

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050719\
 Data File : VX009387.D
 Acq On : 07 May 2019 19:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 08 02:17:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 08:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	163224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	265616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	240370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110172	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	5.50	113	83102	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	8.71	98	335625	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.13	95	123176	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68045	45.239	ug/l	99
3) Chloromethane	1.32	50	78858	38.401	ug/l	100
4) Vinyl Chloride	1.40	62	89747	44.819	ug/l	98
5) Bromomethane	1.64	94	39060	32.499	ug/l	94
6) Chloroethane	1.71	64	65283	50.778	ug/l	100
7) Trichlorofluoromethane	1.92	101	119359	49.036	ug/l	99
8) Diethyl Ether	2.19	74	56239	48.777	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74622	48.819	ug/l	97
10) Methyl Iodide	2.50	142	47762	29.016	ug/l	99
11) Tert butyl alcohol	3.06	59	147397	285.778	ug/l	100
12) 1,1-Dichloroethene	2.37	96	72585	47.394	ug/l	97
13) Acrolein	2.29	56	88403	189.259	ug/l	99
14) Allyl chloride	2.72	41	175628	47.056	ug/l	100
15) Acrylonitrile	3.15	53	331030	262.492	ug/l	100
16) Acetone	2.45	43	297170	248.375	ug/l	99
17) Carbon Disulfide	2.56	76	184715	42.959	ug/l	99
18) Methyl Acetate	2.78	43	148511	52.193	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	297456	50.016	ug/l	98
20) Methylene Chloride	2.85	84	89372	46.134	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	78050	46.992	ug/l	99
22) Diisopropyl ether	3.86	45	351915	49.029	ug/l	94
23) Vinyl Acetate	3.82	43	1581338	257.283	ug/l	100
24) 1,1-Dichloroethane	3.70	63	171060	48.311	ug/l	99
25) 2-Butanone	4.68	43	497989	267.843	ug/l	100
26) 2,2-Dichloropropane	4.58	77	115366	43.773	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	95508	48.175	ug/l	99
28) Bromochloromethane	5.01	49	67643	47.310	ug/l	100
29) Tetrahydrofuran	5.13	42	326612	272.990	ug/l	100
30) Chloroform	5.21	83	158854	49.604	ug/l	98
31) Cyclohexane	5.58	56	156118	47.391	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	130606	48.991	ug/l	99
36) 1,1-Dichloropropene	5.80	75	115400	46.751	ug/l	99
37) Ethyl Acetate	4.84	43	182101	52.948	ug/l	99
38) Carbon Tetrachloride	5.79	117	108884	48.550	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	143158	47.225	ug/l	100
40) Benzene	6.14	78	363247	47.550	ug/l	100
41) Methacrylonitrile	5.04	41	101279	49.470	ug/l	98
42) 1,2-Dichloroethane	6.20	62	133832	48.838	ug/l	99
43) Isopropyl Acetate	6.45	43	284558	51.726	ug/l	100
44) Trichloroethene	7.21	130	86880	47.043	ug/l	99
45) 1,2-Dichloropropane	7.51	63	105003	48.542	ug/l	99
46) Dibromomethane	7.66	93	59991	47.758	ug/l	98
47) Bromodichloromethane	7.90	83	125379	50.038	ug/l	97
48) Methyl methacrylate	7.77	41	143582	52.608	ug/l	99
49) 1,4-Dioxane	7.74	88	59621	1077.172	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	979184	272.320	ug/l	100
52) Toluene	8.79	92	221243	47.644	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	141213	49.917	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	153799	49.118	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	93251	49.222	ug/l	95
56) Ethyl methacrylate	9.18	69	176695	52.249	ug/l	99
57) 1,3-Dichloropropane	9.37	76	165762	49.721	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	463354	258.275	ug/l	99
59) 2-Hexanone	9.49	43	770628	272.883	ug/l	99
60) Dibromochloromethane	9.59	129	95648	51.692	ug/l	100
61) 1,2-Dibromoethane	9.67	107	94917	49.633	ug/l	99
64) Tetrachloroethene	9.34	164	76358	46.310	ug/l	98
65) Chlorobenzene	10.14	112	236335	49.150	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	88359	50.686	ug/l	98
67) Ethyl Benzene	10.25	91	431592	48.771	ug/l	100
68) m/p-Xylenes	10.36	106	318747	98.565	ug/l	100
69) o-Xylene	10.70	106	156144	48.937	ug/l	99
70) Styrene	10.71	104	280005	50.491	ug/l	100
71) Bromoform	10.85	173	74334	52.471	ug/l #	100
73) Isopropylbenzene	11.02	105	423361	48.706	ug/l	100
74) N-amyl acetate	10.90	43	262639	51.827	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	164669	50.819	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	191668	69.127	ug/l	82
77) Bromobenzene	11.26	156	105465	48.885	ug/l	99
78) n-propylbenzene	11.36	91	479329	48.286	ug/l	100
79) 2-Chlorotoluene	11.42	91	290337	47.407	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	356809	48.752	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52978	48.888	ug/l	99
82) 4-Chlorotoluene	11.51	91	334339	48.323	ug/l	100
83) tert-Butylbenzene	11.77	119	356019	50.005	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	355510	48.393	ug/l	100
85) sec-Butylbenzene	11.94	105	410822	48.670	ug/l	99
86) p-Isopropyltoluene	12.06	119	371932	49.013	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	187839	48.840	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	185452	47.828	ug/l	99
89) n-Butylbenzene	12.38	91	335142	48.864	ug/l	100
90) Hexachloroethane	12.60	117	63534	49.144	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	191540	48.896	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38669	53.198	ug/l	99

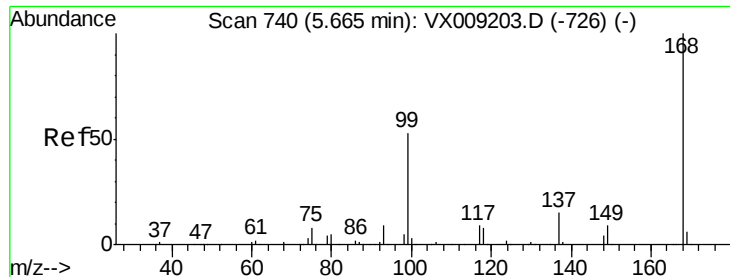
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QLast Update : Tue May 07 08:24:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	131968	49.264	ug/l	100
94) Hexachlorobutadiene	13.78	225	66854	48.871	ug/l	99
95) Naphthalene	13.83	128	451849	51.846	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	137603	50.675	ug/l	99

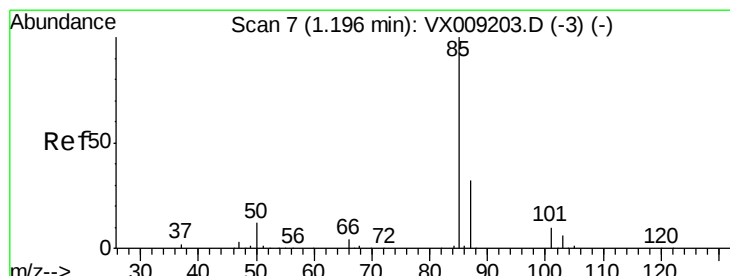
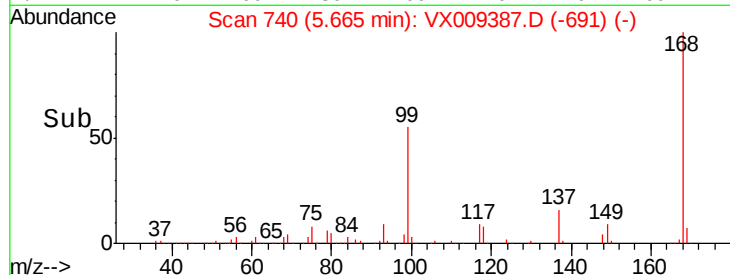
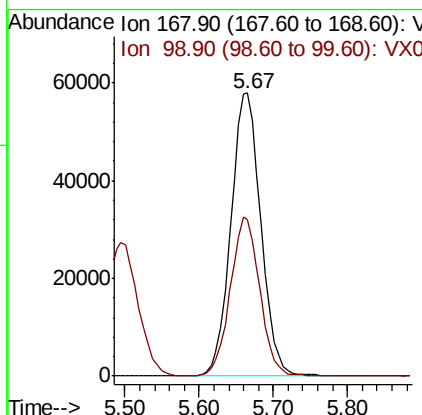
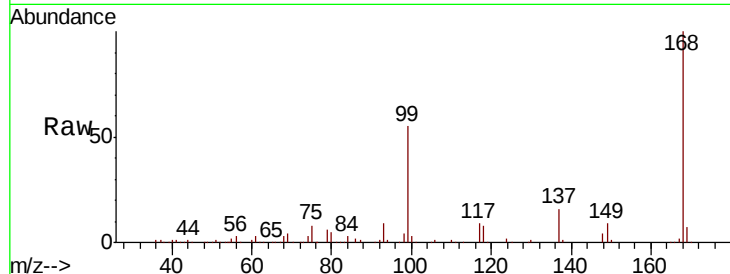
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

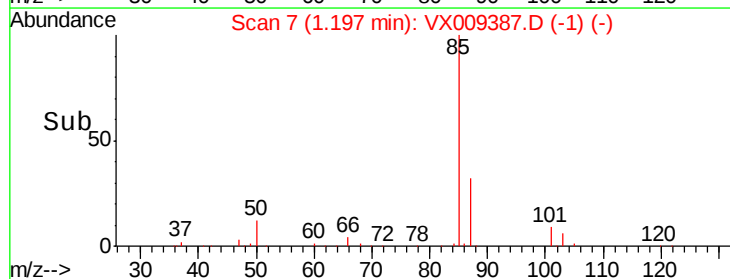
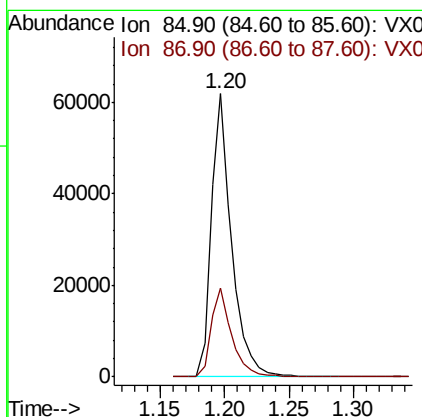
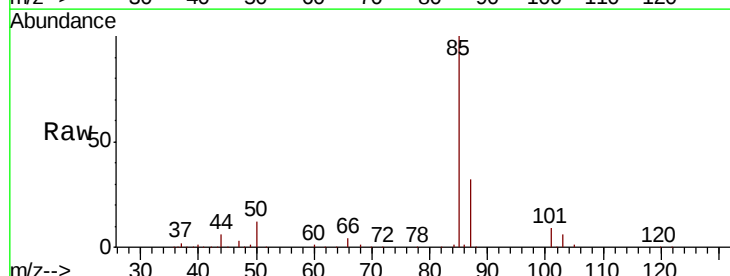
Instrument :
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VSTDCCC050EC

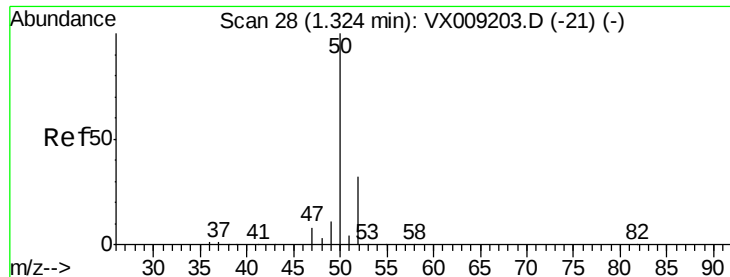
Tot Ion:168 Resp: 163224
Ion Ratio Lower Upper
168 100
99 55.0 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 45.239 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 85 Resp: 68045
Ion Ratio Lower Upper
85 100
87 31.6 16.1 48.3





#3

Chloromethane

Concen: 38.401 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

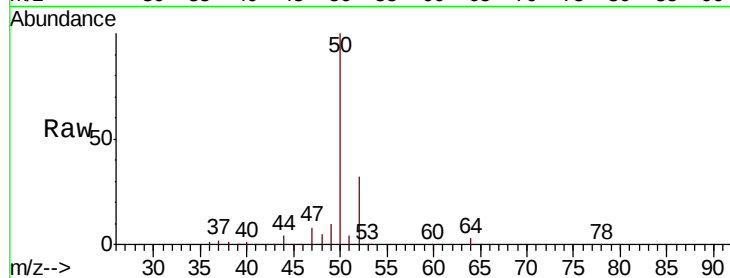
VSTDCCC050EC

Tot Ion: 50 Resp: 78858

Ion Ratio Lower Upper

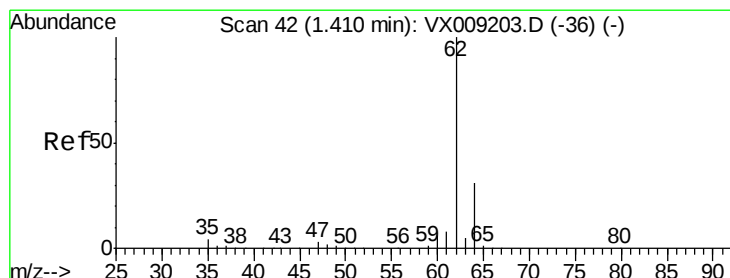
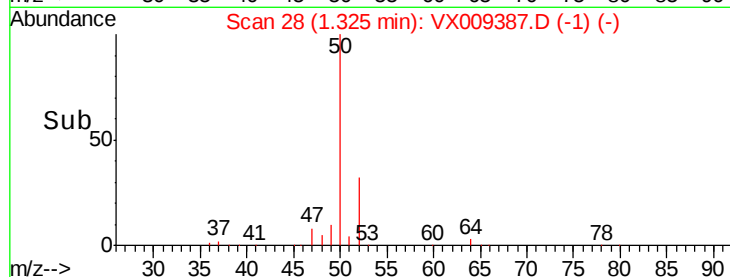
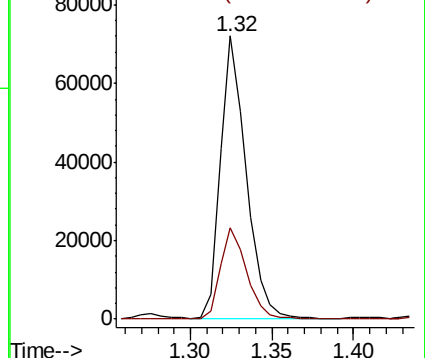
50 100

52 32.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.819 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009387.D

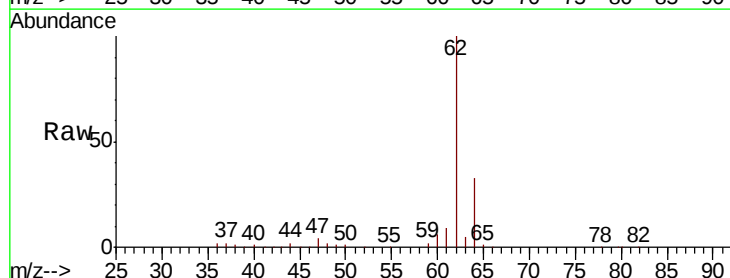
Acq: 07 May 2019 19:15

Tgt Ion: 62 Resp: 89747

Ion Ratio Lower Upper

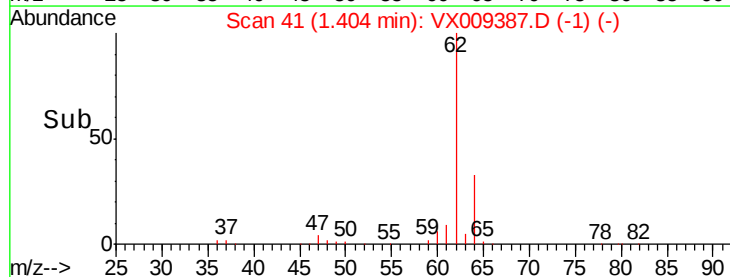
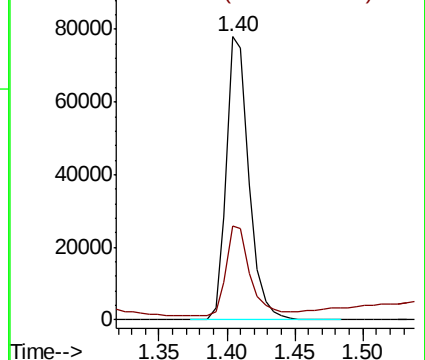
62 100

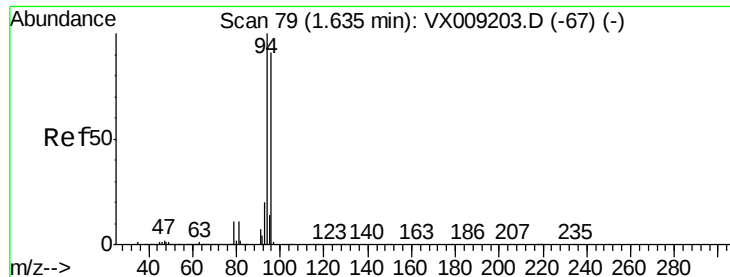
64 31.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 32.499 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

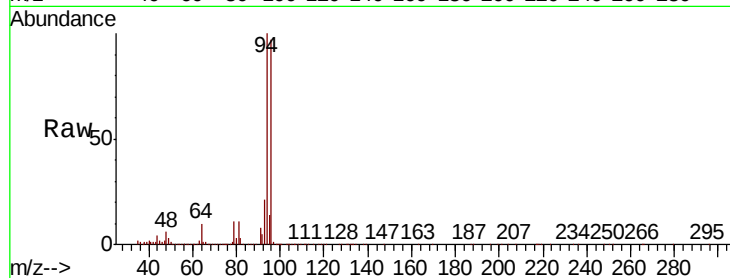
VSTDCCC050EC

Tot Ion: 94 Resp: 39060

Ion Ratio Lower Upper

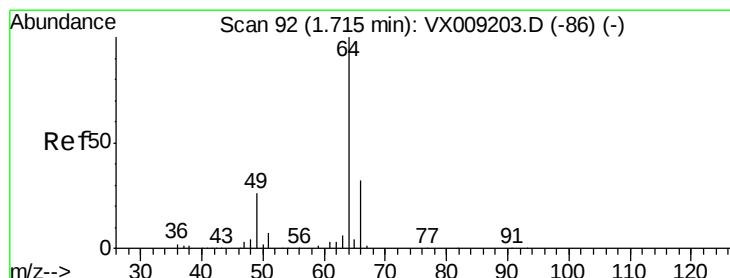
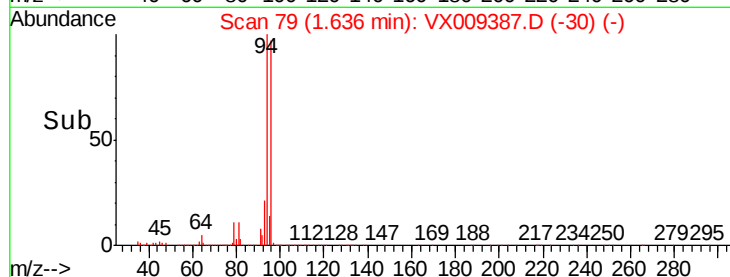
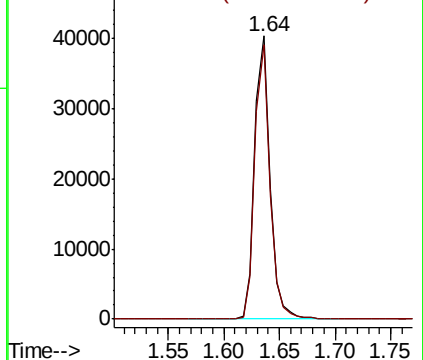
94 100

96 96.7 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.778 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009387.D

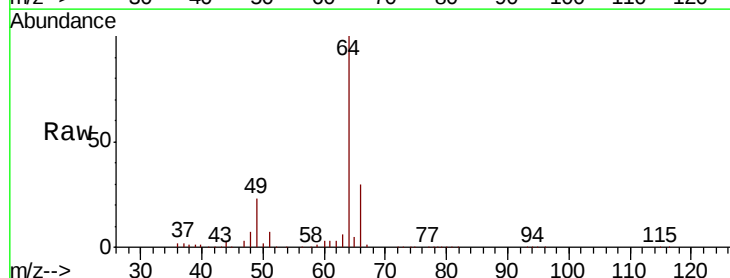
Acq: 07 May 2019 19:15

Tgt Ion: 64 Resp: 65283

Ion Ratio Lower Upper

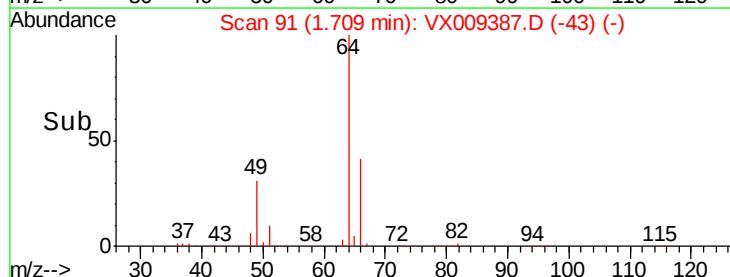
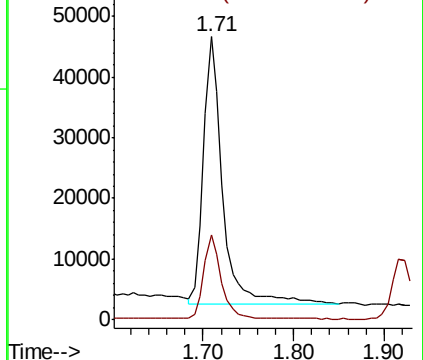
64 100

66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



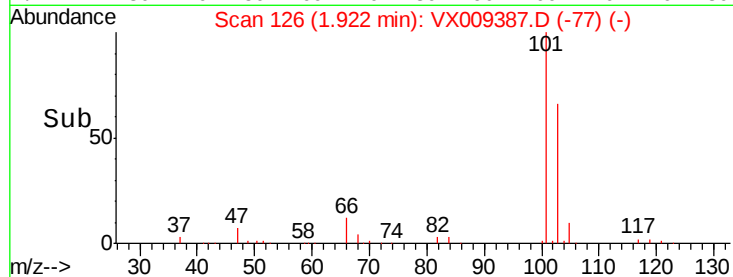
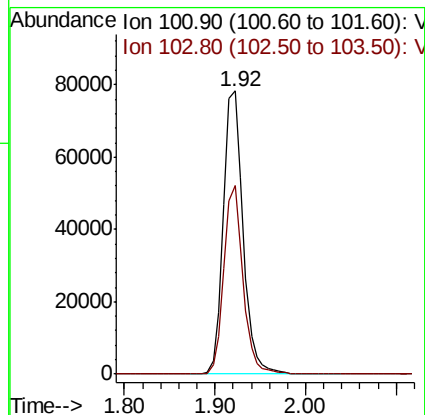
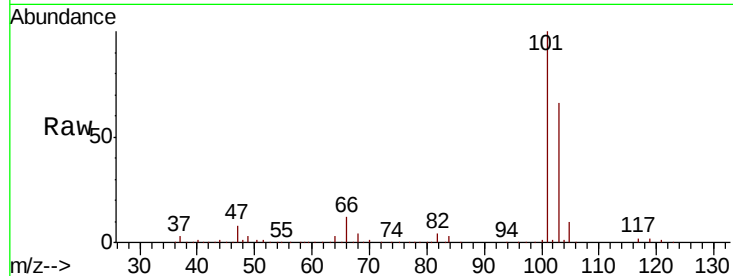


#7

Trichlorofluoromethane
 Concen: 49.036 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

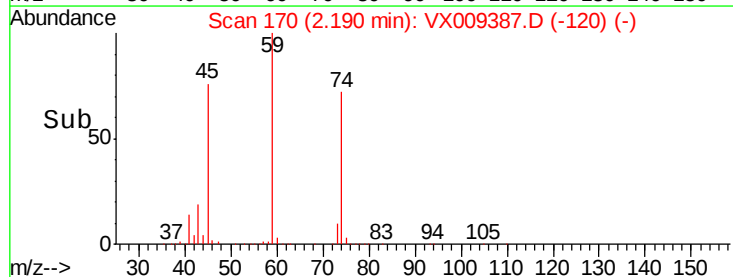
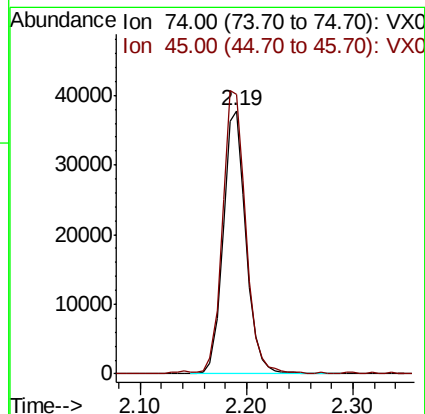
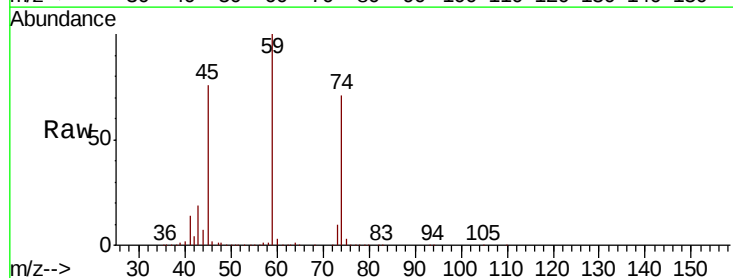
Tot Ion: 101 Resp: 119359
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.4 78.6

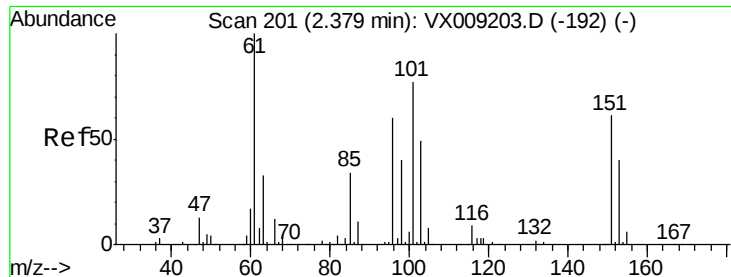


#8

Diethyl Ether
 Concen: 48.777 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Tgt Ion: 74 Resp: 56239
 Ion Ratio Lower Upper
 74 100
 45 108.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.819 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

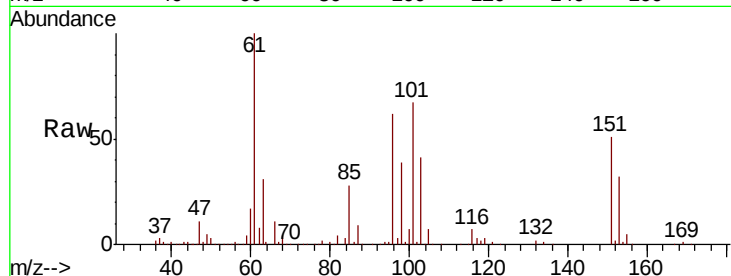
Tot Ion:101 Resp: 74622

Ion Ratio Lower Upper

101 100

85 43.8 35.7 53.5

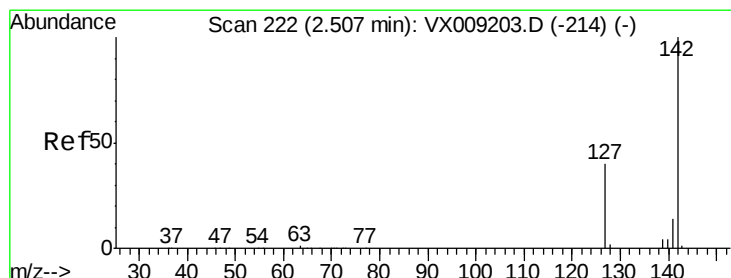
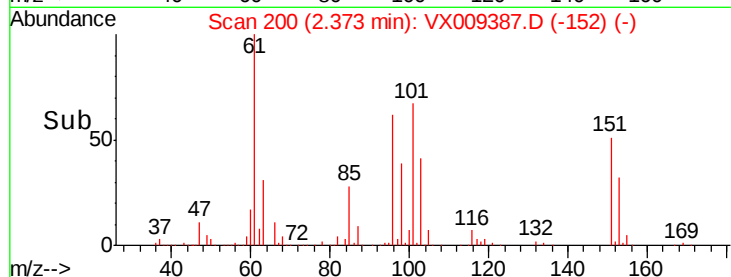
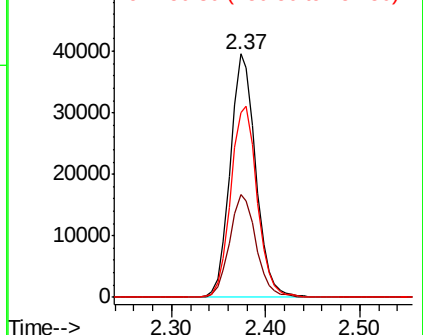
151 81.2 62.2 93.2



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: 29.016 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

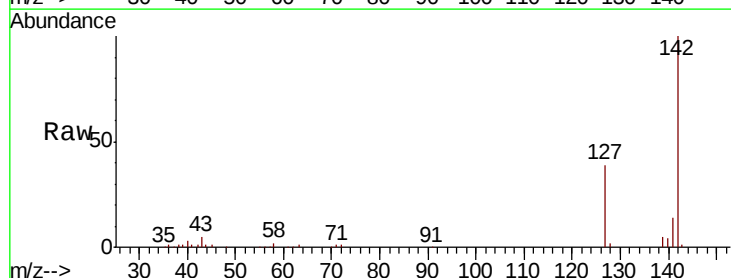
Tgt Ion:142 Resp: 47762

Ion Ratio Lower Upper

142 100

127 41.6 32.7 49.1

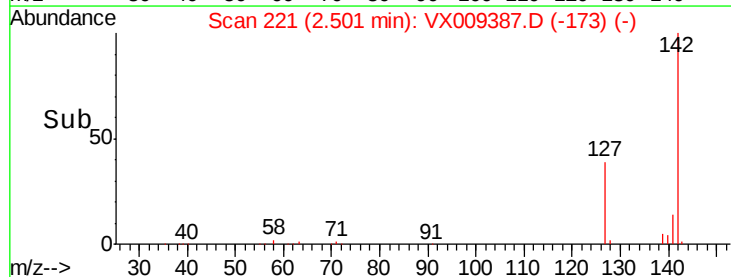
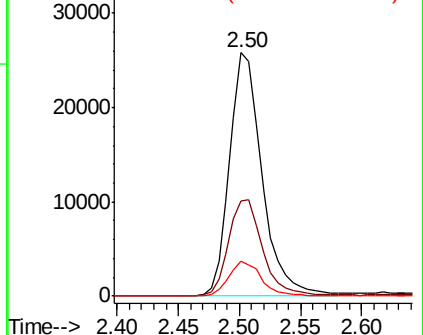
141 14.4 11.5 17.3

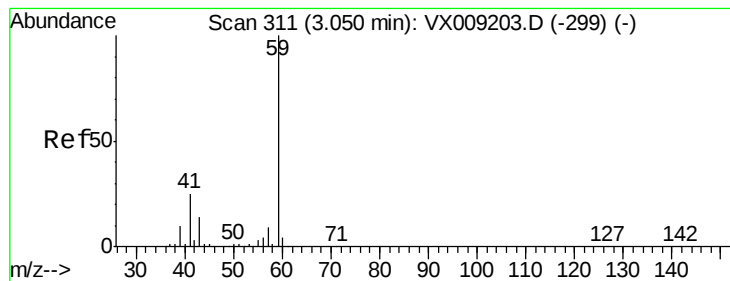


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



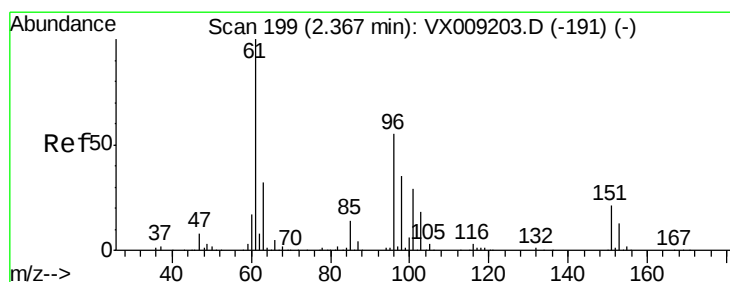
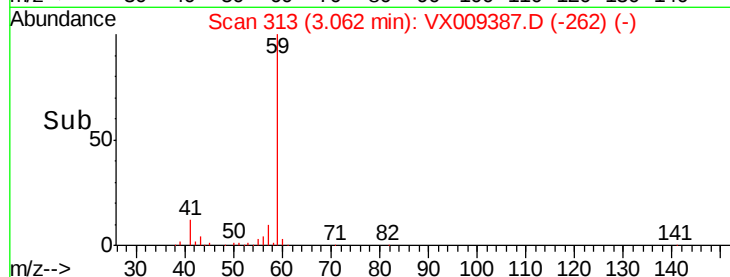
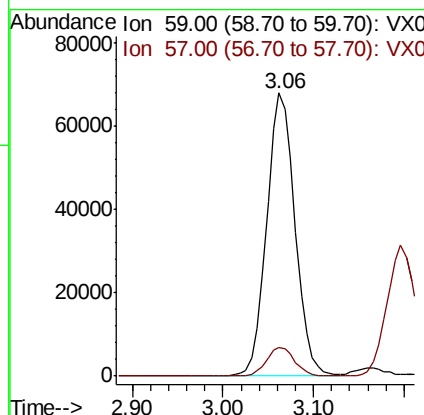
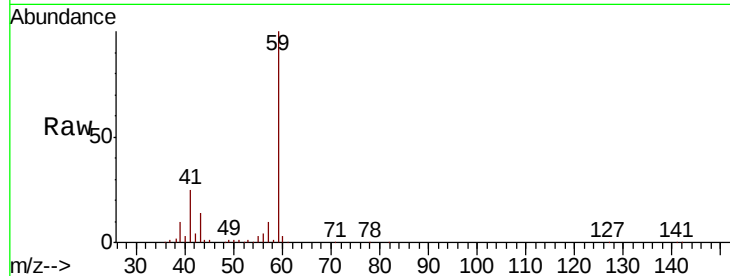


#11

Tert butyl alcohol
 Concen: 285.778 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. 0.01 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

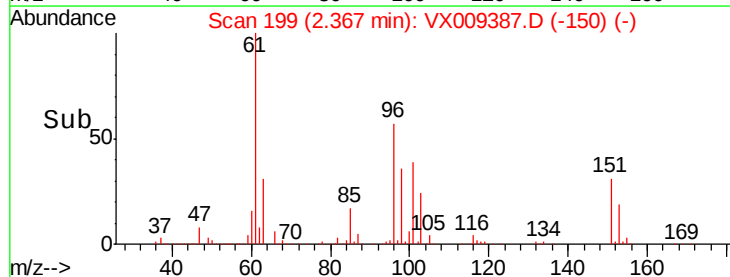
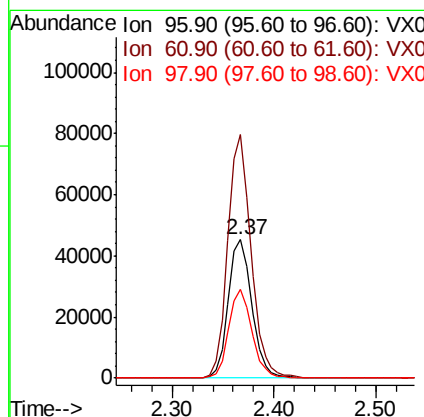
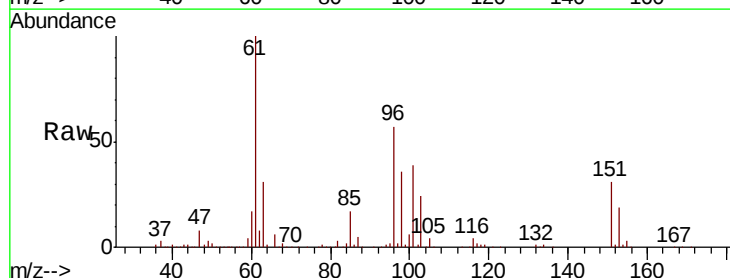
Tot Ion: 59 Resp: 147397
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2

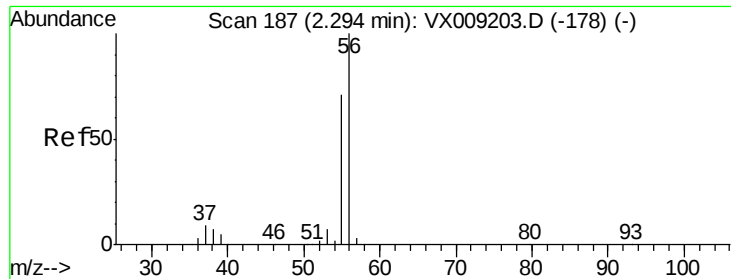


#12

1,1-Dichloroethene
 Concen: 47.394 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Tgt Ion: 96 Resp: 72585
 Ion Ratio Lower Upper
 96 100
 61 176.2 144.3 216.5
 98 63.9 50.3 75.5

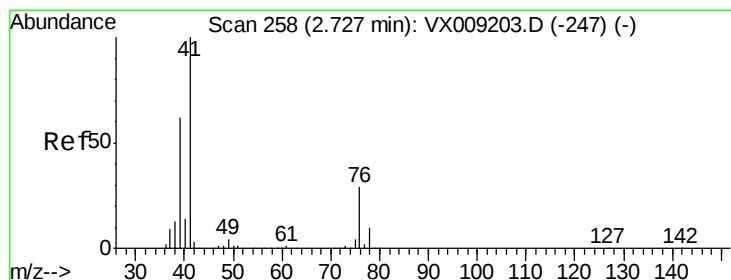
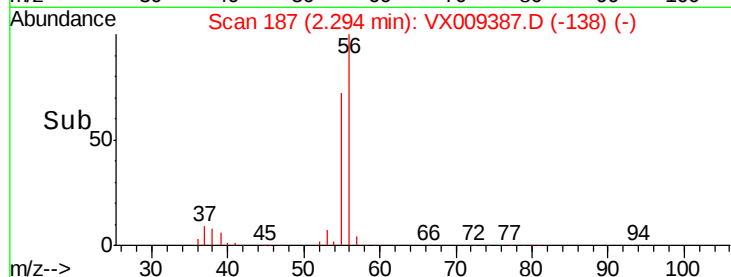
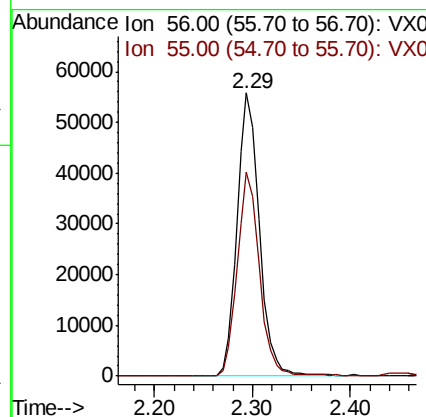
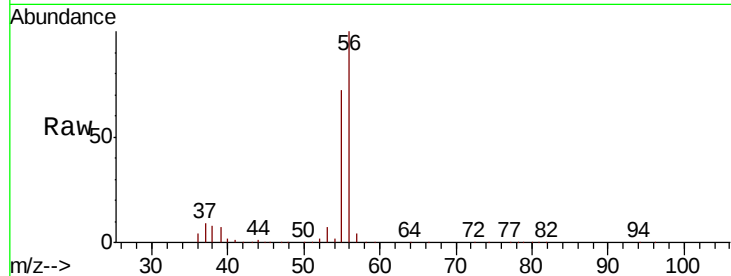




#13
Acrolein
Concen: 189.259 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

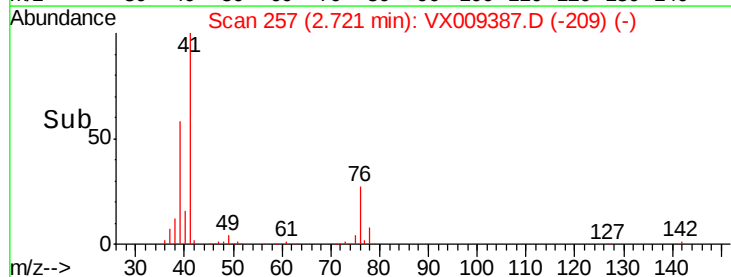
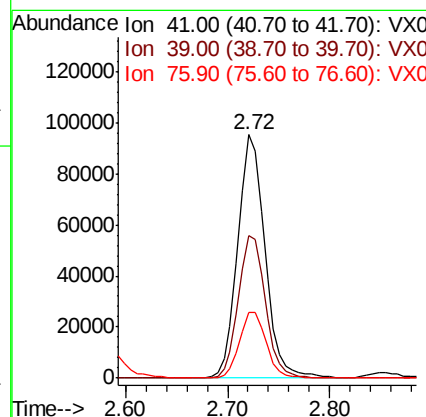
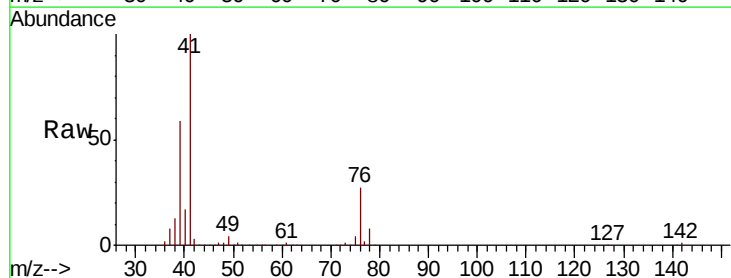
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 88403
Ion Ratio Lower Upper
56 100
55 71.6 56.6 85.0



#14
Allyl chloride
Concen: 47.056 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 41 Resp: 175628
Ion Ratio Lower Upper
41 100
39 58.3 46.7 70.1
76 26.8 21.8 32.8





#15

Acrylonitrile

Concen: 262.492 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

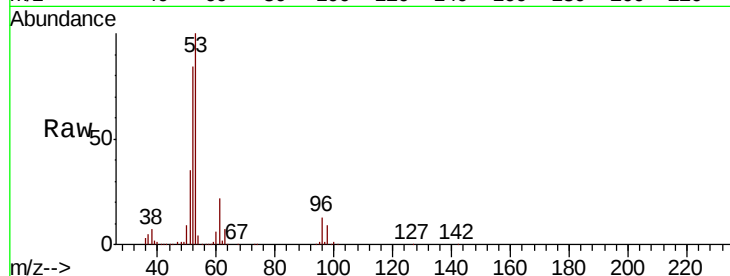
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 331030

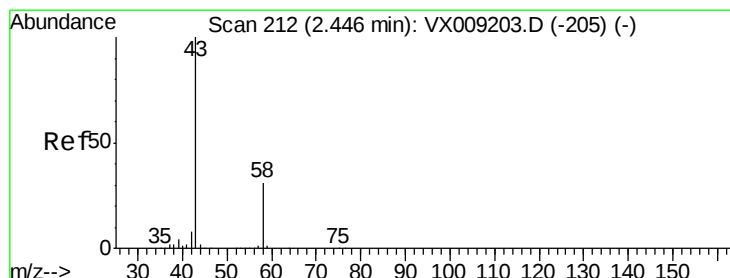
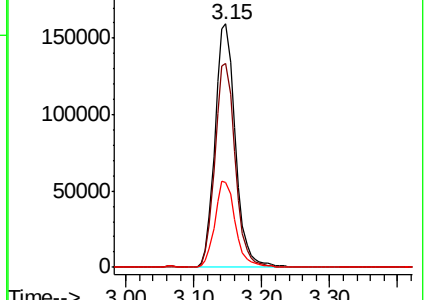
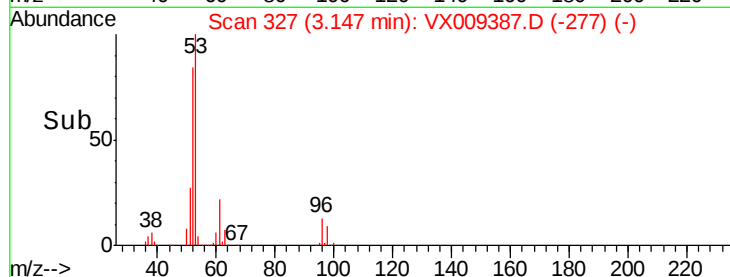
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.9	100.3
51	35.8	28.2	42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 248.375 ug/l

RT: 2.45 min Scan# 212

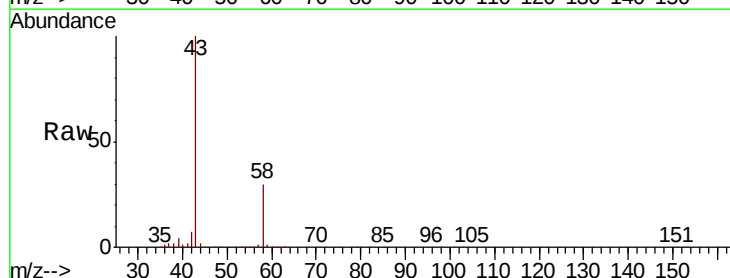
Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

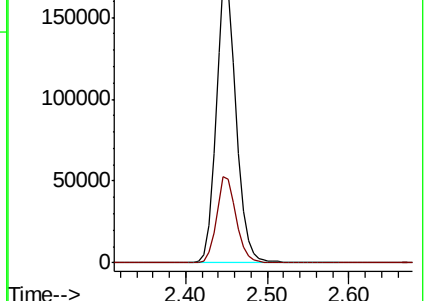
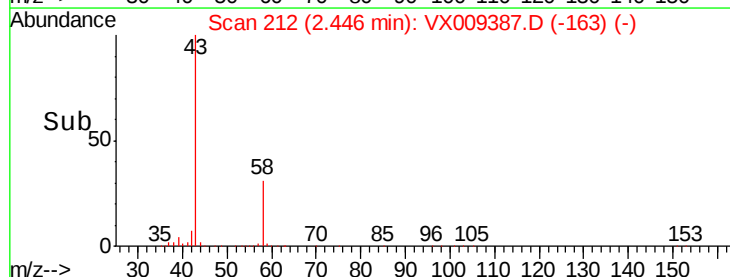
Tgt Ion: 43 Resp: 297170

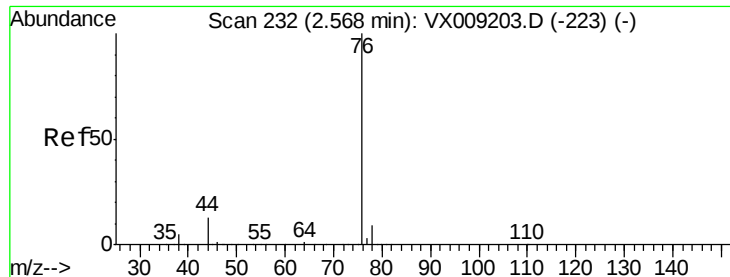
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.9	37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

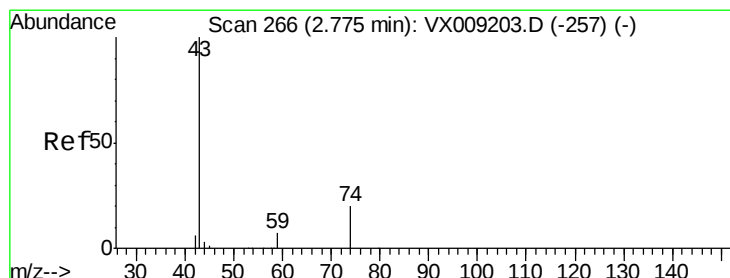
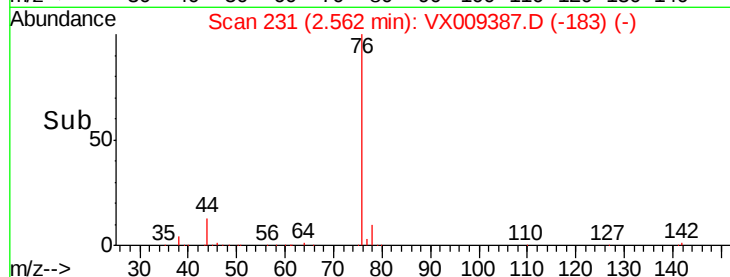
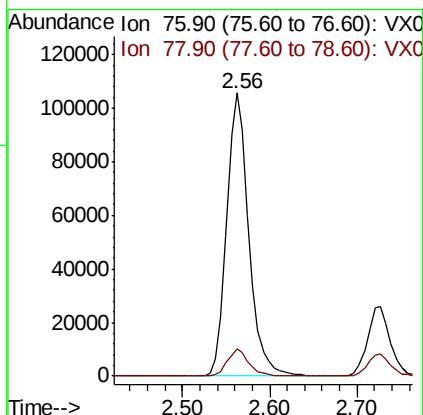
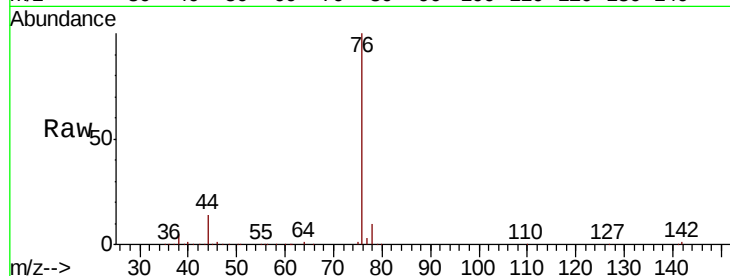




#17
Carbon Disulfide
Concen: 42.959 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

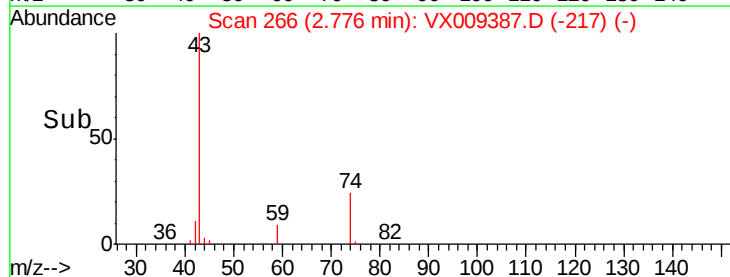
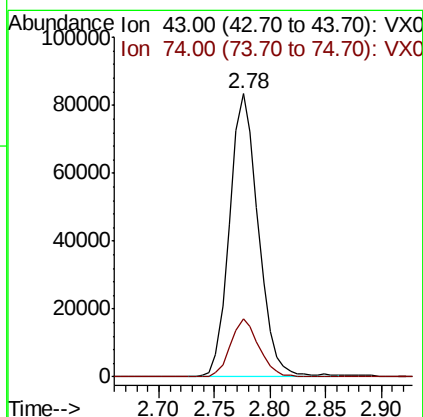
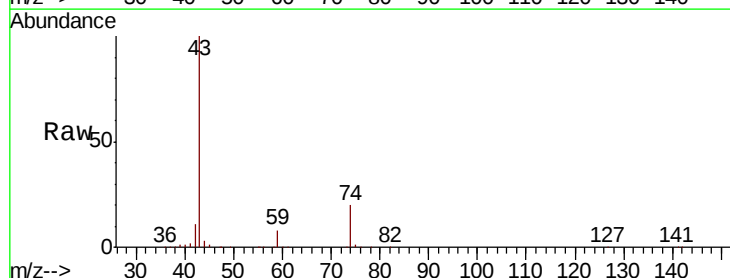
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

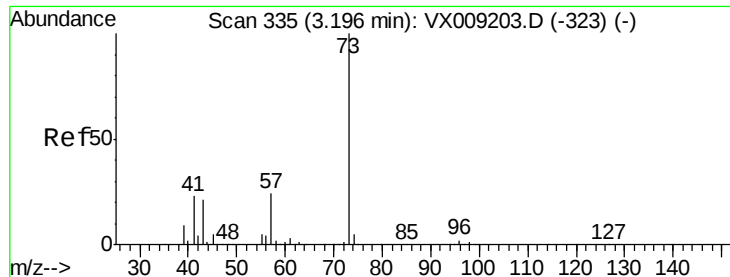
Tot Ion: 76 Resp: 184715
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#18
Methyl Acetate
Concen: 52.193 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 43 Resp: 148511
Ion Ratio Lower Upper
43 100
74 20.0 16.2 24.4

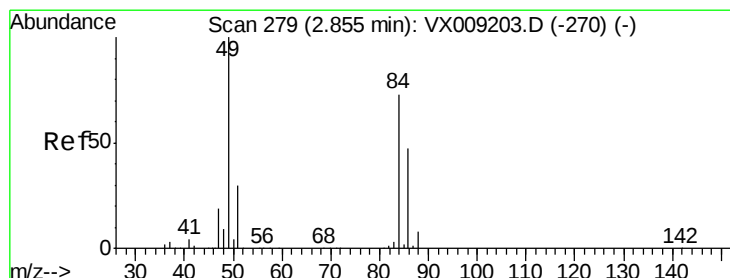
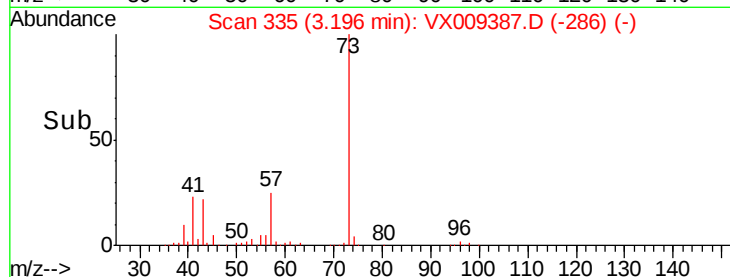
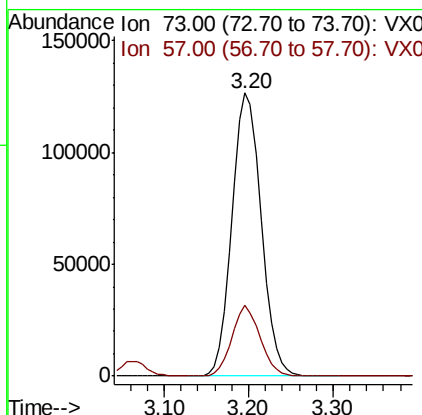
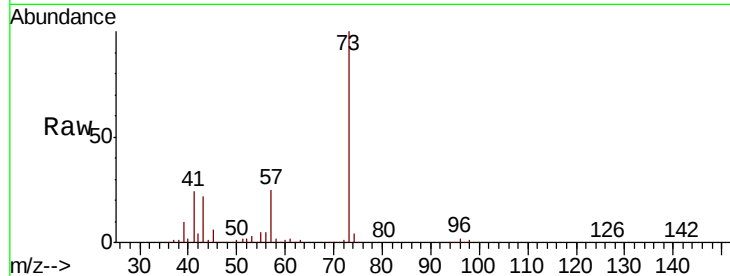




#19
Methyl tert-butyl Ether
Concen: 50.016 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

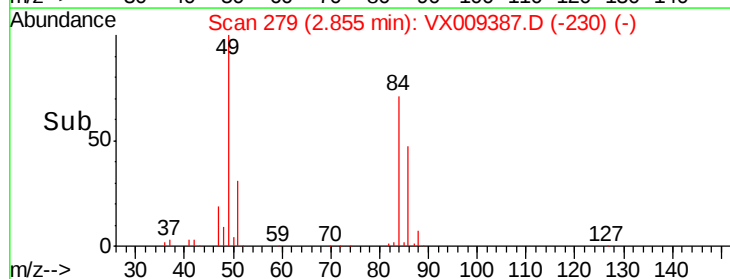
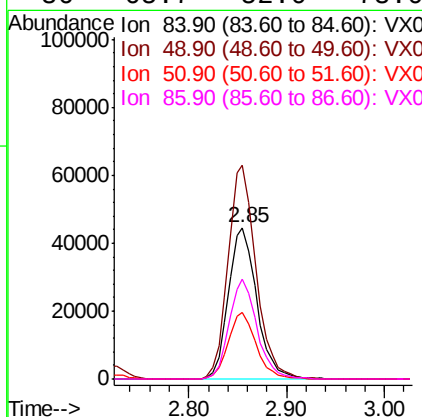
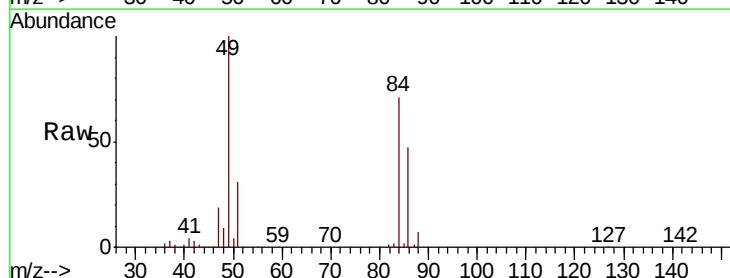
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

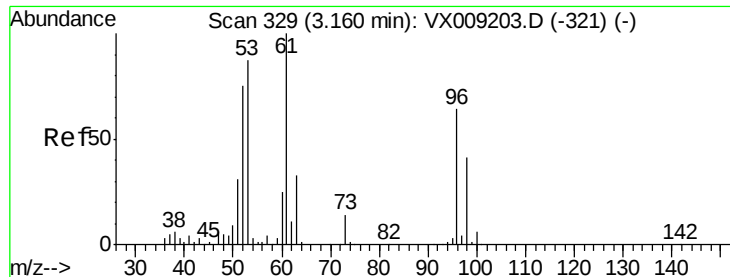
Tot Ion: 73 Resp: 297456
Ion Ratio Lower Upper
73 100
57 24.9 19.3 28.9



#20
Methylene Chloride
Concen: 46.134 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 84 Resp: 89372
Ion Ratio Lower Upper
84 100
49 141.3 109.9 164.9
51 44.0 32.7 49.1
86 65.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 46.992 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

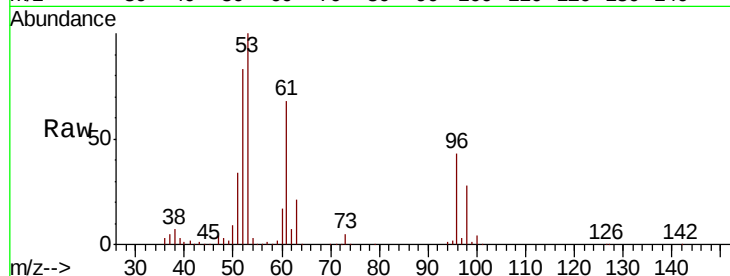
Tot Ion: 96 Resp: 78050

Ion Ratio Lower Upper

96 100

61 156.8 124.5 186.7

98 63.3 50.4 75.6

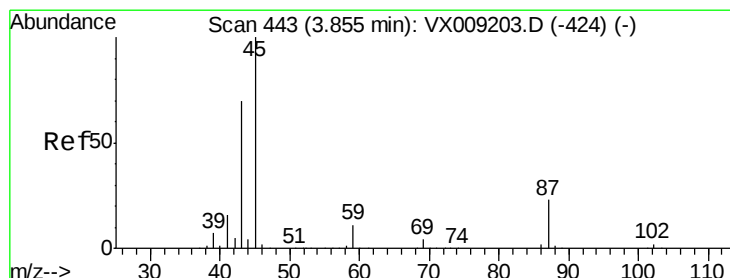
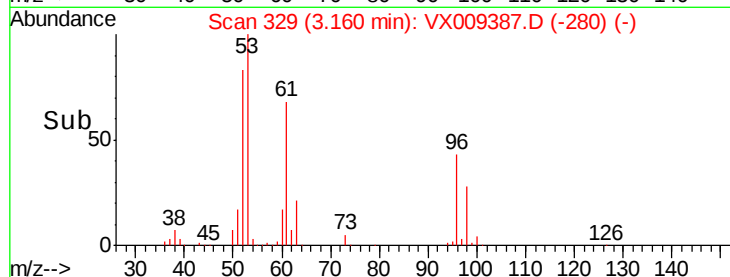
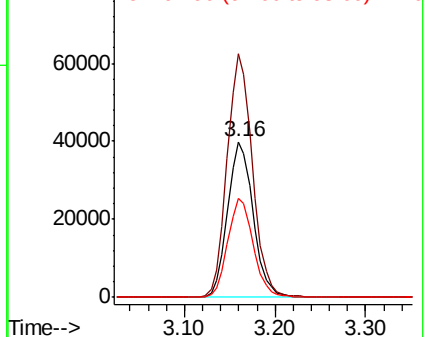


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.029 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion: 45 Resp: 351915

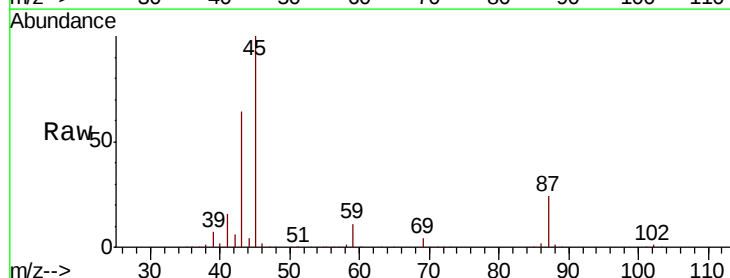
Ion Ratio Lower Upper

45 100

43 63.3 56.1 84.1

87 23.7 18.1 27.1

59 10.9 8.5 12.7



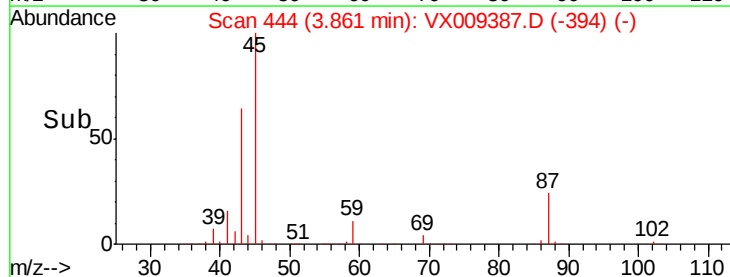
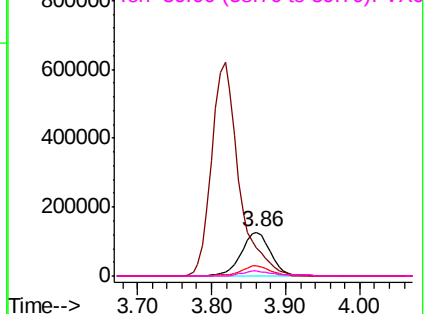
Abundance

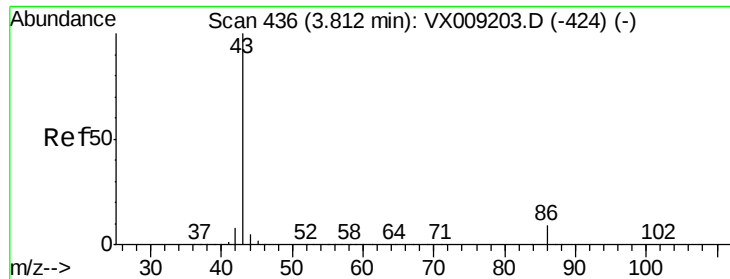
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 257.283 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

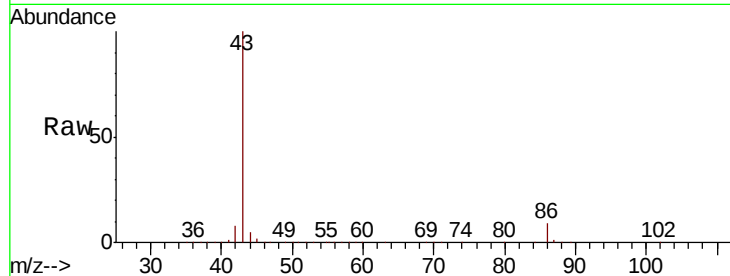
VSTDCCC050EC

Tot Ion: 43 Resp: 1581338

Ion Ratio Lower Upper

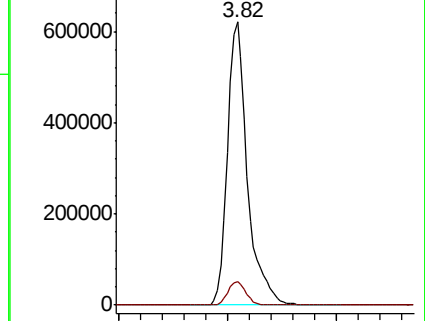
43 100

86 8.5 6.9 10.3

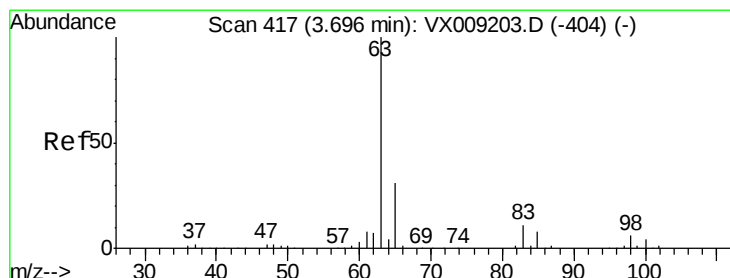
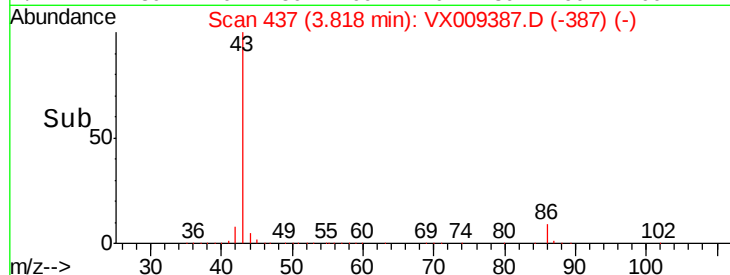


Abundance Ion 43.00 (42.70 to 43.70): VX009387.D (-387) (-)

Ion 86.00 (85.70 to 86.70): VX009387.D (-387) (-)



Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 48.311 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

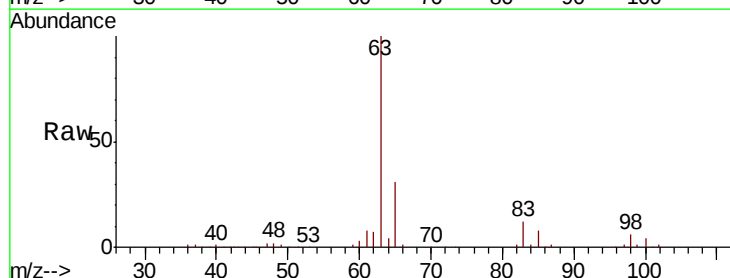
Tgt Ion: 63 Resp: 171060

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

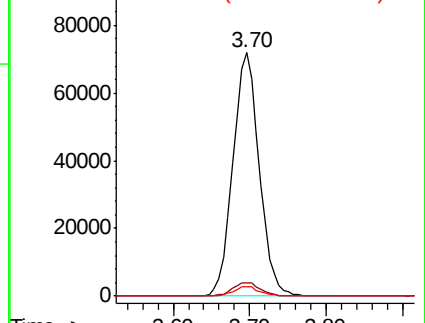
100 3.7 2.0 6.0



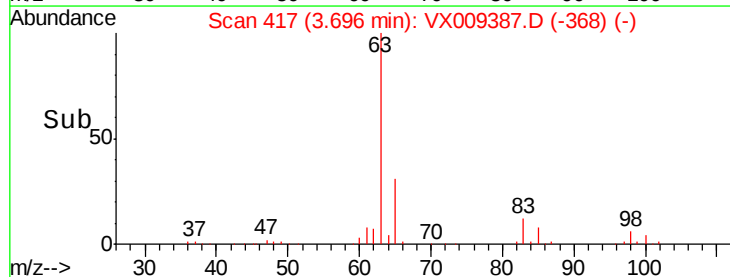
Abundance Ion 62.90 (62.60 to 63.60): VX009387.D (-368) (-)

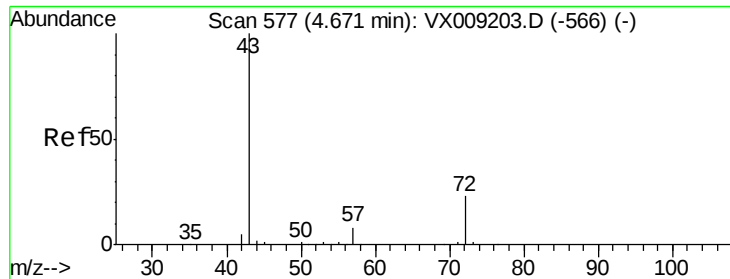
Ion 97.90 (97.60 to 98.60): VX009387.D (-368) (-)

Ion 99.90 (99.60 to 100.60): VX009387.D (-368) (-)



Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 267.843 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

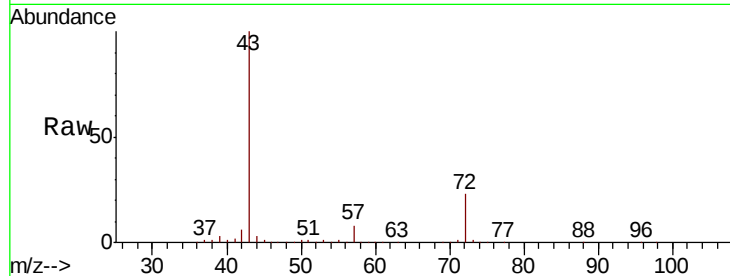
VSTDCCC050EC

Tot Ion: 43 Resp: 497989

Ion Ratio Lower Upper

43 100

72 22.9 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

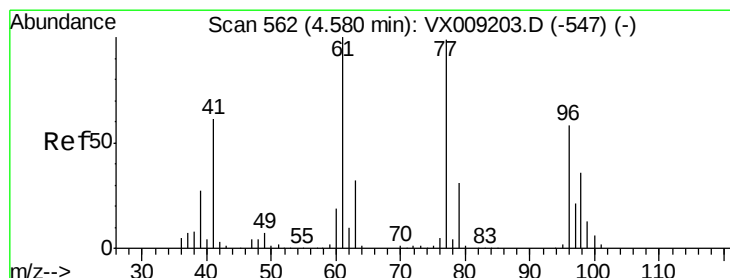
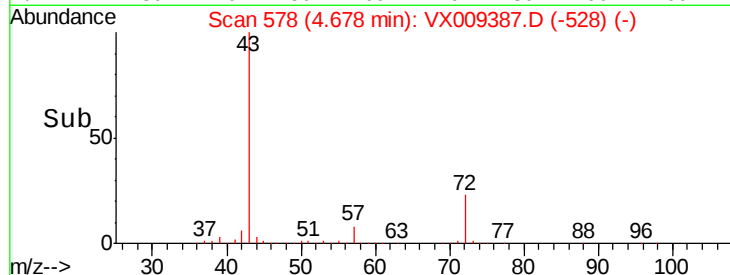
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 43.773 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009387.D

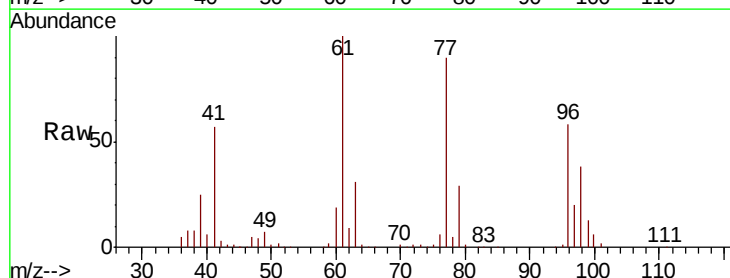
Acq: 07 May 2019 19:15

Tgt Ion: 77 Resp: 115366

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

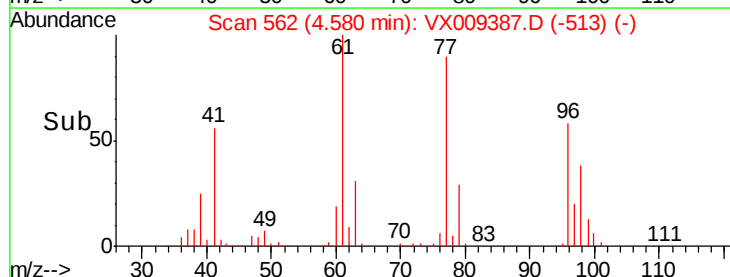
20000

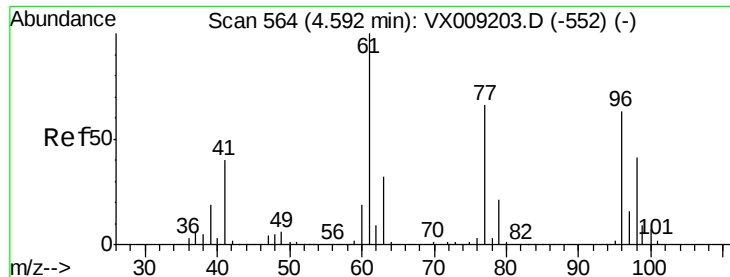
10000

0

4.40 4.50 4.60 4.70

Time-->



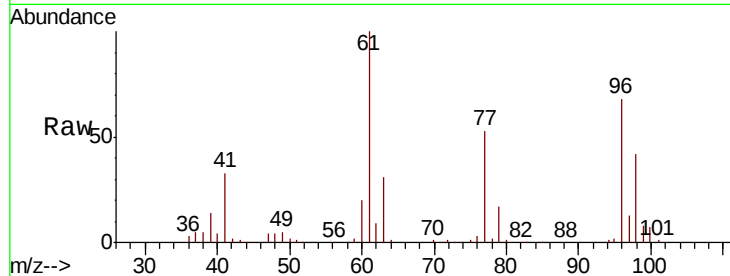


#27

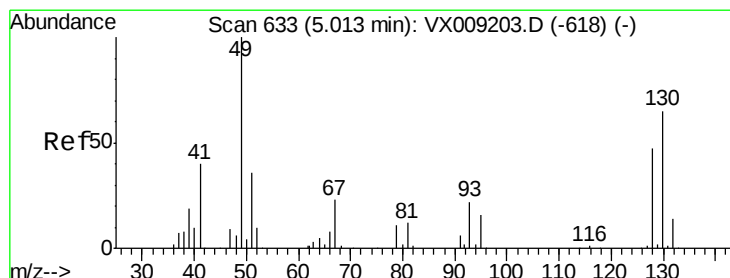
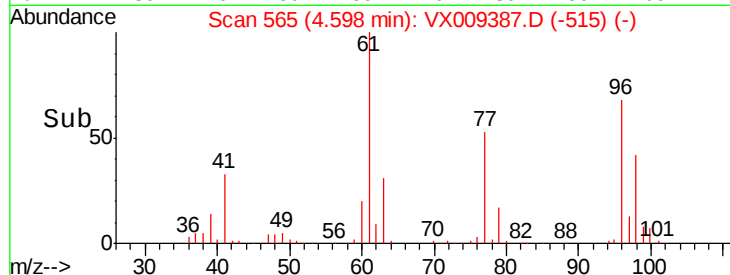
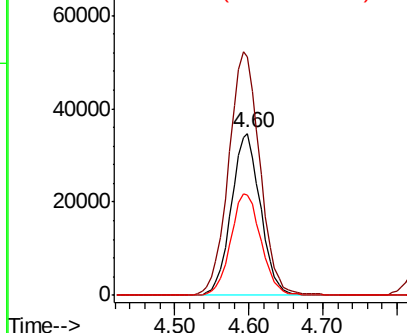
cis-1,2-Dichloroethene
Concen: 48.175 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 95508
Ion Ratio Lower Upper
96 100
61 160.6 0.0 324.0
98 65.2 0.0 130.4



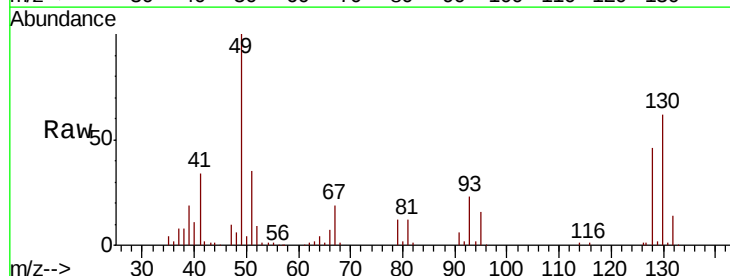
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



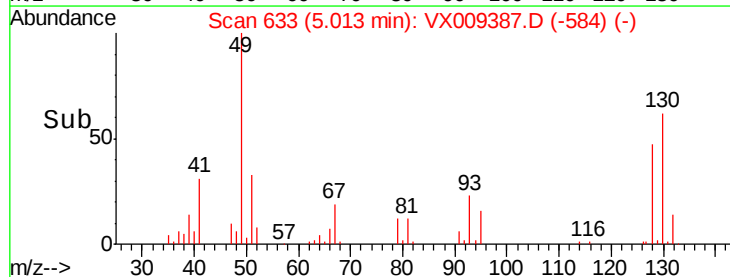
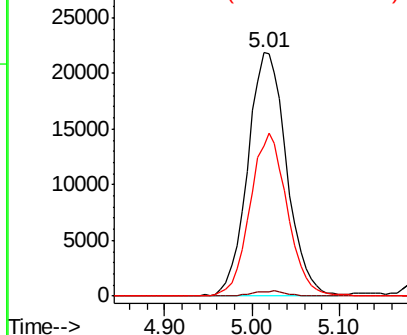
#28

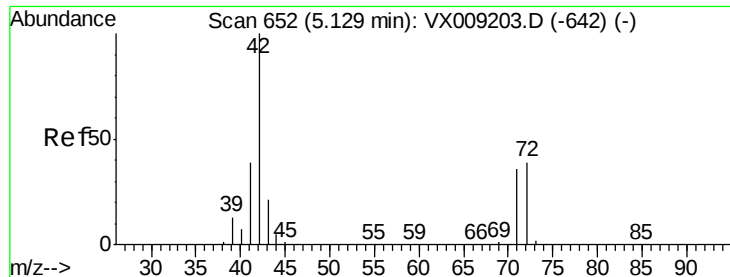
Bromochloromethane
Concen: 47.310 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 49 Resp: 67643
Ion Ratio Lower Upper
49 100
129 1.1 0.0 3.8
130 64.0 51.2 76.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

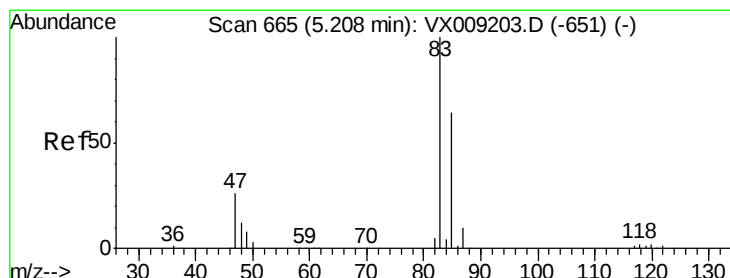
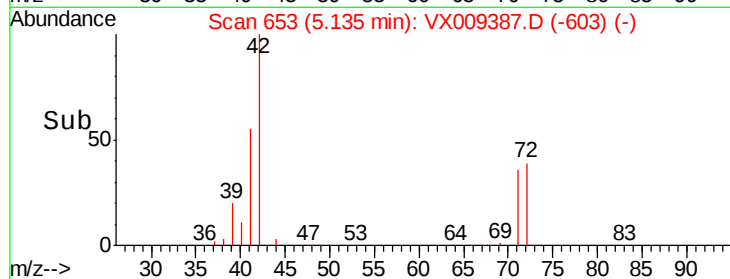
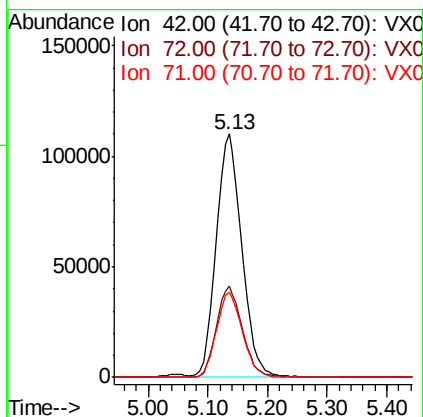
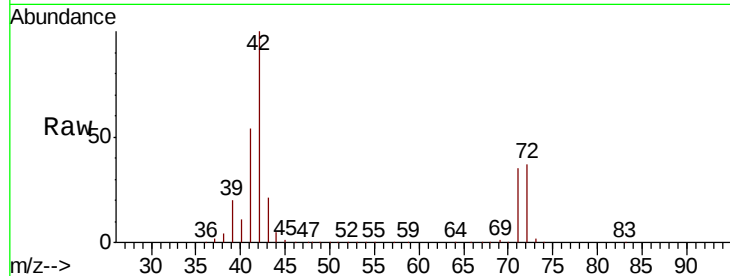




#29
Tetrahydrofuran
Concen: 272.990 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

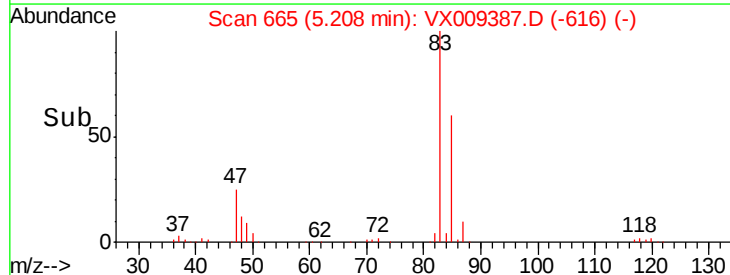
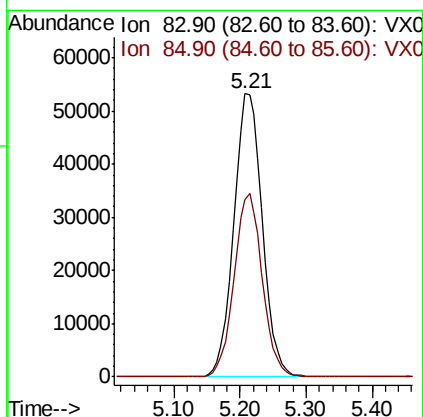
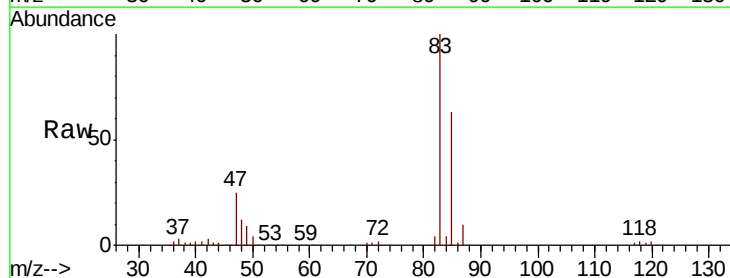
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

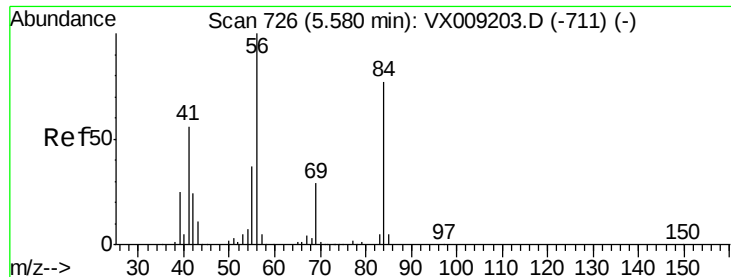
Tot Ion: 42 Resp: 326612
Ion Ratio Lower Upper
42 100
72 37.8 30.4 45.6
71 35.4 28.6 43.0



#30
Chloroform
Concen: 49.604 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 83 Resp: 158854
Ion Ratio Lower Upper
83 100
85 62.7 51.5 77.3

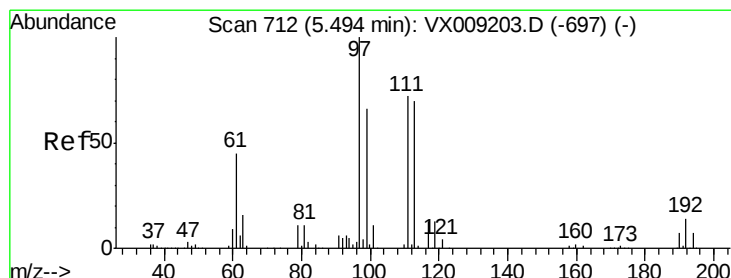
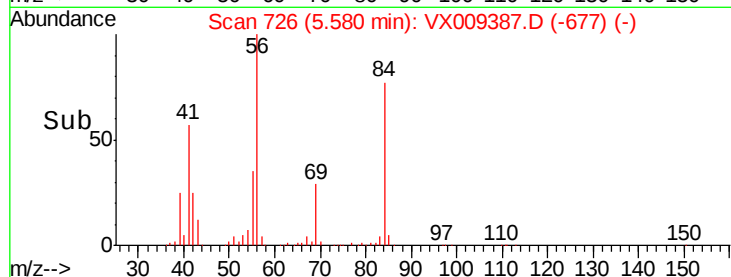
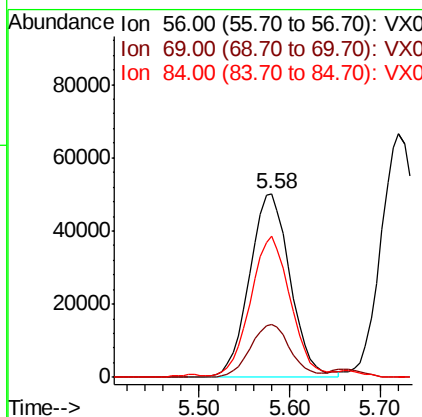
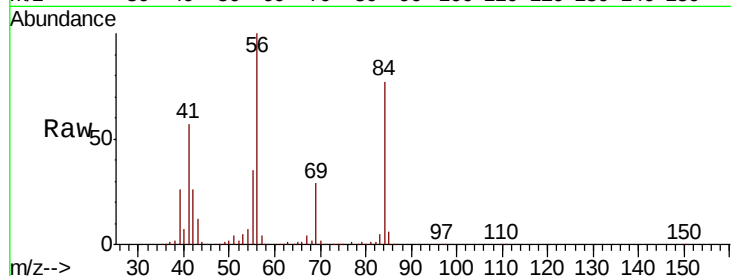




#31
Cyclohexane
Concen: 47.391 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

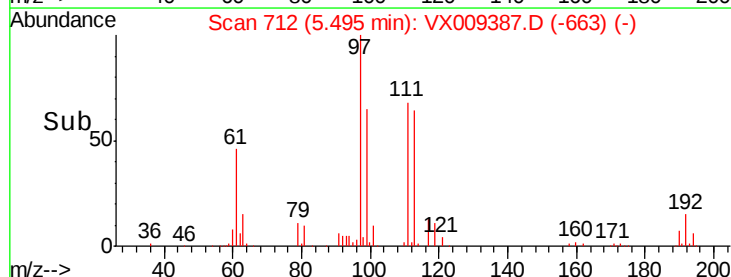
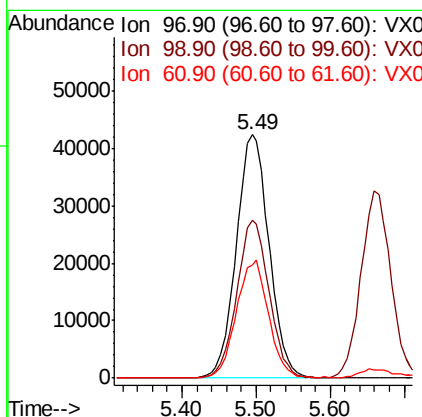
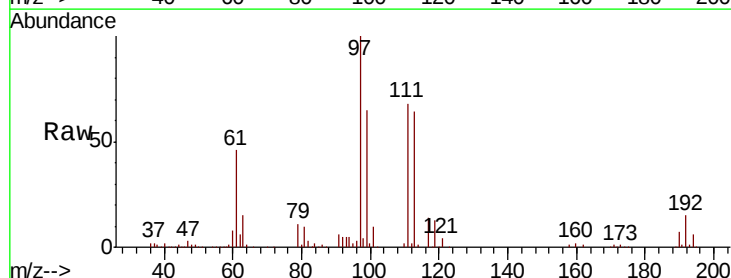
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 156118
Ion Ratio Lower Upper
56 100
69 29.1 23.4 35.0
84 75.3 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 48.991 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 97 Resp: 130606
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.8
61 47.6 37.8 56.8





#33

1,2-Dichloroethane-d4

Concen: 49.444 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

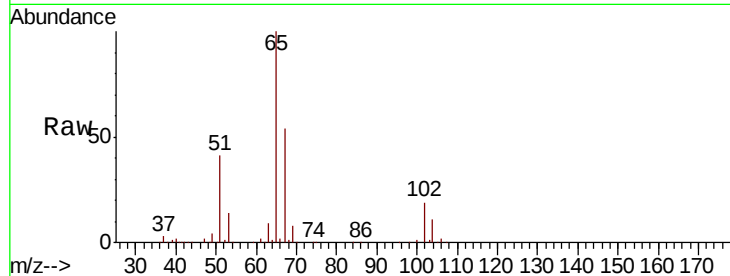
VSTDCCC050EC

Tot Ion: 65 Resp: 110172

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

30000

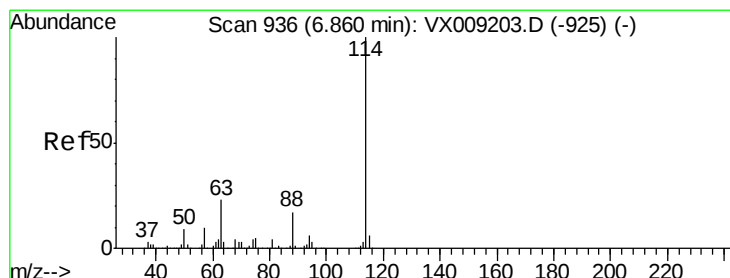
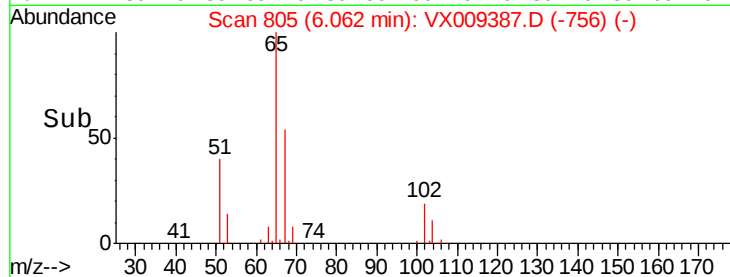
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

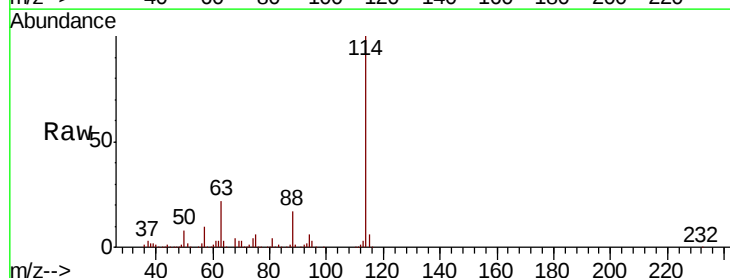
Tgt Ion: 114 Resp: 265616

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

88 16.5 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

150000

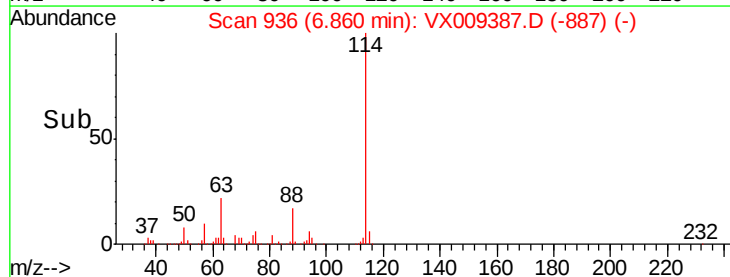
100000

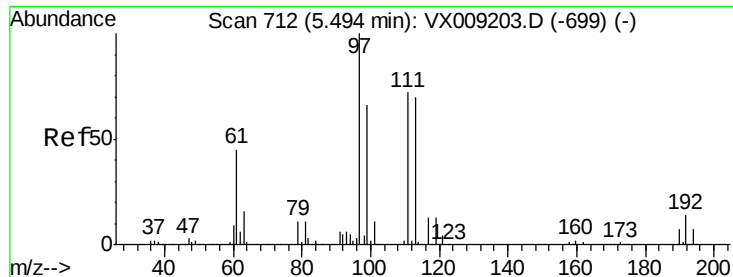
50000

0

6.70 6.80 6.90 7.00 7.10

Time-->

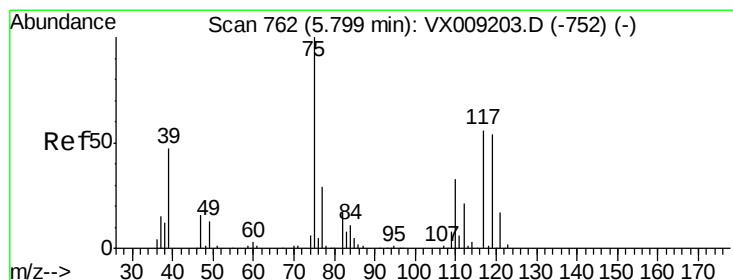
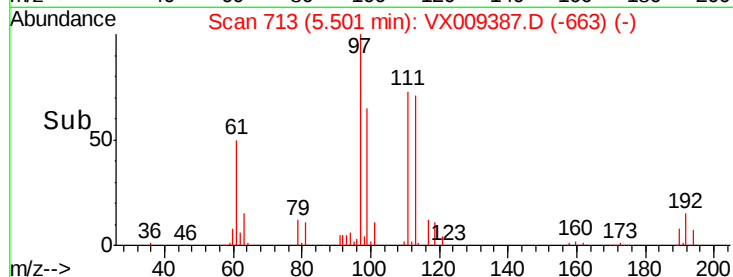
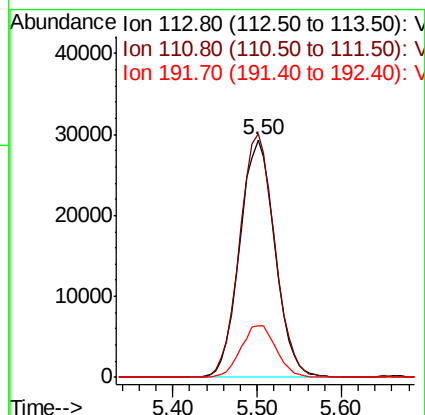
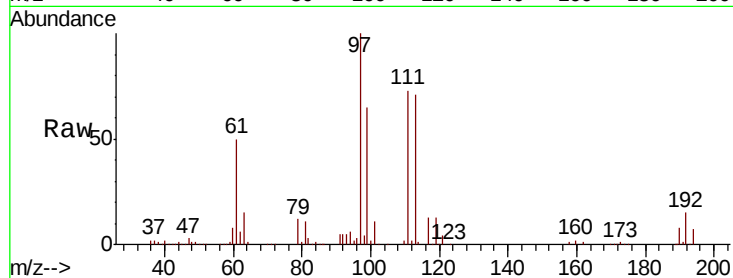




#35
 Dibromofluoromethane
 Concen: 49.769 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

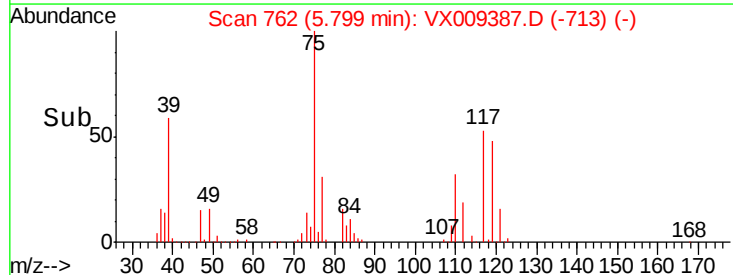
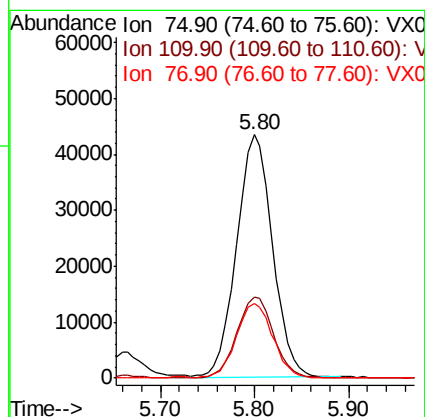
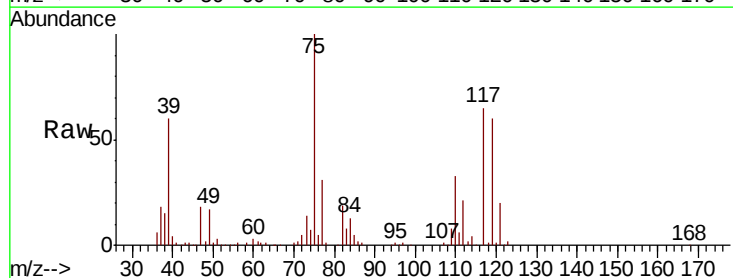
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

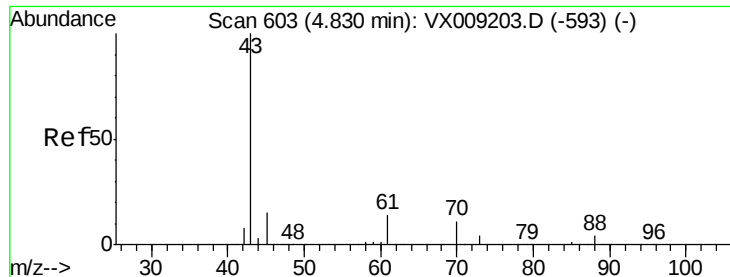
Tot Ion:113 Resp: 83102
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.8 124.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 46.751 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Tgt Ion: 75 Resp: 115400
 Ion Ratio Lower Upper
 75 100
 110 34.4 16.9 50.6
 77 31.7 24.8 37.2

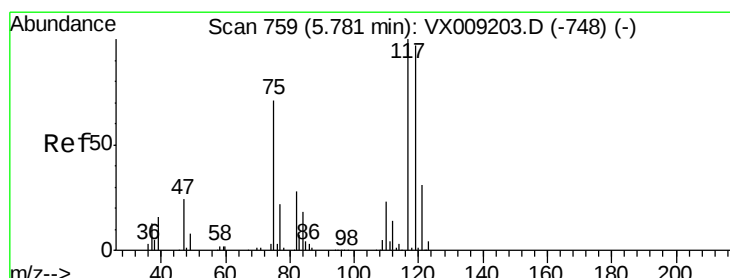
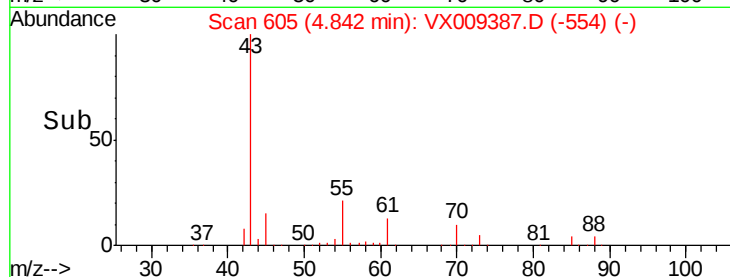
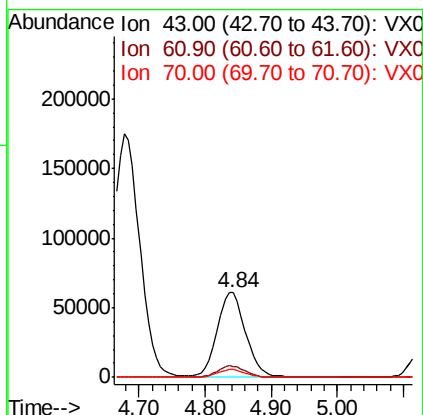
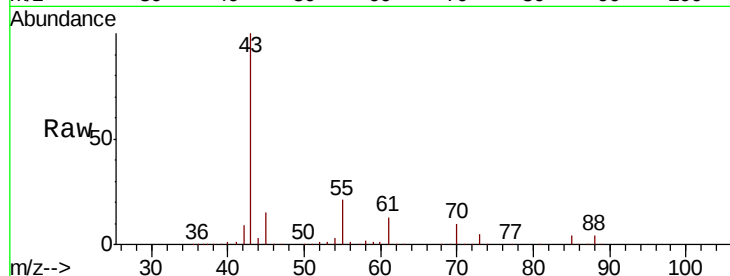




#37
Ethyl Acetate
Concen: 52.948 ug/l
RT: 4.84 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

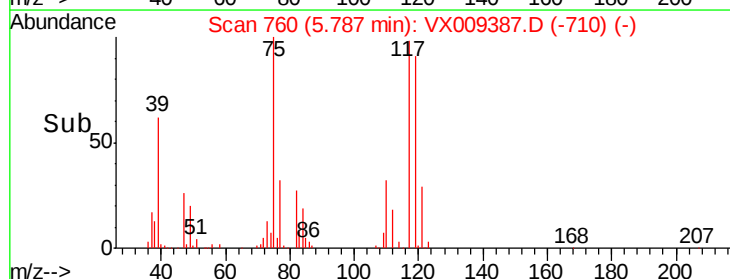
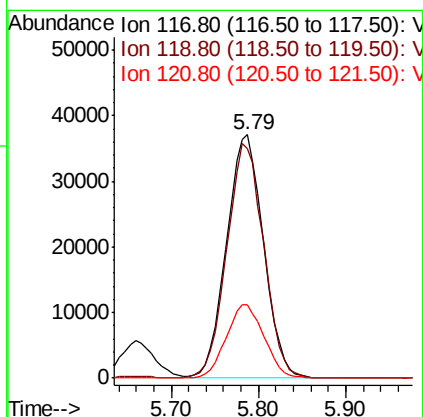
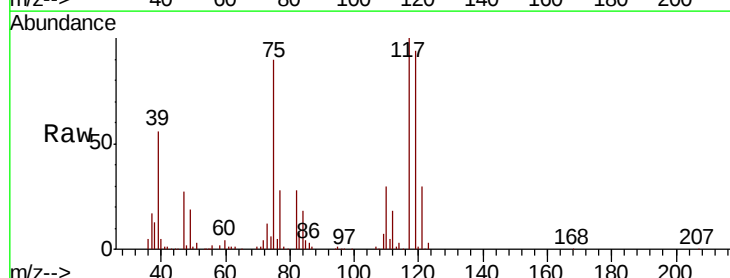
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 182101
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 9.4 7.9 11.9



#38
Carbon Tetrachloride
Concen: 48.550 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 117 Resp: 108884
Ion Ratio Lower Upper
117 100
119 94.0 77.5 116.3
121 30.1 24.7 37.1

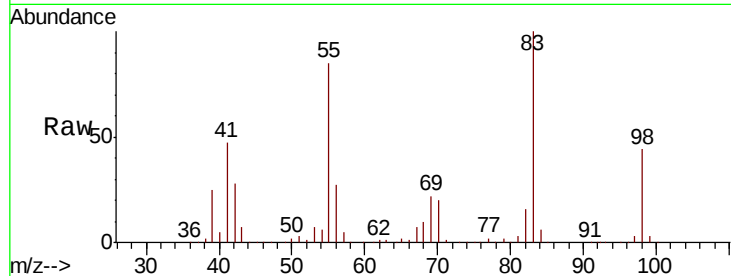




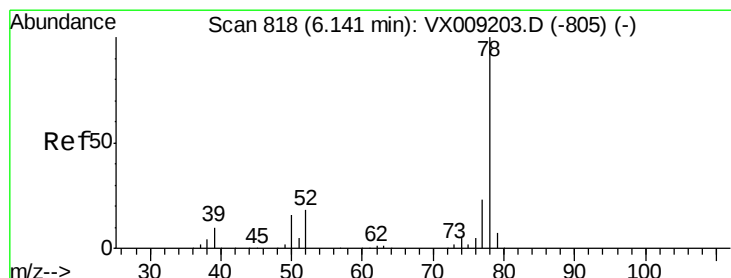
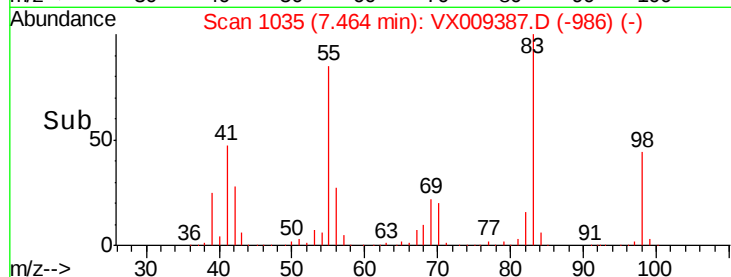
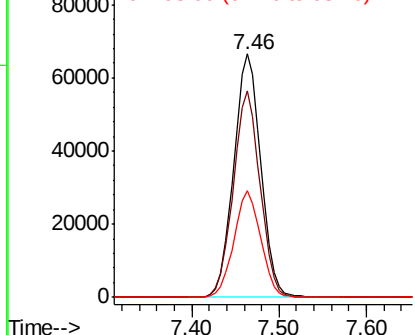
#39
Methvlcvclohexane
Concen: 47.225 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 143158
Ion Ratio Lower Upper
83 100
55 84.7 67.7 101.5
98 43.8 35.5 53.3

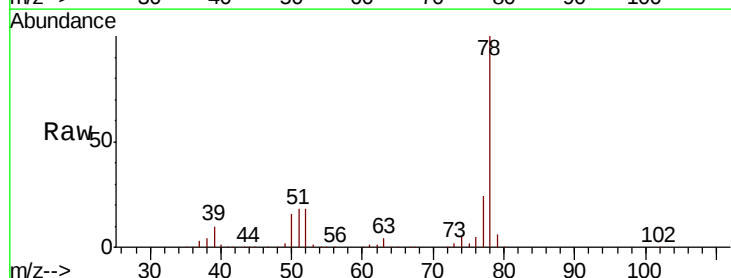


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

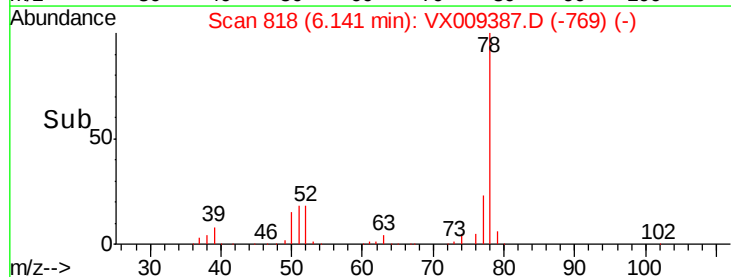
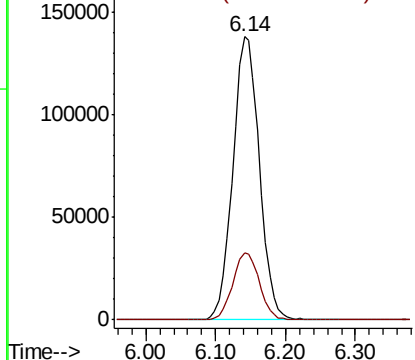


#40
Benzene
Concen: 47.550 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 78 Resp: 363247
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

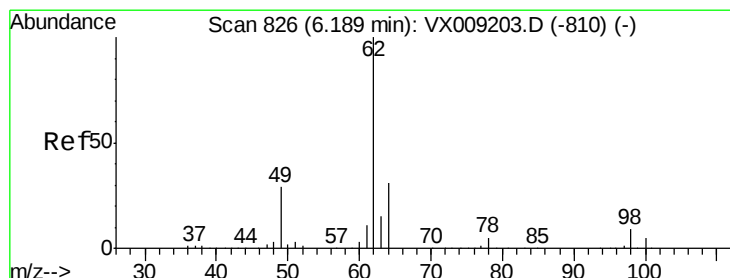
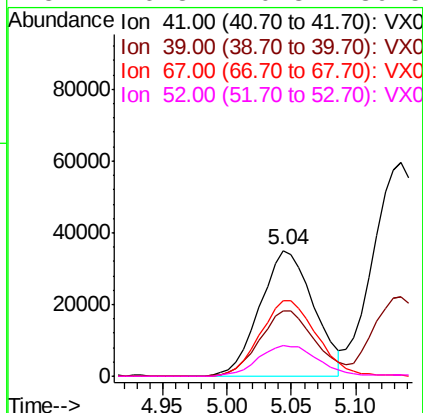
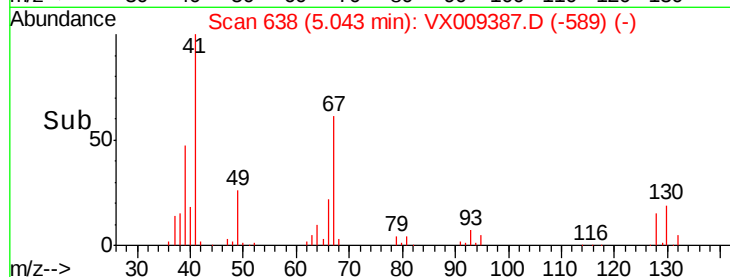
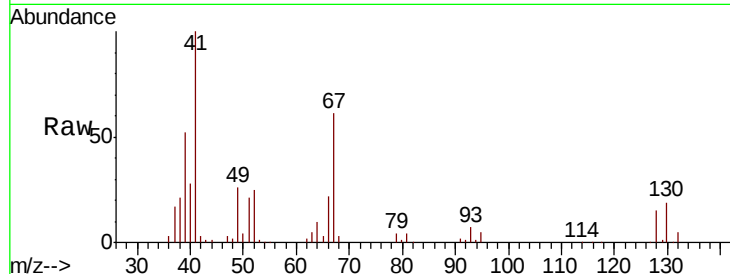




#41
Methacrylonitrile
Concen: 49.470 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

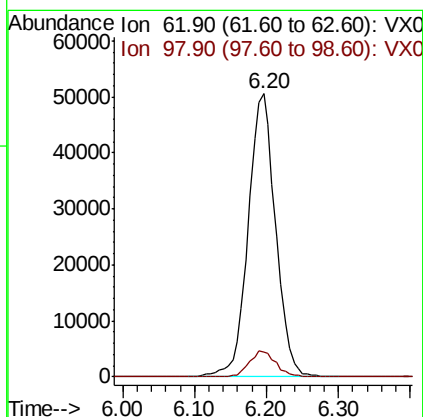
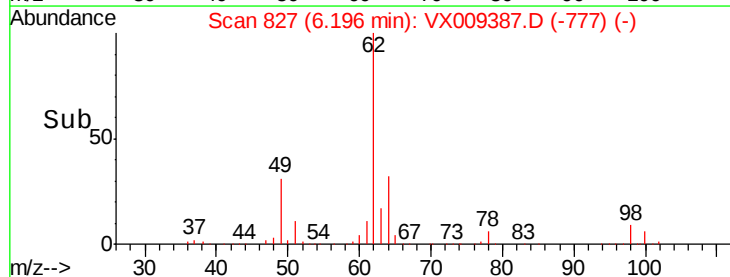
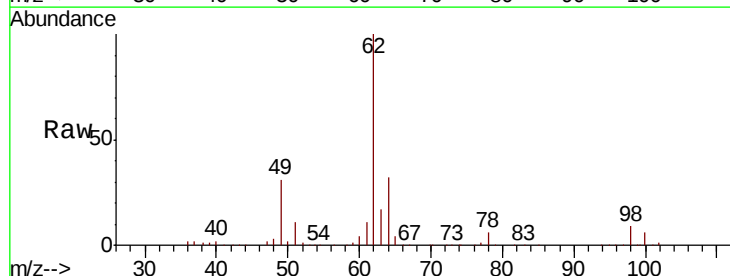
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

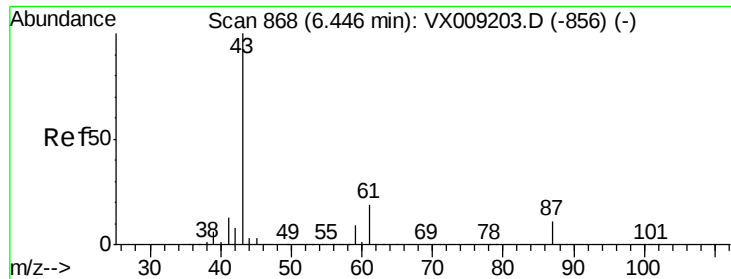
Tot Ion:	41	Resp:	101279
Ion	Ratio	Lower	Upper
41	100		
39	53.9	42.0	63.0
67	63.8	49.8	74.8
52	26.8	20.3	30.5



#42
1,2-Dichloroethane
Concen: 48.838 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion:	62	Resp:	133832
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





#43

Isopropyl Acetate

Concen: 51.726 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

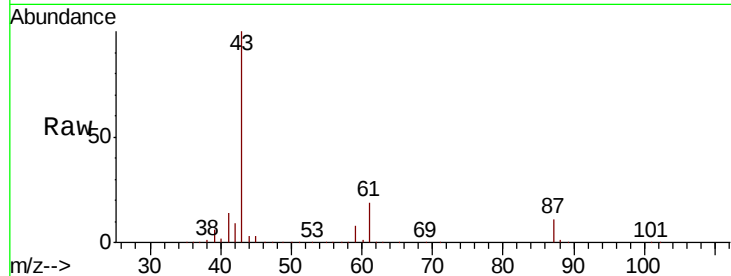
Tot Ion: 43 Resp: 284558

Ion Ratio Lower Upper

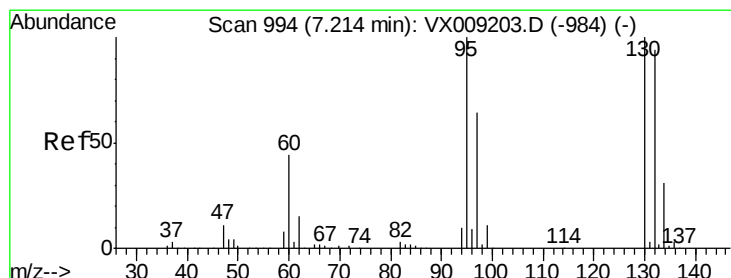
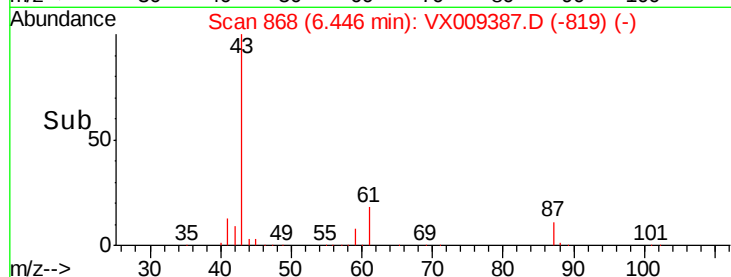
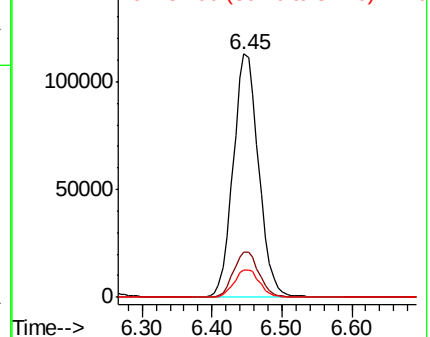
43 100

61 19.1 15.1 22.7

87 11.5 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 47.043 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009387.D

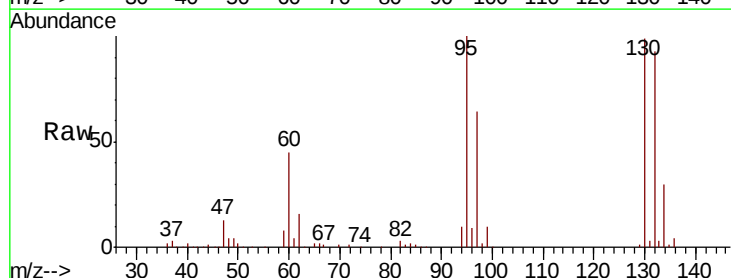
Acq: 07 May 2019 19:15

Tgt Ion:130 Resp: 86880

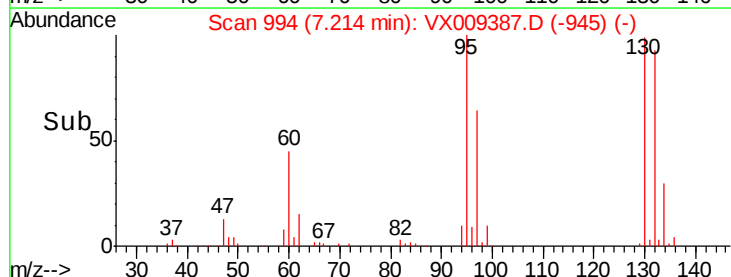
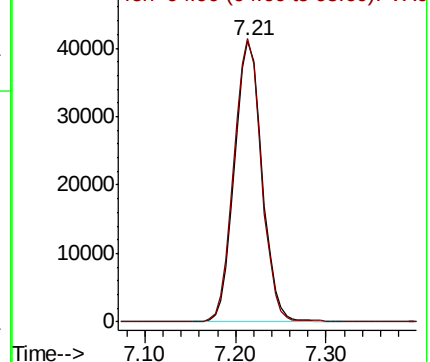
Ion Ratio Lower Upper

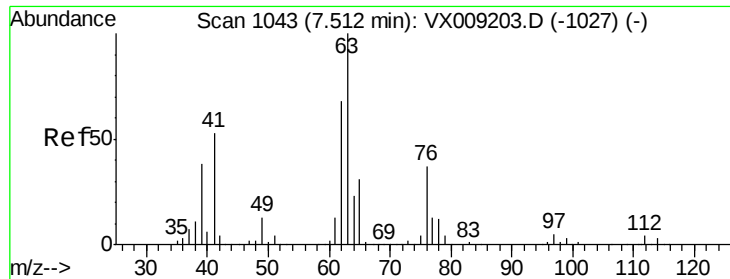
130 100

95 100.6 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

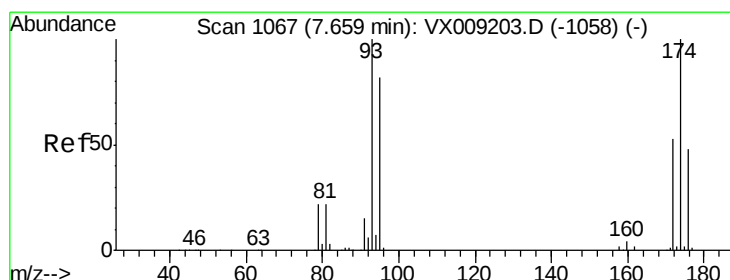
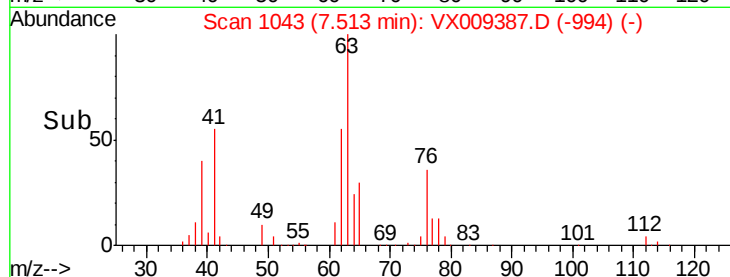
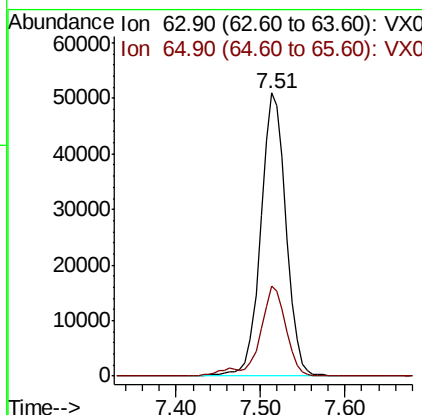
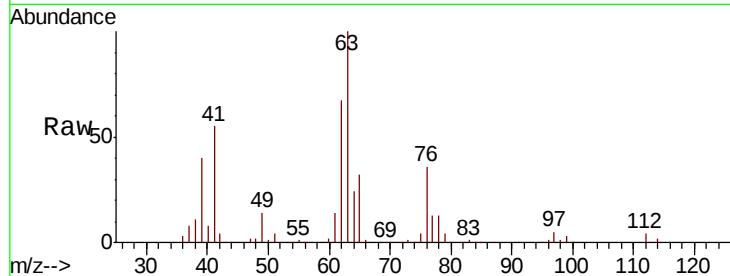




#45
 1,2-Dichloropropane
 Concen: 48.542 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

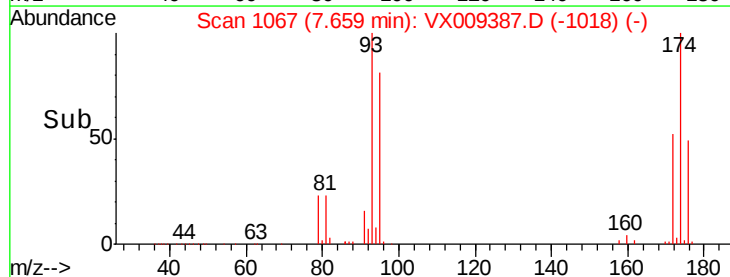
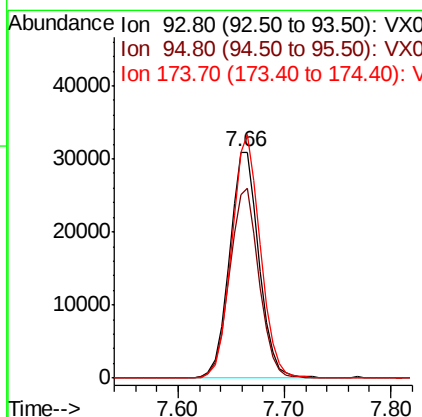
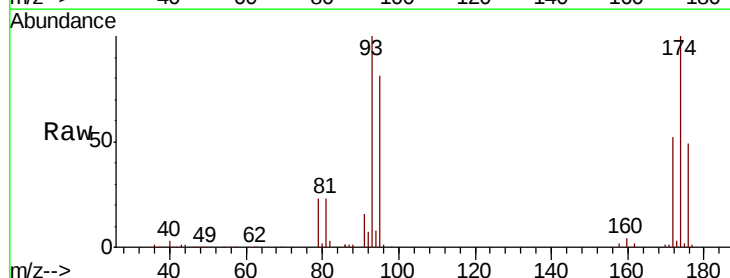
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

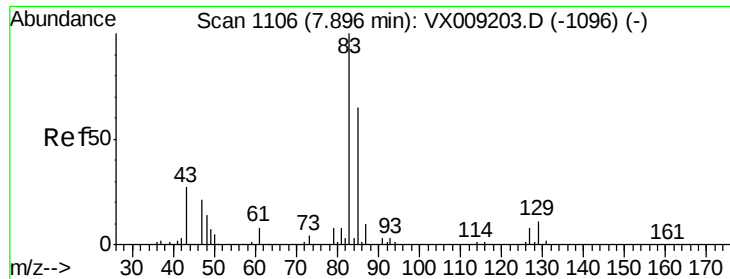
Tot Ion: 63 Resp: 105003
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6



#46
 Dibromomethane
 Concen: 47.758 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Tgt Ion: 93 Resp: 59991
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 105.1 82.1 123.1





#47

Bromodichloromethane

Concen: 50.038 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

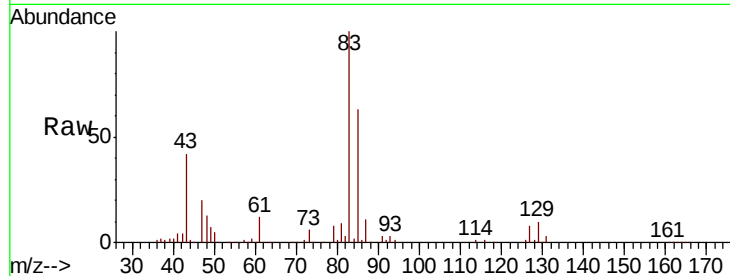
Tot Ion: 83 Resp: 125379

Ion Ratio Lower Upper

83 100

85 62.8 52.4 78.6

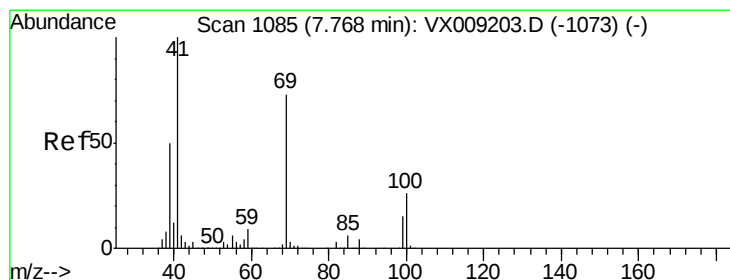
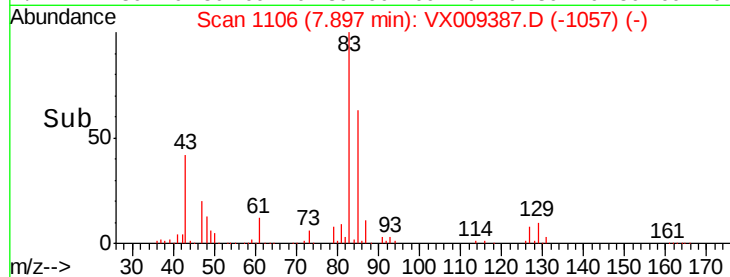
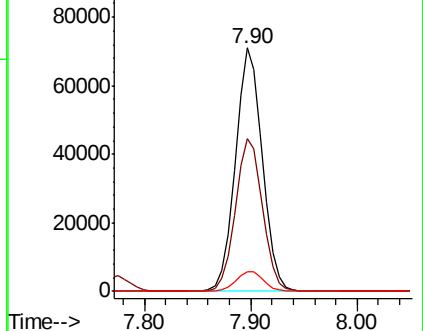
127 8.1 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.608 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

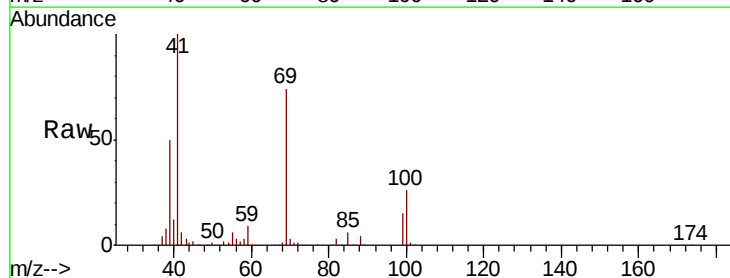
Tgt Ion: 41 Resp: 143582

Ion Ratio Lower Upper

41 100

69 73.0 59.1 88.7

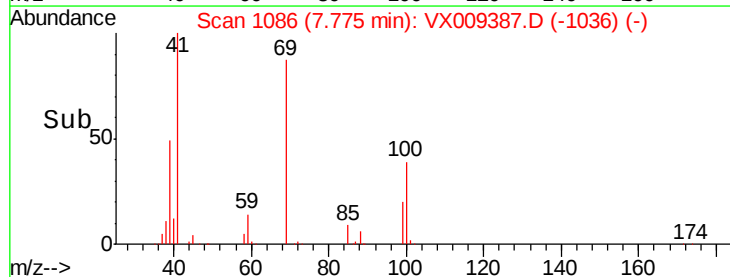
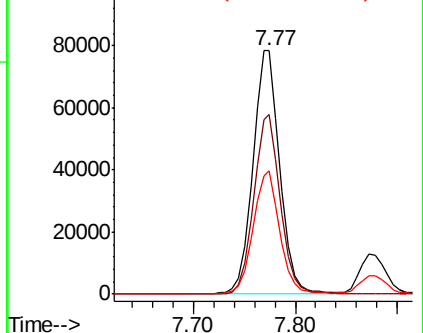
39 50.1 40.4 60.6

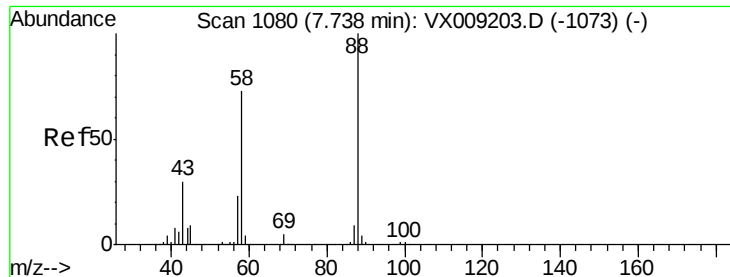


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

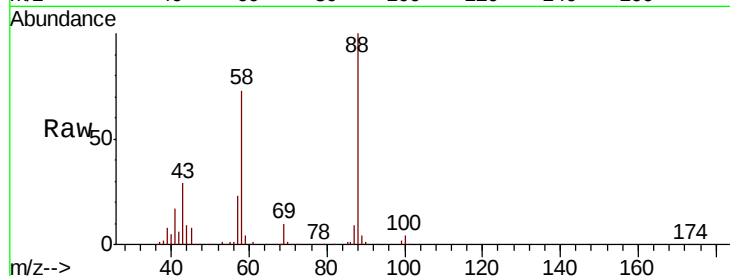




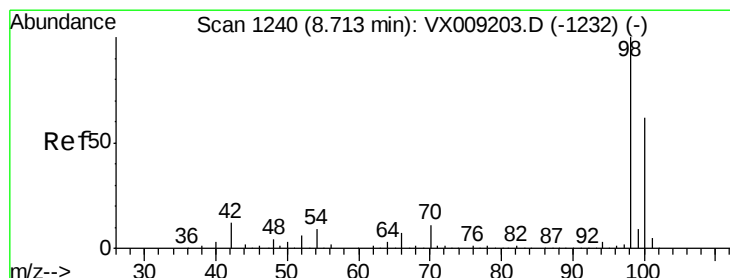
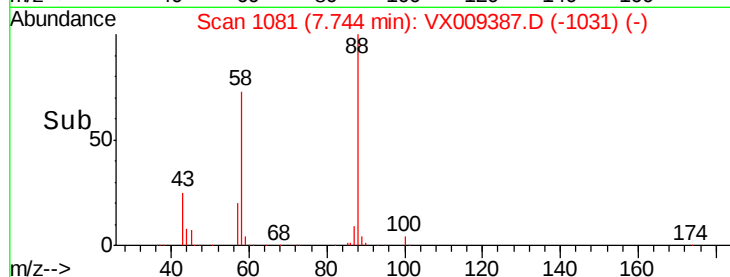
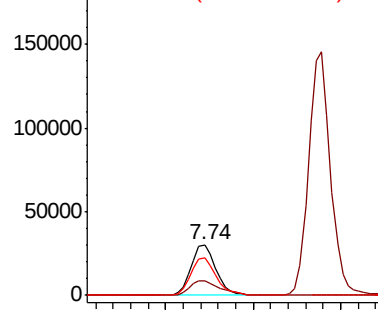
#49
1,4-Dioxane
Concen: 1077.172 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 59621
Ion Ratio Lower Upper
88 100
43 36.0 28.6 42.8
58 75.7 61.7 92.5

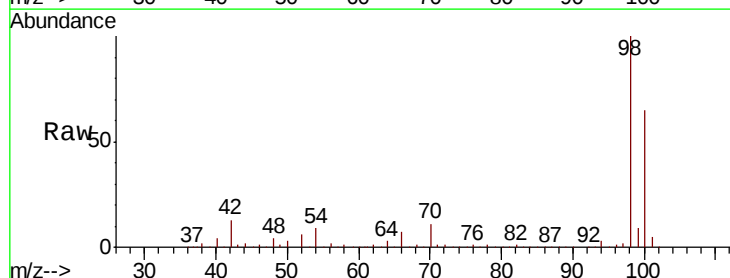


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

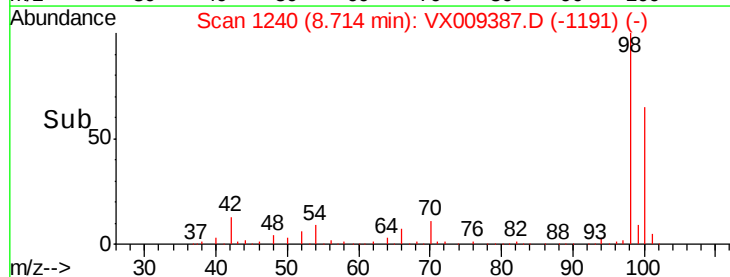
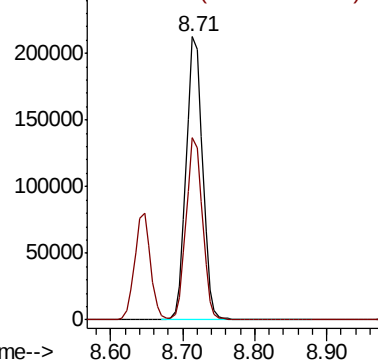


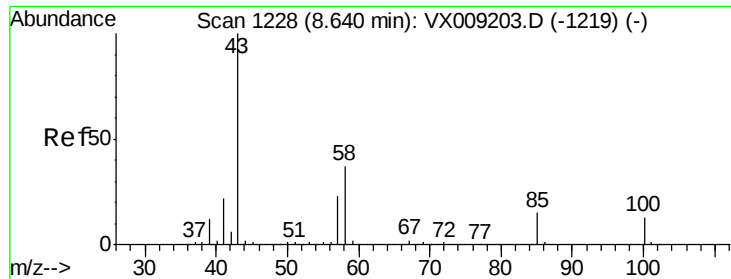
#50
Toluene-d8
Concen: 49.787 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 98 Resp: 335625
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 272.320 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

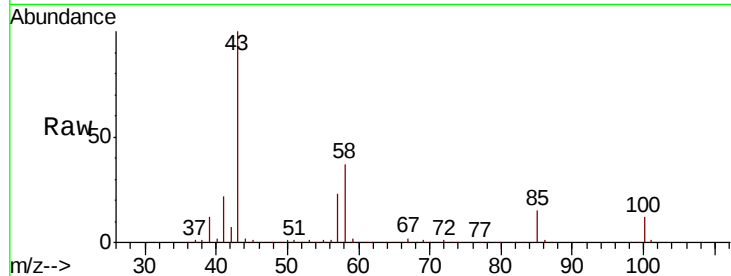
VSTDCCC050EC

Tot Ion: 43 Resp: 979184

Ion Ratio Lower Upper

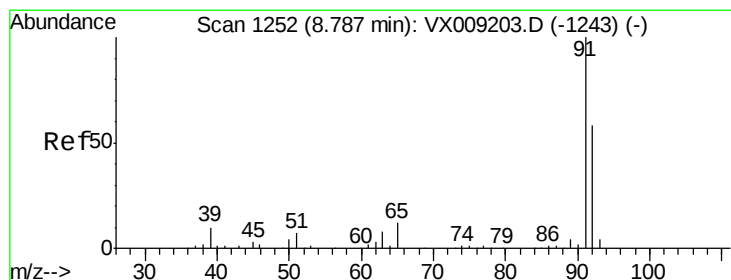
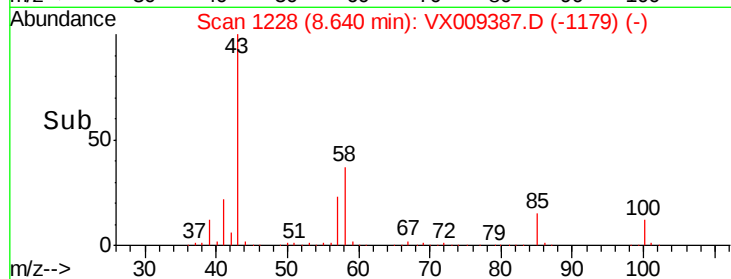
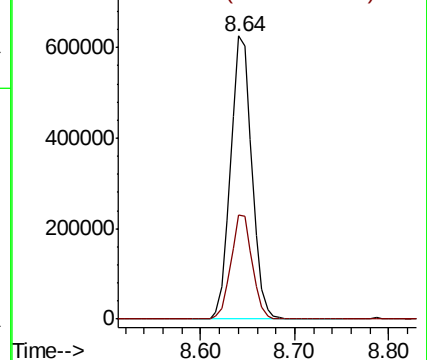
43 100

58 36.7 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.644 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009387.D

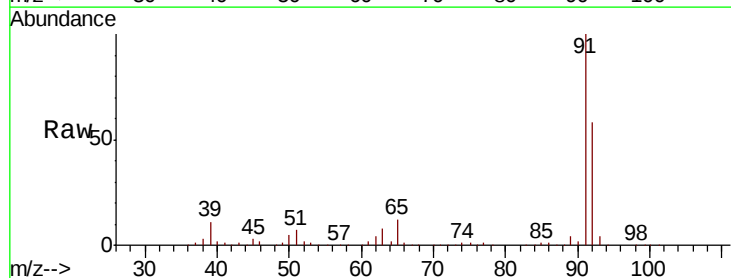
Acq: 07 May 2019 19:15

Tgt Ion: 92 Resp: 221243

Ion Ratio Lower Upper

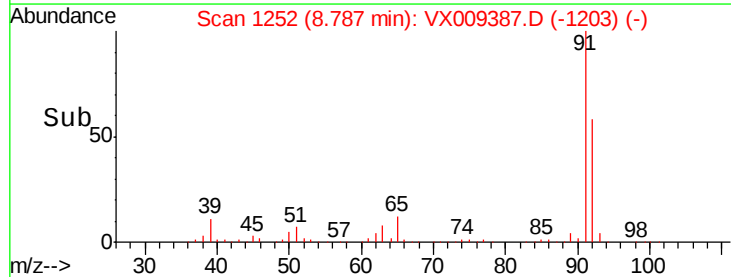
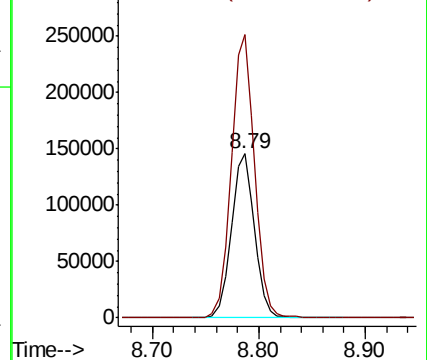
92 100

91 173.6 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

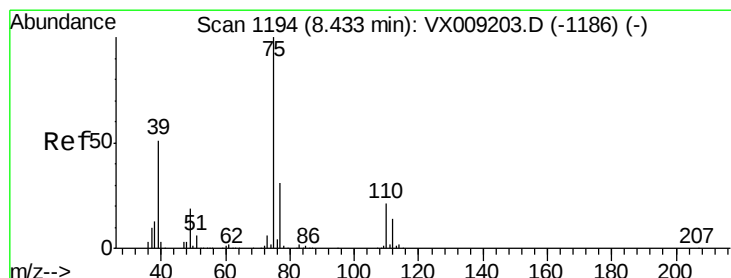
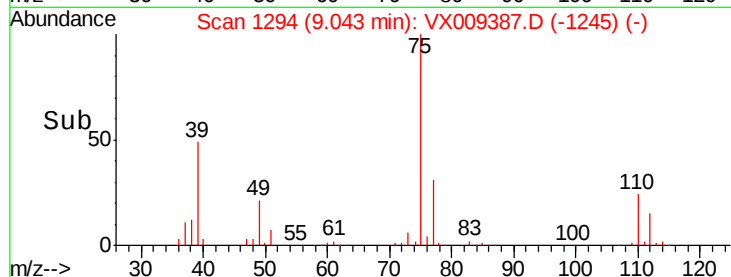
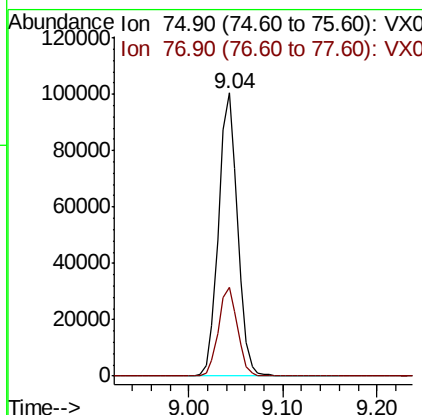
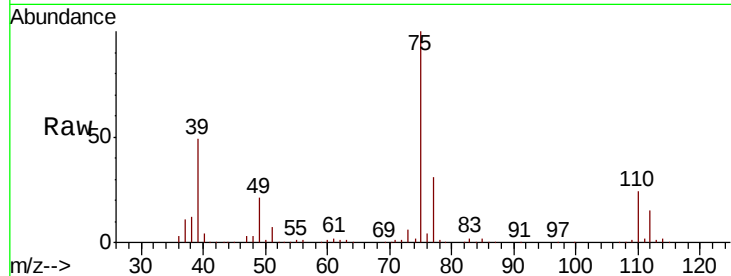




#53
t-1,3-Dichloropropene
Concen: 49.917 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

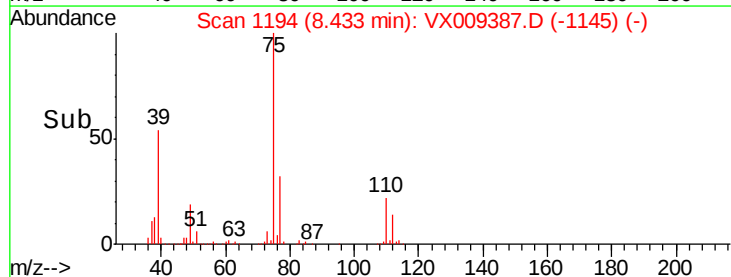
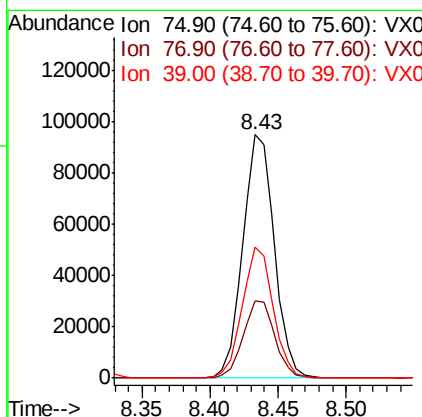
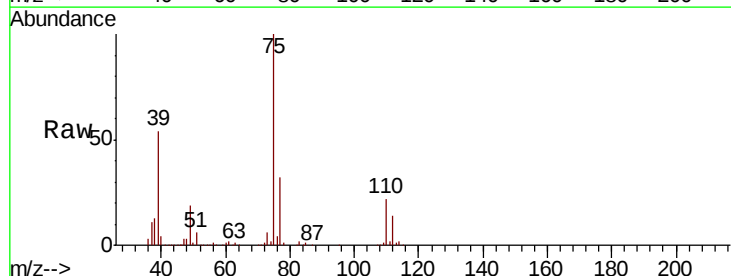
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

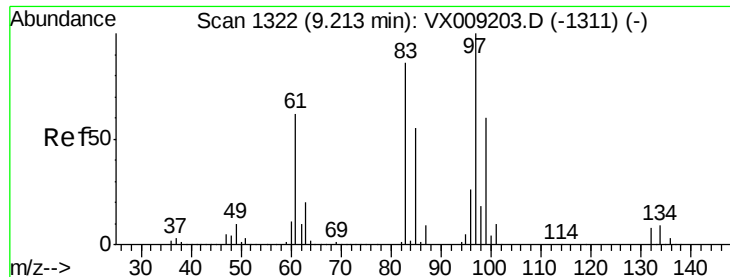
Tot Ion: 75 Resp: 141213
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 49.118 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 75 Resp: 153799
Ion Ratio Lower Upper
75 100
77 31.8 24.6 36.8
39 53.8 40.6 60.8





#55

1,1,2-Trichloroethane

Concen: 49.222 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 93251

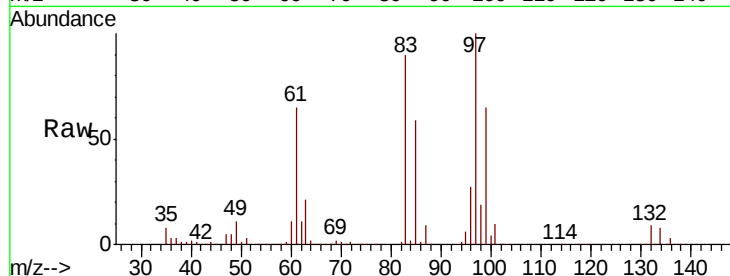
Ion Ratio Lower Upper

97 100

83 89.7 68.9 103.3

85 58.9 43.8 65.6

99 65.2 48.2 72.2



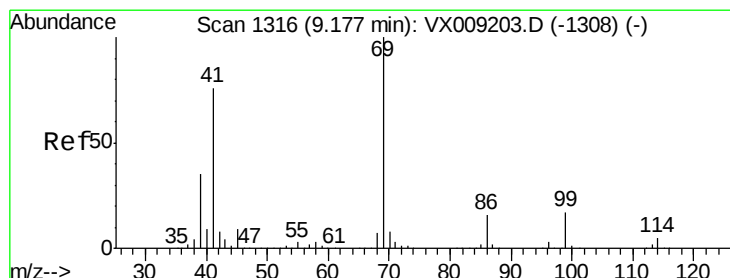
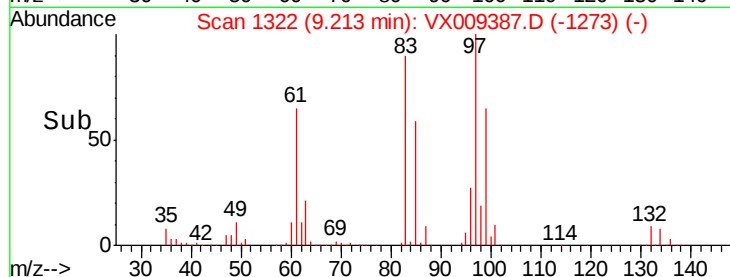
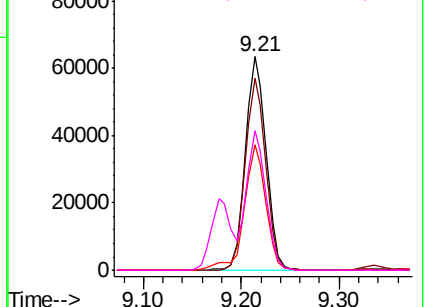
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 52.249 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

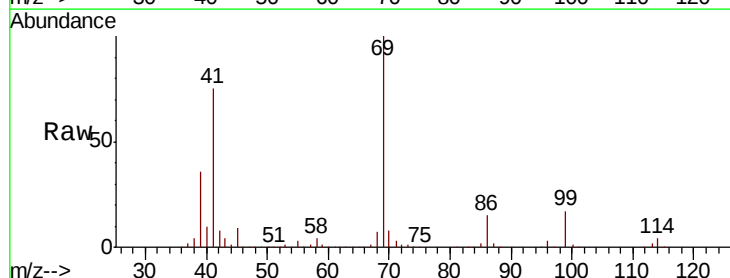
Tgt Ion: 69 Resp: 176695

Ion Ratio Lower Upper

69 100

41 75.1 60.6 90.8

39 35.6 28.2 42.4

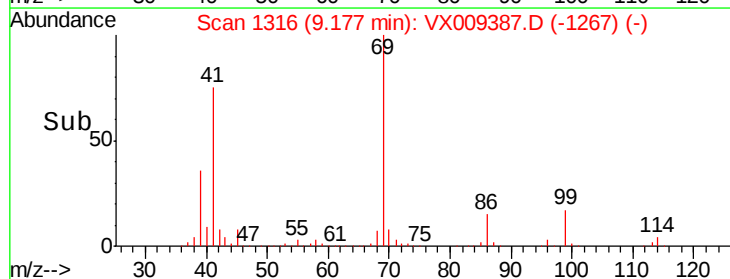
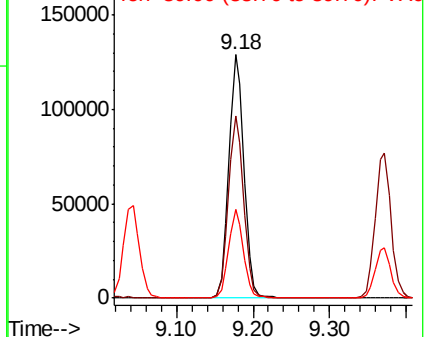


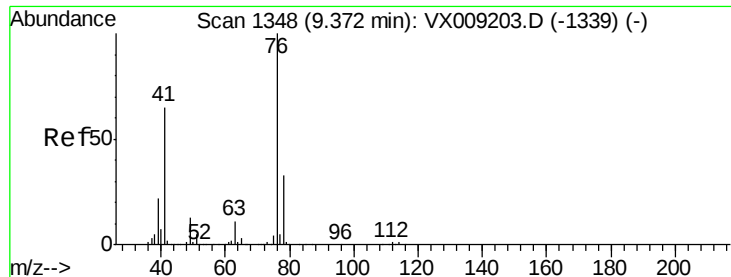
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

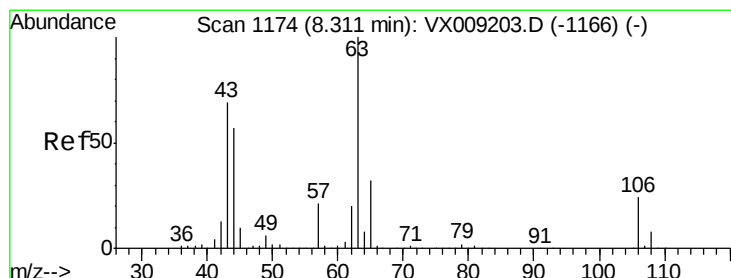
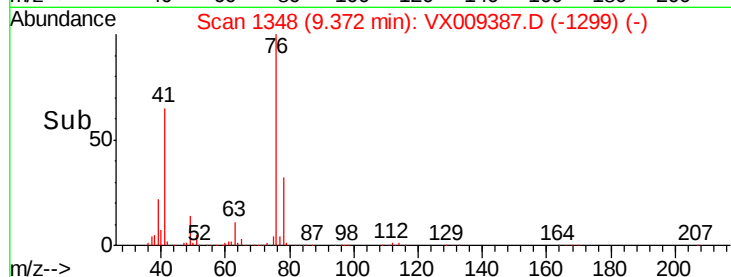
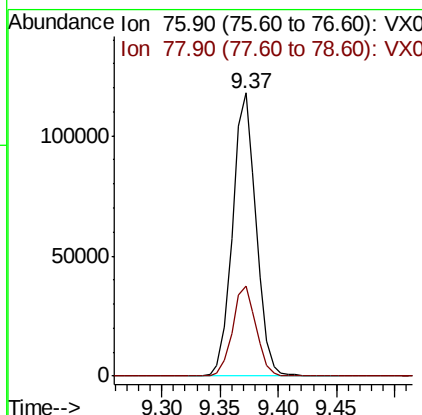
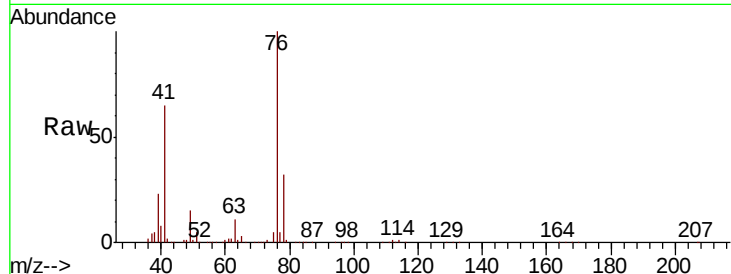




#57
 1,3-Dichloropropane
 Concen: 49.721 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

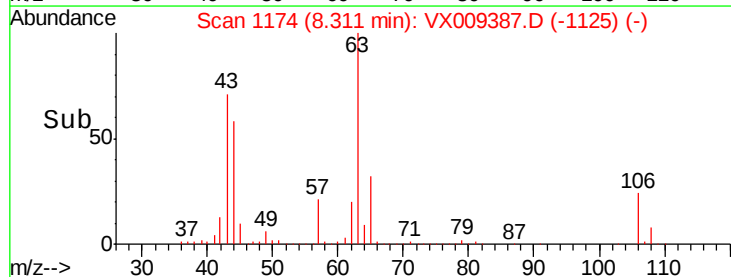
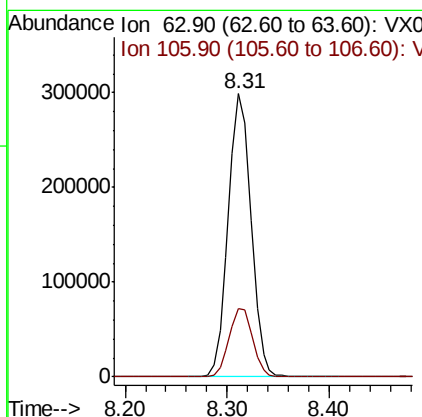
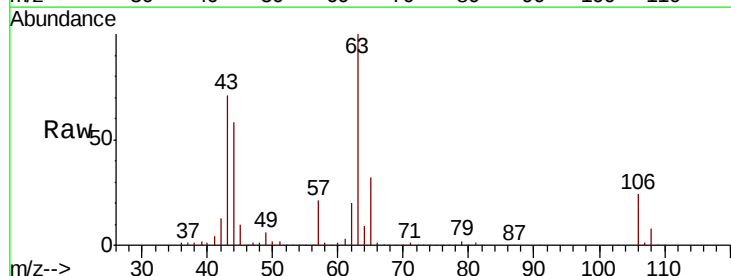
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

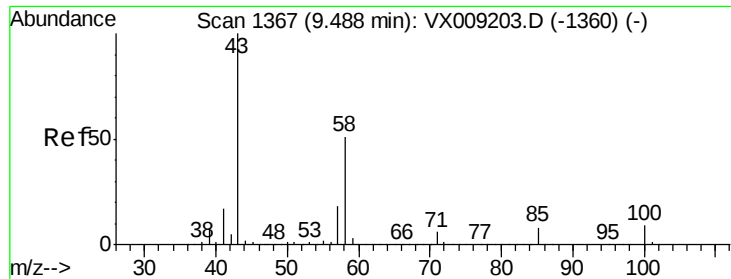
Tot Ion: 76 Resp: 165762
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.275 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Tgt Ion: 63 Resp: 463354
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.7 29.5

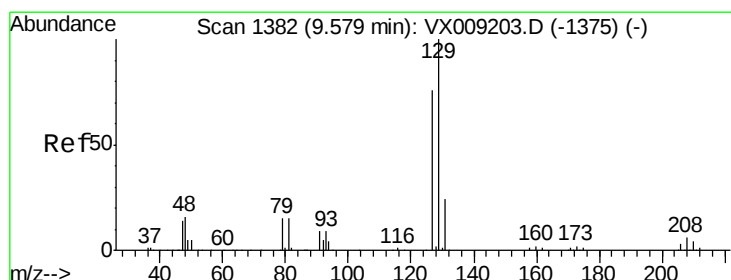
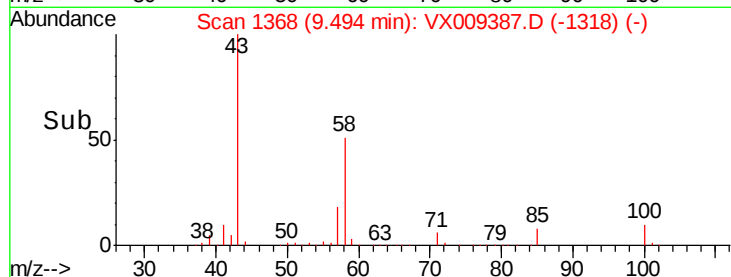
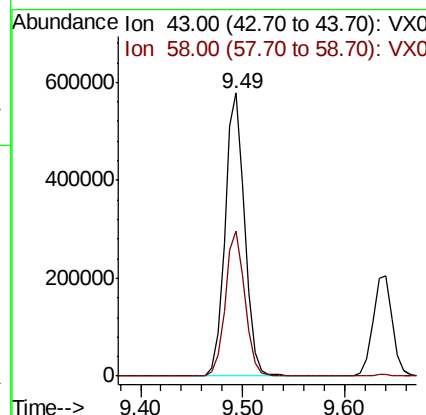
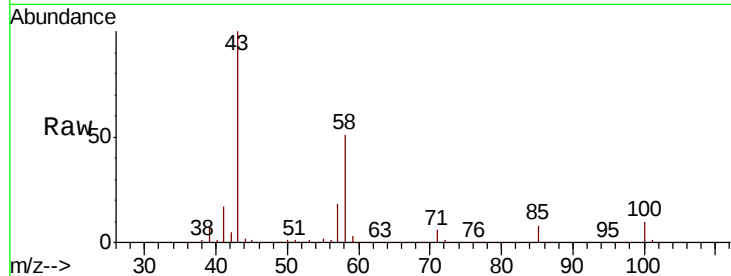




#59
2-Hexanone
Concen: 272.883 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

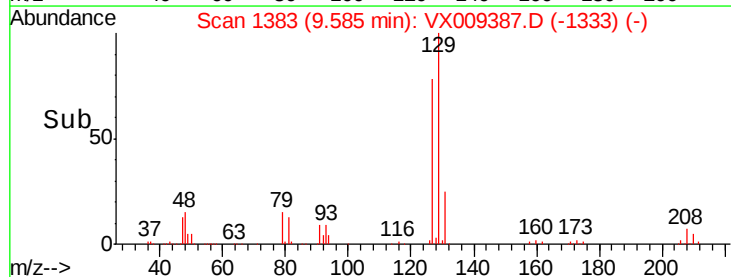
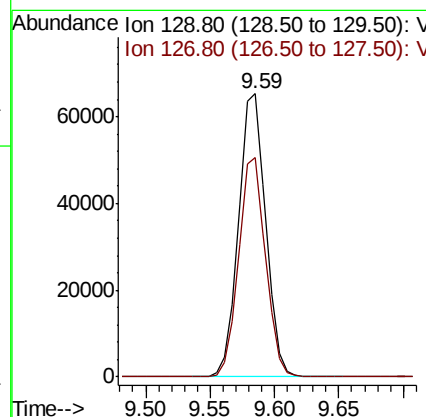
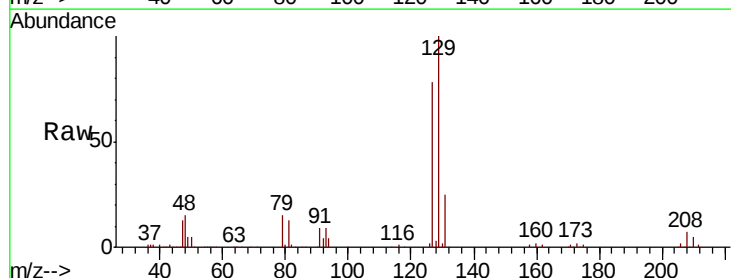
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

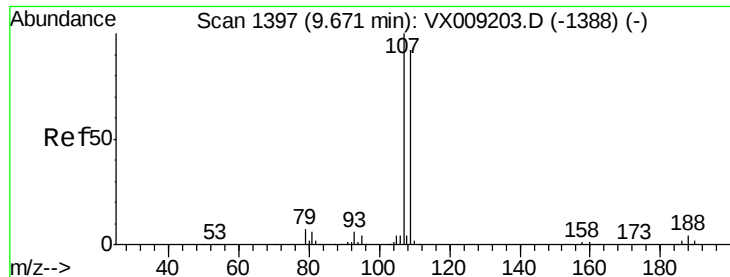
Tot Ion: 43 Resp: 770628
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7



#60
Dibromochloromethane
Concen: 51.692 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion:129 Resp: 95648
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 49.633 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

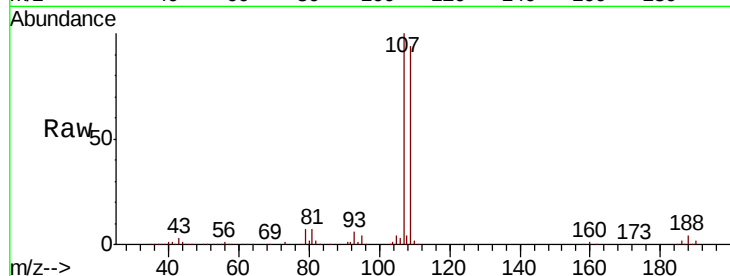
VSTDCCC050EC

Tot Ion:107 Resp: 94917

Ion Ratio Lower Upper

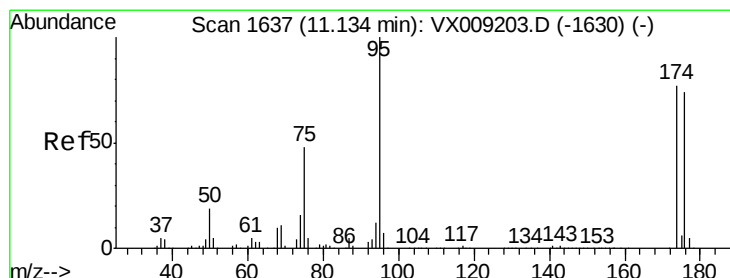
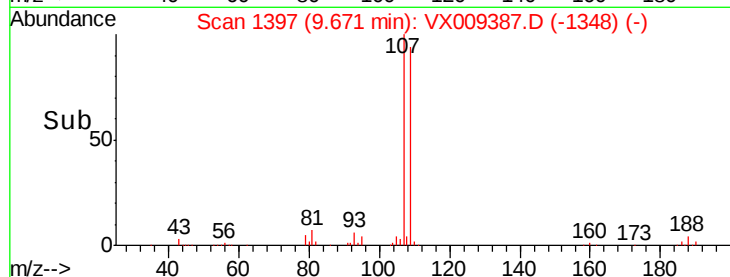
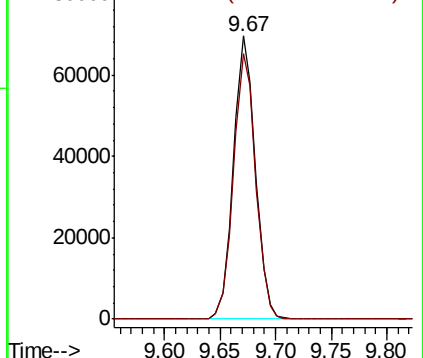
107 100

109 95.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.286 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

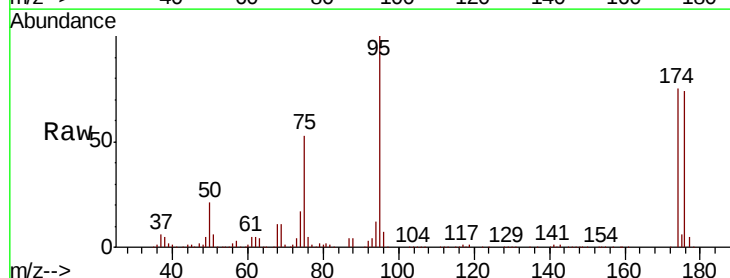
Tgt Ion: 95 Resp: 123176

Ion Ratio Lower Upper

95 100

174 81.0 0.0 161.6

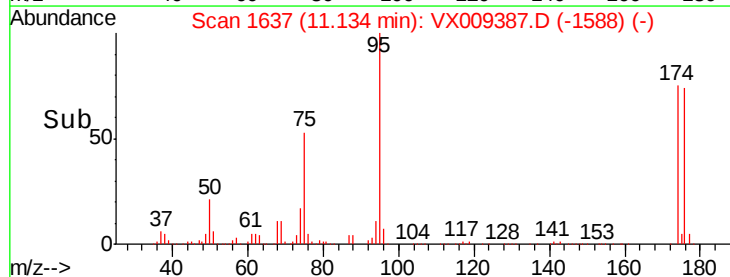
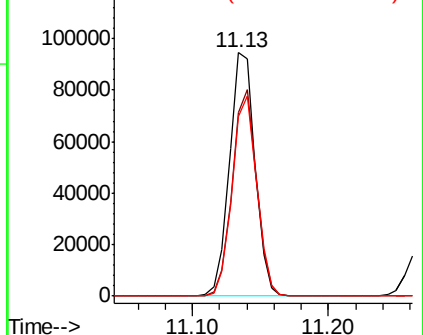
176 79.5 0.0 159.2

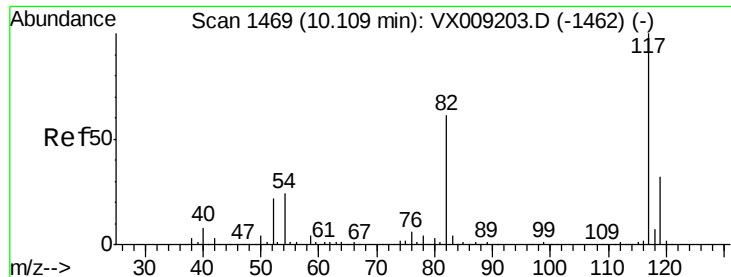


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

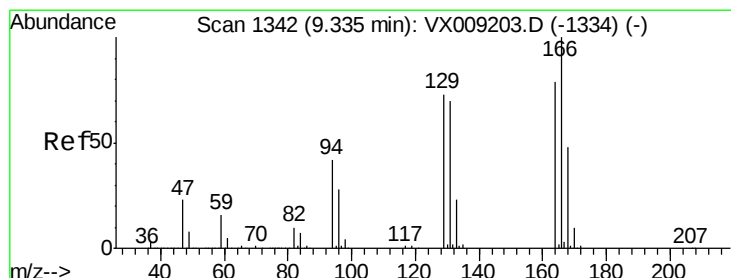
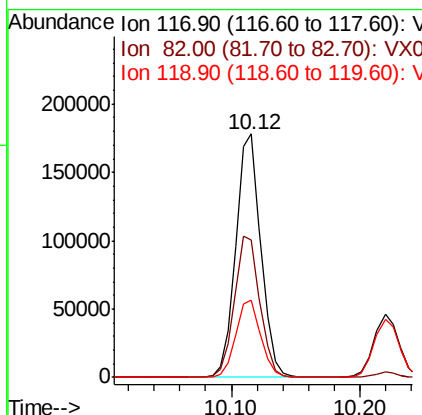
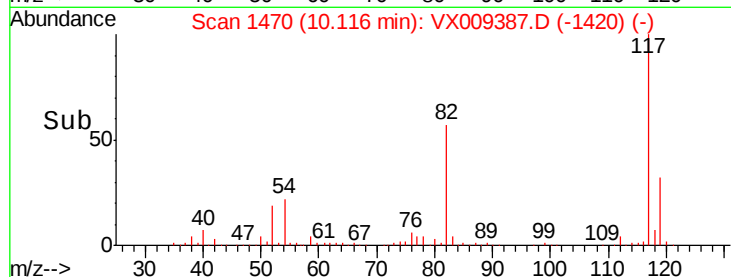
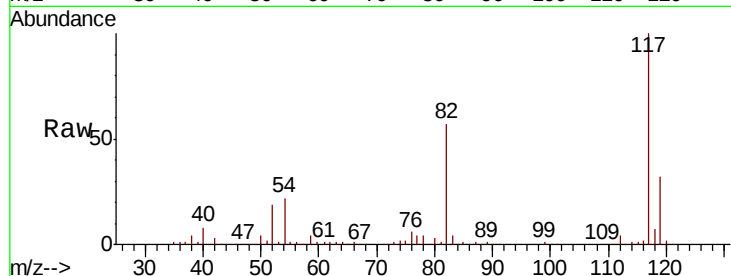




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

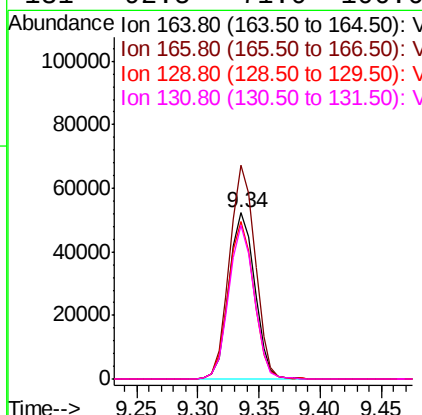
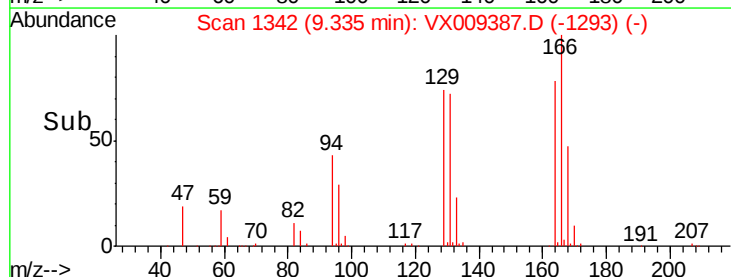
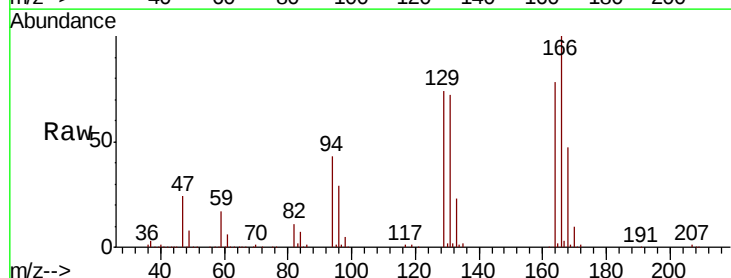
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

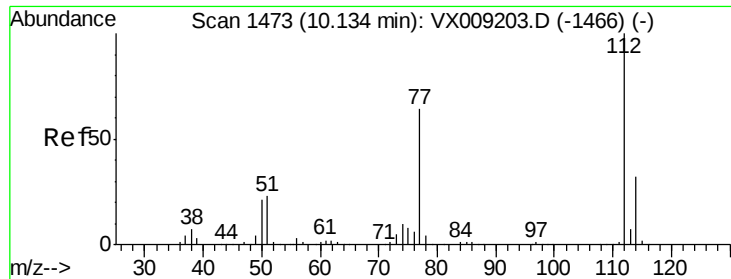
Tot Ion:117 Resp: 240370
Ion Ratio Lower Upper
117 100
82 56.7 48.8 73.2
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 46.310 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion:164 Resp: 76358
Ion Ratio Lower Upper
164 100
166 128.4 101.2 151.8
129 94.5 74.3 111.5
131 92.5 71.0 106.6

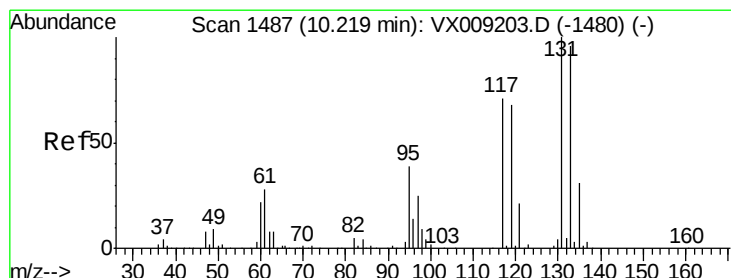
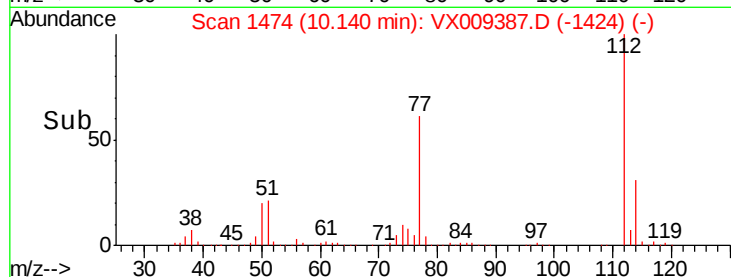
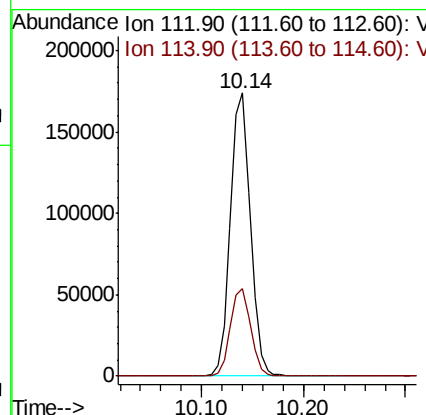
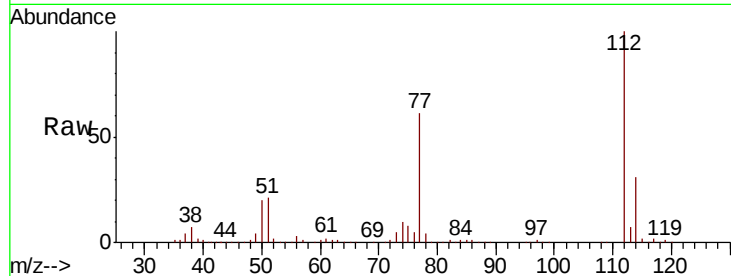




#65
Chlorobenzene
Concen: 49.150 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

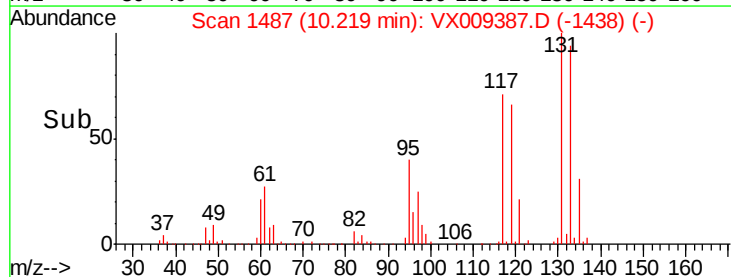
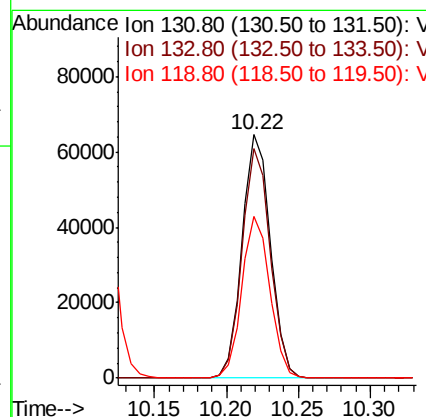
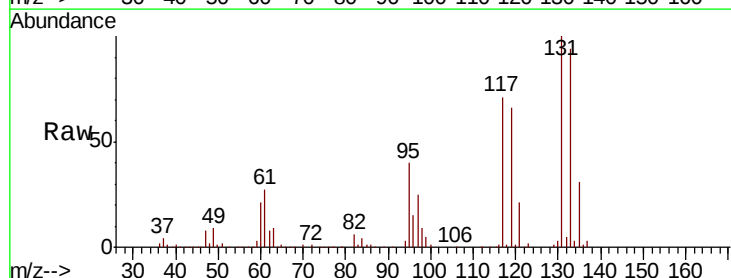
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

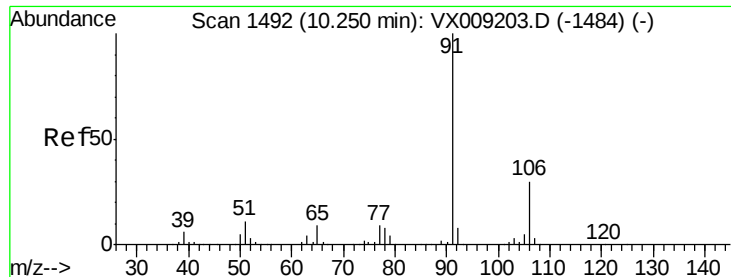
Tot Ion:112 Resp: 236335
Ion Ratio Lower Upper
112 100
114 31.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 50.686 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion:131 Resp: 88359
Ion Ratio Lower Upper
131 100
133 93.8 47.7 143.1
119 65.4 33.5 100.4





#67

Ethyl Benzene

Concen: 48.771 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

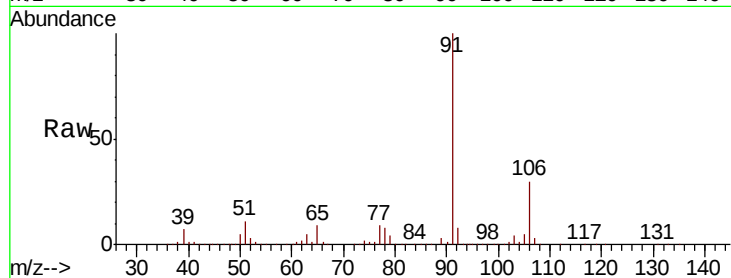
VSTDCCC050EC

Tot Ion: 91 Resp: 431592

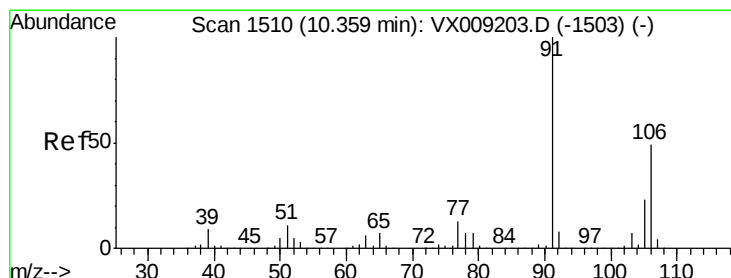
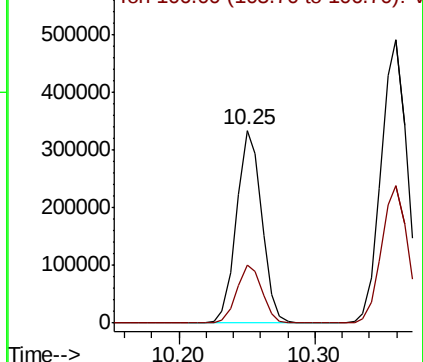
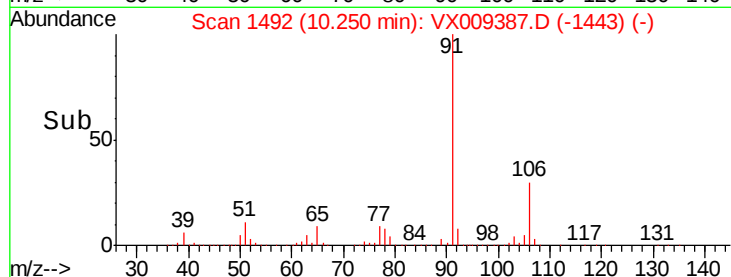
Ion Ratio Lower Upper

91 100

106 30.3 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX009387.D (-1443) (-)



#68

m/p-Xylenes

Concen: 98.565 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009387.D

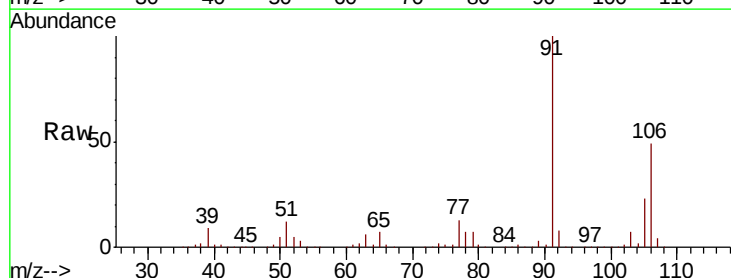
Acq: 07 May 2019 19:15

Tgt Ion: 106 Resp: 318747

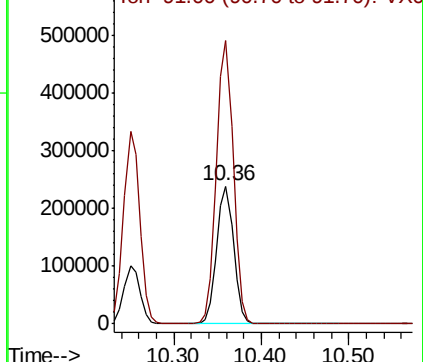
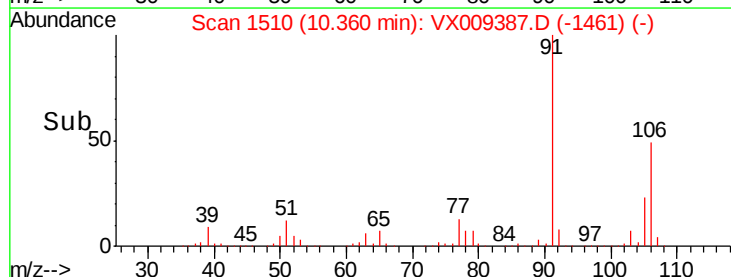
Ion Ratio Lower Upper

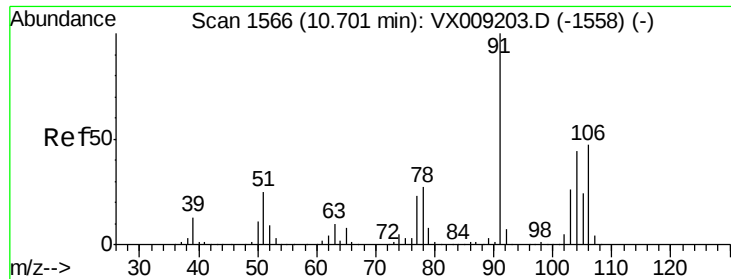
106 100

91 205.7 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009387.D (-1461) (-)

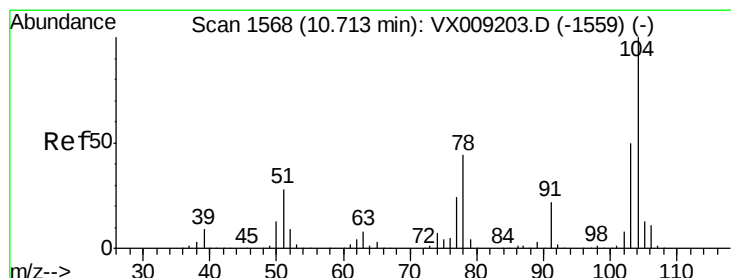
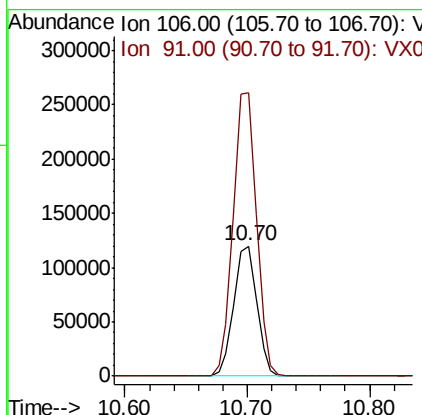
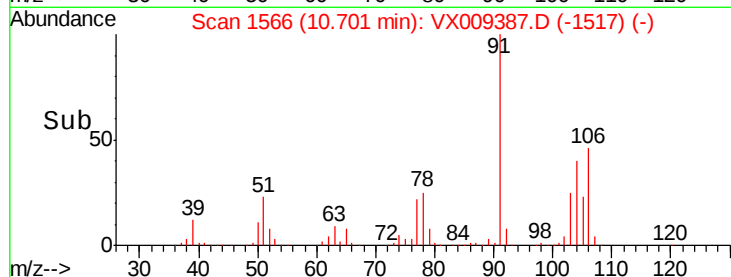
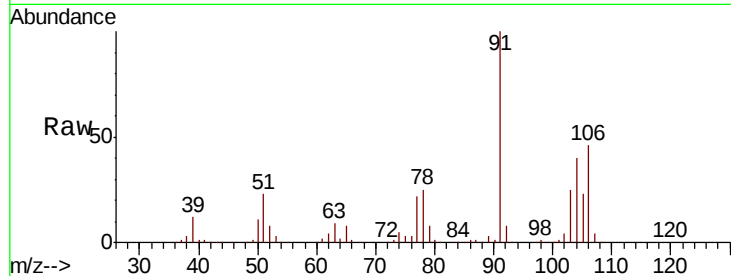




#69
o-Xylene
Concen: 48.937 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

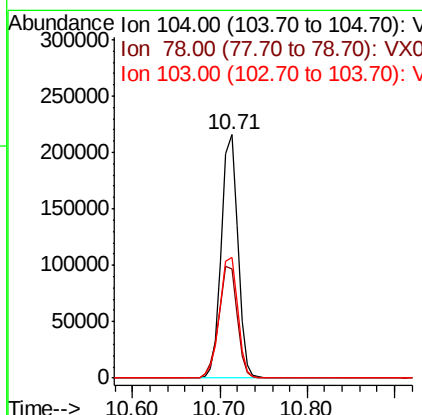
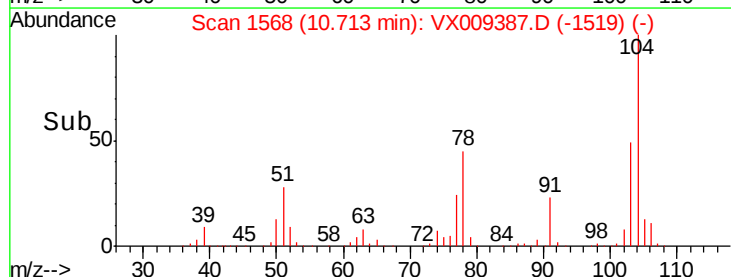
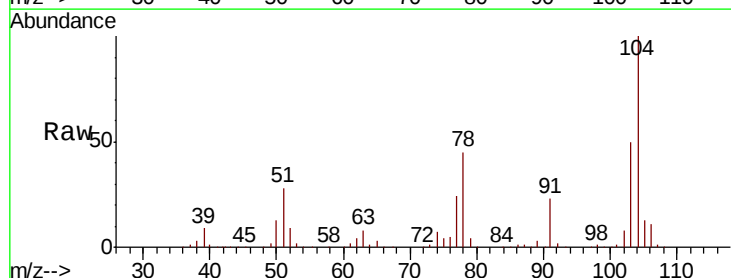
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

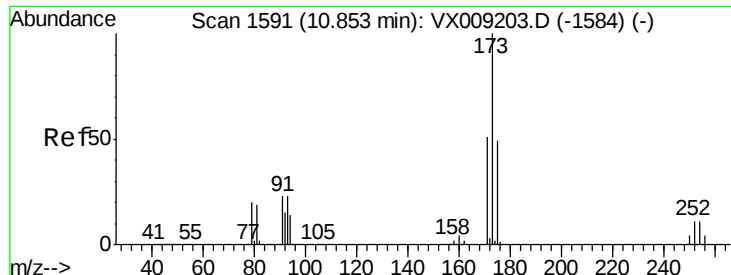
Tot Ion:106 Resp: 156144
Ion Ratio Lower Upper
106 100
91 220.1 109.5 328.4



#70
Styrene
Concen: 50.491 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion:104 Resp: 280005
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.4
103 55.0 43.8 65.6





#71

Bromoform

Concen: 52.471 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

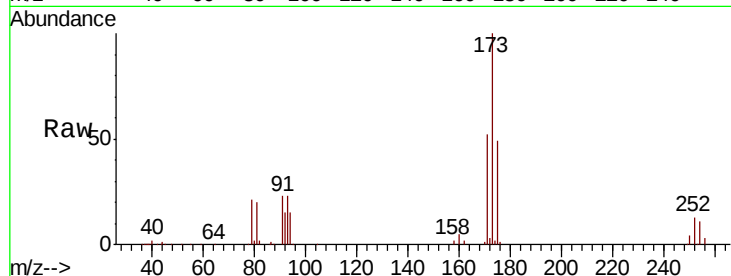
Tot Ion:173 Resp: 74334

Ion Ratio Lower Upper

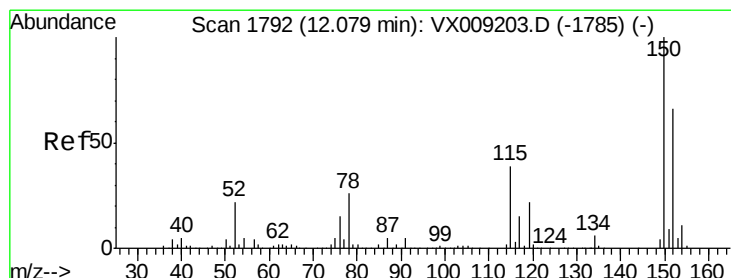
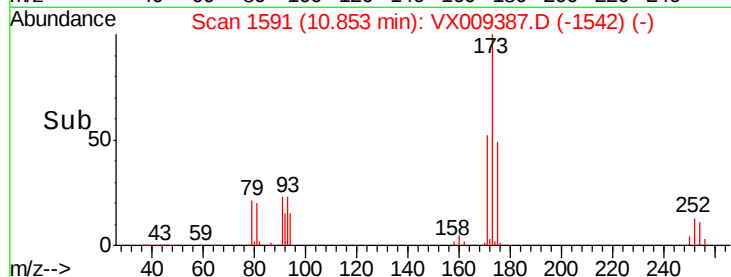
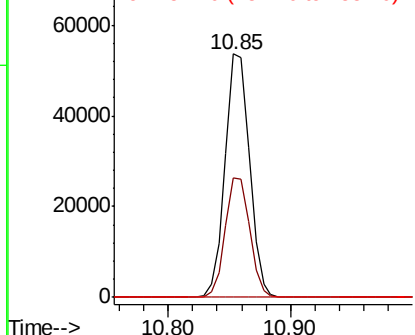
173 100

175 49.3 24.5 73.5

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

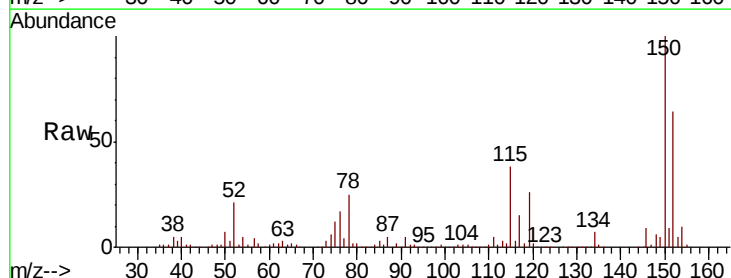
Tgt Ion:152 Resp: 119531

Ion Ratio Lower Upper

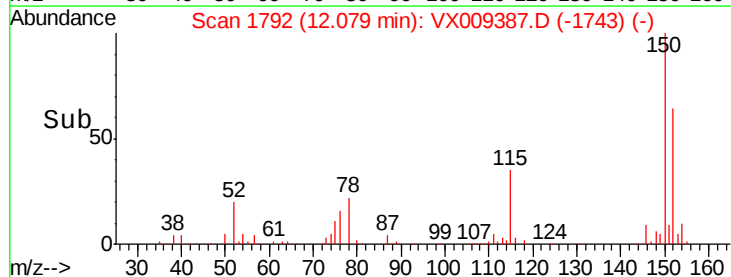
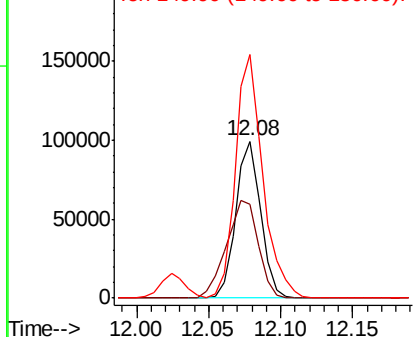
152 100

115 80.5 41.2 123.6

150 171.2 0.0 346.4



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





#73

Isopropylbenzene

Concen: 48.706 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

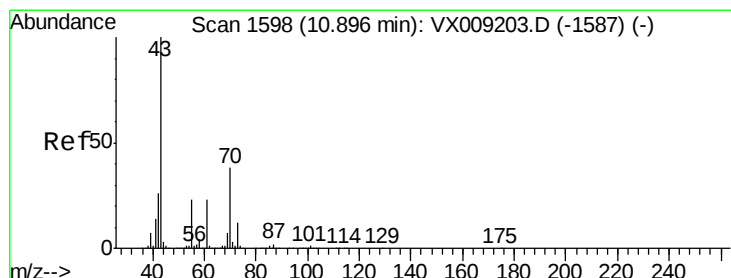
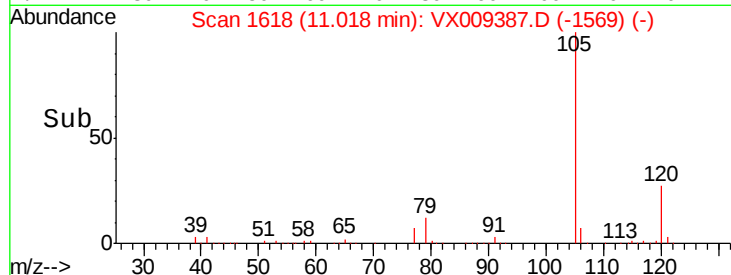
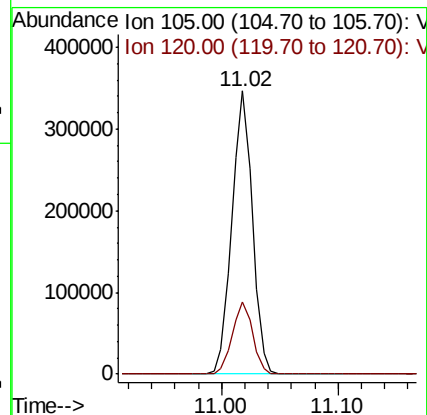
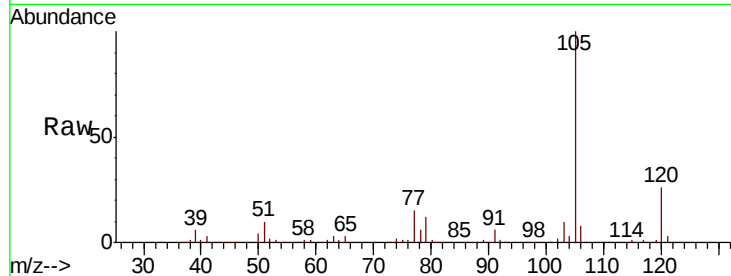
VSTDCCC050EC

Tot Ion:105 Resp: 423361

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#74

N-ethyl acetate

Concen: 51.827 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion: 43 Resp: 262639

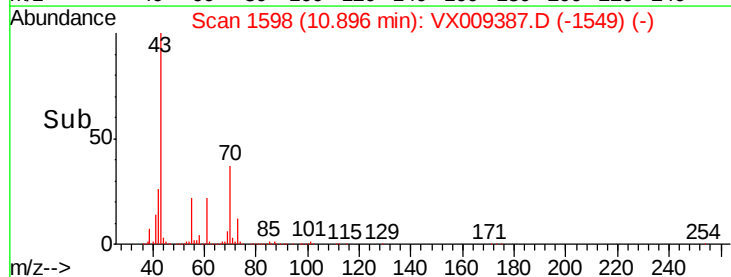
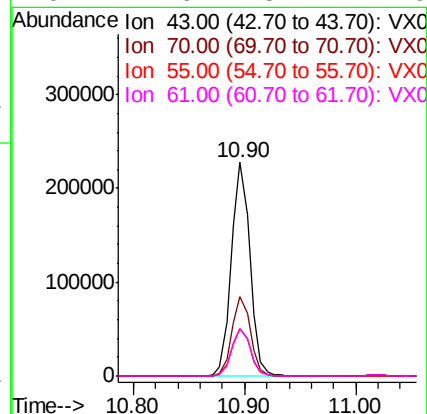
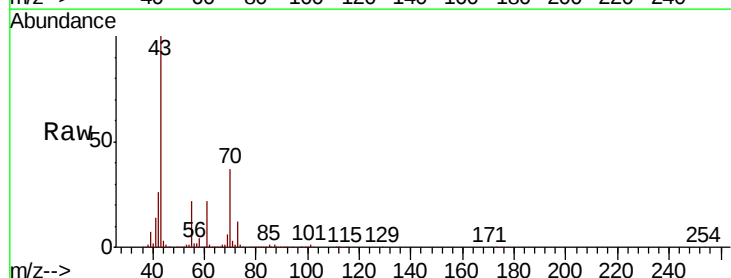
Ion Ratio Lower Upper

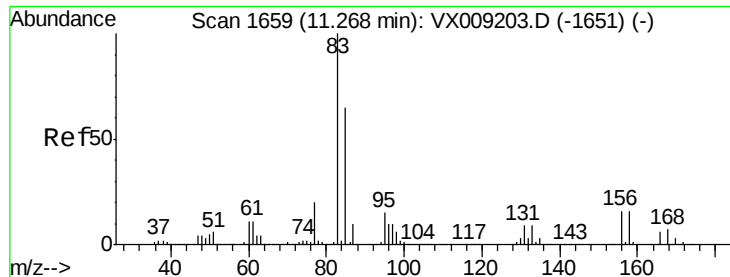
43 100

70 37.3 30.0 45.0

55 22.5 17.9 26.9

61 22.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.819 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

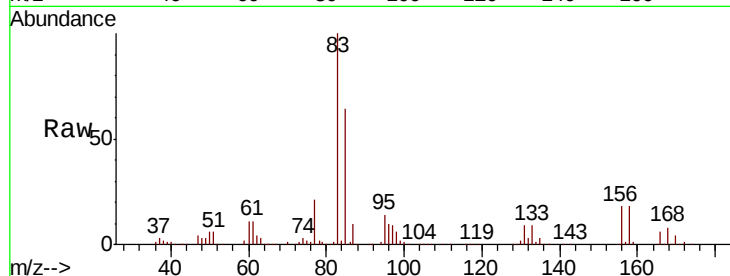
Tot Ion: 83 Resp: 164669

Ion Ratio Lower Upper

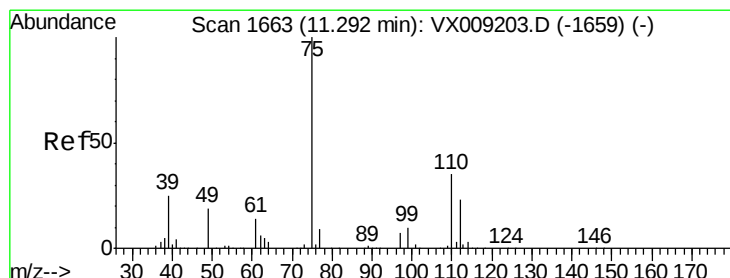
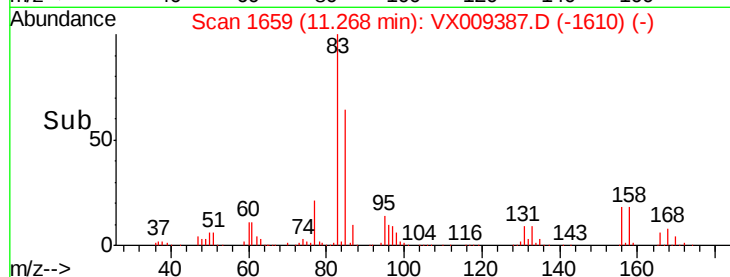
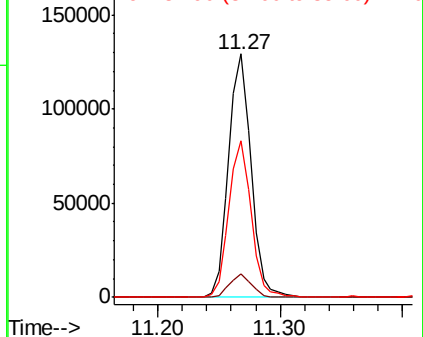
83 100

131 9.3 4.6 13.8

85 63.7 32.0 96.2



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: 69.127 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009387.D

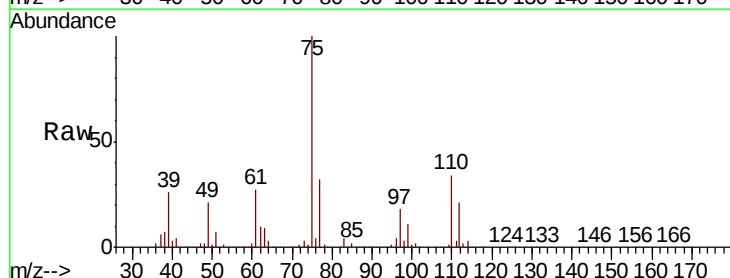
Acq: 07 May 2019 19:15

Tgt Ion: 75 Resp: 191668

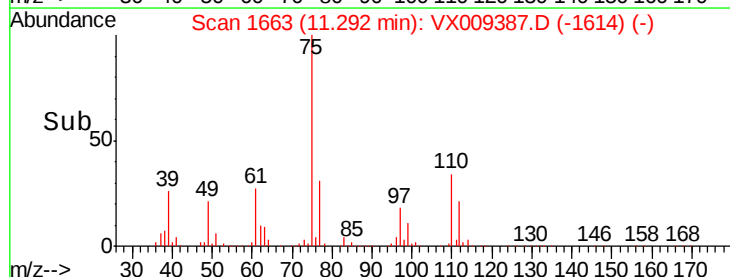
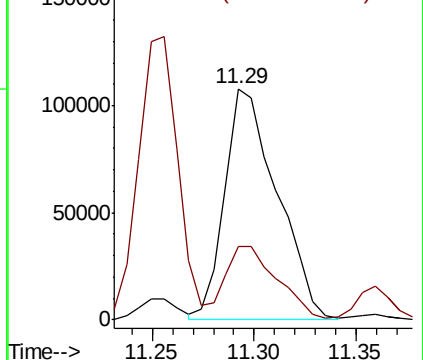
Ion Ratio Lower Upper

75 100

77 32.3 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: 48.885 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

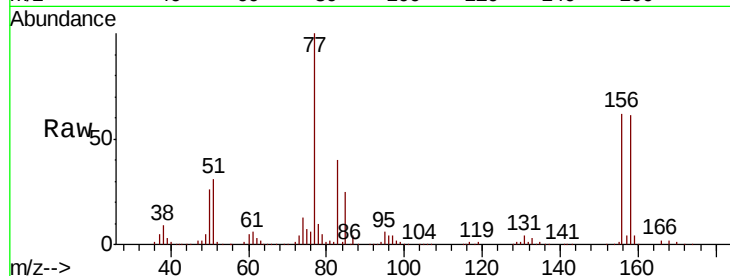
Tot Ion:156 Resp: 105465

Ion Ratio Lower Upper

156 100

77 167.4 84.8 254.3

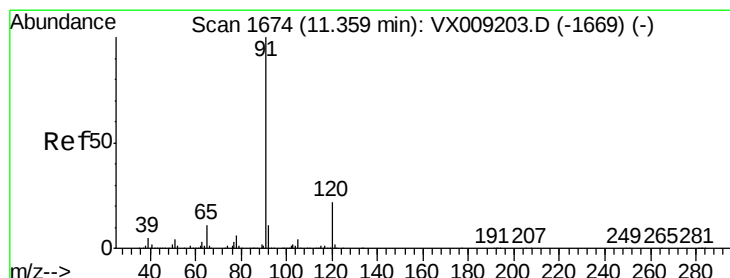
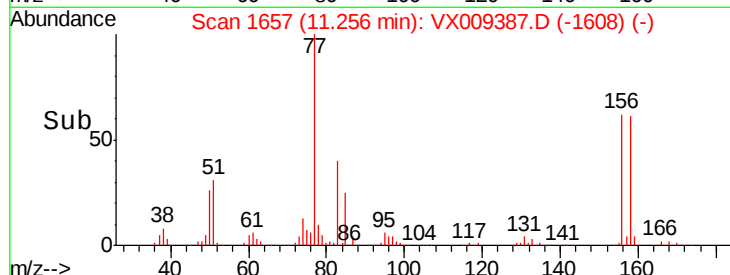
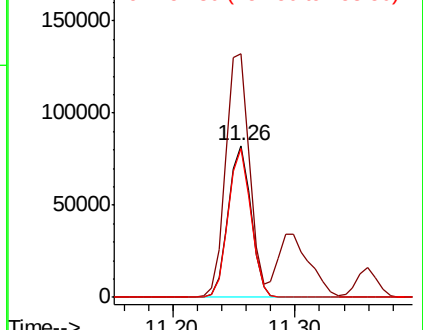
158 97.7 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.286 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009387.D

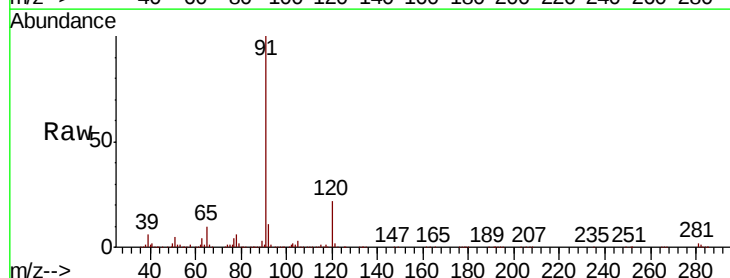
Acq: 07 May 2019 19:15

Tgt Ion: 91 Resp: 479329

Ion Ratio Lower Upper

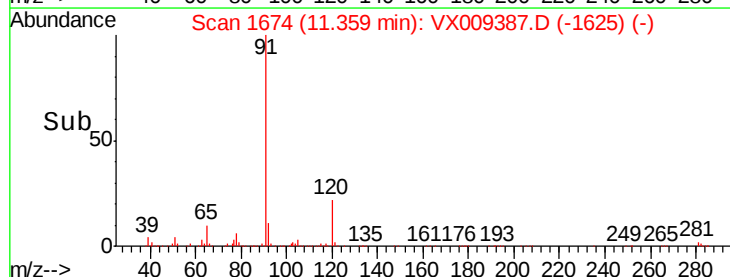
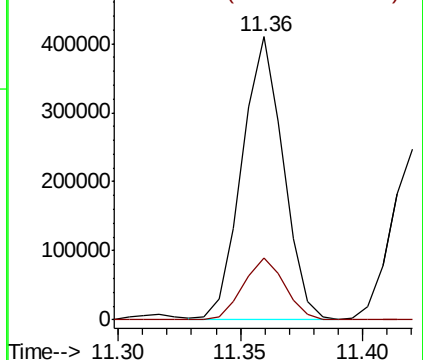
91 100

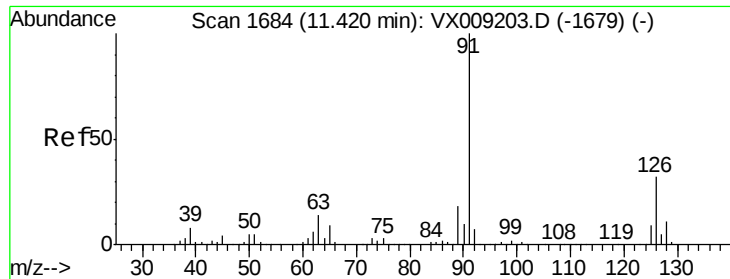
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

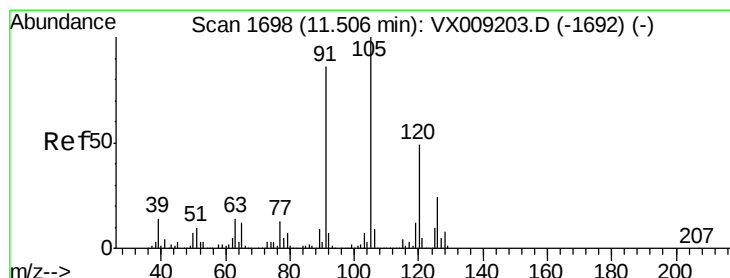
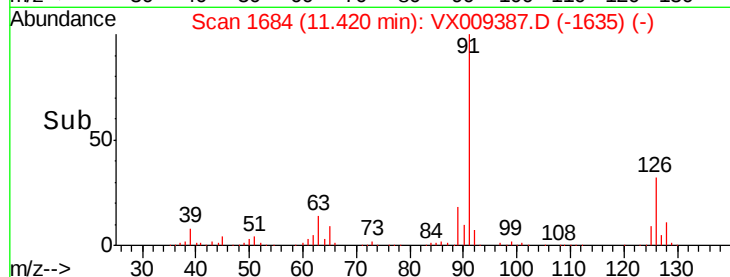
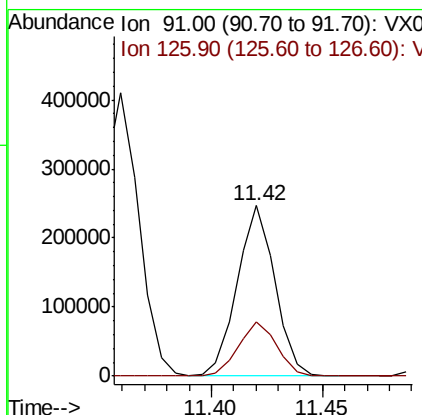
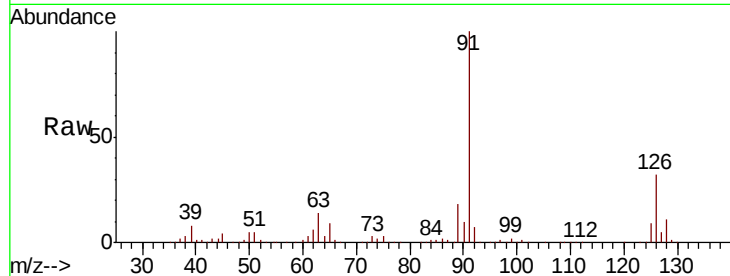




#79
 2-Chlorotoluene
 Concen: 47.407 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

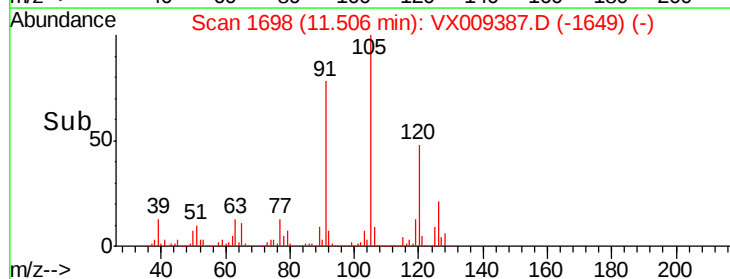
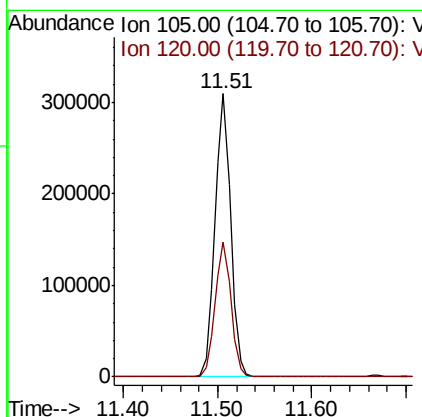
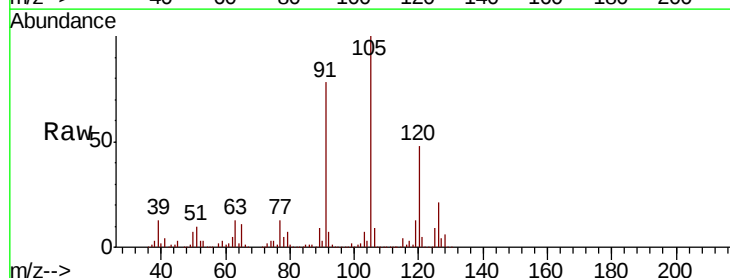
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

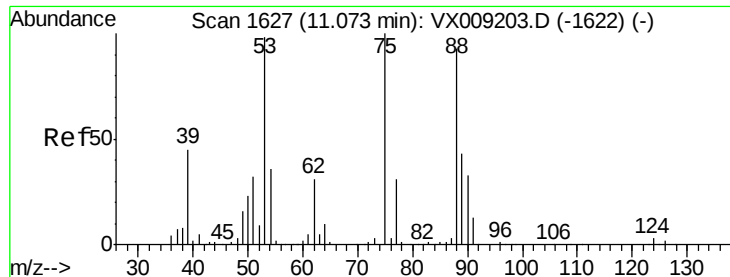
Tot Ion: 91 Resp: 290337
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 48.752 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Tgt Ion: 105 Resp: 356809
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 48.888 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

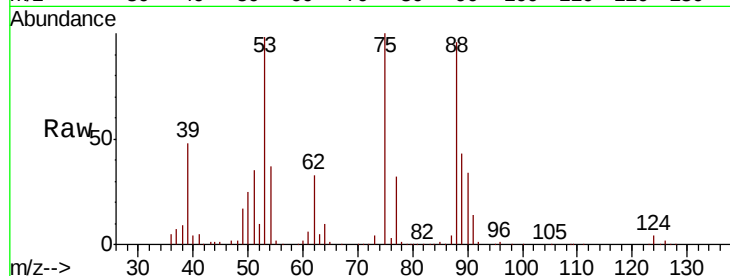
Tot Ion: 75 Resp: 52978

Ion Ratio Lower Upper

75 100

53 100.2 79.0 118.6

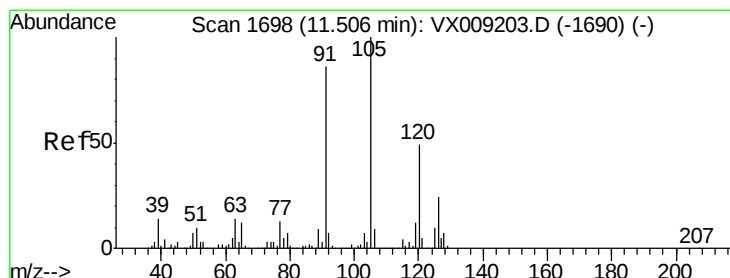
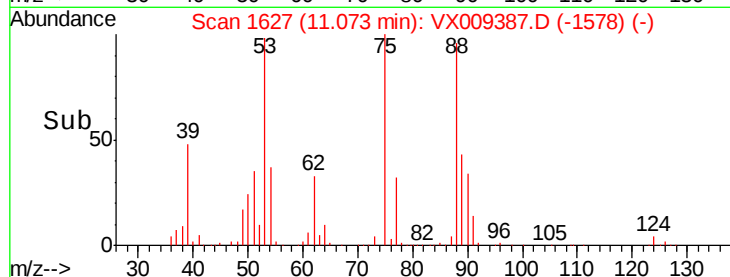
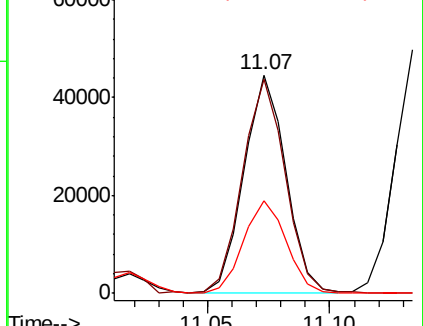
89 44.0 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.323 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009387.D

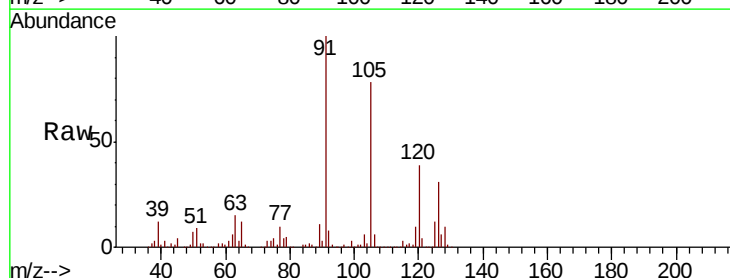
Acq: 07 May 2019 19:15

Tgt Ion: 91 Resp: 334339

Ion Ratio Lower Upper

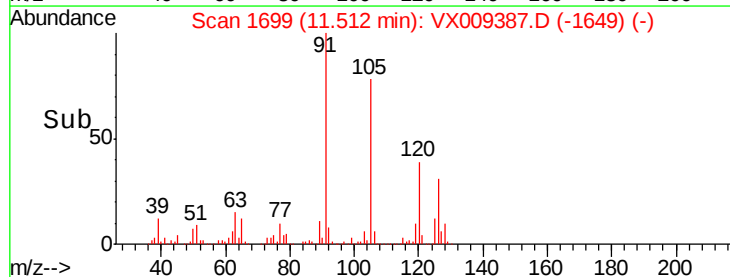
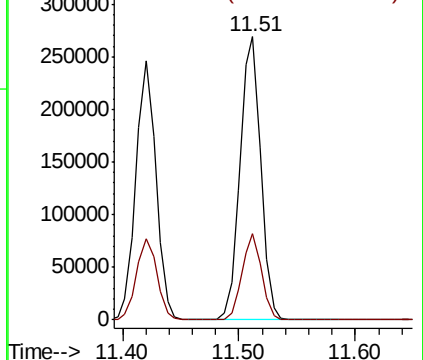
91 100

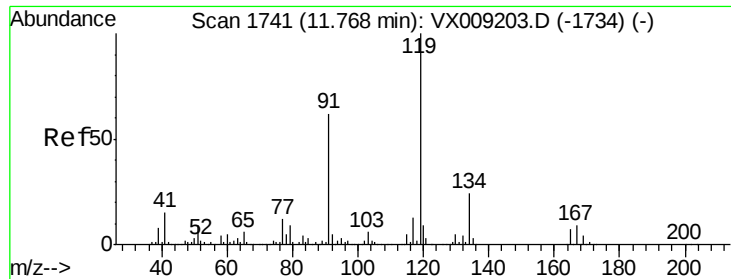
126 28.8 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

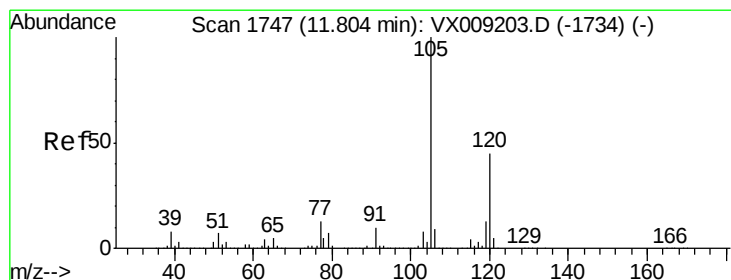
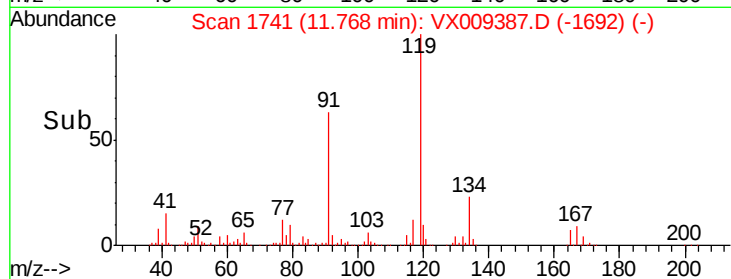
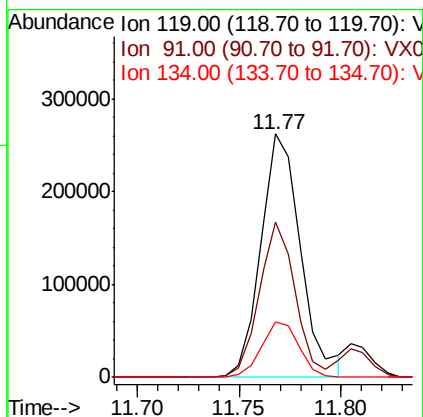
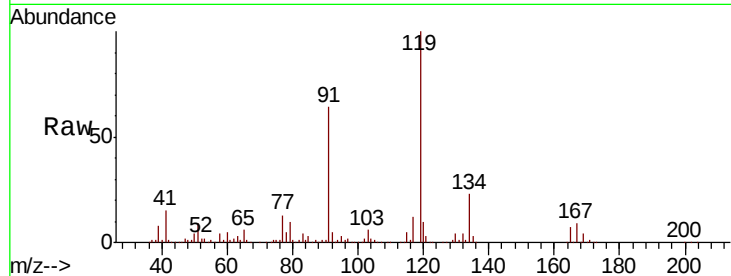




#83
tert-Butylbenzene
Concen: 50.005 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

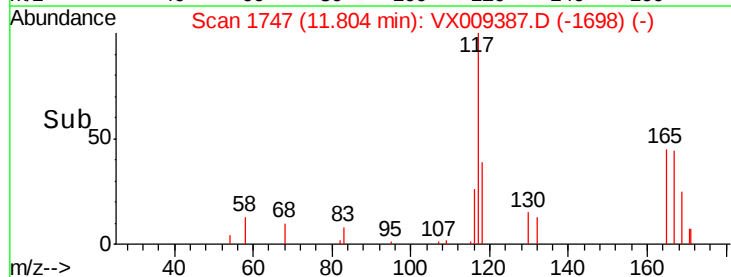
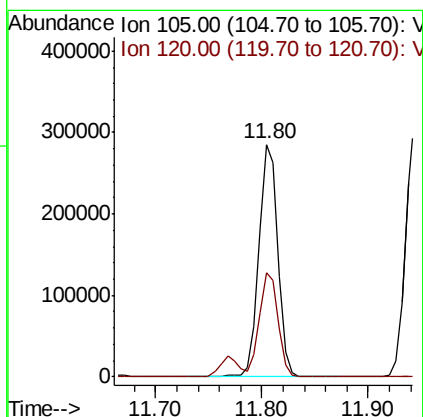
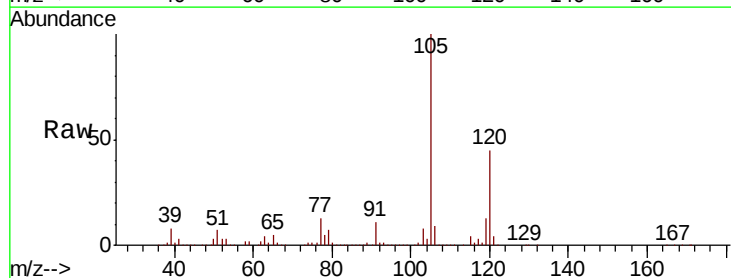
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

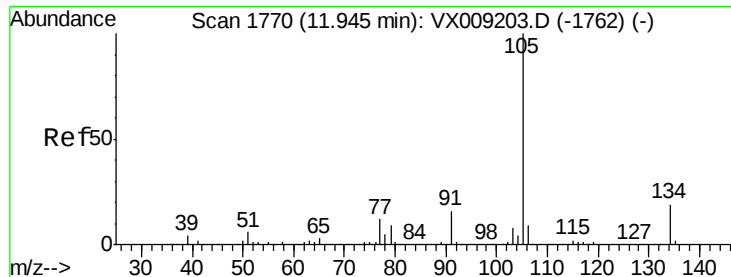
Tot Ion:119 Resp: 356019
Ion Ratio Lower Upper
119 100
91 57.7 29.5 88.5
134 21.8 11.4 34.1



#84
1,2,4-Trimethylbenzene
Concen: 48.393 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion:105 Resp: 355510
Ion Ratio Lower Upper
105 100
120 44.2 22.0 66.0





#85

sec-Butylbenzene

Concen: 48.670 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

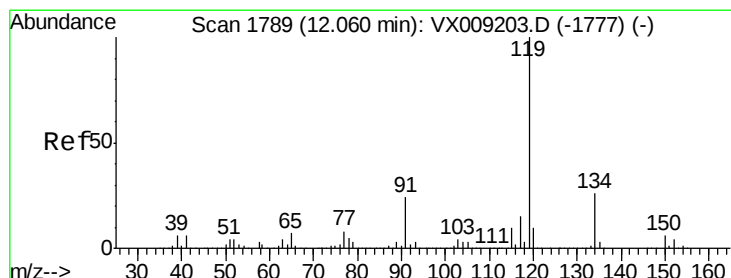
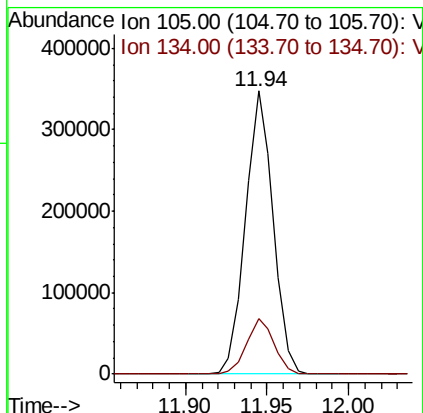
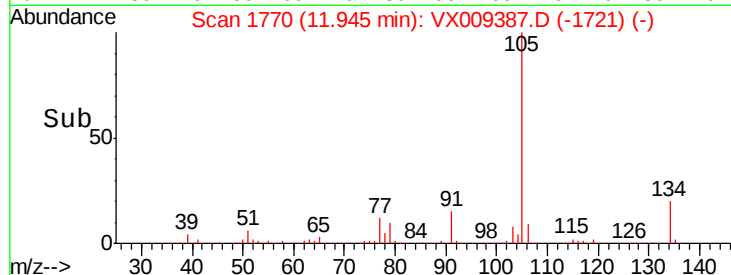
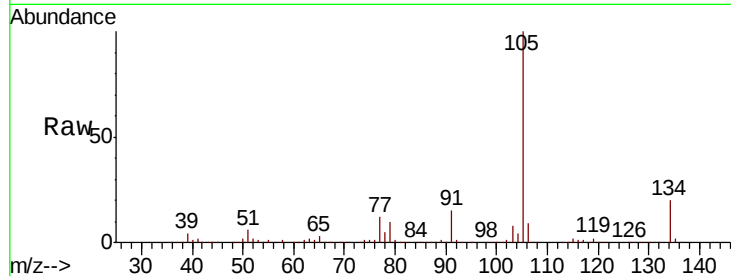
VSTDCCC050EC

Tot Ion:105 Resp: 410822

Ion Ratio Lower Upper

105 100

134 19.6 9.7 28.9



#86

p-Isopropyltoluene

Concen: 49.013 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

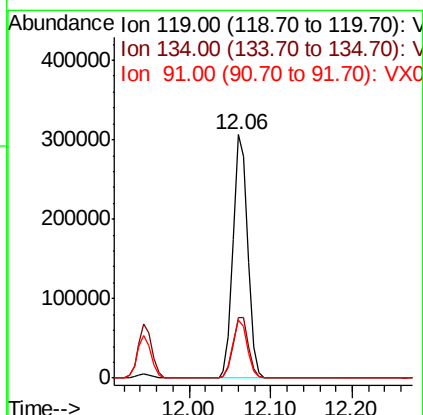
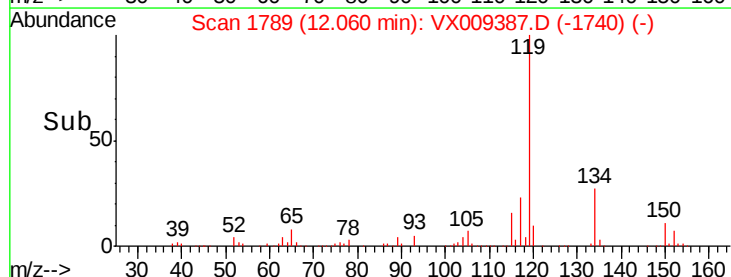
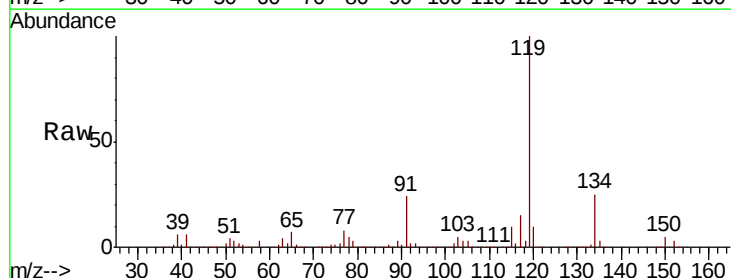
Tgt Ion:119 Resp: 371932

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.9 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 48.840 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

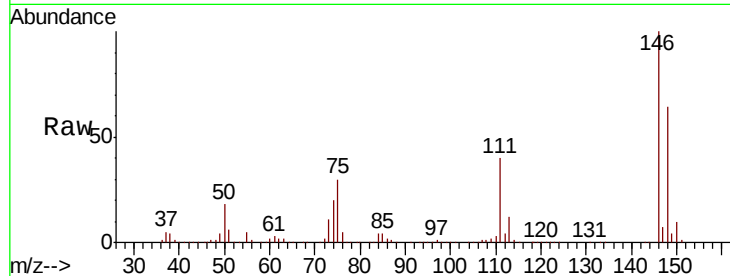
Tot Ion:146 Resp: 187839

Ion Ratio Lower Upper

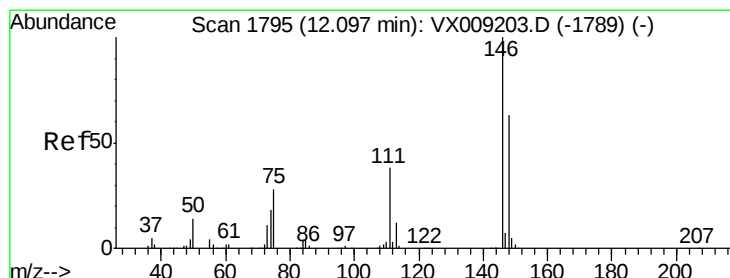
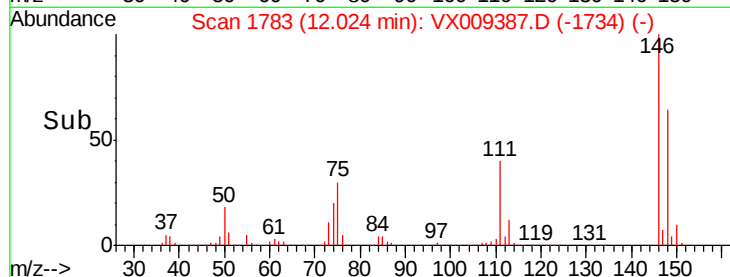
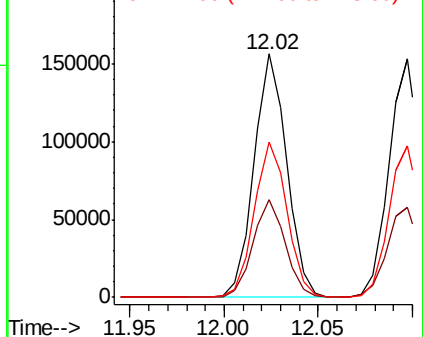
146 100

111 39.6 20.0 59.9

148 64.1 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.828 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

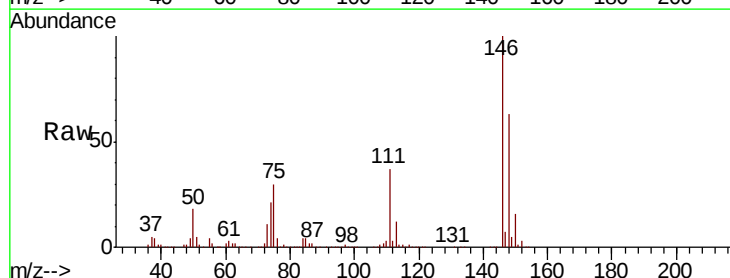
Tgt Ion:146 Resp: 185452

Ion Ratio Lower Upper

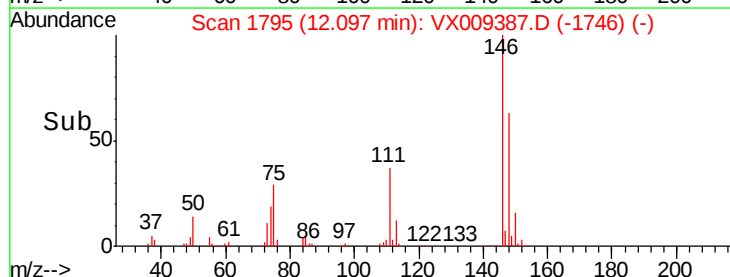
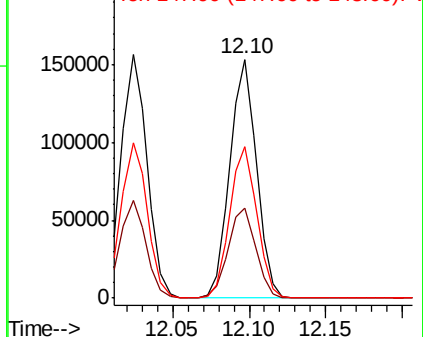
146 100

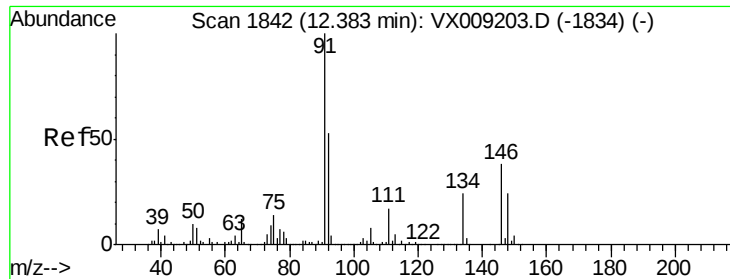
111 38.9 19.6 58.8

148 64.2 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 48.864 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

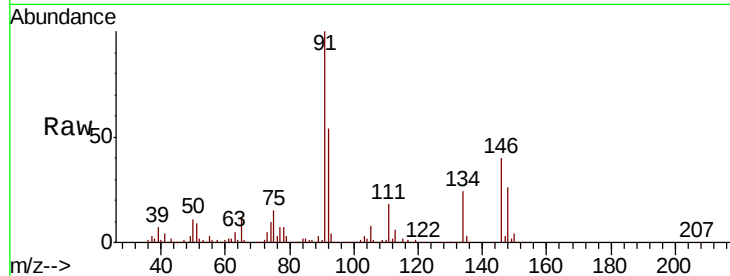
Tot Ion: 91 Resp: 335142

Ion Ratio Lower Upper

91 100

92 53.0 26.5 79.5

134 25.0 12.4 37.2

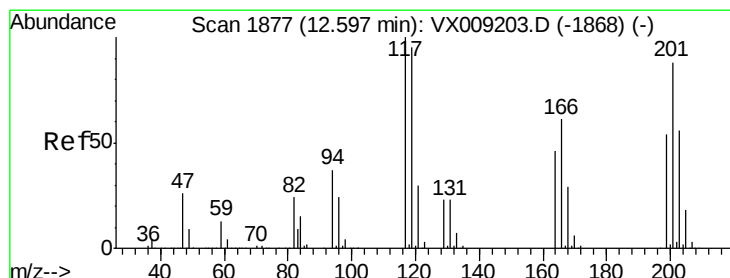
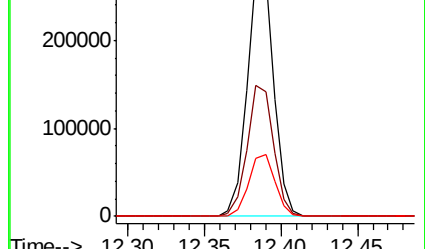
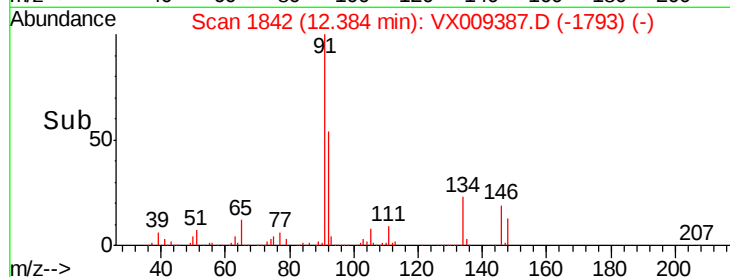


Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1834) (-)

Ion 92.00 (91.70 to 92.70): VX009203.D (-1834) (-)

Ion 134.00 (133.70 to 134.70): VX009203.D (-1834) (-)

Time-->



#90

Hexachloroethane

Concen: 49.144 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX009387.D

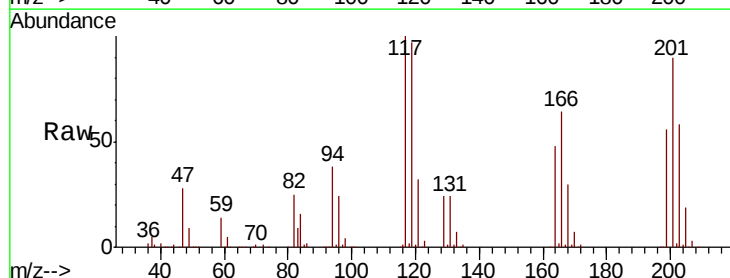
Acq: 07 May 2019 19:15

Tgt Ion: 117 Resp: 63534

Ion Ratio Lower Upper

117 100

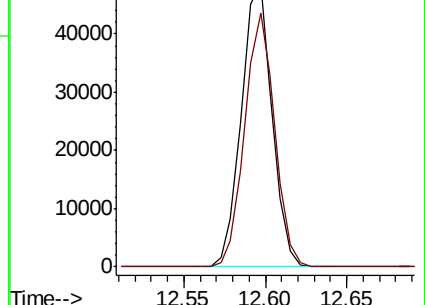
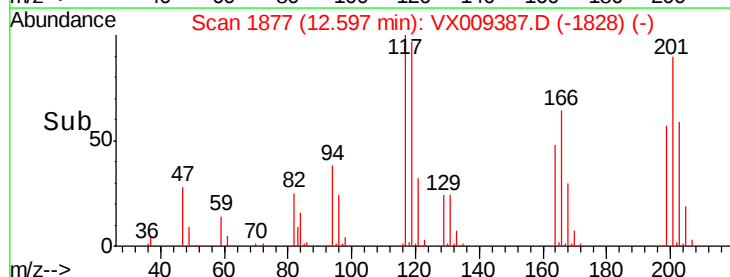
201 87.7 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): VX009203.D (-1868) (-)

Ion 200.70 (200.40 to 201.40): VX009203.D (-1868) (-)

Time-->

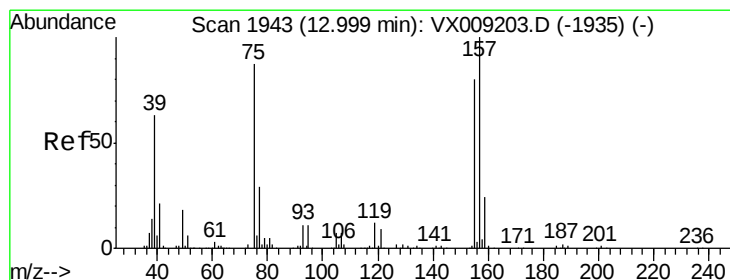
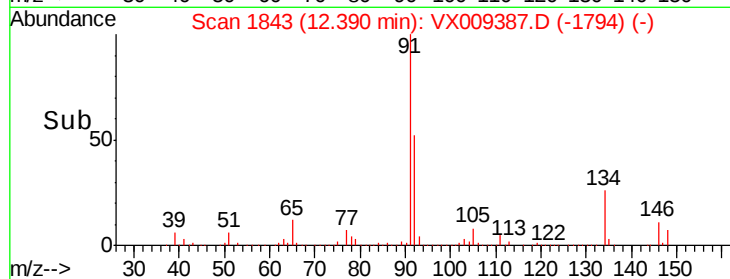
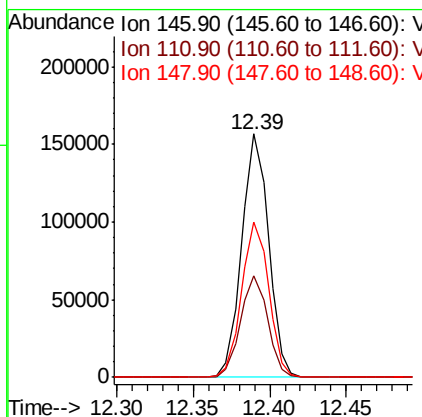
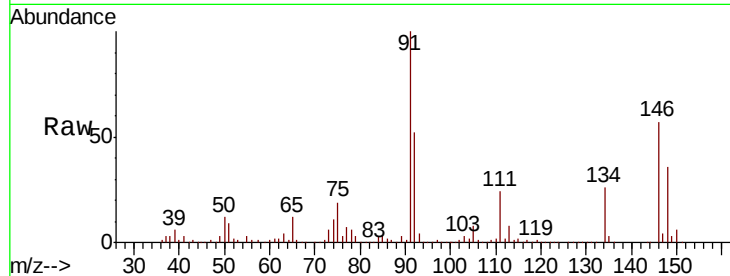




#91
 1,2-Dichlorobenzene
 Concen: 48.896 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

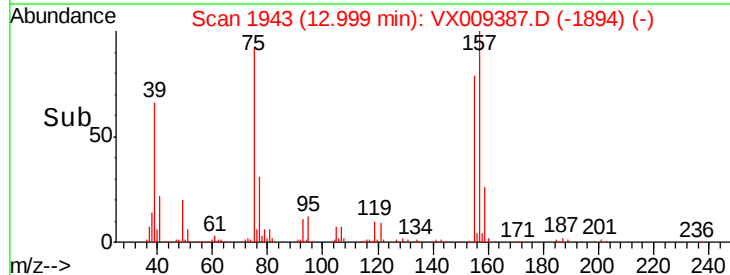
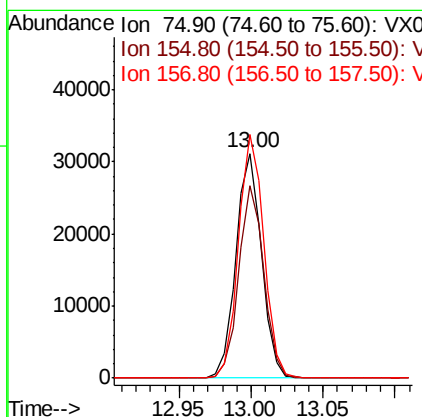
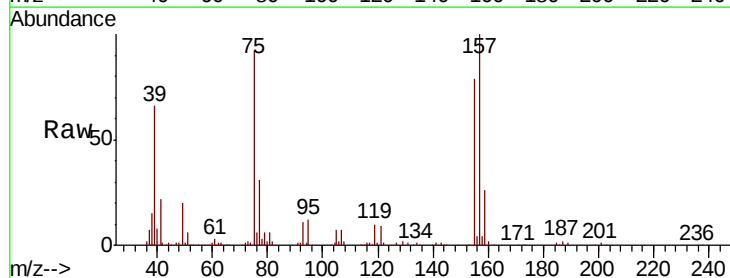
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

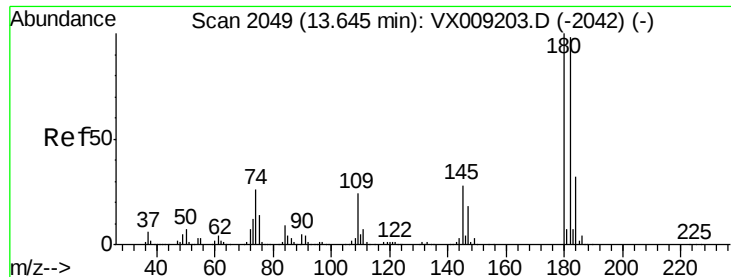
Tot Ion:146 Resp: 191540
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.8 62.4
 148 64.1 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.198 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Tgt Ion: 75 Resp: 38669
 Ion Ratio Lower Upper
 75 100
 155 83.4 42.0 126.0
 157 107.0 53.2 159.6

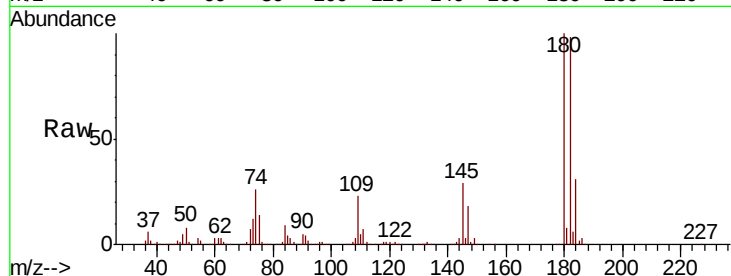




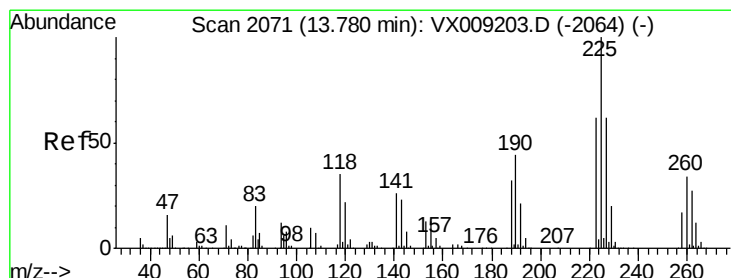
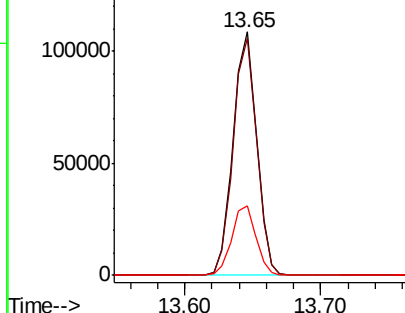
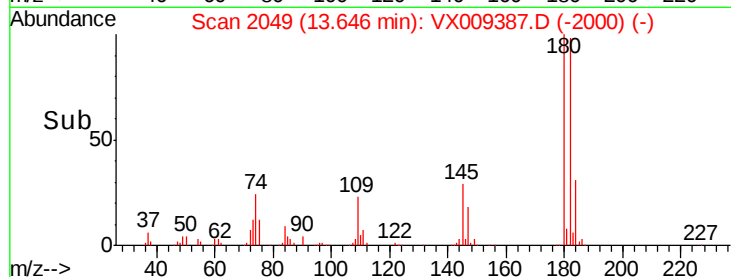
#93
 1,2,4-Trichlorobenzene
 Concen: 49.264 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 131968
 Ion Ratio Lower Upper
 180 100
 182 97.3 48.4 145.2
 145 29.3 14.6 43.8

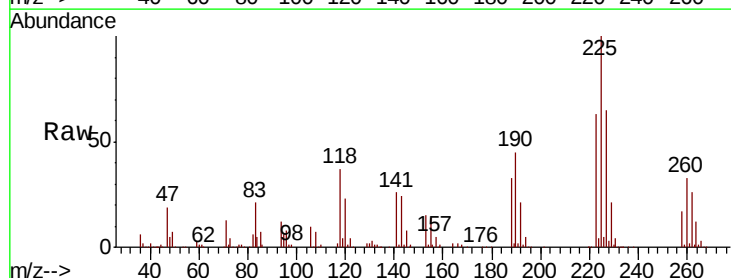


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

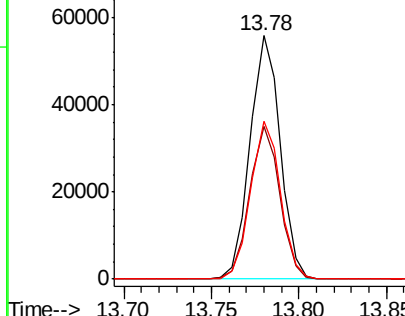
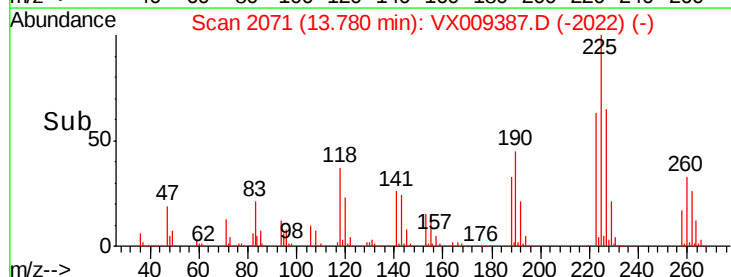


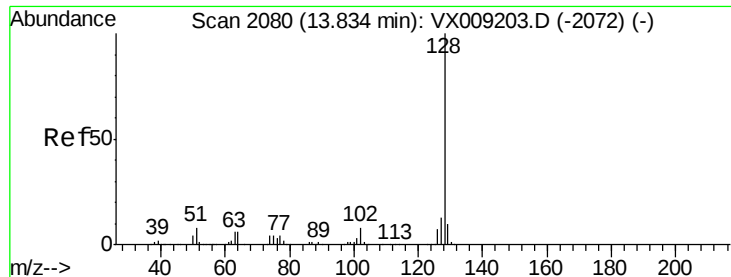
#94
 Hexachlorobutadiene
 Concen: 48.871 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Tgt Ion:225 Resp: 66854
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.3 93.8
 227 64.1 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.846 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

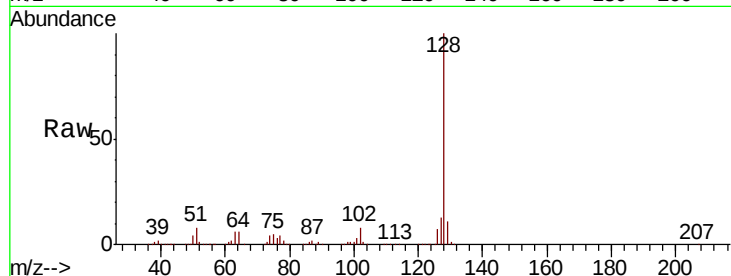
Tot Ion:128 Resp: 451849

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

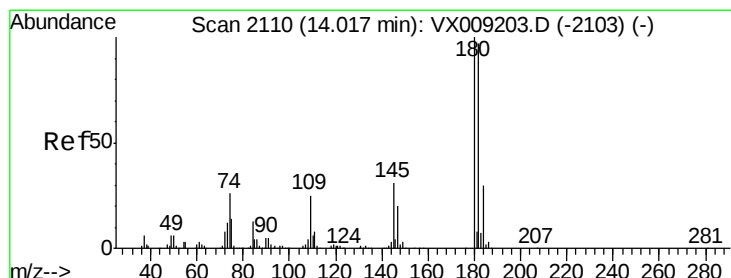
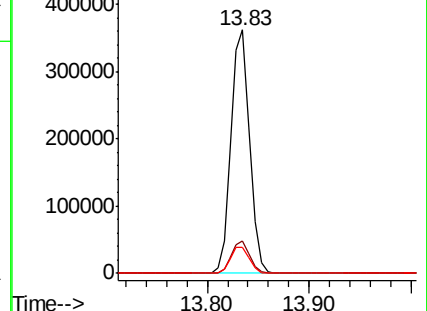
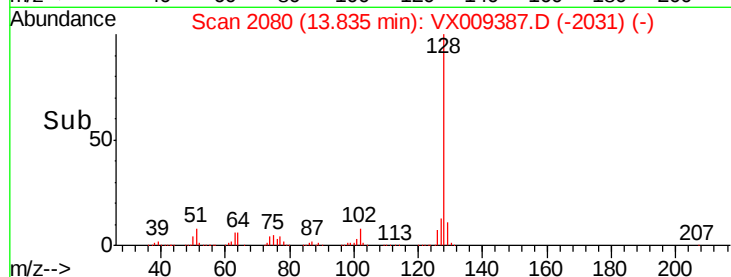
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.675 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

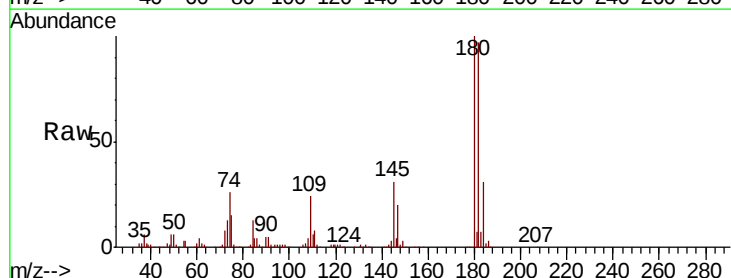
Tgt Ion:180 Resp: 137603

Ion Ratio Lower Upper

180 100

182 95.1 47.8 143.4

145 30.5 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

