54:00 PM



#56
 Ethyl methacrylate
 Concen: 54.61 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003137.D
 Acq: 02 Jul 2018 19:44

Tgt Ion:	69	Resp:	254801
Ion	Ratio	Lower	Upper
69	100		
41	71.6	60.3	90.5
39	38.9	35.8	53.8





#57

1,3-Dichloropropane

Concen: 51.28 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MS

Tot Ion: 76 Resp: 268874

Ion Ratio Lower Upper

76 100

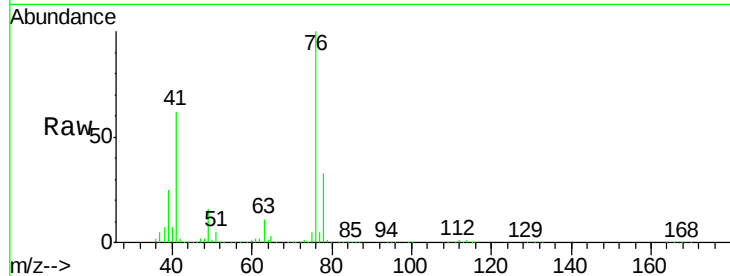
78 32.5 25.8 38.6

Manual Integrations

APPROVED

sam

7/3/2018 3:54:00 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

200000

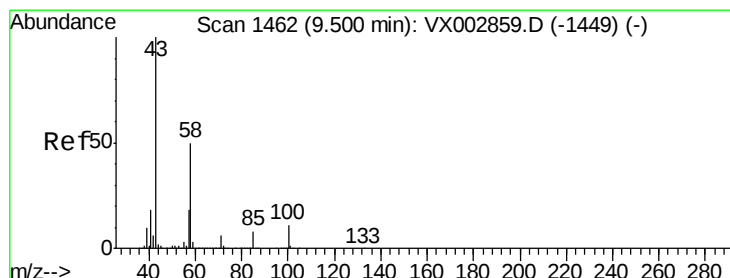
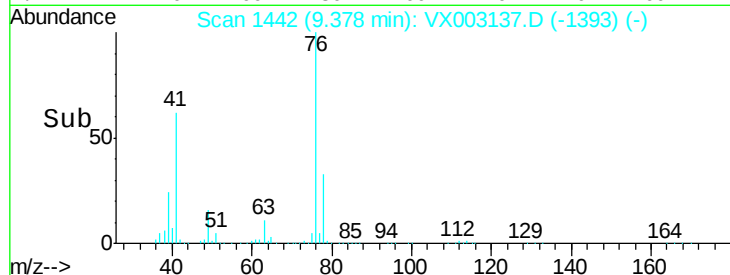
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 282.69 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX003137.D

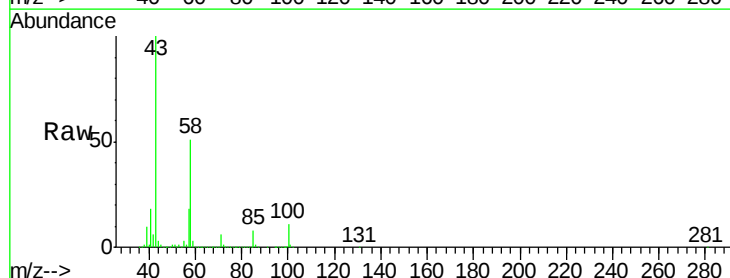
Acq: 02 Jul 2018 19:44

Tgt Ion: 43 Resp: 1013197

Ion Ratio Lower Upper

43 100

58 51.8 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

800000

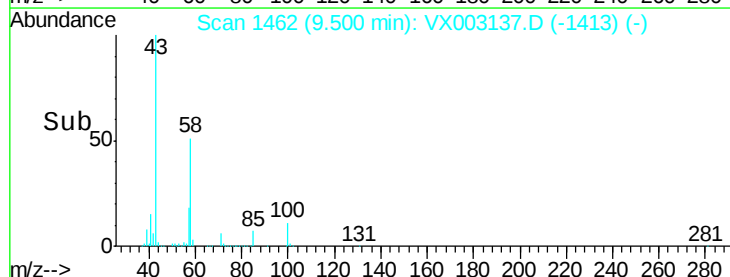
600000

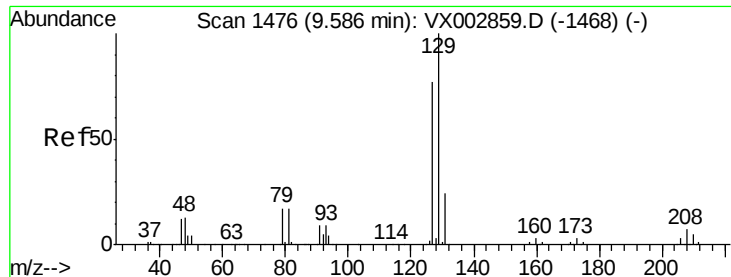
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 54.03 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MS

Tot Ion:129 Resp: 181596

Ion Ratio Lower Upper

129 100

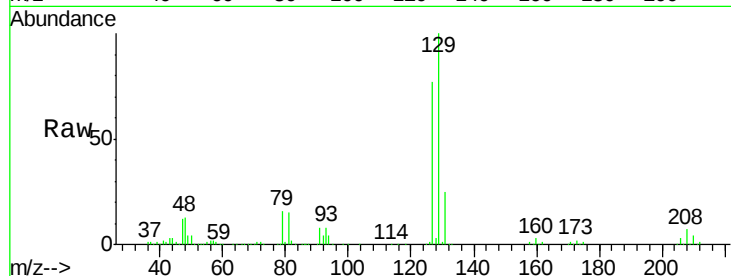
127 76.9 38.5 115.3

Manual Integrations

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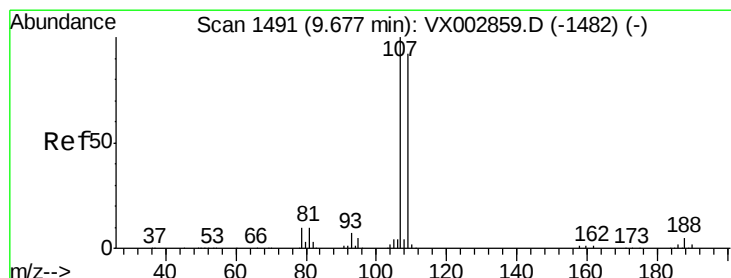
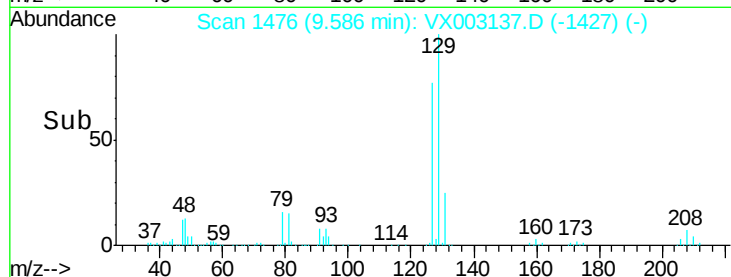
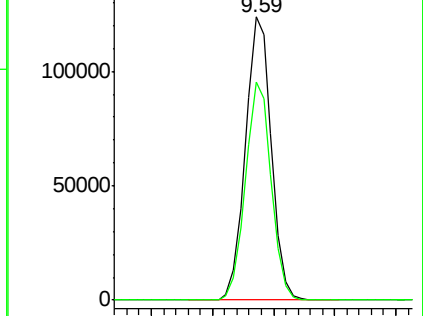
sam

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 53.59 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003137.D

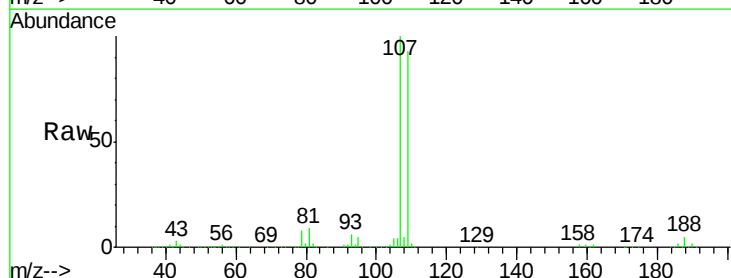
Acq: 02 Jul 2018 19:44

Tgt Ion:107 Resp: 179462

Ion Ratio Lower Upper

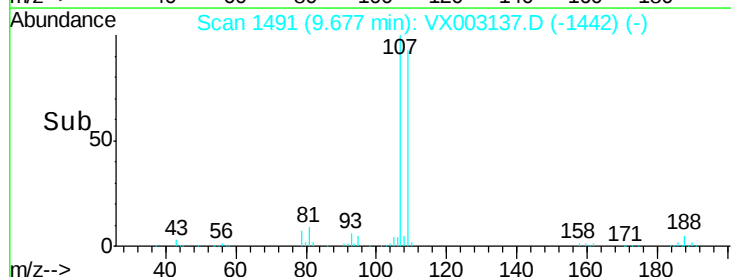
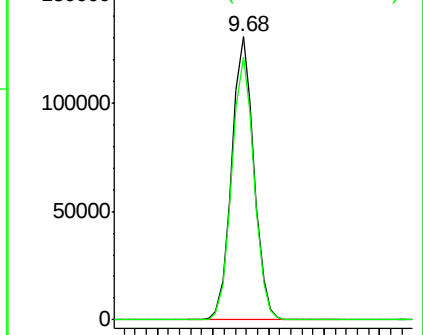
107 100

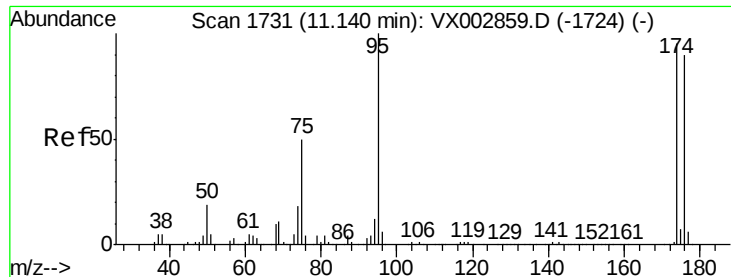
109 93.8 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





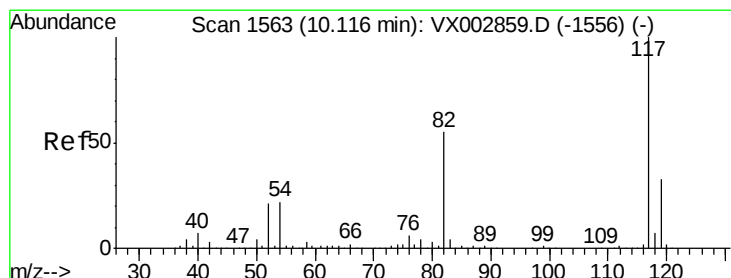
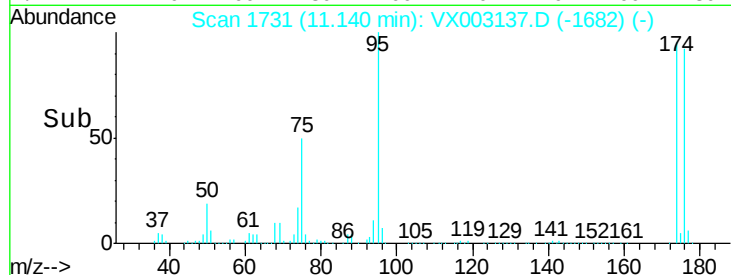
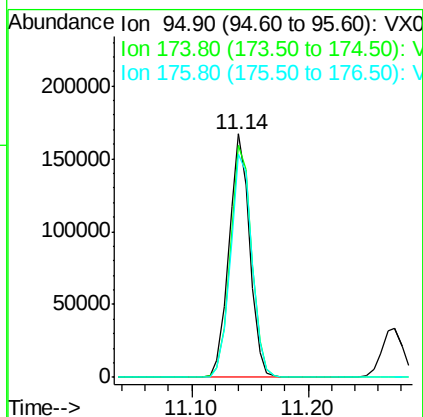
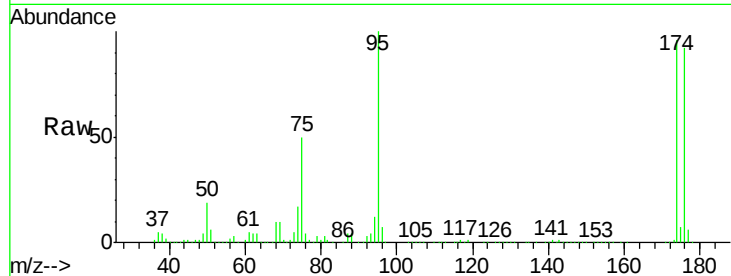
#62
4-Bromofluorobenzene
Concen: 48.50 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	205904		
174	98.8	0.0	187.4	
176	95.5	0.0	181.0	

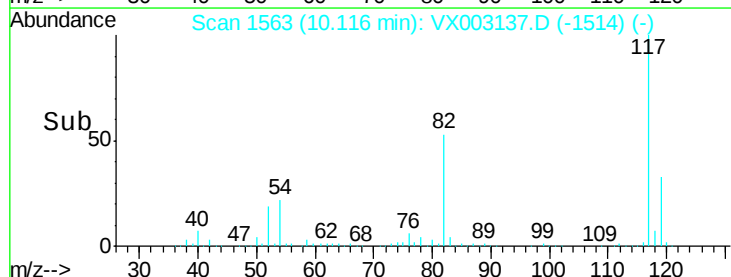
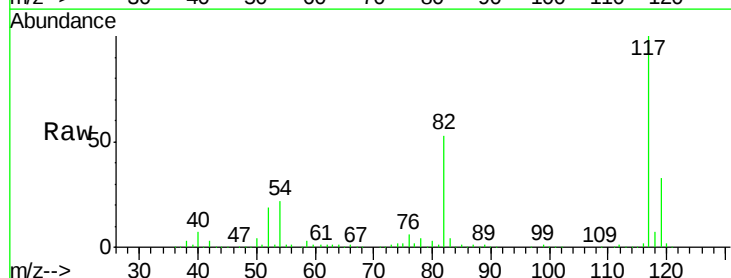
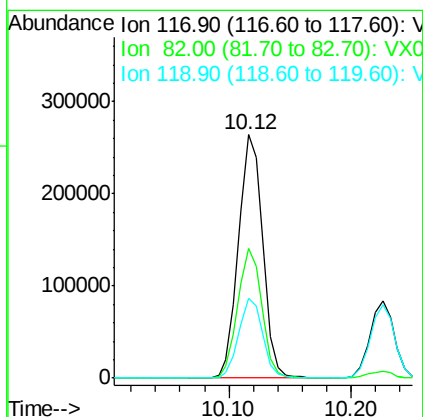
Manual Integrations
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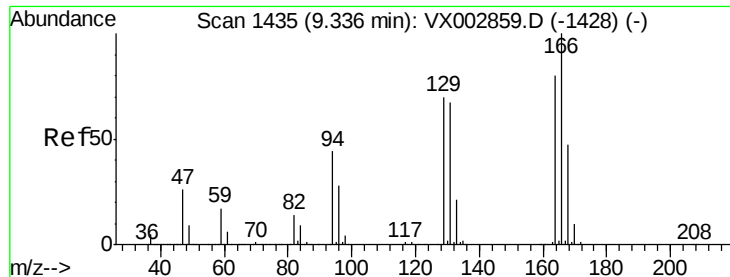
sam
7/3/2018 3:54:00 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	361962		
82	53.2	45.0	67.4	
119	32.7	25.8	38.6	





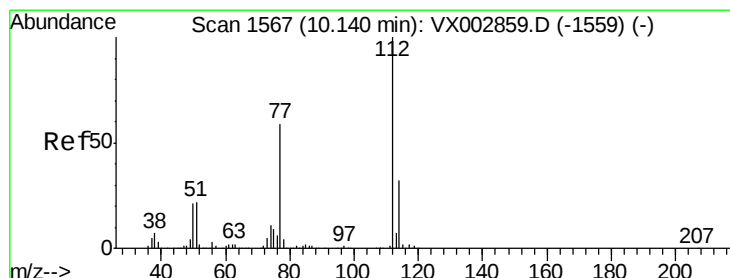
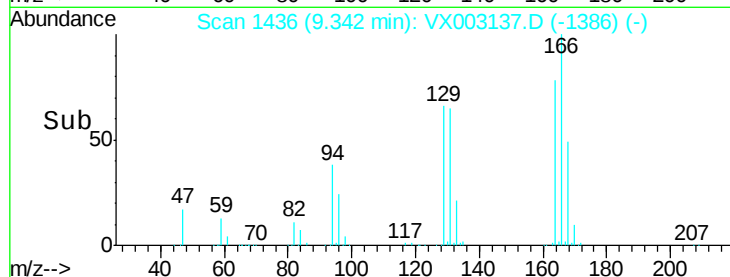
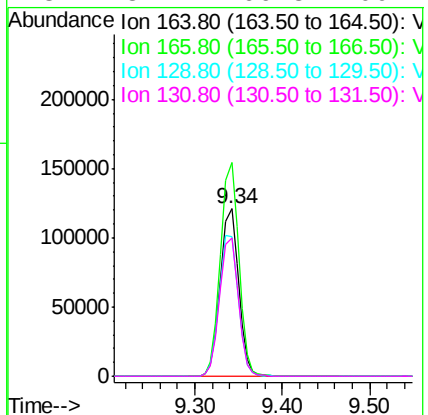
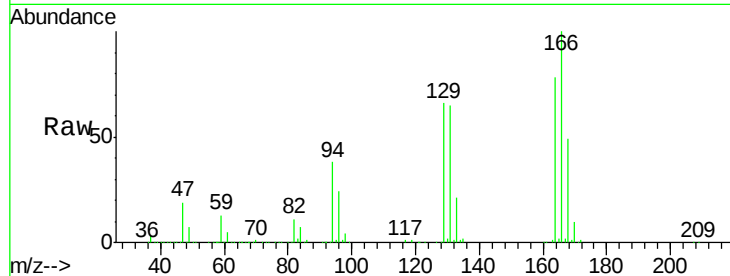
#64
Tetrachloroethene
Concen: 43.84 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.9	154.3
129	83.5	68.6	102.8
131	82.7	66.8	100.2

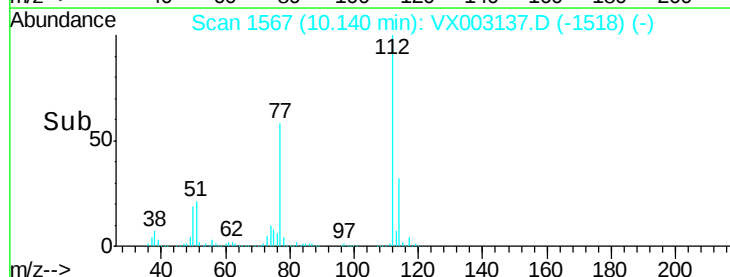
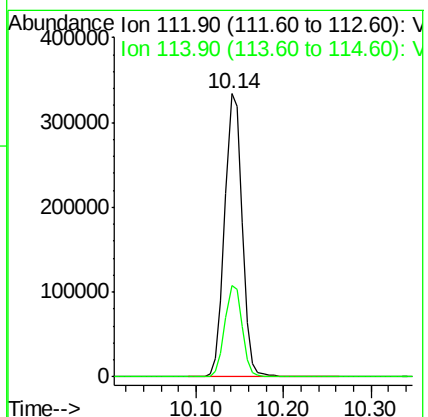
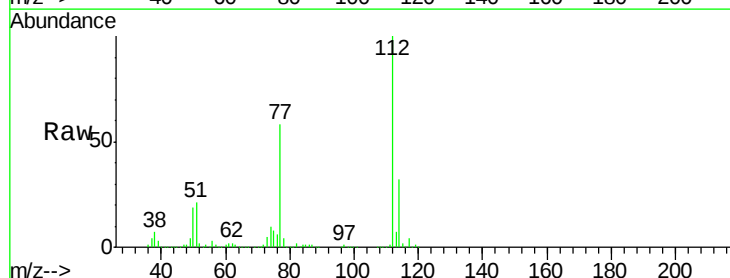
Manual Integrations
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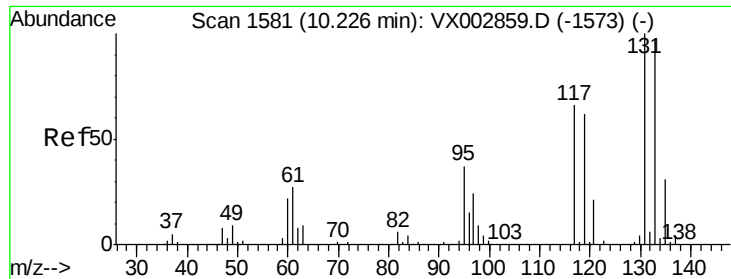
sam
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#65
Chlorobenzene
Concen: 50.20 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.3	37.9





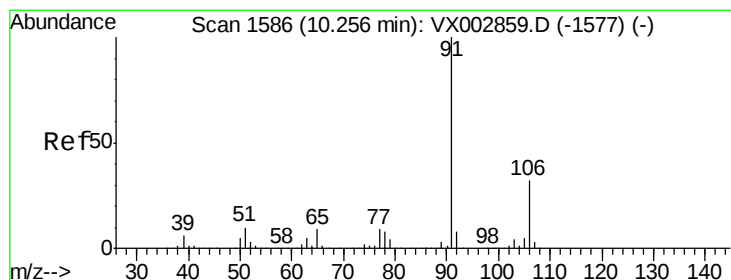
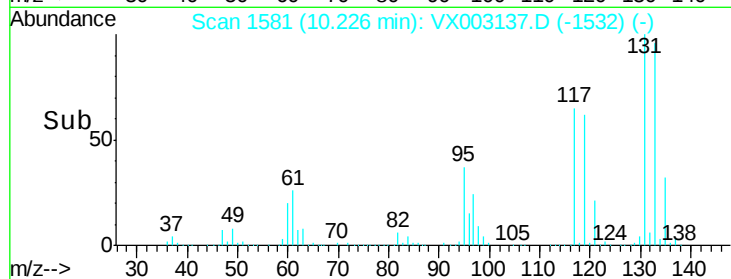
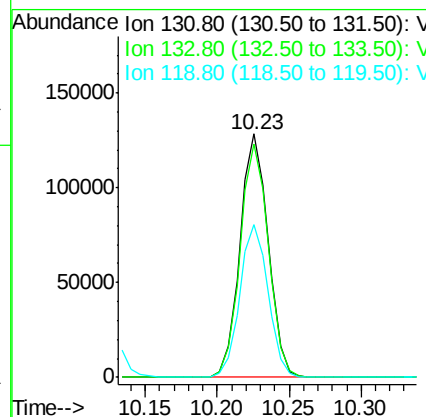
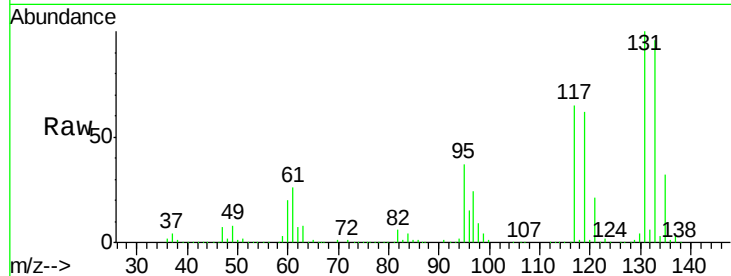
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.24 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX003137.D
 Acq: 02 Jul 2018 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.9	143.6
119	63.4	31.8	95.3

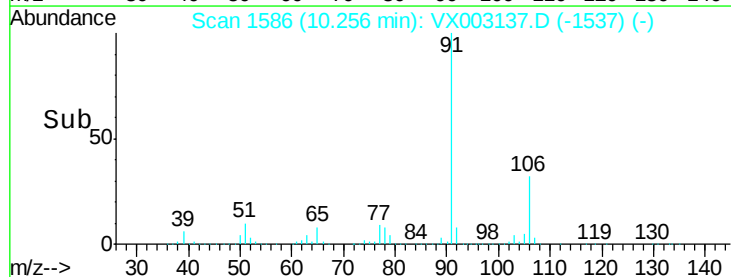
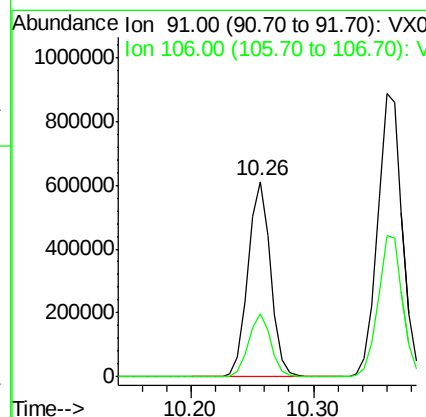
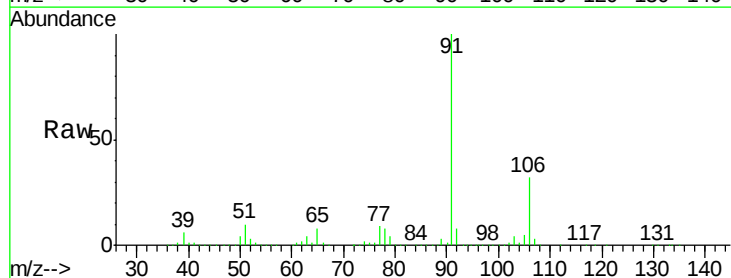
Manual Integrations
 APPROVED

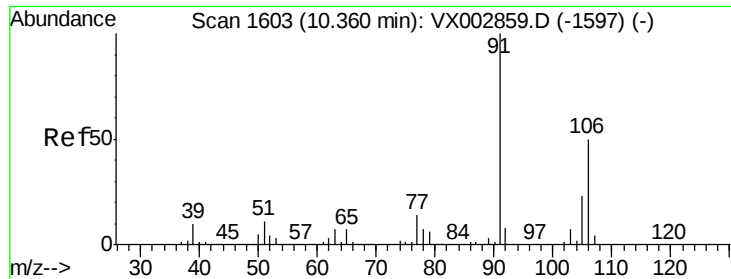
sam
 7/3/2018 3:54:00 PM



#67
 Ethyl Benzene
 Concen: 51.58 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX003137.D
 Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.5	38.3





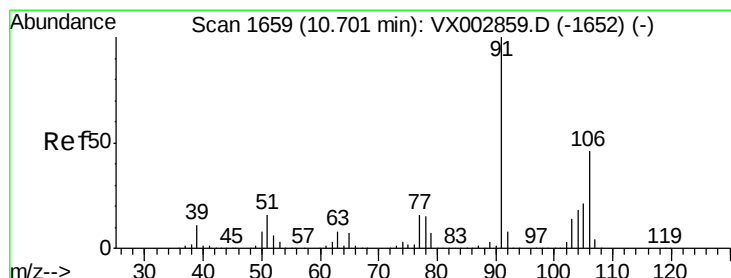
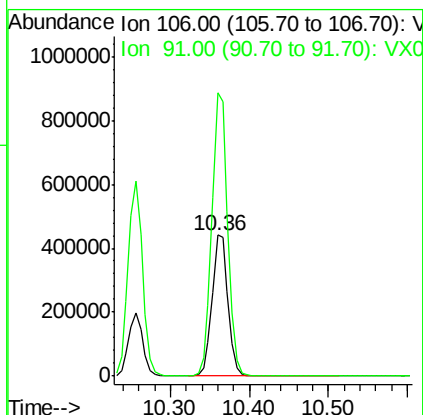
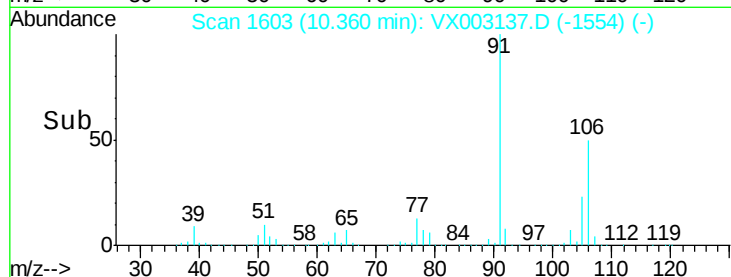
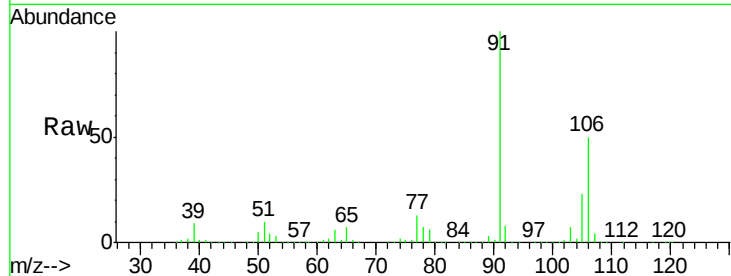
#68
m/p-Xvlenes
Concen: 105.26 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion:106 Resp: 616088
Ion Ratio Lower Upper
106 100
91 200.7 163.4 245.2

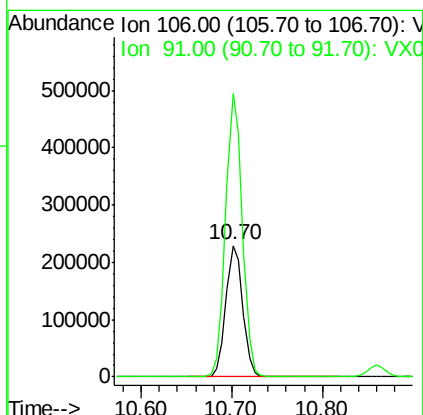
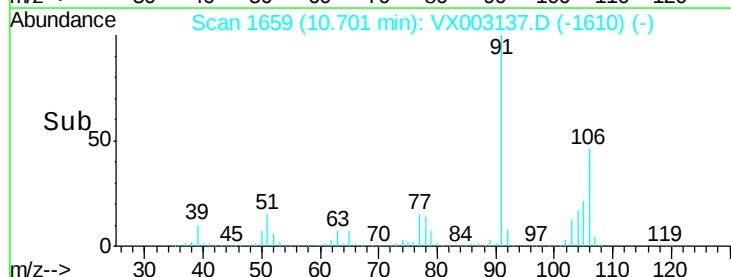
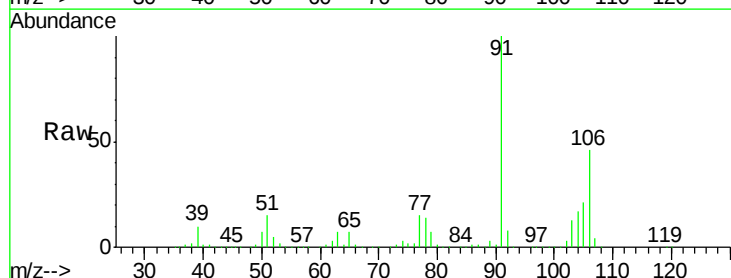
Manual Integrations
APPROVED

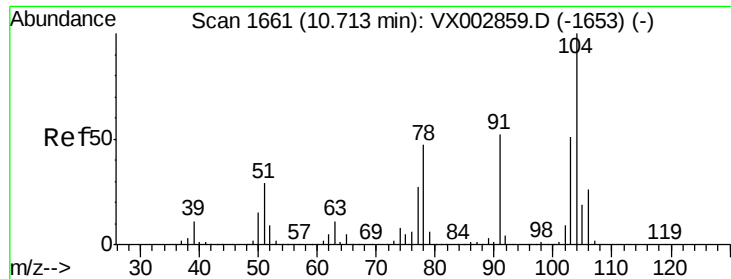
sam
7/3/2018 3:54:00 PM



#69
o-Xylene
Concen: 52.05 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion:106 Resp: 296649
Ion Ratio Lower Upper
106 100
91 213.4 108.2 324.6





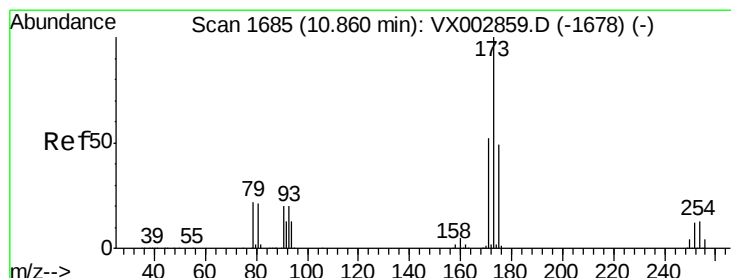
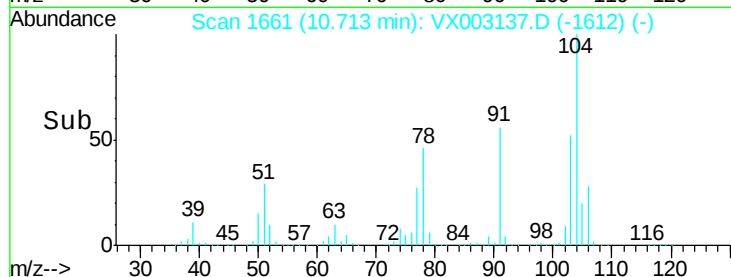
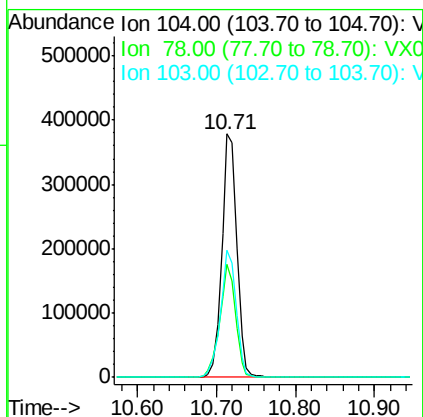
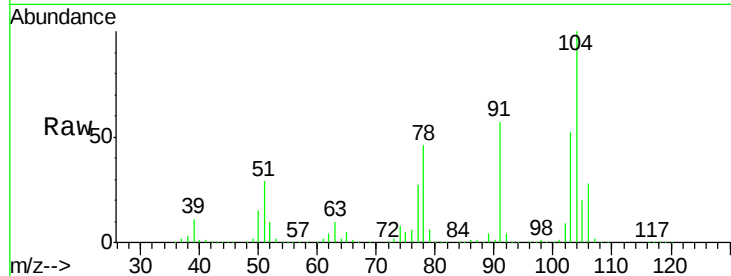
#70
Stvrene
Concen: 54.15 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.3	41.0	61.6
103	55.2	44.2	66.4

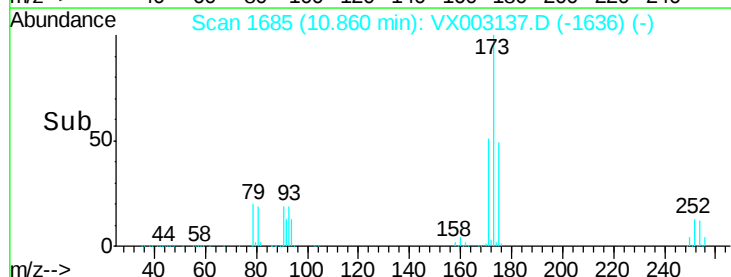
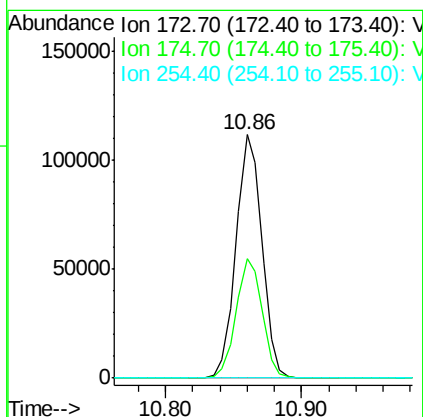
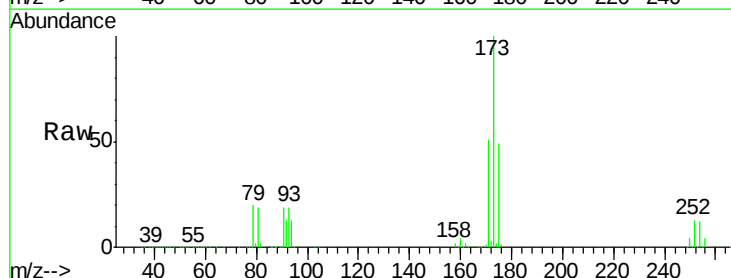
Manual Integrations
APPROVED

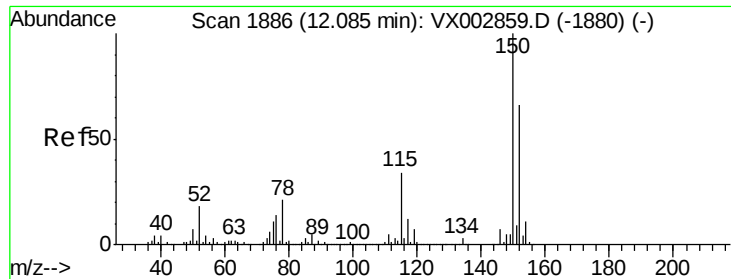
sam
7/3/2018 3:54:00 PM



#71
Bromoform
Concen: 49.11 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.7	74.1
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

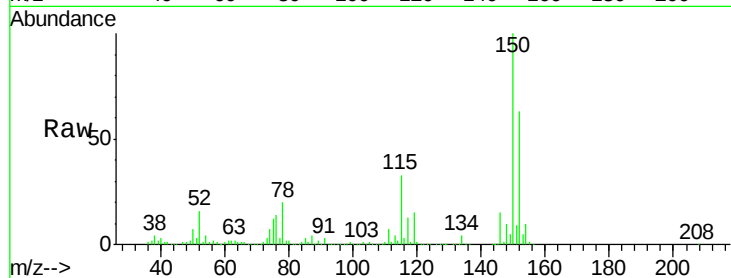
ClientSampleId :

SP18-MMW-3414MS

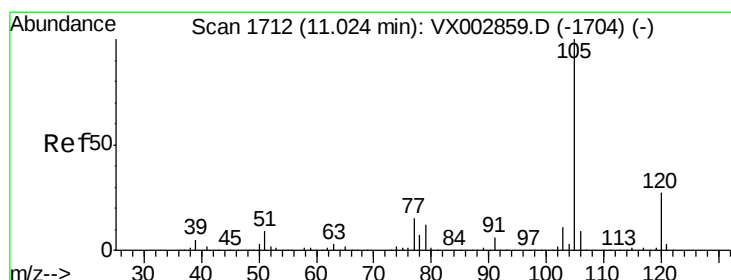
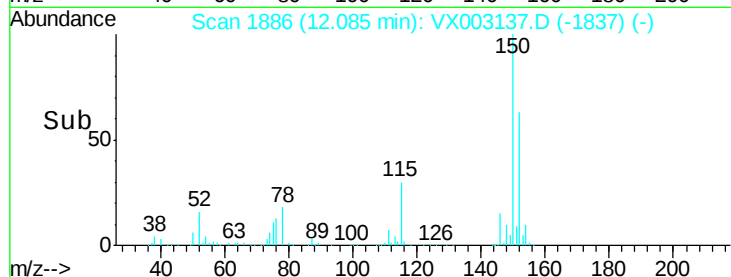
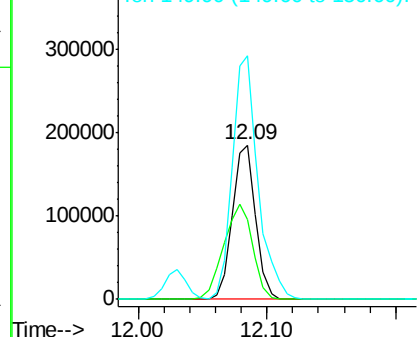
Tot Ion:	152	Resp:	233722
Ion Ratio	Lower	Upper	
152	100		
115	77.5	40.1	120.2
150	174.6	0.0	347.2

Manual Integrations
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sam
7/3/2018 3:54:00 PM



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



#73

Isopropylbenzene

Concen: 50.94 ug/l

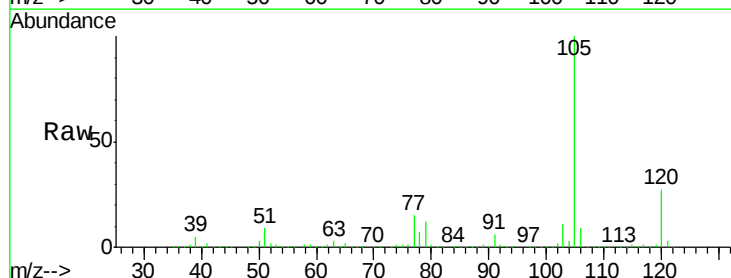
RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

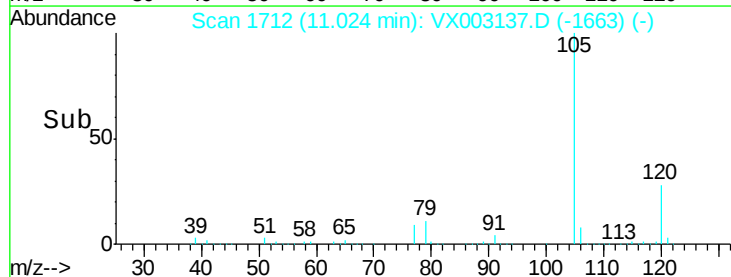
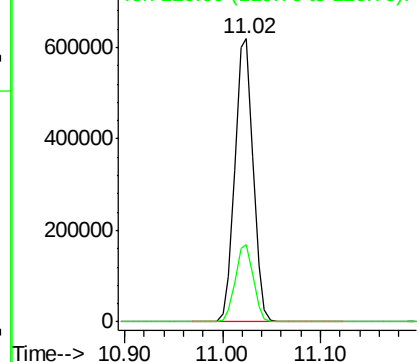
Lab File: VX003137.D

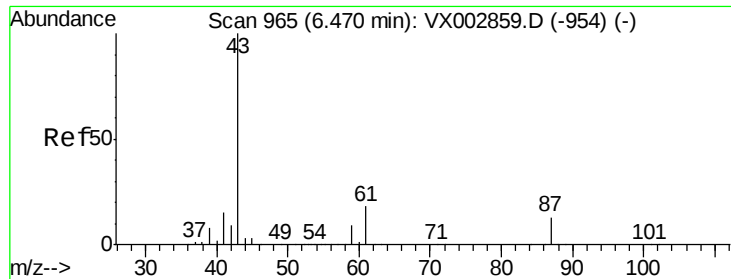
Acq: 02 Jul 2018 19:44

Tgt Ion:	105	Resp:	800875
Ion Ratio	Lower	Upper	
105	100		
120	27.2	13.5	40.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 49.79 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

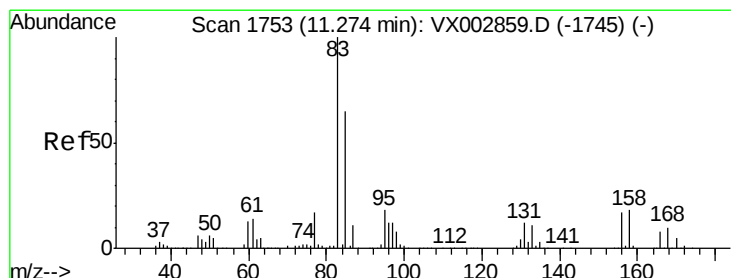
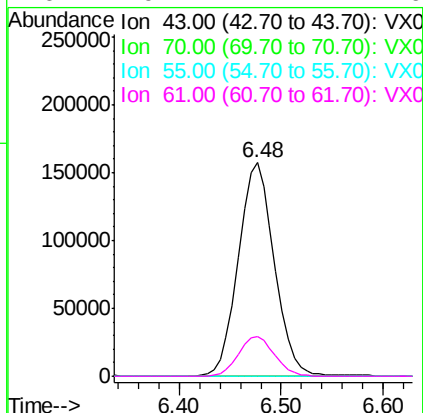
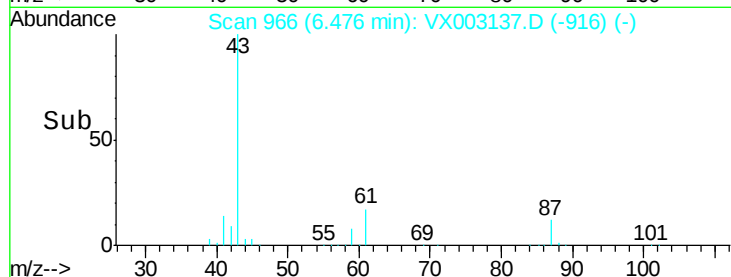
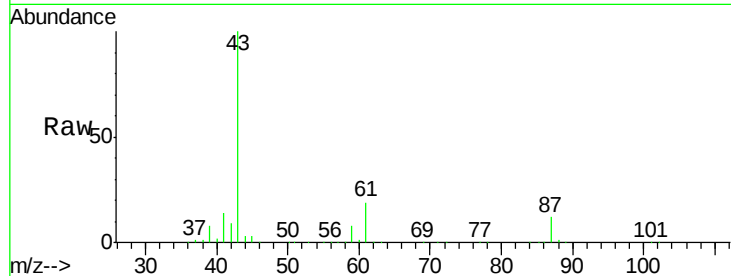
ClientSampleId :

SP18-MMW-3414MS

Tot Ion	Ratio	Resp	Lower	Upper
43	100	383065		
70	0.0	0.0	0.0#	
55	0.0	0.0	0.0#	
61	19.1	14.4	21.6	

Manual Integrations
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sam
7/3/2018 3:54:00 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 52.90 ug/l

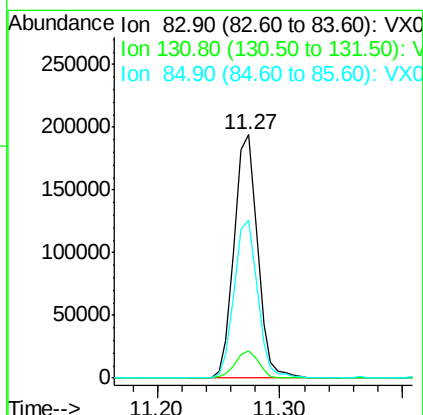
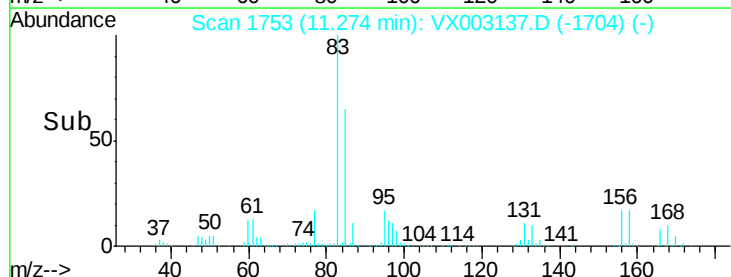
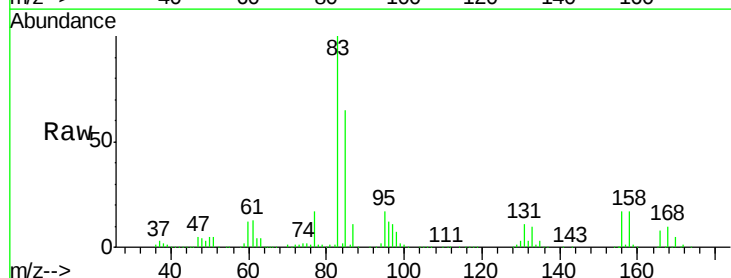
RT: 11.27 min Scan# 1753

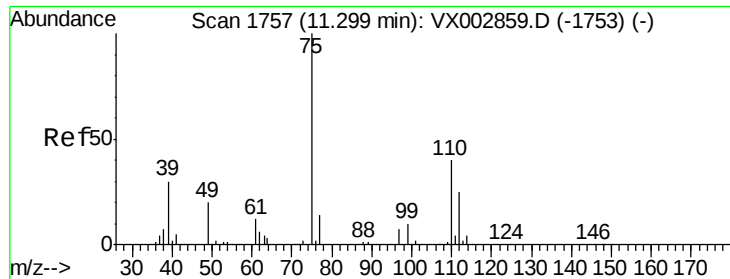
Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	256213		
131	11.3	5.6	16.8	
85	65.2	32.4	97.2	





#76

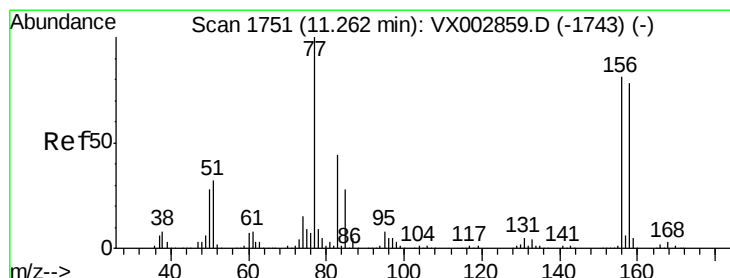
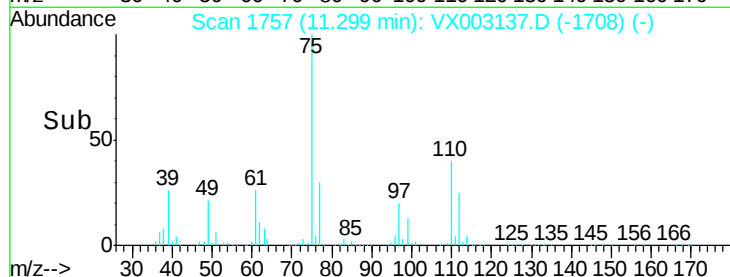
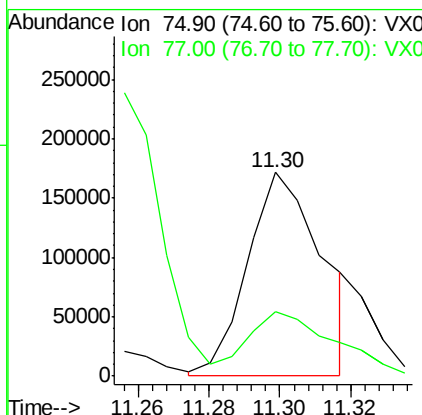
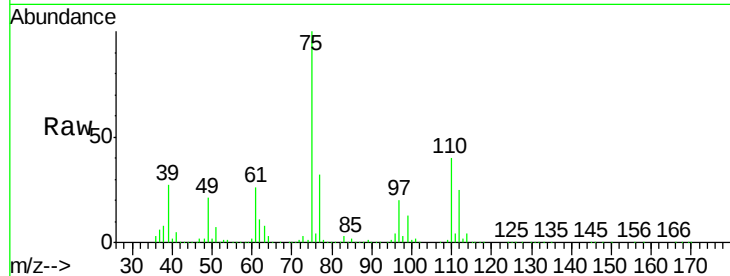
1,2,3-Trichloropropane
Concen: 59.03 ug/l m
RT: 11.30 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	37.4	22.8	68.3

Manual Integrations
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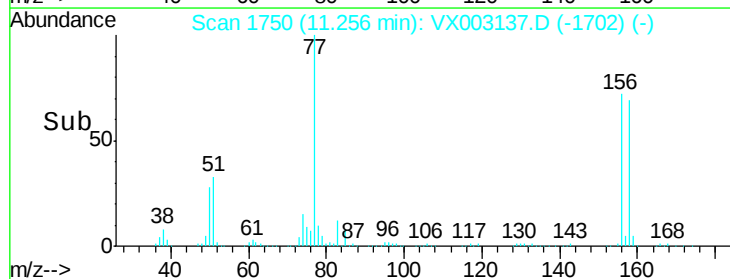
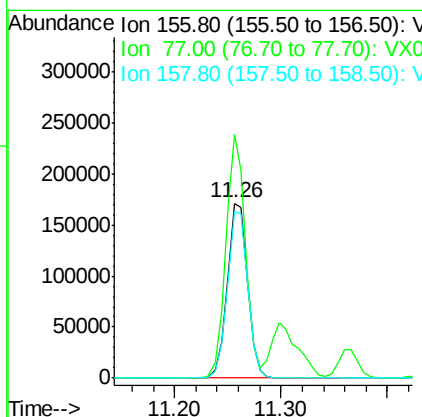
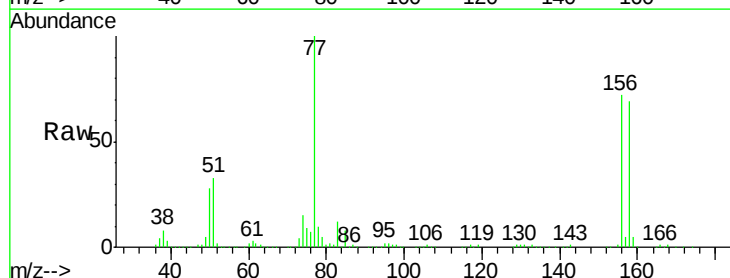
sam
7/3/2018 3:54:00 PM

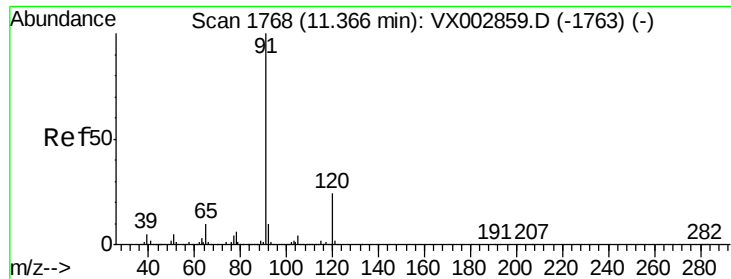


#77

Bromobenzene
Concen: 51.04 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
156	100		
77	133.9	71.4	214.2
158	96.7	48.9	146.6





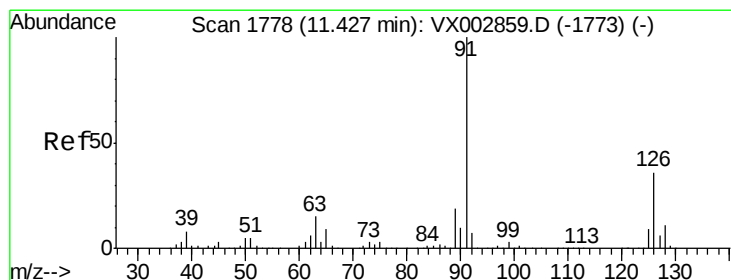
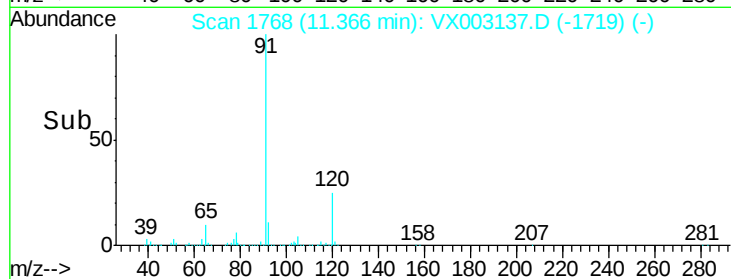
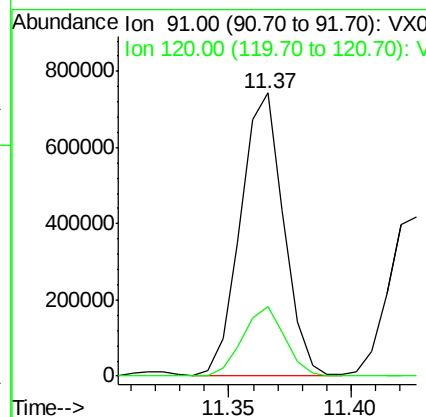
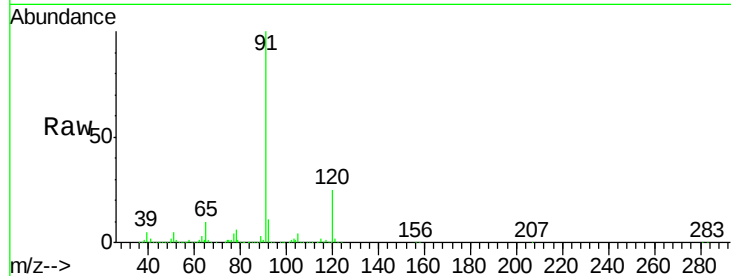
#78
n-propylbenzene
Concen: 50.51 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion: 91 Resp: 904073
Ion Ratio Lower Upper
91 100
120 24.4 11.8 35.4

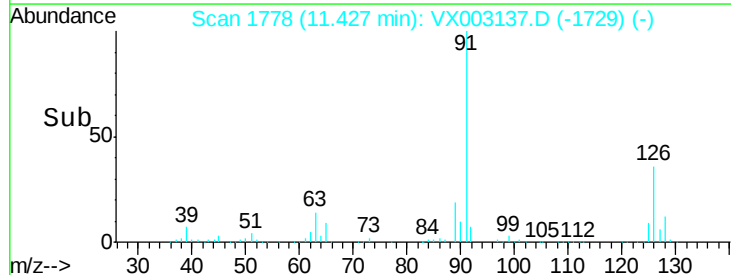
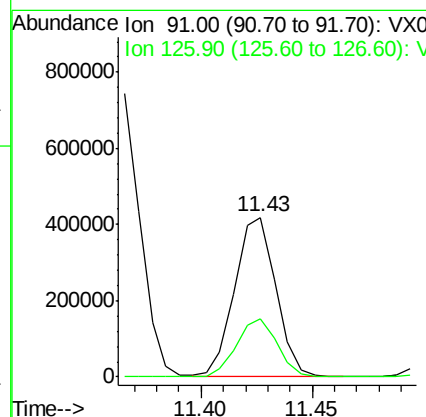
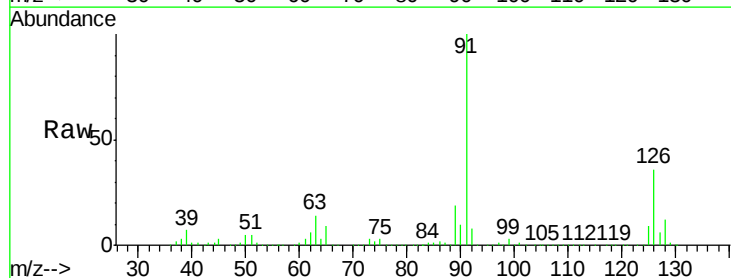
Manual Integrations
APPROVED

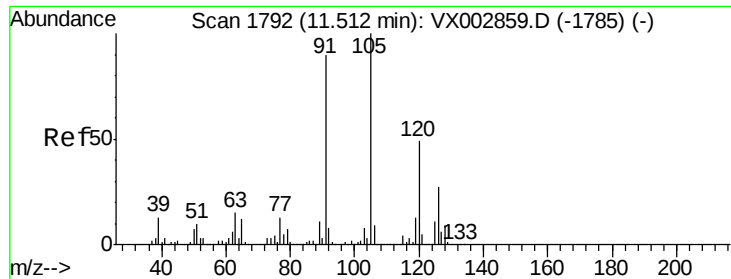
sam
7/3/2018 3:54:00 PM



#79
2-Chlorotoluene
Concen: 49.84 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion: 91 Resp: 540032
Ion Ratio Lower Upper
91 100
126 36.0 17.7 53.1





#80

1,3,5-Trimethylbenzene

Concen: 51.05 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

ClientSampleId :

SP18-MMW-3414MS

Tot Ion:105 Resp: 676040

Ion Ratio Lower Upper

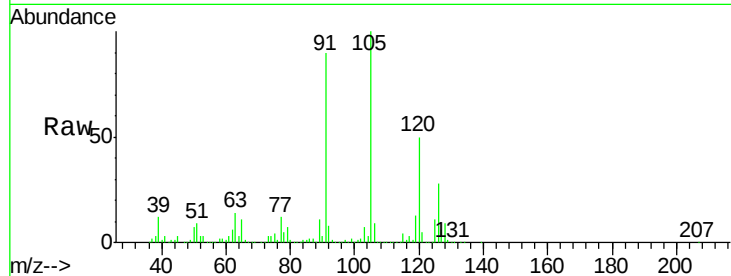
105 100

120 49.4 24.4 73.4

Manual Integrations
APPROVED

sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

600000

500000

400000

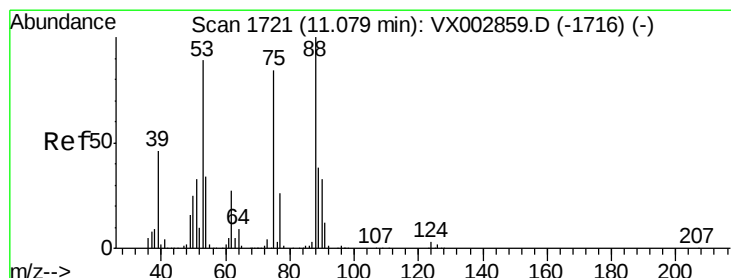
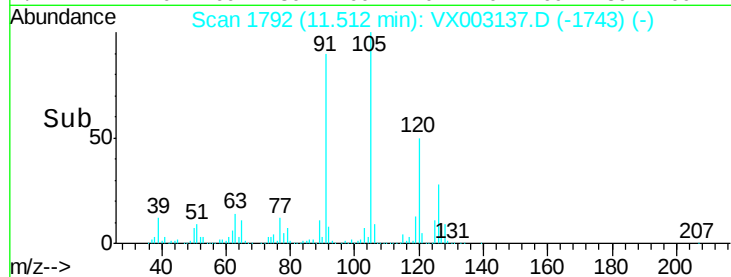
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 45.78 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

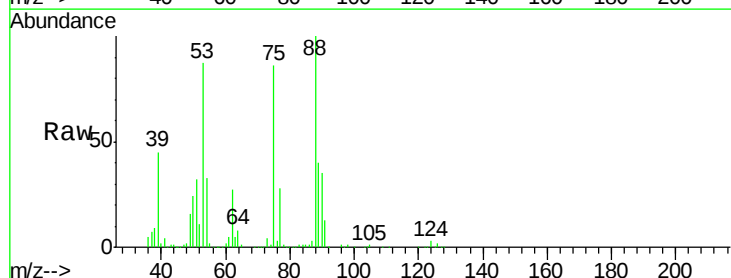
Tgt Ion: 75 Resp: 66353

Ion Ratio Lower Upper

75 100

53 106.0 86.8 130.2

89 47.6 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.08

100000

80000

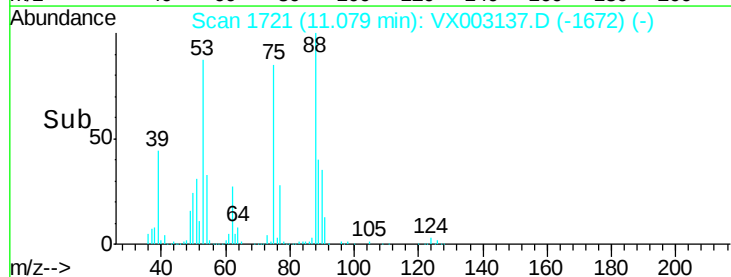
60000

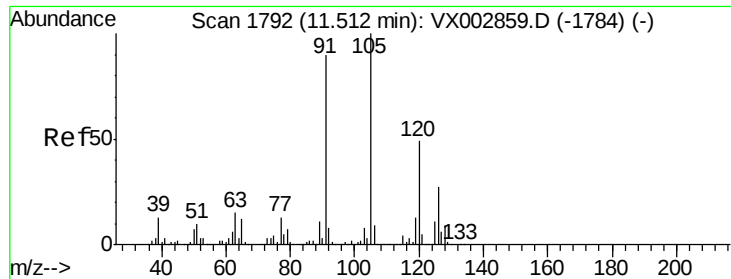
40000

20000

0

Time-->





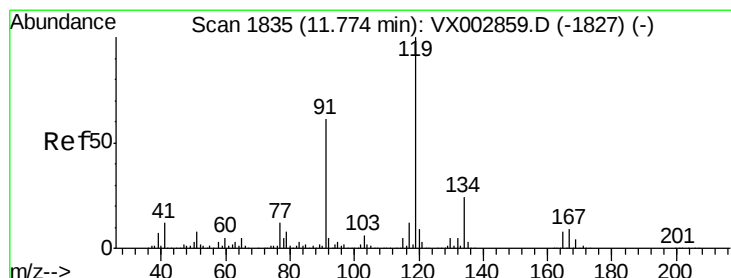
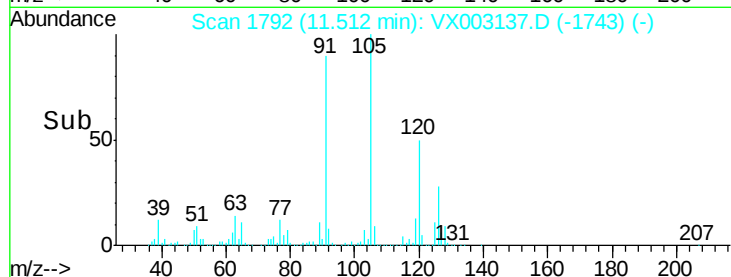
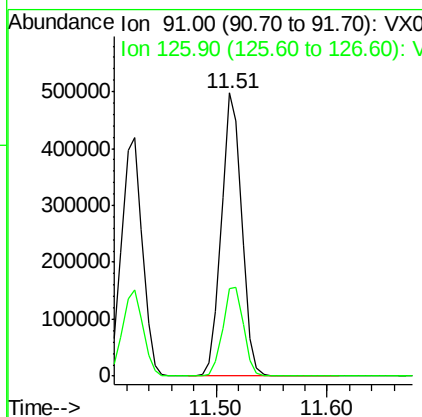
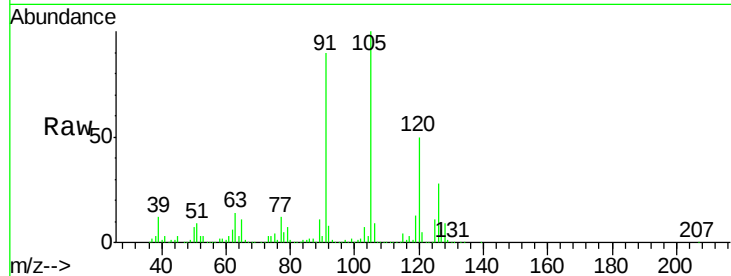
#82
4-Chlorotoluene
Concen: 49.00 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.4	46.4

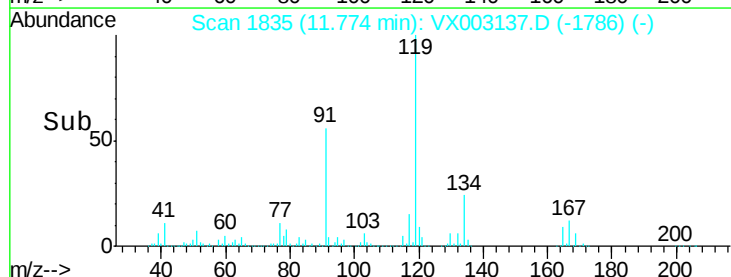
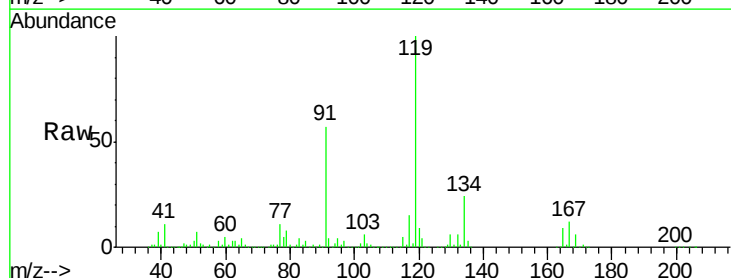
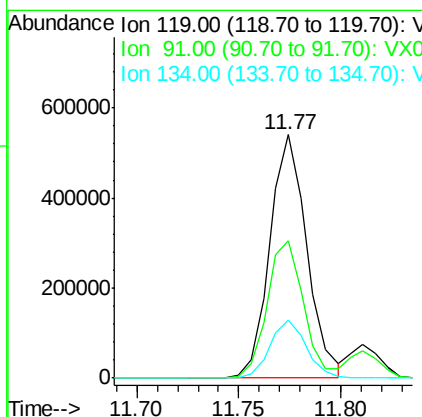
Manual Integrations
APPROVED

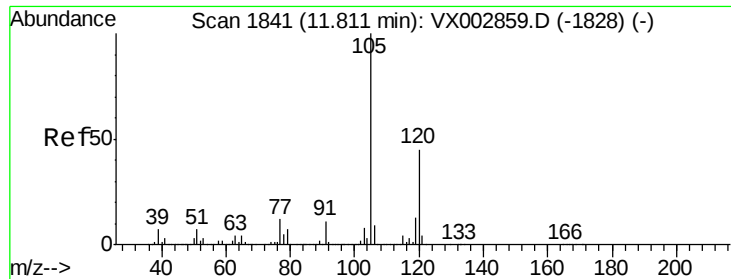
sam
7/3/2018 3:54:00 PM



#83
tert-Butylbenzene
Concen: 52.30 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
119	100		
91	56.2	30.3	90.9
134	23.4	11.7	35.1





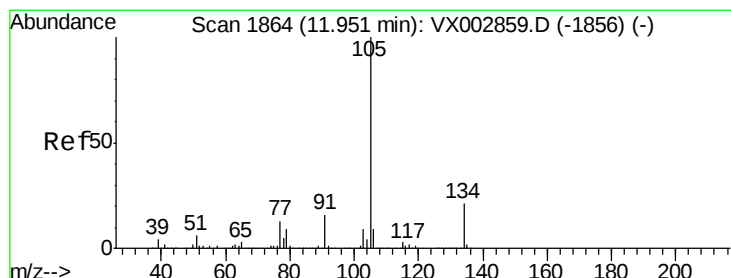
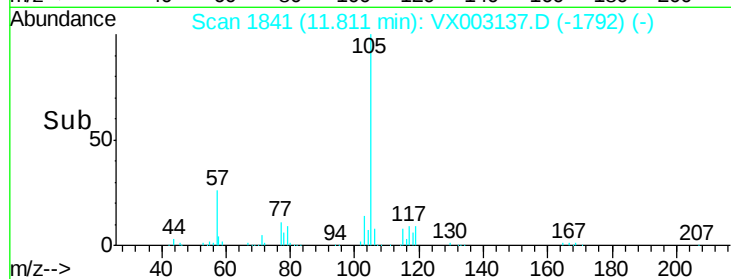
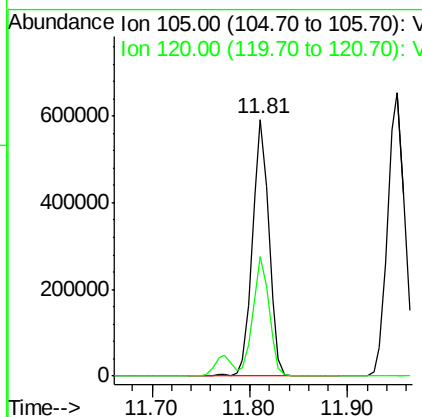
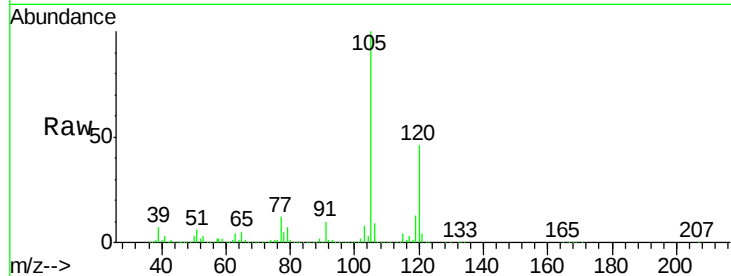
#84
 1,2,4-Trimethylbenzene
 Concen: 50.51 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003137.D
 Acq: 02 Jul 2018 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.3	66.8

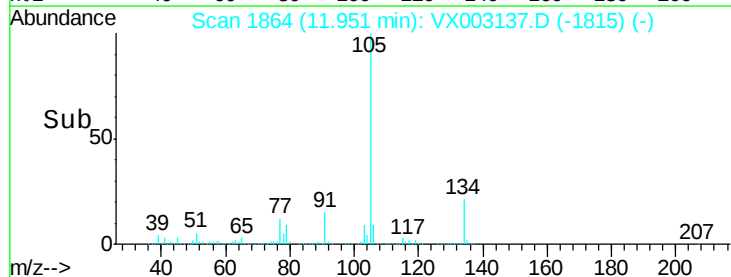
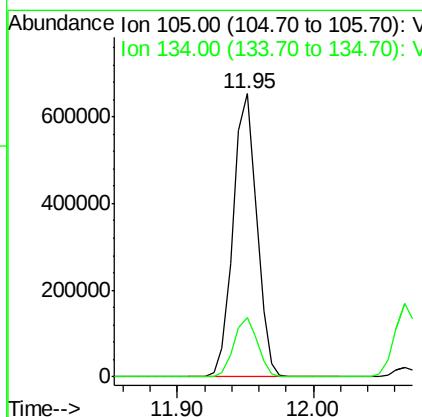
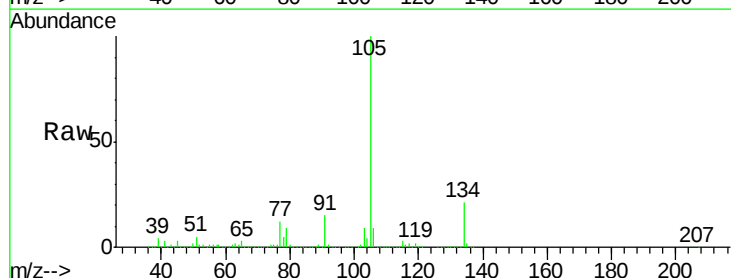
Manual Integrations
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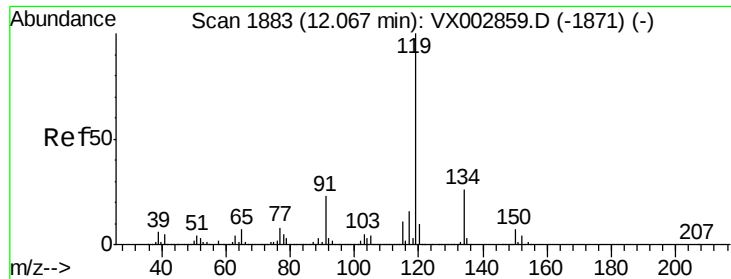
sam
 7/3/2018 3:54:00 PM



#85
 sec-Butylbenzene
 Concen: 50.11 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003137.D
 Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.4	31.1





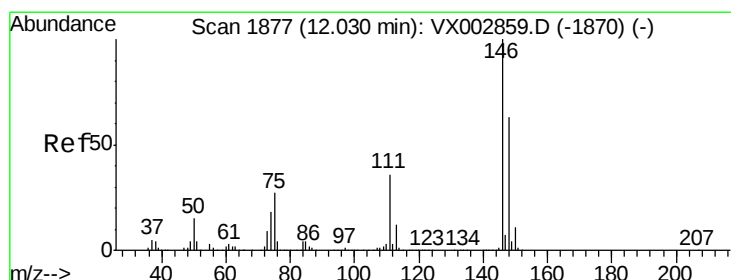
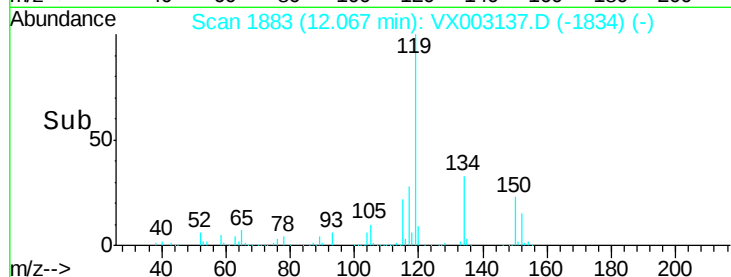
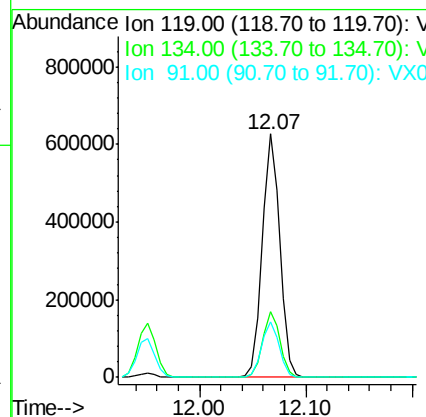
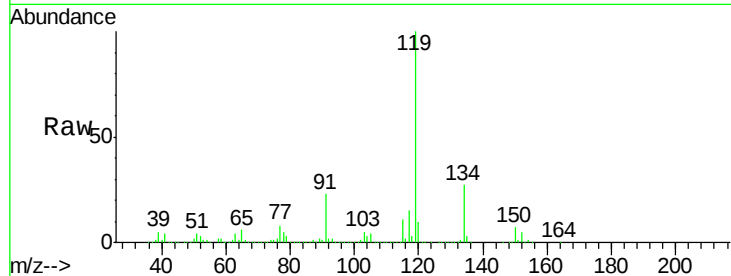
#86
p-Isopropyltoluene
Concen: 50.99 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	725841		
134	26.7		13.4	40.1
91	22.8		11.9	35.7

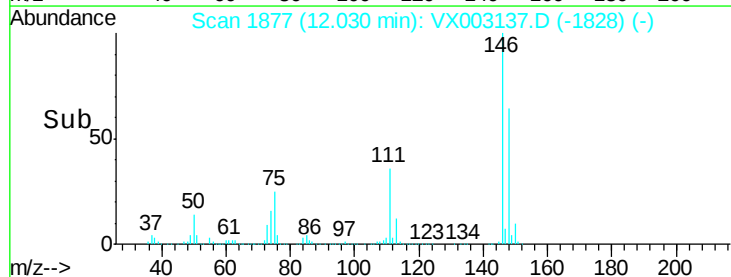
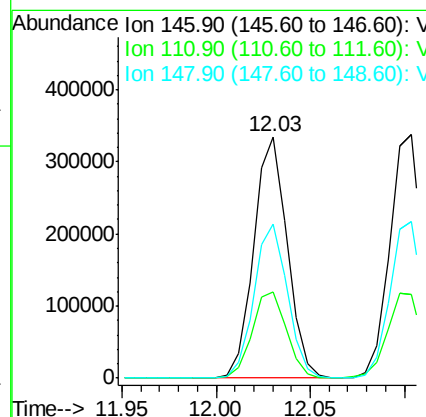
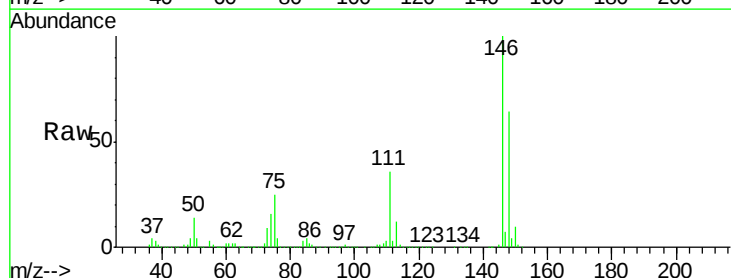
Manual Integrations
APPROVED

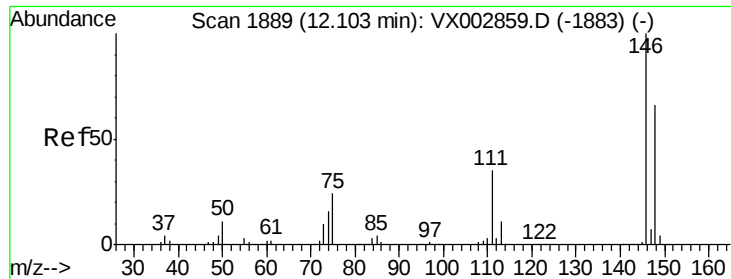
sam
7/3/2018 3:54:00 PM



#87
1,3-Dichlorobenzene
Concen: 50.29 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	411269		
111	36.8		18.9	56.7
148	64.0		32.1	96.3





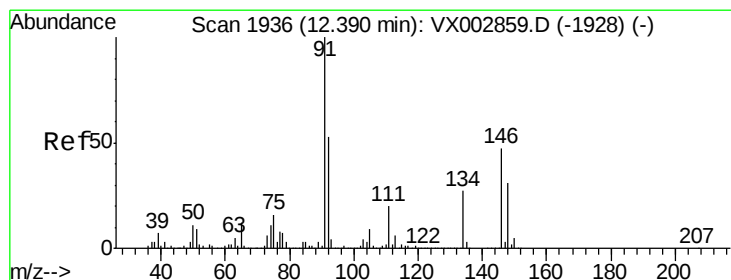
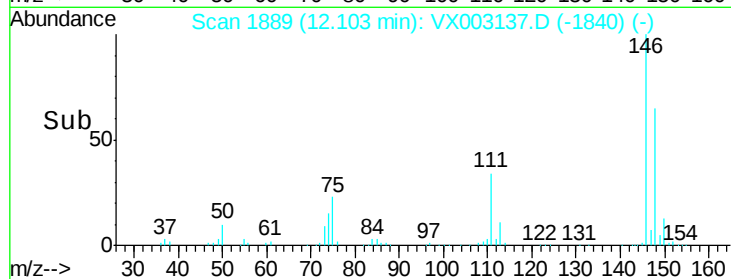
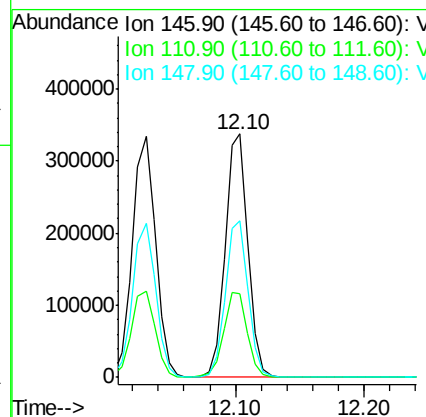
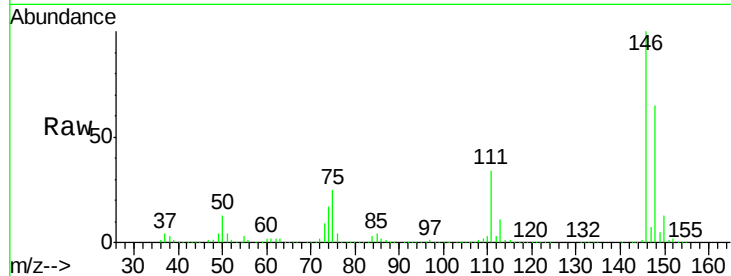
#88
 1,4-Dichlorobenzene
 Concen: 49.75 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003137.D
 Acq: 02 Jul 2018 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.7	56.1
148	64.7	32.4	97.0

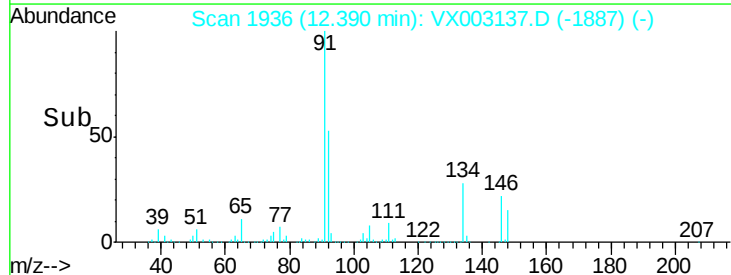
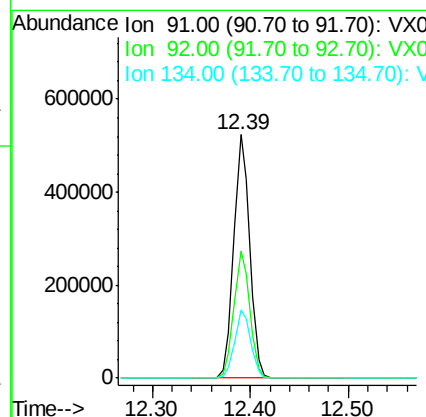
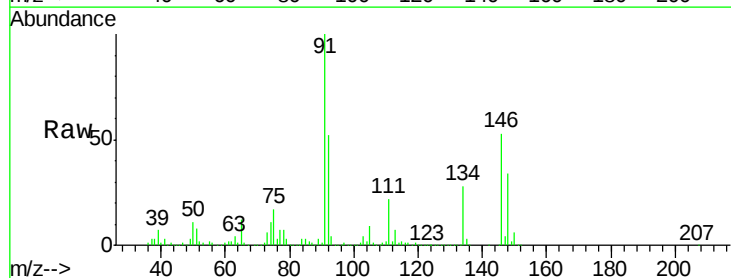
Manual Integrations
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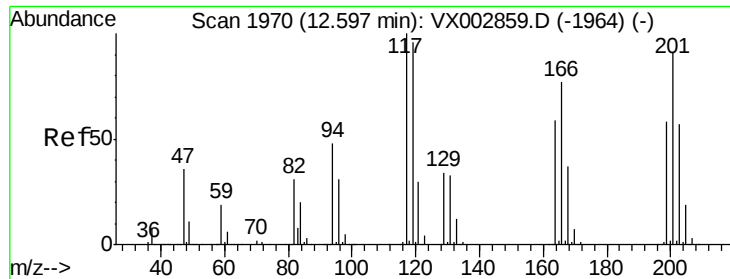
sam
 7/3/2018 3:54:00 PM



#89
 n-Butylbenzene
 Concen: 47.82 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX003137.D
 Acq: 02 Jul 2018 19:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	28.0	13.5	40.5





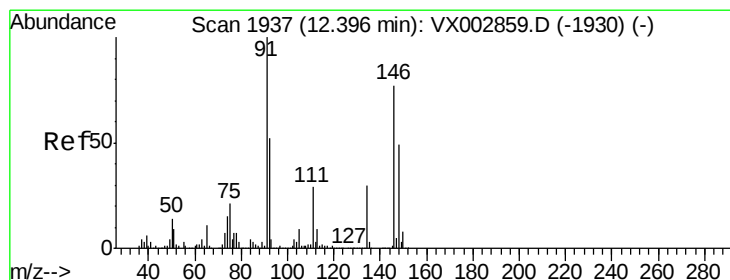
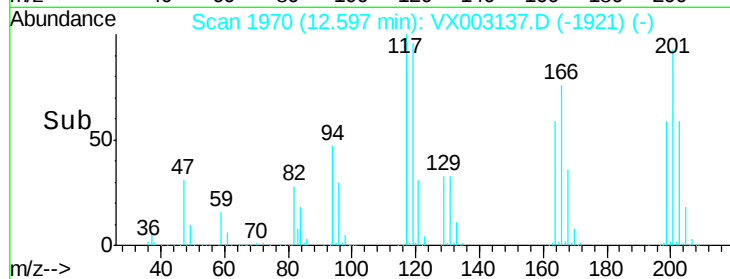
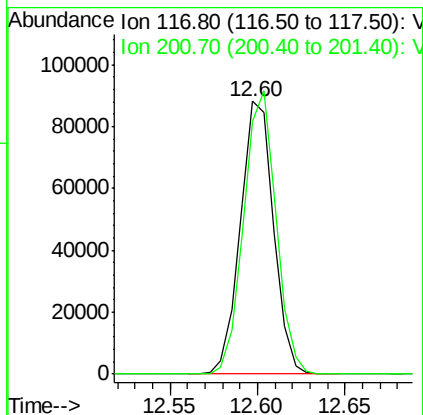
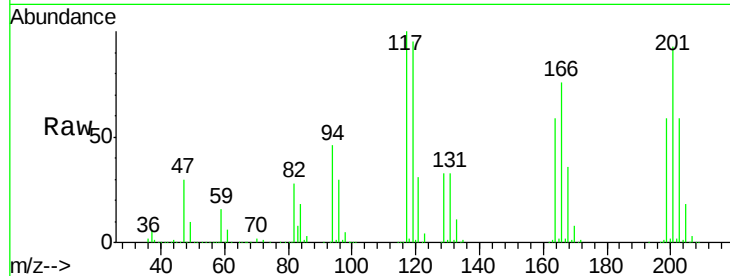
#90
Hexachloroethane
Concen: 55.00 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Instrument :
MSVOA_X
ClientSampleId :
SP18-MMW-3414MS

Tot Ion:117 Resp: 116453
Ion Ratio Lower Upper
117 100
201 100.6 49.0 147.0

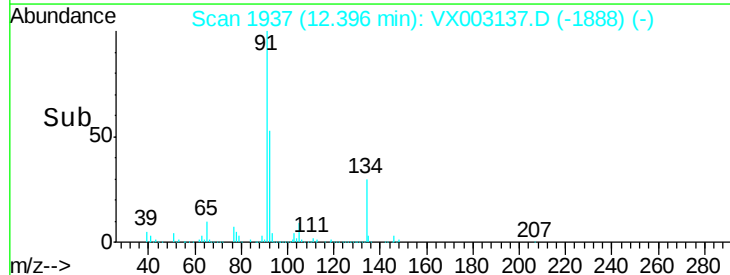
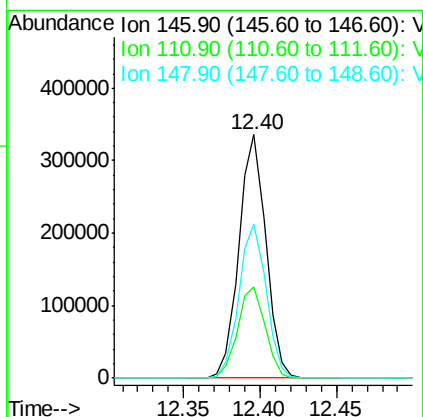
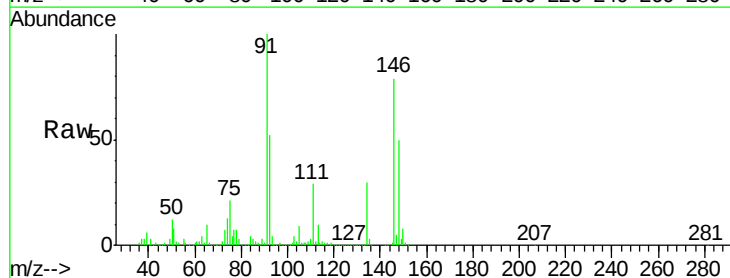
Manual Integrations
APPROVED

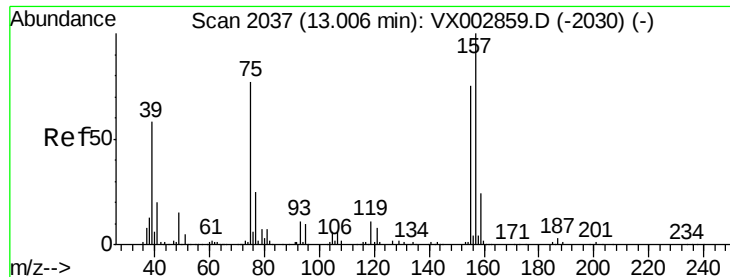
sam
7/3/2018 3:54:00 PM



#91
1,2-Dichlorobenzene
Concen: 49.76 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX003137.D
Acq: 02 Jul 2018 19:44

Tgt Ion:146 Resp: 410694
Ion Ratio Lower Upper
146 100
111 38.5 19.4 58.1
148 64.2 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 56.25 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

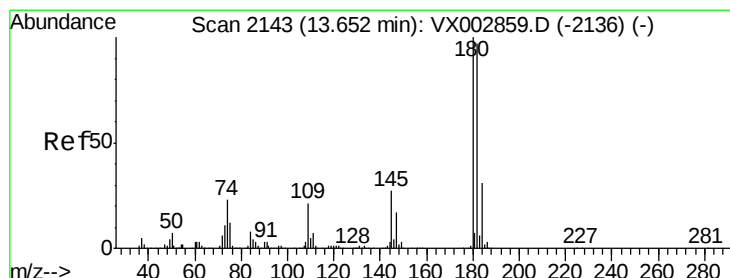
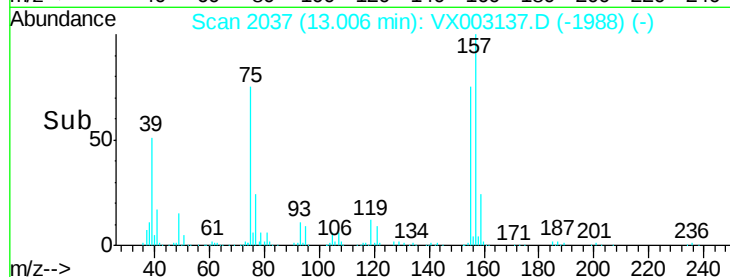
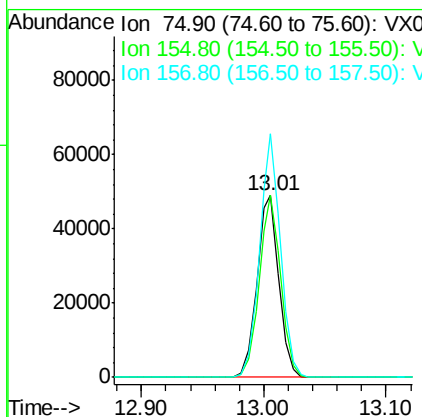
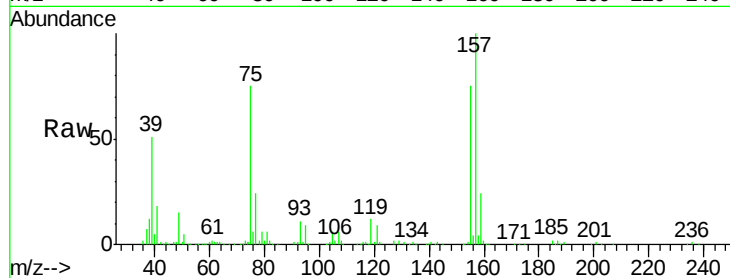
ClientSampleId :

SP18-MMW-3414MS

Tot Ion:	75	Resp:	61246
Ion	Ratio	Lower	Upper
75	100		
155	97.8	45.8	137.4
157	126.7	60.1	180.3

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#93

1,2,4-Trichlorobenzene

Concen: 50.42 ug/l

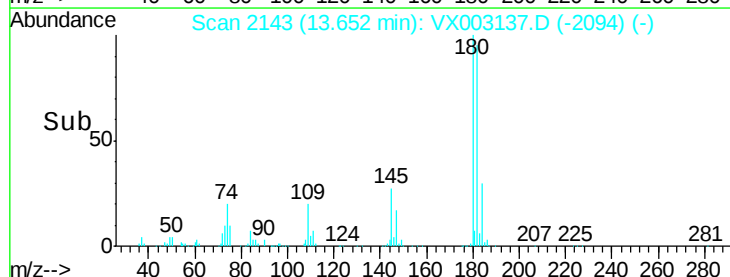
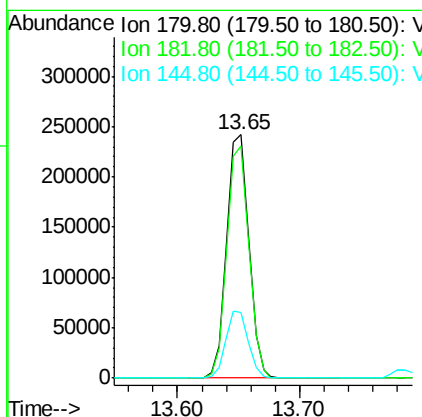
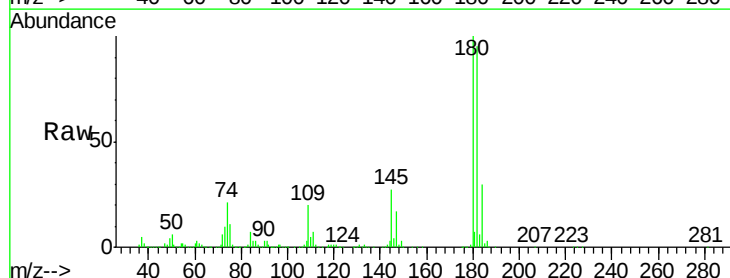
RT: 13.65 min Scan# 2143

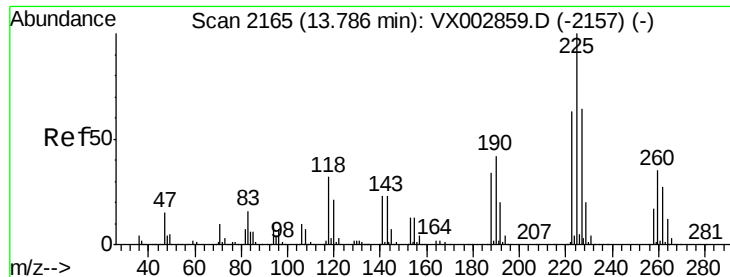
Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Tgt Ion:	180	Resp:	302900
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.7	143.1
145	27.7	14.1	42.4





#94

Hexachlorobutadiene

Concen: 48.08 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Instrument :

MSVOA_X

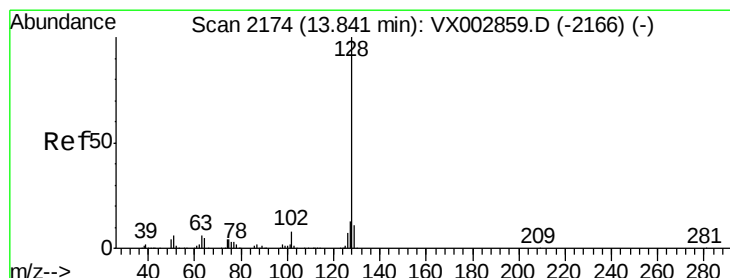
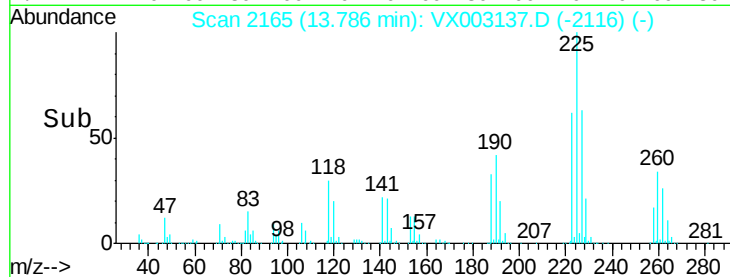
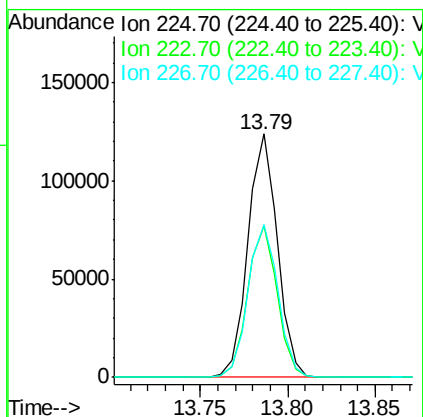
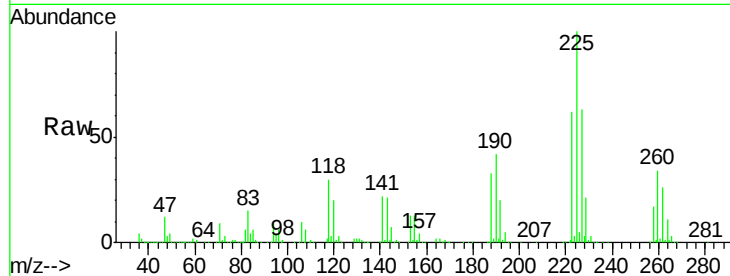
ClientSampleId :

SP18-MMW-3414MS

Tot Ion:	225	Resp:	144055
Ion Ratio		Lower	Upper
225	100		
223	62.2	31.6	95.0
227	63.9	32.4	97.2

Manual Integrations
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#95

Naphthalene

Concen: 55.83 ug/l

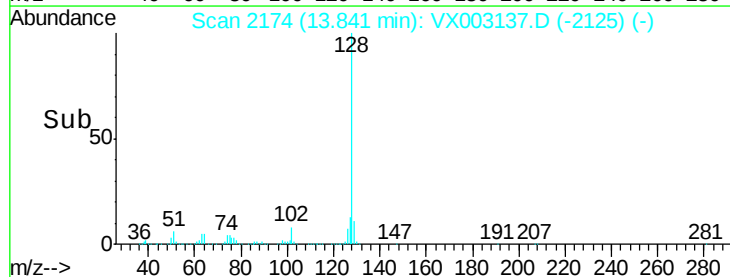
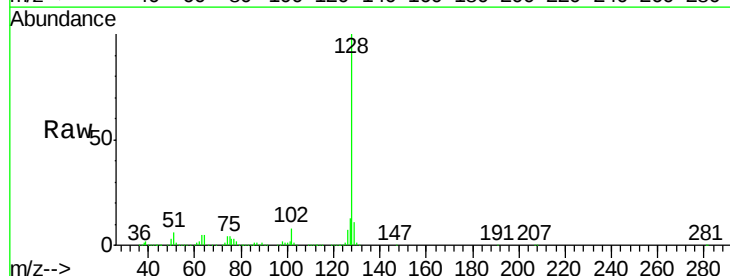
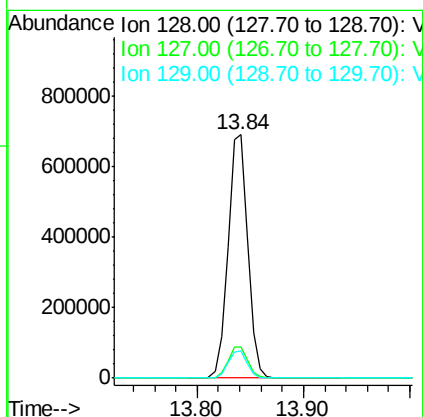
RT: 13.84 min Scan# 2174

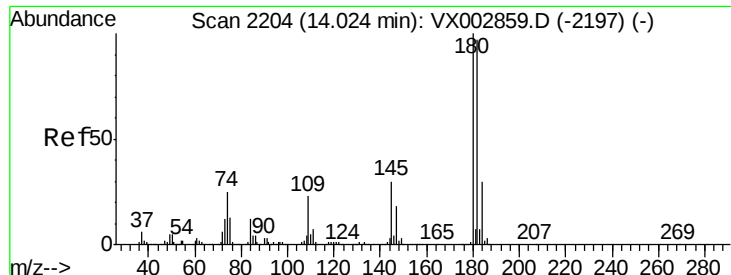
Delta R.T. -0.00 min

Lab File: VX003137.D

Acq: 02 Jul 2018 19:44

Tgt Ion:	128	Resp:	893207
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 52.04 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX003137.D
 Acq: 02 Jul 2018 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-MMW-3414MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.2	48.0	144.0
145	29.4	14.8	44.3

Manual Integrations
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