

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070318\
 Data File : VX003163.D
 Acq On : 03 Jul 2018 21:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 7/5/2018 2:29:07 PM

Quant Time: Jul 04 05:13:41 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	263718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	364933	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	350622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228887	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	175517	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	5.51	113	148926	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	8.72	98	527369	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.14	95	204115	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	136696	58.104	ug/l	98
3) Chloromethane	1.32	50	145221	59.632	ug/l	99
4) Vinyl Chloride	1.40	62	162740	54.567	ug/l	98
5) Bromomethane	1.64	94	53840	38.021	ug/l	99
6) Chloroethane	1.71	64	100260	57.622	ug/l	97
7) Trichlorofluoromethane	1.92	101	250688	49.831	ug/l	97
8) Diethyl Ether	2.19	74	95603	52.274	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	147006	50.431	ug/l	97
10) Methyl Iodide	2.51	142	137571	46.968	ug/l	96
11) Tert butyl alcohol	3.09	59	191755	264.075	ug/l	99
12) 1,1-Dichloroethene	2.37	96	133070	51.164	ug/l	91
13) Acrolein	2.30	56	59812	150.292	ug/l	100
14) Allyl chloride	2.73	41	258184	50.359	ug/l	95
15) Acrylonitrile	3.15	53	427600	275.694	ug/l	99
16) Acetone	2.45	43	387634	256.788	ug/l	95
17) Carbon Disulfide	2.57	76	360043	51.957	ug/l	98
18) Methyl Acetate	2.78	43	220471	52.238	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	473739	50.666	ug/l	99
20) Methylene Chloride	2.85	84	158994	54.124	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	143061	50.502	ug/l	94
22) Diisopropyl ether	3.88	45	493591	50.366	ug/l	99
23) Vinyl Acetate	3.83	43	2177827	262.441	ug/l	98
24) 1,1-Dichloroethane	3.70	63	269938	50.678	ug/l	99
25) 2-Butanone	4.72	43	636507	284.115	ug/l	97
26) 2,2-Dichloropropane	4.59	77	160174	36.981	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	167902	52.863	ug/l	94
28) Bromochloromethane	5.03	49	130125	51.038	ug/l	90
29) Tetrahydrofuran	5.17	42	408246	284.164	ug/l	96
30) Chloroform	5.22	83	291473	53.321	ug/l	99
31) Cyclohexane	5.57	56	242754	53.105	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	257152	53.467	ug/l	98
36) 1,1-Dichloropropene	5.80	75	209929	52.456	ug/l	99
37) Ethyl Acetate	4.87	43	243796	56.579	ug/l	99
38) Carbon Tetrachloride	5.79	117	234978	53.505	ug/l	99

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 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	243311	52.196	ug/l	99
40) Benzene	6.15	78	637456	54.821	ug/l	99
41) Methacrylonitrile	5.07	41	137149	55.274	ug/l	98
42) 1,2-Dichloroethane	6.20	62	237726	50.611	ug/l	99
43) Isopropyl Acetate	6.48	43	387057	53.560	ug/l	98
44) Trichloroethene	7.22	130	183914	53.050	ug/l	99
45) 1,2-Dichloropropane	7.52	63	163768	53.095	ug/l	100
46) Dibromomethane	7.66	93	113725	53.128	ug/l	96
47) Bromodichloromethane	7.90	83	217259	54.901	ug/l	98
48) Methyl methacrylate	7.79	41	203856	54.748	ug/l	94
49) 1,4-Dioxane	7.76	88	86984	1200.699	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1279758	283.046	ug/l	97
52) Toluene	8.79	92	408566	54.848	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	244113	54.469	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	224428	52.044	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	168467	55.037	ug/l	97
56) Ethyl methacrylate	9.19	69	257036	57.456	ug/l	92
57) 1,3-Dichloropropane	9.38	76	274861	54.673	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	574991	266.418	ug/l	97
59) 2-Hexanone	9.50	43	987857	287.479	ug/l	96
60) Dibromochloromethane	9.59	129	183600	56.978	ug/l	100
61) 1,2-Dibromoethane	9.68	107	180178	56.118	ug/l	100
64) Tetrachloroethene	9.34	164	213378	54.730	ug/l	98
65) Chlorobenzene	10.14	112	469474	52.716	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	176892	54.678	ug/l	100
67) Ethyl Benzene	10.26	91	791198	53.781	ug/l	100
68) m/p-Xylenes	10.36	106	620680	109.470	ug/l	97
69) o-Xylene	10.70	106	302104	54.721	ug/l	98
70) Styrene	10.71	104	508192	56.650	ug/l	99
71) Bromoform	10.86	173	147786	50.515	ug/l	100
73) Isopropylbenzene	11.02	105	817872	53.116	ug/l	99
74) N-amyl acetate	6.48	43	387057	51.375	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	259070	54.620	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	220470m	53.177	ug/l	
77) Bromobenzene	11.26	156	230186	52.495	ug/l	96
78) n-propylbenzene	11.37	91	924908	52.770	ug/l	99
79) 2-Chlorotoluene	11.43	91	547100	51.558	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	690473	53.241	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	64970	45.772	ug/l	97
82) 4-Chlorotoluene	11.51	91	645696	51.400	ug/l	98
83) tert-Butylbenzene	11.77	119	677138	52.979	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	709298	52.787	ug/l	98
85) sec-Butylbenzene	11.95	105	807285	52.065	ug/l	98
86) p-Isopropyltoluene	12.07	119	740080	53.090	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	418159	52.213	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	419737	50.929	ug/l	99
89) n-Butylbenzene	12.39	91	603601	49.748	ug/l	99
90) Hexachloroethane	12.60	117	111205	53.633	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	420749	52.052	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	58448	54.815	ug/l	92

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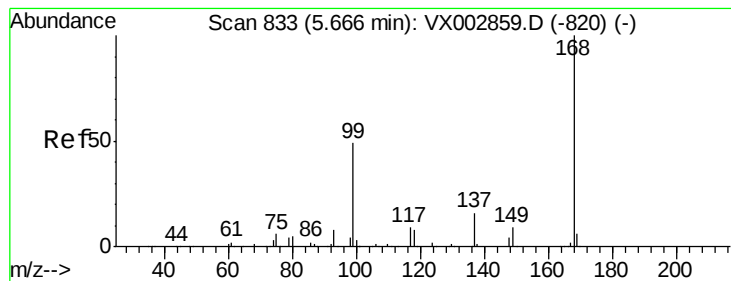
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	307491	52.270	ug/l	99
94) Hexachlorobutadiene	13.79	225	149137	50.830	ug/l	99
95) Naphthalene	13.84	128	896836	57.238	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	321533	54.721	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 263718

Ion Ratio Lower Upper

168 100

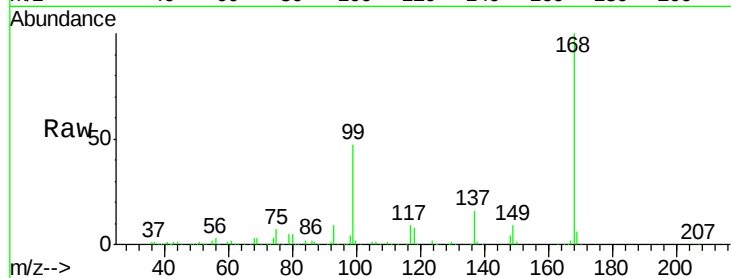
99 47.2 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

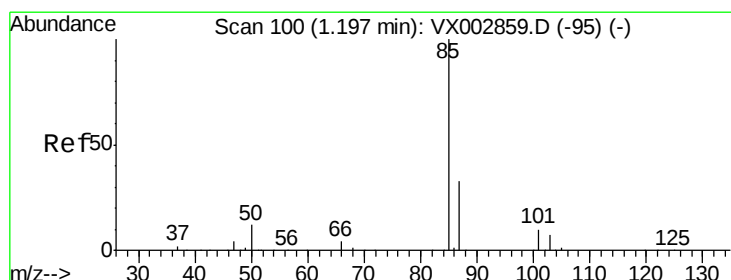
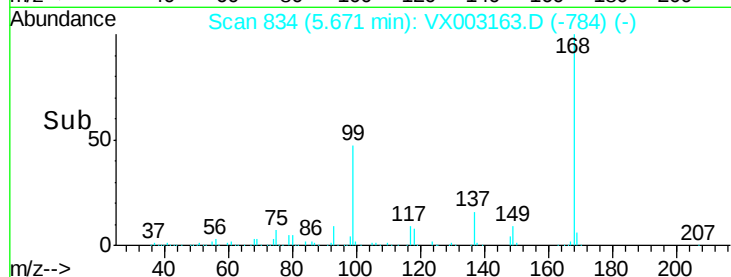
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 58.104 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003163.D

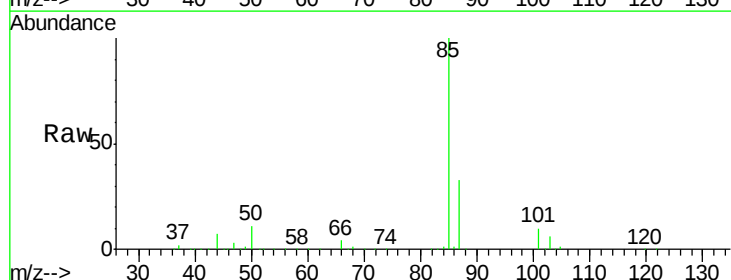
Acq: 03 Jul 2018 21:40

Tgt Ion: 85 Resp: 136696

Ion Ratio Lower Upper

85 100

87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

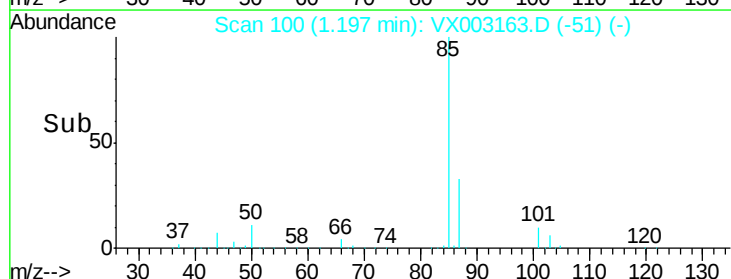
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 59.632 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 145221

Ion Ratio Lower Upper

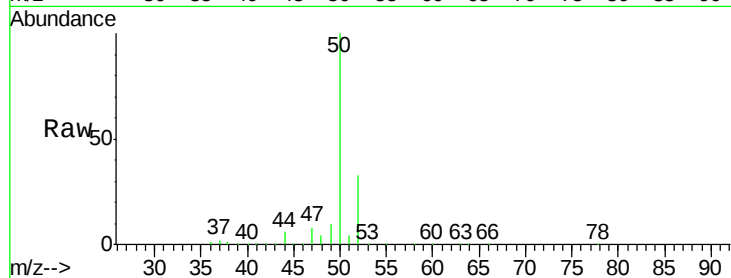
50 100

52 32.9 25.7 38.5

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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

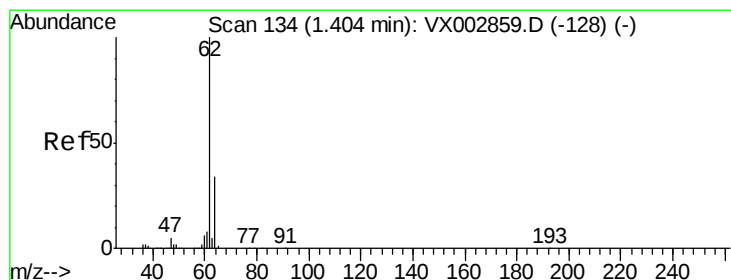
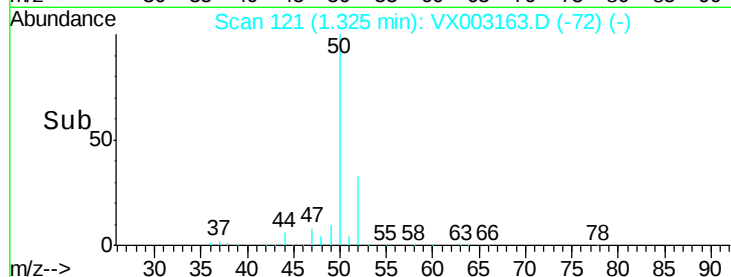
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 54.567 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003163.D

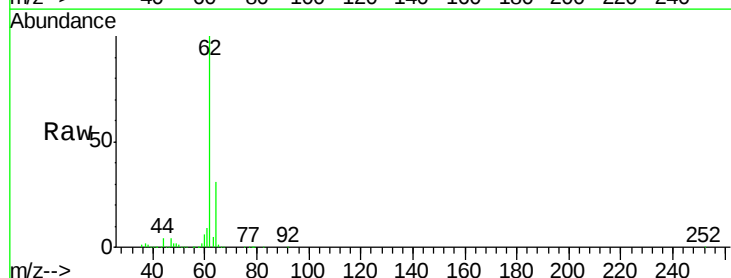
Acq: 03 Jul 2018 21:40

Tgt Ion: 62 Resp: 162740

Ion Ratio Lower Upper

62 100

64 30.8 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

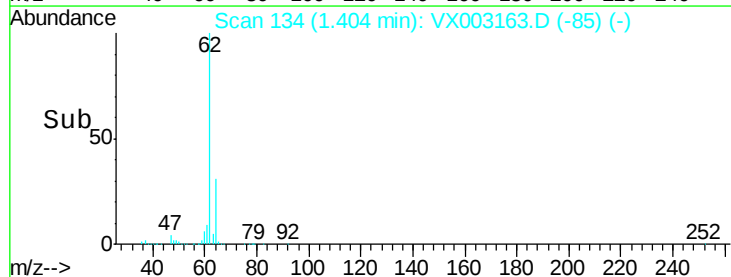
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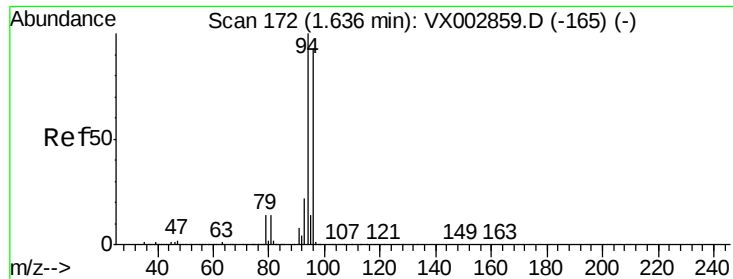
100000

50000

0

Time-->





#5

Bromomethane

Concen: 38.021 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 53840

Ion Ratio Lower Upper

94 100

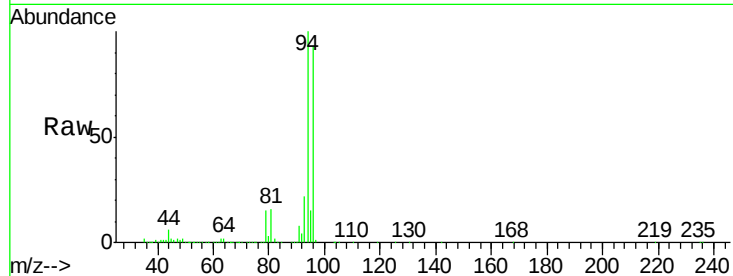
96 92.6 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

60000

50000

40000

30000

20000

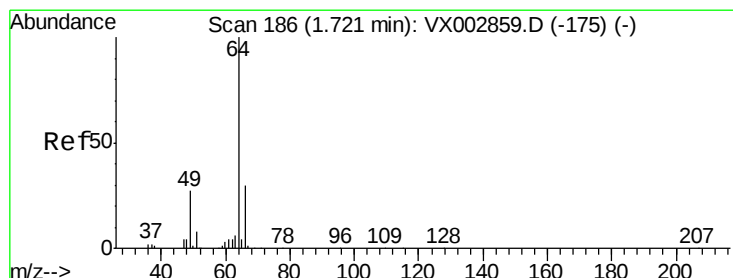
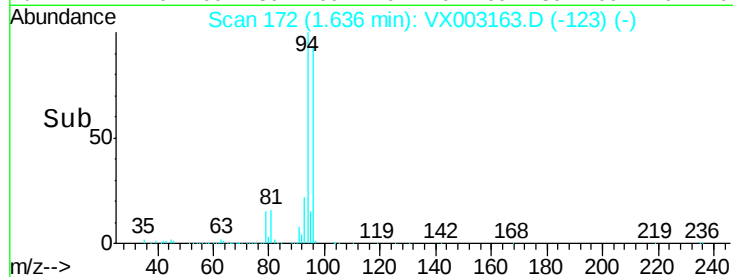
10000

0

1.64

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 57.622 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003163.D

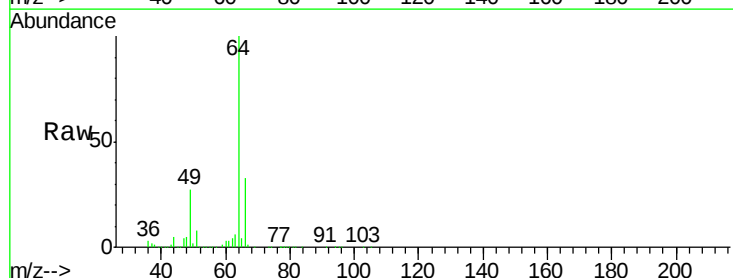
Acq: 03 Jul 2018 21:40

Tgt Ion: 64 Resp: 100260

Ion Ratio Lower Upper

64 100

66 33.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80000

60000

40000

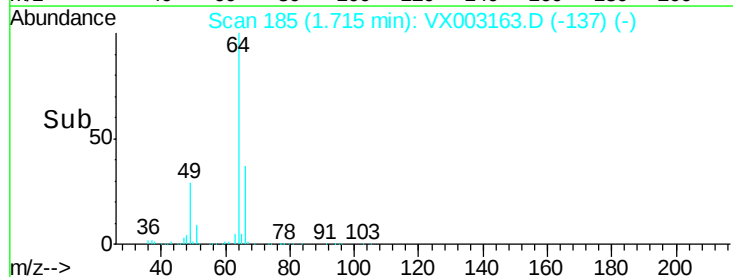
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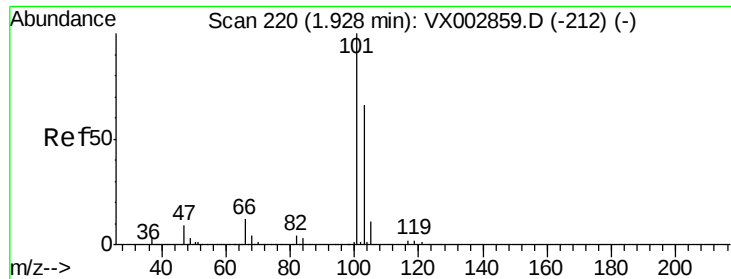
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1.71

1.70 1.80

Time-->





#7

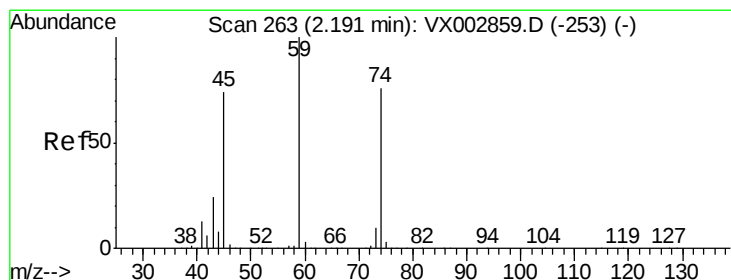
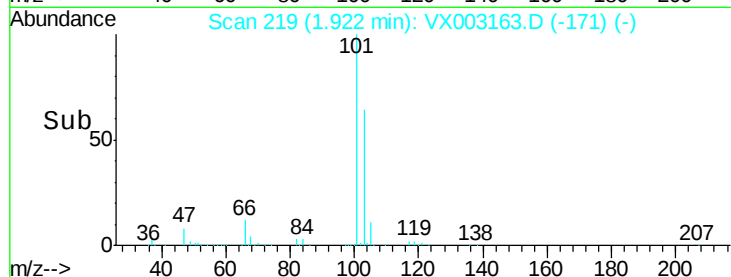
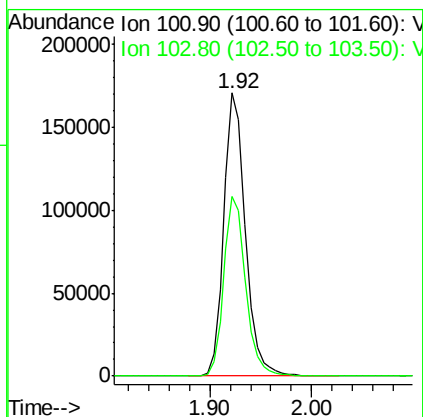
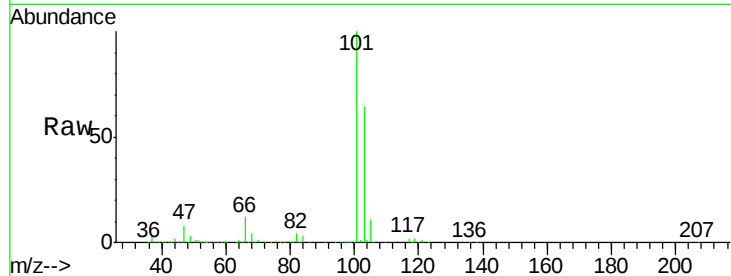
Trichlorofluoromethane
 Concen: 49.831 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX003163.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.8	79.2

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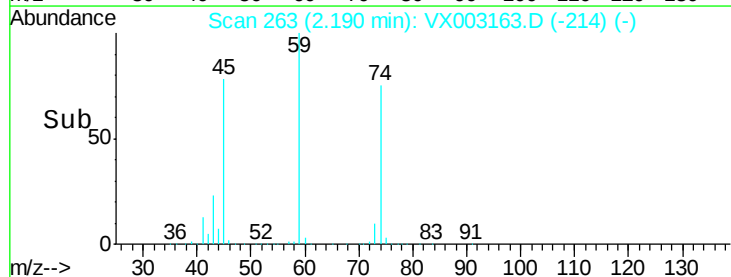
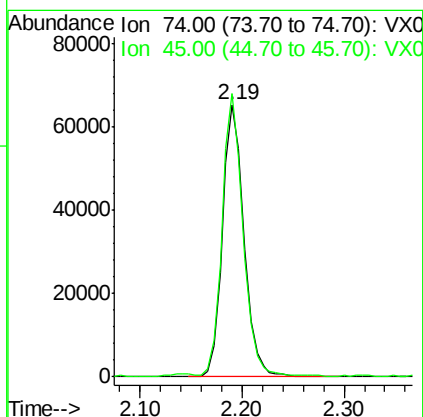
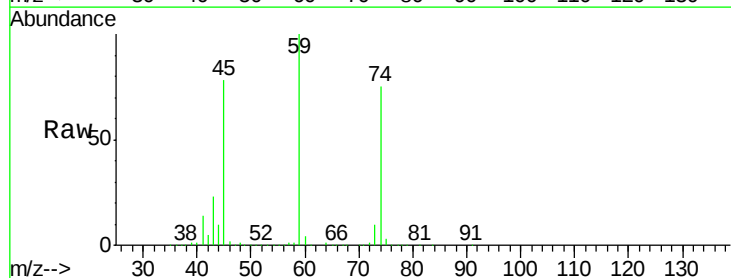
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#8

Diethyl Ether
 Concen: 52.274 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.431 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

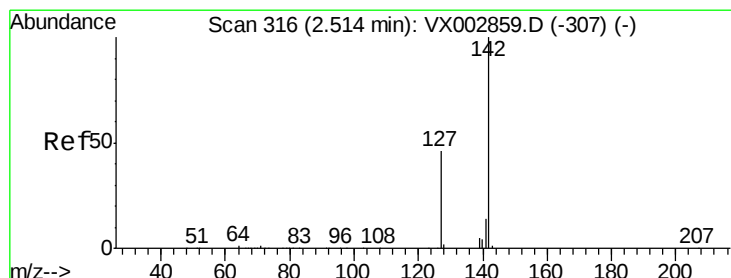
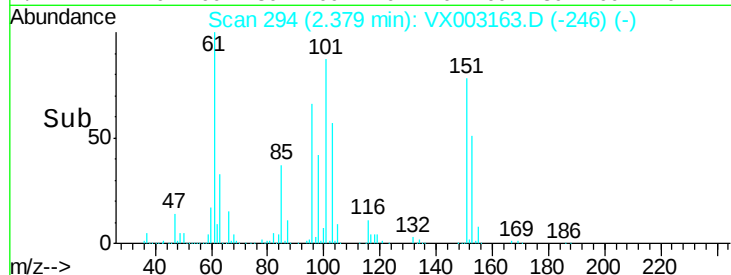
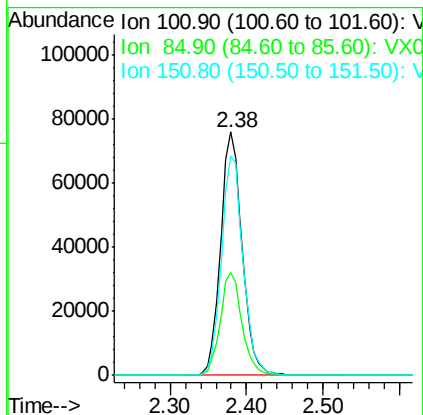
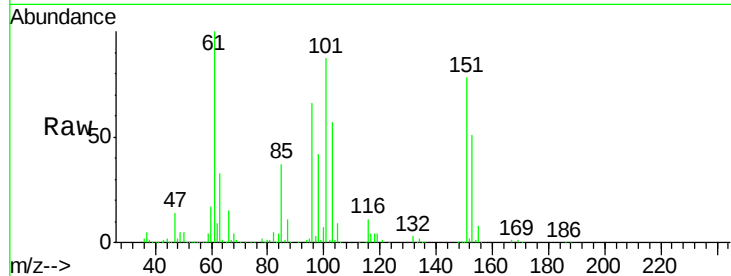
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	147006
Ion Ratio	Lower	Upper	
101	100		
85	42.8	36.0	54.0
151	91.1	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 46.968 ug/l

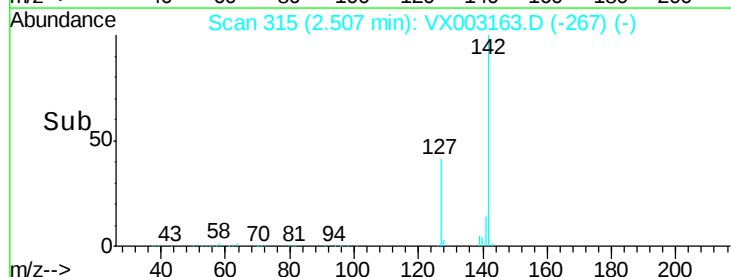
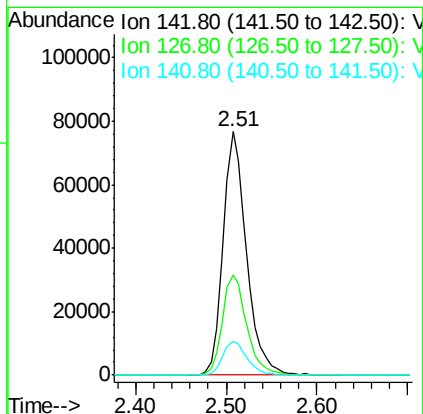
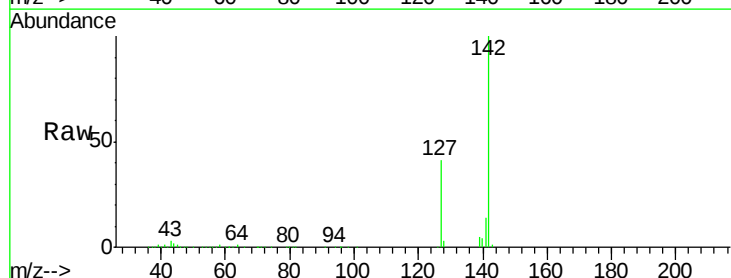
RT: 2.51 min Scan# 315

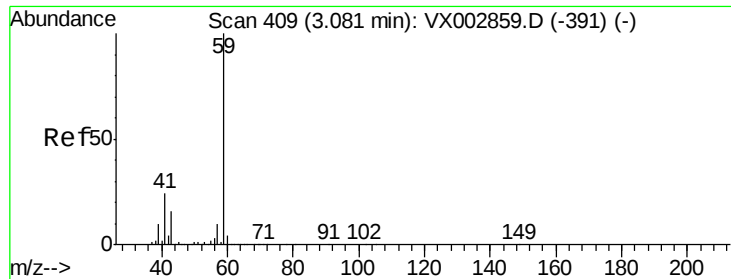
Delta R.T. -0.01 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Tgt Ion:	142	Resp:	137571
Ion Ratio	Lower	Upper	
142	100		
127	42.7	36.6	55.0
141	14.4	11.3	16.9





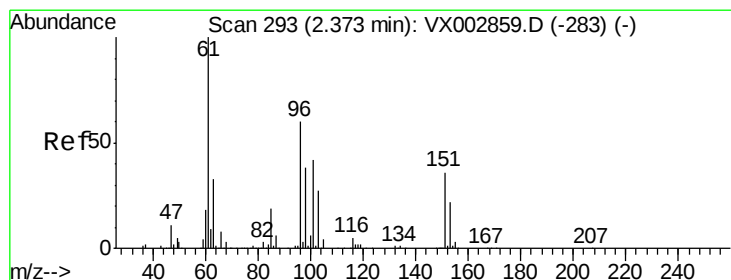
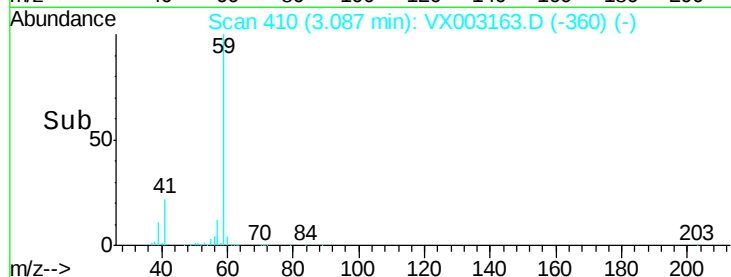
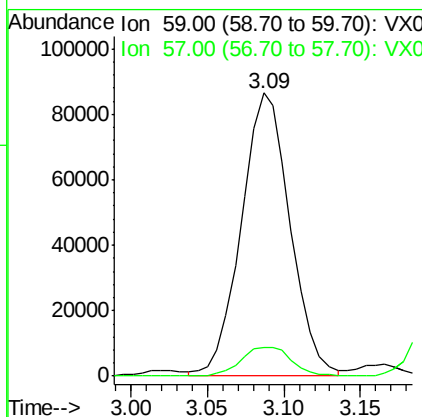
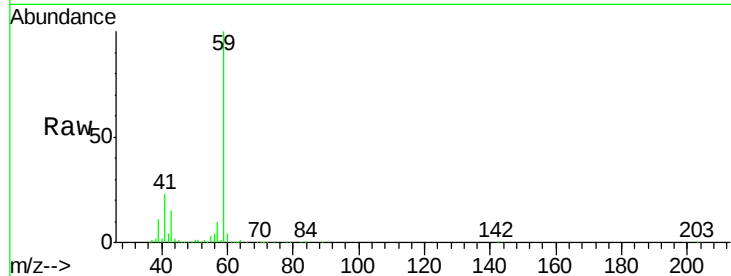
#11
Tert butyl alcohol
Concen: 264.075 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	191755
Ion Ratio	100	Lower	Upper
57	10.7	8.2	12.2

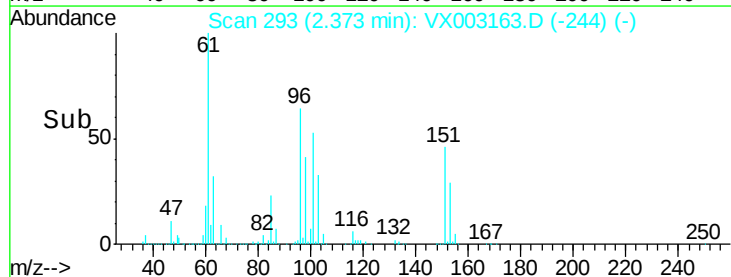
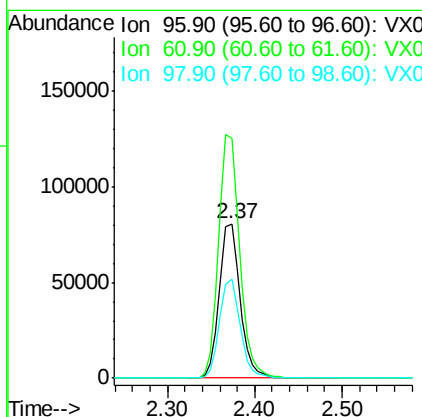
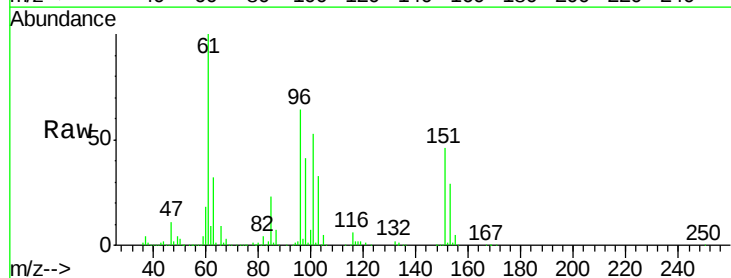
Manual Integrations
APPROVED

sam
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#12
1,1-Dichloroethene
Concen: 51.164 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion	96	Resp	133070
Ion Ratio	100	Lower	Upper
61	155.6	137.9	206.9
98	64.3	51.6	77.4





#13

Acrolein

Concen: 150.292 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 59812

Ion Ratio Lower Upper

56 100

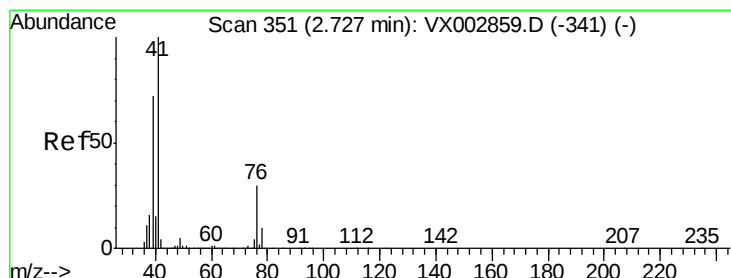
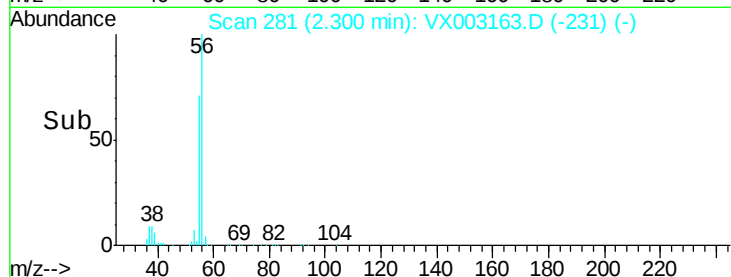
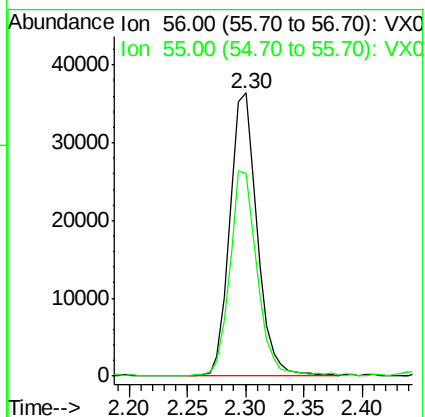
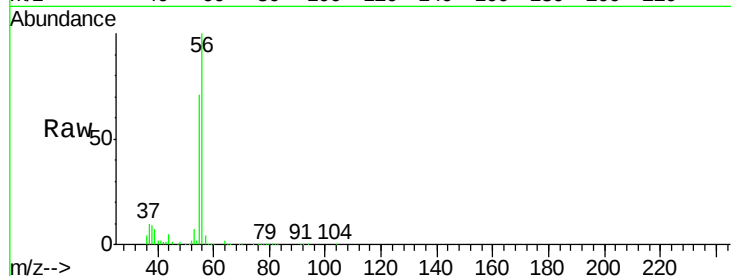
55 71.3 57.0 85.4

Manual Integrations

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sam

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#14

Allyl chloride

Concen: 50.359 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

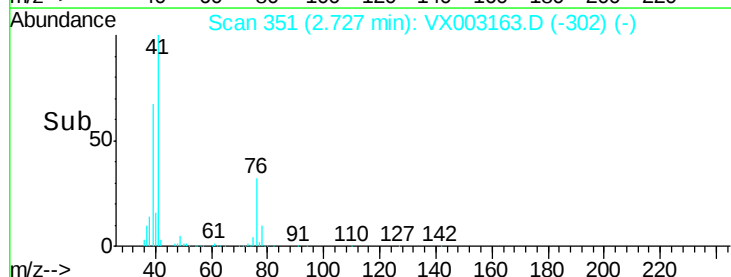
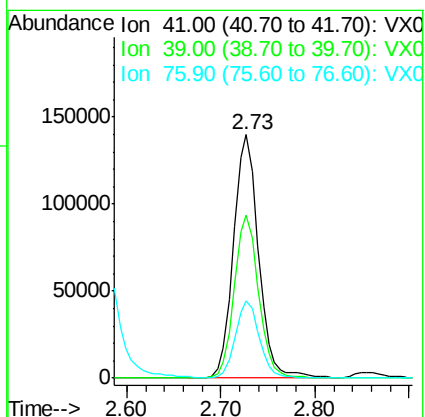
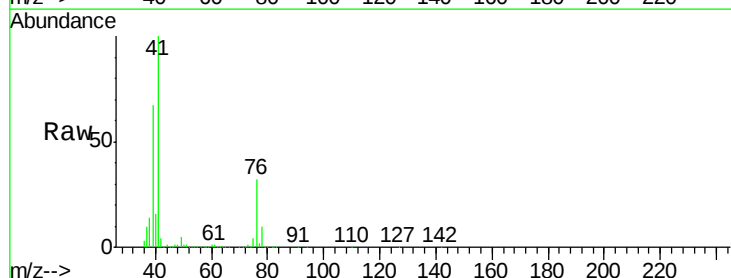
Tgt Ion: 41 Resp: 258184

Ion Ratio Lower Upper

41 100

39 65.0 56.8 85.2

76 30.3 23.8 35.8





#15

Acrylonitrile

Concen: 275.694 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

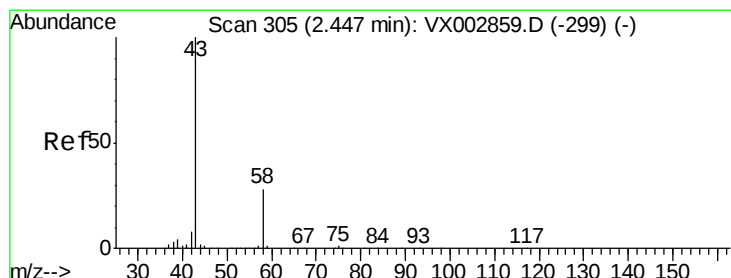
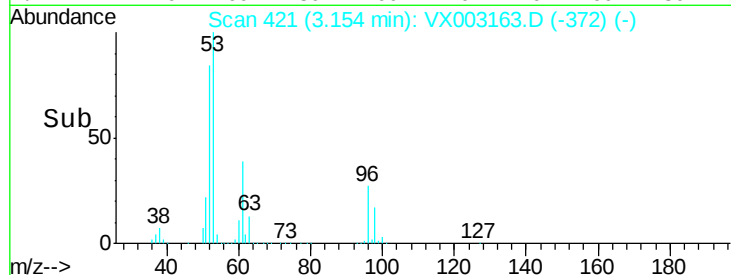
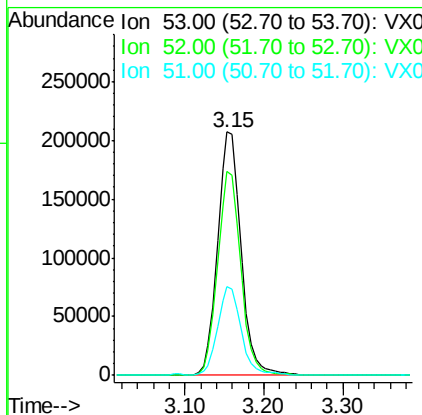
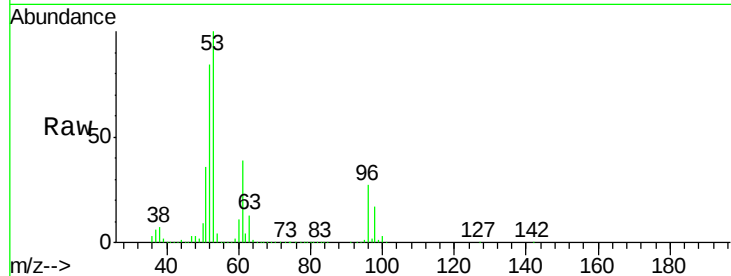
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	427600
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.7	100.1
51	36.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 256.788 ug/l

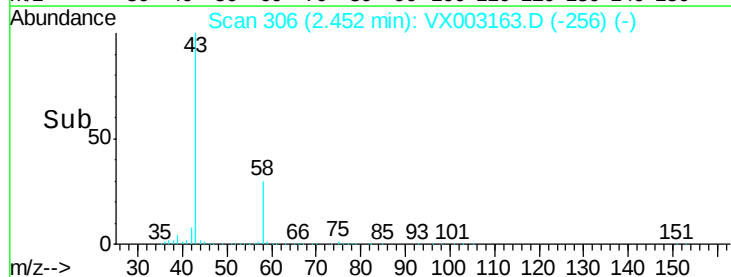
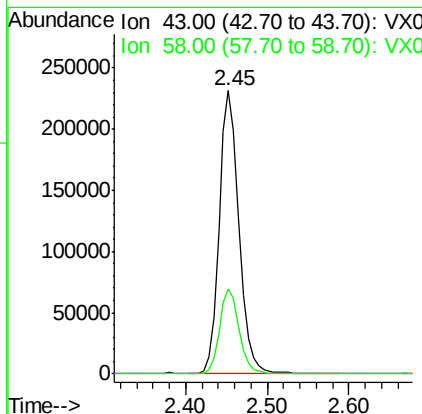
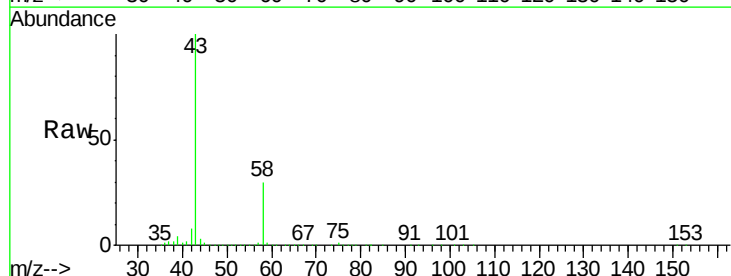
RT: 2.45 min Scan# 306

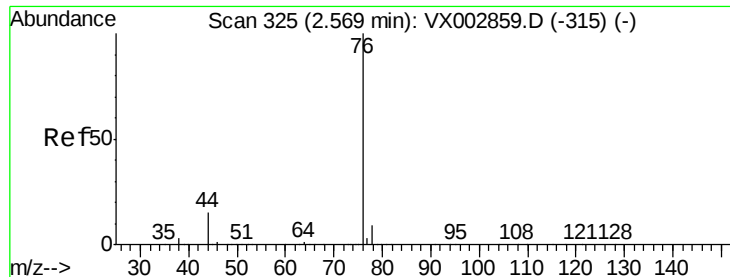
Delta R.T. 0.01 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Tgt Ion:	43	Resp:	387634
Ion Ratio	Lower	Upper	
43	100		
58	30.1	22.1	33.1





#17

Carbon Disulfide

Concen: 51.957 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 360043

Ion Ratio Lower Upper

76 100

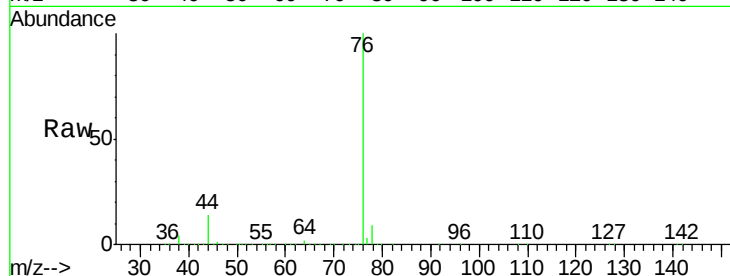
78 9.4 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

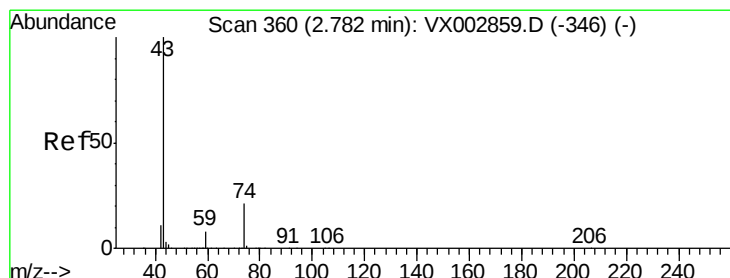
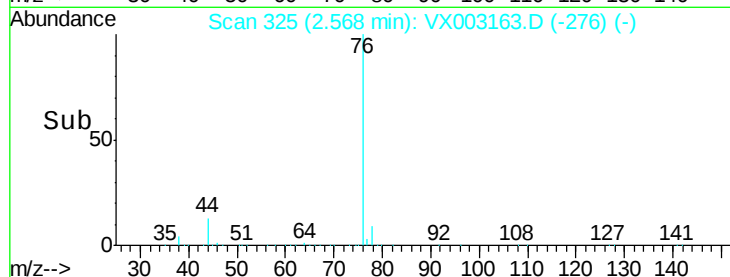
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.238 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003163.D

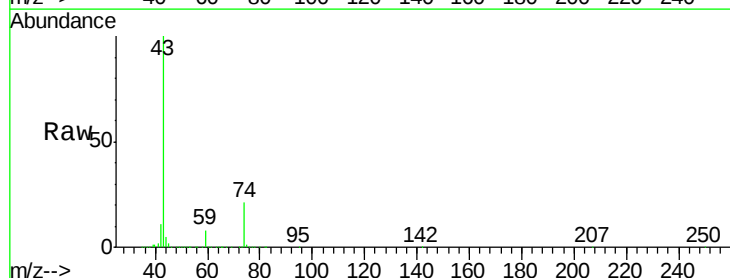
Acq: 03 Jul 2018 21:40

Tgt Ion: 43 Resp: 220471

Ion Ratio Lower Upper

43 100

74 21.5 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

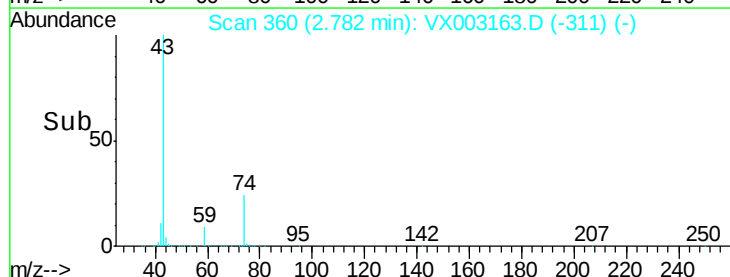
2.78

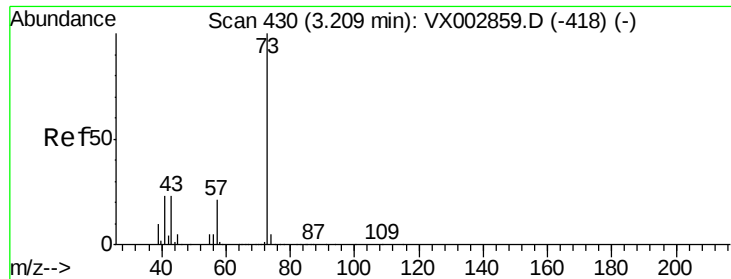
100000

50000

0

Time-->





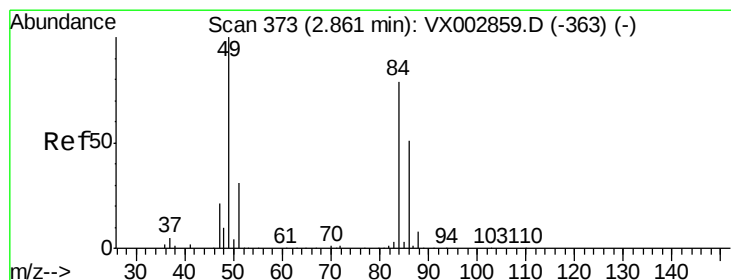
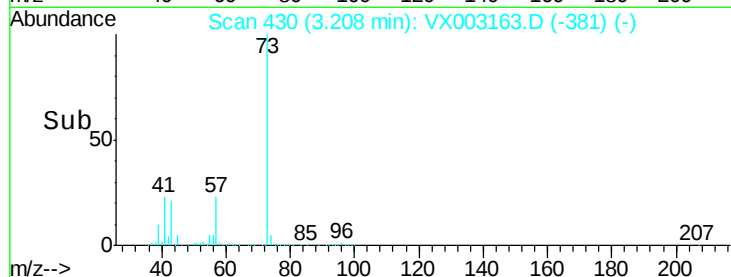
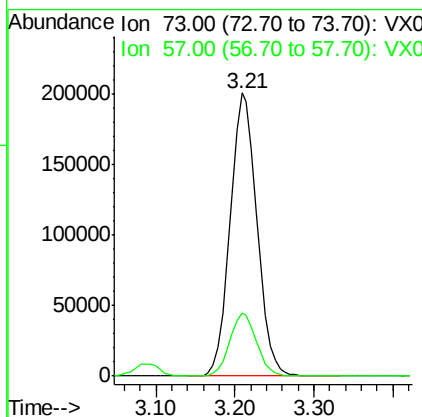
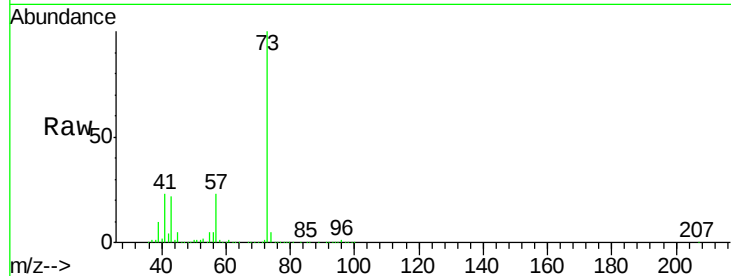
#19
Methvl tert-butvl Ether
Concen: 50.666 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 473739
Ion Ratio Lower Upper
73 100
57 22.5 17.7 26.5

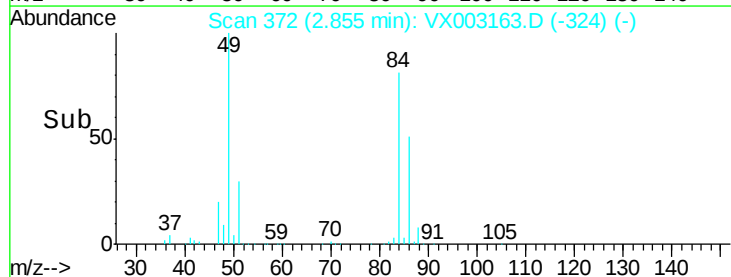
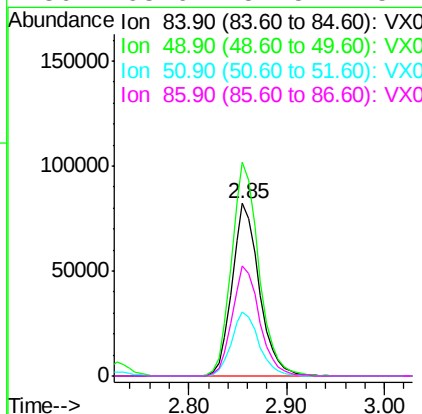
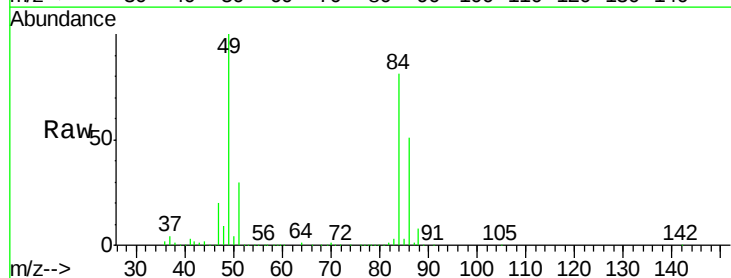
Manual Integrations
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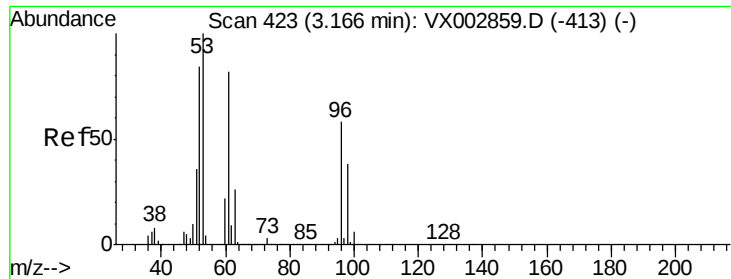
sam
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#20
Methylene Chloride
Concen: 54.124 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion: 84 Resp: 158994
Ion Ratio Lower Upper
84 100
49 124.0 107.8 161.6
51 37.3 32.8 49.2
86 63.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 50.502 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

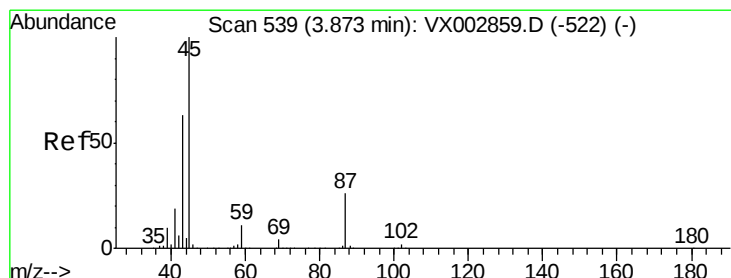
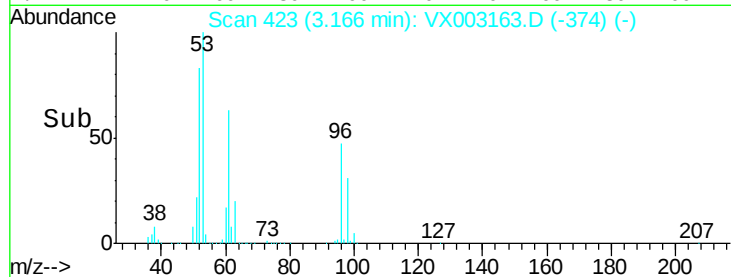
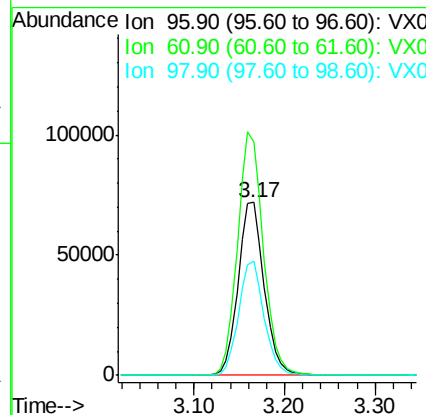
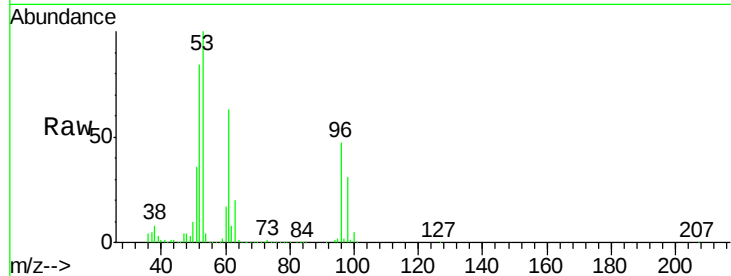
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	143061
Ion Ratio	Lower	Upper	
96	100		
61	135.2	117.0	175.4
98	65.9	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.366 ug/l

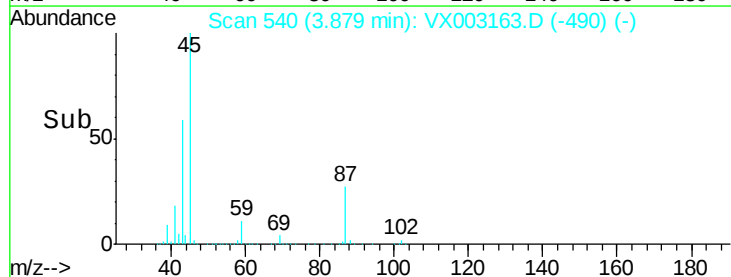
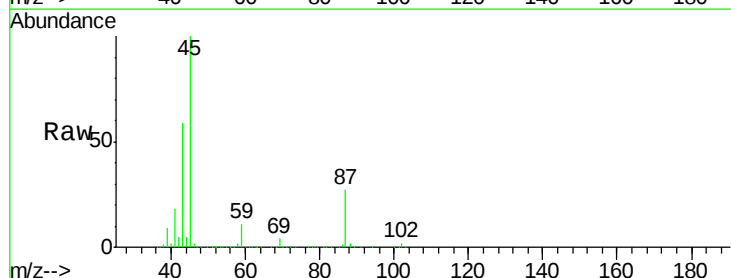
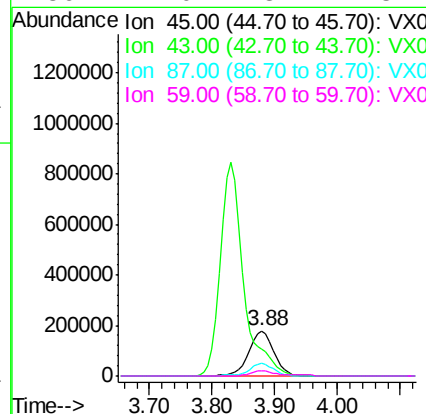
RT: 3.88 min Scan# 540

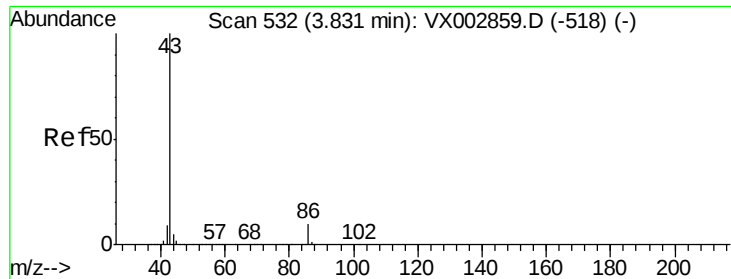
Delta R.T. 0.01 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Tgt Ion:	45	Resp:	493591
Ion Ratio	Lower	Upper	
45	100		
43	58.8	46.8	70.2
87	27.3	20.2	30.4
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 262.441 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2177827

Ion Ratio Lower Upper

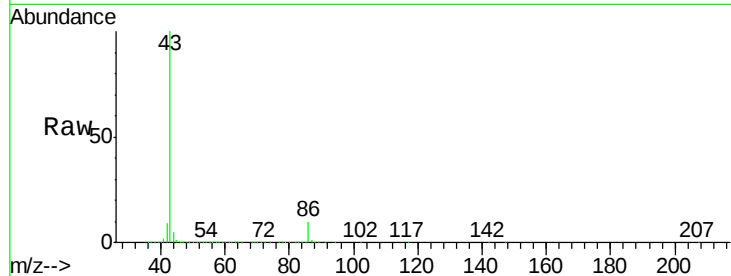
43 100

86 10.0 7.4 11.0

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1000000

800000

600000

400000

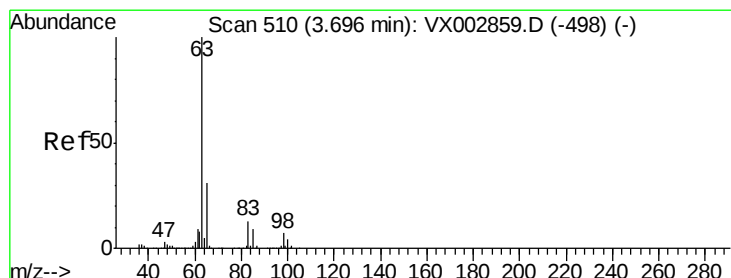
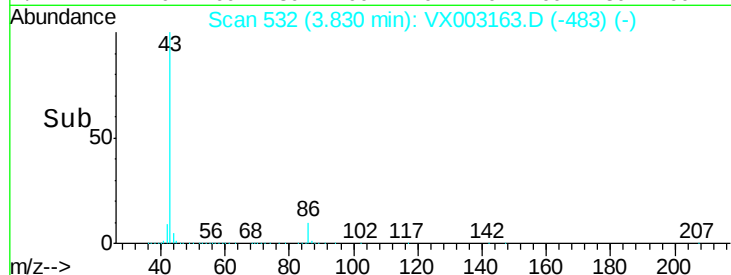
200000

0

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.678 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

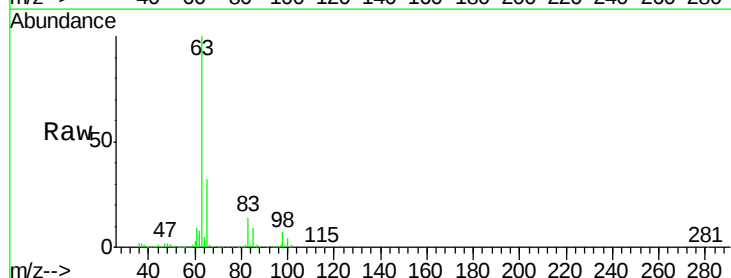
Tgt Ion: 63 Resp: 269938

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

100000

50000

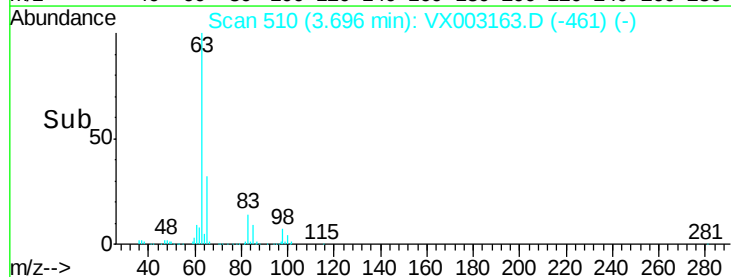
0

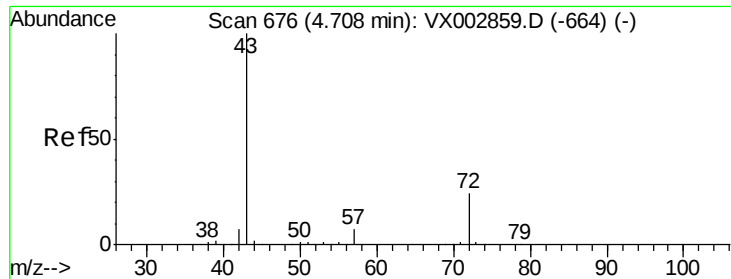
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 284.115 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 636507

Ion Ratio Lower Upper

43 100

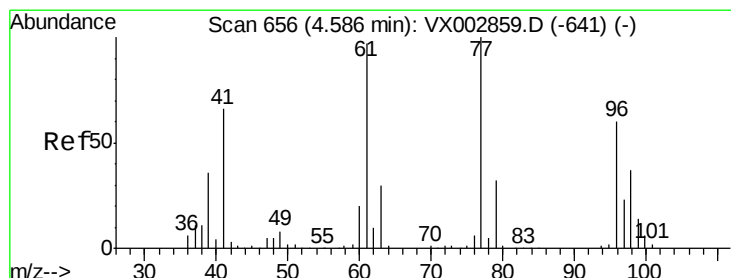
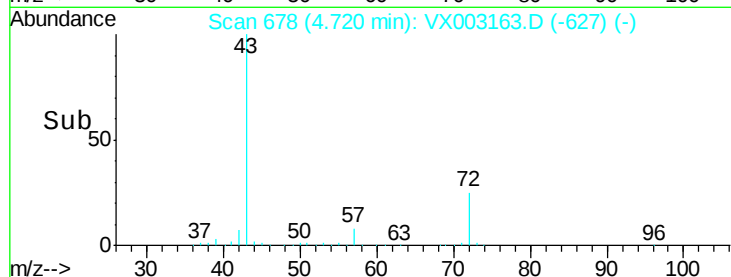
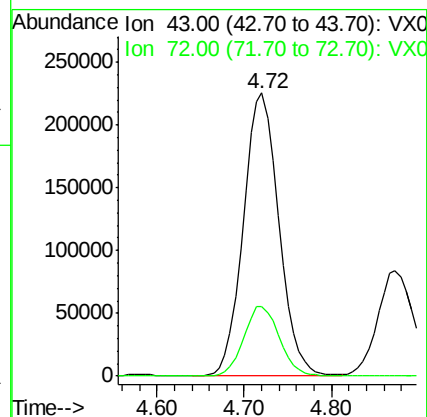
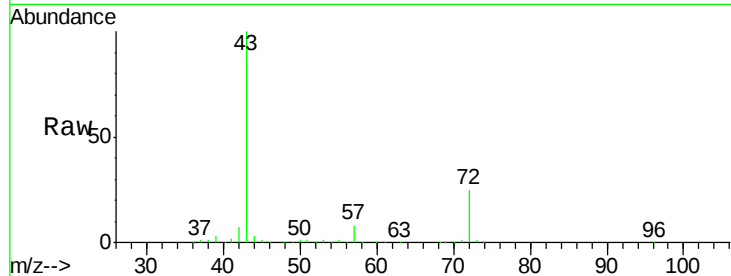
72 24.7 18.5 27.7

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 36.981 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003163.D

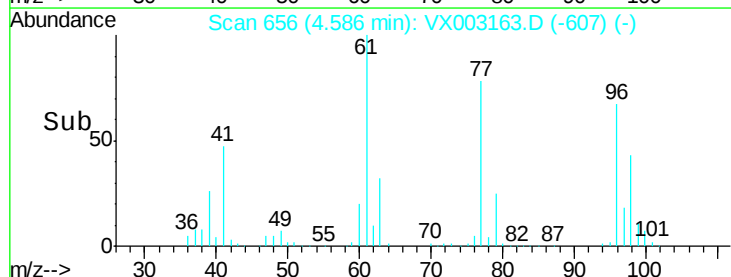
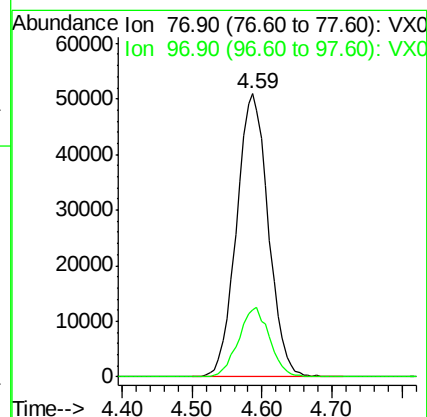
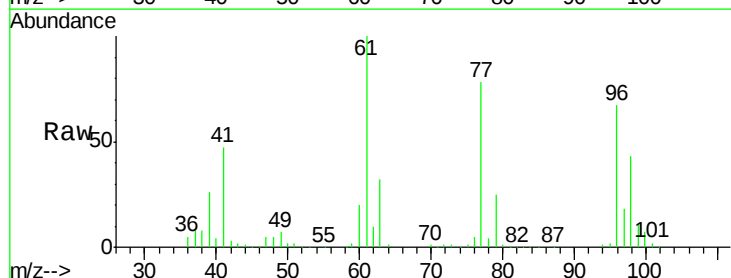
Acq: 03 Jul 2018 21:40

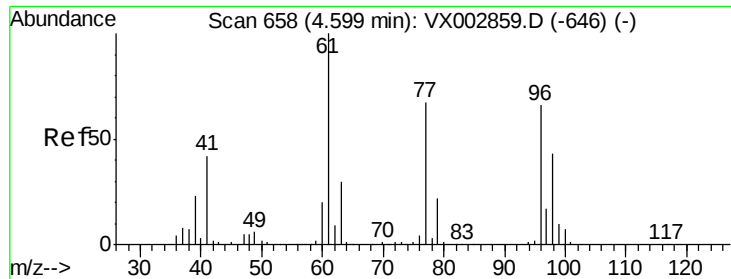
Tgt Ion: 77 Resp: 160174

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.5





#27

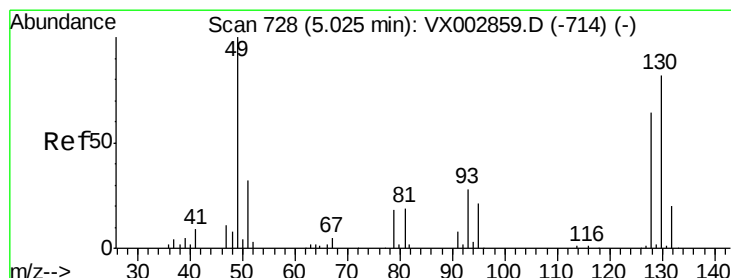
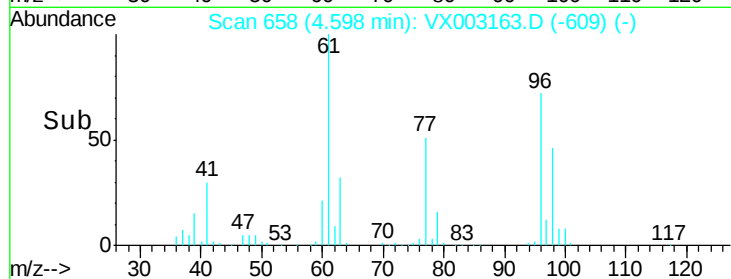
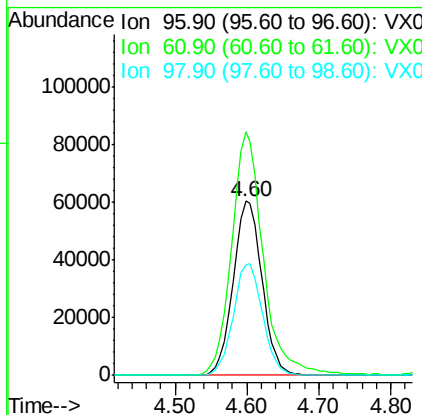
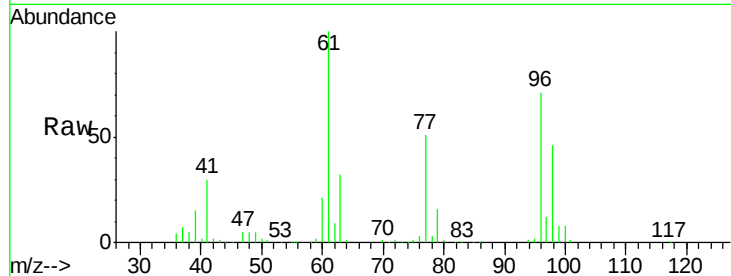
cis-1,2-Dichloroethene
 Concen: 52.863 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.6	0.0	330.2
98	65.2	0.0	130.2

Manual Integrations
 APPROVED

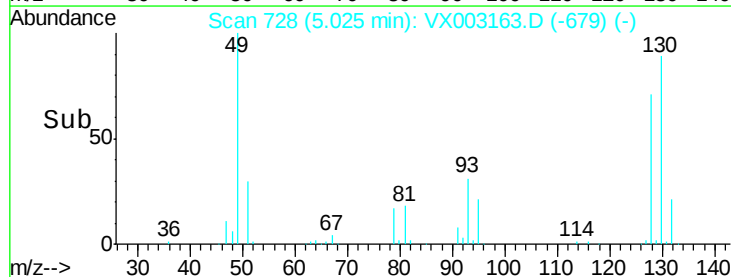
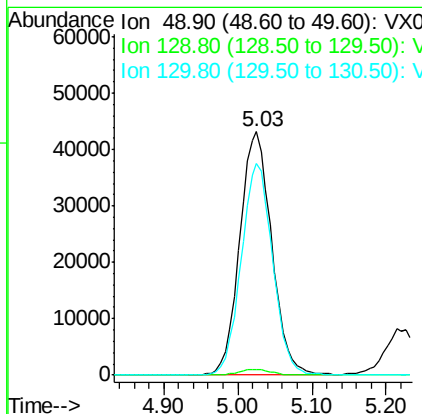
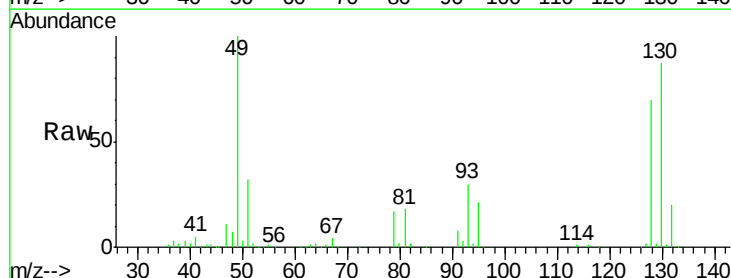
sam
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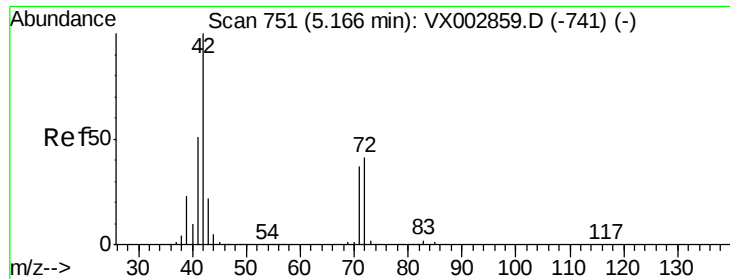


#28

Bromochloromethane
 Concen: 51.038 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	85.4	61.2	91.8





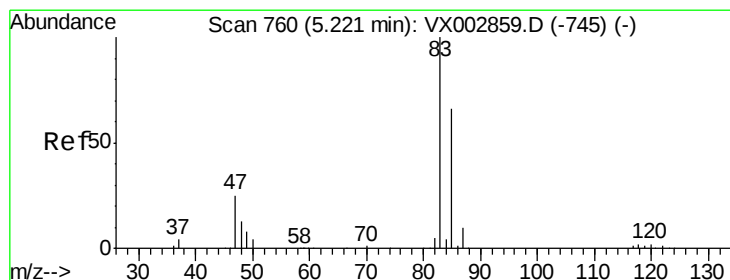
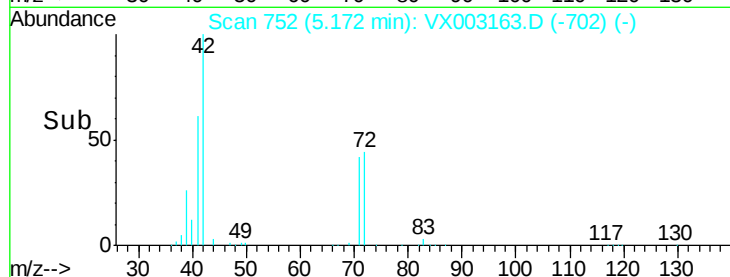
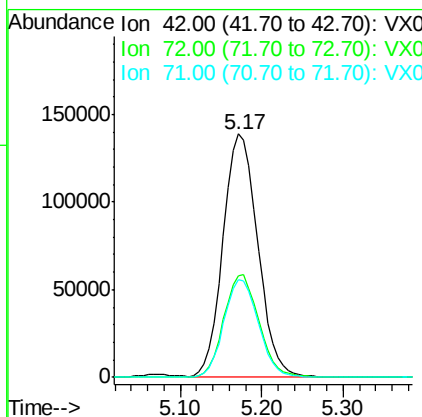
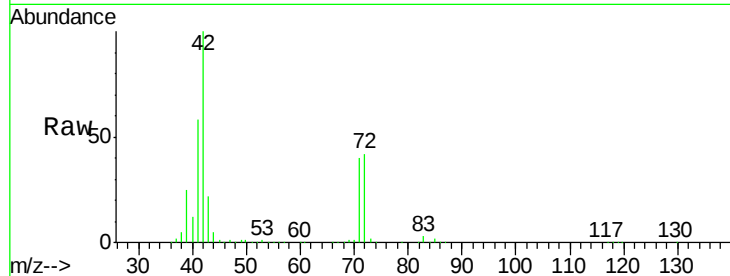
#29
Tetrahydrofuran
Concen: 284.164 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	32.0	48.0
71	40.2	30.1	45.1

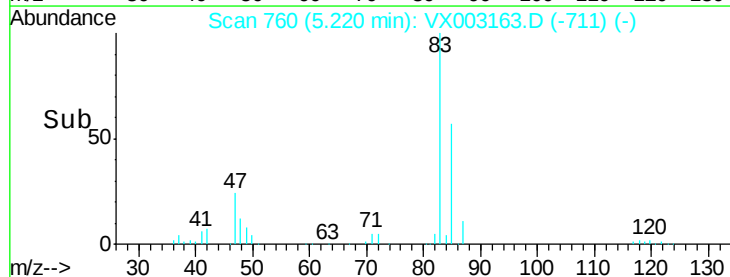
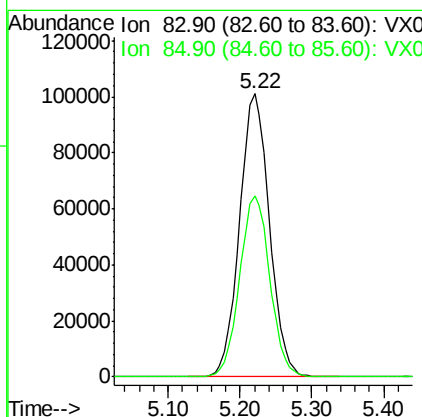
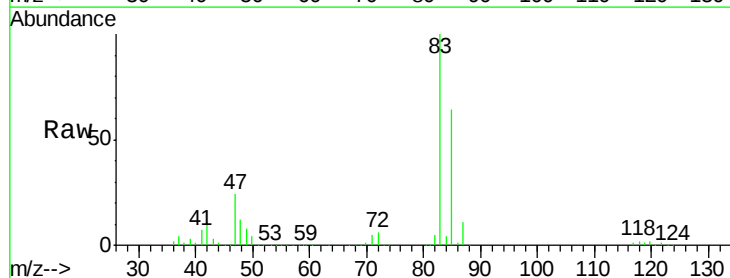
Manual Integrations
APPROVED

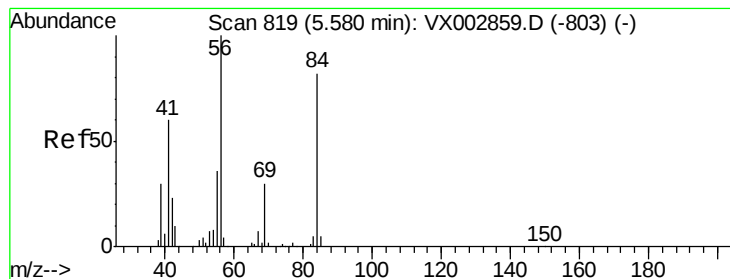
sam
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#30
Chloroform
Concen: 53.321 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.4	75.6





#31

Cyclohexane

Concen: 53.105 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

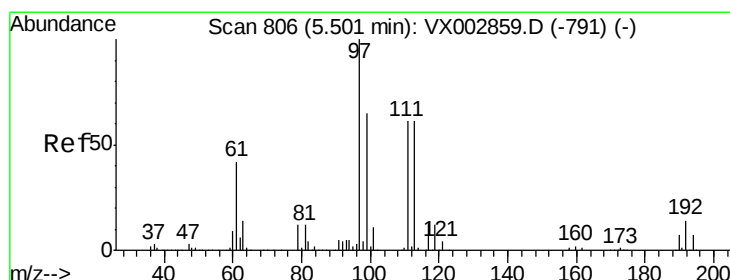
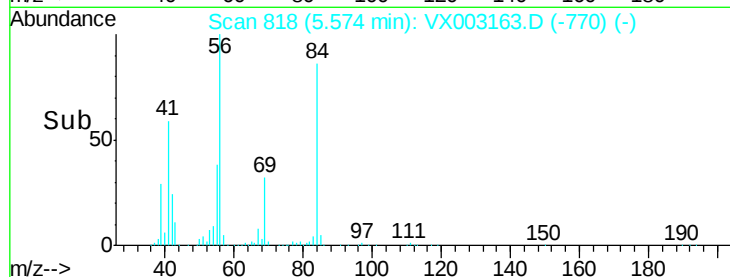
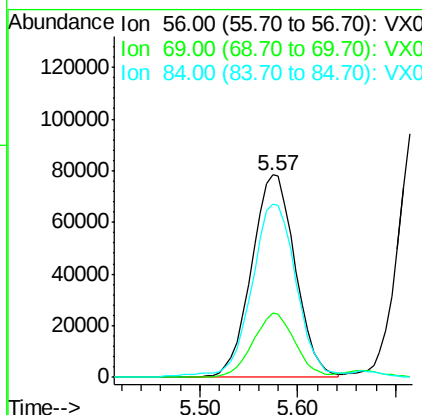
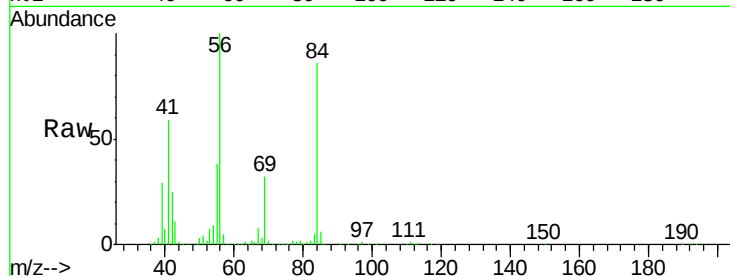
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	242754
Ion	Ratio	Lower	Upper
56	100		
69	31.7	23.7	35.5
84	84.2	64.1	96.1

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 53.467 ug/l

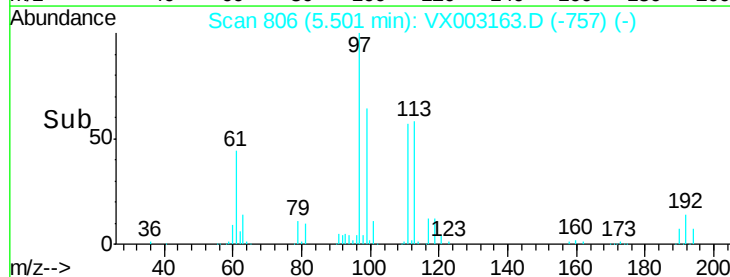
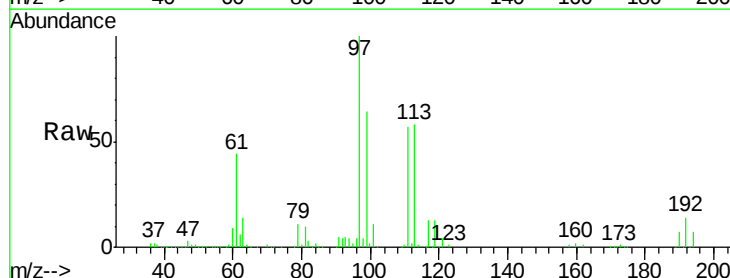
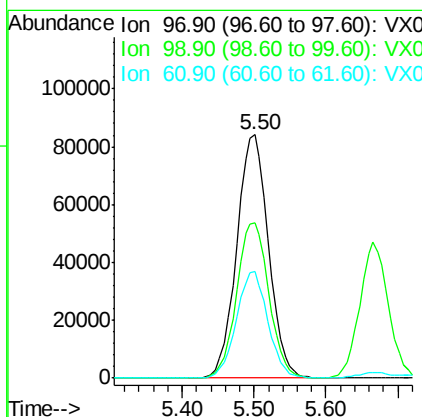
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Tgt Ion:	97	Resp:	257152
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	43.5	36.4	54.6





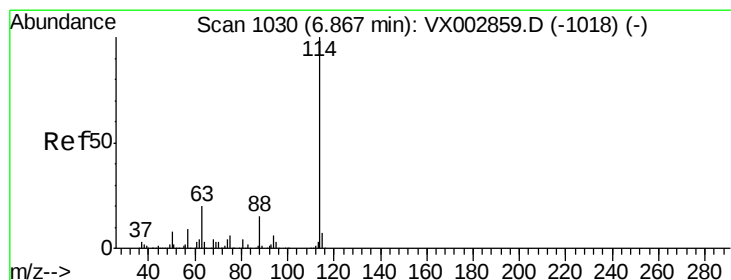
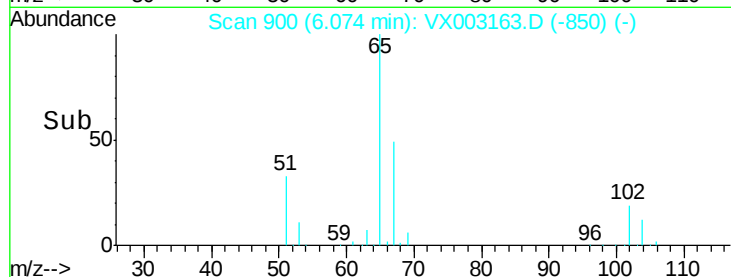
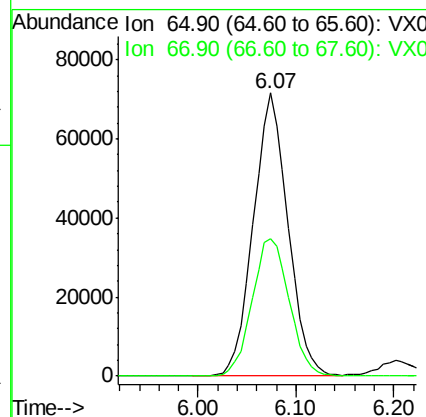
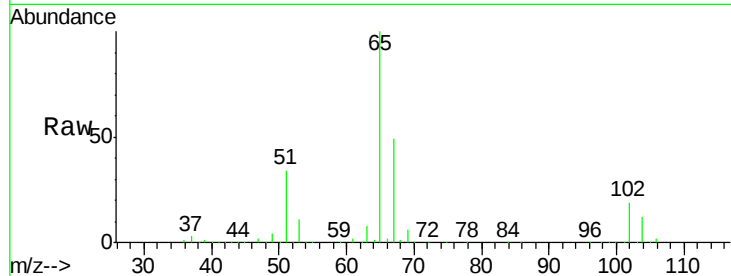
#33
 1,2-Dichloroethane-d4
 Concen: 48.151 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 175517
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 102.6

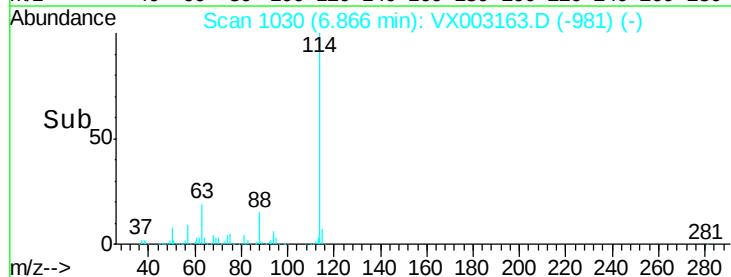
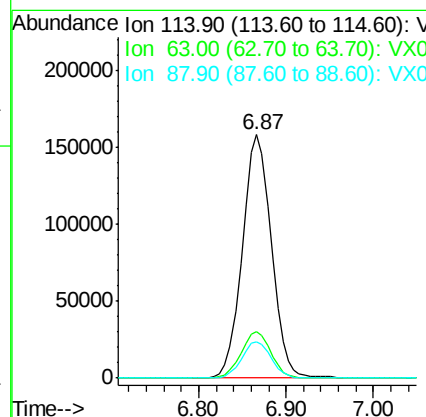
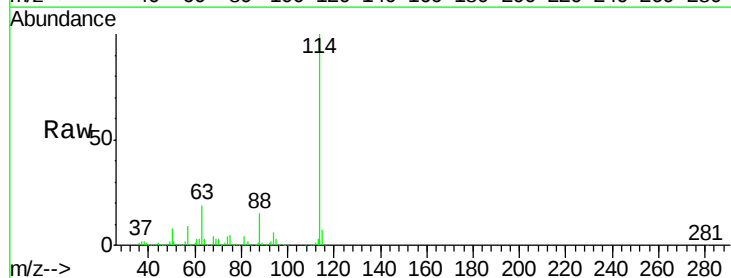
Manual Integrations
 APPROVED

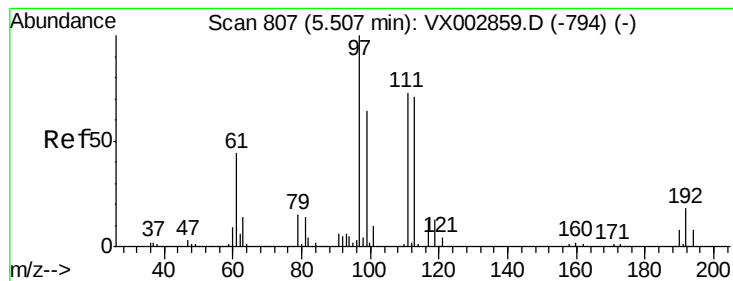
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Tgt Ion: 114 Resp: 364933
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.533 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

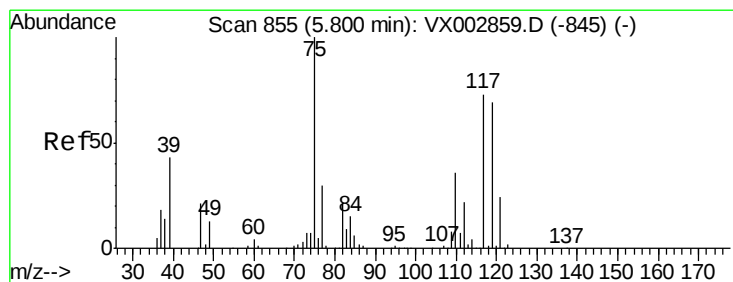
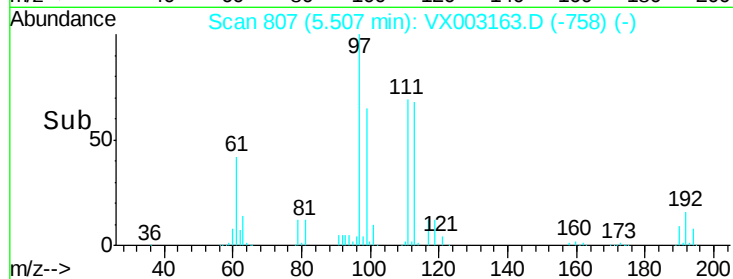
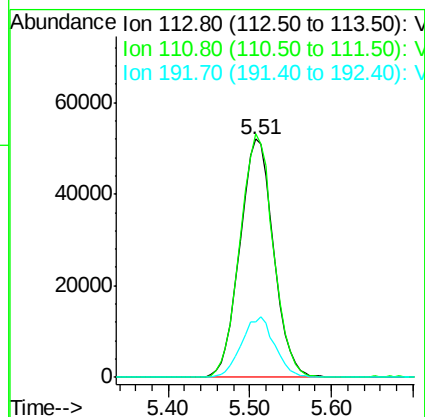
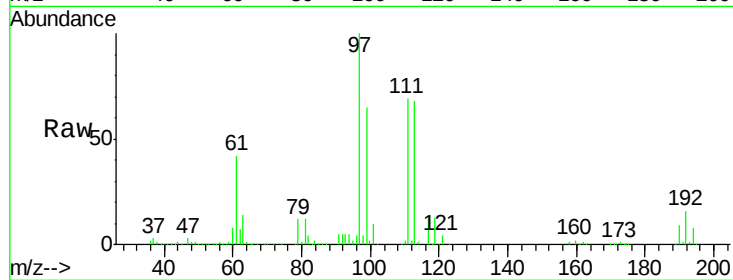
ClientSampled :

VSTDCCC050EC

Tot Ion:	113	Resp:	148926
Ion Ratio	Lower	Upper	
113	100		
111	101.1	81.4	122.0
192	25.0	19.1	28.7

Manual Integrations
APPROVED

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#36

1,1-Dichloropropene

Concen: 52.456 ug/l

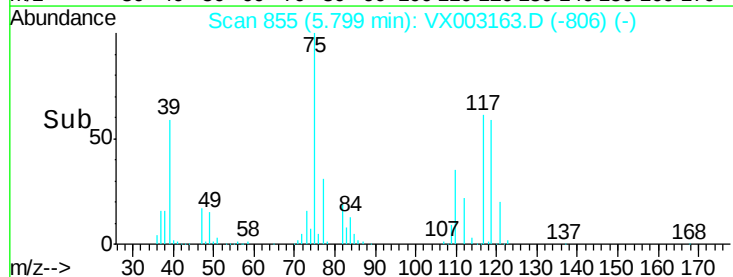
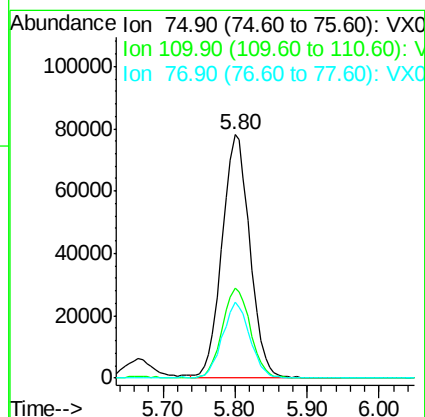
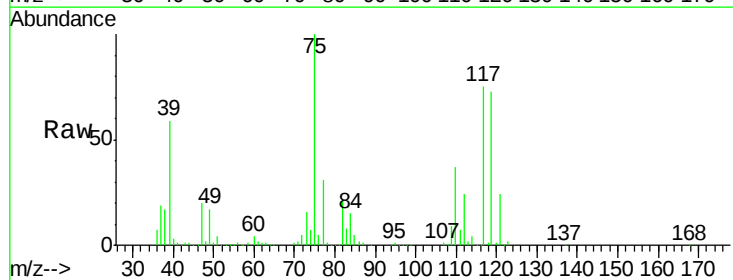
RT: 5.80 min Scan# 855

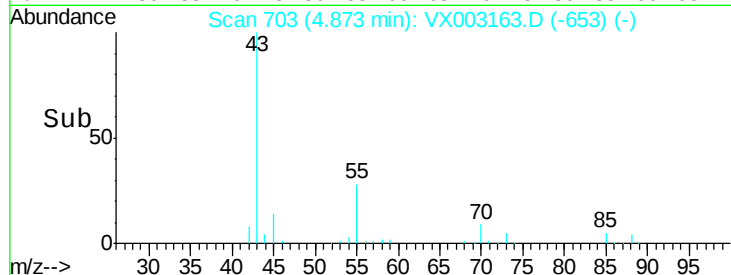
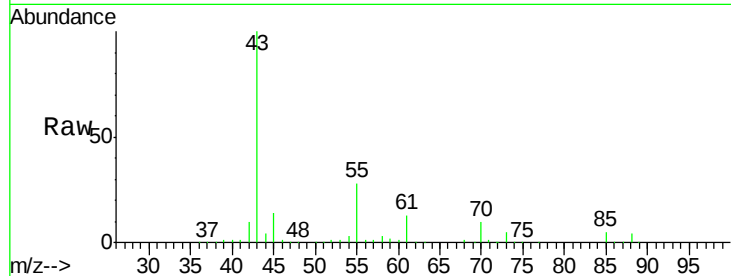
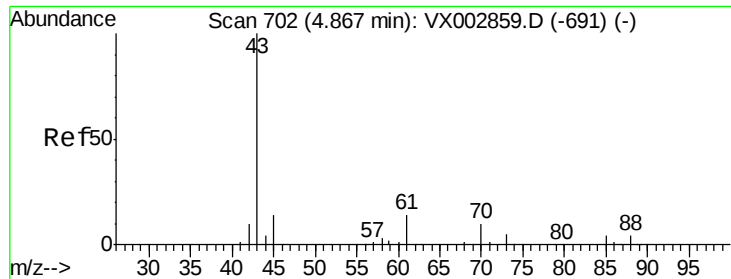
Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Tgt Ion:	75	Resp:	209929
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.1	54.4
77	30.1	24.3	36.5





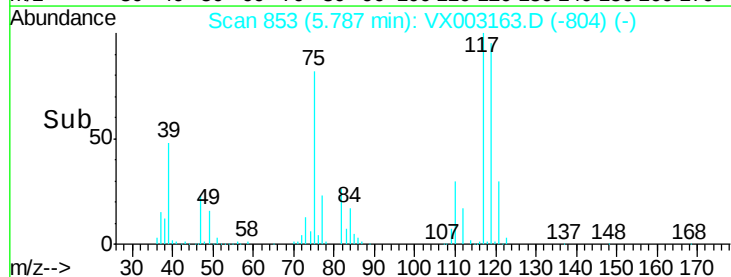
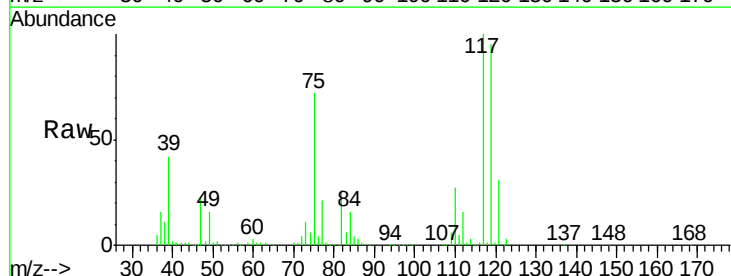
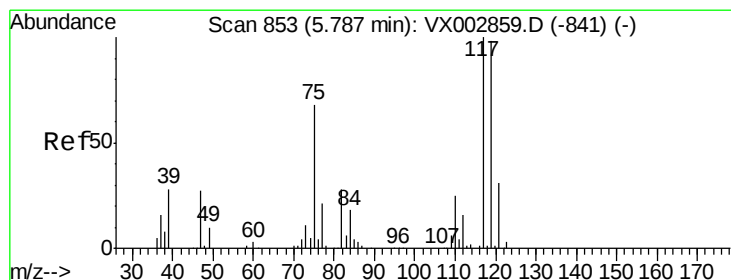
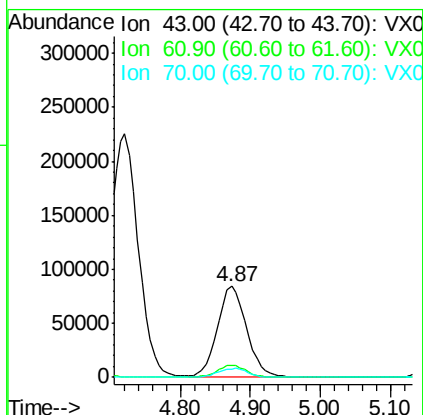
#37
Ethyl Acetate
Concen: 56.579 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tot Ion	43	61	70
Ratio	100	13.5	10.0
Lower		10.4	7.6
Upper		15.6	11.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

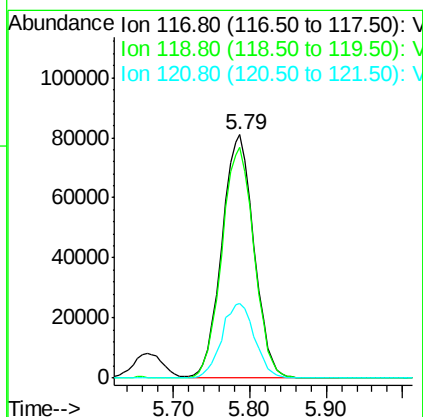
Manual Integrations
APPROVED

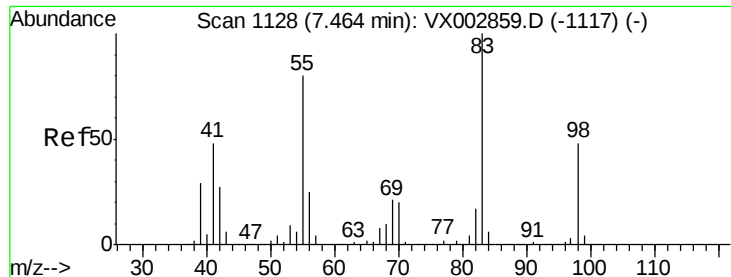
sam
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#38
Carbon Tetrachloride
Concen: 53.505 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion	117	119	121
Ratio	100	94.9	30.6
Lower		77.4	24.4
Upper		116.0	36.6





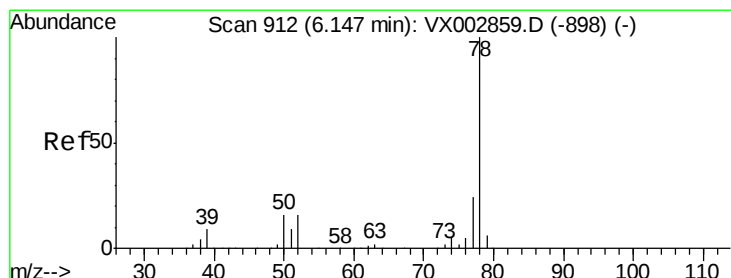
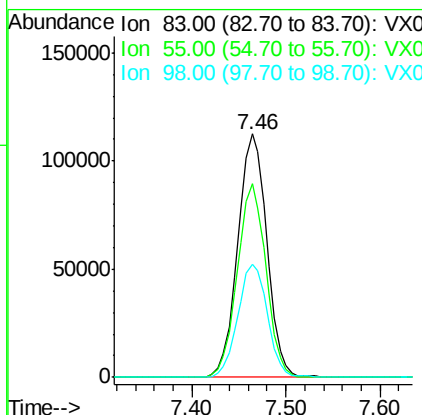
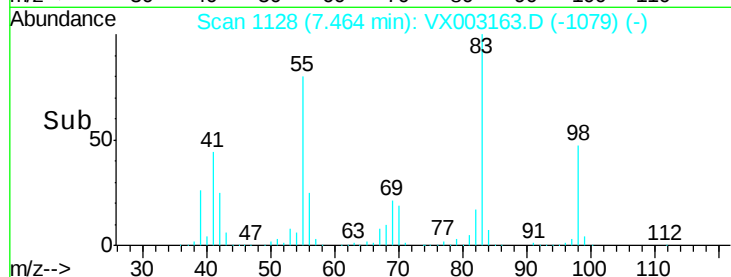
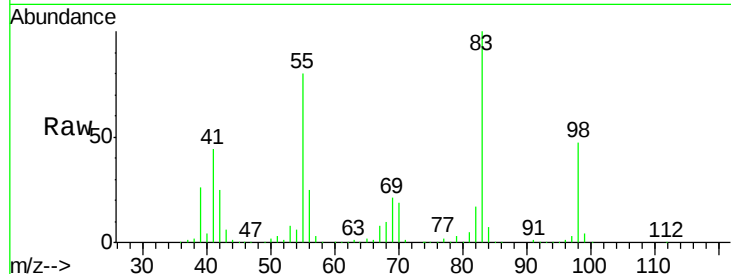
#39
Methvlcvclohexane
Concen: 52.196 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	243311		
55	79.8	65.4	98.0	
98	46.7	37.4	56.0	

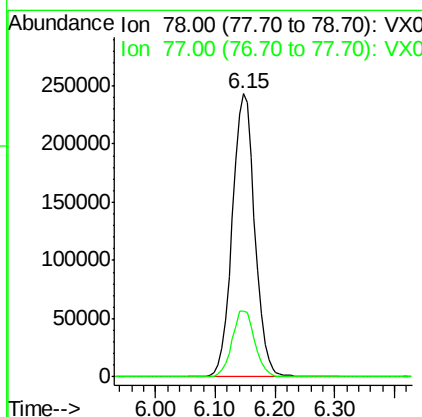
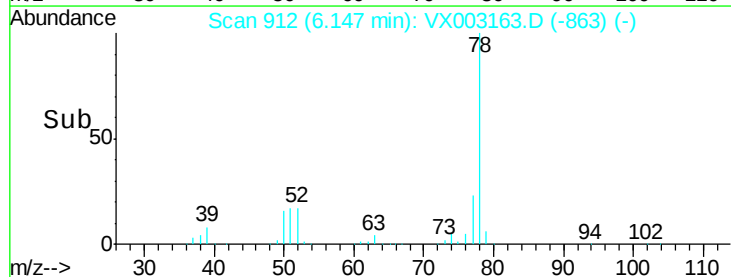
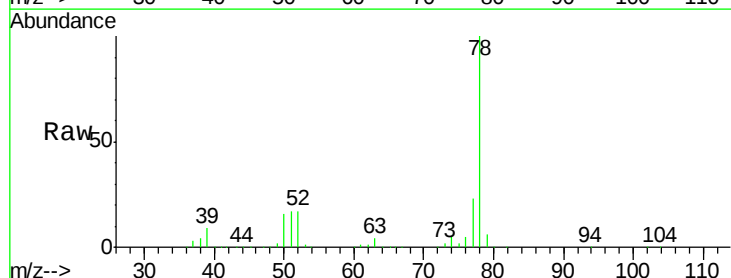
Manual Integrations
APPROVED

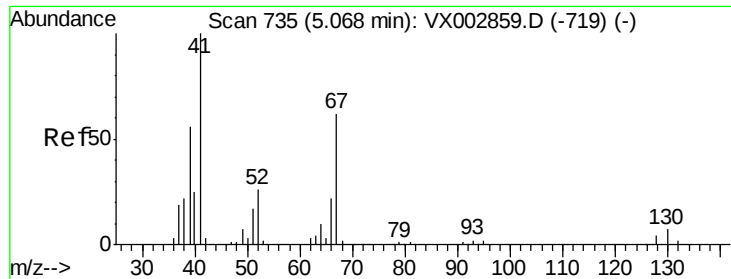
sam
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#40
Benzene
Concen: 54.821 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	637456		
77	23.2	19.1	28.7	





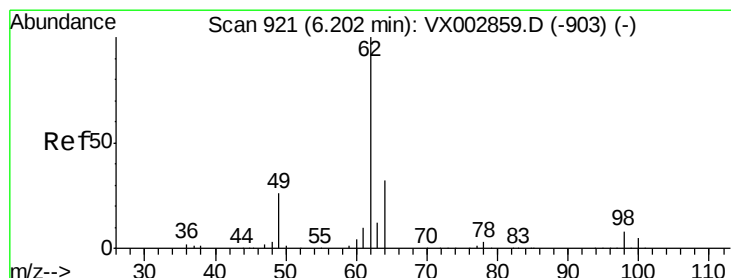
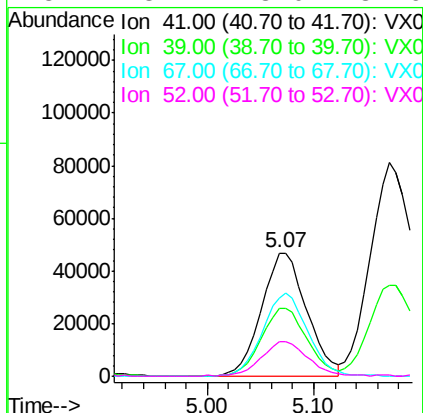
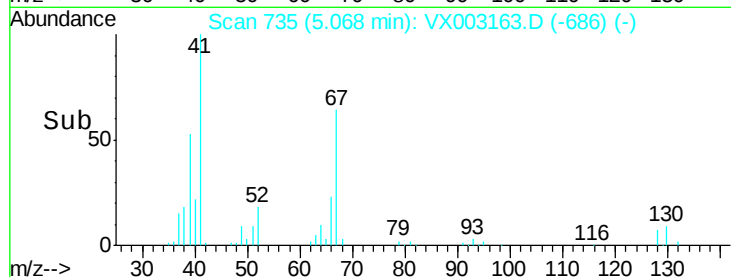
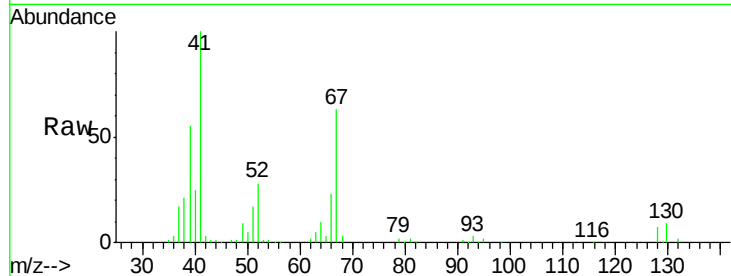
#41
Methacrylonitrile
Concen: 55.274 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.5	45.8	68.6	
67	67.5	51.3	76.9	
52	28.7	23.0	34.6	

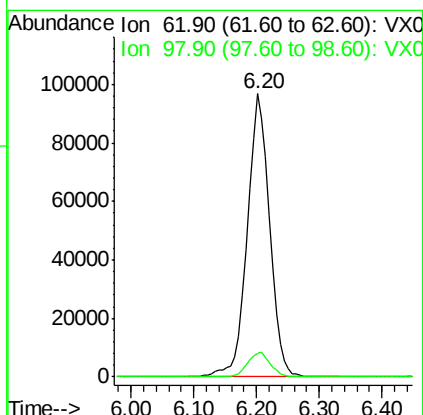
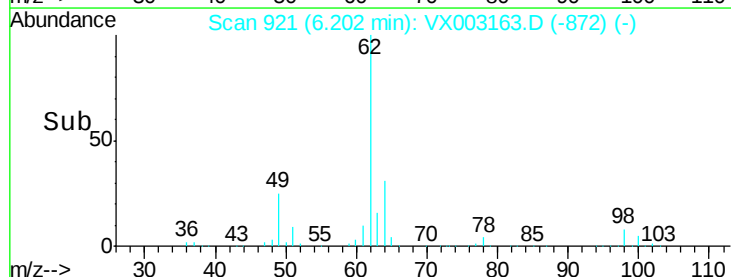
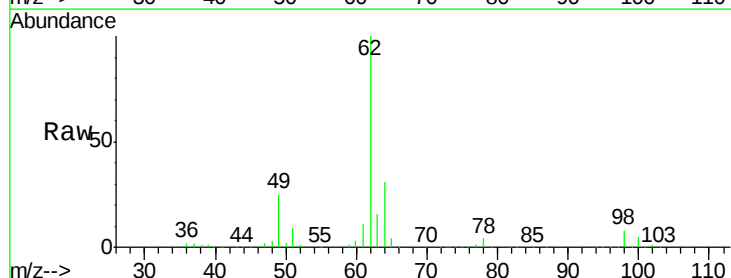
Manual Integrations
APPROVED

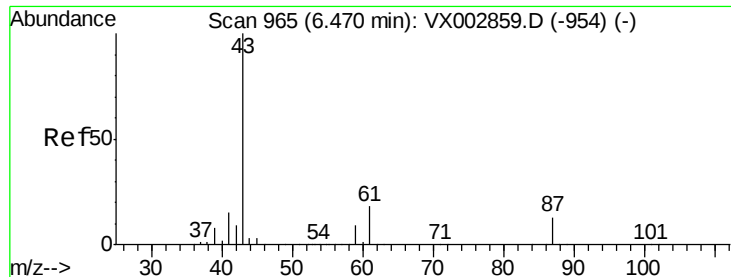
sam
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#42
1,2-Dichloroethane
Concen: 50.611 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	16.6	





#43

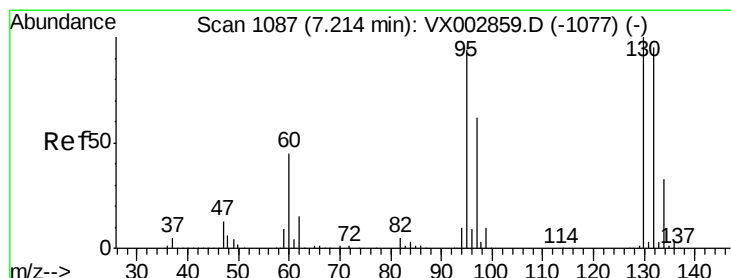
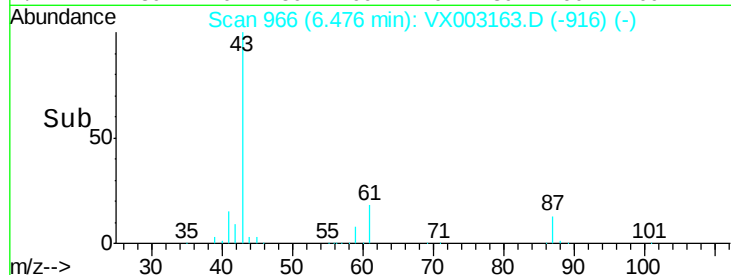
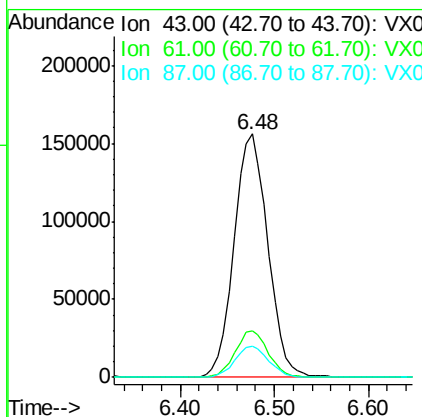
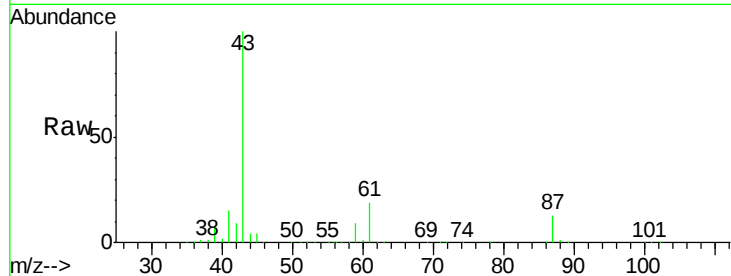
Isopropyl Acetate
 Concen: 53.560 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.4	21.6
87	12.8	9.5	14.3

Manual Integrations
 APPROVED

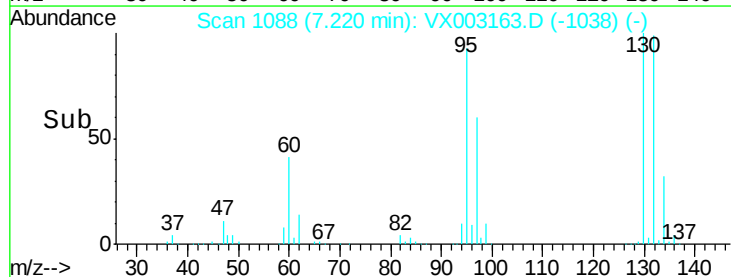
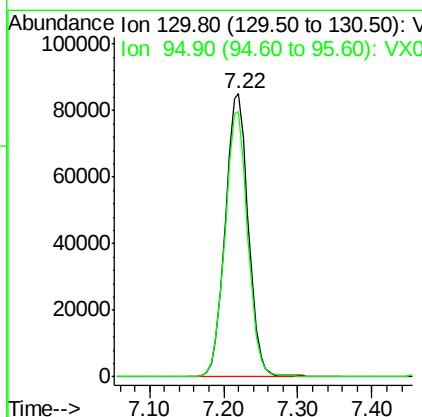
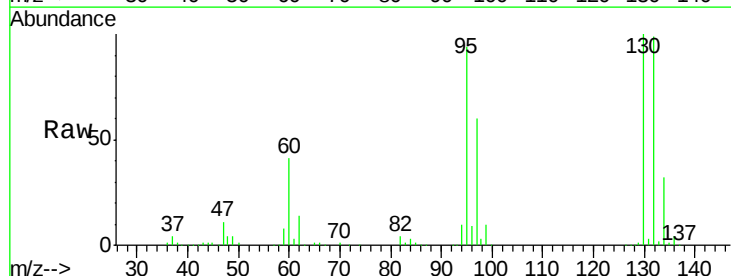
Sam
 7/5/2018 2:29:07 PM



#44

Trichloroethene
 Concen: 53.050 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	185.4





#45

1,2-Dichloropropane

Concen: 53.095 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 163768

Ion Ratio Lower Upper

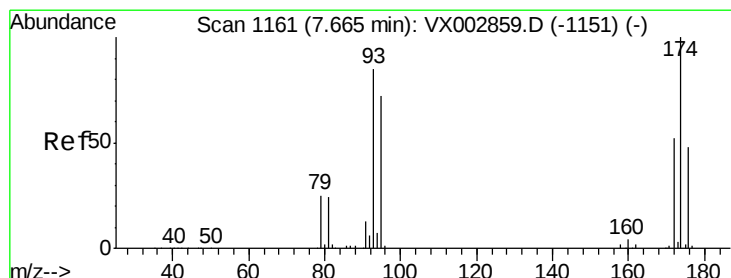
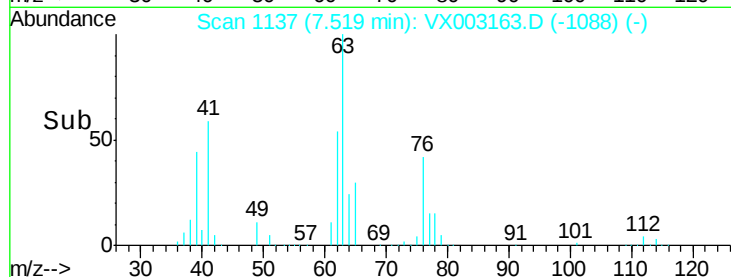
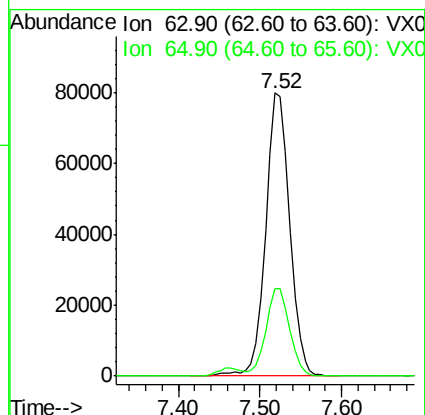
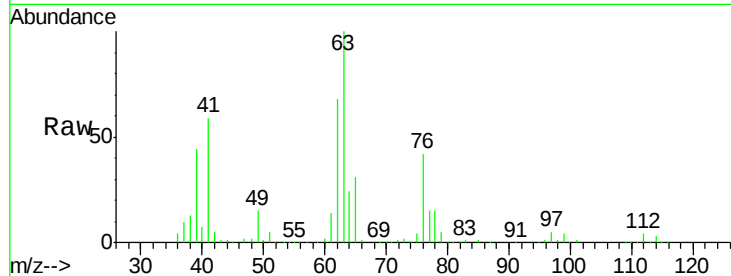
63 100

65 30.7 24.7 37.1

Manual Integrations
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sam

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#46

Dibromomethane

Concen: 53.128 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

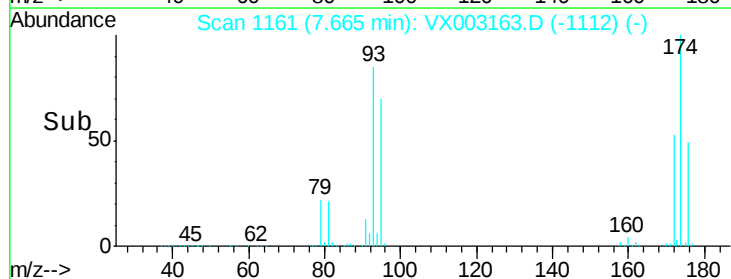
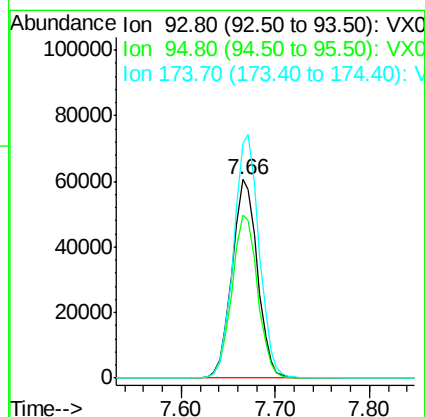
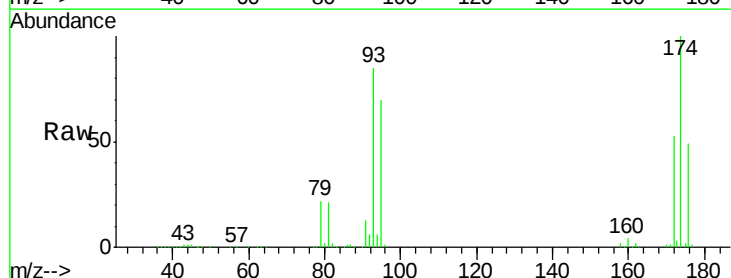
Tgt Ion: 93 Resp: 113725

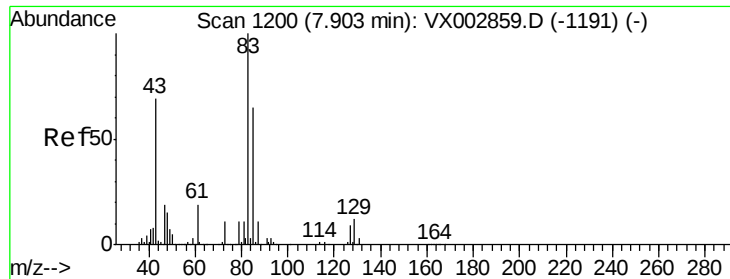
Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

174 122.8 92.4 138.6





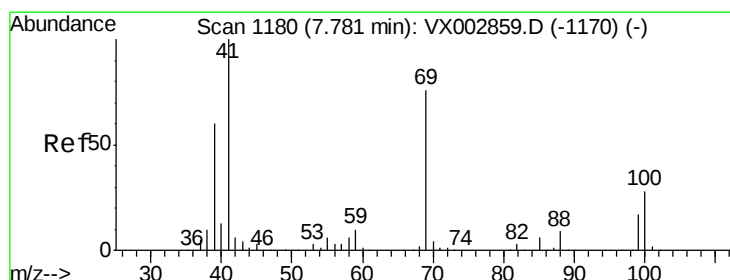
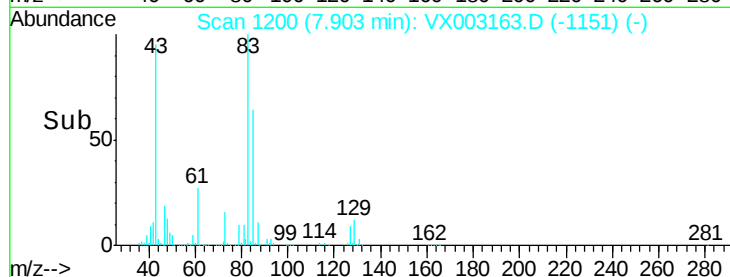
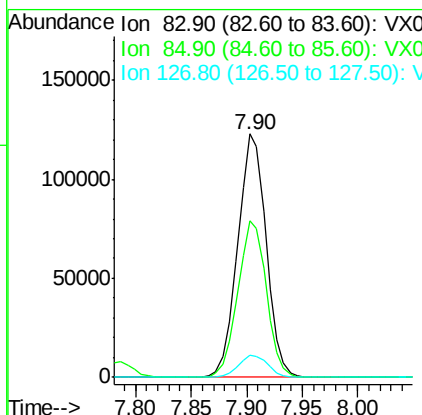
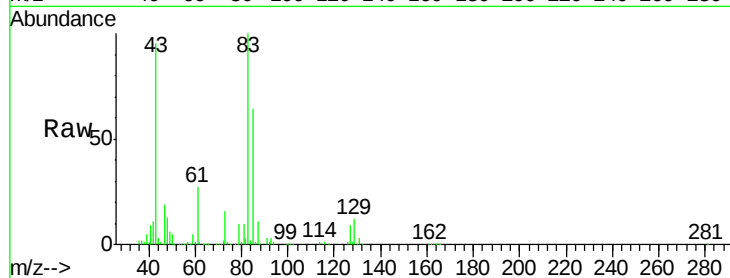
#47
Bromodichloromethane
Concen: 54.901 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.3	75.5
127	9.0	7.0	10.4

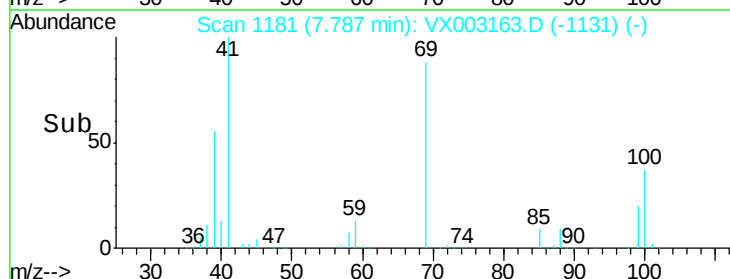
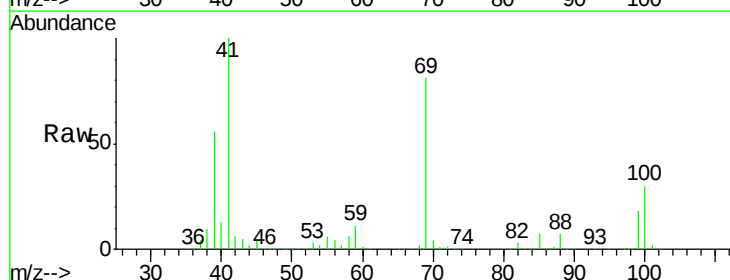
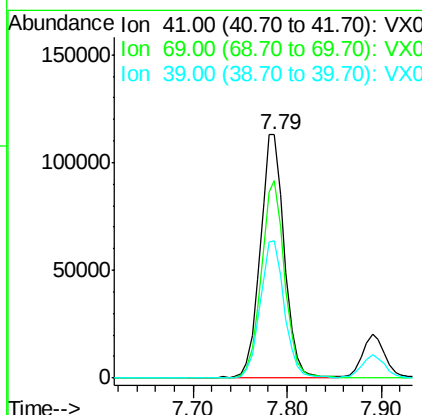
Manual Integrations
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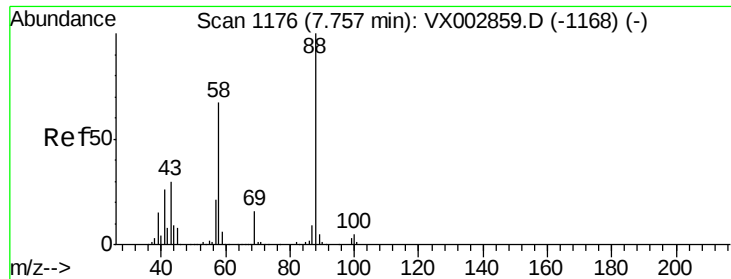
sam
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#48
Methyl methacrylate
Concen: 54.748 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.7	59.1	88.7
39	56.5	48.9	73.3





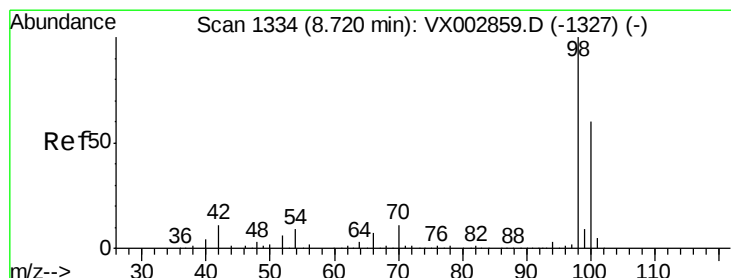
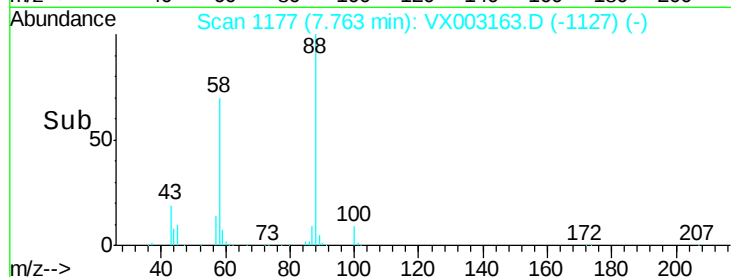
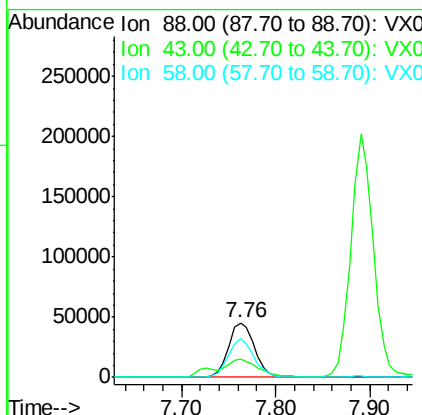
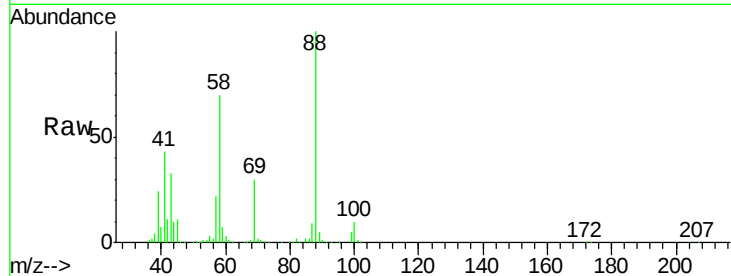
#49
1,4-Dioxane
Concen: 1200.699 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	29.8	44.6
58	69.9	57.1	85.7

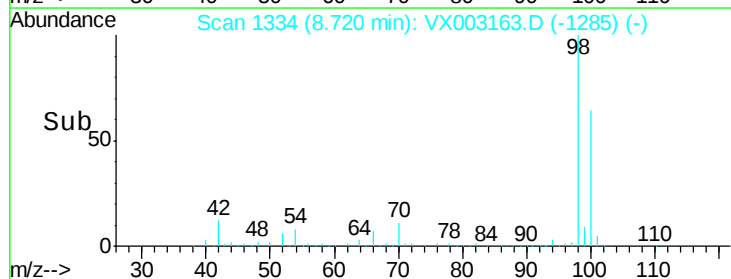
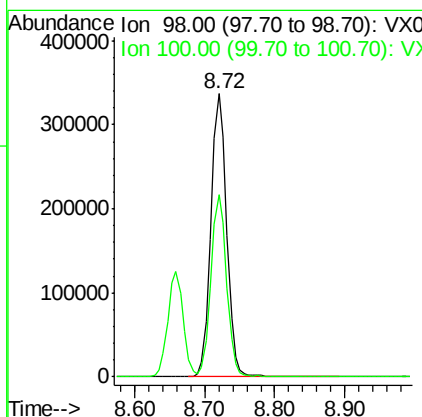
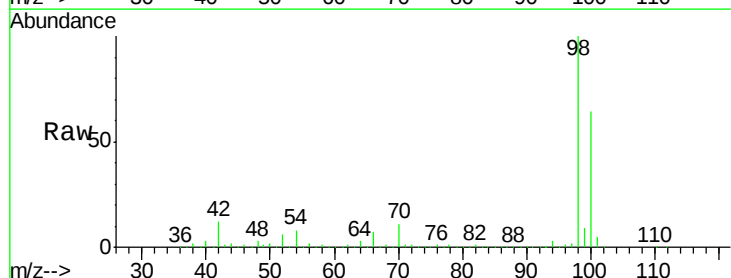
Manual Integrations
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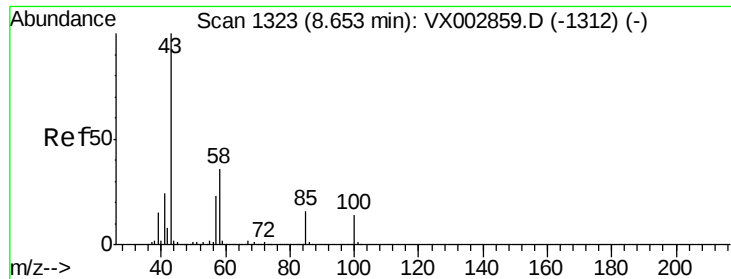
sam
7/5/2018 2:29:07 PM



#50
Toluene-d8
Concen: 49.972 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 283.046 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1279758

Ion Ratio Lower Upper

43 100

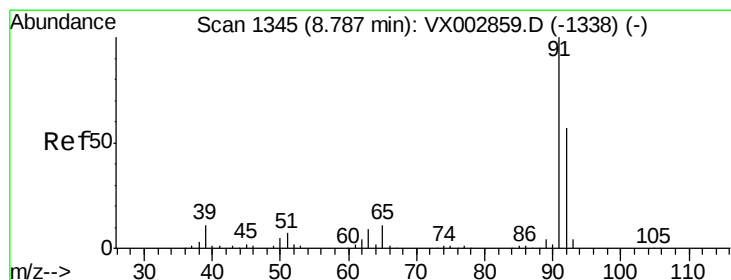
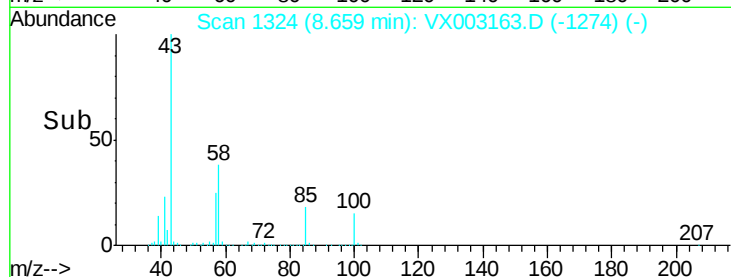
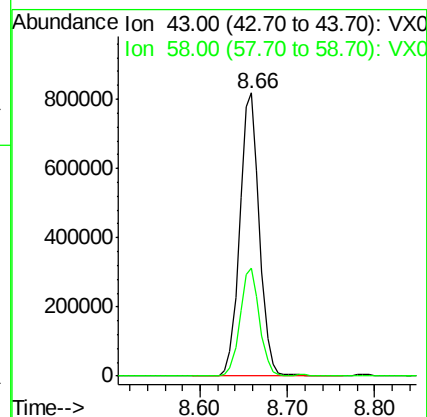
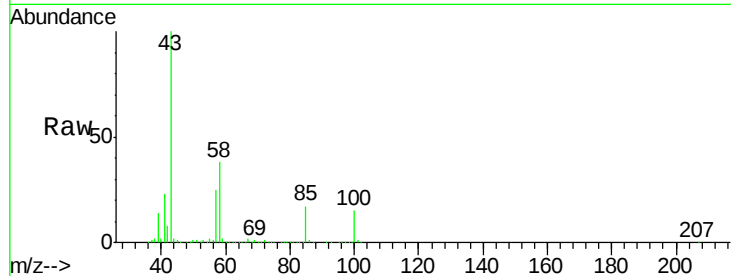
58 37.6 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 54.848 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003163.D

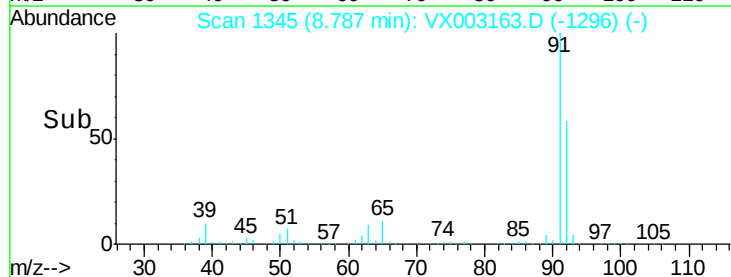
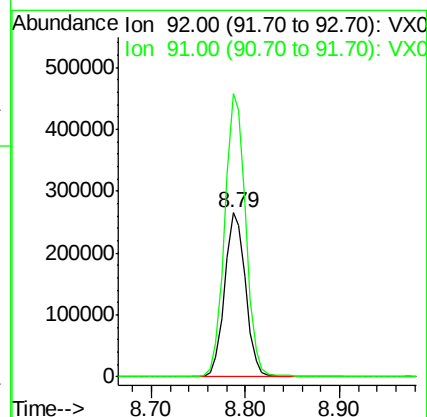
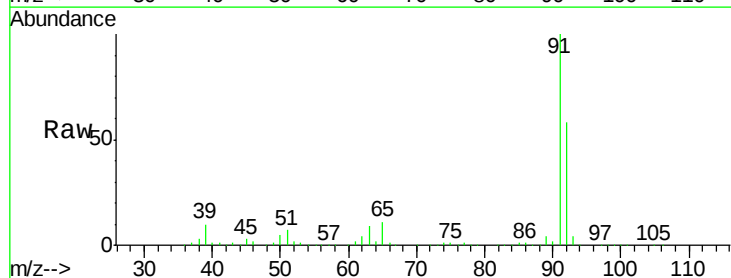
Acq: 03 Jul 2018 21:40

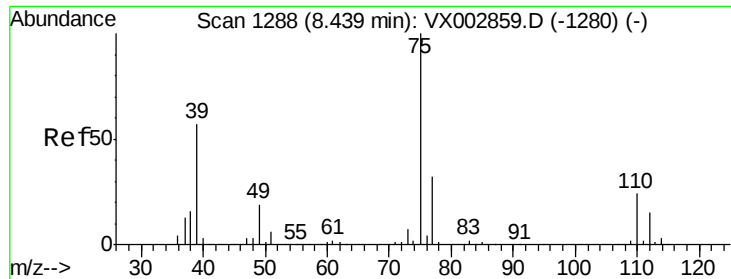
Tgt Ion: 92 Resp: 408566

Ion Ratio Lower Upper

92 100

91 173.3 140.4 210.6





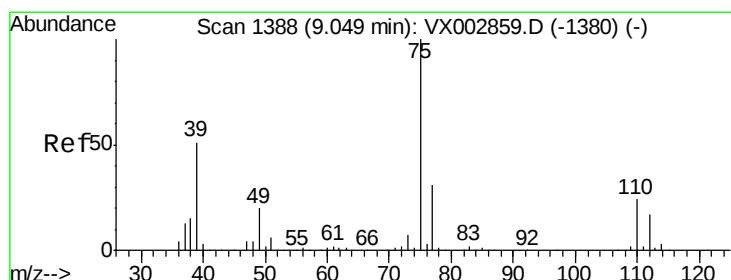
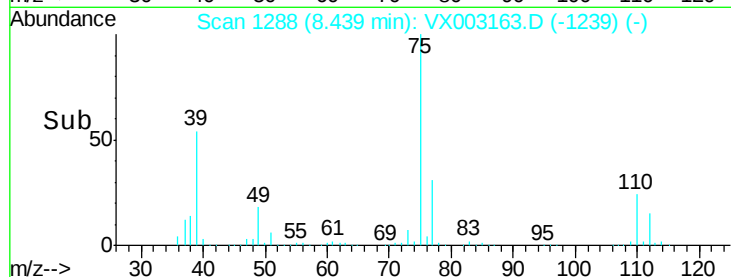
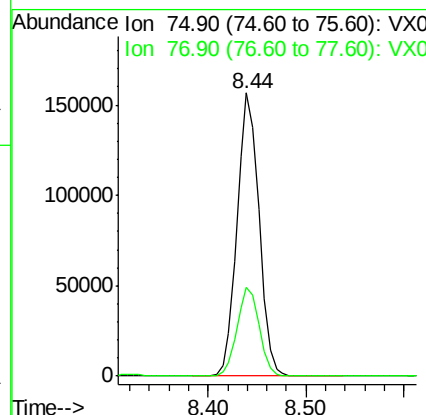
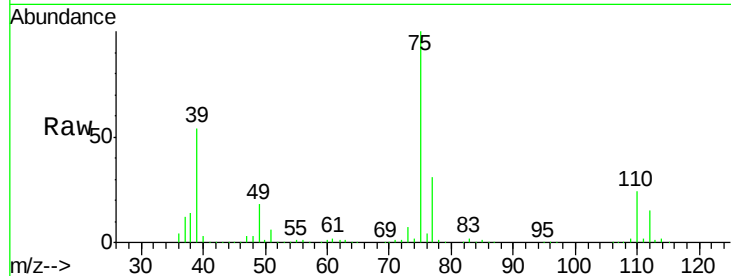
#53
t-1,3-Dichloropropene
Concen: 54.469 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 244113
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2

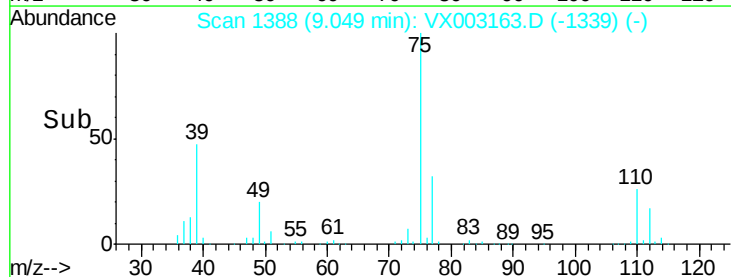
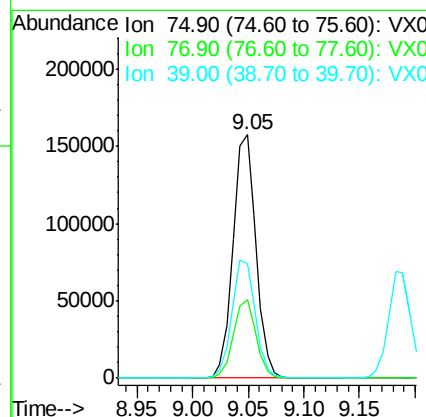
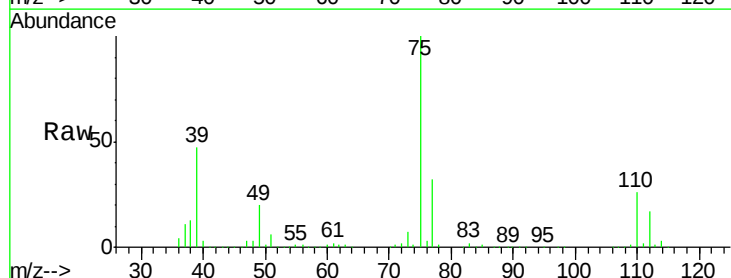
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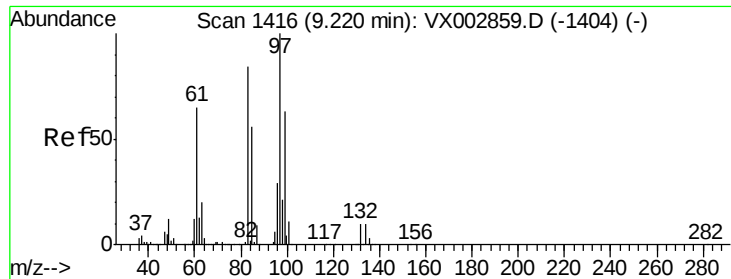
sam
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#54
cis-1,3-Dichloropropene
Concen: 52.044 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion: 75 Resp: 224428
Ion Ratio Lower Upper
75 100
77 32.0 24.8 37.2
39 46.9 42.4 63.6





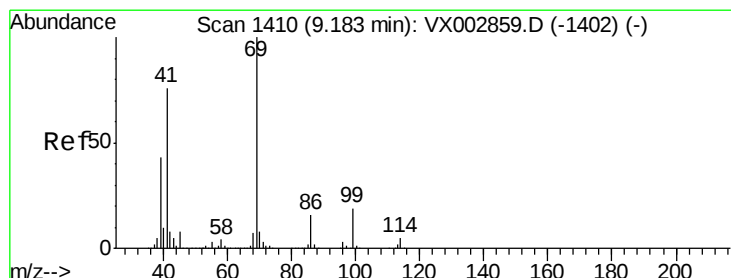
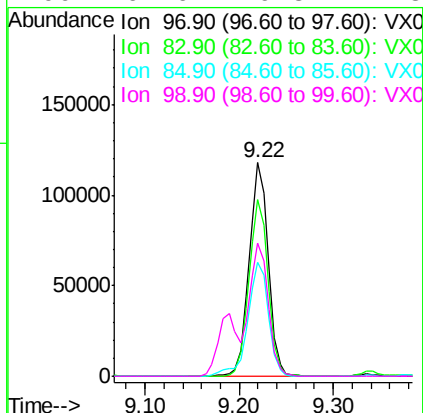
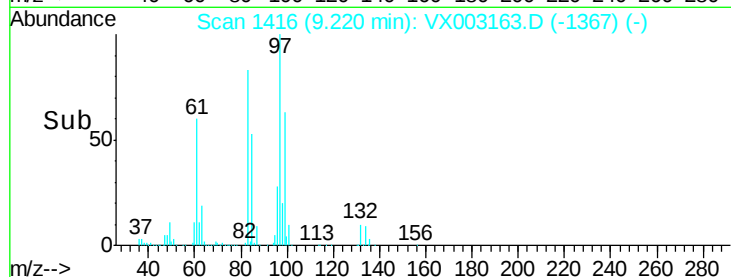
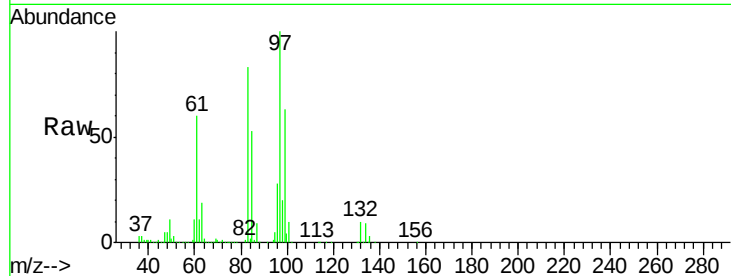
#55
 1,1,2-Trichloroethane
 Concen: 55.037 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	168467
Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.2	105.2
85	53.3	44.9	67.3
99	62.6	49.8	74.8

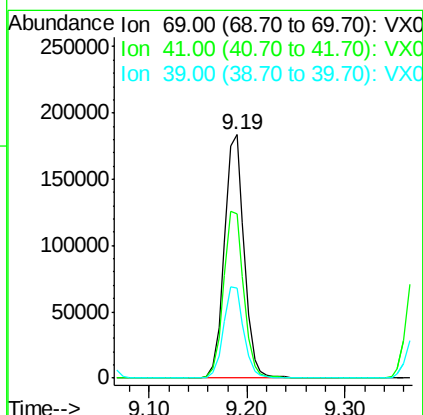
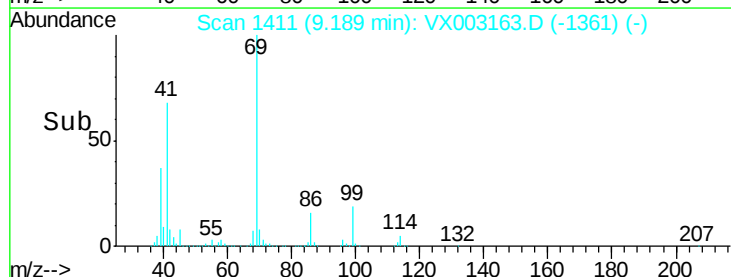
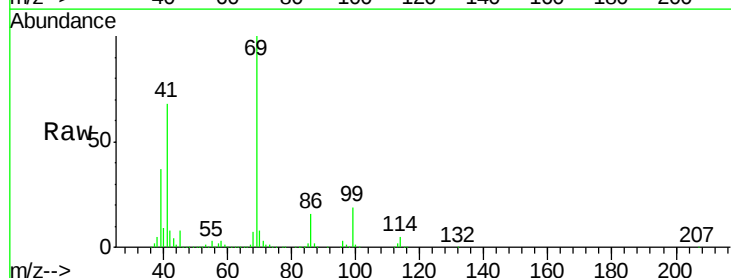
Manual Integrations
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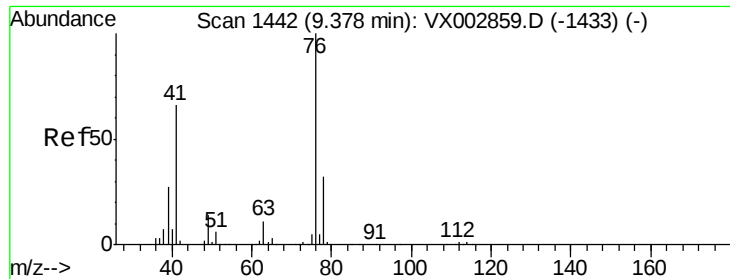
sam
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#56
 Ethyl methacrylate
 Concen: 57.456 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Tgt Ion:	69	Resp:	257036
Ion	Ratio	Lower	Upper
69	100		
41	69.7	60.3	90.5
39	38.2	35.8	53.8





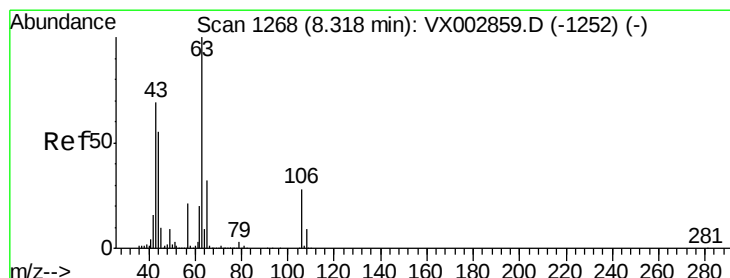
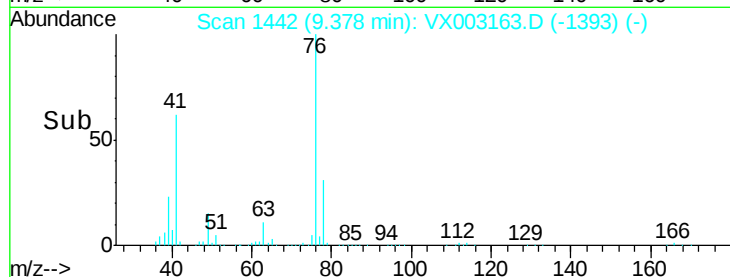
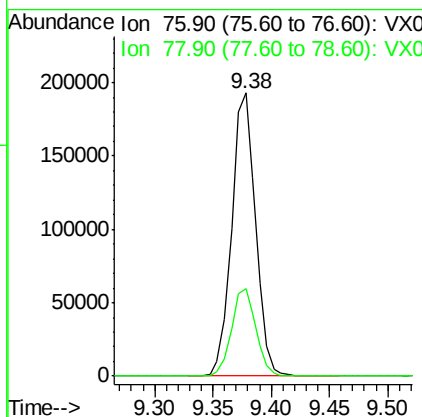
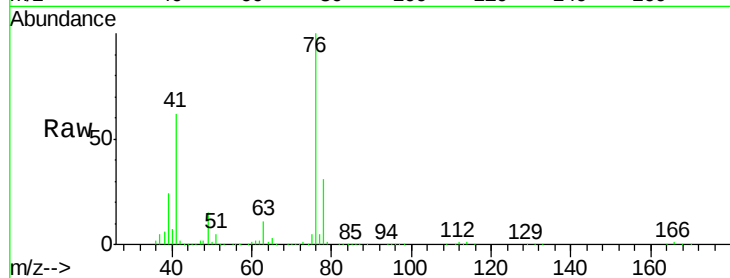
#57
 1,3-Dichloropropane
 Concen: 54.673 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

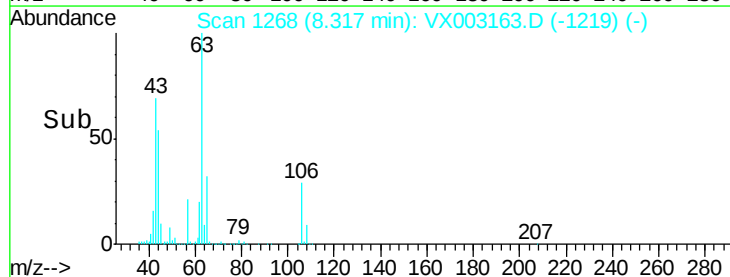
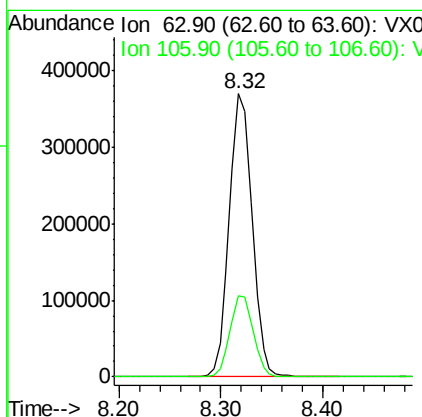
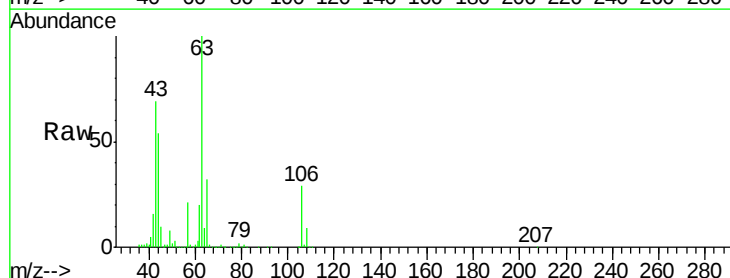
Manual Integrations
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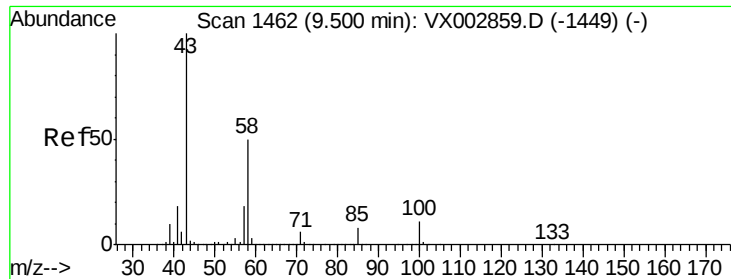
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 266.418 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	21.8	32.8





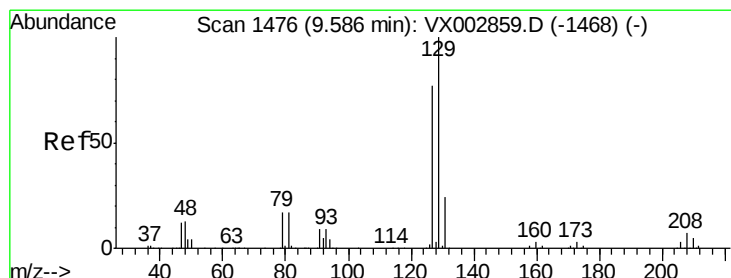
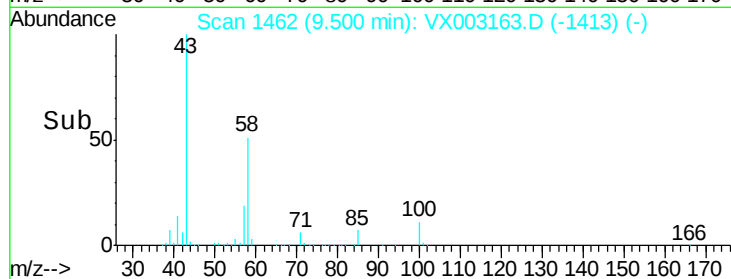
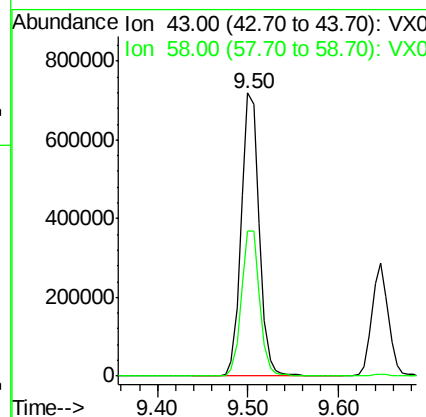
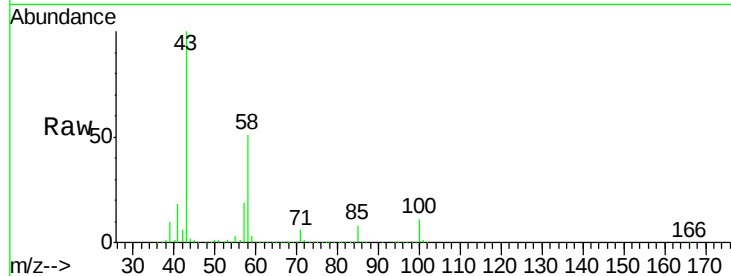
#59
2-Hexanone
Concen: 287.479 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	987857
Ion Ratio	100	Lower	Upper
43	100		
58	52.1	24.6	73.6

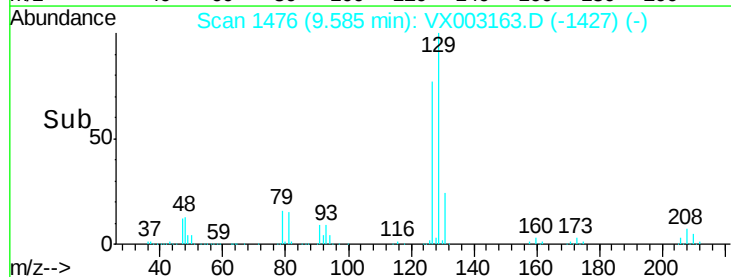
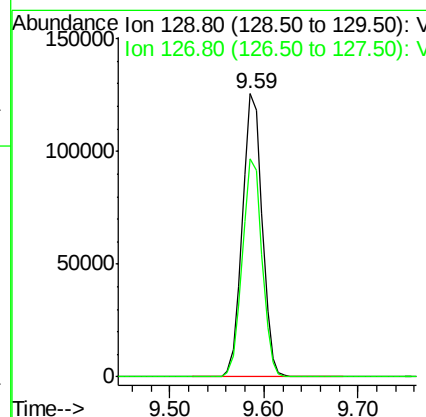
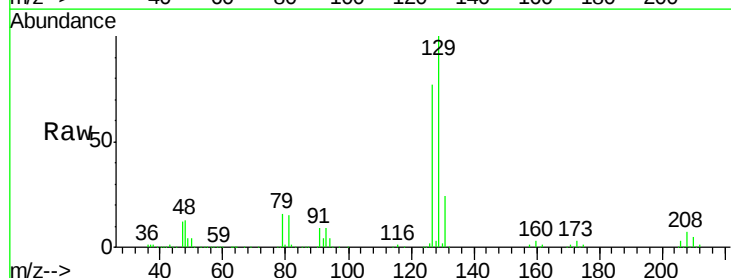
Manual Integrations
APPROVED

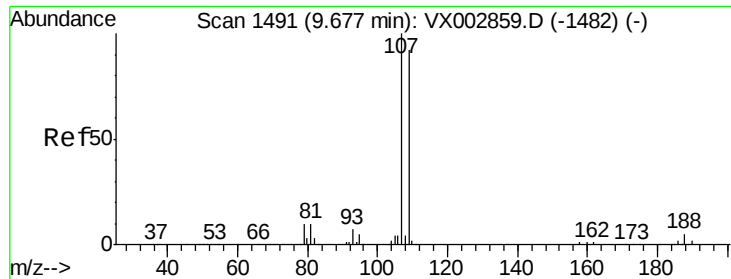
sam
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#60
Dibromochloromethane
Concen: 56.978 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion	129	Resp	183600
Ion Ratio	100	Lower	Upper
129	100		
127	76.9	38.5	115.3





#61

1,2-Dibromoethane

Concen: 56.118 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 180178

Ion Ratio Lower Upper

107 100

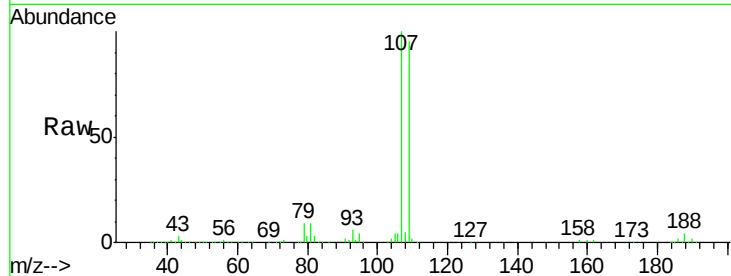
109 94.2 75.3 112.9

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

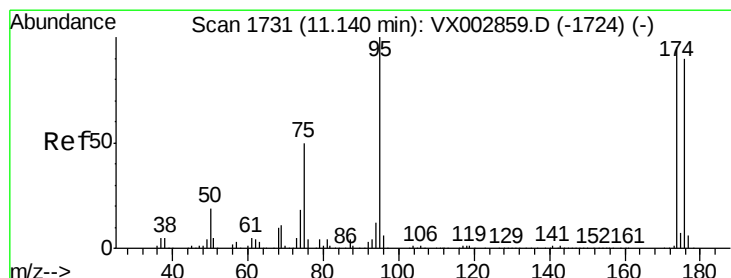
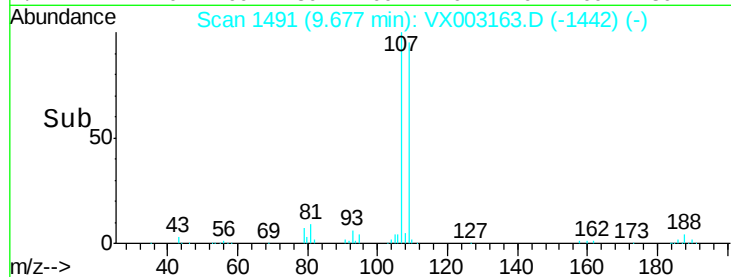
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.151 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

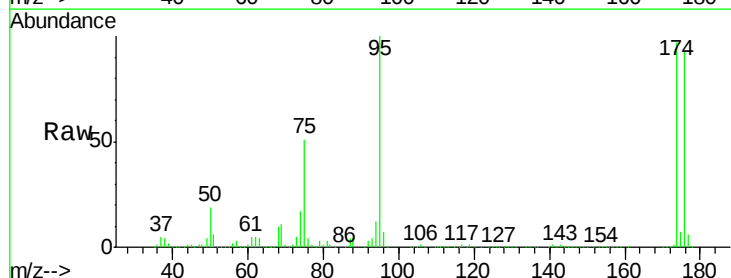
Tgt Ion: 95 Resp: 204115

Ion Ratio Lower Upper

95 100

174 99.3 0.0 187.4

176 96.3 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

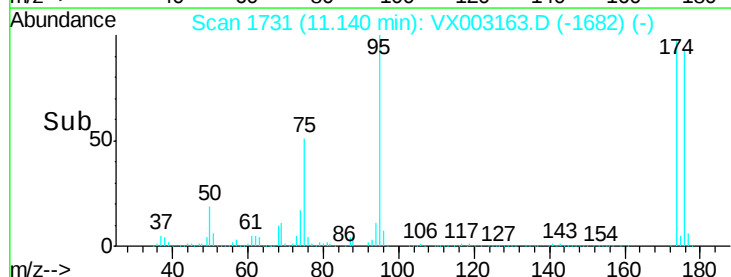
150000

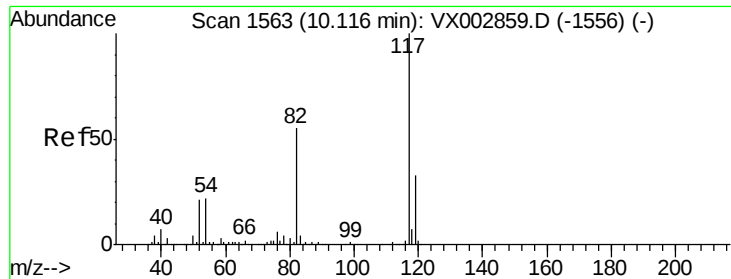
100000

50000

0

Time-->





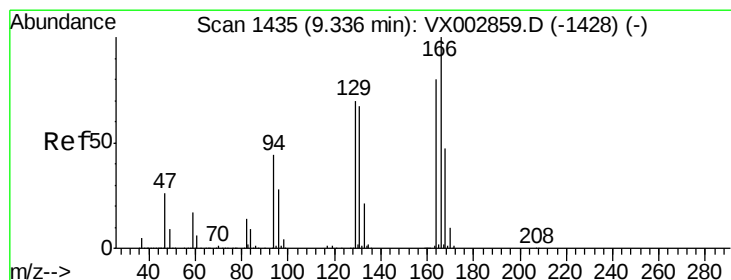
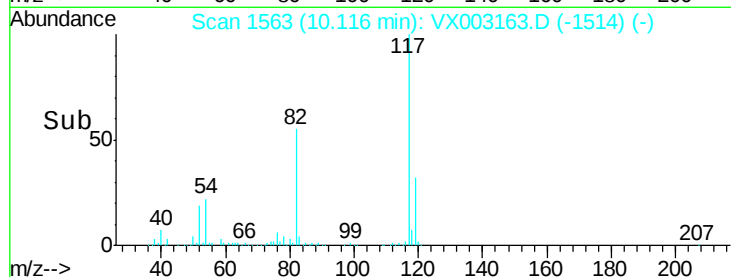
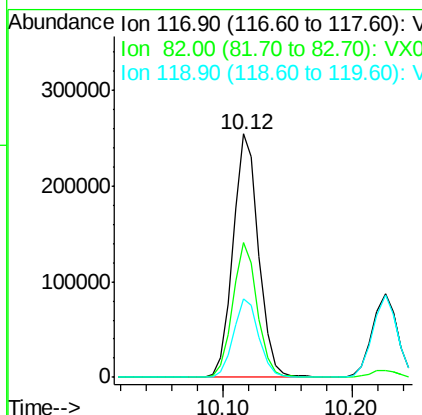
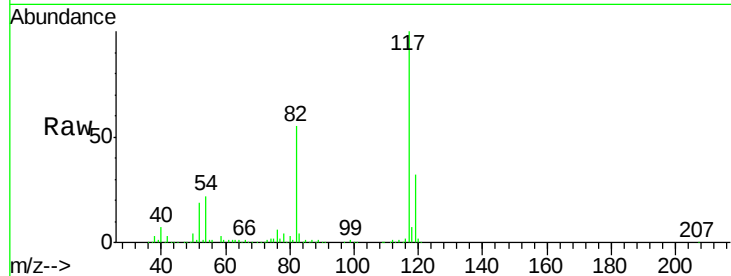
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	55.2	45.0	67.4	
119	32.1	25.8	38.6	

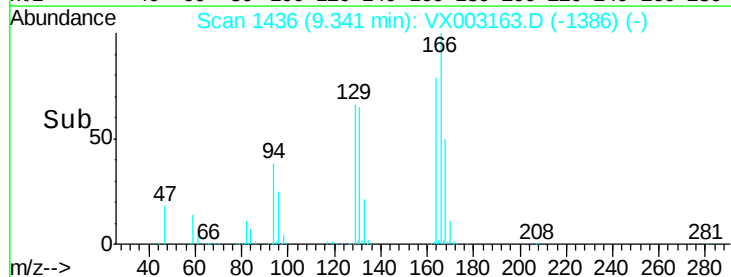
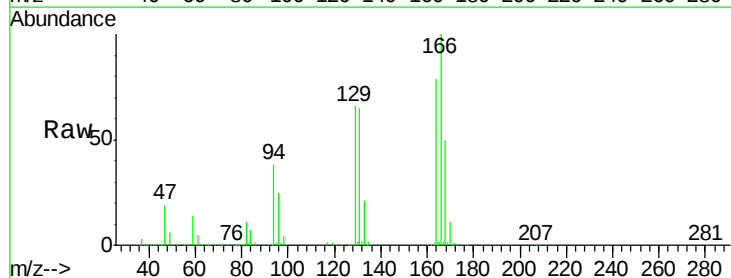
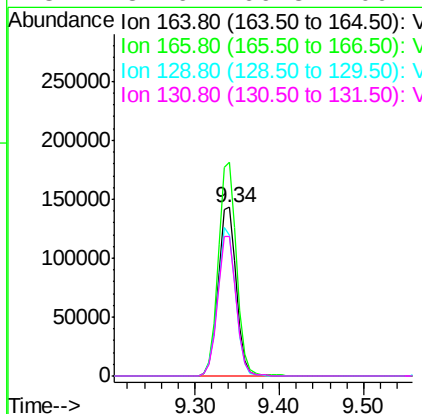
Manual Integrations
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#64
Tetrachloroethene
Concen: 54.730 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.8	102.9	154.3	
129	83.9	68.6	102.8	
131	82.6	66.8	100.2	





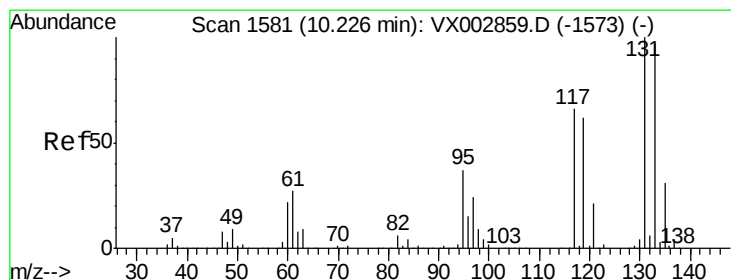
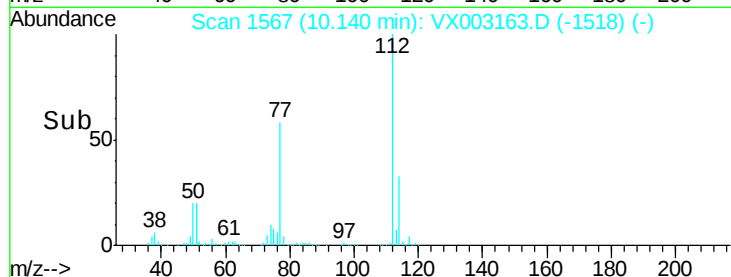
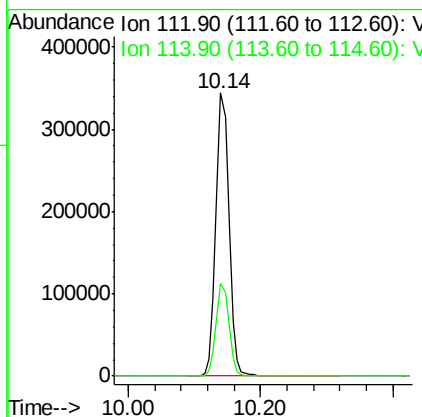
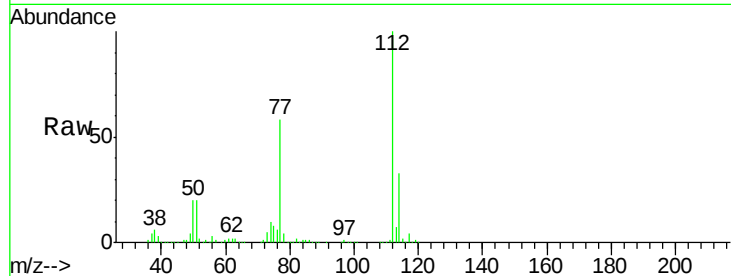
#65
Chlorobenzene
Concen: 52.716 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 469474
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9

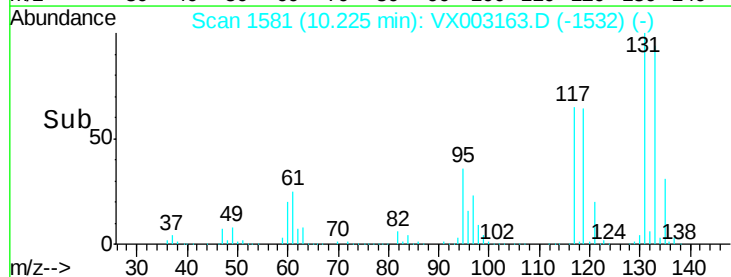
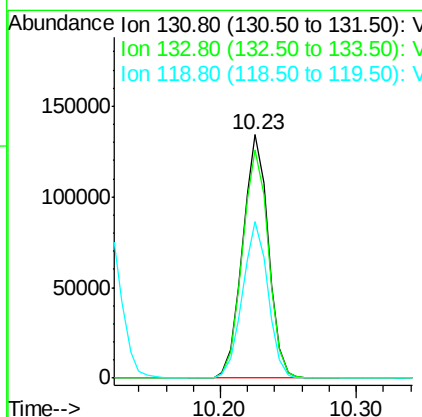
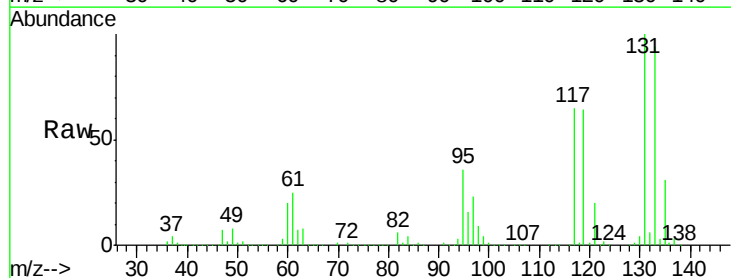
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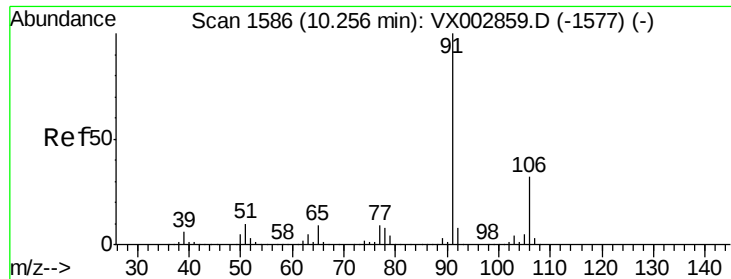
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.678 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion:131 Resp: 176892
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.6
119 63.6 31.8 95.3





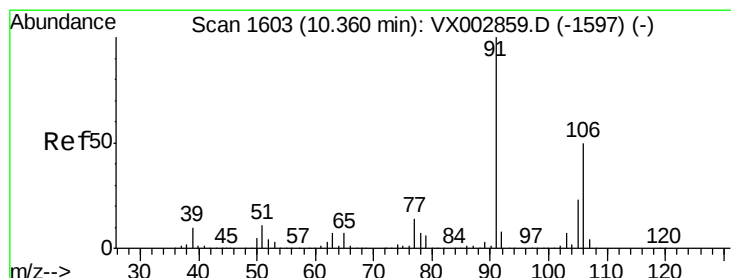
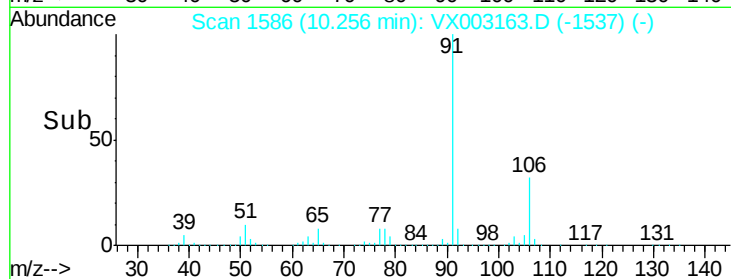
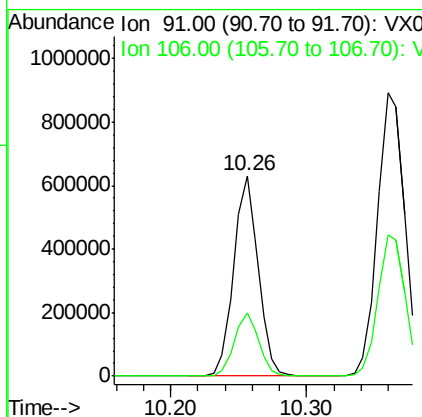
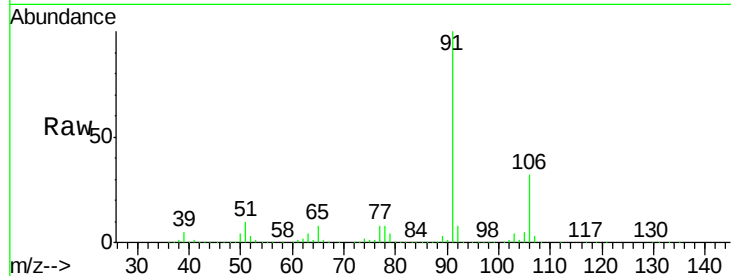
#67
Ethyl Benzene
Concen: 53.781 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 791198
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3

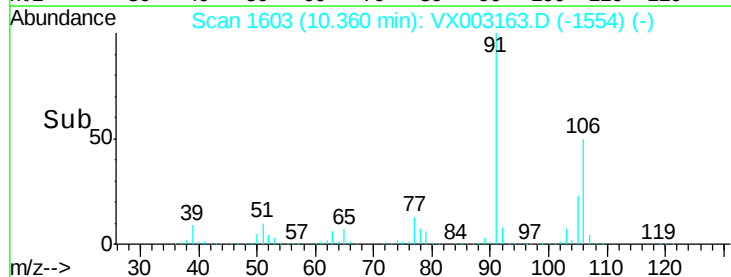
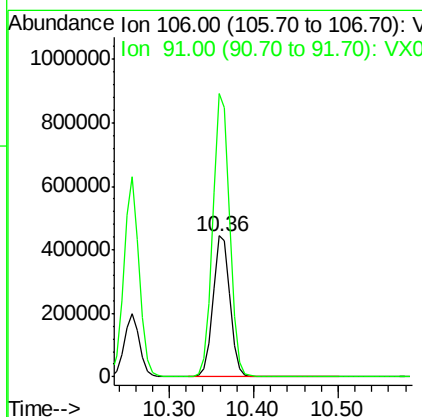
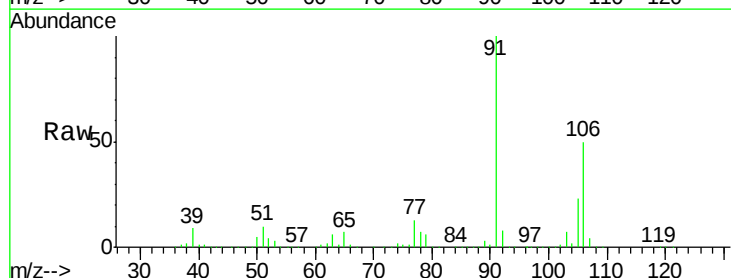
Manual Integrations
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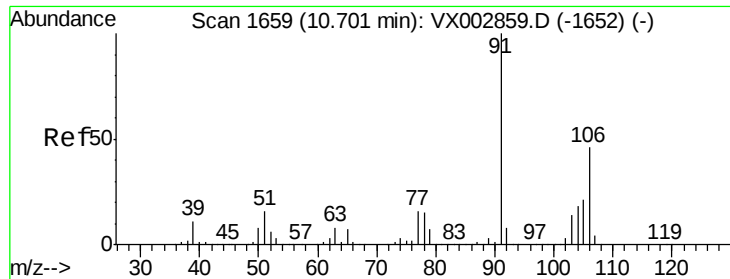
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#68
m/p-Xylenes
Concen: 109.470 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion: 106 Resp: 620680
Ion Ratio Lower Upper
106 100
91 200.4 163.4 245.2





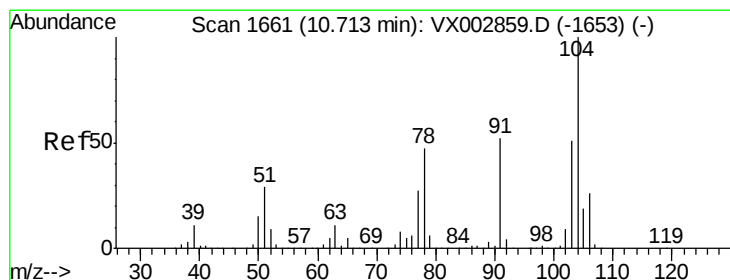
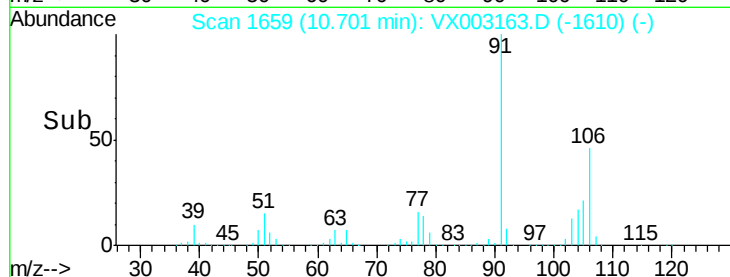
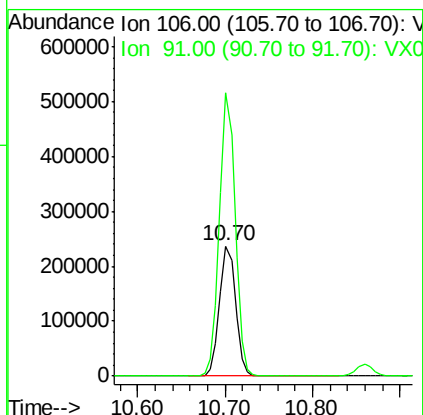
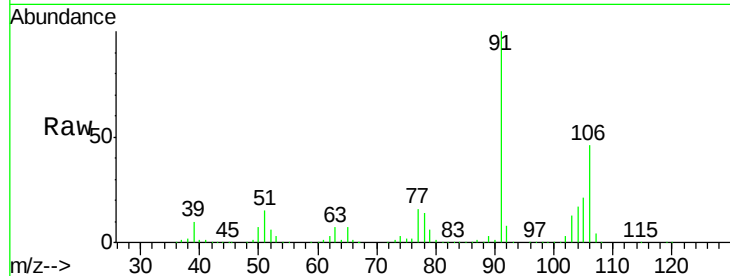
#69
o-Xylene
Concen: 54.721 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 302104
Ion Ratio Lower Upper
106 100
91 212.8 108.2 324.6

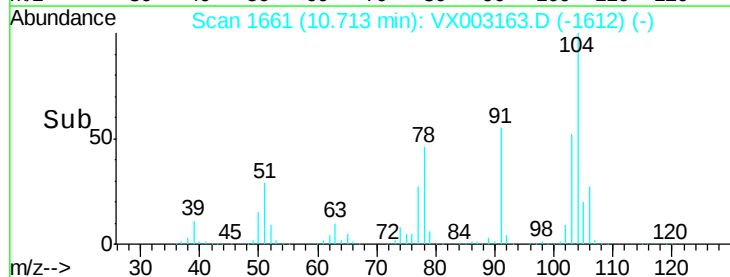
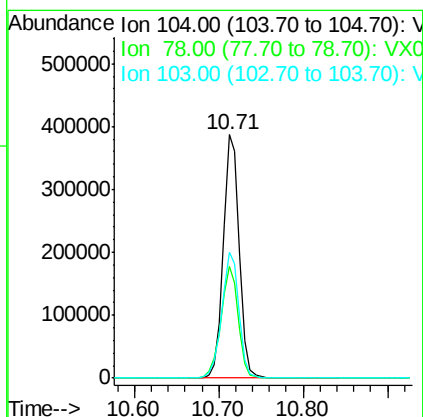
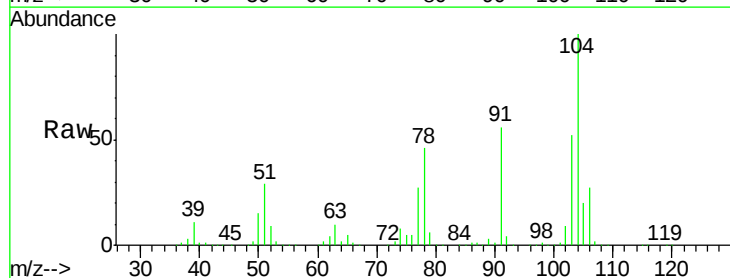
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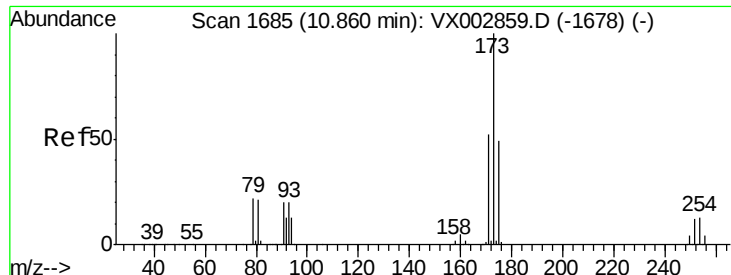
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#70
Styrene
Concen: 56.650 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion:104 Resp: 508192
Ion Ratio Lower Upper
104 100
78 49.6 41.0 61.6
103 55.6 44.2 66.4





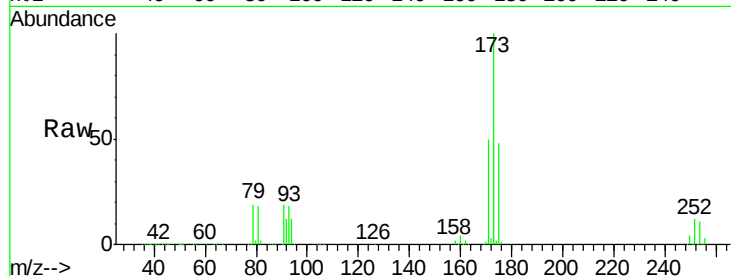
#71
Bromoform
Concen: 50.515 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

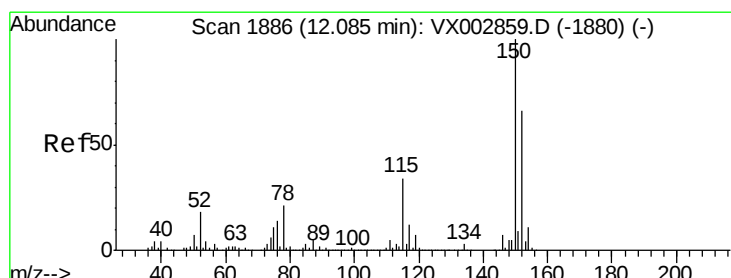
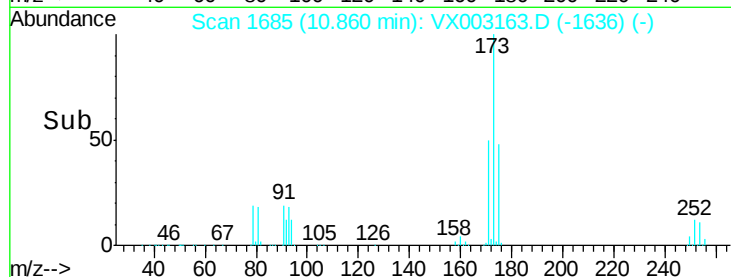
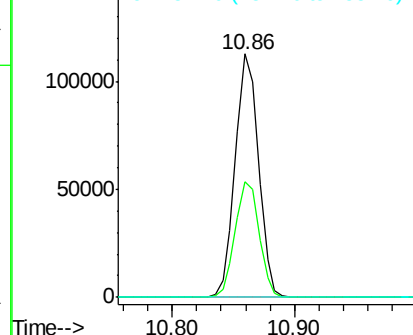
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.7	74.1
254	0.2	0.2	0.2

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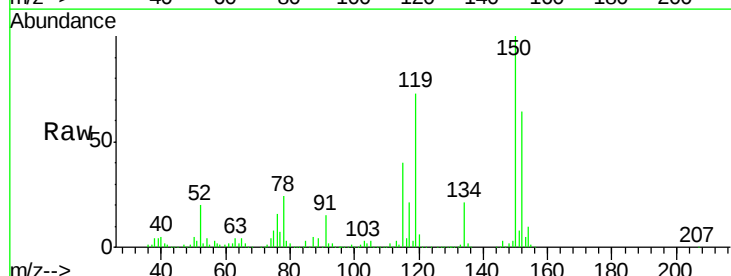


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

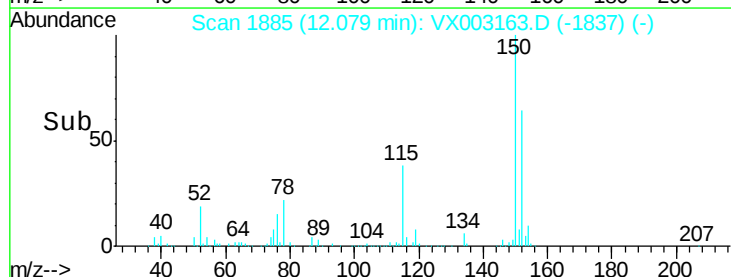
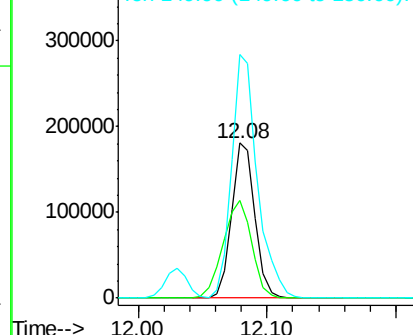


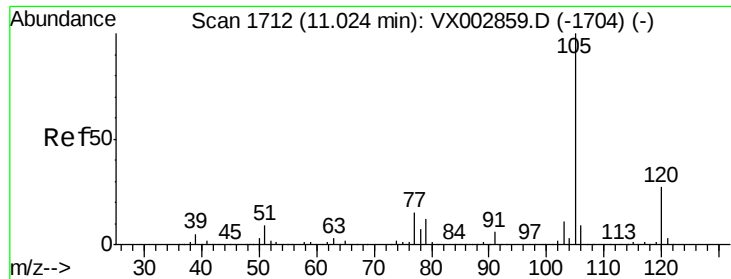
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.9	40.1	120.2
150	174.1	0.0	347.2



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





#73

Isopropylbenzene

Concen: 53.116 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 817872

Ion Ratio Lower Upper

105 100

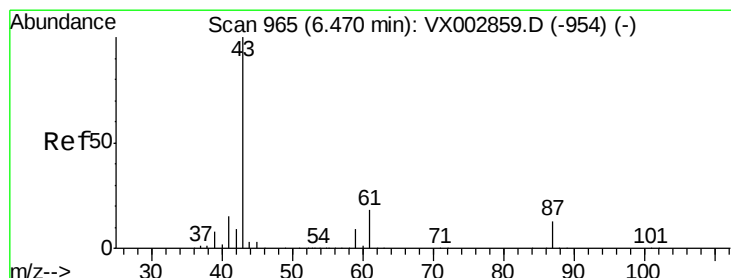
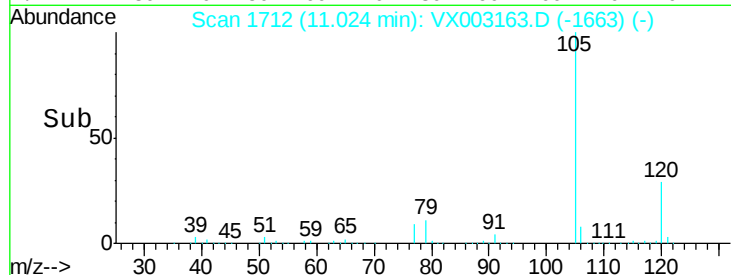
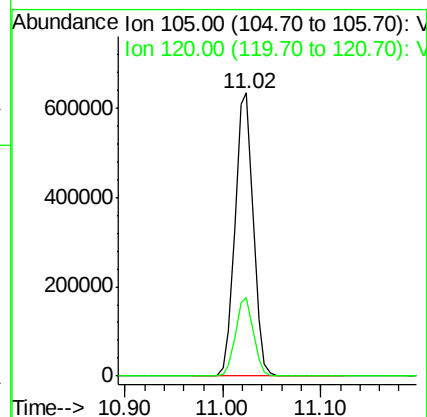
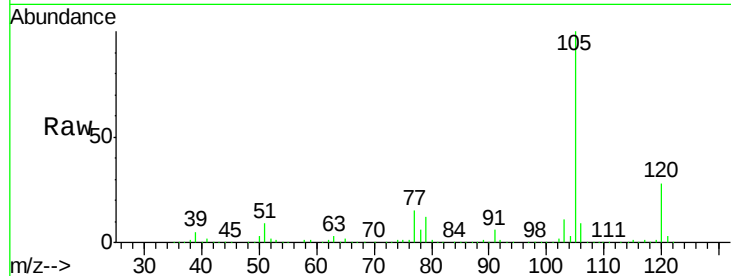
120 27.3 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.375 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Tgt Ion: 43 Resp: 387057

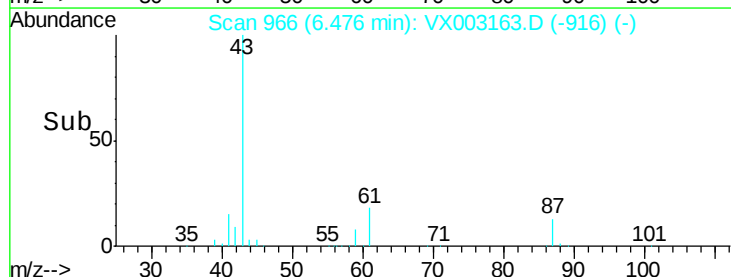
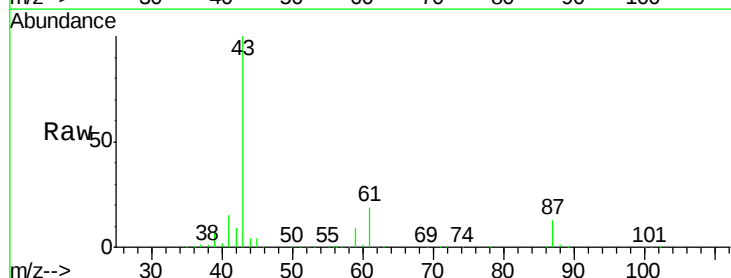
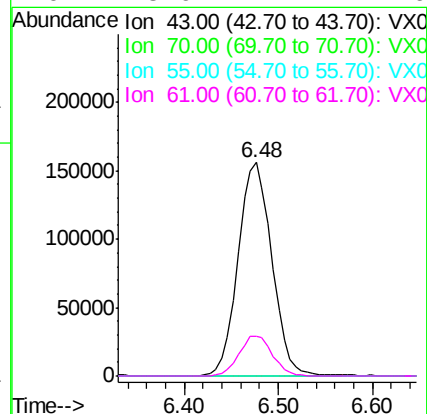
Ion Ratio Lower Upper

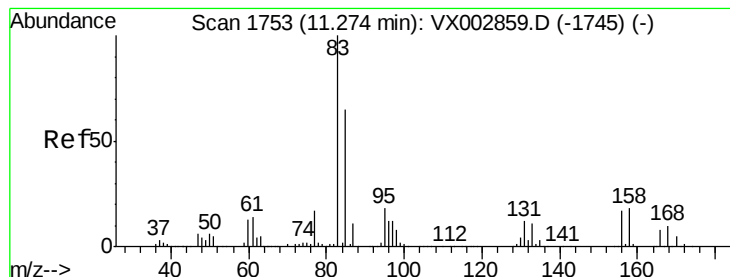
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.9 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.620 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

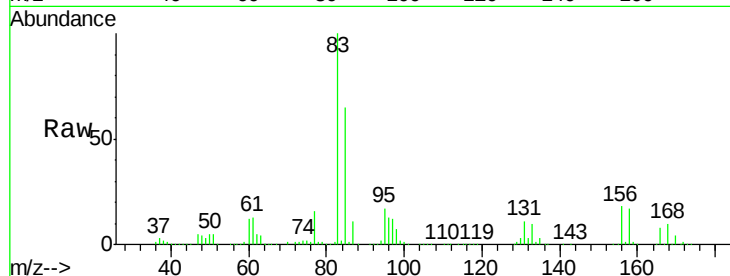
Tot Ion: 83 Resp: 259070
Ion Ratio Lower Upper

83	100		
131	11.3	5.6	16.8
85	64.2	32.4	97.2

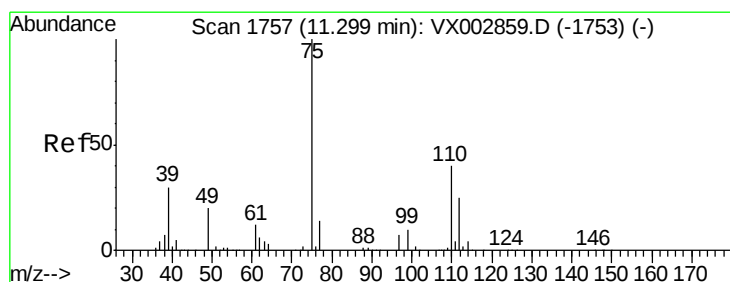
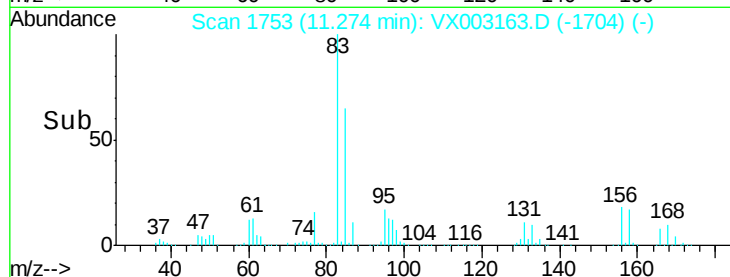
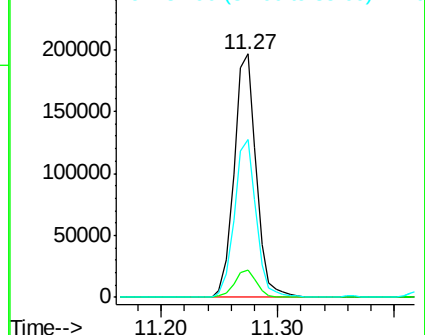
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 53.177 ug/l m

RT: 11.30 min Scan# 1757

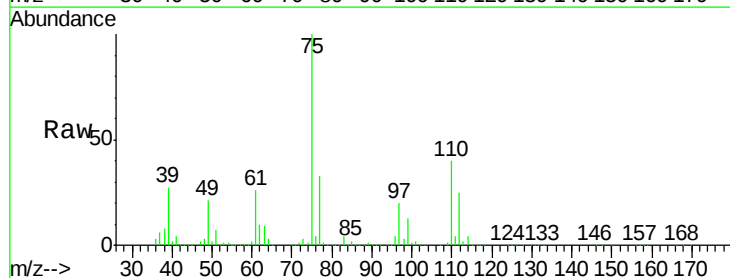
Delta R.T. -0.00 min

Lab File: VX003163.D

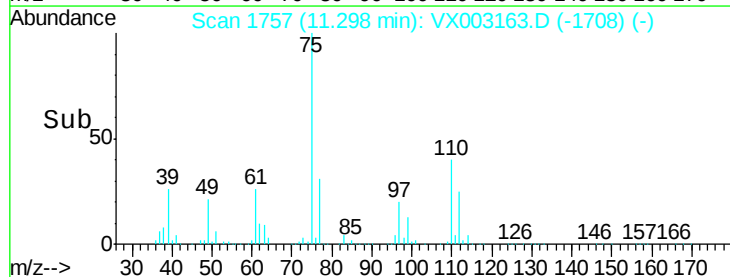
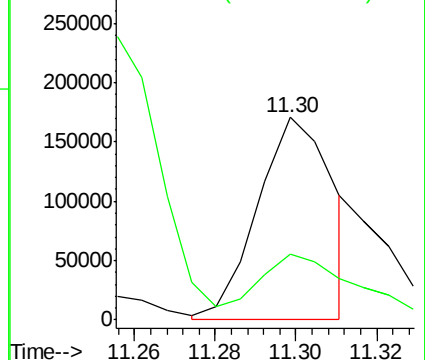
Acq: 03 Jul 2018 21:40

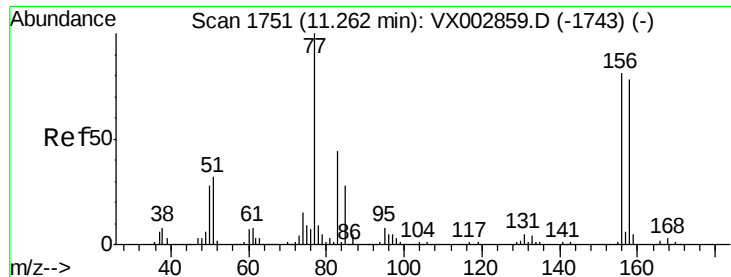
Tgt Ion: 75 Resp: 220470
Ion Ratio Lower Upper

75	100		
77	42.5	22.8	68.3



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





#77

Bromobenzene

Concen: 52.495 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

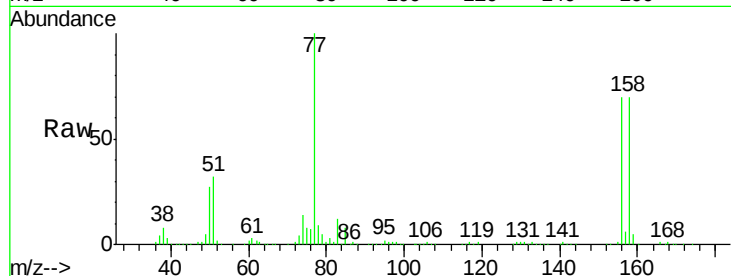
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	230186
Ion Ratio	Lower	Upper	
156	100		
77	134.6	71.4	214.2
158	98.4	48.9	146.6

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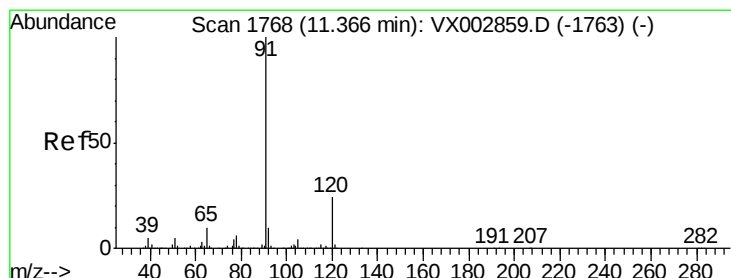
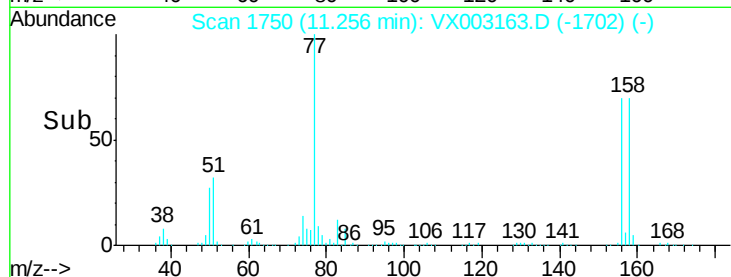
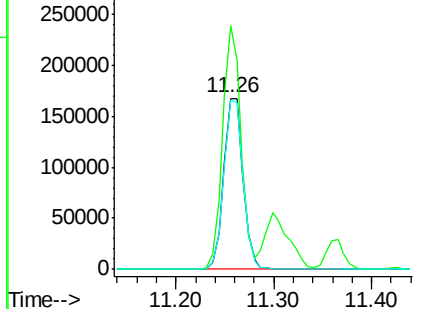
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.770 ug/l

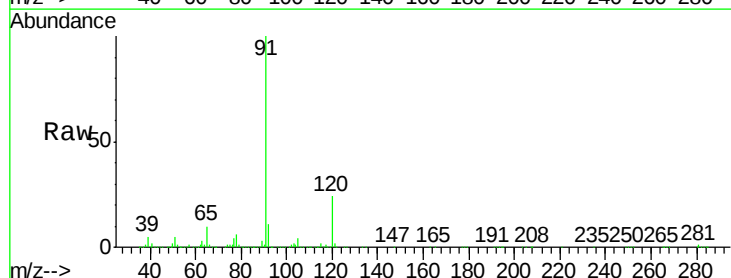
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003163.D

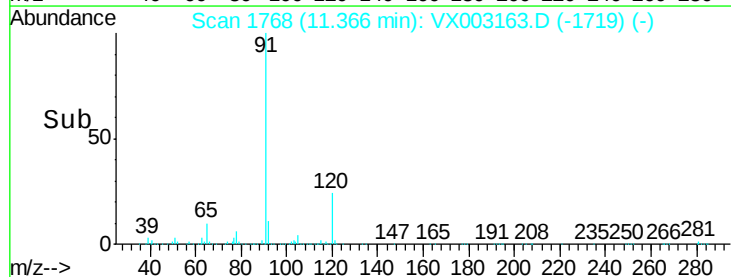
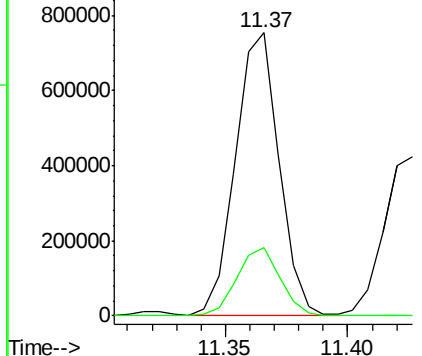
Acq: 03 Jul 2018 21:40

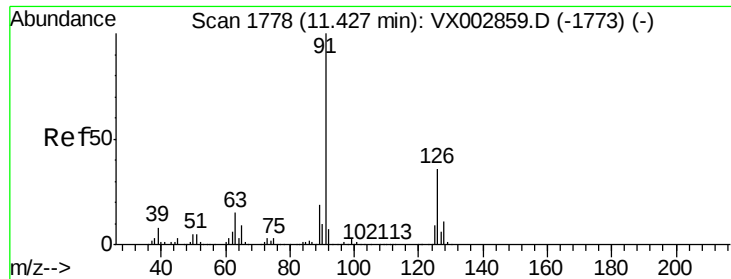
Tgt Ion:	91	Resp:	924908
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





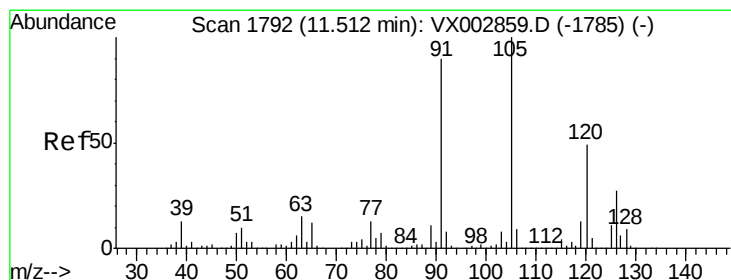
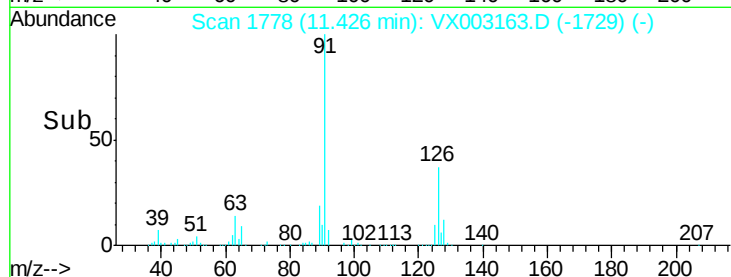
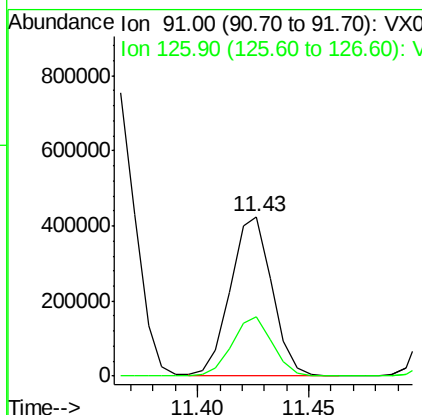
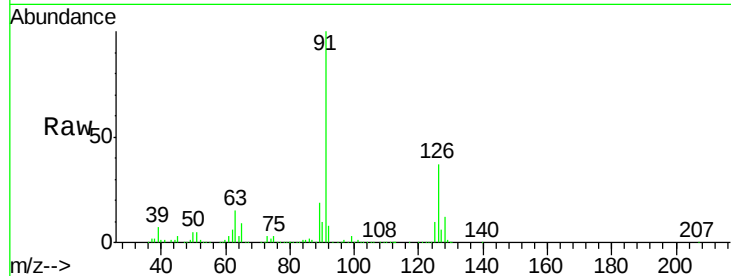
#79
 2-Chlorotoluene
 Concen: 51.558 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 91 Resp: 547100
 Ion Ratio Lower Upper
 91 100
 126 36.4 17.7 53.1

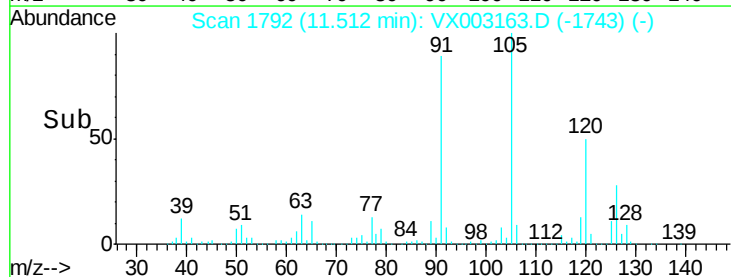
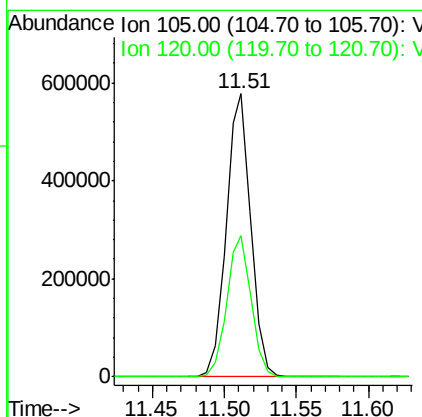
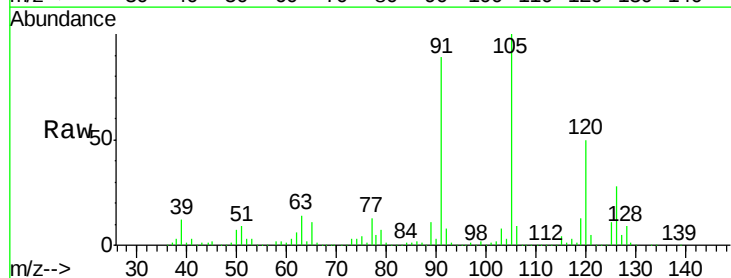
Manual Integrations
 APPROVED

sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.241 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Tgt Ion: 105 Resp: 690473
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 45.772 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 64970

Ion Ratio Lower Upper

75 100

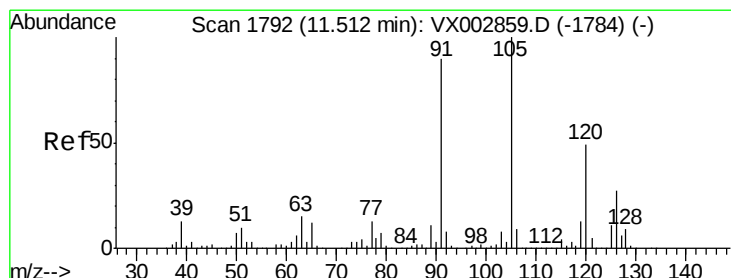
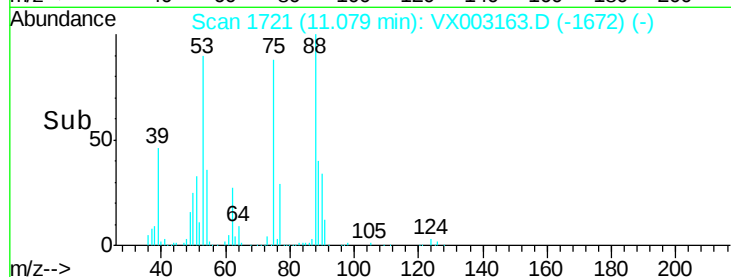
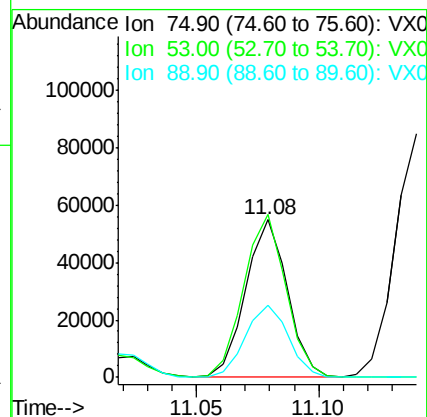
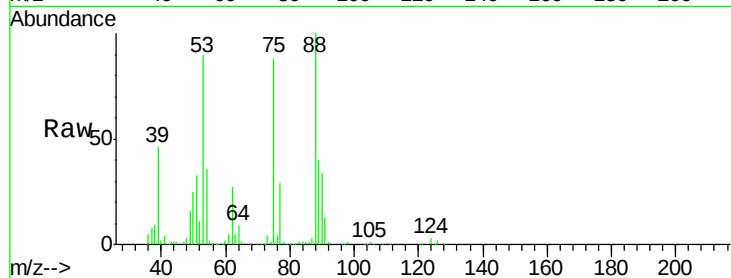
53 104.7 86.8 130.2

89 47.3 38.2 57.2

Manual Integrations
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sam

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#82

4-Chlorotoluene

Concen: 51.400 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003163.D

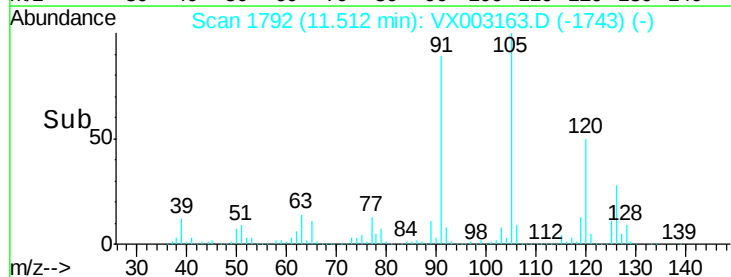
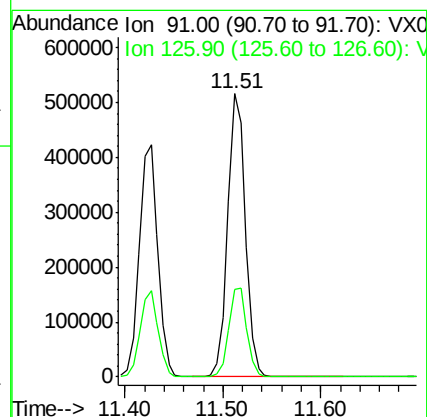
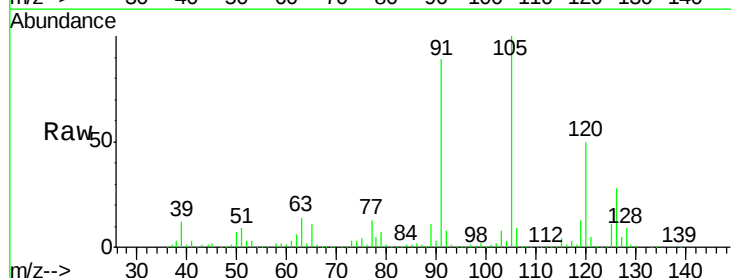
Acq: 03 Jul 2018 21:40

Tgt Ion: 91 Resp: 645696

Ion Ratio Lower Upper

91 100

126 32.1 15.4 46.4





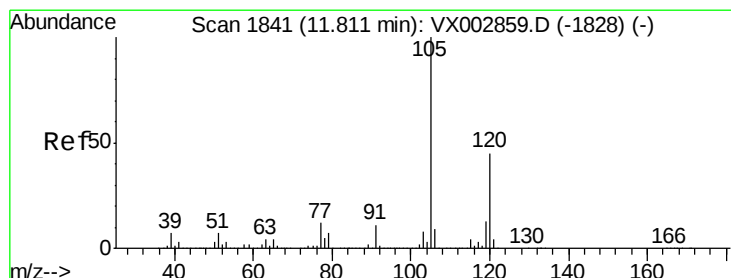
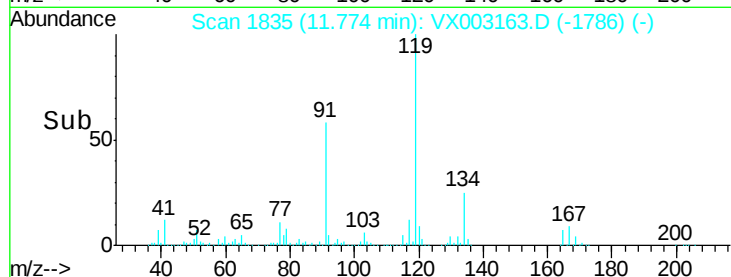
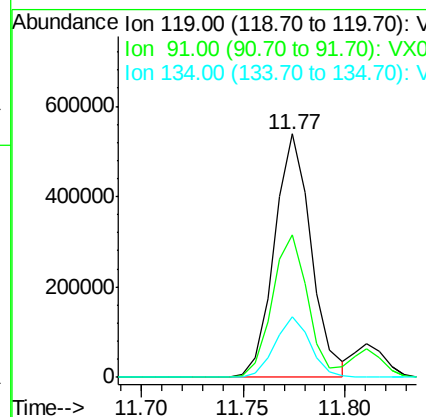
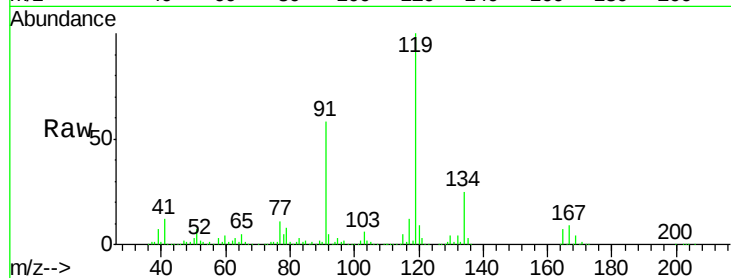
#83
tert-Butylbenzene
Concen: 52.979 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.5	30.3	90.9
134	23.9	11.7	35.1

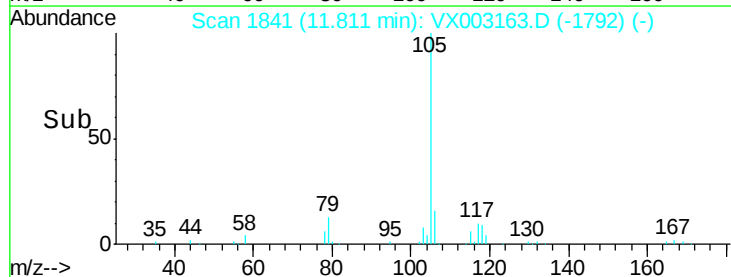
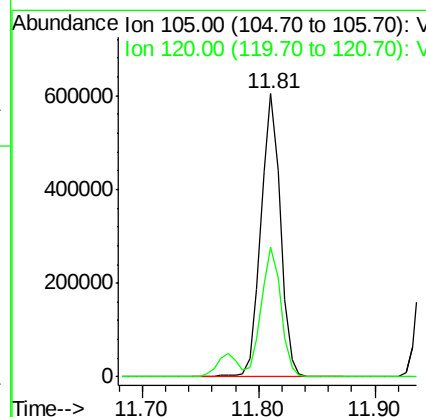
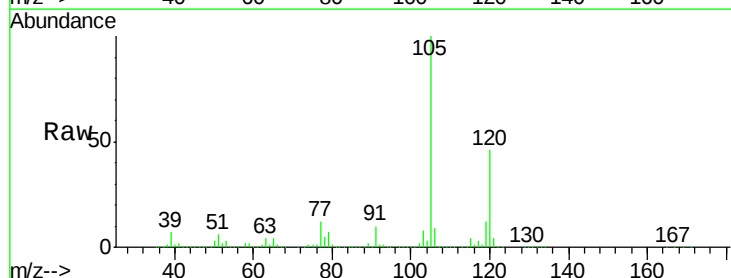
Manual Integrations
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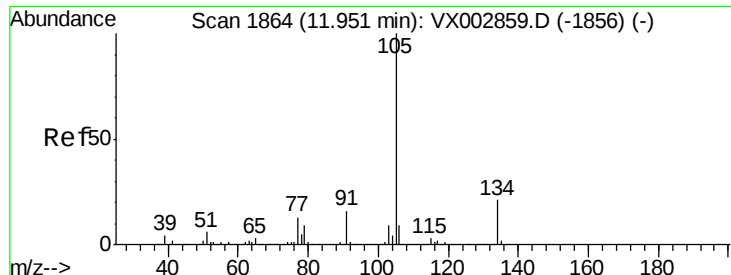
sam
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#84
1,2,4-Trimethylbenzene
Concen: 52.787 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.8





#85

sec-Butylbenzene

Concen: 52.065 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 807285

Ion Ratio Lower Upper

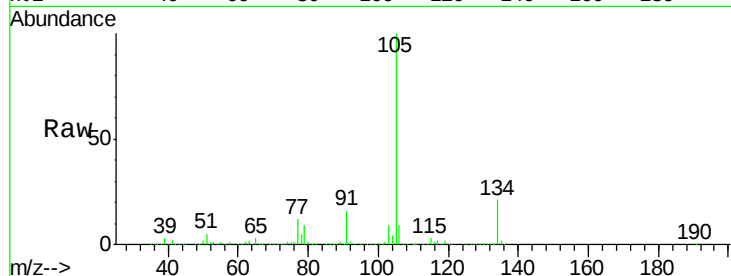
105 100

134 21.4 10.4 31.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

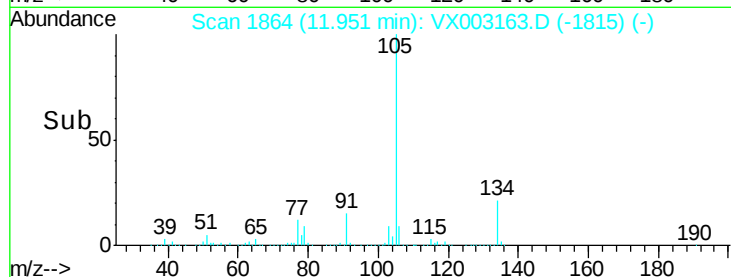
600000

400000

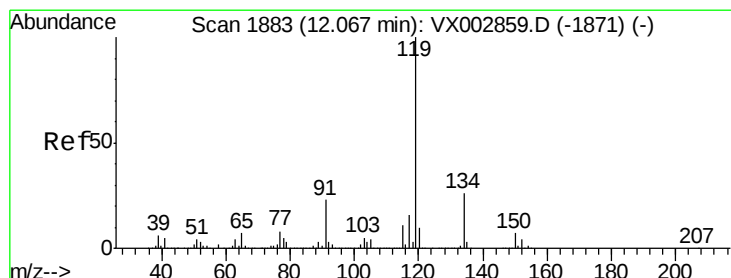
200000

0

Time-->



11.95



#86

p-Isopropyltoluene

Concen: 53.090 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

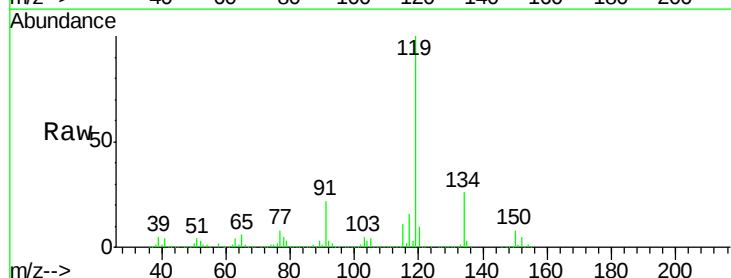
Tgt Ion:119 Resp: 740080

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 22.7 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

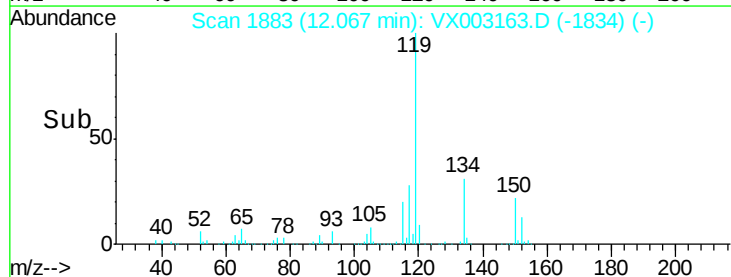
600000

400000

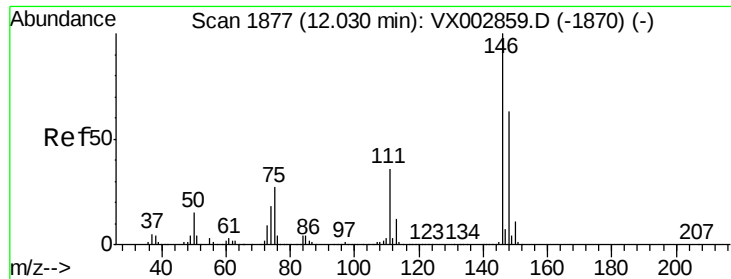
200000

0

Time-->



12.07



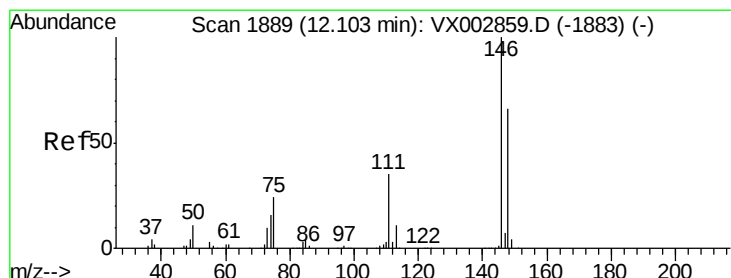
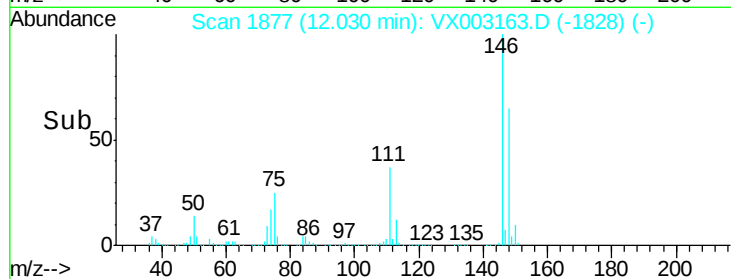
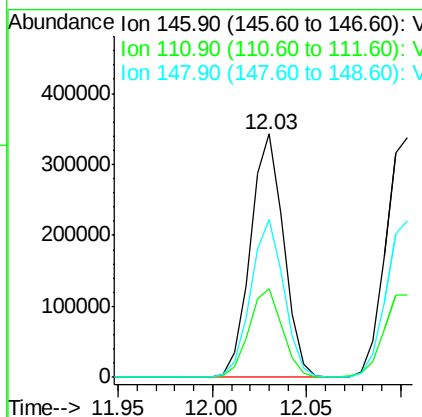
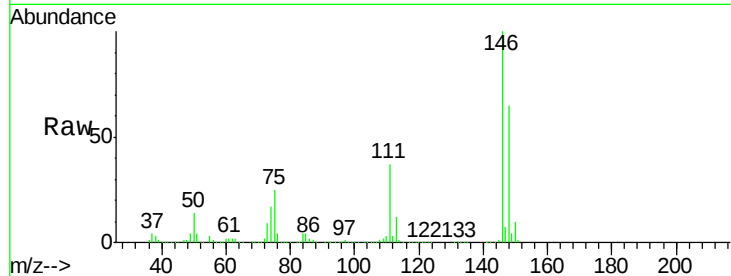
#87
 1,3-Dichlorobenzene
 Concen: 52.213 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	64.6	32.1	96.3

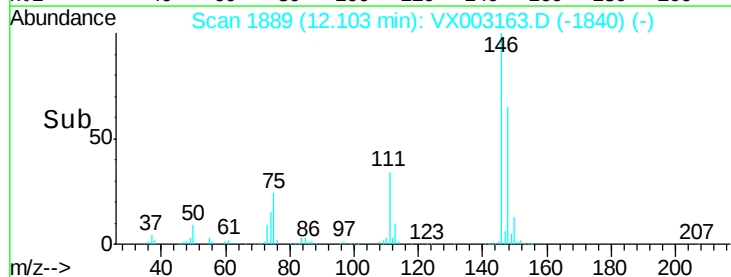
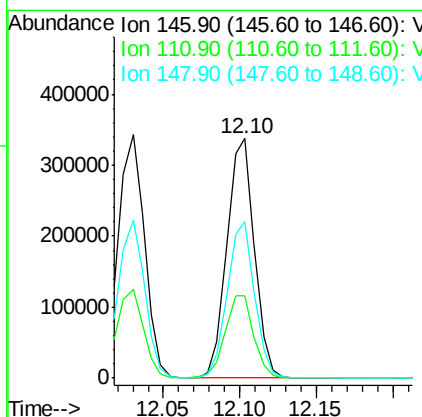
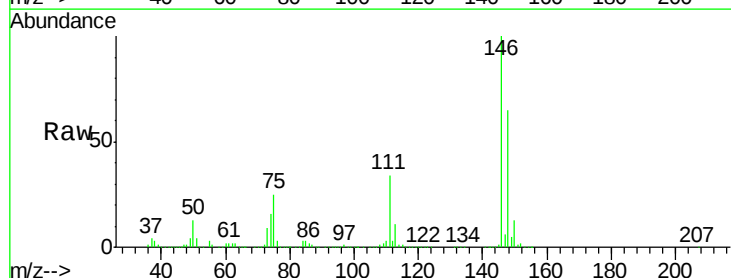
Manual Integrations
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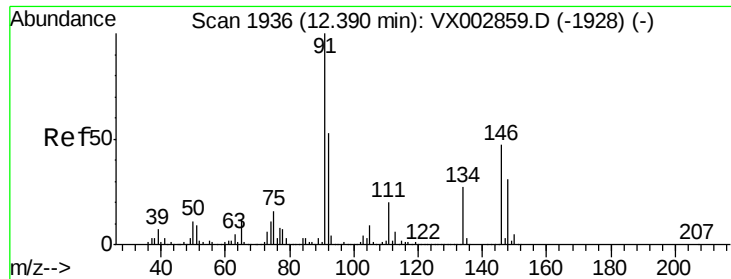
sam
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#88
 1,4-Dichlorobenzene
 Concen: 50.929 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.7	56.1
148	64.8	32.4	97.0





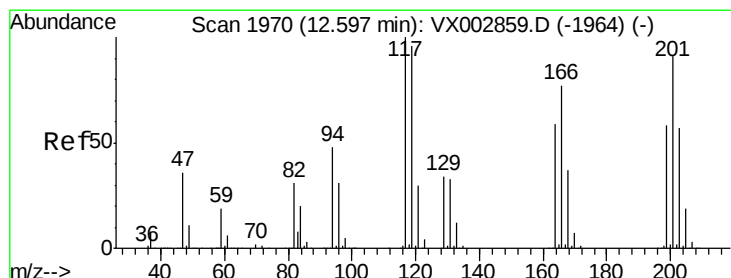
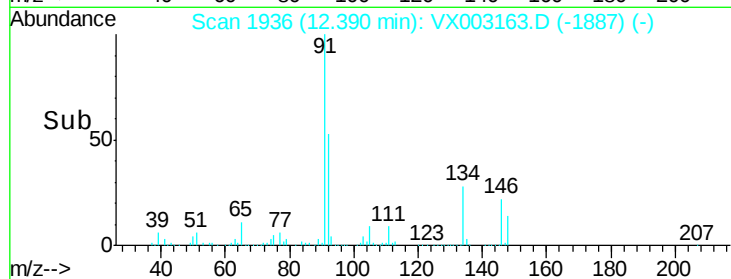
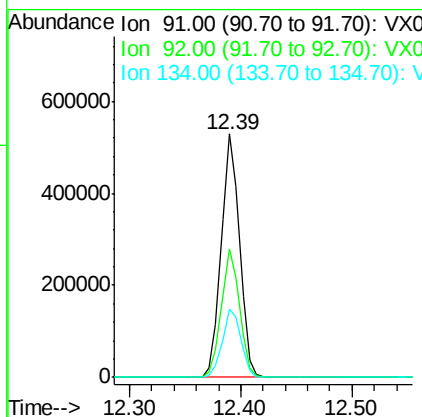
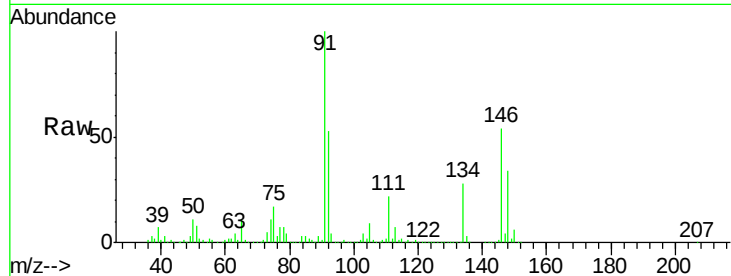
#89
n-Butylbenzene
Concen: 49.748 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	28.3	13.5	40.5

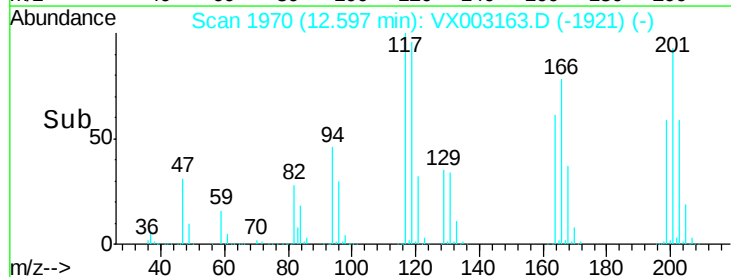
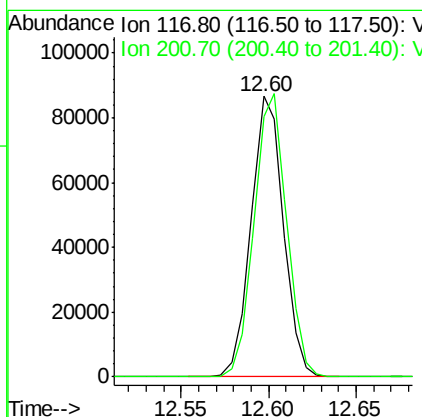
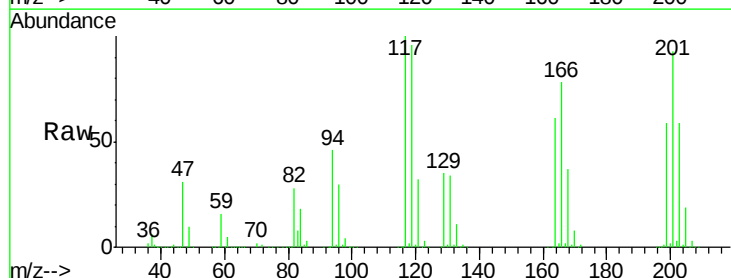
Manual Integrations
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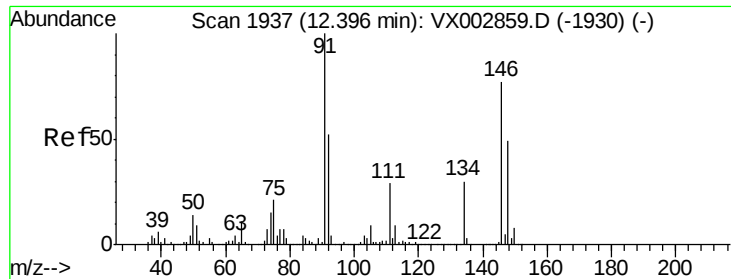
sam
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#90
Hexachloroethane
Concen: 53.633 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003163.D
Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.3	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 52.052 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 146 Resp: 420749

Ion Ratio Lower Upper

146 100

111 37.7 19.4 58.1

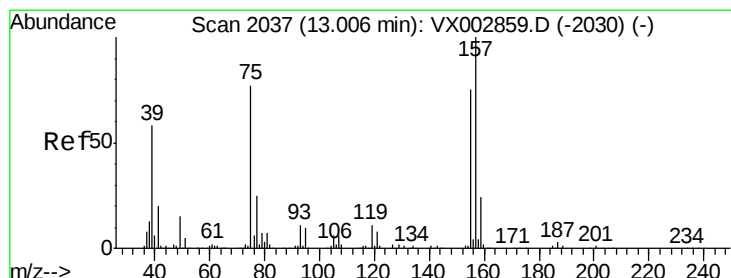
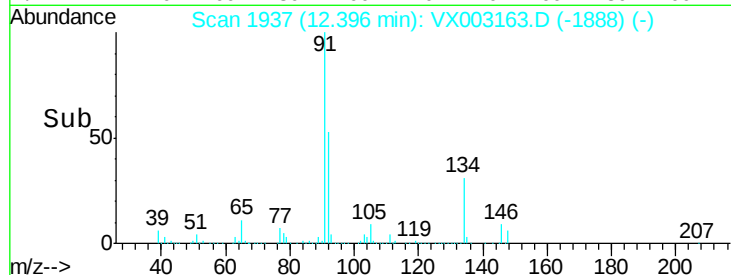
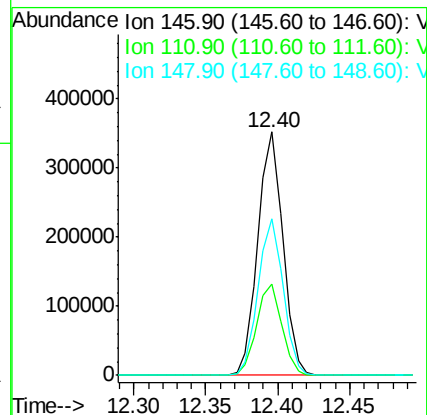
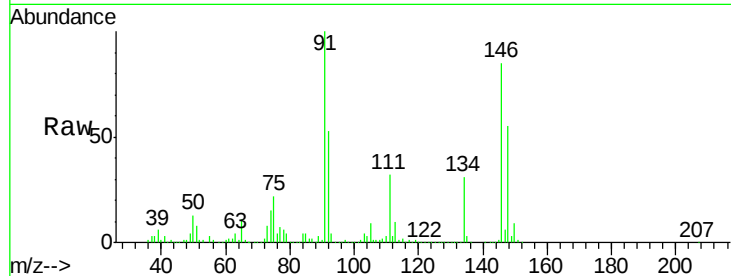
148 64.3 31.7 95.1

Manual Integrations

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#92

1,2-Dibromo-3-Chloropropane

Concen: 54.815 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

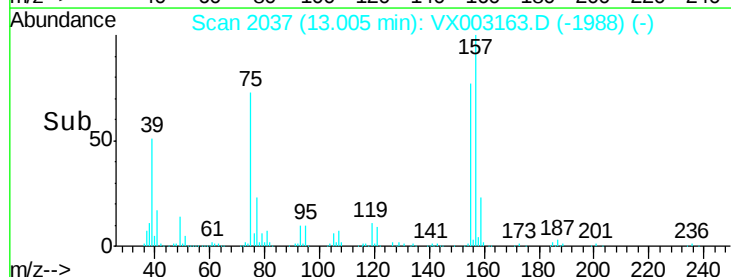
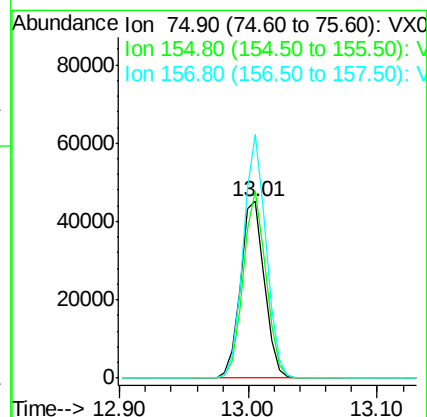
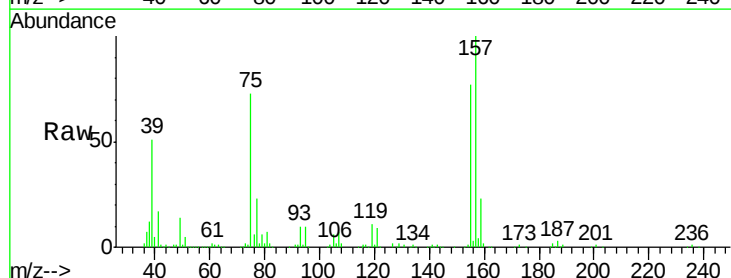
Tgt Ion: 75 Resp: 58448

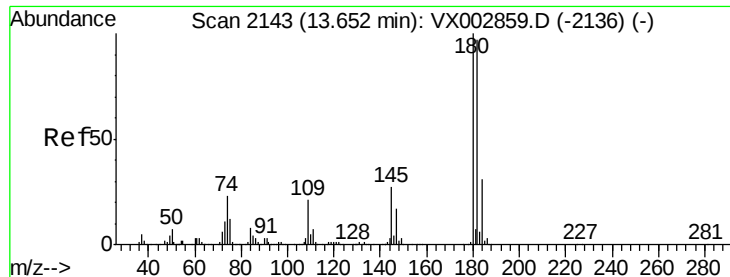
Ion Ratio Lower Upper

75 100

155 100.0 45.8 137.4

157 129.3 60.1 180.3





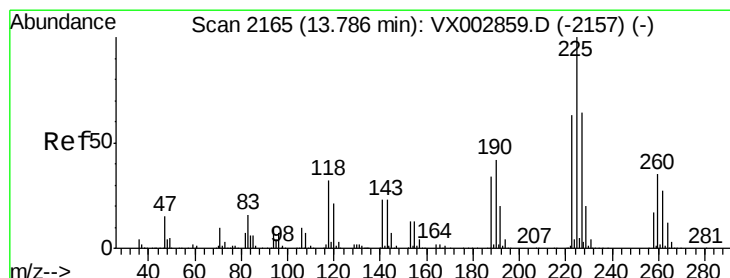
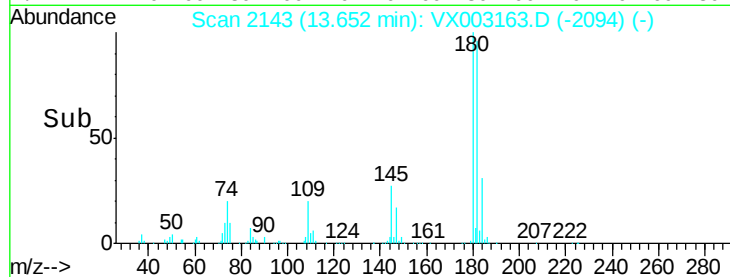
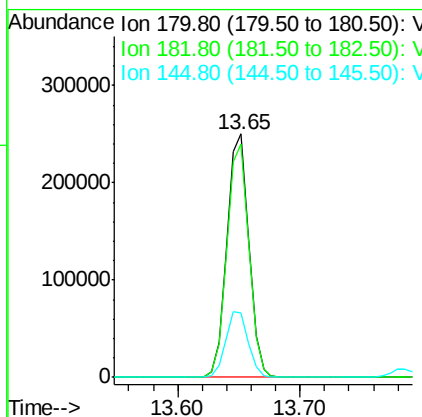
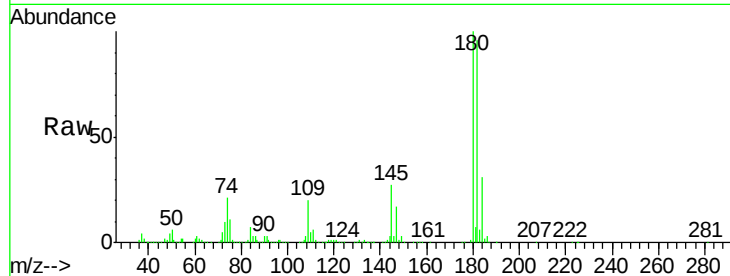
#93
 1,2,4-Trichlorobenzene
 Concen: 52.270 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	307491		
182	96.3	47.7	143.1	
145	27.9	14.1	42.4	

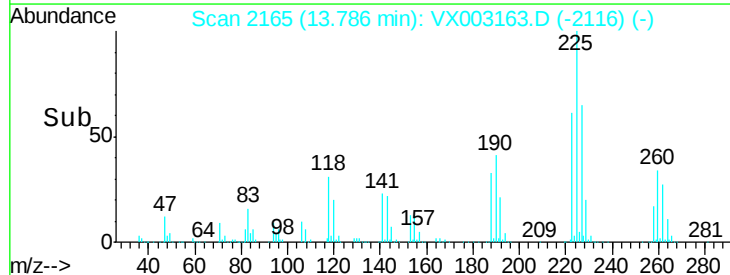
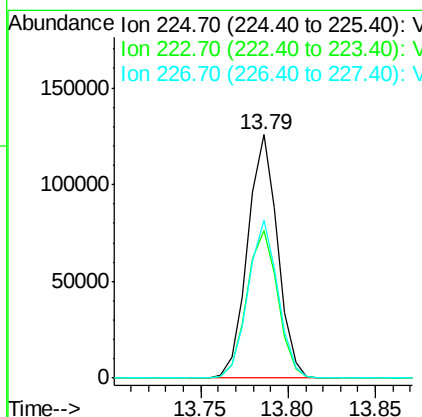
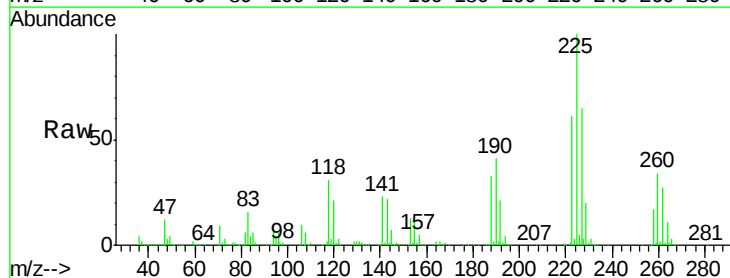
Manual Integrations
 APPROVED

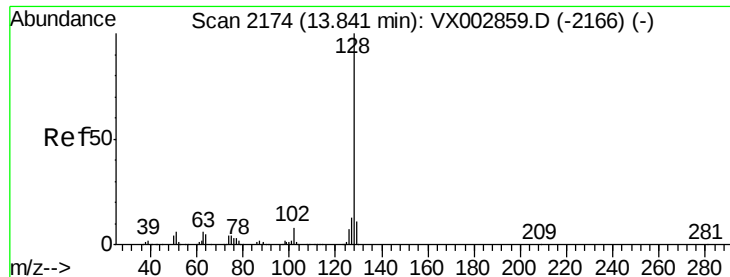
sam
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#94
 Hexachlorobutadiene
 Concen: 50.830 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003163.D
 Acq: 03 Jul 2018 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149137		
223	62.4	31.6	95.0	
227	64.5	32.4	97.2	





#95

Naphthalene

Concen: 57.238 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Instrument :

MSVOA_X

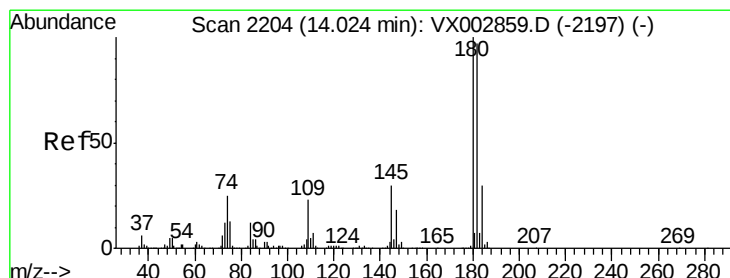
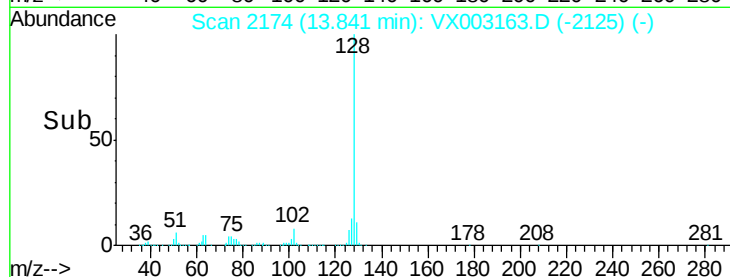
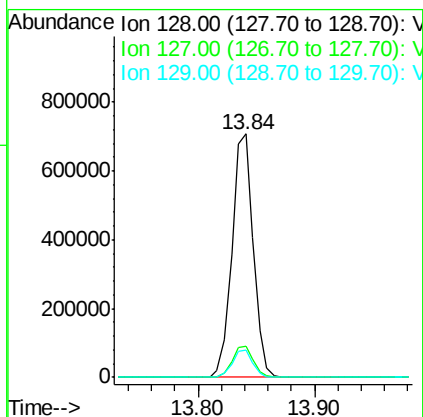
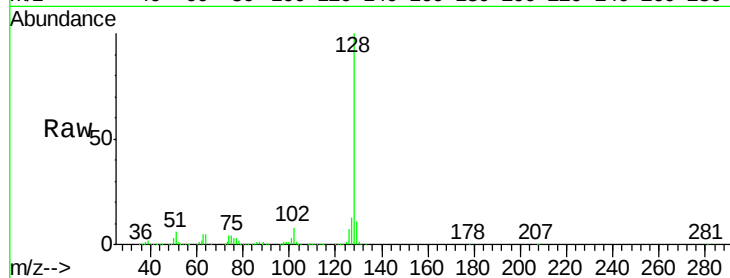
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	896836
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

sam
7/5/2018 2:29:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.721 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003163.D

Acq: 03 Jul 2018 21:40

Tgt Ion:	180	Resp:	321533
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.0	144.0
145	28.8	14.8	44.3

