

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051419\
 Data File : VX009567.D
 Acq On : 14 May 2019 17:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 12:25:56 PM

Quant Time: May 15 08:49:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	156987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	249785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	96435	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	
35) Dibromofluoromethane	5.50	113	72199	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
50) Toluene-d8	8.71	98	285387	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
62) 4-Bromofluorobenzene	11.13	95	106799	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	62854	43.448	ug/l 98
3) Chloromethane	1.32	50	95663	48.435	ug/l 100
4) Vinyl Chloride	1.41	62	95585	49.630	ug/l 97
5) Bromomethane	1.64	94	58478	50.588	ug/l 99
6) Chloroethane	1.71	64	61537	49.766	ug/l 100
7) Trichlorofluoromethane	1.92	101	119857	51.197	ug/l 98
8) Diethyl Ether	2.19	74	55497	50.046	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74743	50.841	ug/l 98
10) Methyl Iodide	2.51	142	92084	53.550	ug/l 100
11) Tert butyl alcohol	3.05	59	125443	252.876	ug/l 100
12) 1,1-Dichloroethene	2.37	96	74772	50.762	ug/l 94
13) Acrolein	2.29	56	106085	236.136	ug/l 100
14) Allyl chloride	2.73	41	179253	49.936	ug/l 100
15) Acrylonitrile	3.14	53	304759	251.261	ug/l 100
16) Acetone	2.45	43	283010	245.938	ug/l 99
17) Carbon Disulfide	2.57	76	204683	49.494	ug/l 100
18) Methyl Acetate	2.78	43	133002	48.600	ug/l 98
19) Methyl tert-butyl Ether	3.20	73	292630	51.159	ug/l 99
20) Methylene Chloride	2.85	84	90563	48.606	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	81851	51.238	ug/l 96
22) Diisopropyl ether	3.85	45	355371	51.478	ug/l 99
23) Vinyl Acetate	3.81	43	1586094	268.309	ug/l 99
24) 1,1-Dichloroethane	3.70	63	172598	50.682	ug/l 100
25) 2-Butanone	4.67	43	456989	255.556	ug/l 99
26) 2,2-Dichloropropane	4.58	77	127922	50.465	ug/l 100
27) cis-1,2-Dichloroethene	4.59	96	97176	50.964	ug/l 99
28) Bromochloromethane	5.01	49	64901	47.188	ug/l 99
29) Tetrahydrofuran	5.13	42	297868	258.856	ug/l 100
30) Chloroform	5.21	83	157702	51.201	ug/l 100
31) Cyclohexane	5.58	56	163433	51.582	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	131062	51.116	ug/l 99
36) 1,1-Dichloropropene	5.80	75	120511	51.916	ug/l 100
37) Ethyl Acetate	4.83	43	169138	52.296	ug/l 99
38) Carbon Tetrachloride	5.78	117	108832	51.603	ug/l 98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	148423	52.064	ug/l	99
40) Benzene	6.14	78	370649	51.594	ug/l	98
41) Methacrylonitrile	5.04	41	98127	50.969	ug/l	100
42) 1,2-Dichloroethane	6.19	62	134546	52.210	ug/l	99
43) Isopropyl Acetate	6.45	43	269552	52.104	ug/l	99
44) Trichloroethene	7.21	130	88378	50.887	ug/l	99
45) 1,2-Dichloropropane	7.51	63	105252	51.741	ug/l	99
46) Dibromomethane	7.66	93	60326	51.068	ug/l	98
47) Bromodichloromethane	7.90	83	123151	52.263	ug/l	98
48) Methyl methacrylate	7.77	41	136522	53.191	ug/l	99
49) 1,4-Dioxane	7.74	88	52012	999.257	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	894123	264.424	ug/l	100
52) Toluene	8.78	92	227734	52.149	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	143387	53.898	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	157748	53.572	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	91245	51.215	ug/l	95
56) Ethyl methacrylate	9.18	69	168802	53.078	ug/l	100
57) 1,3-Dichloropropane	9.37	76	162410	51.803	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	392668	232.746	ug/l	100
59) 2-Hexanone	9.49	43	700594	263.807	ug/l	99
60) Dibromochloromethane	9.58	129	93520	53.745	ug/l	99
61) 1,2-Dibromoethane	9.67	107	94283	52.426	ug/l	99
64) Tetrachloroethene	9.34	164	80142	51.277	ug/l	99
65) Chlorobenzene	10.13	112	235851	51.745	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	87071	52.692	ug/l	99
67) Ethyl Benzene	10.25	91	437380	52.141	ug/l	99
68) m/p-Xylenes	10.36	106	321983	105.038	ug/l	98
69) o-Xylene	10.69	106	157304	52.010	ug/l	99
70) Styrene	10.71	104	277865	52.859	ug/l	100
71) Bromoform	10.85	173	70312	52.359	ug/l	98
73) Isopropylbenzene	11.02	105	420378	50.020	ug/l	99
74) N-amyl acetate	10.90	43	249493	50.919	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	155846	49.744	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	135765m	50.642	ug/l	
77) Bromobenzene	11.26	156	105513	50.582	ug/l	98
78) n-propylbenzene	11.36	91	489877	51.039	ug/l	100
79) 2-Chlorotoluene	11.42	91	290583	49.072	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	358609	50.677	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	54148	51.680	ug/l	99
82) 4-Chlorotoluene	11.51	91	337387	50.434	ug/l	99
83) tert-Butylbenzene	11.77	119	348590	50.639	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	361363	50.875	ug/l	100
85) sec-Butylbenzene	11.94	105	413816	50.704	ug/l	99
86) p-Isopropyltoluene	12.06	119	379029	51.660	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	188382	50.659	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	188415	50.257	ug/l	100
89) n-Butylbenzene	12.38	91	346326	52.225	ug/l	100
90) Hexachloroethane	12.60	117	61844	49.476	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	190320	50.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34842	49.575	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	134127	51.785	ug/l	98
94) Hexachlorobutadiene	13.78	225	68102	51.489	ug/l	98
95) Naphthalene	13.83	128	424965	50.431	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	133759	50.947	ug/l	100

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

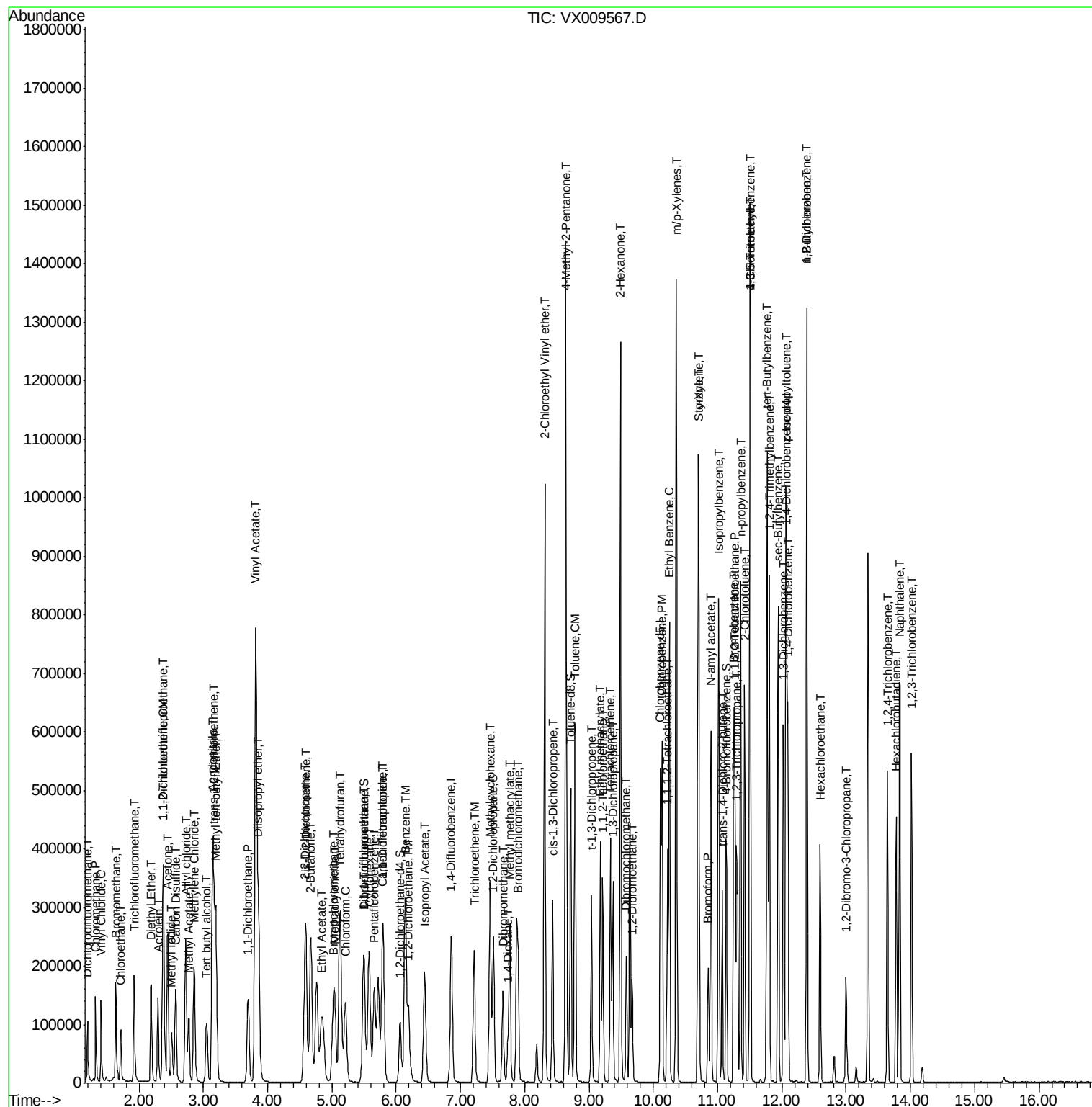
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051419\
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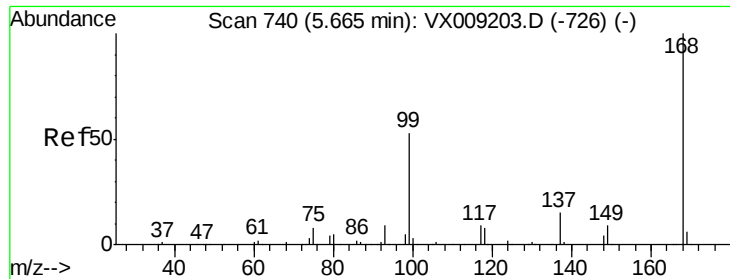
Instrument :
 MSVOA_X
 ClientSampleID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 156987

Ion Ratio Lower Upper

168 100

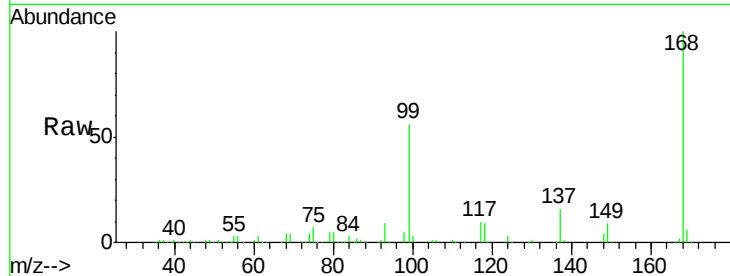
99 55.8 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

30000

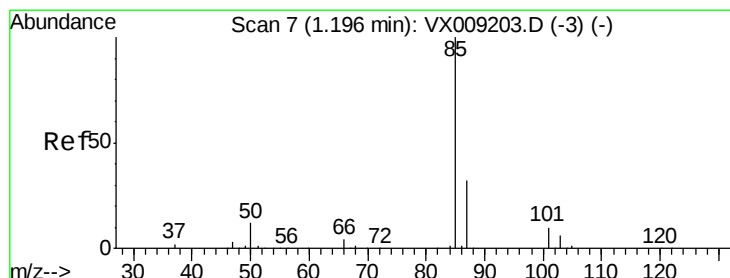
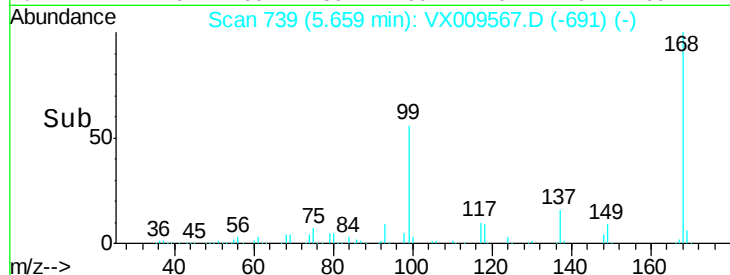
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 43.448 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009567.D

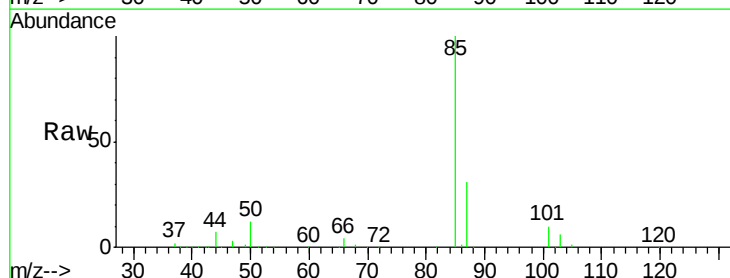
Acq: 14 May 2019 17:31

Tgt Ion: 85 Resp: 62854

Ion Ratio Lower Upper

85 100

87 30.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

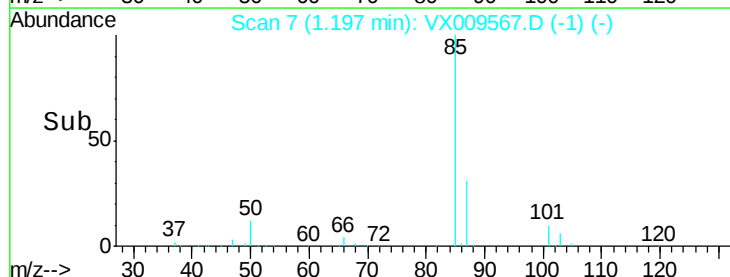
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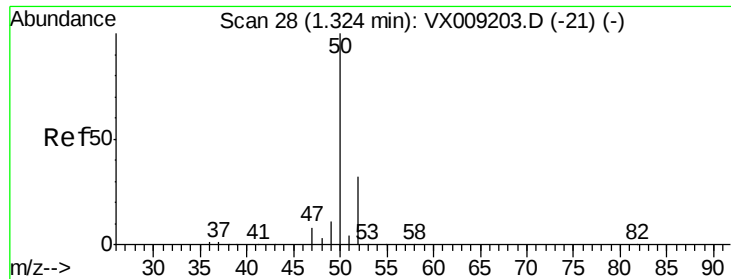
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 48.435 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 95663

Ion Ratio Lower Upper

50 100

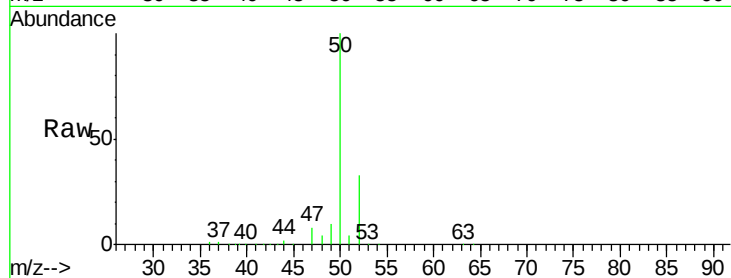
52 32.5 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

60000

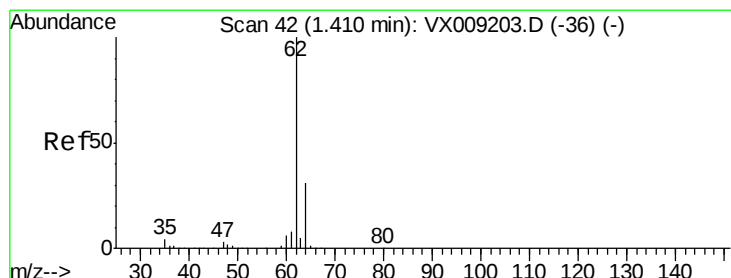
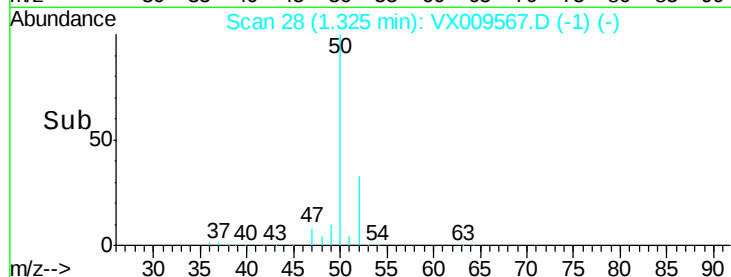
40000

20000

0

1.25 1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 49.630 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009567.D

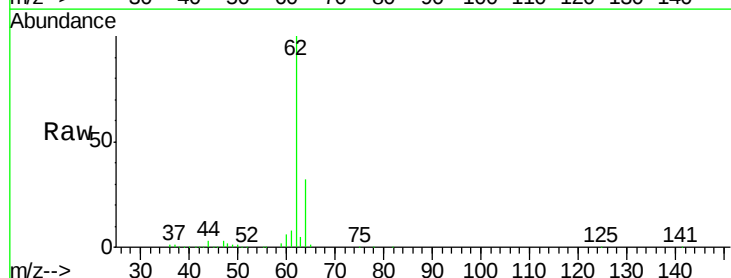
Acq: 14 May 2019 17:31

Tgt Ion: 62 Resp: 95585

Ion Ratio Lower Upper

62 100

64 32.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

100000

80000

60000

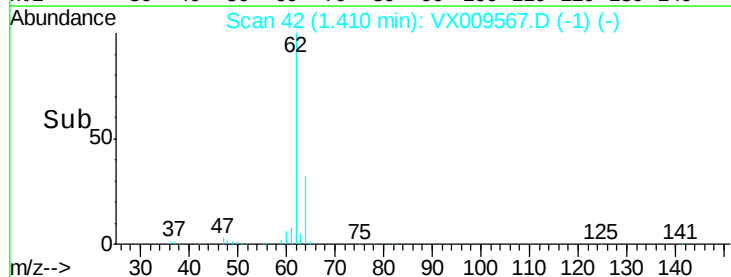
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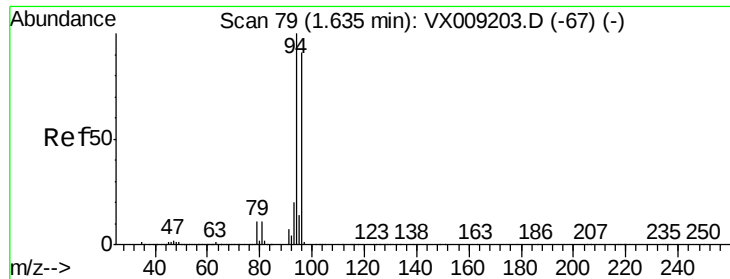
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0

1.30 1.40 1.50

Time-->





#5

Bromomethane

Concen: 50.588 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 58478

Ion Ratio Lower Upper

94 100

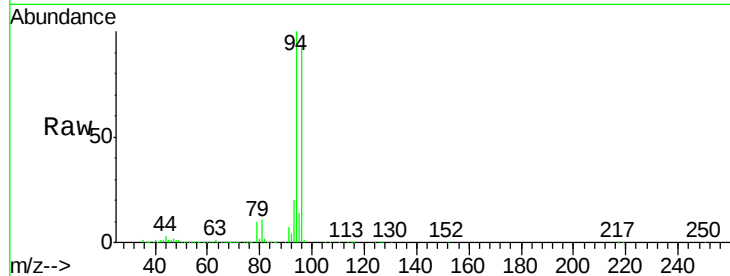
96 92.6 73.0 109.6

Manual Integrations

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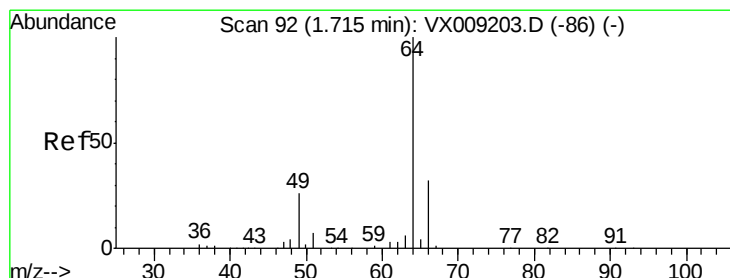
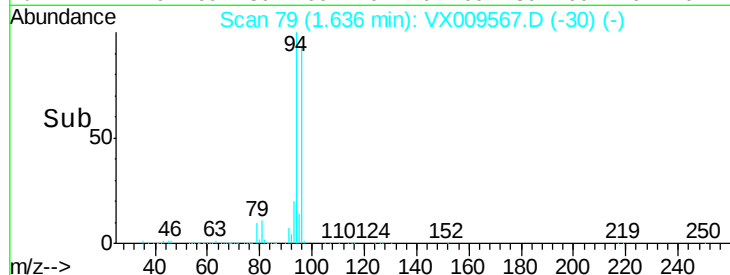
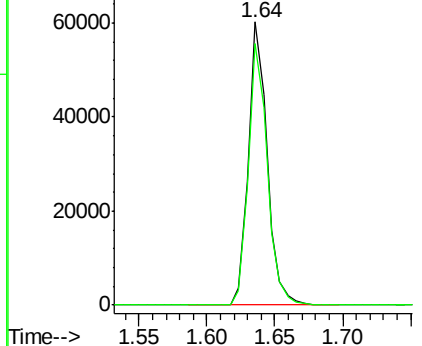
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.766 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009567.D

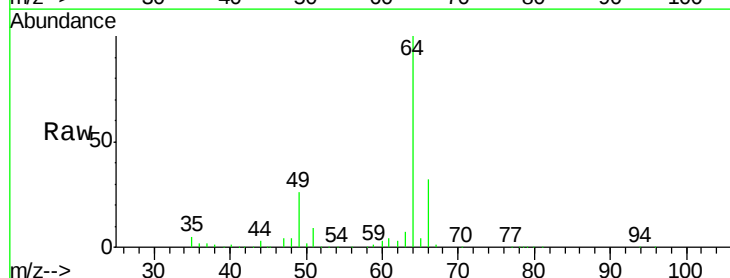
Acq: 14 May 2019 17:31

Tgt Ion: 64 Resp: 61537

Ion Ratio Lower Upper

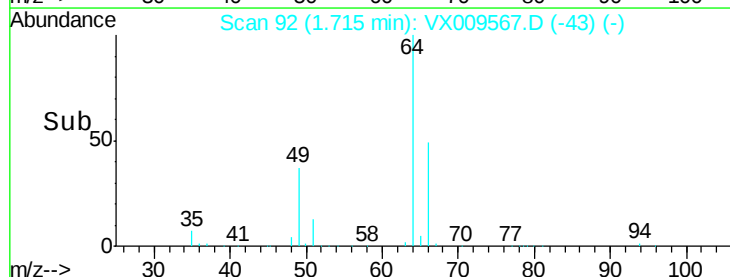
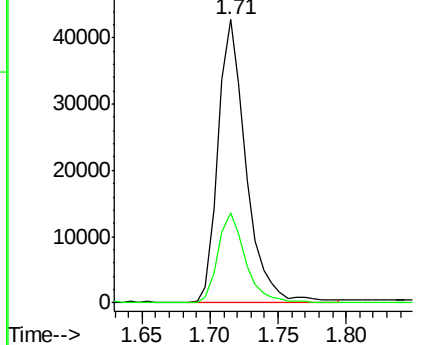
64 100

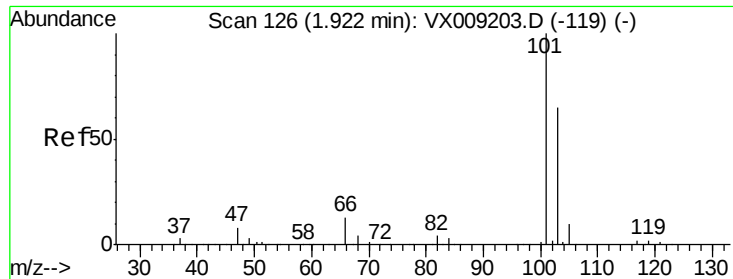
66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

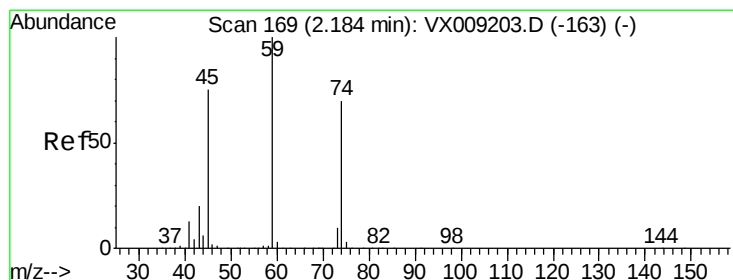
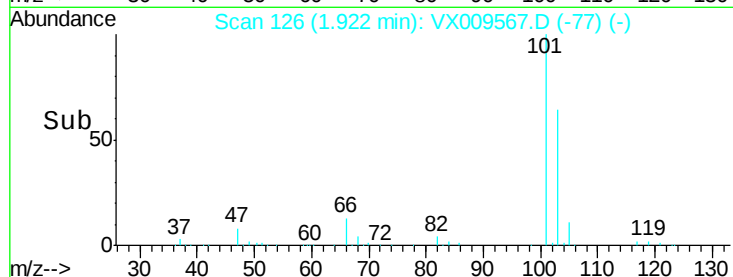
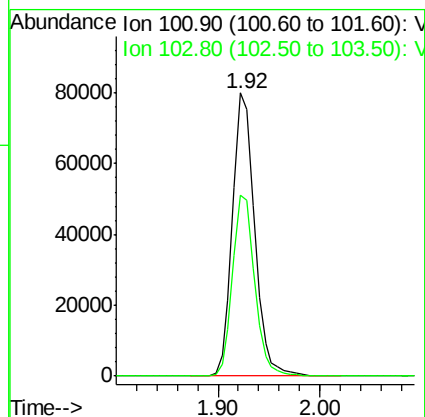
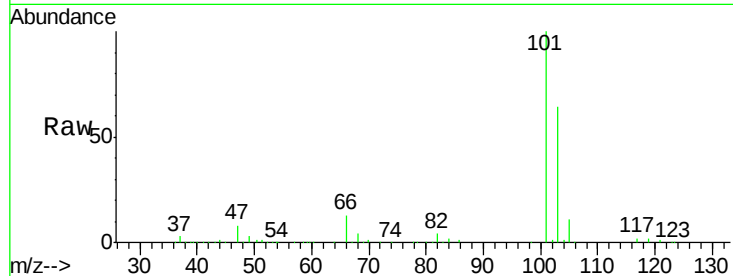
Trichlorofluoromethane
Concen: 51.197 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 119857
Ion Ratio Lower Upper
101 100
103 63.9 52.4 78.6

Manual Integrations
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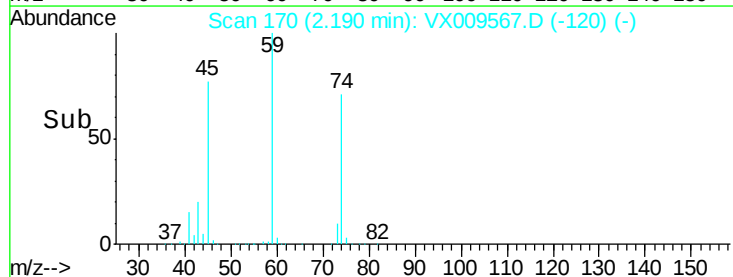
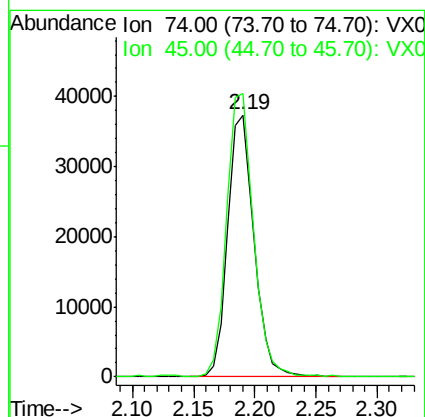
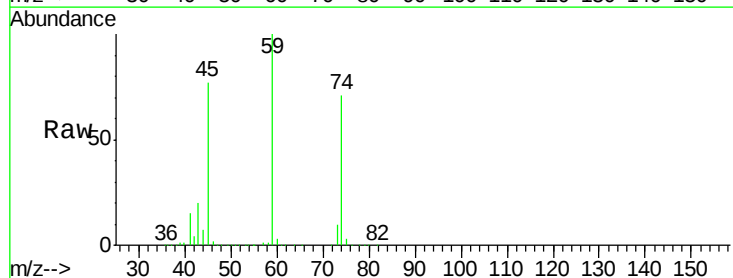
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5/15/2019 12:25:56 PM



#8

Diethyl Ether
Concen: 50.046 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion: 74 Resp: 55497
Ion Ratio Lower Upper
74 100
45 109.7 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.841 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 74743

Ion Ratio Lower Upper

101 100

85 43.0 35.7 53.5

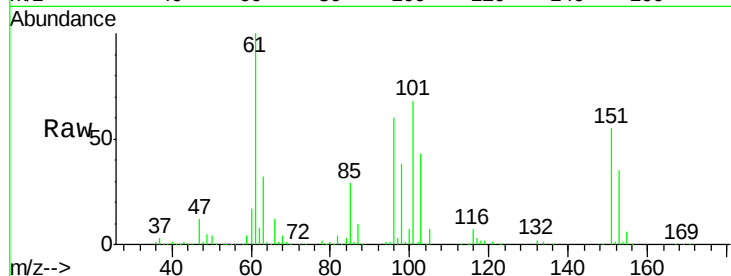
151 79.1 62.2 93.2

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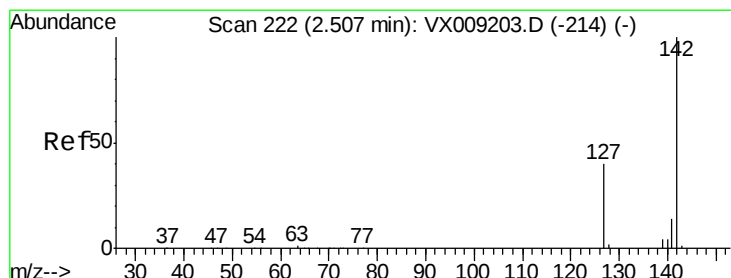
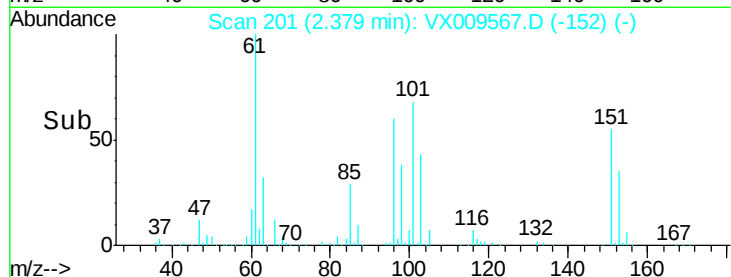
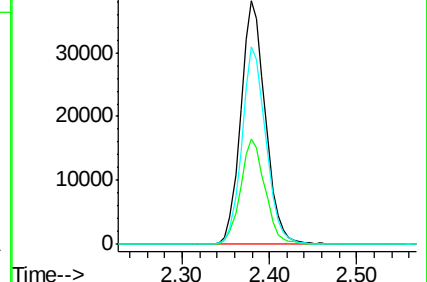
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.550 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

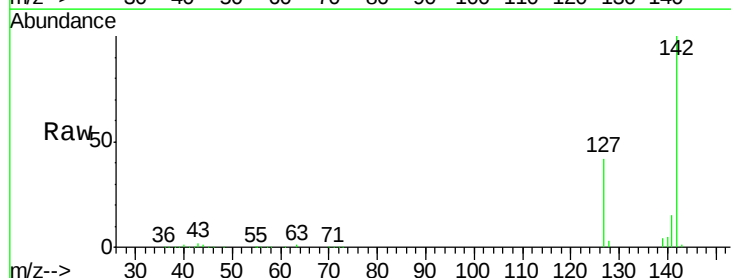
Tgt Ion:142 Resp: 92084

Ion Ratio Lower Upper

142 100

127 40.8 32.7 49.1

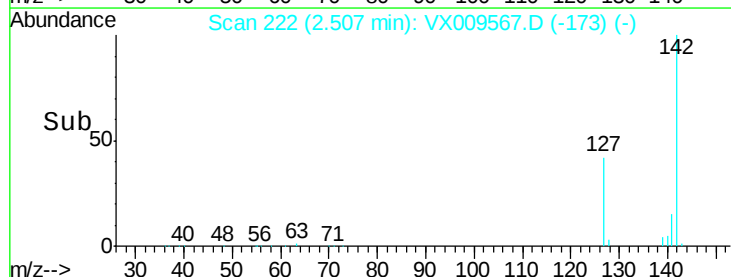
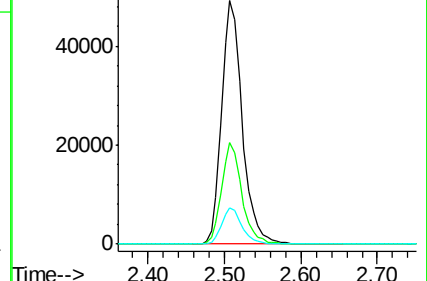
141 14.6 11.5 17.3

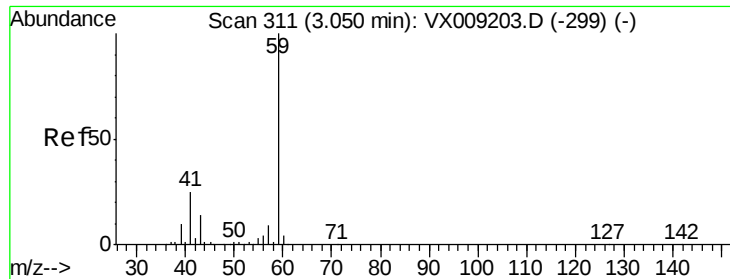


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





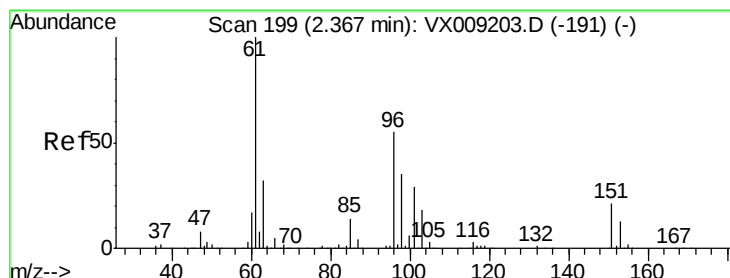
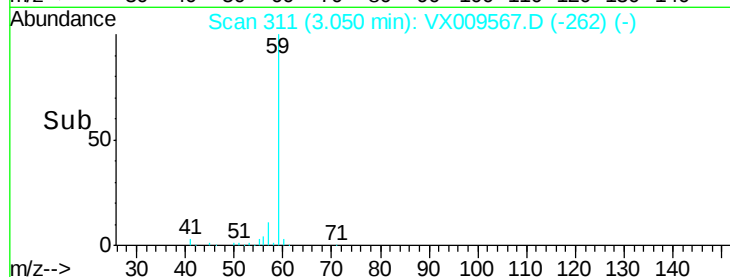
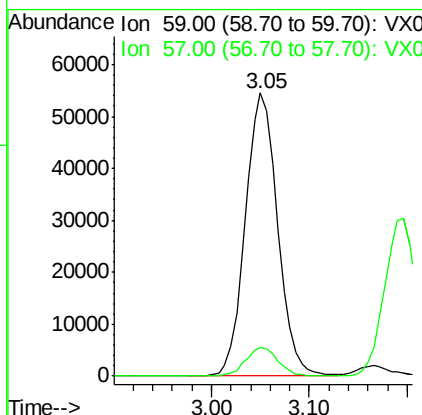
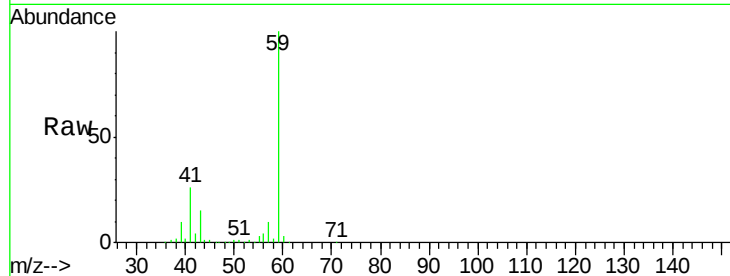
#11
Tert butyl alcohol
Concen: 252.876 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 125443
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

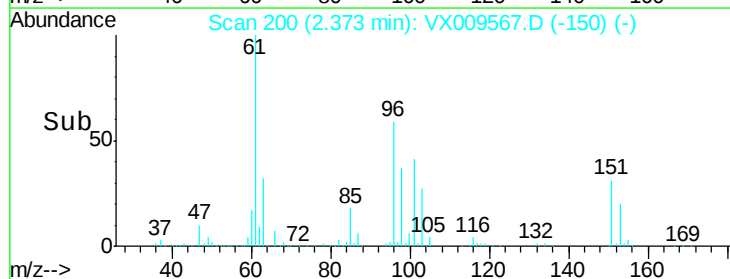
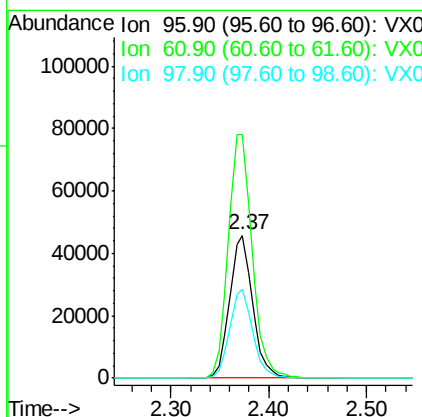
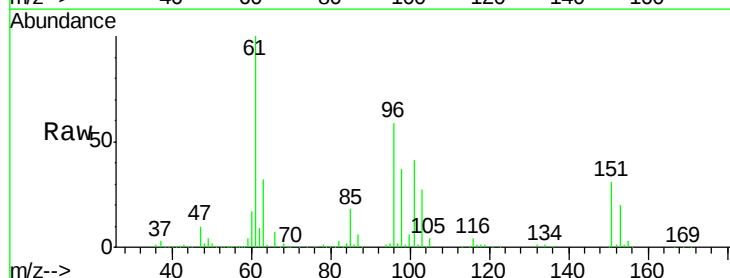
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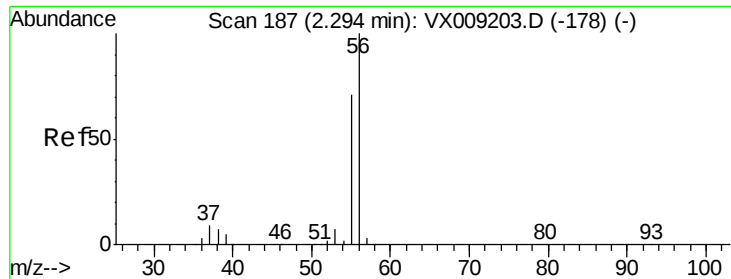
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#12
1,1-Dichloroethene
Concen: 50.762 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion: 96 Resp: 74772
Ion Ratio Lower Upper
96 100
61 170.0 144.3 216.5
98 62.1 50.3 75.5





#13

Acrolein

Concen: 236.136 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 106085

Ion Ratio Lower Upper

56 100

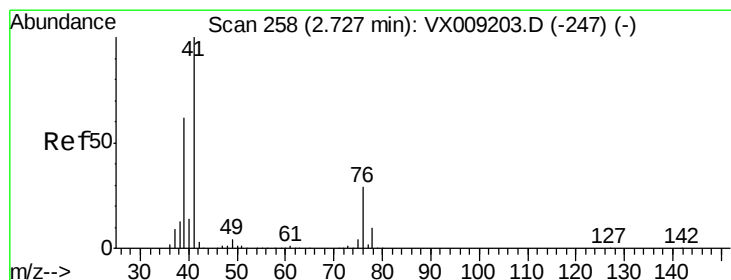
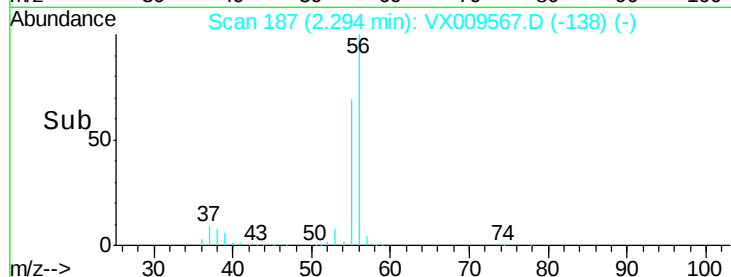
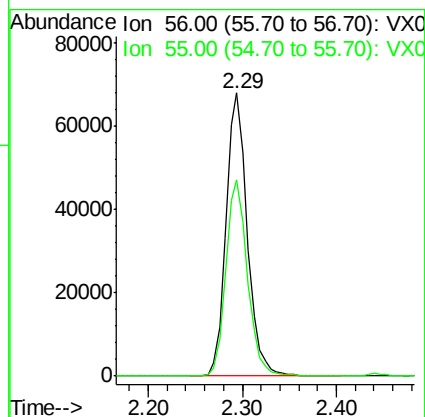
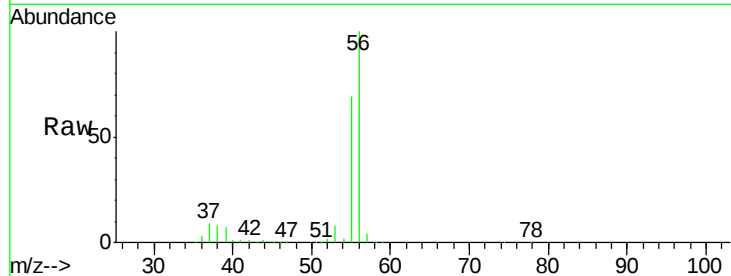
55 70.5 56.6 85.0

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#14

Allyl chloride

Concen: 49.936 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

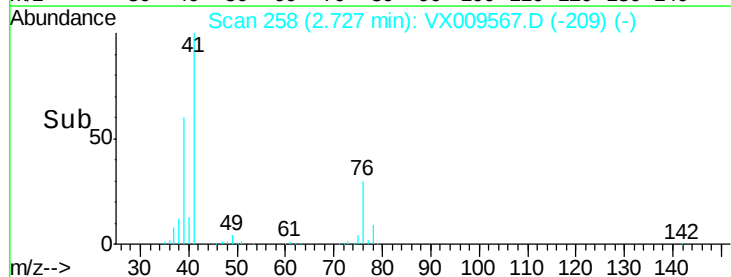
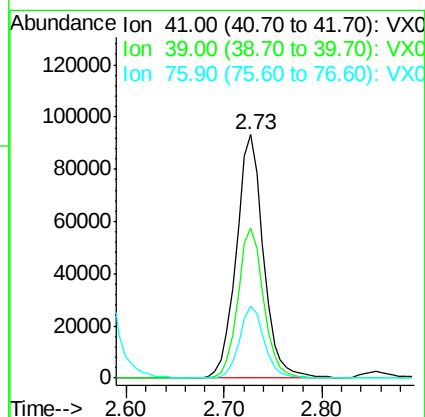
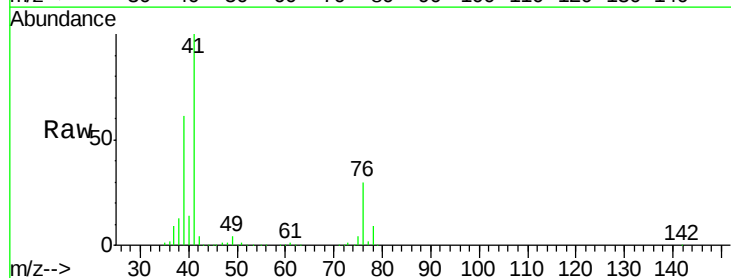
Tgt Ion: 41 Resp: 179253

Ion Ratio Lower Upper

41 100

39 58.4 46.7 70.1

76 27.3 21.8 32.8





#15

Acrylonitrile

Concen: 251.261 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

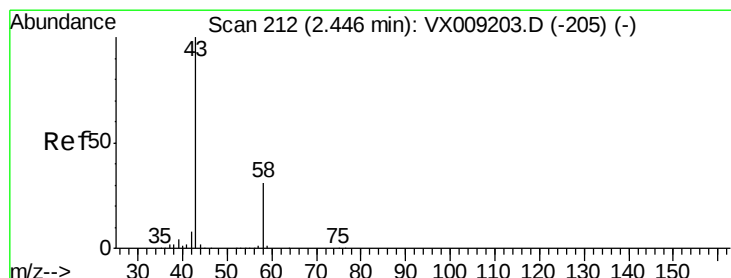
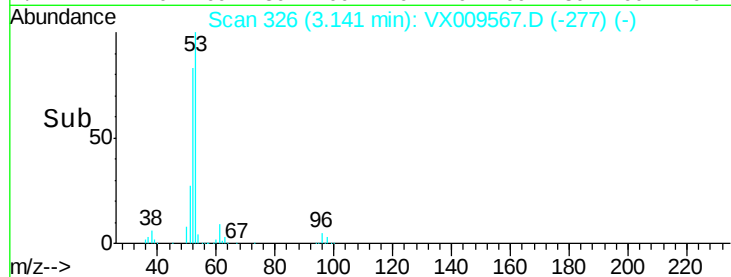
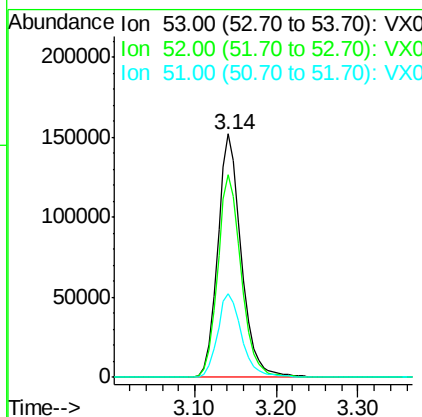
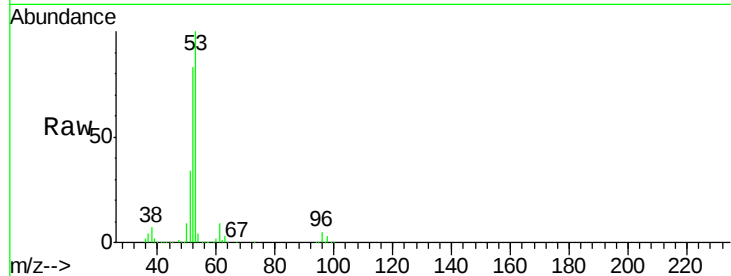
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	304759
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.9	100.3
51	35.4	28.2	42.2

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#16

Acetone

Concen: 245.938 ug/l

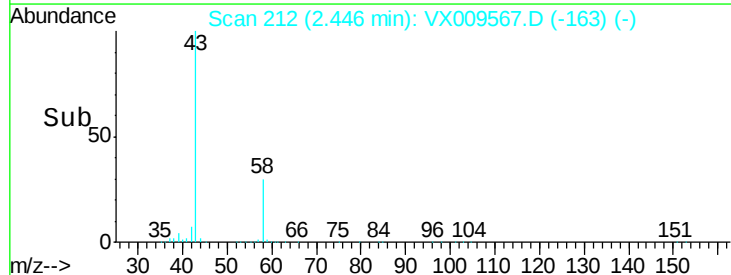
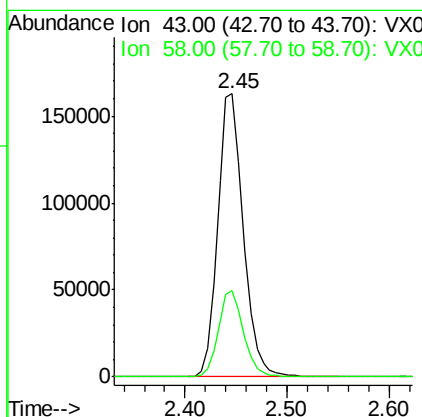
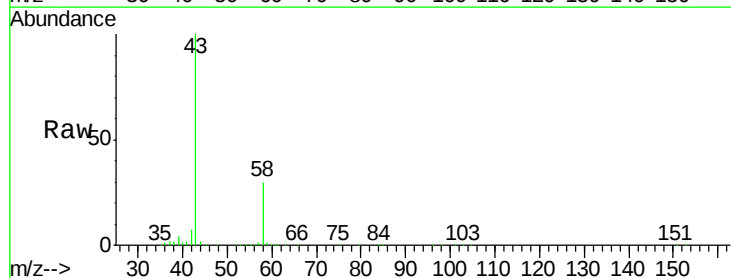
RT: 2.45 min Scan# 212

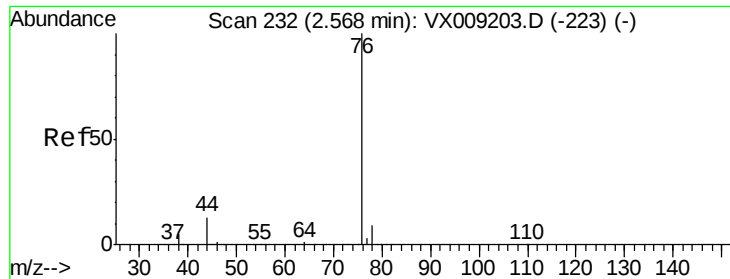
Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Tgt Ion:	43	Resp:	283010
Ion Ratio		Lower	Upper
43	100		
58	30.3	24.9	37.3





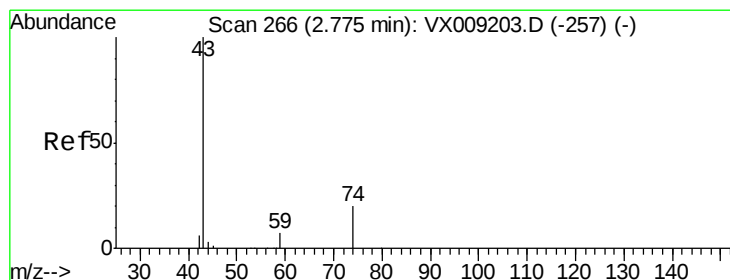
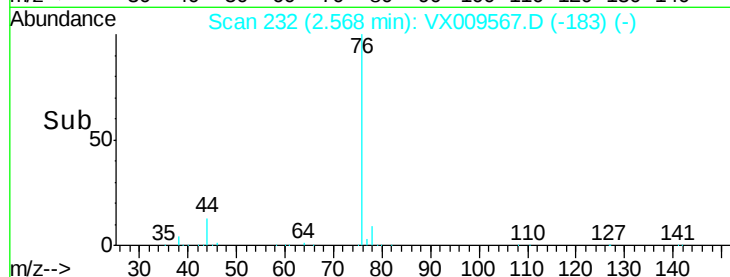
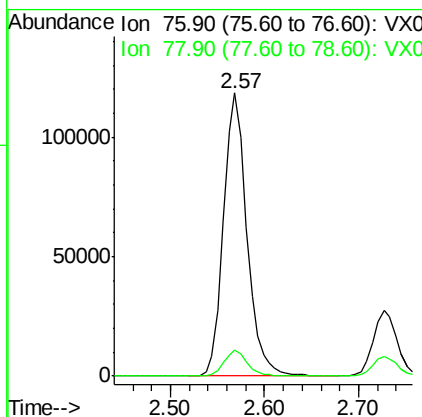
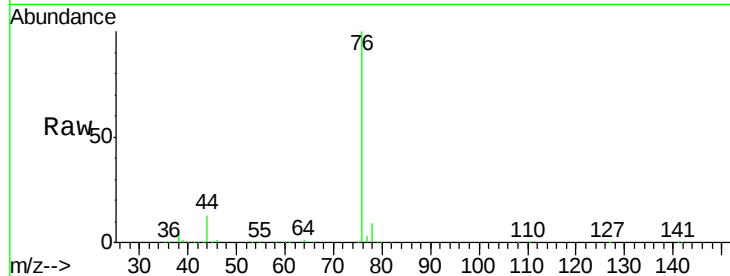
#17
Carbon Disulfide
Concen: 49.494 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

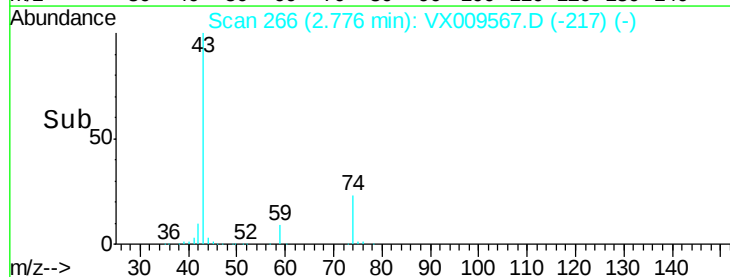
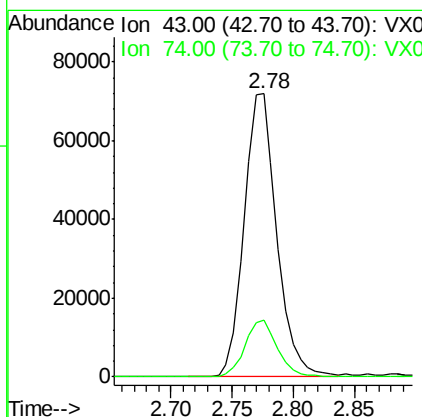
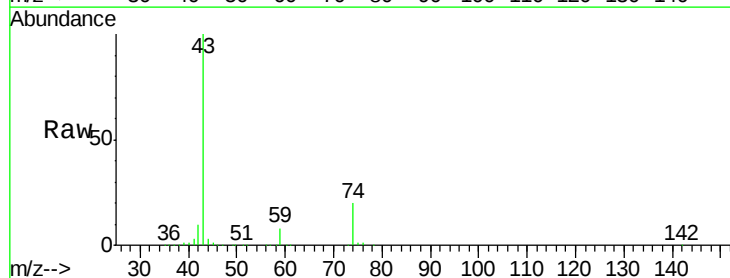
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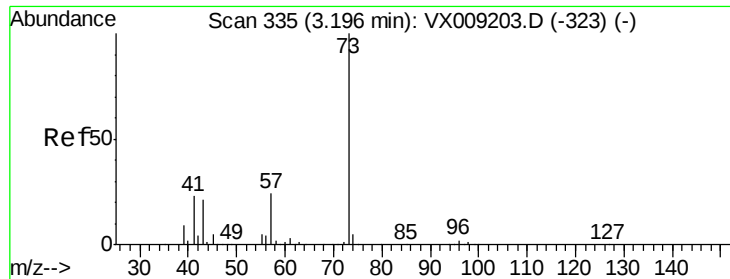
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#18
Methyl Acetate
Concen: 48.600 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	16.2	24.4





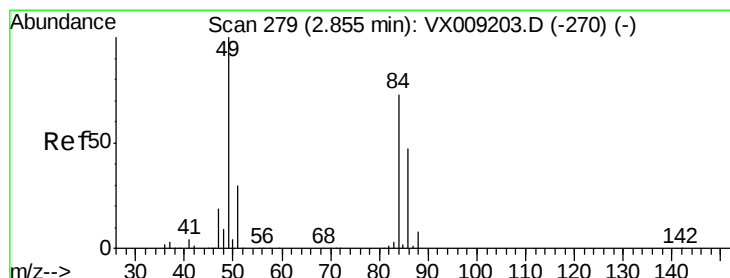
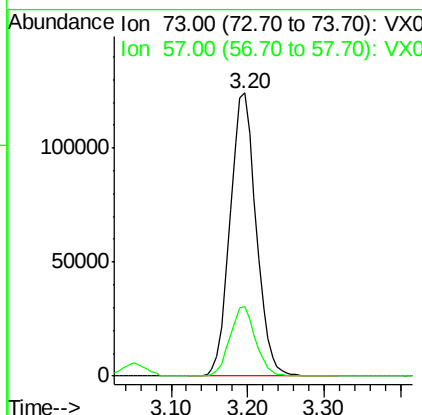
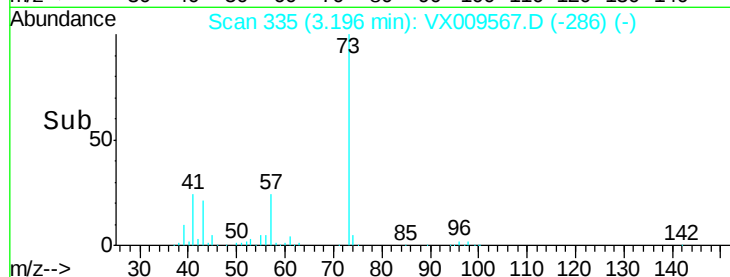
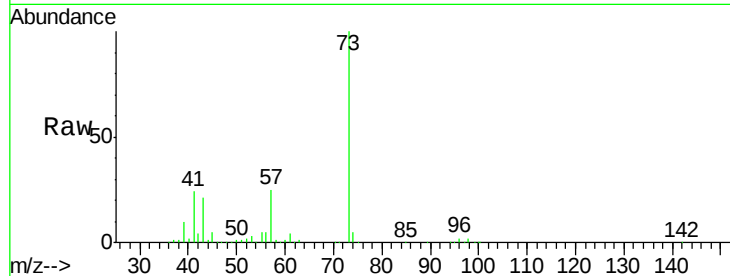
#19
Methvl tert-butvl Ether
Concen: 51.159 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.3	28.9

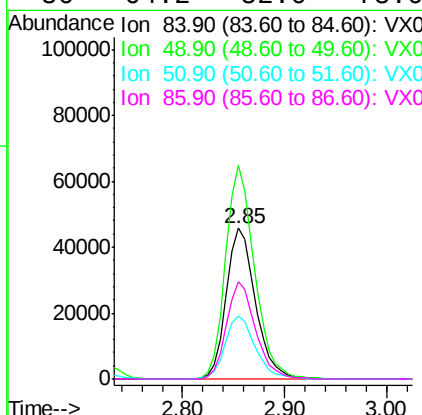
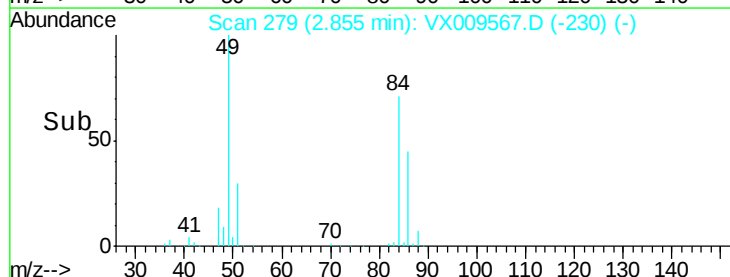
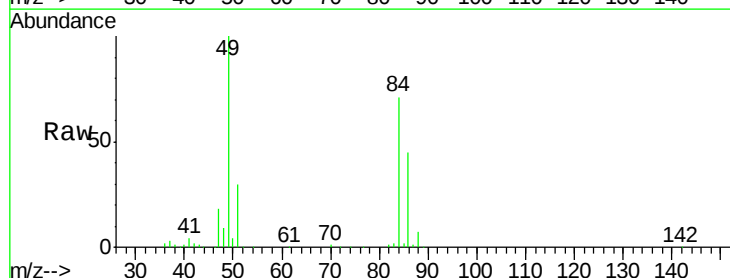
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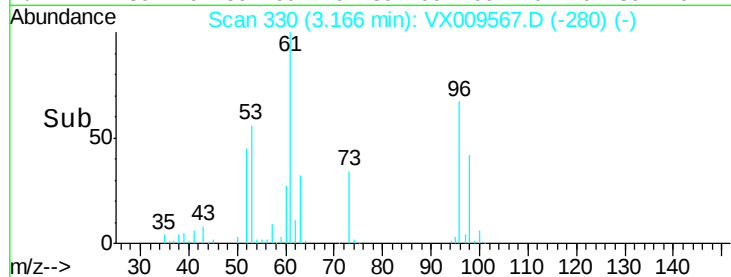
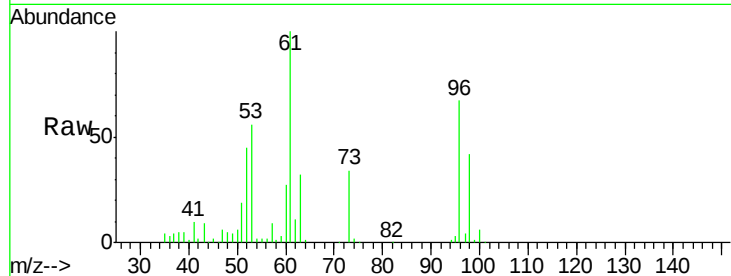
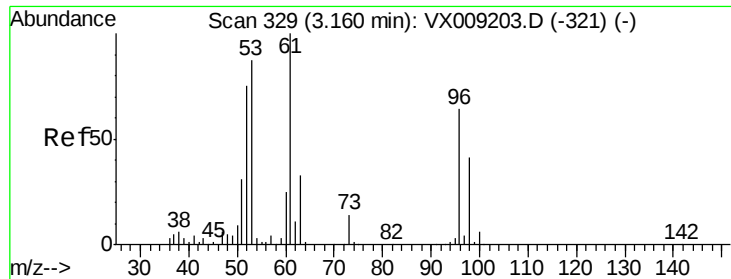
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#20
Methylene Chloride
Concen: 48.606 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.6	109.9	164.9
51	41.9	32.7	49.1
86	64.2	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 51.238 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009567.D

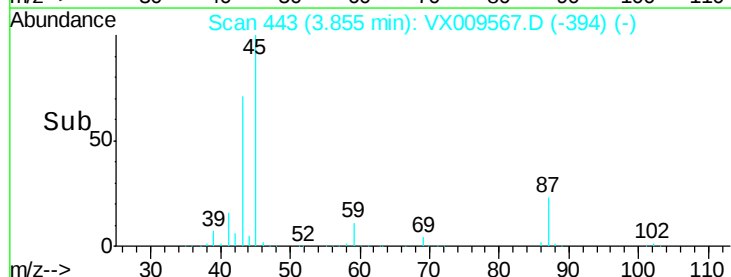
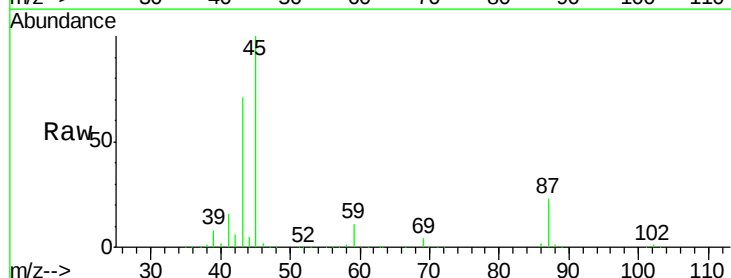
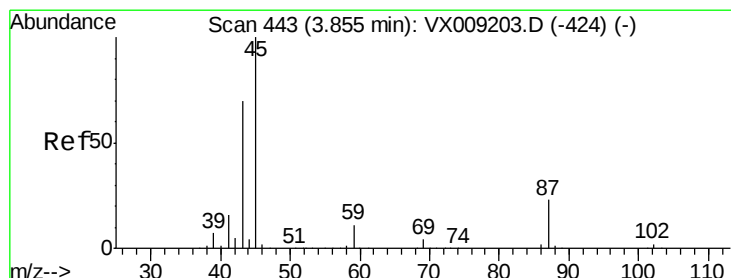
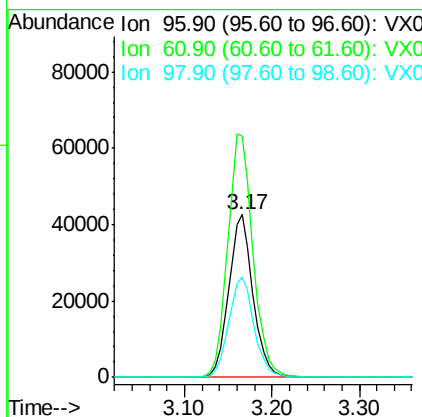
Acq: 14 May 2019 17:31

Tot Ion:	96	Resp:	81851
Ion	Ratio	Lower	Upper
96	100		
61	148.3	124.5	186.7
98	61.9	50.4	75.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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#22

Diisopropyl ether

Concen: 51.478 ug/l

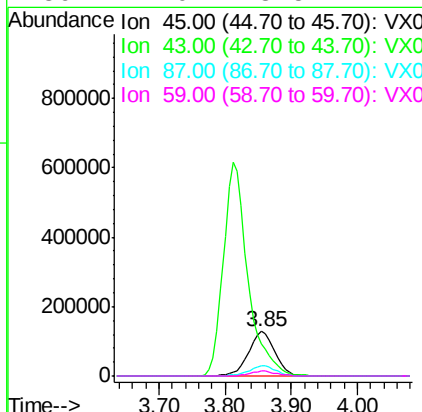
RT: 3.85 min Scan# 443

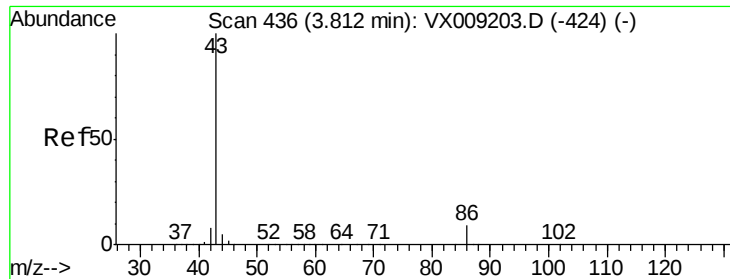
Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Tgt Ion:	45	Resp:	355371
Ion	Ratio	Lower	Upper
45	100		
43	71.1	56.1	84.1
87	23.0	18.1	27.1
59	11.0	8.5	12.7





#23

Vinyl Acetate

Concen: 268.309 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1586094

Ion Ratio Lower Upper

43 100

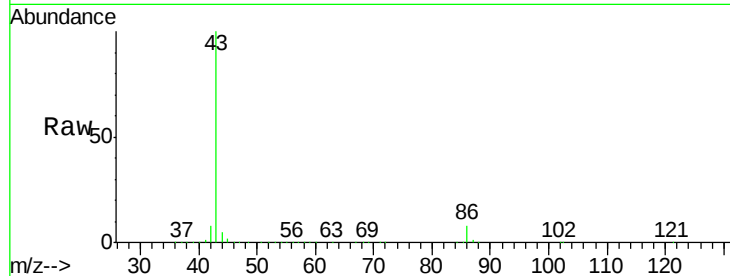
86 8.4 6.9 10.3

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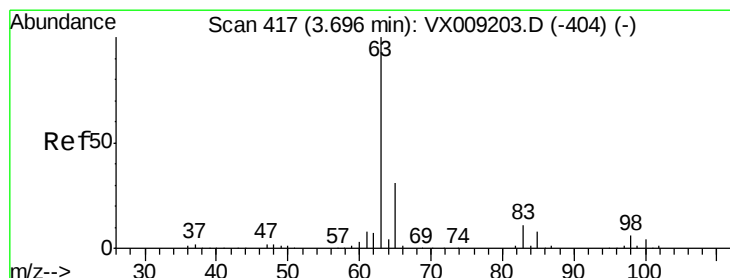
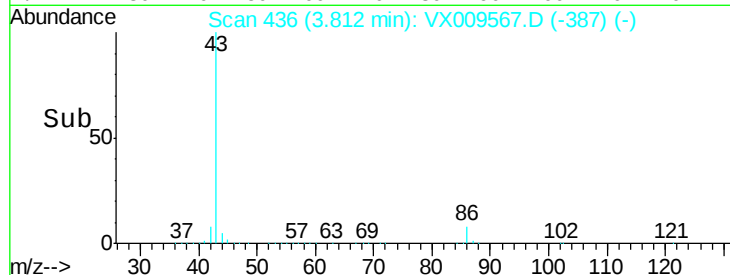
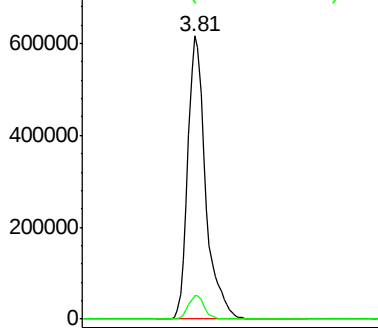
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.682 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

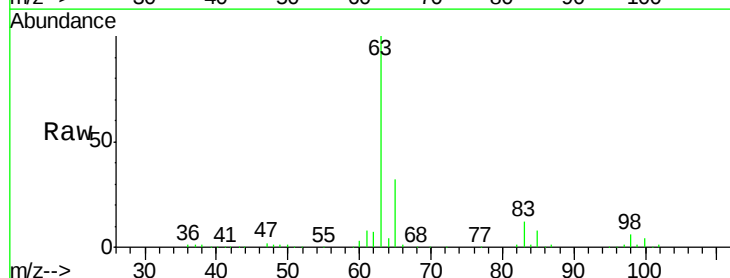
Tgt Ion: 63 Resp: 172598

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

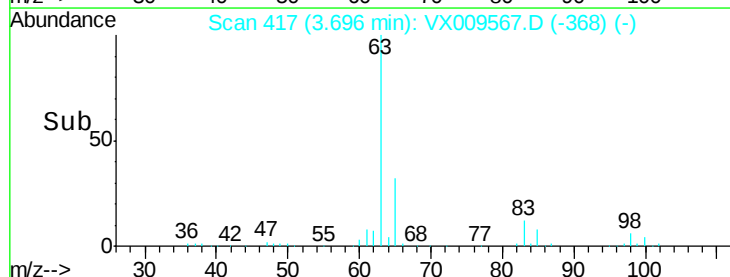
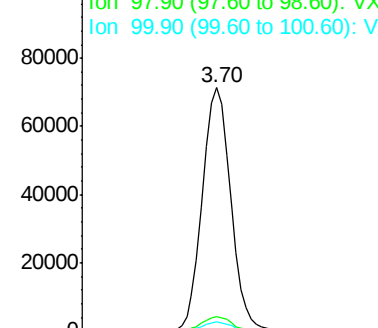
100 4.0 2.0 6.0

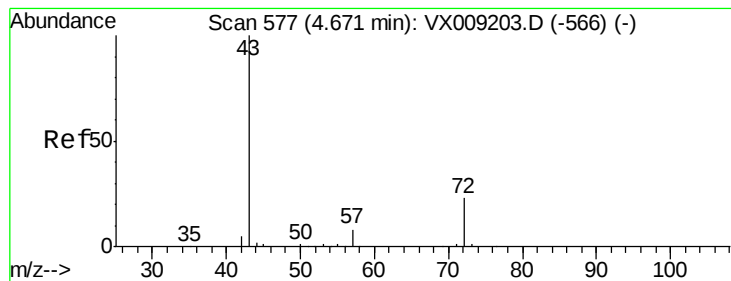


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 255.556 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 456989

Ion Ratio Lower Upper

43 100

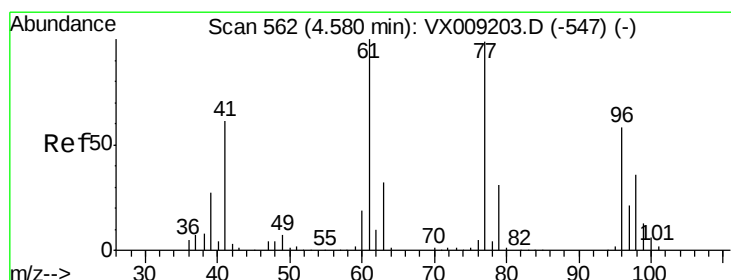
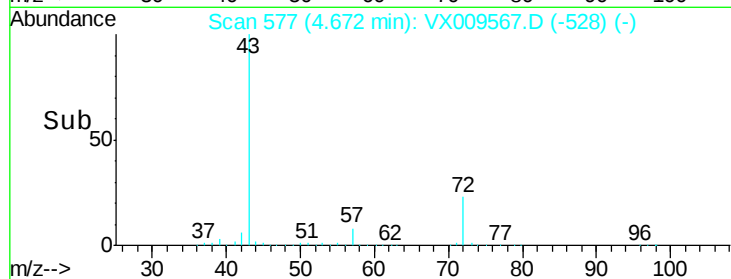
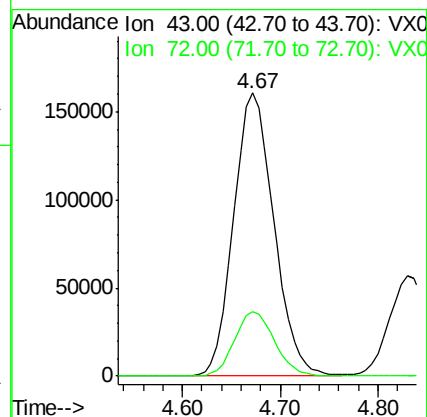
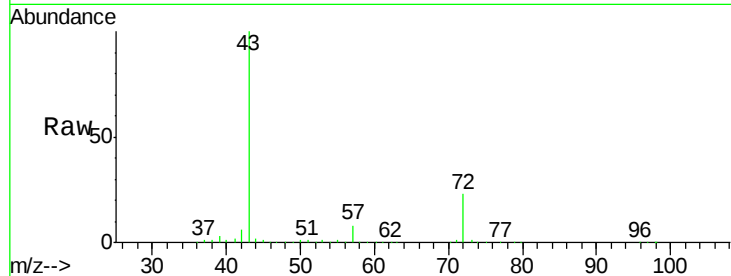
72 23.0 18.2 27.2

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#26

2,2-Dichloropropane

Concen: 50.465 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009567.D

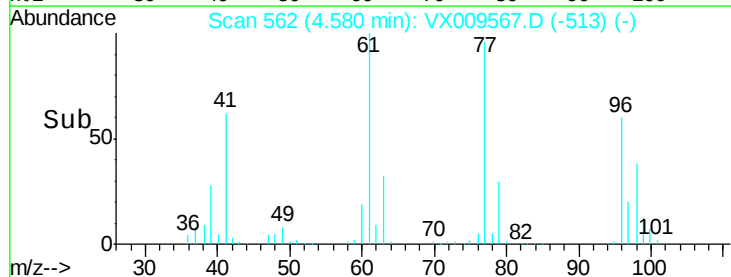
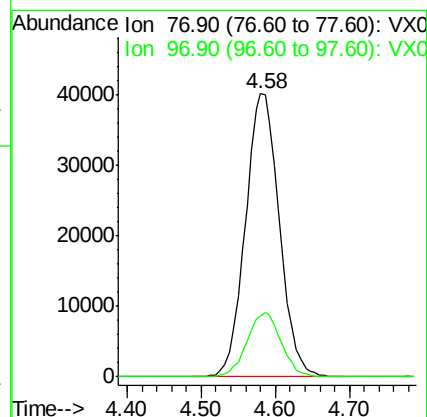
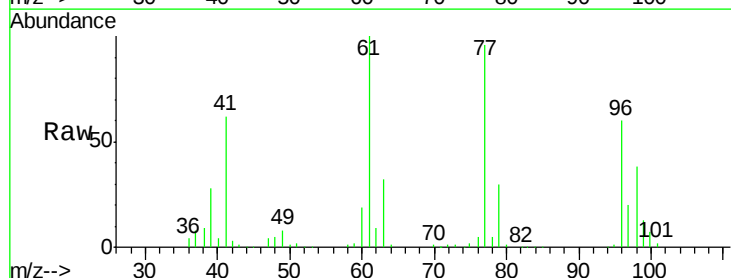
Acq: 14 May 2019 17:31

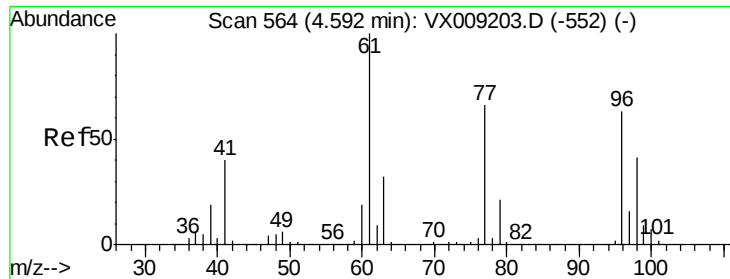
Tgt Ion: 77 Resp: 127922

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4





#27

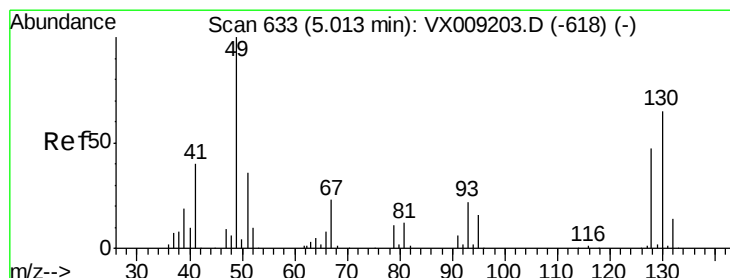
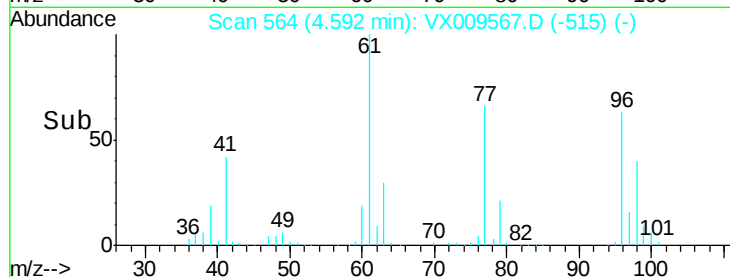
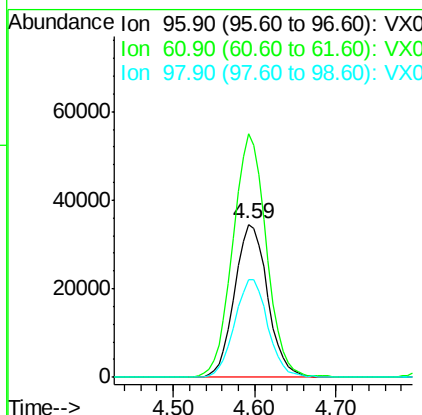
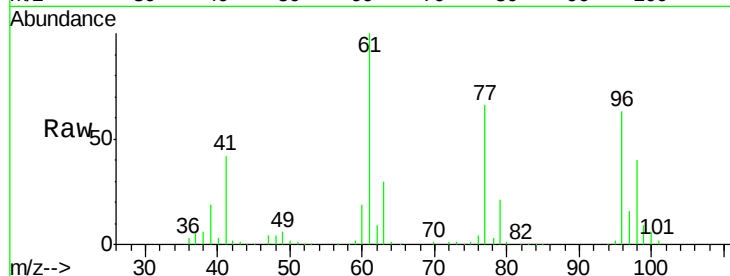
cis-1,2-Dichloroethene
Concen: 50.964 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.5	0.0	324.0	
98	64.5	0.0	130.4	

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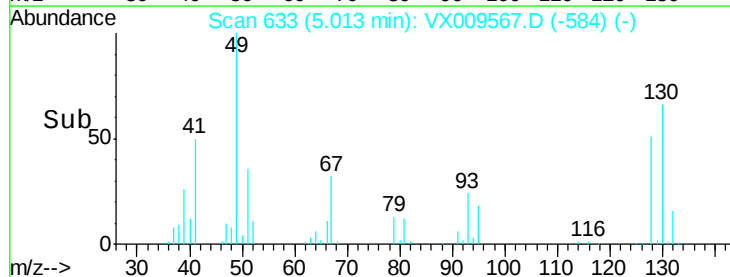
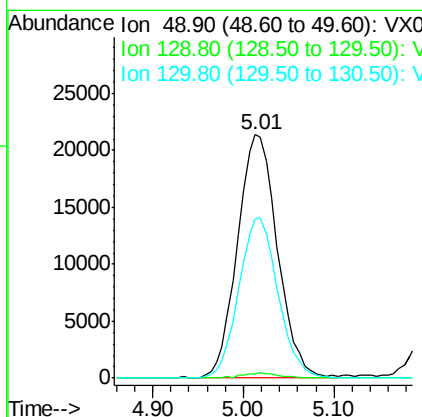
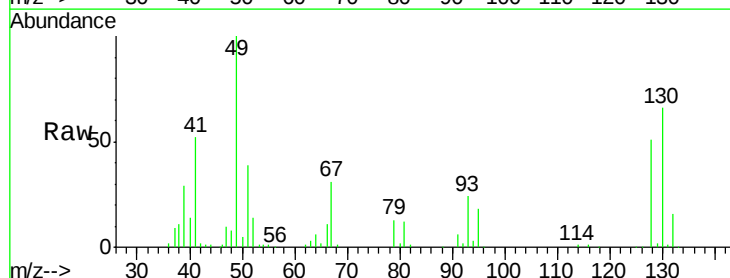
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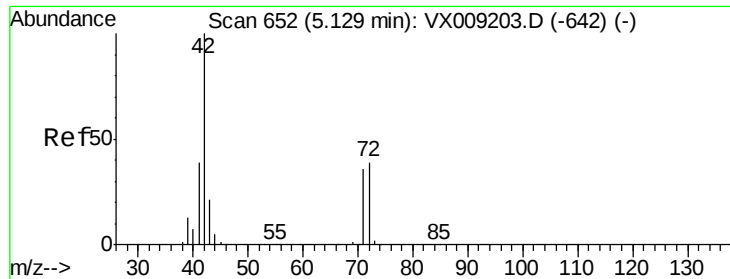


#28

Bromochloromethane
Concen: 47.188 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.8	
130	65.1	51.2	76.8	





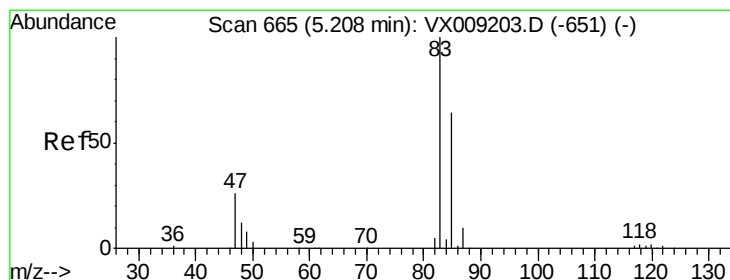
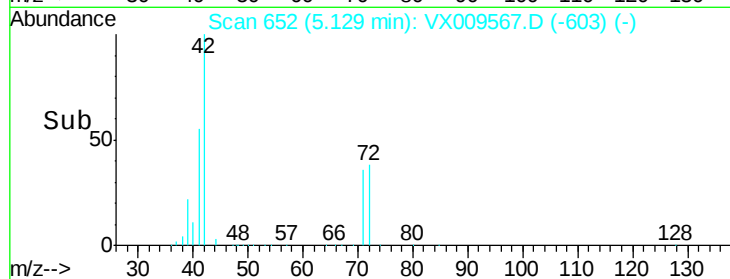
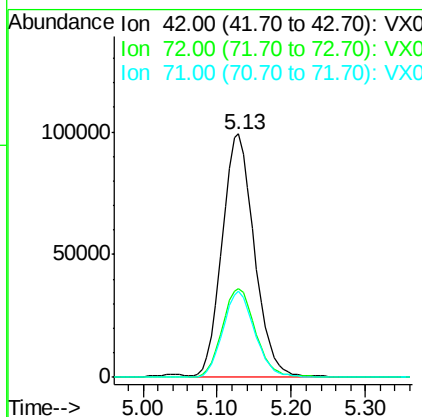
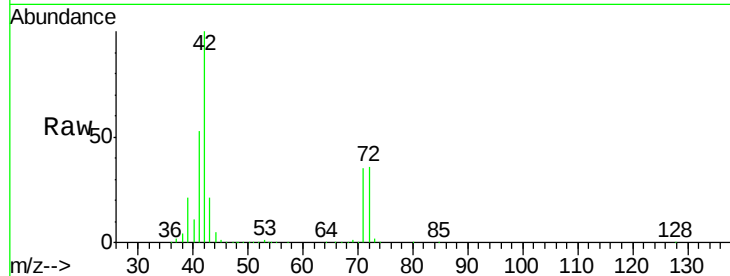
#29
Tetrahydrofuran
Concen: 258.856 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.4	45.6
71	35.3	28.6	43.0

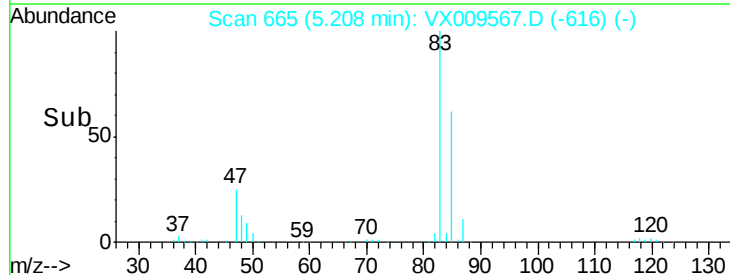
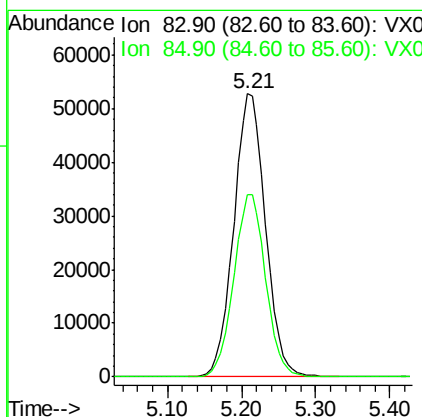
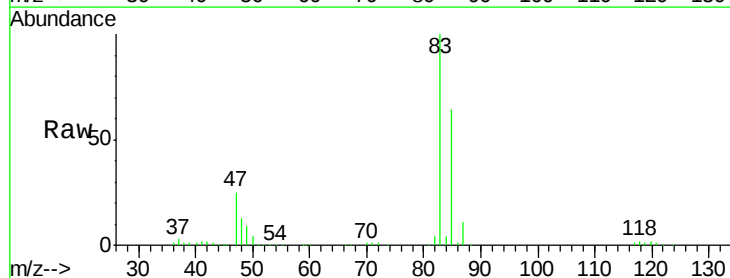
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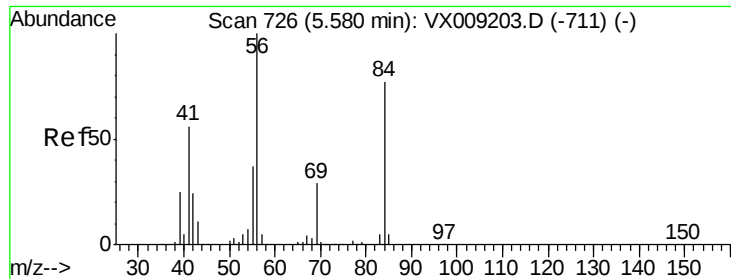
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#30
Chloroform
Concen: 51.201 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.5	77.3





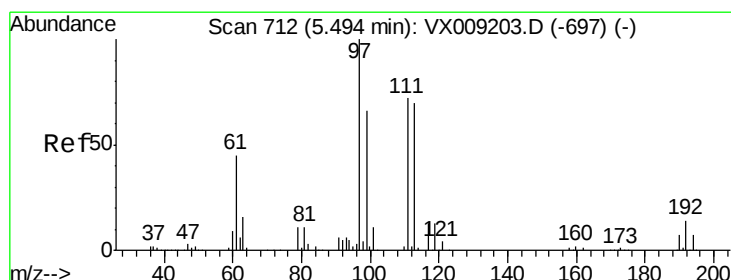
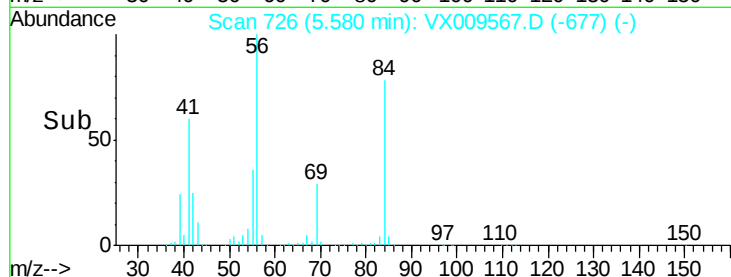
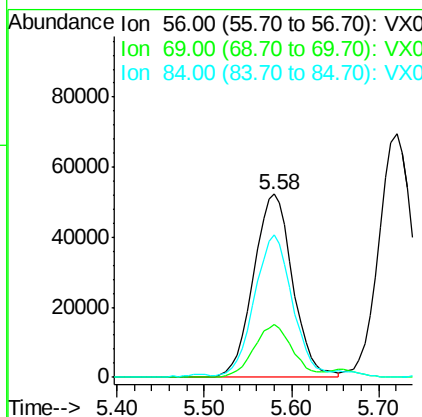
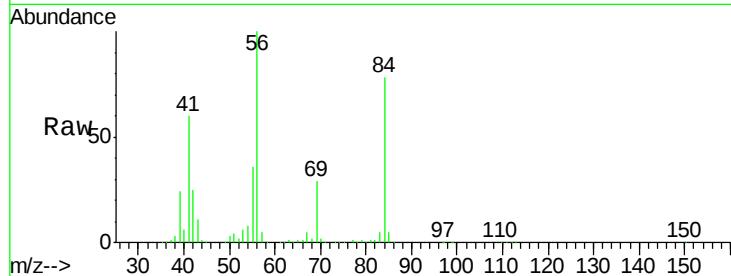
#31
Cyclohexane
Concen: 51.582 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.4	35.0
84	76.2	61.9	92.9

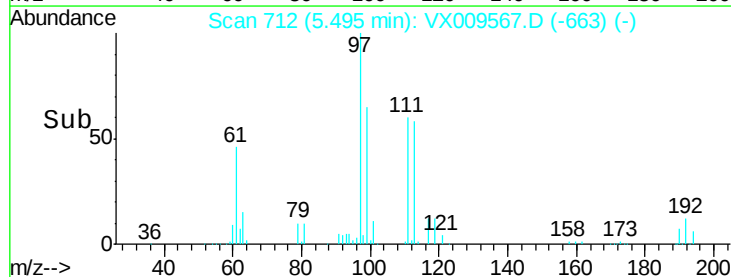
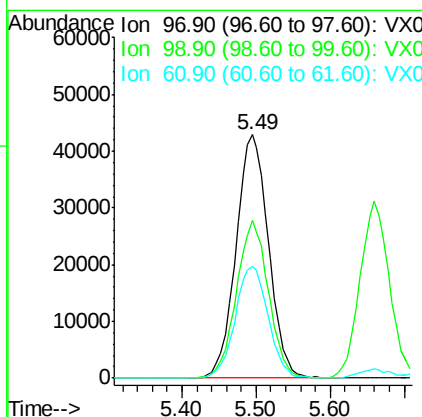
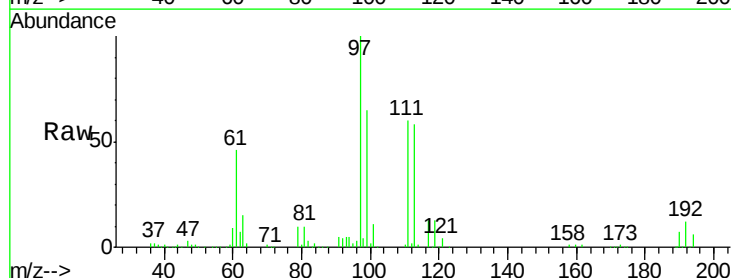
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#32
1,1,1-Trichloroethane
Concen: 51.116 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.8
61	47.0	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 44.999 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009567.D

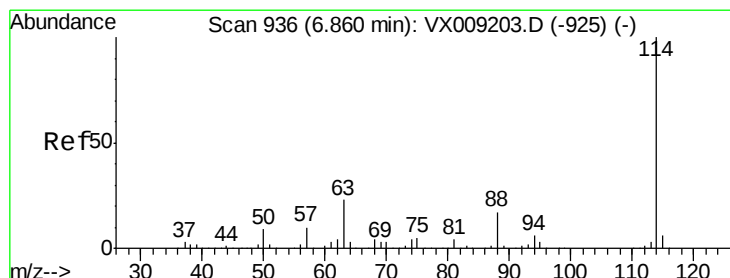
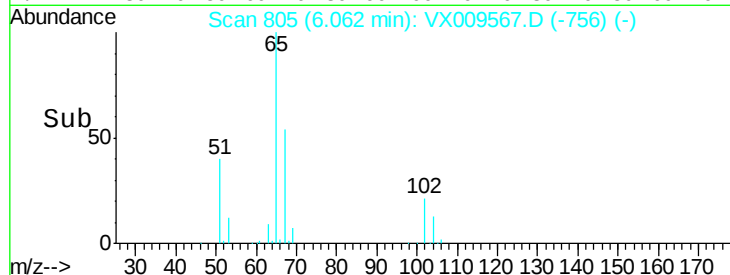
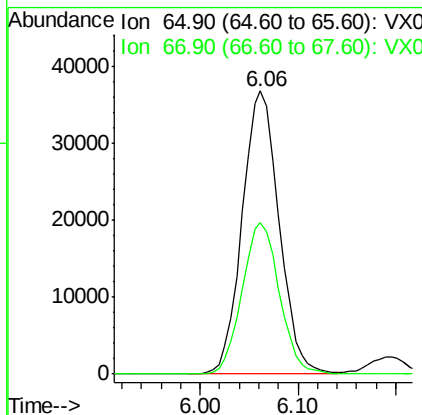
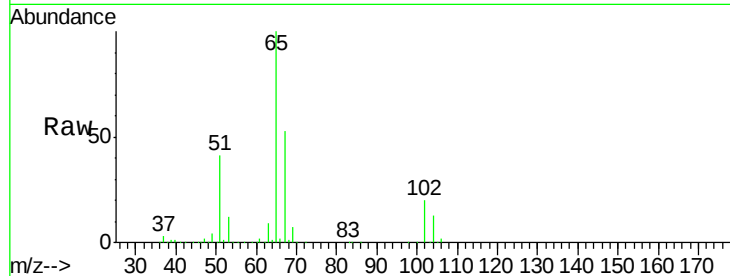
Acq: 14 May 2019 17:31

Tot Ion	65	Resp	96435
Ion Ratio	100	Lower	Upper
65	100		
67	54.0	0.0	106.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

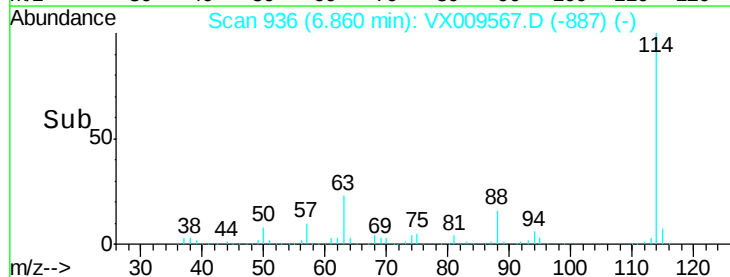
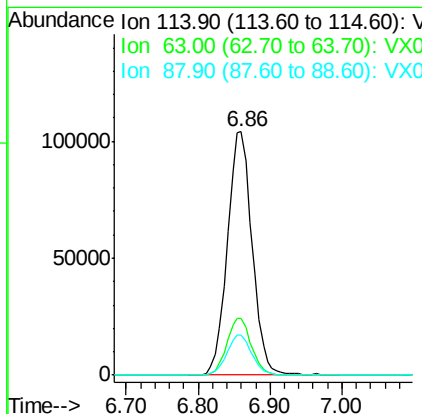
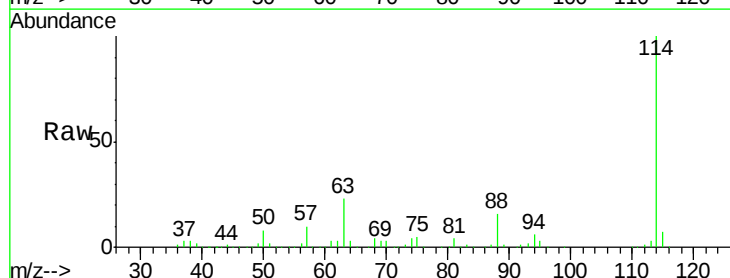
RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Tgt Ion	114	Resp	249785
Ion Ratio	100	Lower	Upper
114	100		
63	23.3	0.0	45.6
88	16.3	0.0	33.2





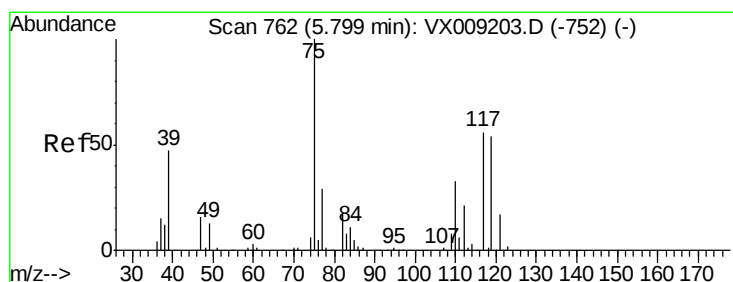
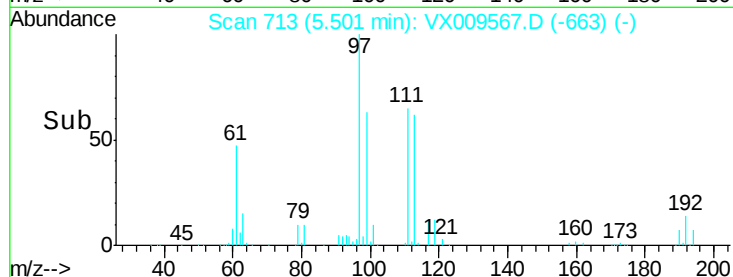
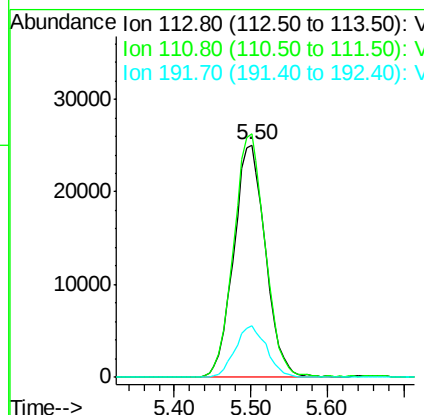
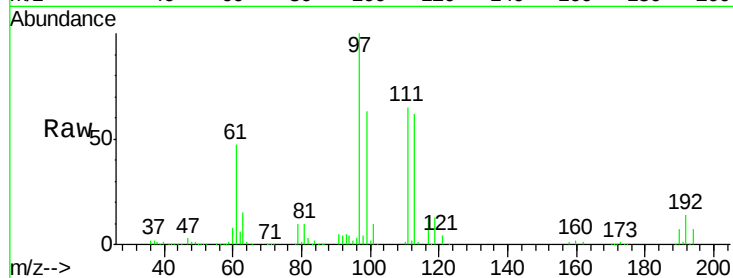
#35
 Dibromofluoromethane
 Concen: 45.979 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	72199		
111	103.6	82.8	124.2	
192	22.0	17.0	25.6	

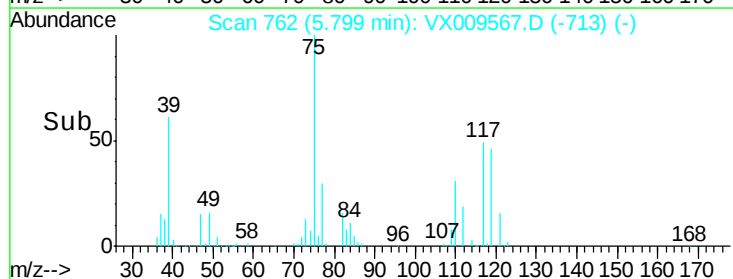
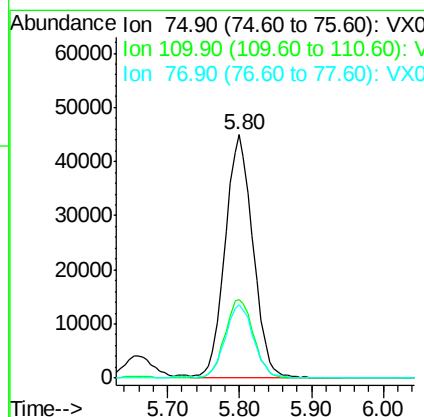
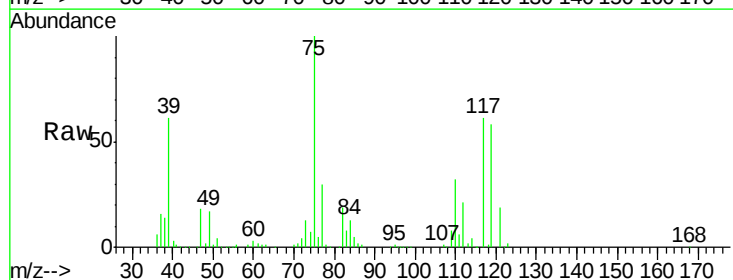
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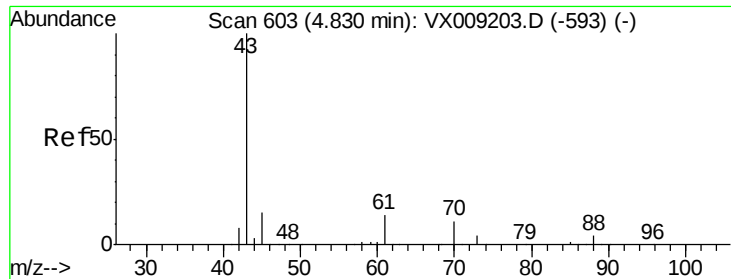
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#36
 1,1-Dichloropropene
 Concen: 51.916 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	120511		
110	33.3	16.9	50.6	
77	31.0	24.8	37.2	





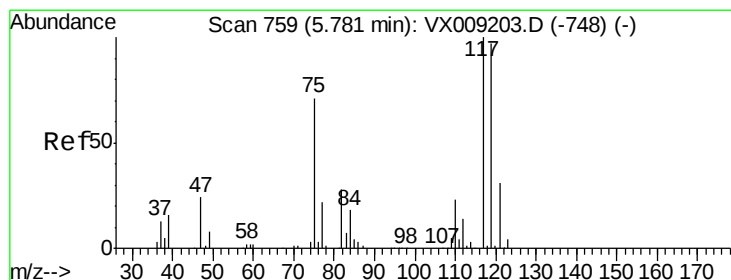
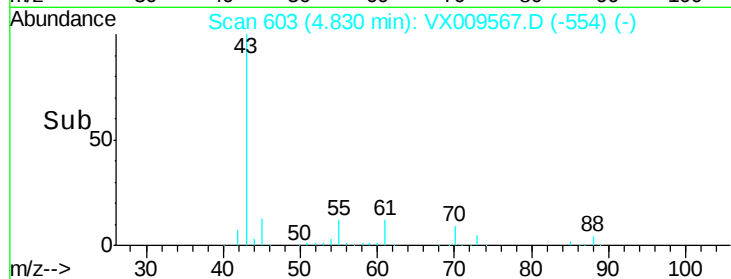
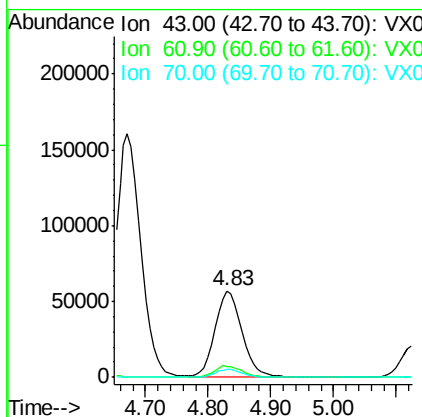
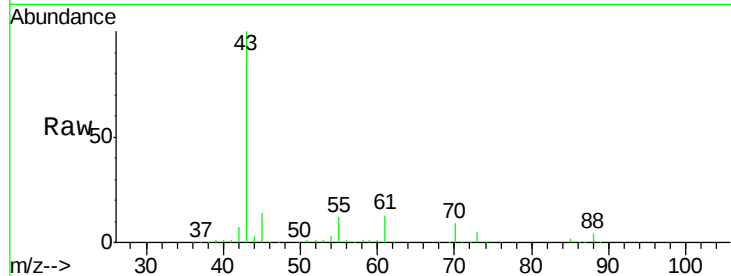
#37
Ethyl Acetate
Concen: 52.296 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	9.5	7.9	11.9

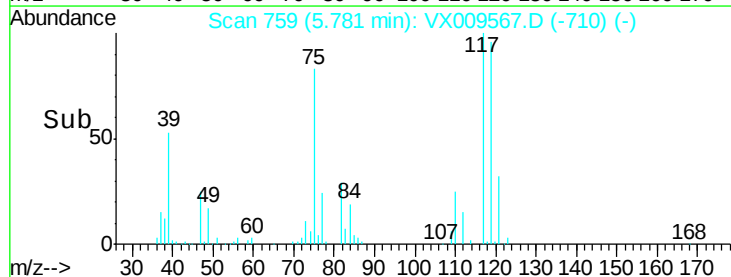
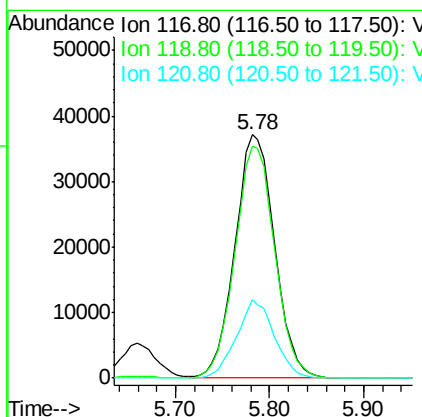
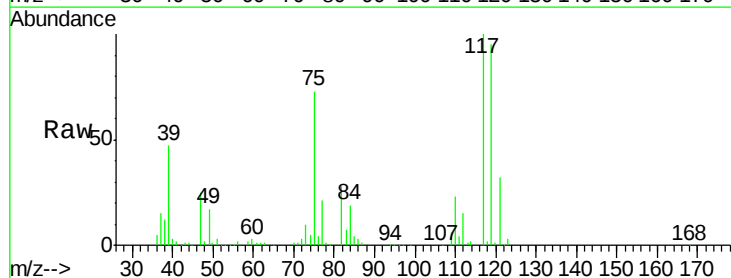
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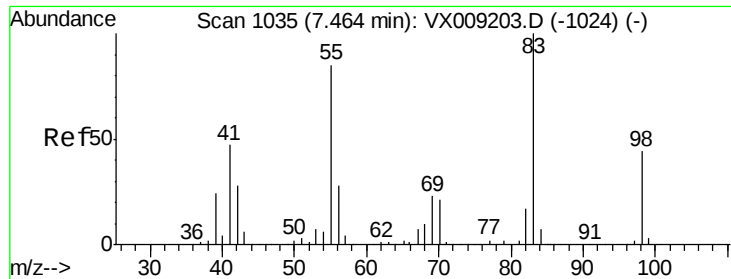
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#38
Carbon Tetrachloride
Concen: 51.603 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.5	116.3
121	32.4	24.7	37.1





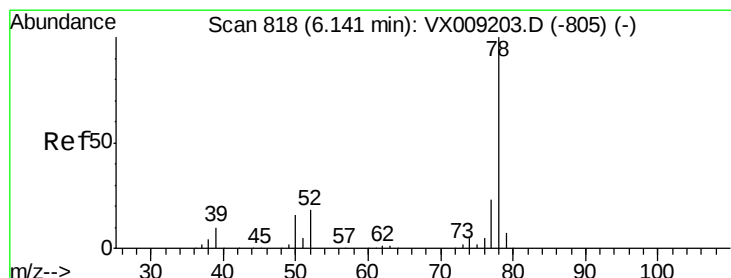
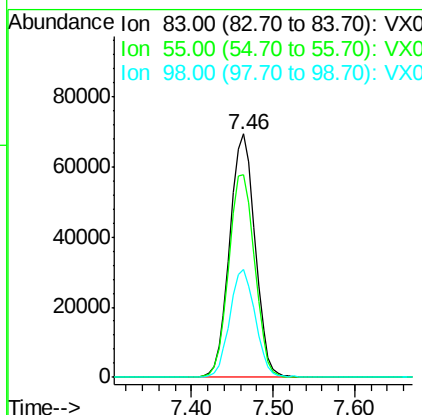
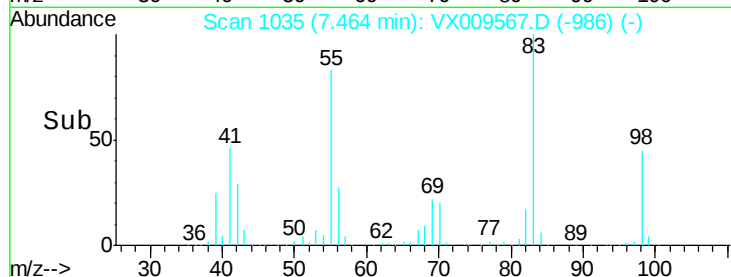
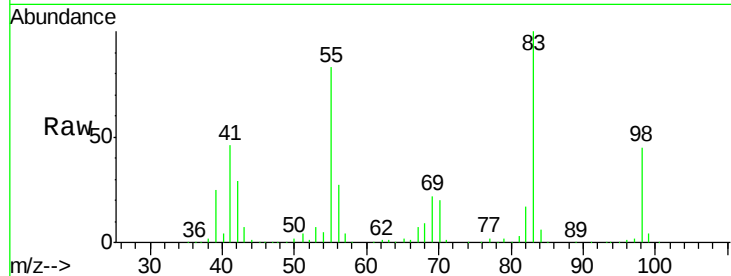
#39
Methvlcvclohexane
Concen: 52.064 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	67.7	101.5
98	44.5	35.5	53.3

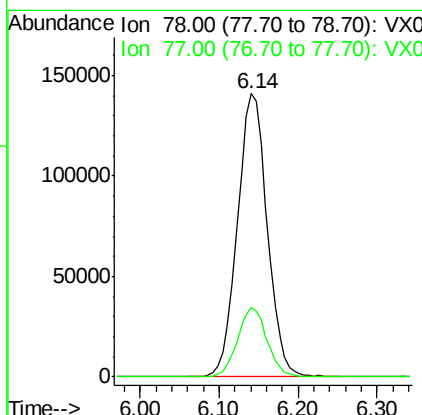
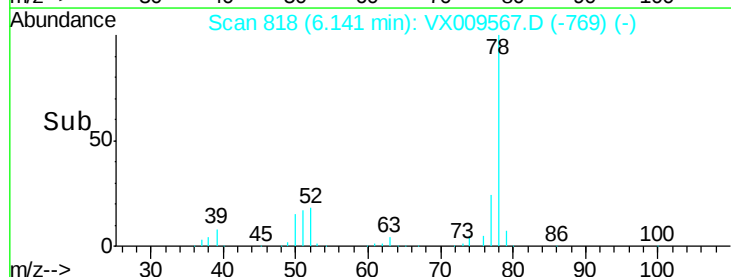
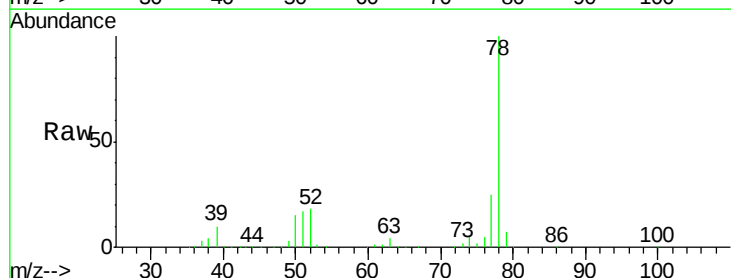
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#40
Benzene
Concen: 51.594 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2





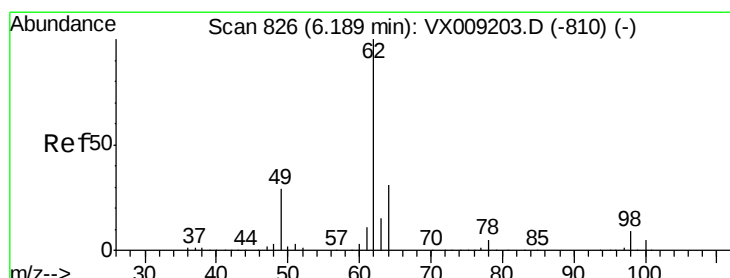
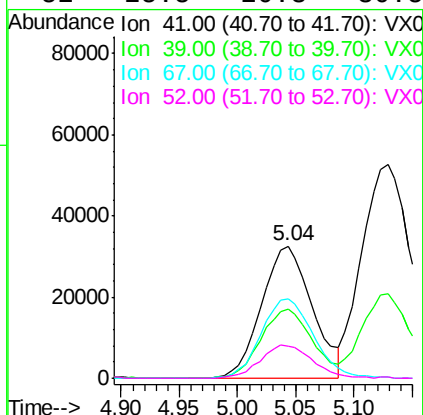
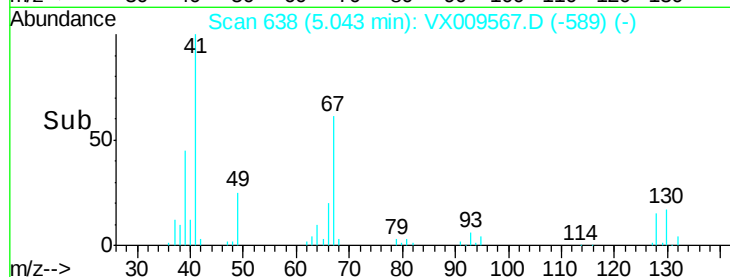
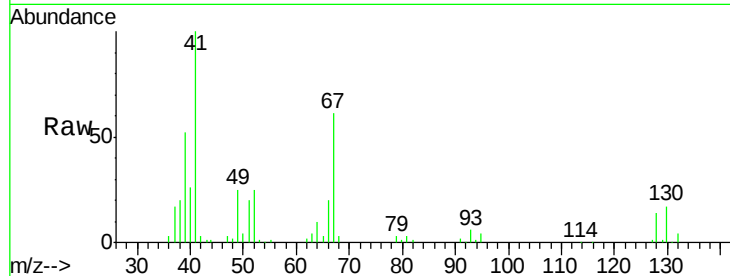
#41
Methacrylonitrile
Concen: 50.969 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	42.0	63.0	
67	62.7	49.8	74.8	
52	25.5	20.3	30.5	

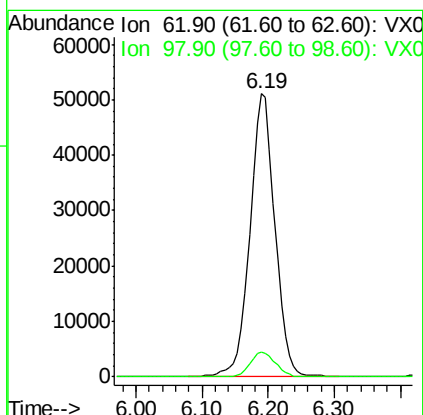
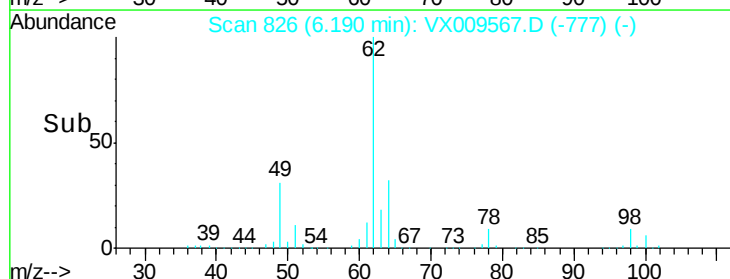
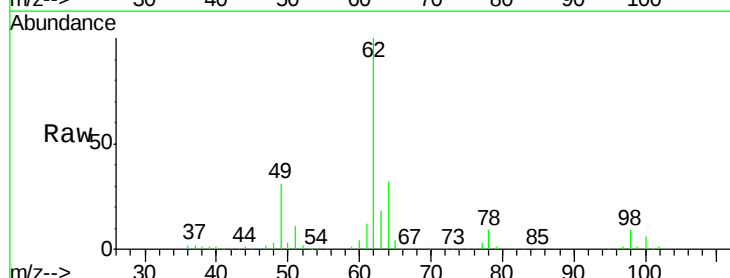
Manual Integrations
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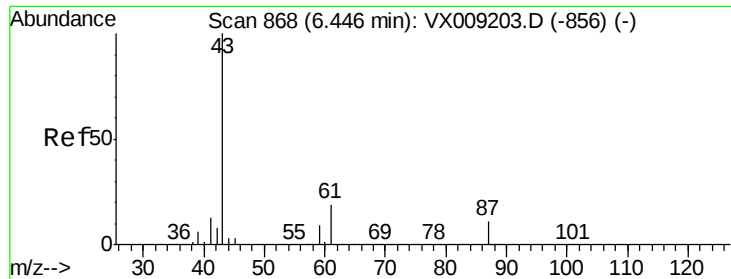
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#42
1,2-Dichloroethane
Concen: 52.210 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.2	





#43

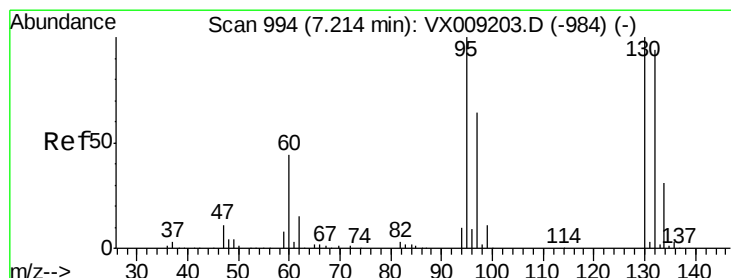
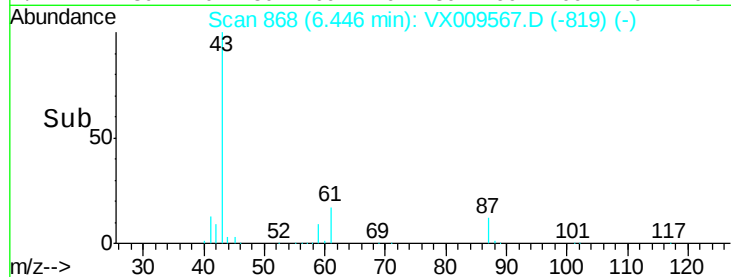
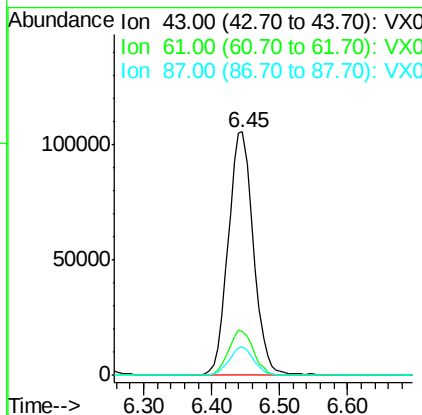
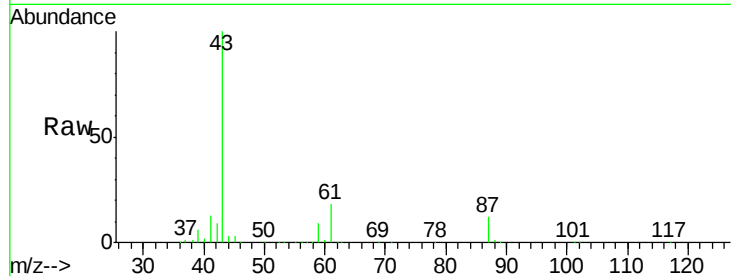
Isopropyl Acetate
 Concen: 52.104 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.1	22.7
87	11.4	9.0	13.6

Manual Integrations
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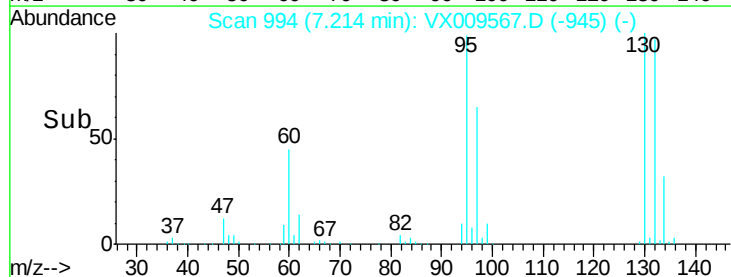
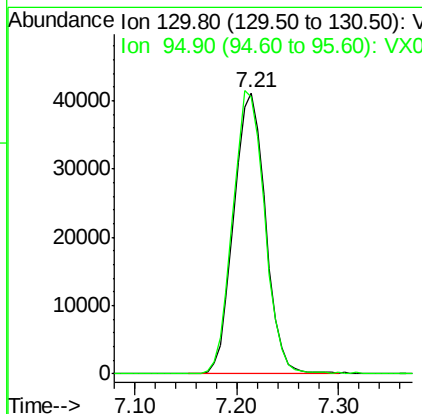
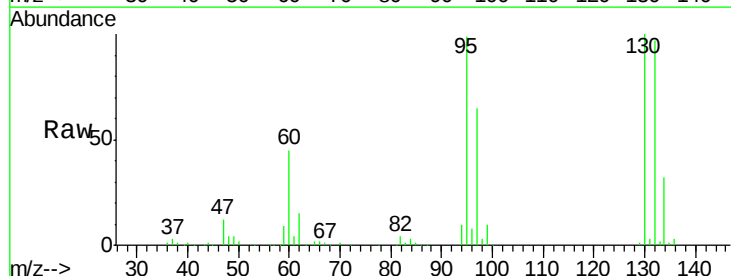
MMDadoda
 5/15/2019 12:25:56 PM



#44

Trichloroethene
 Concen: 50.887 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	199.2





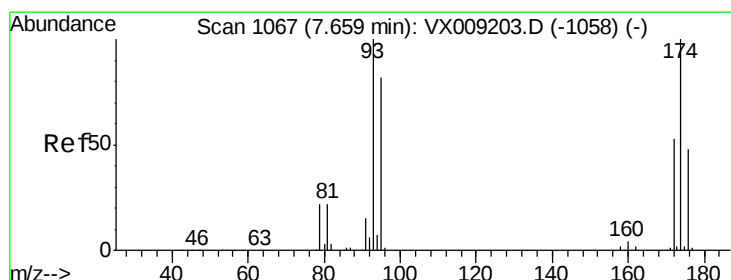
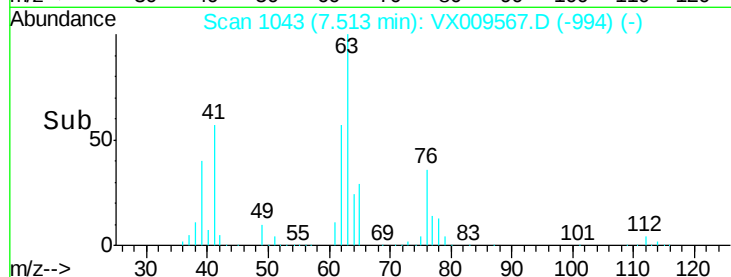
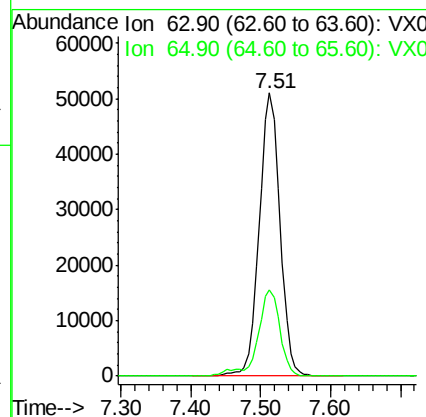
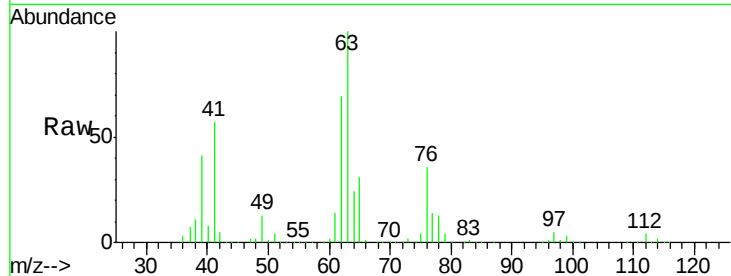
#45
 1,2-Dichloropropane
 Concen: 51.741 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 105252
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

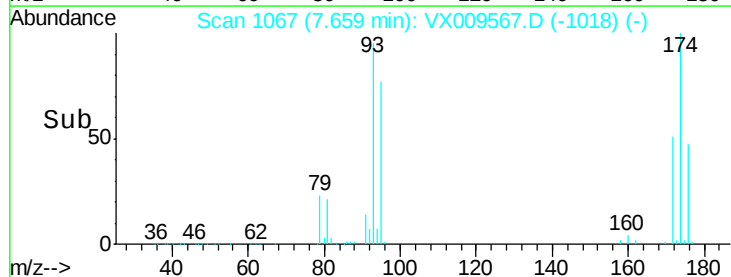
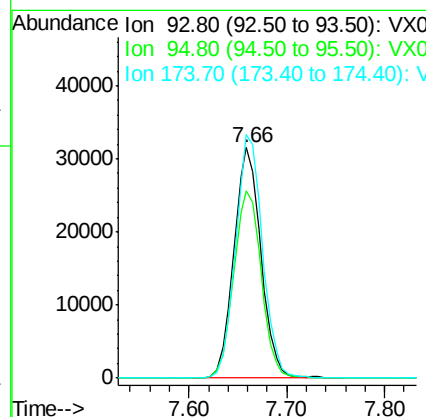
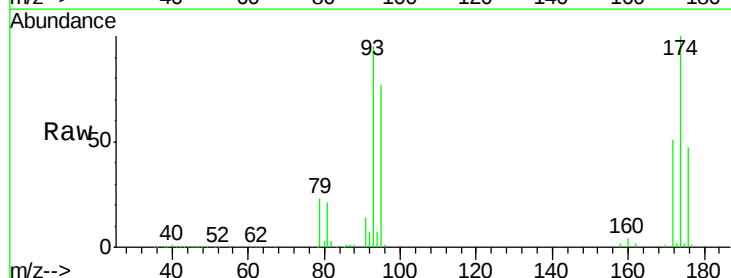
Manual Integrations
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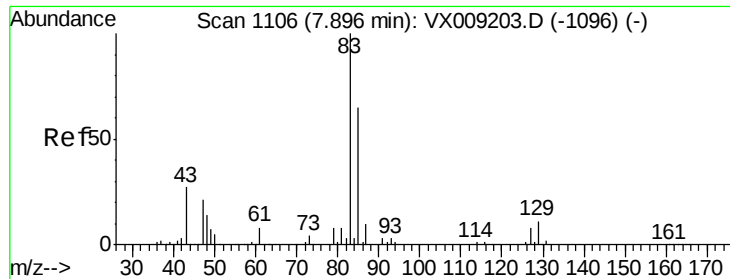
MMDadoda
 5/15/2019 12:25:56 PM



#46
 Dibromomethane
 Concen: 51.068 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Tgt Ion: 93 Resp: 60326
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.5 99.7
 174 105.5 82.1 123.1





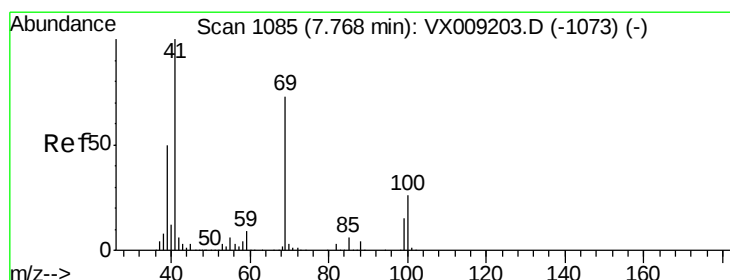
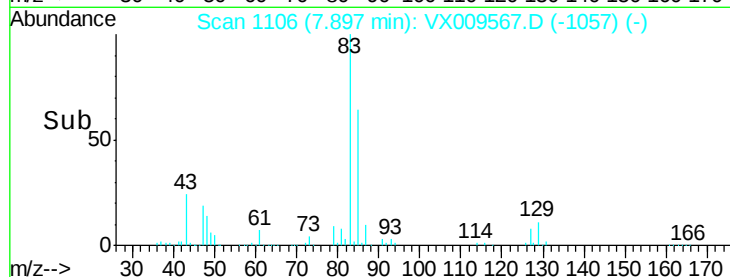
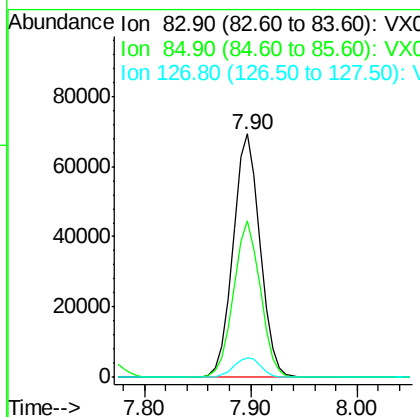
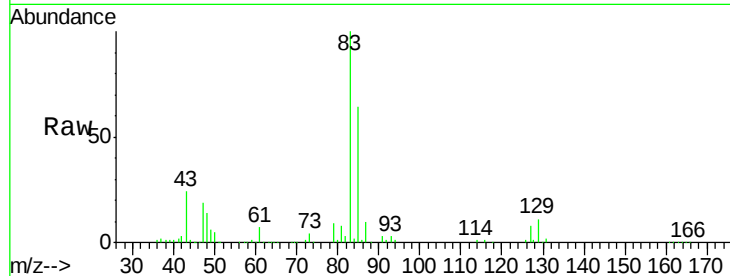
#47
Bromodichloromethane
Concen: 52.263 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	123151		
85	64.2	52.4	78.6	
127	8.0	6.6	10.0	

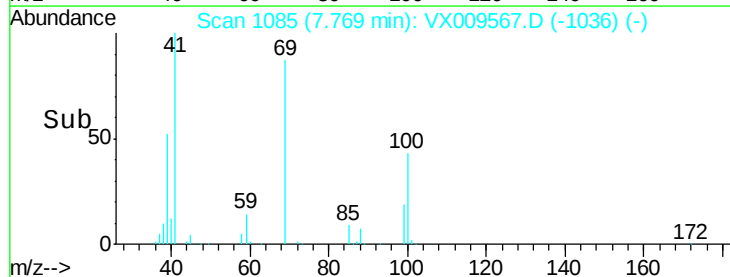
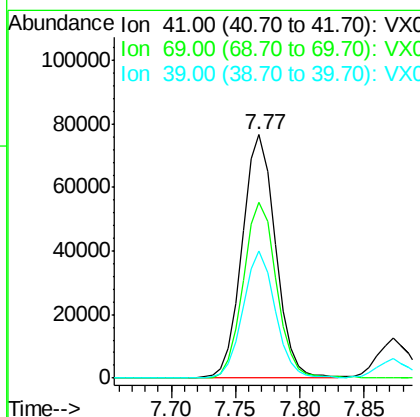
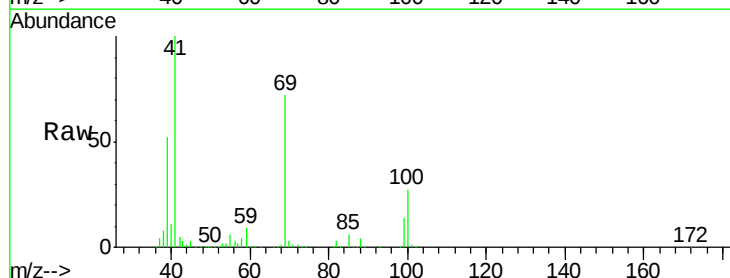
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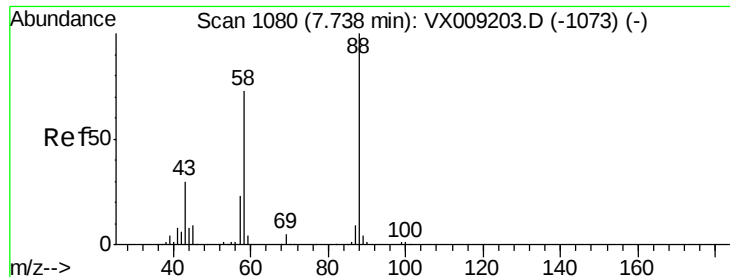
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#48
Methyl methacrylate
Concen: 53.191 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	136522		
69	72.5	59.1	88.7	
39	50.5	40.4	60.6	





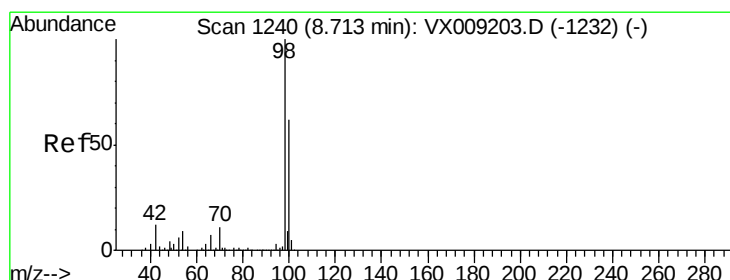
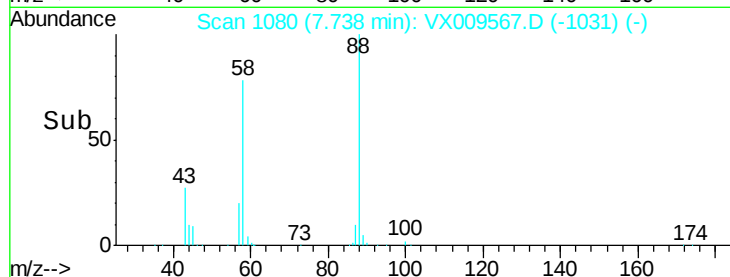
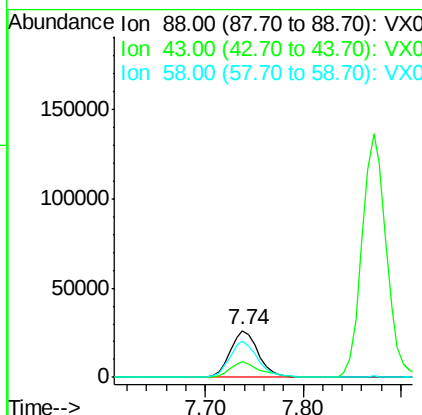
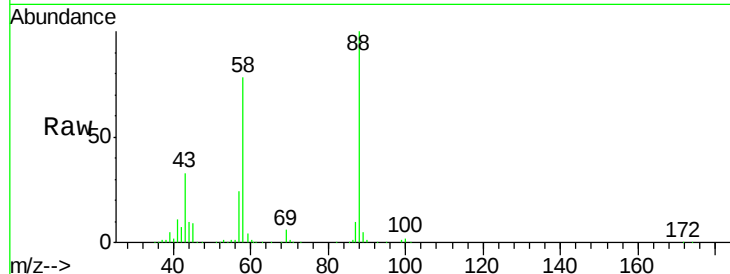
#49
1,4-Dioxane
Concen: 999.257 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	28.6	42.8
58	78.5	61.7	92.5

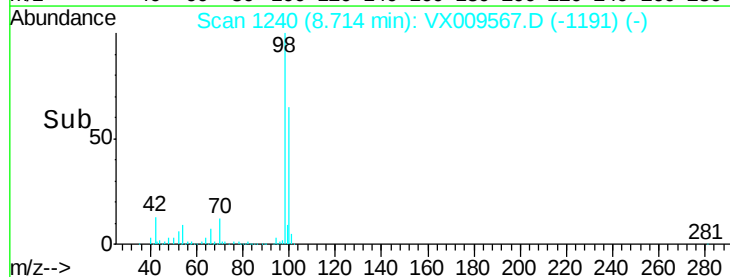
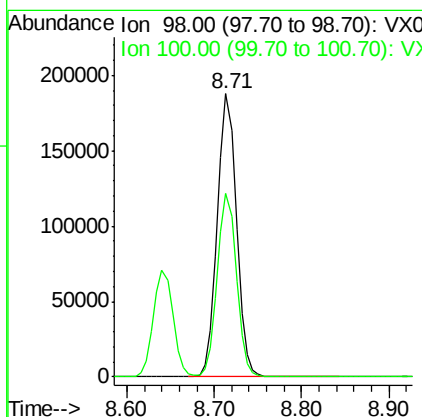
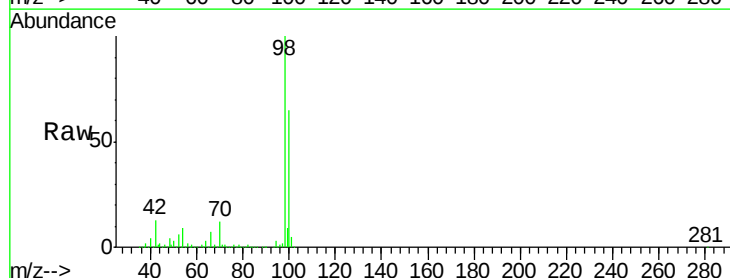
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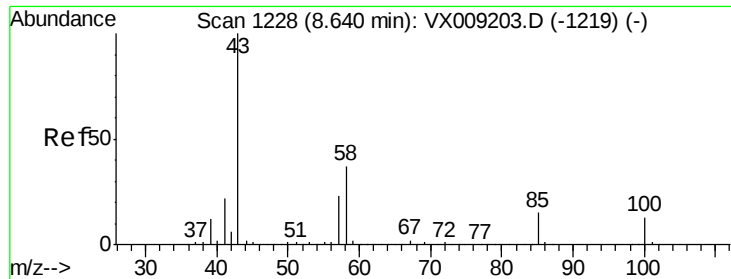
MMDadoda
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#50
Toluene-d8
Concen: 45.017 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 264.424 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 894123

Ion Ratio Lower Upper

43 100

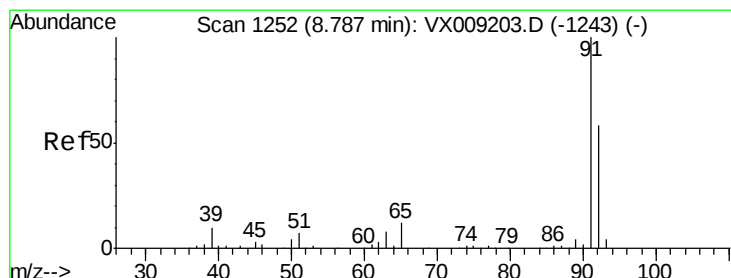
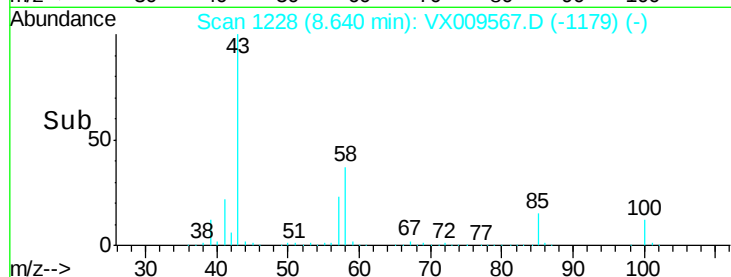
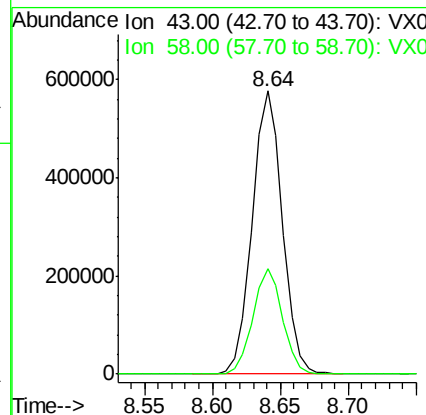
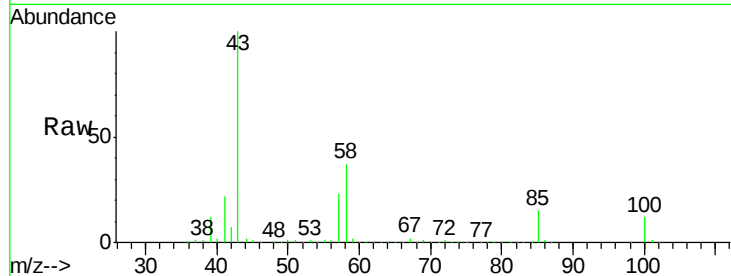
58 36.7 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 52.149 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009567.D

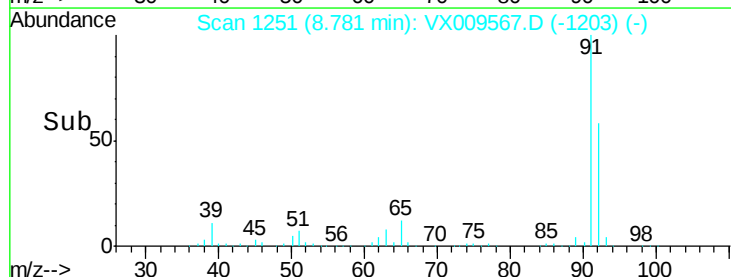
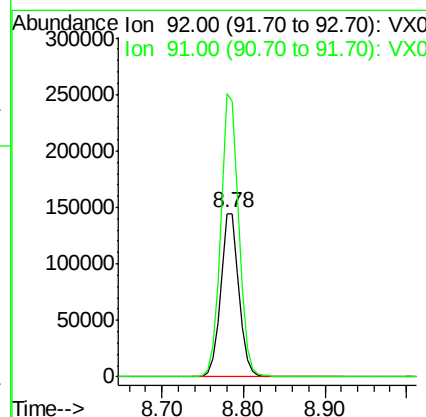
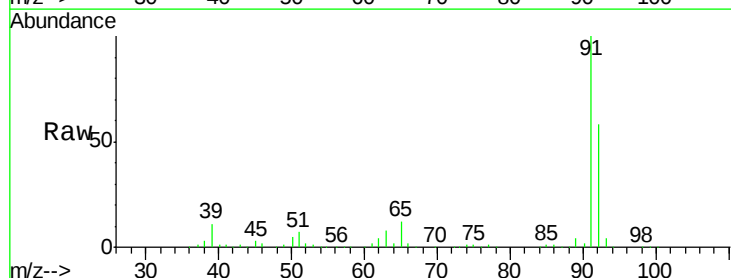
Acq: 14 May 2019 17:31

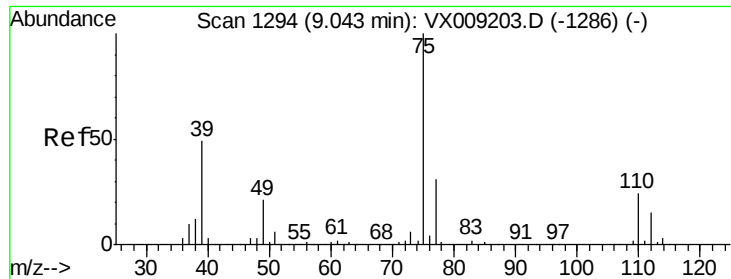
Tgt Ion: 92 Resp: 227734

Ion Ratio Lower Upper

92 100

91 172.4 138.8 208.2





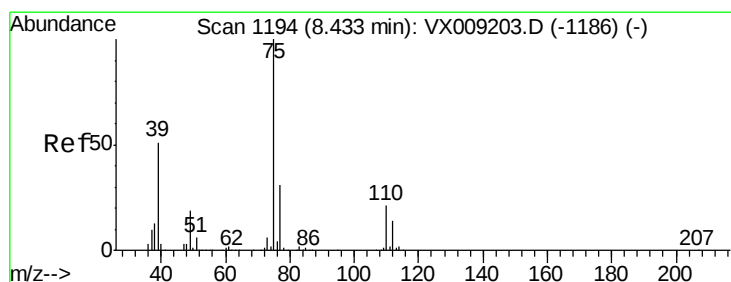
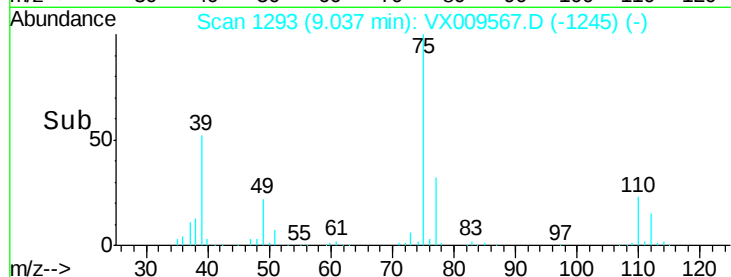
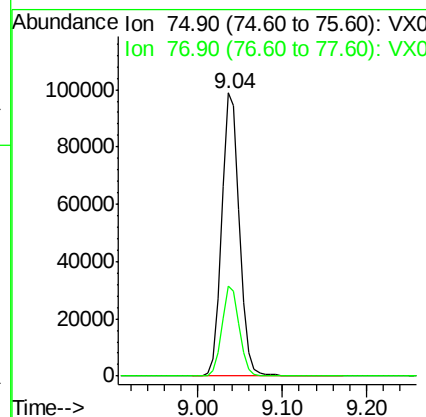
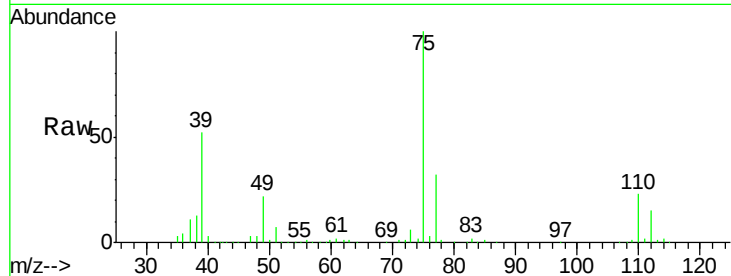
#53
t-1,3-Dichloropropene
Concen: 53.898 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 143387
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.6

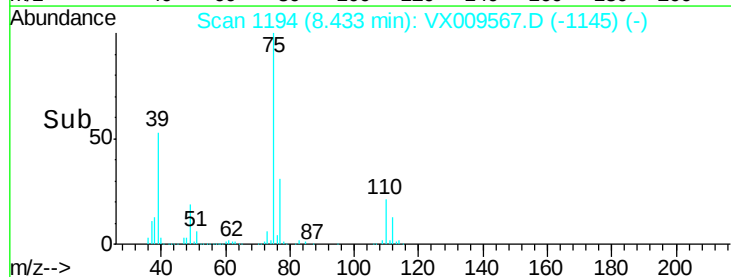
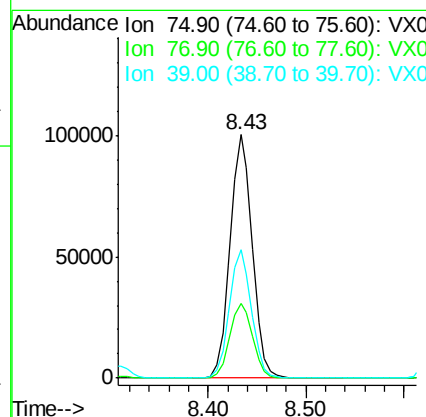
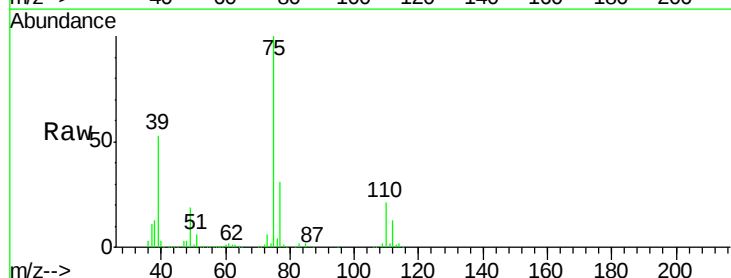
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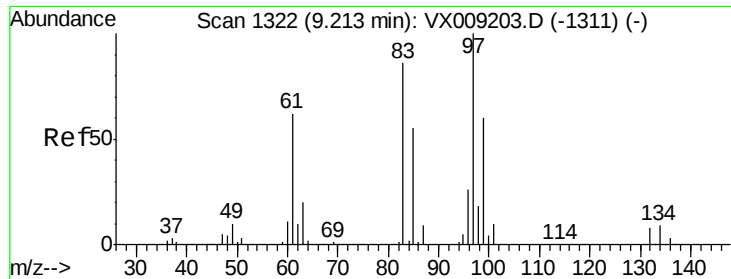
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#54
cis-1,3-Dichloropropene
Concen: 53.572 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion: 75 Resp: 157748
Ion Ratio Lower Upper
75 100
77 30.6 24.6 36.8
39 52.8 40.6 60.8





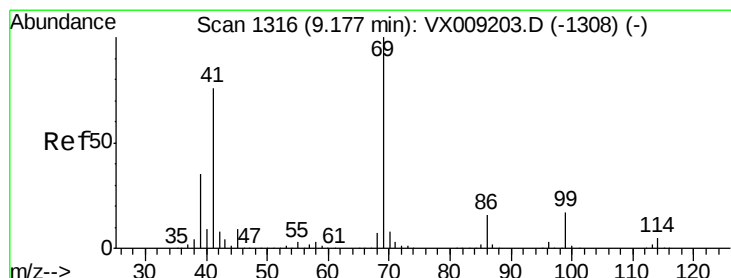
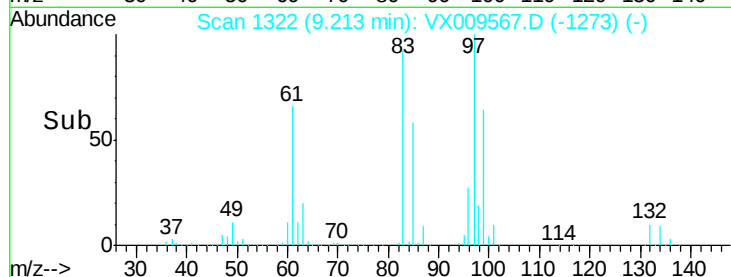
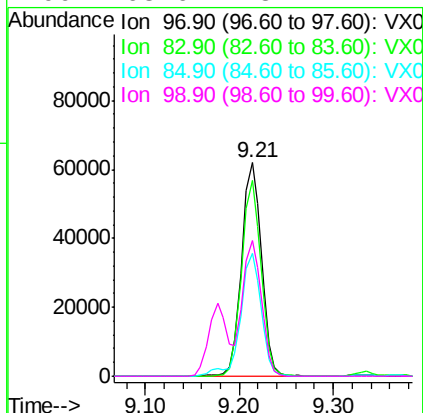
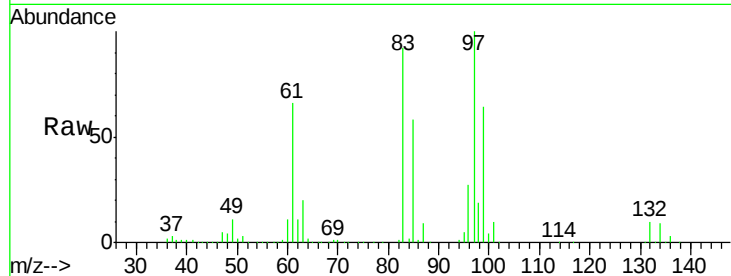
#55
1,1,2-Trichloroethane
Concen: 51.215 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	97	Resp:	91245
Ion	Ratio	Lower	Upper
97	100		
83	91.6	68.9	103.3
85	57.7	43.8	65.6
99	63.6	48.2	72.2

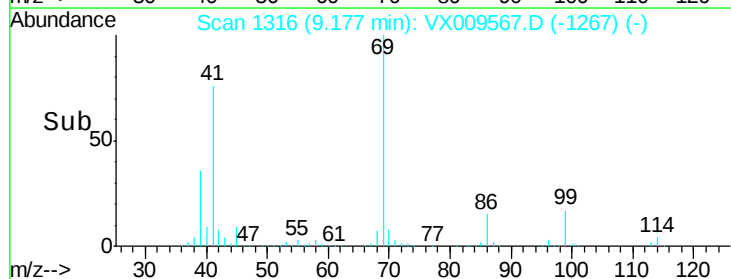
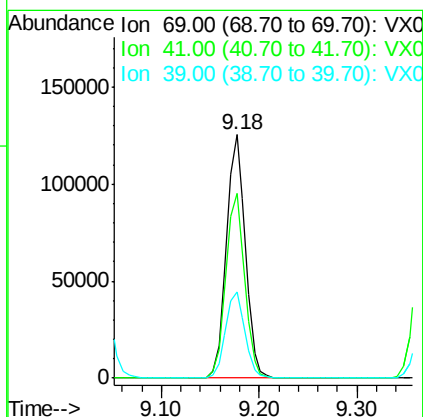
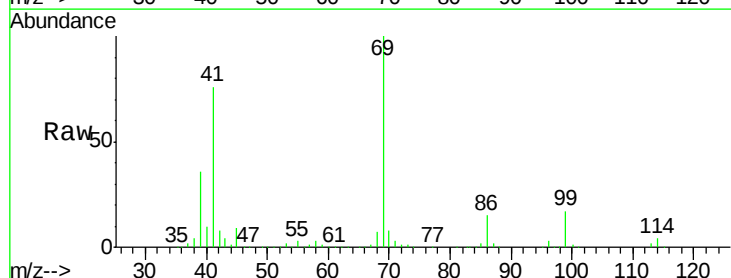
Manual Integrations
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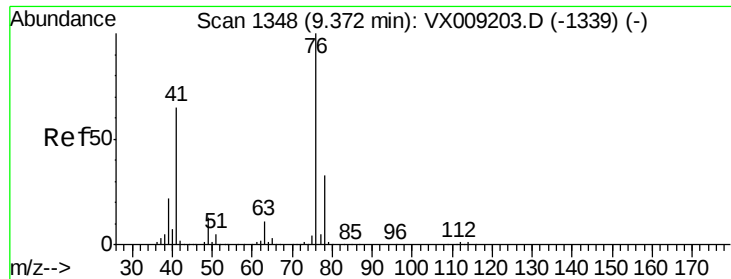
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#56
Ethyl methacrylate
Concen: 53.078 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion:	69	Resp:	168802
Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.6	90.8
39	36.1	28.2	42.4





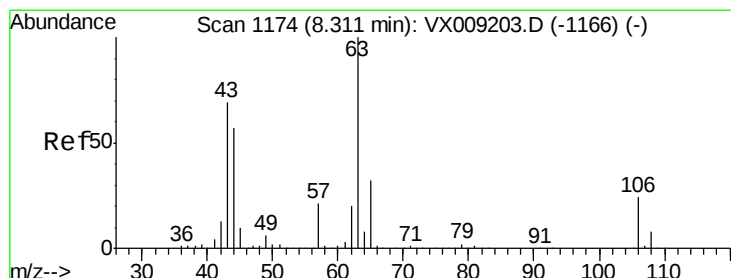
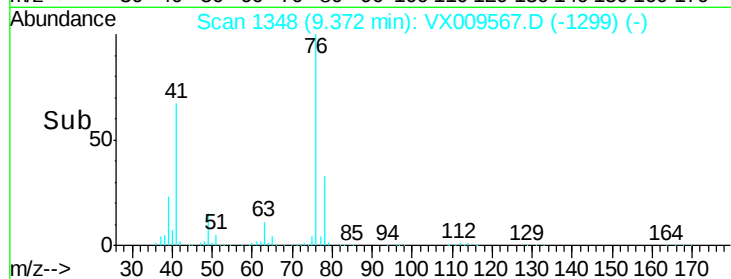
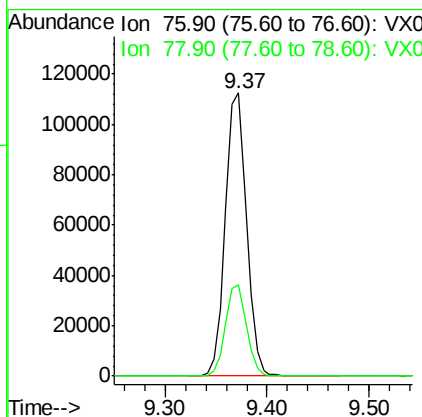
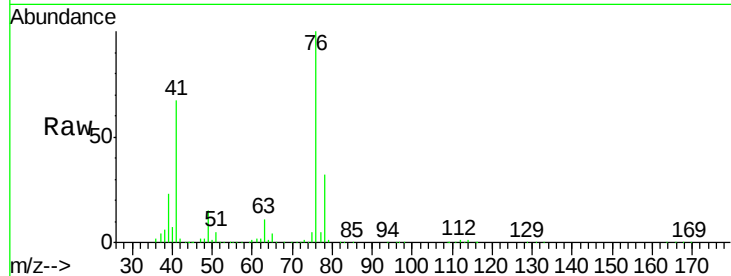
#57
 1,3-Dichloropropane
 Concen: 51.803 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 162410
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

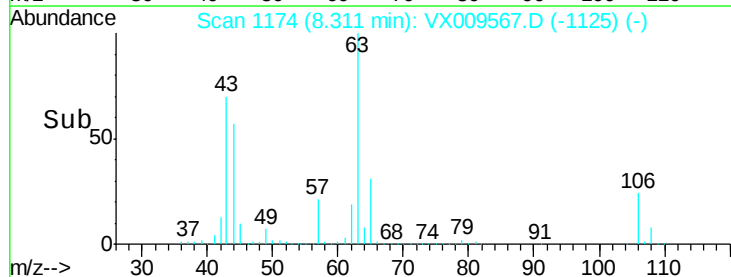
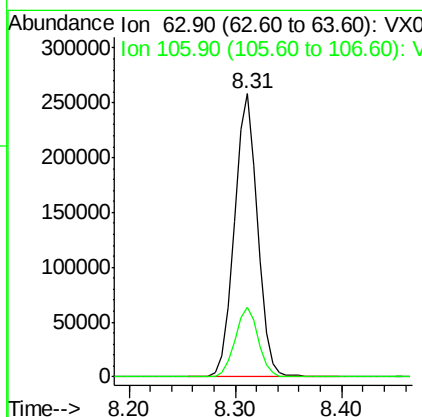
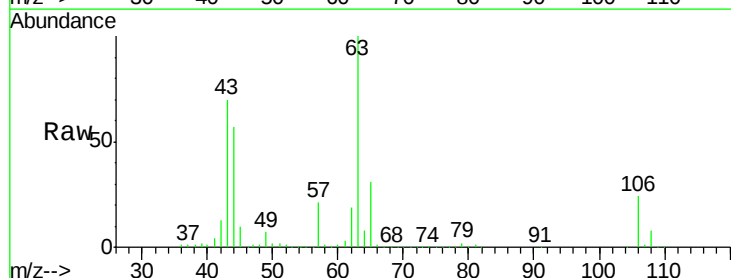
Manual Integrations
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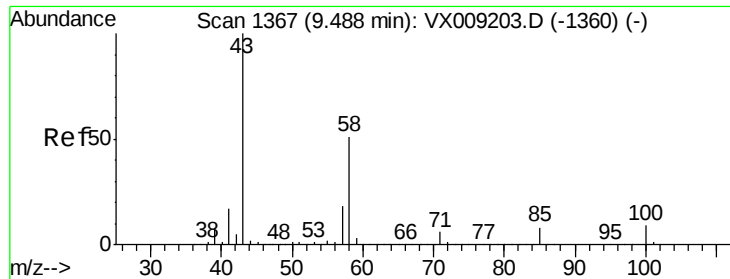
MMDadoda
 5/15/2019 12:25:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.746 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Tgt Ion: 63 Resp: 392668
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.7 29.5





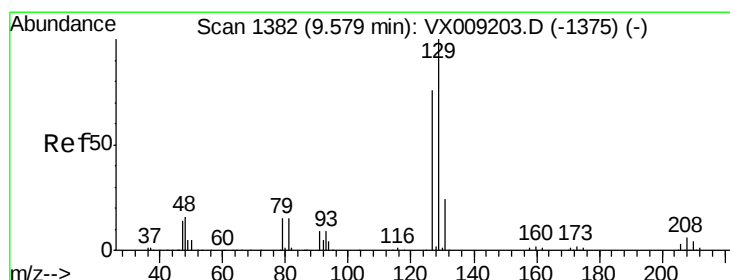
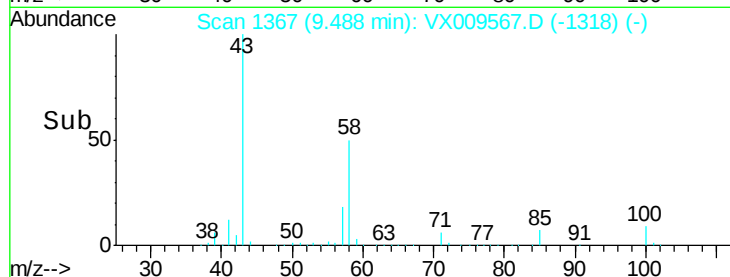
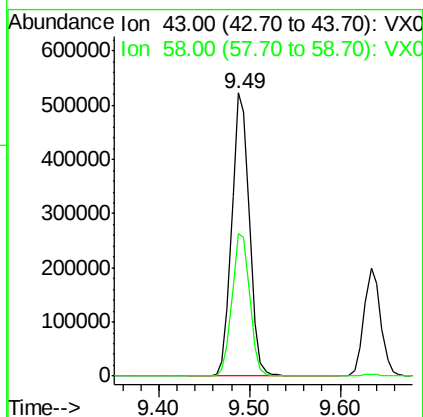
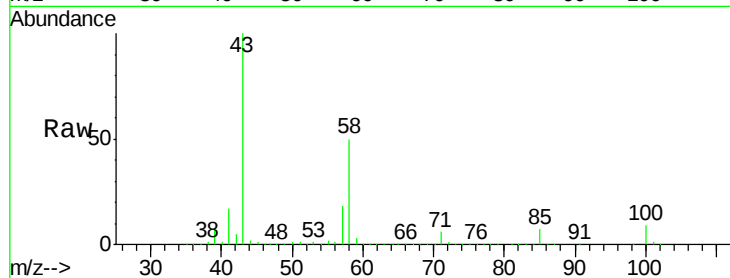
#59
2-Hexanone
Concen: 263.807 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 700594
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7

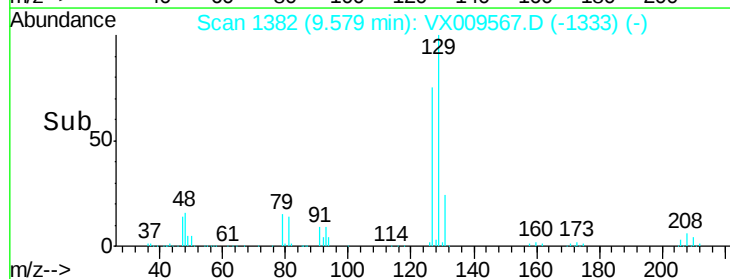
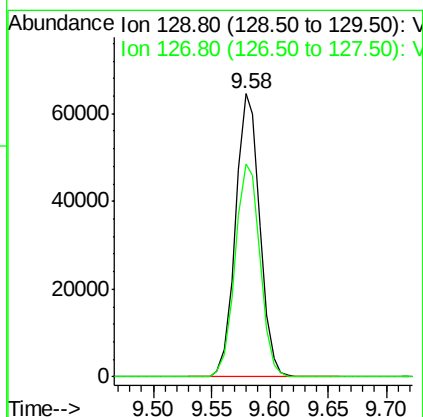
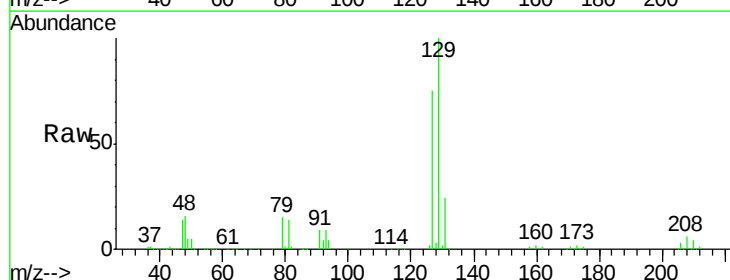
Manual Integrations
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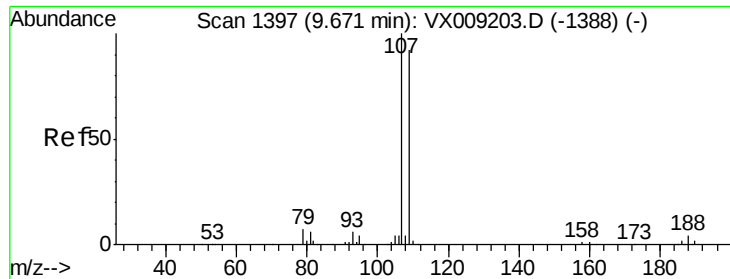
MMDadoda
5/15/2019 12:25:56 PM



#60
Dibromochloromethane
Concen: 53.745 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion: 129 Resp: 93520
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 52.426 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 94283

Ion Ratio Lower Upper

107 100

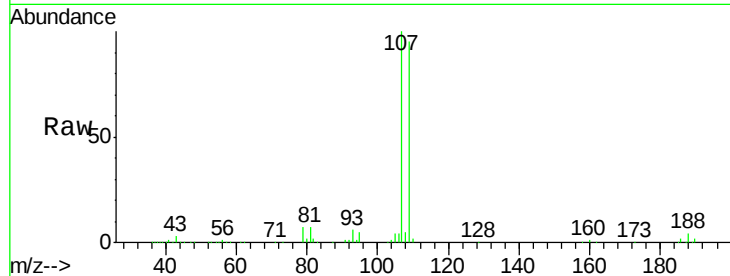
109 94.7 75.2 112.8

Manual Integrations

APPROVED

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5/15/2019 12:25:56 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

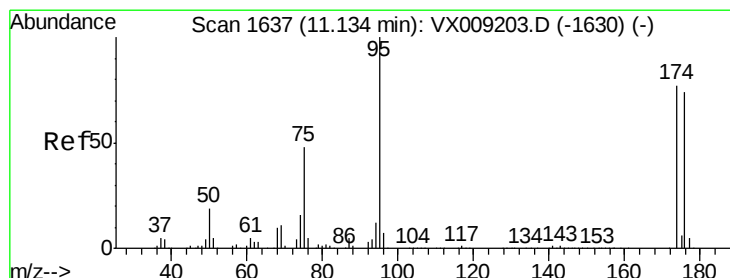
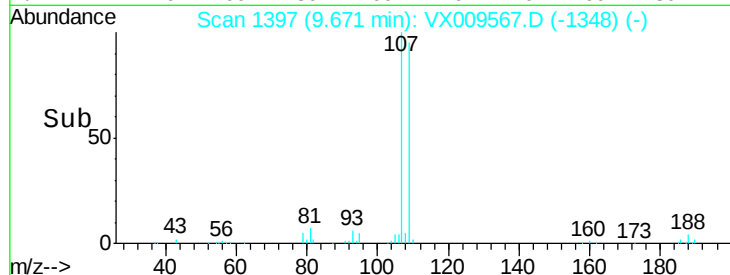
40000

20000

0

Time-->

9.60 9.65 9.70 9.75 9.80



#62

4-Bromofluorobenzene

Concen: 46.363 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

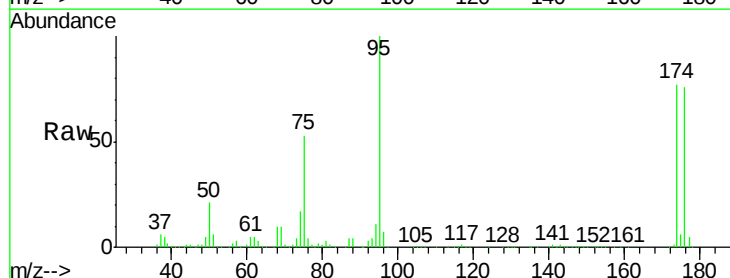
Tgt Ion: 95 Resp: 106799

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

176 80.0 0.0 159.2



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

11.13

120000

100000

80000

60000

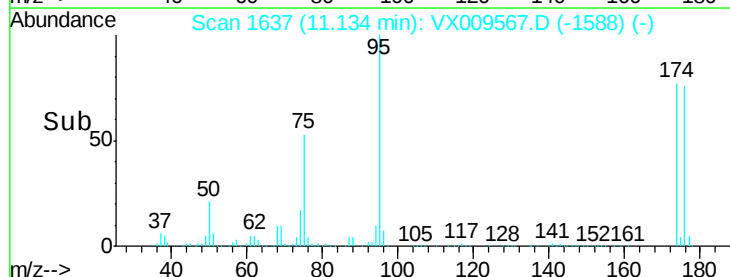
40000

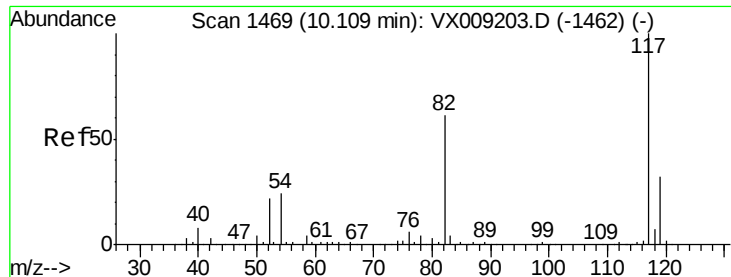
20000

0

Time-->

11.05 11.10 11.15 11.20





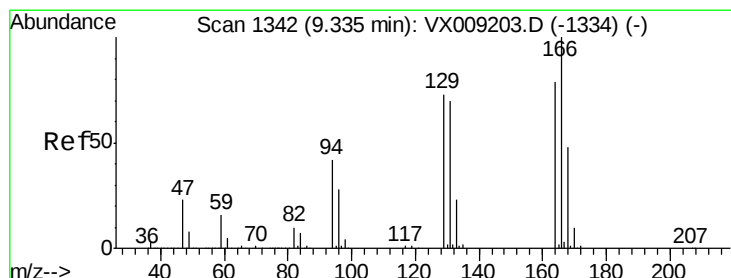
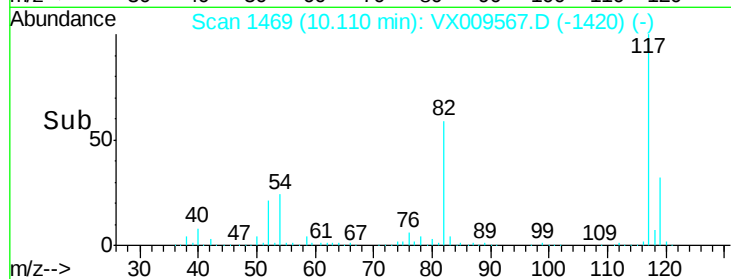
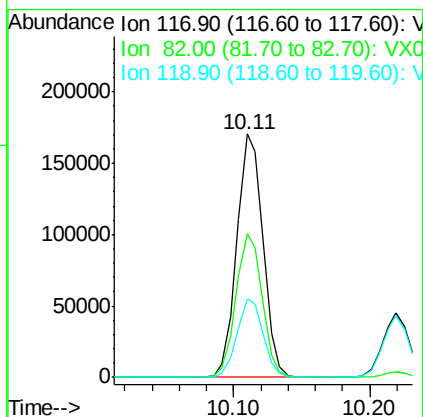
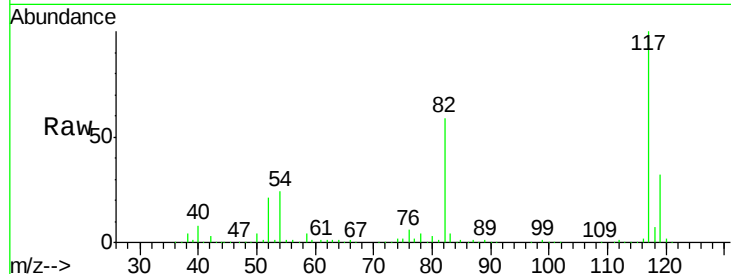
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	48.8	73.2
119	32.5	25.8	38.6

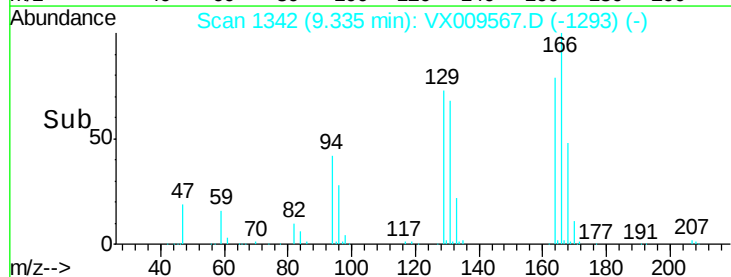
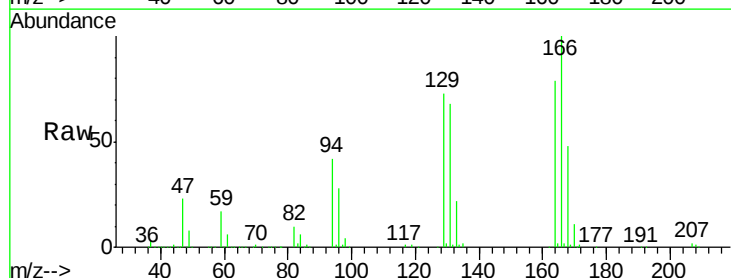
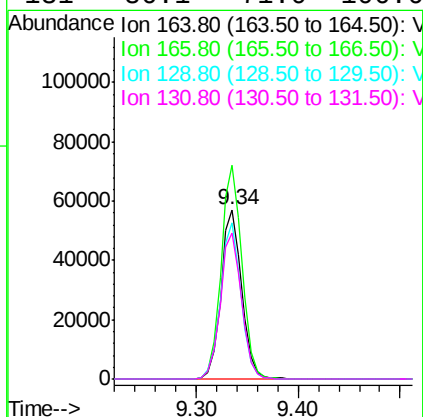
Manual Integrations
APPROVED

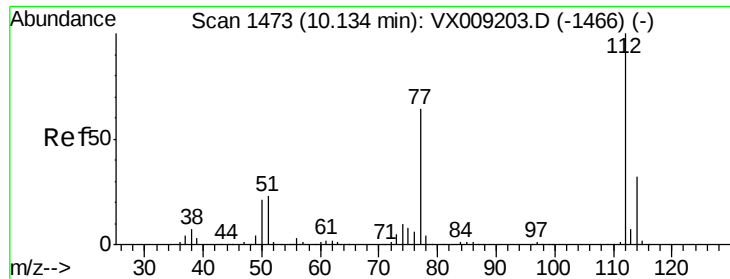
MMDadoda
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#64
Tetrachloroethene
Concen: 51.277 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	101.2	151.8
129	92.5	74.3	111.5
131	86.1	71.0	106.6





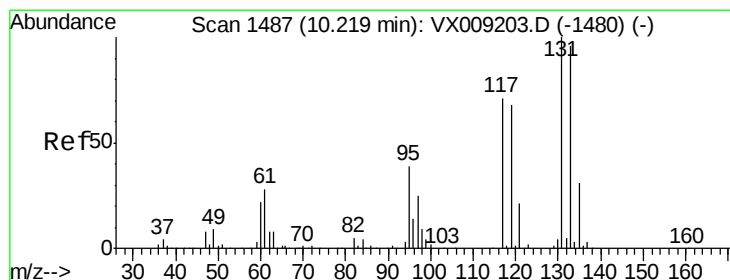
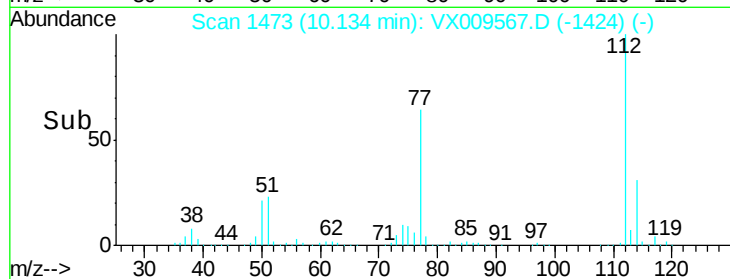
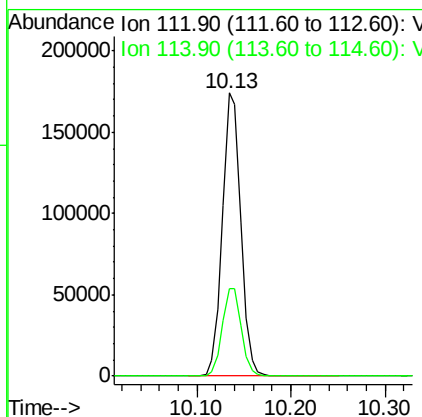
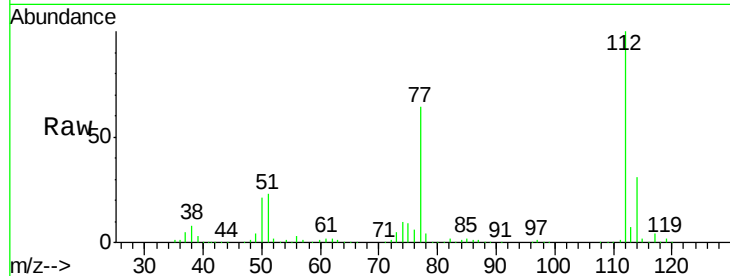
#65
Chlorobenzene
Concen: 51.745 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.5	38.3

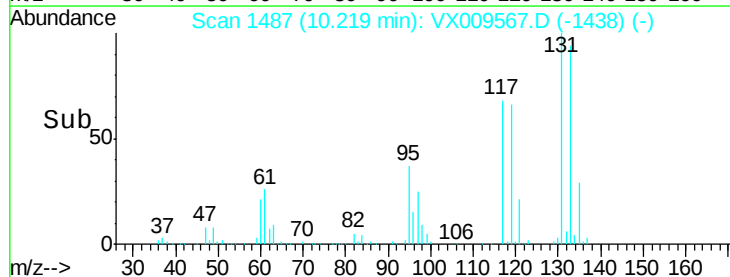
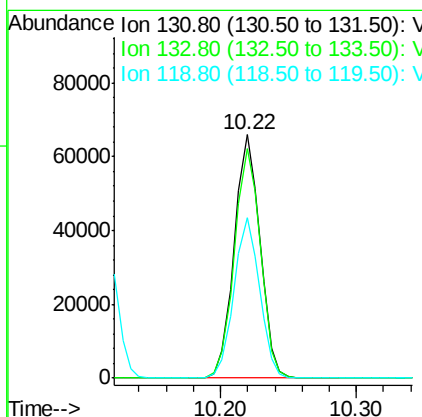
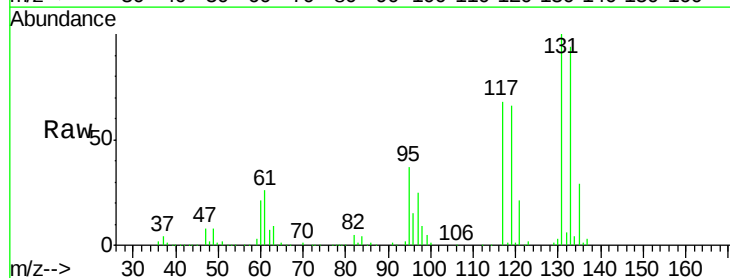
Manual Integrations
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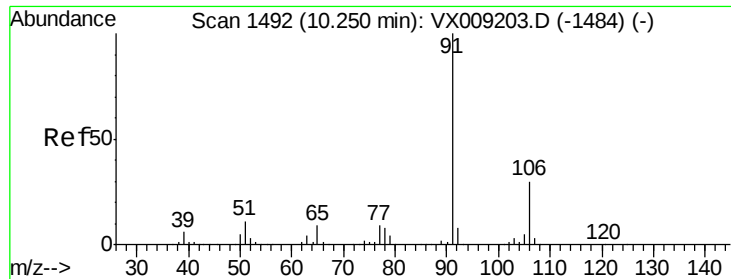
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.692 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.7	143.1
119	65.7	33.5	100.4





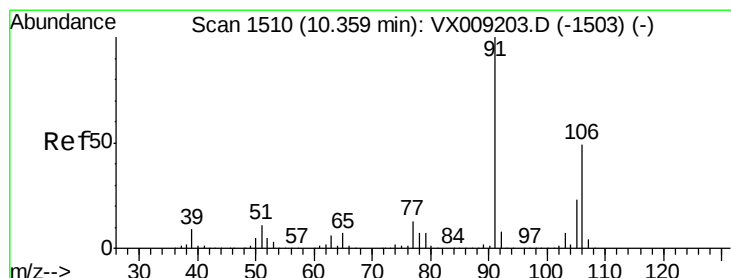
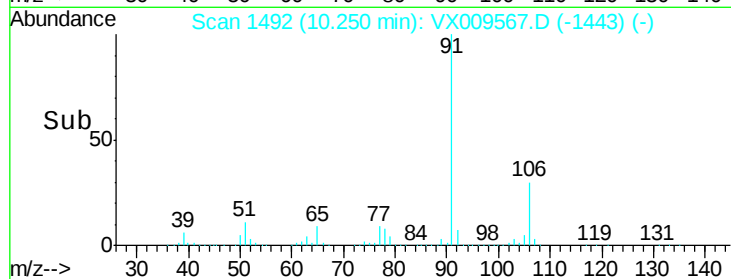
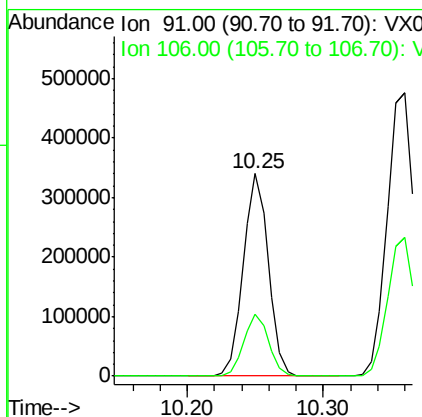
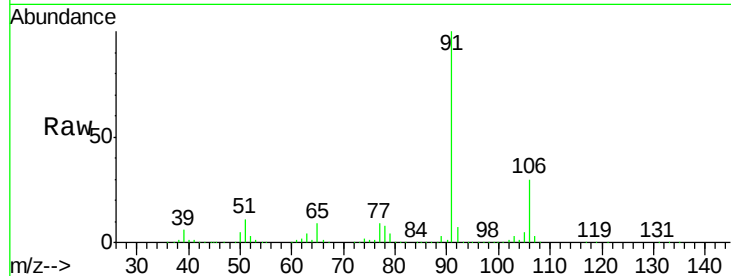
#67
Ethyl Benzene
Concen: 52.141 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 437380
Ion Ratio Lower Upper
91 100
106 30.4 24.0 36.0

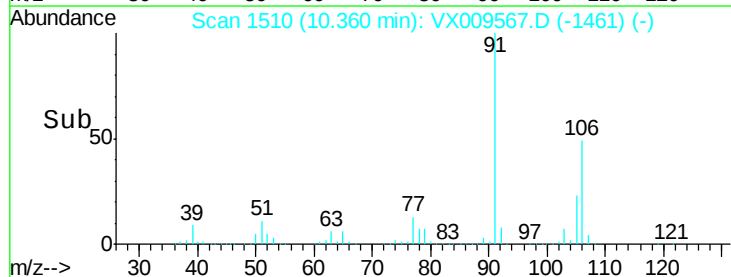
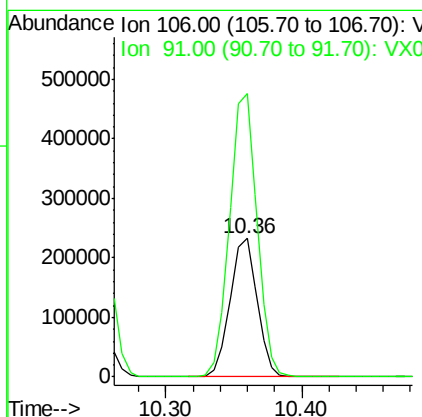
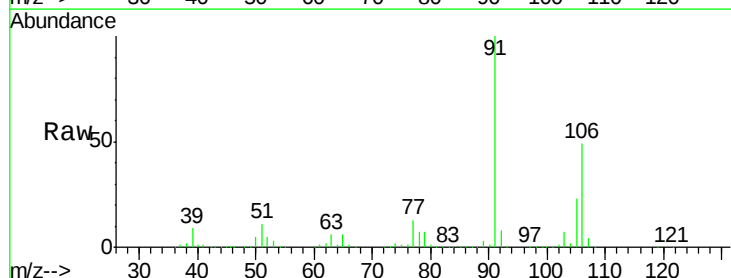
Manual Integrations
APPROVED

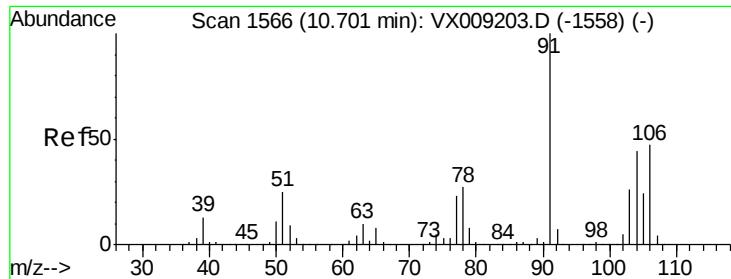
MMDadoda
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#68
m/p-Xylenes
Concen: 105.038 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion: 106 Resp: 321983
Ion Ratio Lower Upper
106 100
91 207.3 164.0 246.0





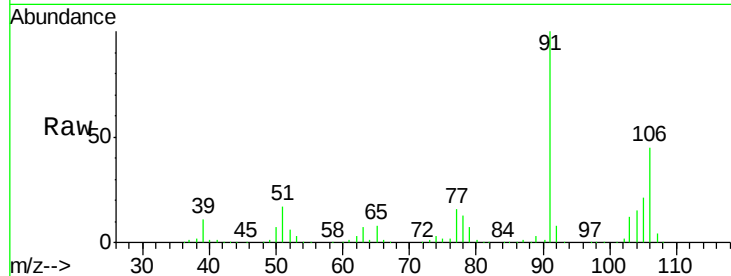
#69
o-Xylene
Concen: 52.010 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

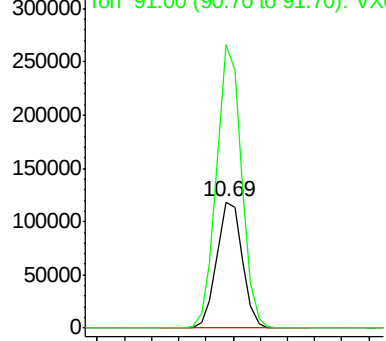
Tot Ion:106 Resp: 157304
Ion Ratio Lower Upper
106 100
91 217.9 109.5 328.4

Manual Integrations
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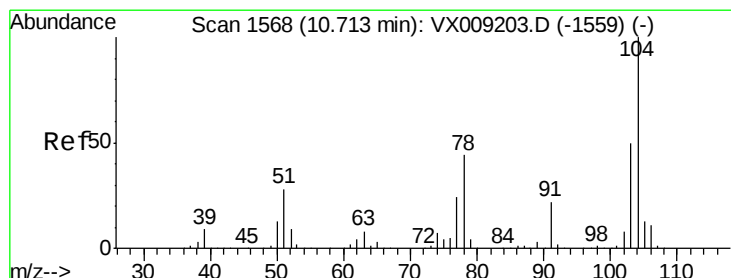
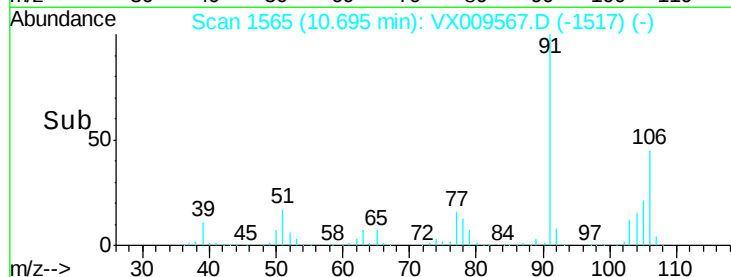
MMDadoda
5/15/2019 12:25:56 PM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

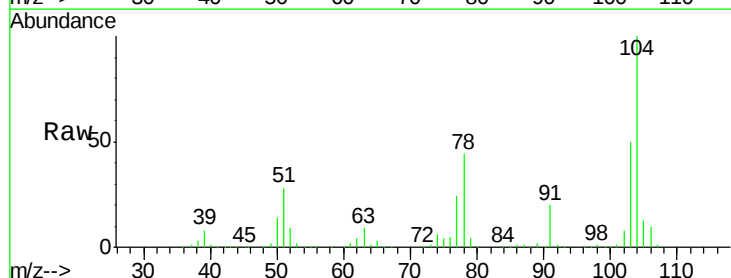


Time-->

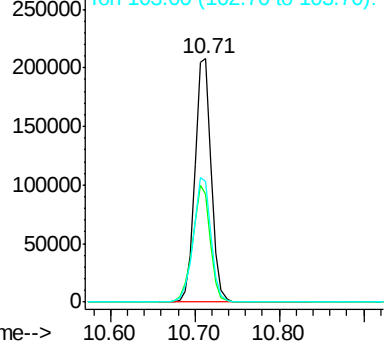


#70
Styrene
Concen: 52.859 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

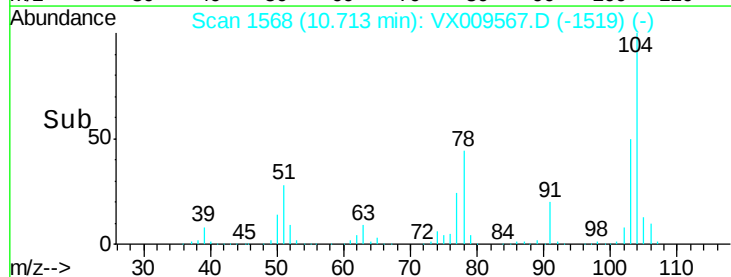
Tgt Ion:104 Resp: 277865
Ion Ratio Lower Upper
104 100
78 51.3 41.0 61.4
103 55.2 43.8 65.6

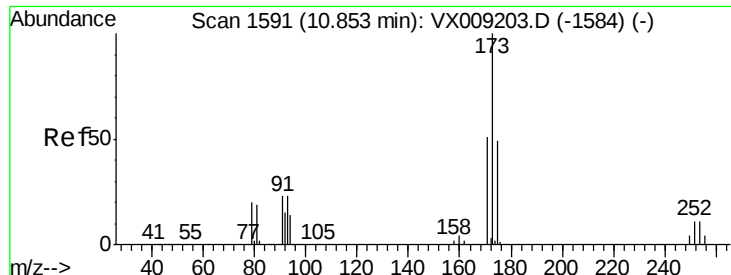


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time-->





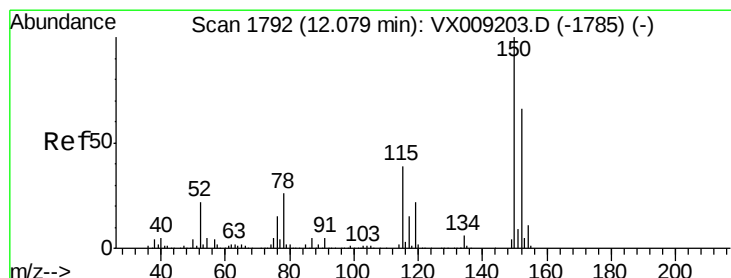
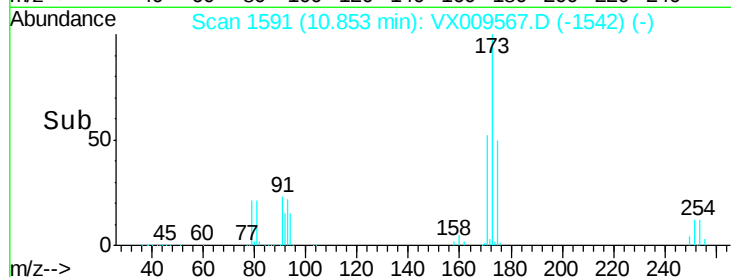
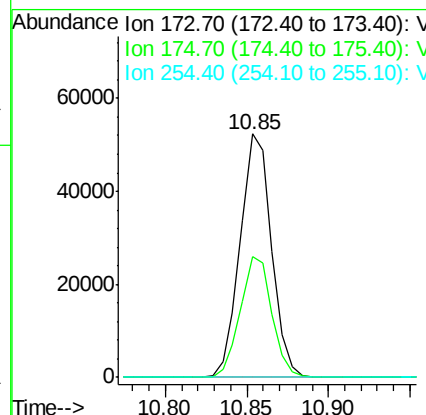
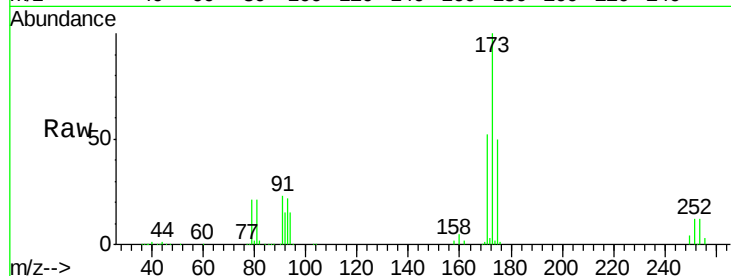
#71
Bromoform
Concen: 52.359 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.5	73.5
254	0.1	0.1	0.1

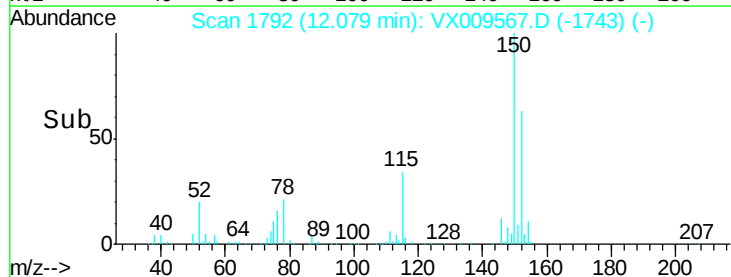
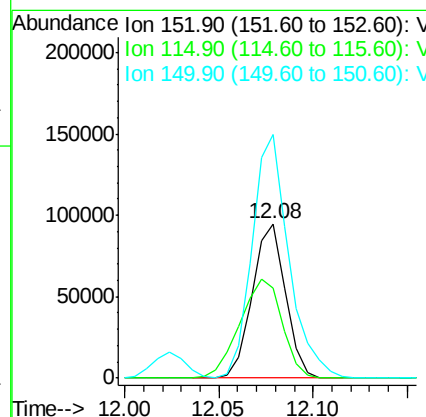
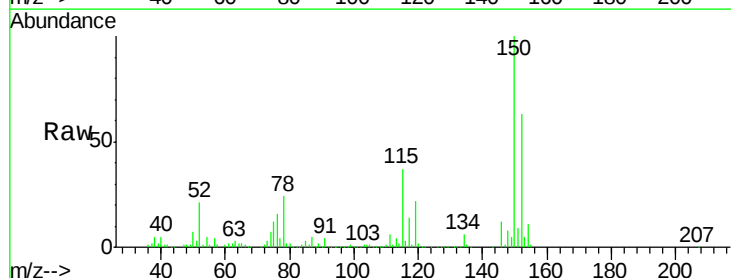
Manual Integrations
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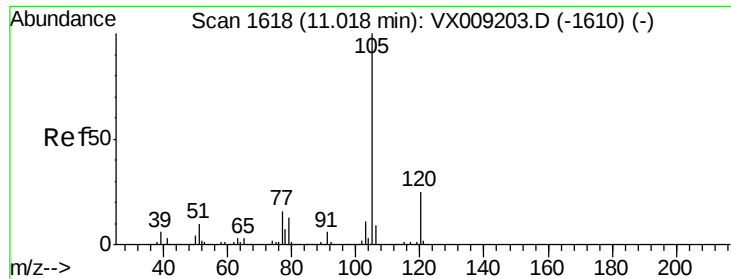
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.1	41.2	123.6
150	174.5	0.0	346.4





#73

Isopropylbenzene

Concen: 50.020 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 420378

Ion Ratio Lower Upper

105 100

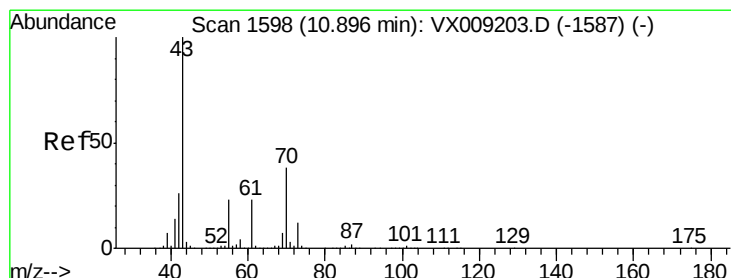
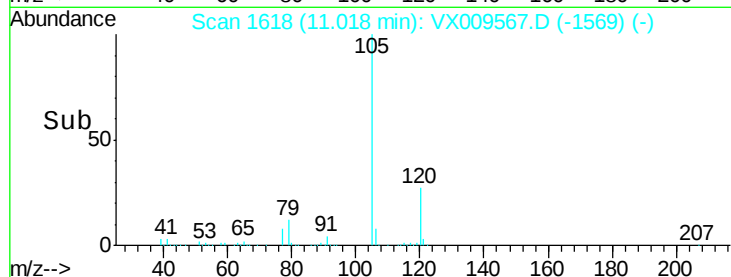
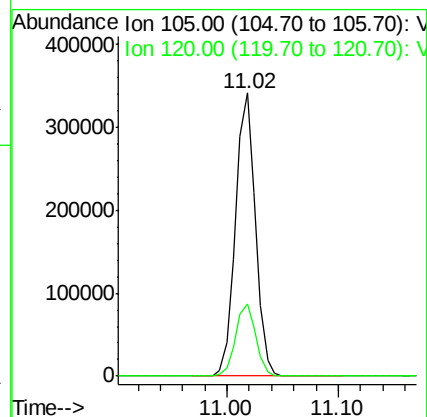
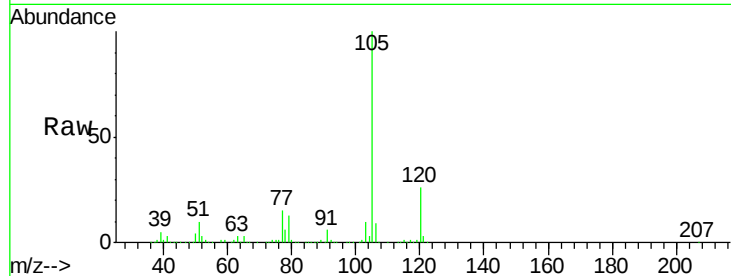
120 25.9 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.919 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Tgt Ion: 43 Resp: 249493

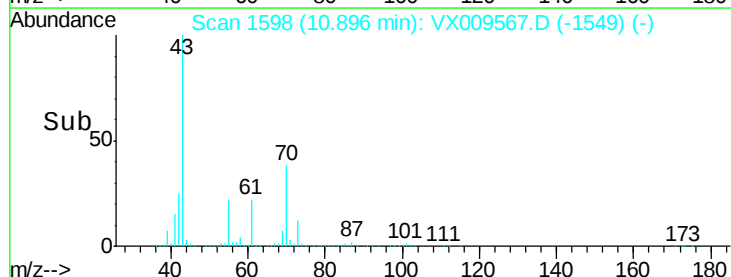
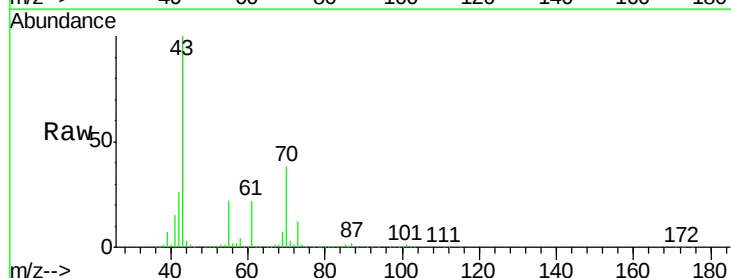
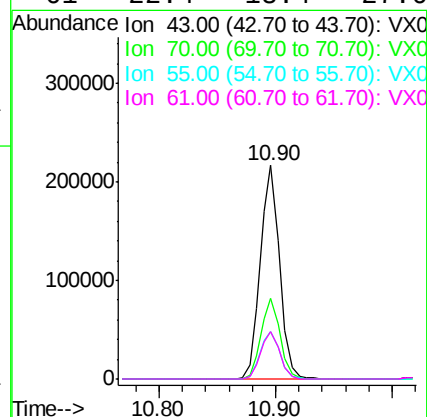
Ion Ratio Lower Upper

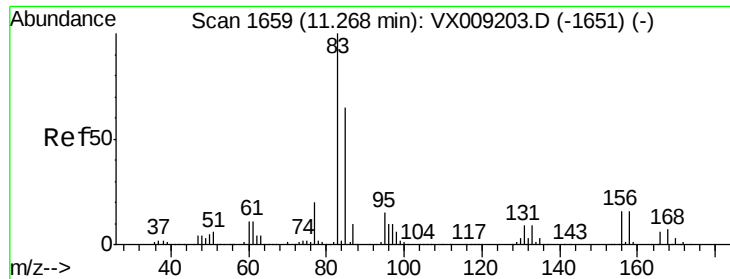
43 100

70 37.5 30.0 45.0

55 22.9 17.9 26.9

61 22.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.744 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

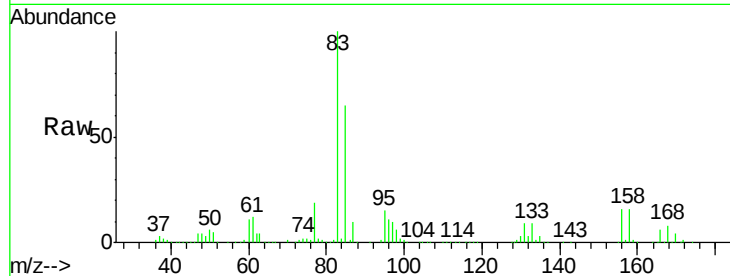
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	155846
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	63.9	32.0	96.2

Manual Integrations
APPROVED

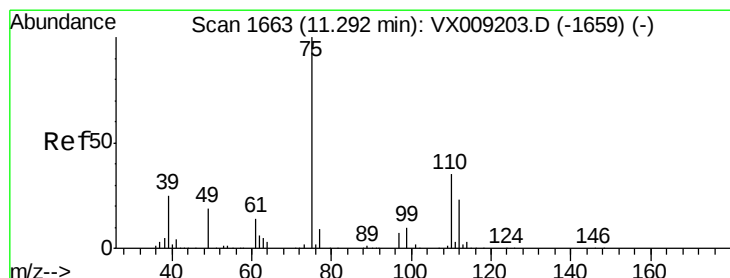
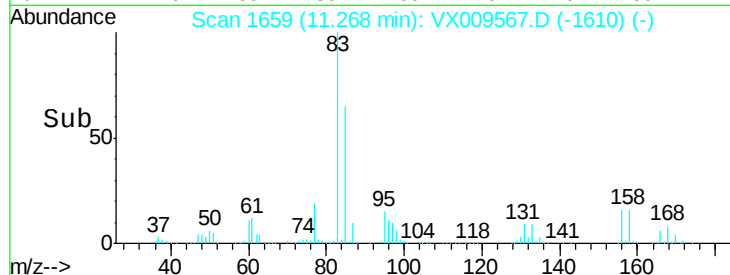
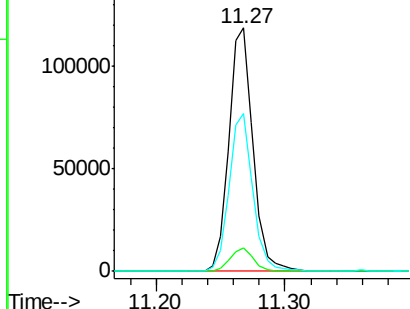
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.642 ug/l m

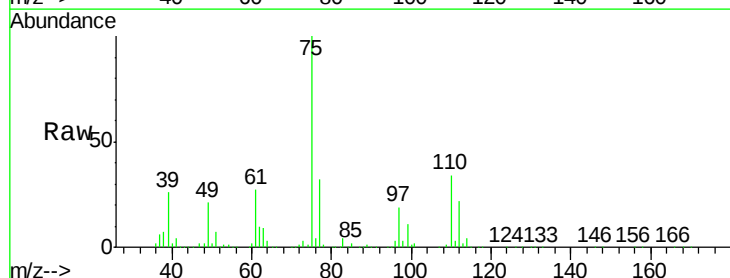
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009567.D

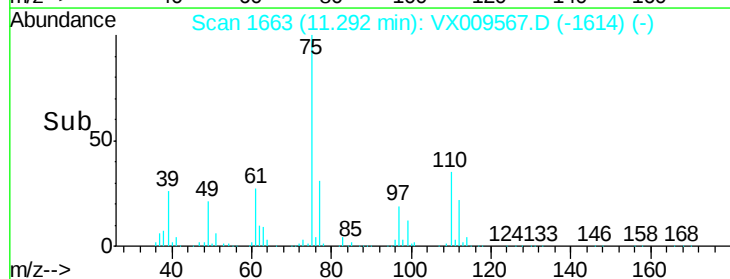
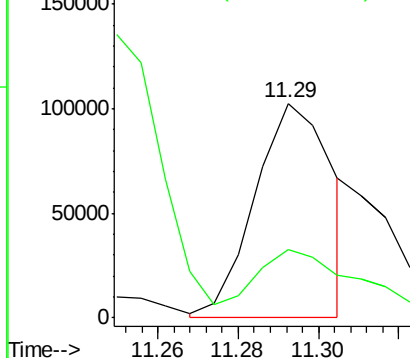
Acq: 14 May 2019 17:31

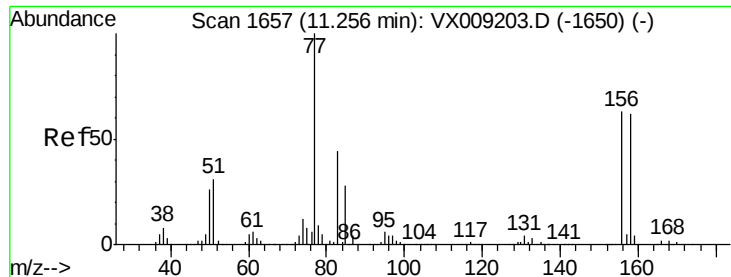
Tgt Ion:	75	Resp:	135765
Ion Ratio	Lower	Upper	
75	100		
77	43.4	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.582 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

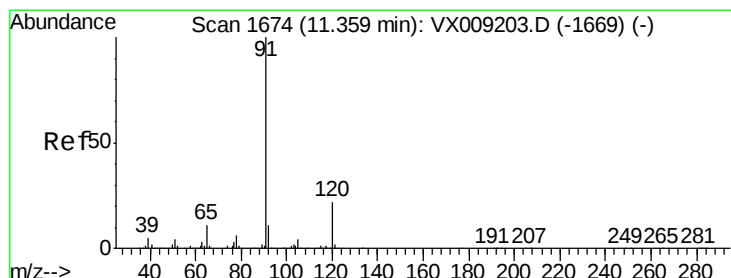
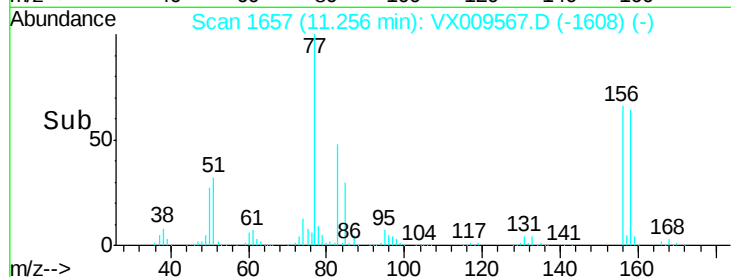
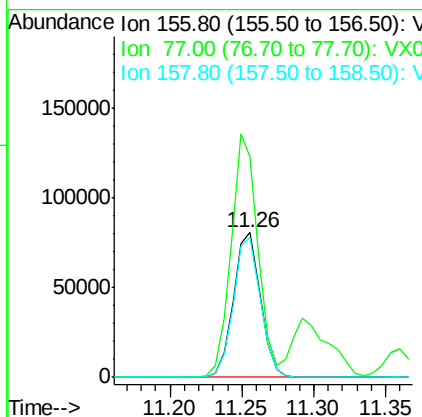
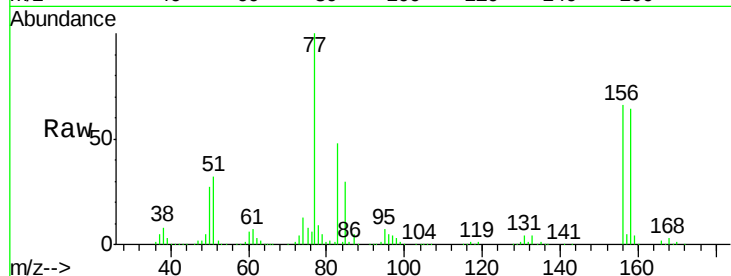
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	105513
Ion Ratio	Lower	Upper	
156	100		
77	166.6	84.8	254.3
158	96.9	49.1	147.3

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#78

n-propylbenzene

Concen: 51.039 ug/l

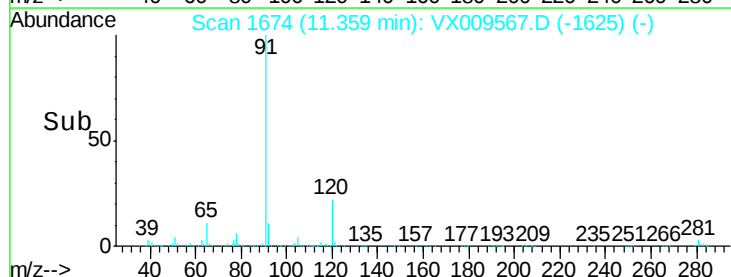
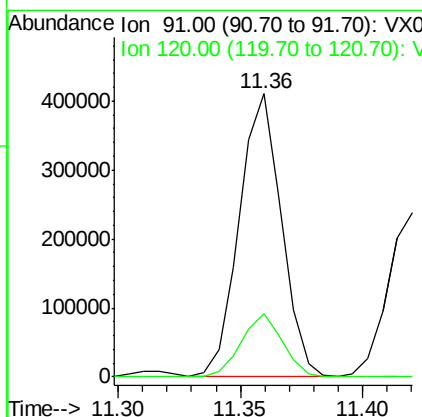
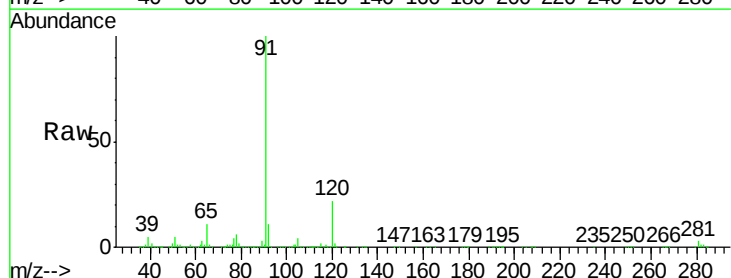
RT: 11.36 min Scan# 1674

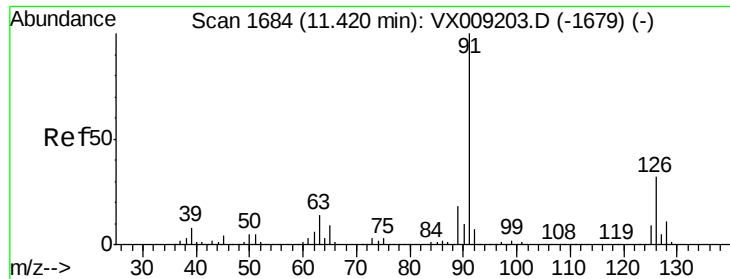
Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Tgt Ion:	91	Resp:	489877
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0





#79

2-Chlorotoluene

Concen: 49.072 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 290583

Ion Ratio Lower Upper

91 100

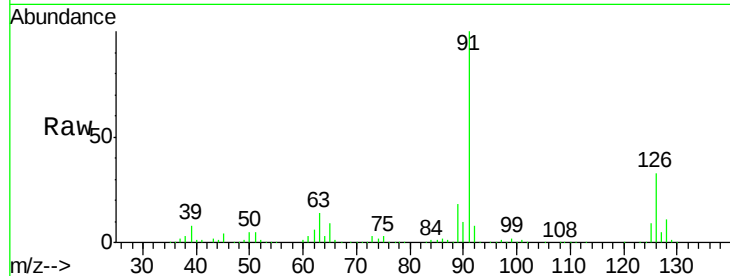
126 33.1 16.3 48.9

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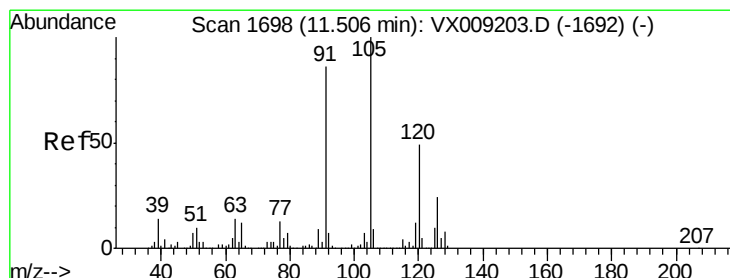
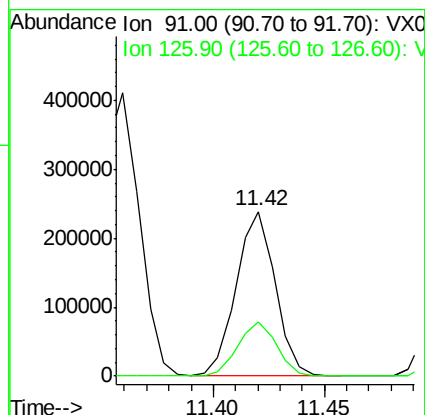
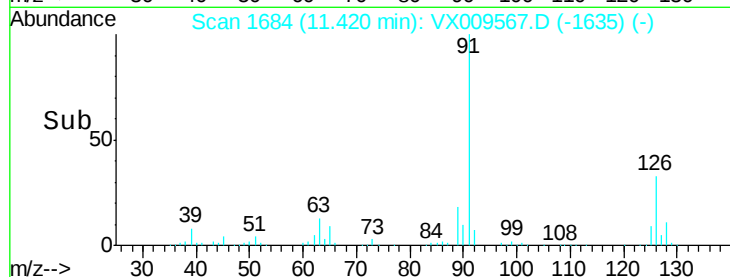
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Abundance Ion 91.00 (90.70 to 91.70): VX009567.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009567.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.677 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009567.D

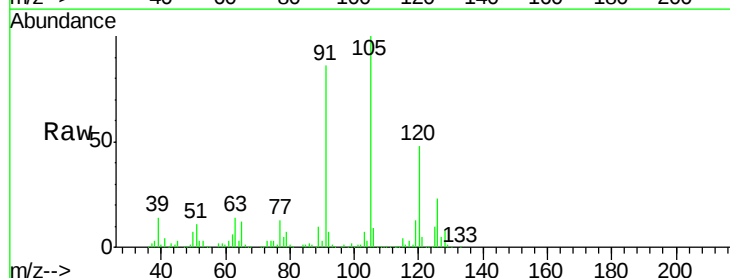
Acq: 14 May 2019 17:31

Tgt Ion:105 Resp: 358609

Ion Ratio Lower Upper

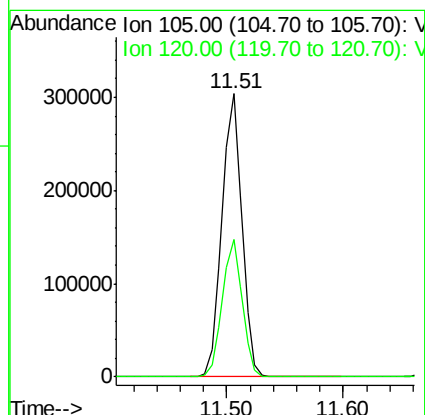
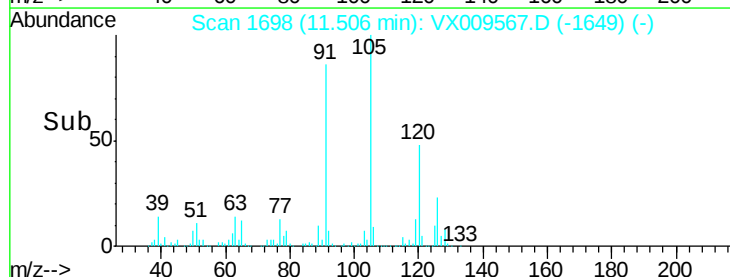
105 100

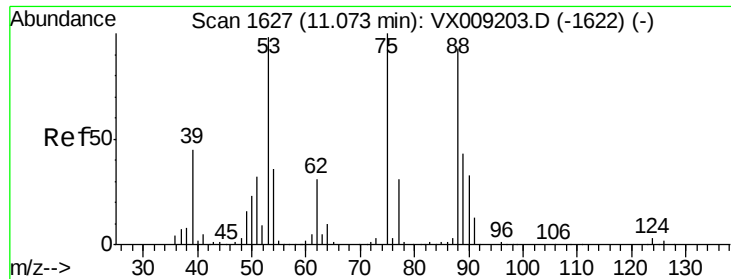
120 48.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009567.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009567.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.680 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 54148

Ion Ratio Lower Upper

75 100

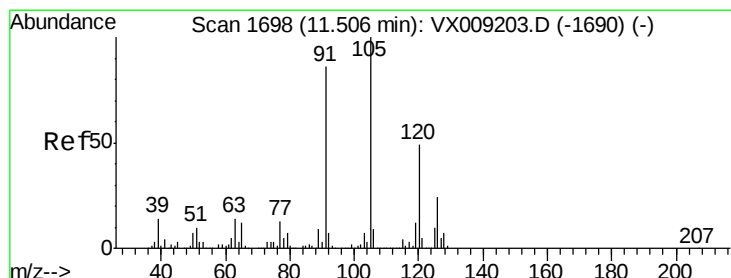
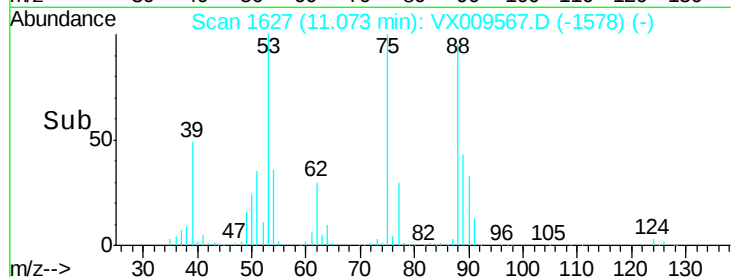
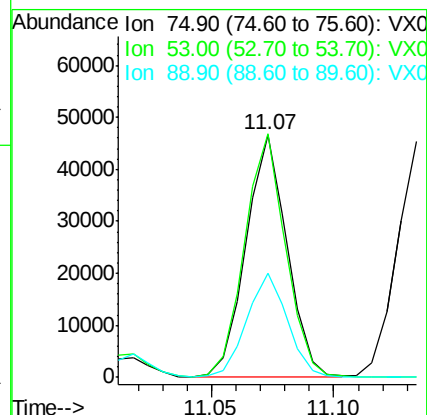
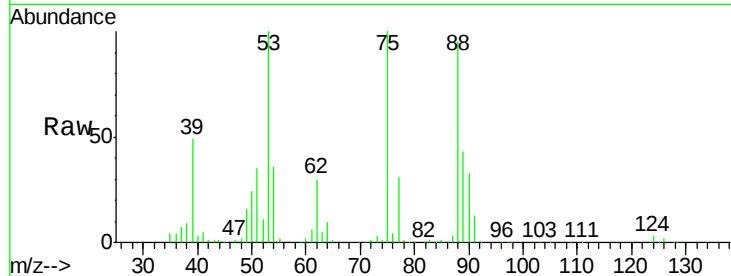
53 100.3 79.0 118.6

89 43.0 34.7 52.1

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#82

4-Chlorotoluene

Concen: 50.434 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009567.D

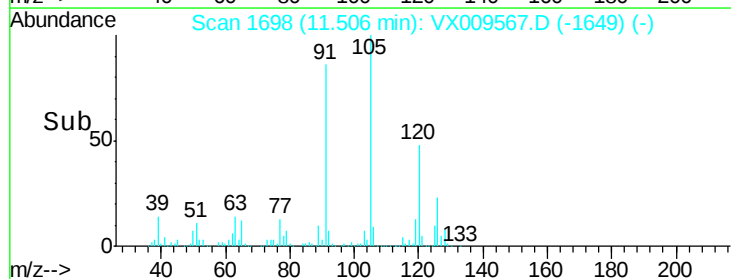
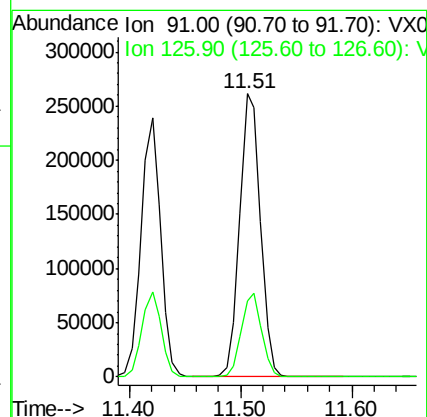
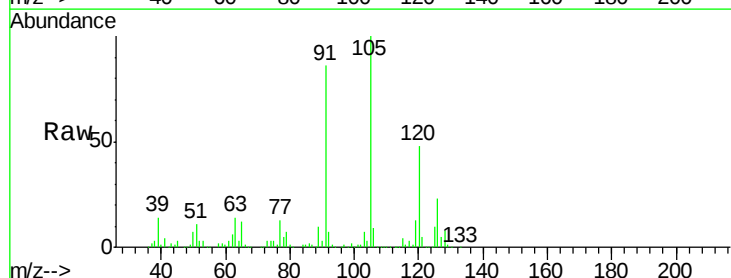
Acq: 14 May 2019 17:31

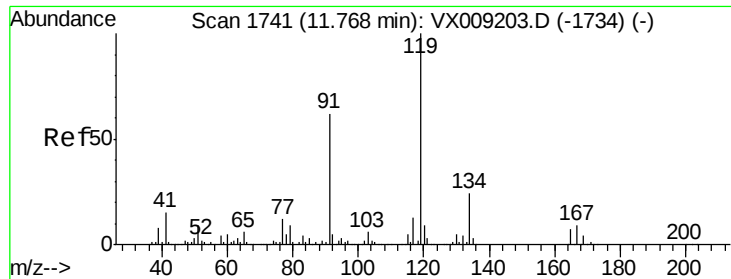
Tgt Ion: 91 Resp: 337387

Ion Ratio Lower Upper

91 100

126 28.6 14.5 43.6





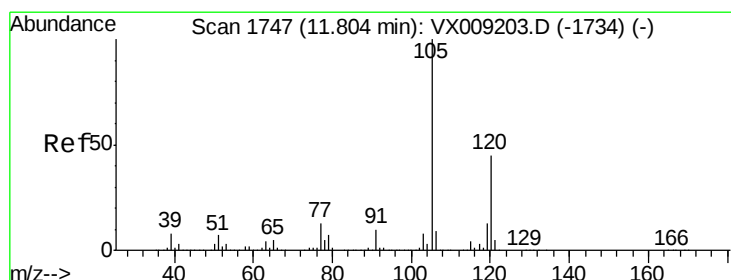
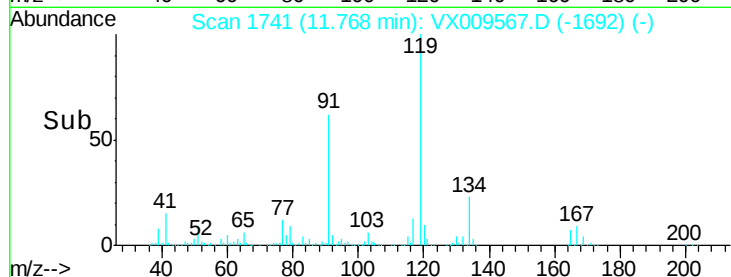
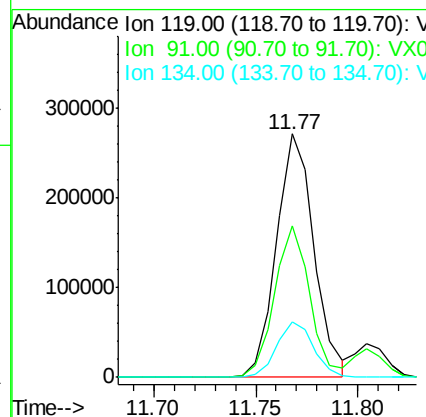
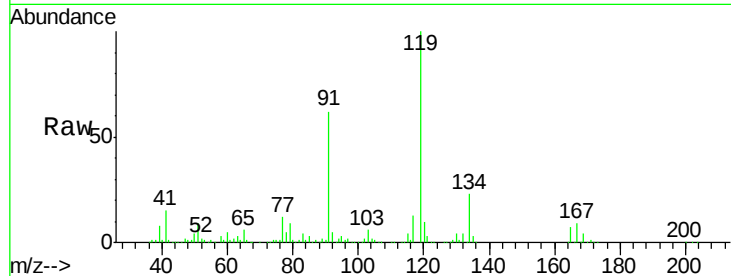
#83
tert-Butylbenzene
Concen: 50.639 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	348590		
91	58.3	29.5	88.5	
134	22.4	11.4	34.1	

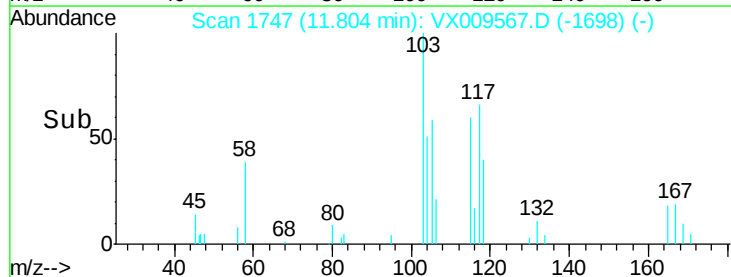
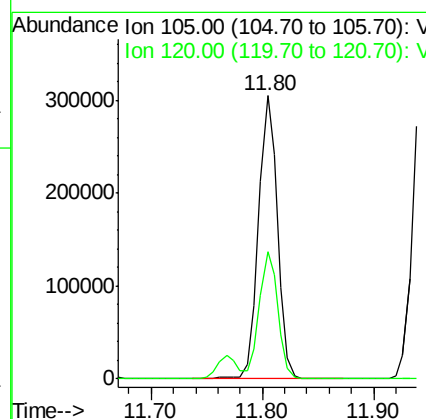
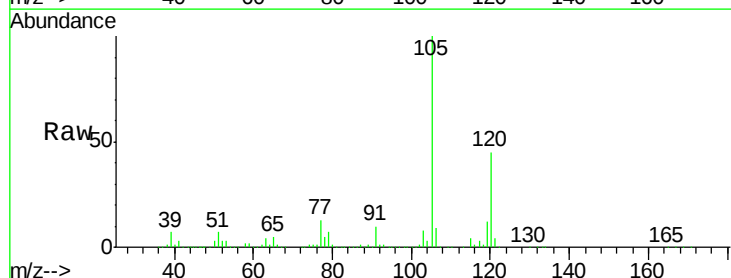
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 50.875 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	361363		
120	43.7	22.0	66.0	





#85

sec-Butylbenzene

Concen: 50.704 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 413816

Ion Ratio Lower Upper

105 100

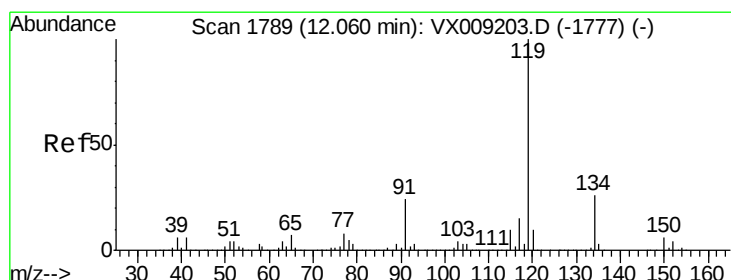
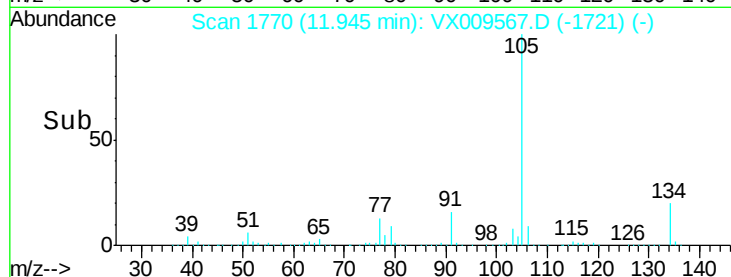
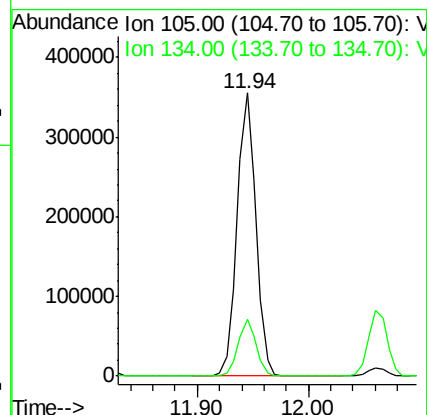
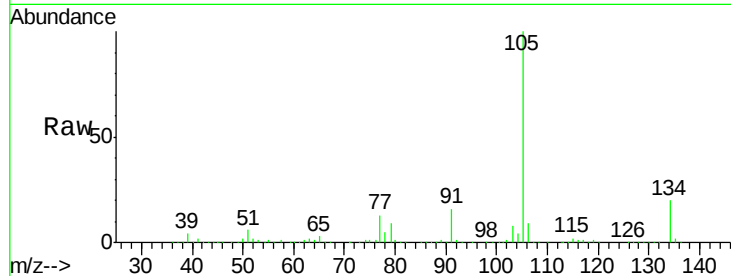
134 19.5 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.660 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

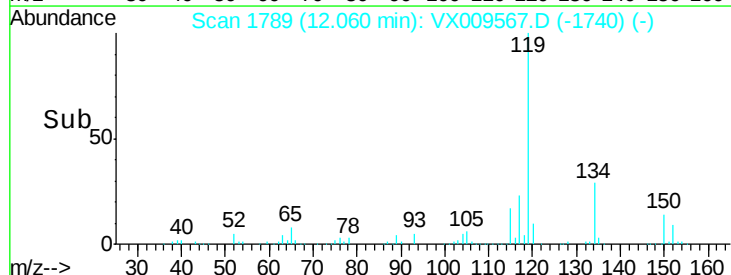
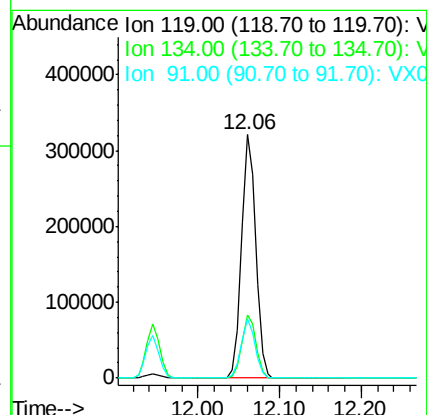
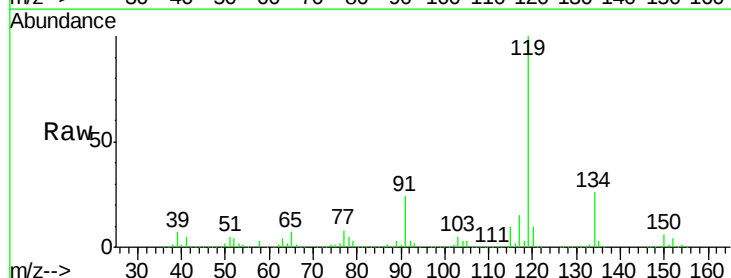
Tgt Ion:119 Resp: 379029

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 23.9 11.8 35.4





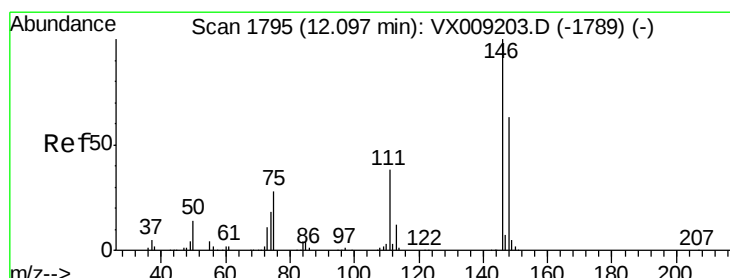
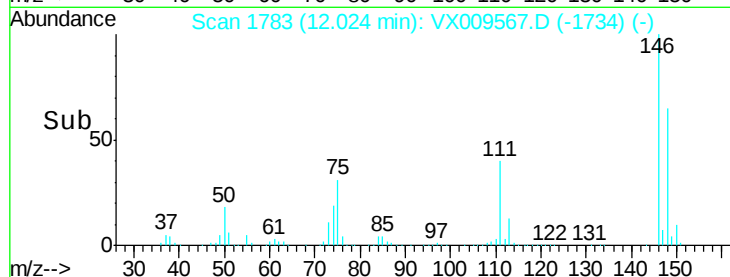
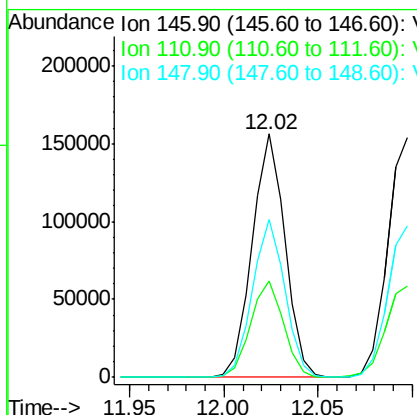
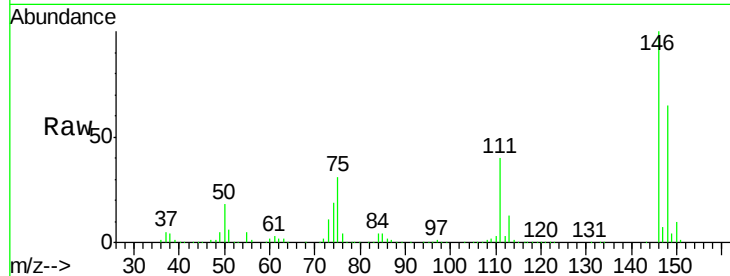
#87
 1,3-Dichlorobenzene
 Concen: 50.659 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.2	31.8	95.3

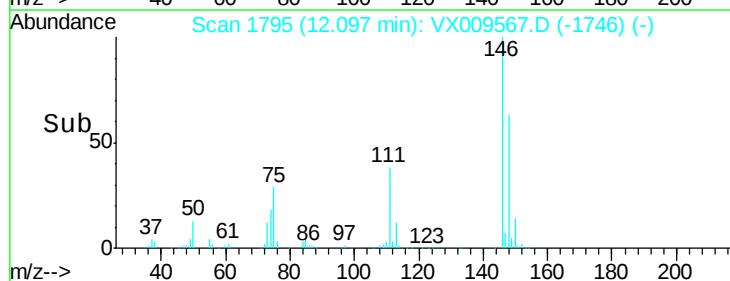
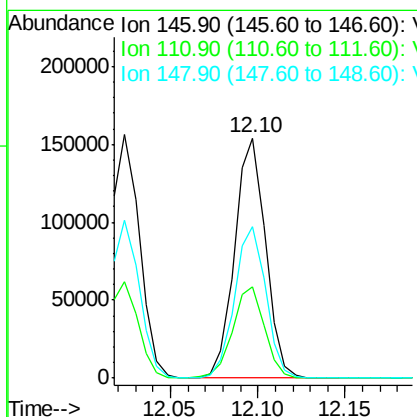
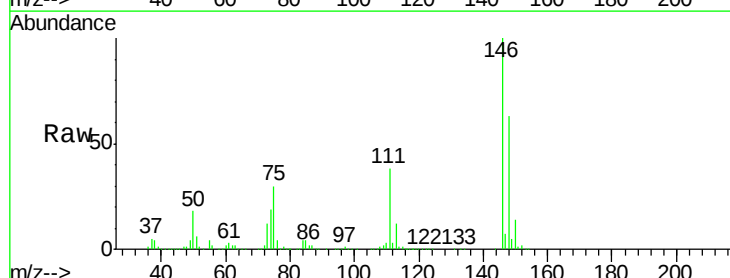
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#88
 1,4-Dichlorobenzene
 Concen: 50.257 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	64.0	31.8	95.3





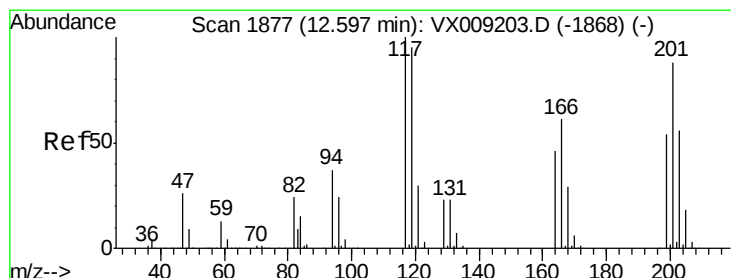
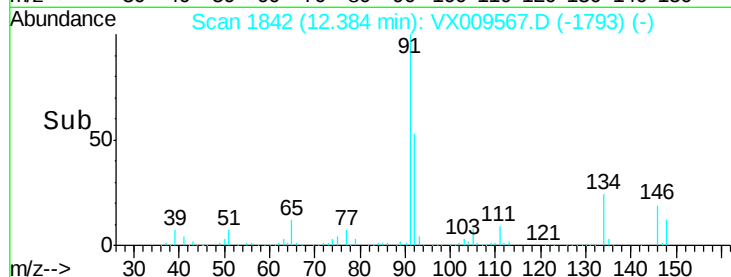
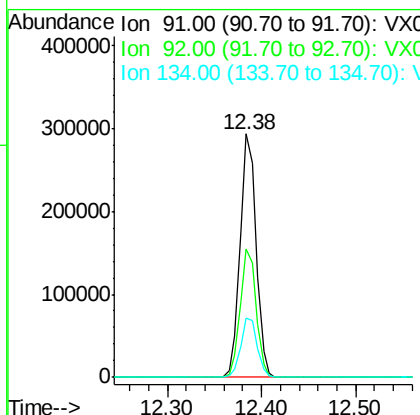
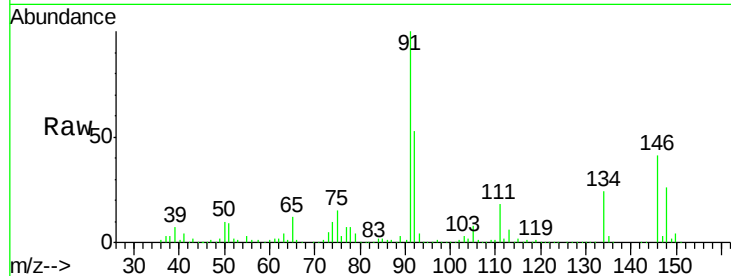
#89
n-Butylbenzene
Concen: 52.225 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	24.9	12.4	37.2

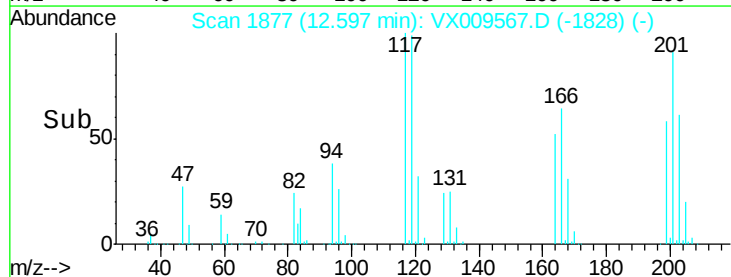
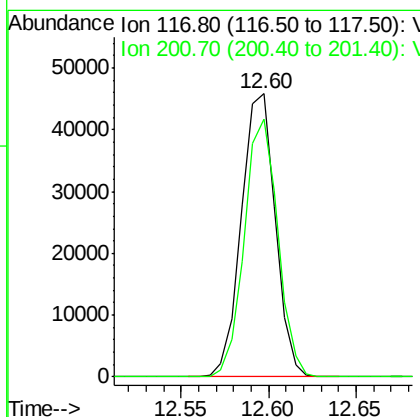
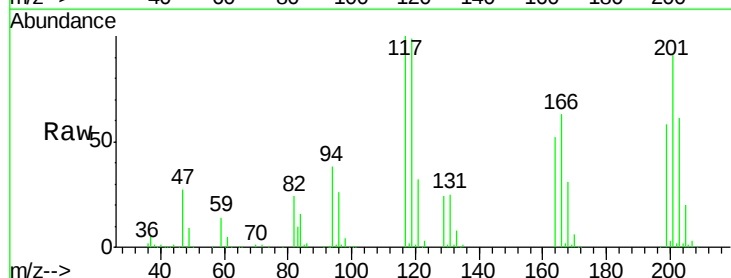
Manual Integrations
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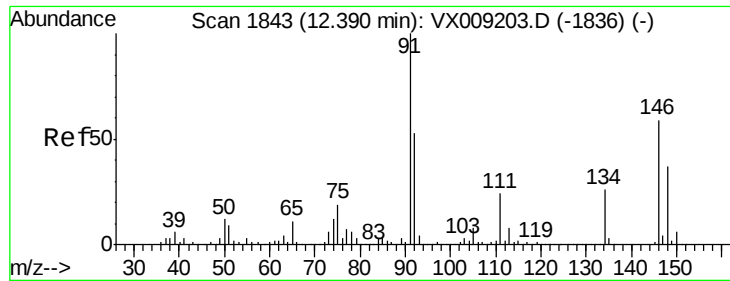
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#90
Hexachloroethane
Concen: 49.476 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.6	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 50.248 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Instrument :

MSVOA_X

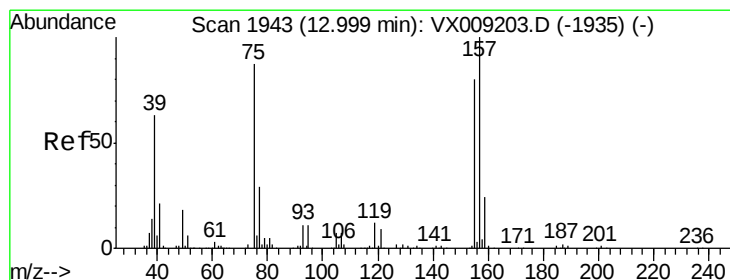
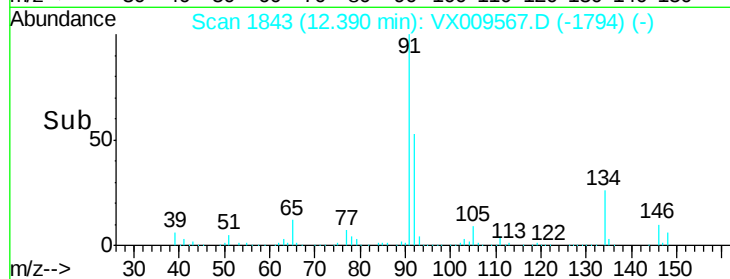
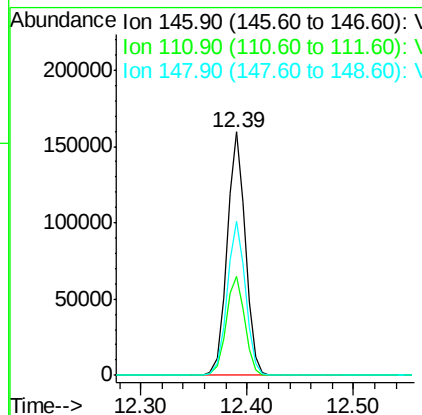
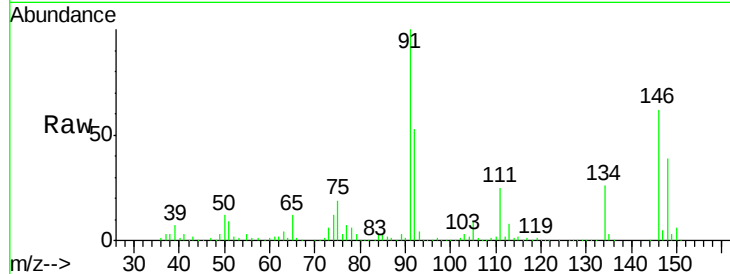
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	190320
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.8	62.4
148	63.6	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.575 ug/l

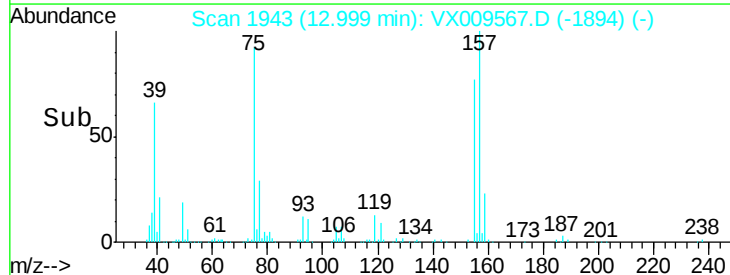
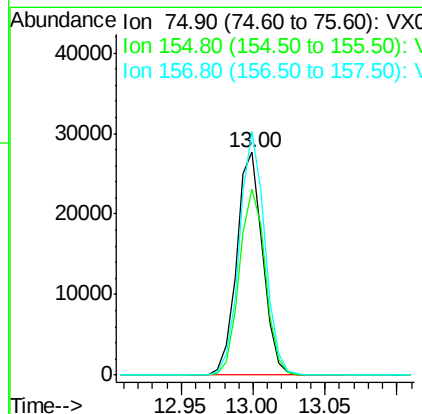
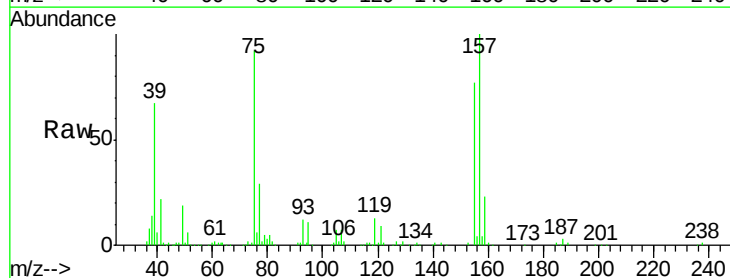
RT: 13.00 min Scan# 1943

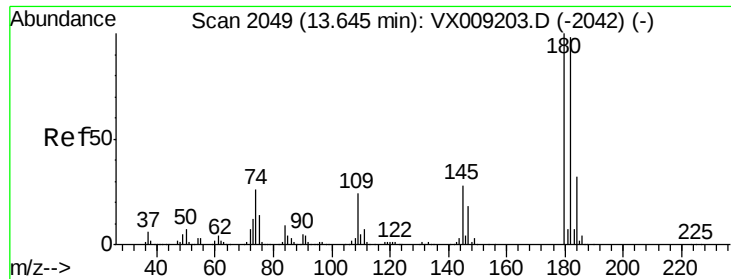
Delta R.T. 0.00 min

Lab File: VX009567.D

Acq: 14 May 2019 17:31

Tgt Ion:	75	Resp:	34842
Ion Ratio	Lower	Upper	
75	100		
155	83.0	42.0	126.0
157	106.0	53.2	159.6





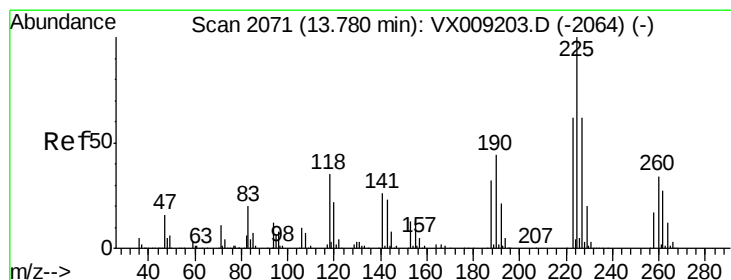
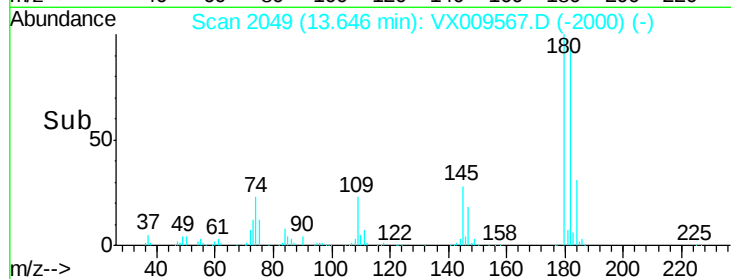
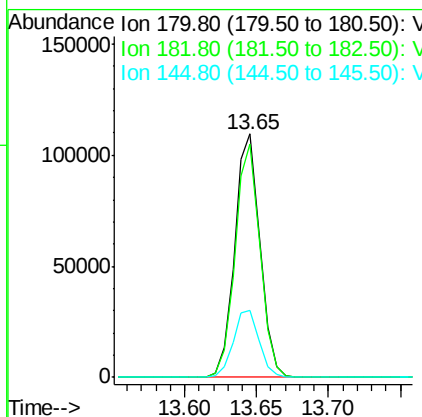
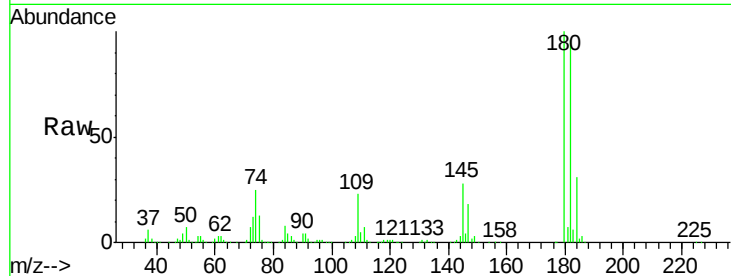
#93
 1,2,4-Trichlorobenzene
 Concen: 51.785 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	134127		
182	94.8	48.4	145.2	
145	28.4	14.6	43.8	

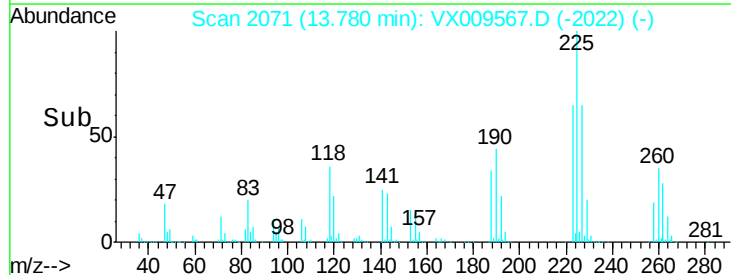
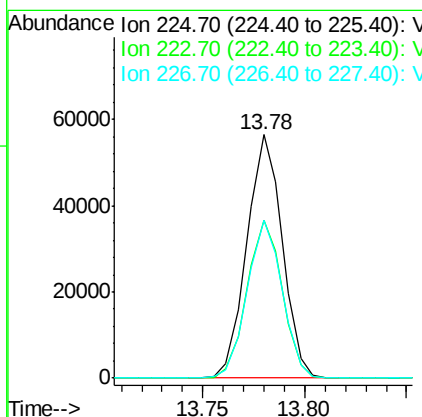
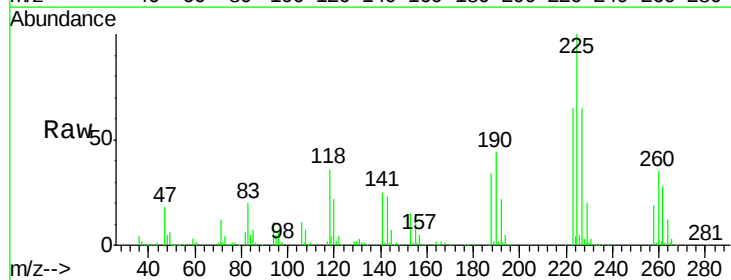
Manual Integrations
 APPROVED

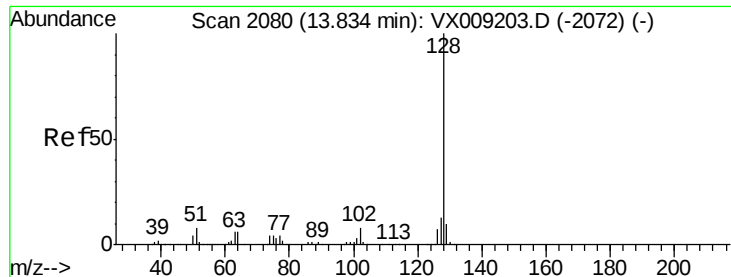
MMDadoda
 5/15/2019 12:25:56 PM



#94
 Hexachlorobutadiene
 Concen: 51.489 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009567.D
 Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68102		
223	64.7	31.3	93.8	
227	64.1	31.8	95.3	





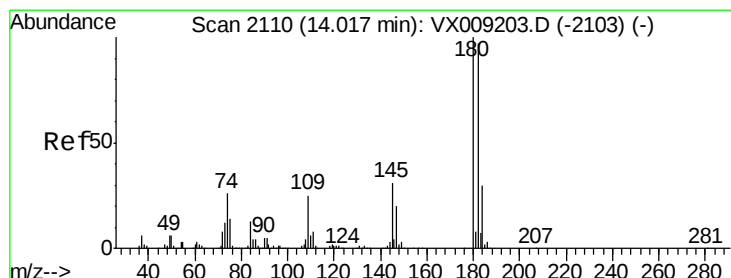
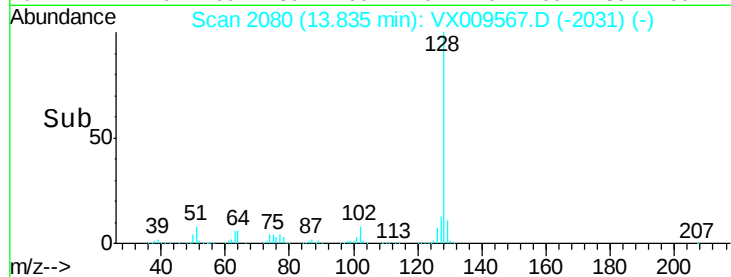
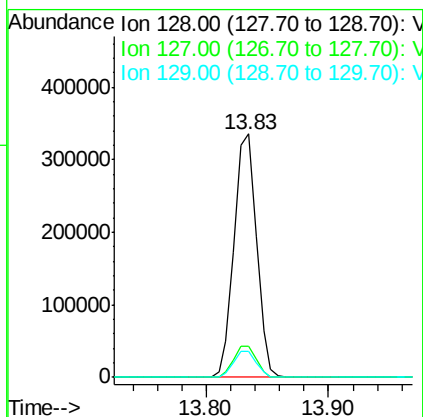
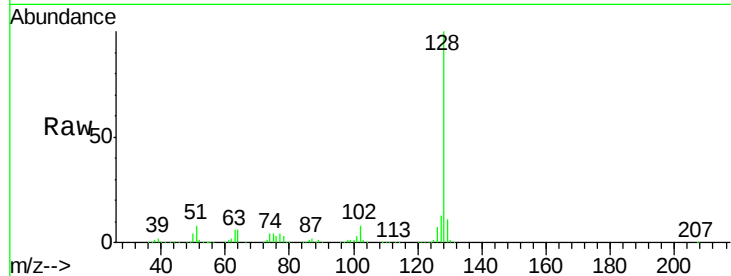
#95
Naphthalene
Concen: 50.431 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/15/2019 12:25:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.947 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009567.D
Acq: 14 May 2019 17:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.4
145	30.7	15.4	46.4

