

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110520\
 Data File : VV019255.D
 Acq On : 04 Nov 2020 18:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 05 02:29:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 05 02:20:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	230253	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	221882	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	126419	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91309	49.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.80%
7) Chloroethane-d5	1.58	69	75020	52.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.56%
11) 1,1-Dichloroethene-d2	2.12	63	181753	52.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.42%
21) 2-Butanone-d5	3.91	46	123298	110.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.02%
24) Chloroform-d	4.38	84	176048	51.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.44%
26) 1,2-Dichloroethane-d4	5.05	65	121804	51.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.72%
32) Benzene-d6	5.07	84	326057	51.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.09	67	100418	53.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.02%
41) Toluene-d8	7.34	98	307641	50.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.76%
43) trans-1,3-Dichloropropene-	7.64	79	55978	51.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.10%
47) 2-Hexanone-d5	8.11	63	88639	109.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.06%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	134711	53.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	131827	49.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	98313	48.627	ug/L 99
3) Chloromethane	1.25	50	90392	49.233	ug/L 99
5) Vinyl chloride	1.32	62	96102	51.127	ug/L 100
6) Bromomethane	1.53	94	63839	50.702	ug/L 99
8) Chloroethane	1.60	64	61488	52.610	ug/L 97
9) Trichlorofluoromethane	1.76	101	155872	49.754	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	77748	51.568	ug/L 98
12) 1,1-Dichloroethene	2.13	96	75712	51.276	ug/L 94
13) Acetone	2.19	43	96630	92.808	ug/L 100
14) Carbon disulfide	2.31	76	220375	46.955	ug/L 99
15) Methyl Acetate	2.44	43	89441	53.305	ug/L 97
16) Methylene chloride	2.52	84	86467	51.571	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	79206	49.944	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	266418	50.169	ug/L 99
19) 1,1-Dichloroethane	3.21	63	150982	51.100	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	85463	49.102	ug/L 100
22) 2-Butanone	3.99	43	121545	107.176	ug/L 98

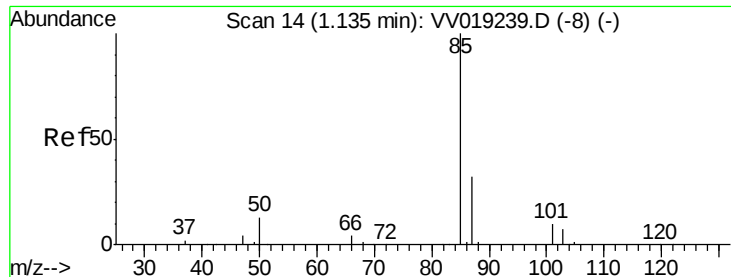
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110520\
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 Acq On : 04 Nov 2020 18:00
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	46898	50.213	uq/L	97
25) Chloroform	4.40	83	160158	50.161	uq/L	98
27) 1,2-Dichloroethane	5.15	62	136646	50.270	uq/L	99
29) Cyclohexane	4.70	56	122092	49.289	uq/L	99
30) 1,1,1-Trichloroethane	4.63	97	148816	49.494	uq/L	99
31) Carbon tetrachloride	4.86	117	131168	49.196	uq/L	100
33) Benzene	5.13	78	327461	51.187	uq/L	100
34) Trichloroethene	5.94	95	88667	50.593	uq/L	98
35) Methylcyclohexane	6.15	83	118899	50.255	uq/L	99
37) 1,2-Dichloropropane	6.20	63	83418	52.506	uq/L	99
38) Bromodichloromethane	6.53	83	118779	50.258	uq/L	97
39) cis-1,3-Dichloropropene	7.05	75	134761	51.354	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	237383	108.311	uq/L	99
42) Toluene	7.41	91	355102	50.634	uq/L	98
44) trans-1,3-Dichloropropene	7.67	75	139525	51.111	uq/L	98
45) 1,1,2-Trichloroethane	7.86	97	81214	50.970	uq/L	98
46) Tetrachloroethene	8.00	164	71925	48.062	uq/L	99
48) 2-Hexanone	8.16	43	184622	105.981	uq/L	98
49) Dibromochloromethane	8.27	129	97427	50.500	uq/L	96
50) 1,2-Dibromoethane	8.37	107	85450	50.265	uq/L	99
51) Chlorobenzene	8.90	112	227456	49.469	uq/L	98
52) Ethylbenzene	9.03	91	385948	49.943	uq/L	99
53) m,p-Xylene	9.16	106	145333	49.792	uq/L	99
54) o-xylene	9.56	106	140771	50.233	uq/L	100
55) Styrene	9.58	104	256460	51.634	uq/L	99
56) Isopropylbenzene	9.95	105	378537	50.263	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	123946	51.086	uq/L	98
59) 1,2,3-Trichloropropane	10.29	75	106651	51.351	uq/L	99
61) Bromoform	9.75	173	73468	47.112	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	193420	48.506	uq/L	100
63) 1,4-Dichlorobenzene	11.29	146	198566	47.915	uq/L	100
65) 1,2-Dichlorobenzene	11.67	146	195751	49.554	uq/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	31470	46.560	uq/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	139629	47.567	uq/L	100
68) 1,2,4-trichlorobenzene	13.28	180	130402	47.415	uq/L	99
69) Naphthalene	13.52	128	387579	50.314	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	134913	50.128	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.627 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

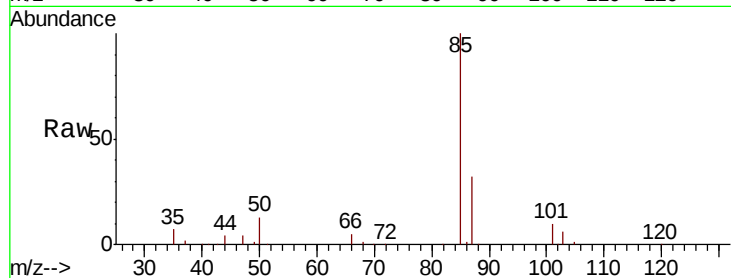
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 98313

Ion Ratio Lower Upper

85 100

87 32.3 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV019239.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV019239.D (-8) (-)

1.14

120000

100000

80000

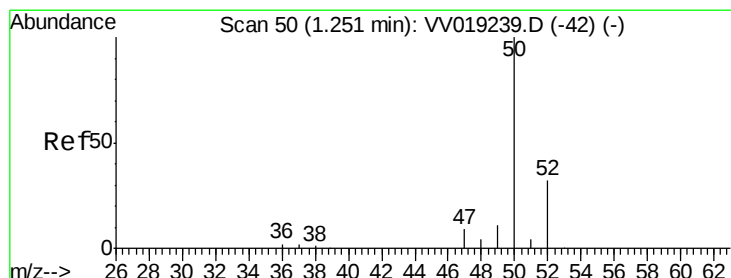
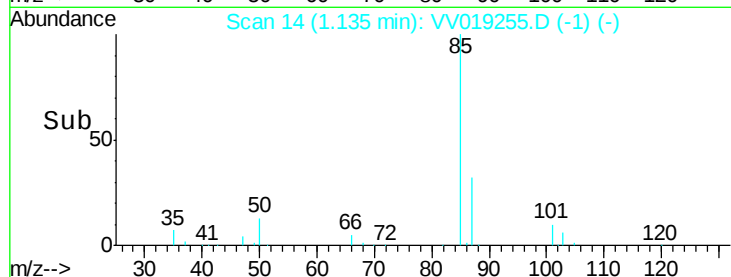
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 49.233 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019255.D

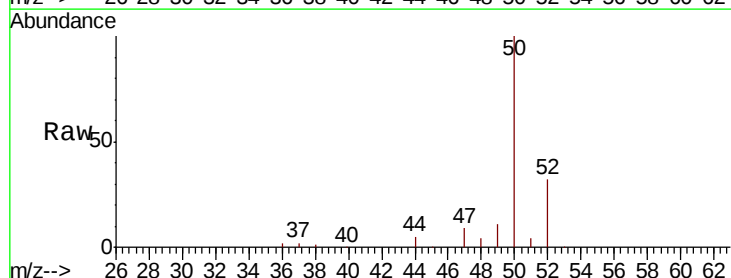
Acq: 04 Nov 2020 18:00

Tgt Ion: 50 Resp: 90392

Ion Ratio Lower Upper

50 100

52 32.1 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV019239.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019239.D (-42) (-)

1.25

100000

80000

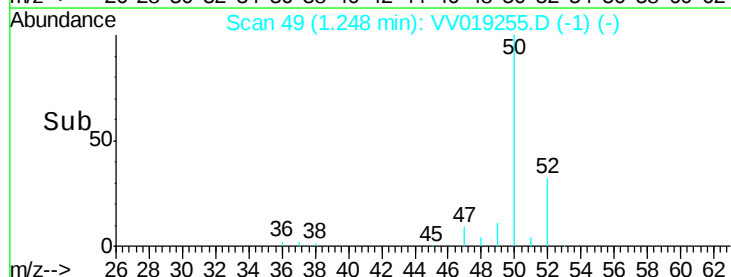
60000

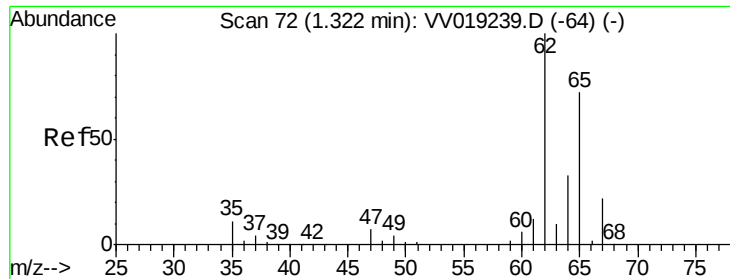
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 51.127 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

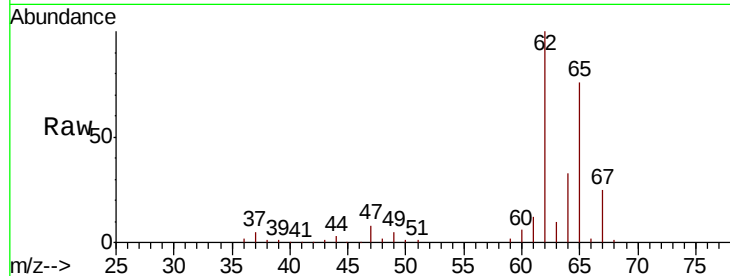
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 96102

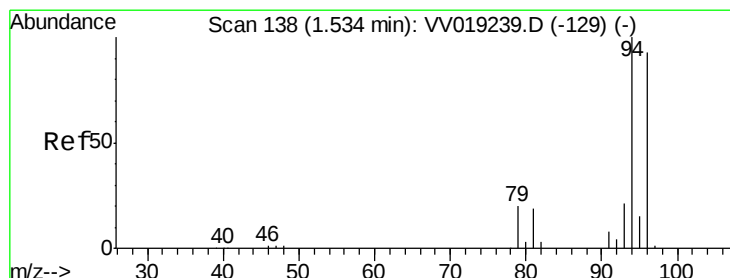
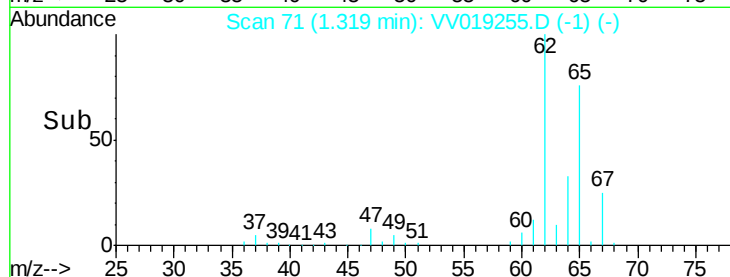
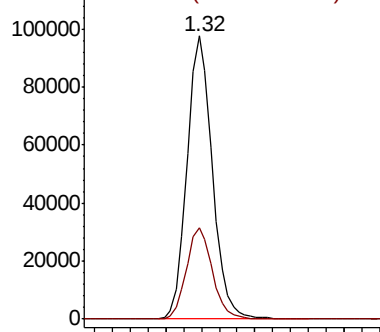
Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 50.702 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019255.D

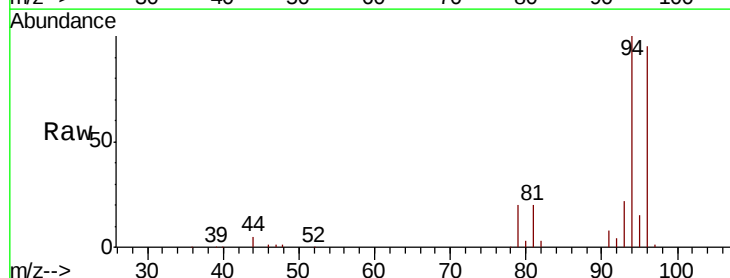
Acq: 04 Nov 2020 18:00

Tgt Ion: 94 Resp: 63839

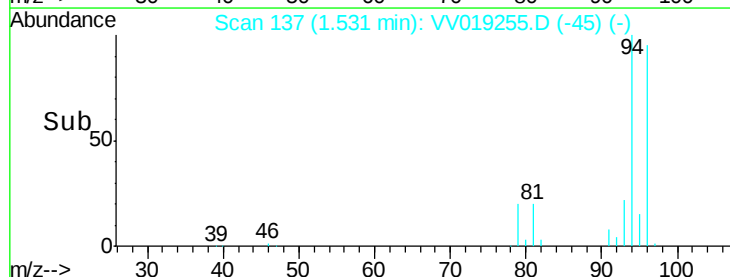
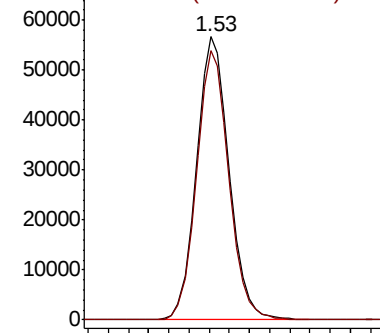
Ion Ratio Lower Upper

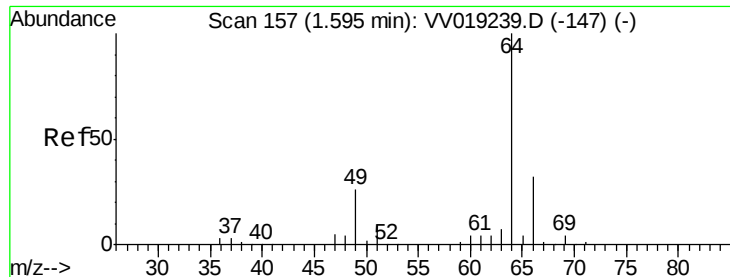
94 100

96 95.1 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0

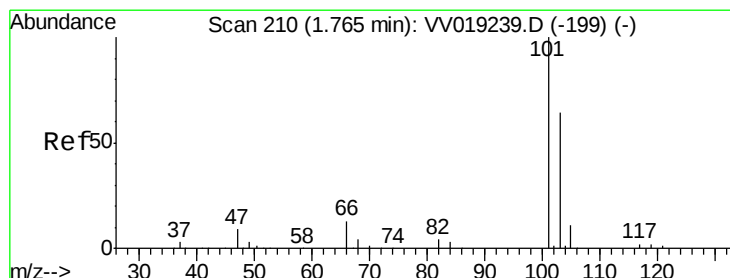
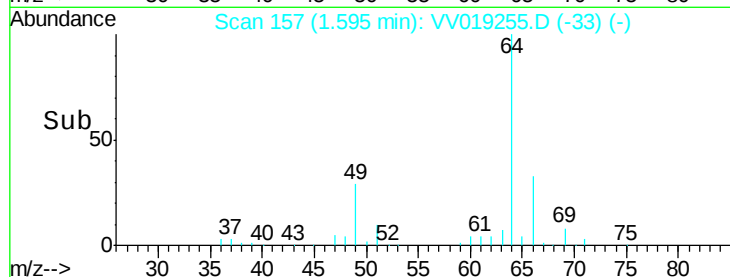
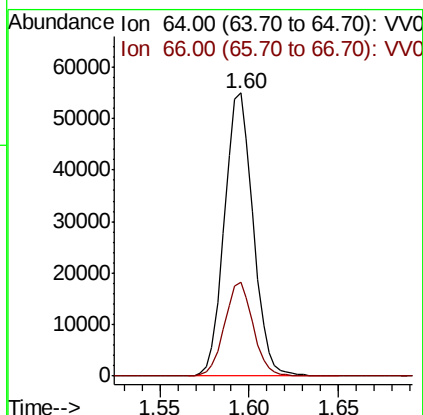
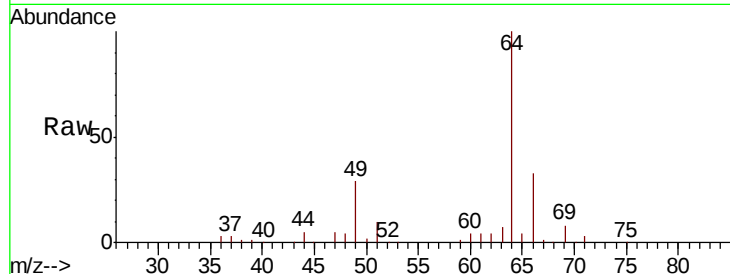




#8
Chloroethane
Concen: 52.610 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

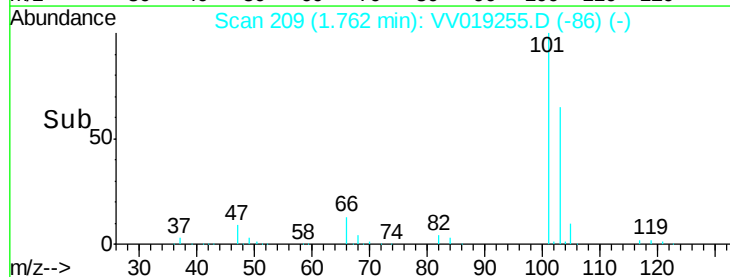
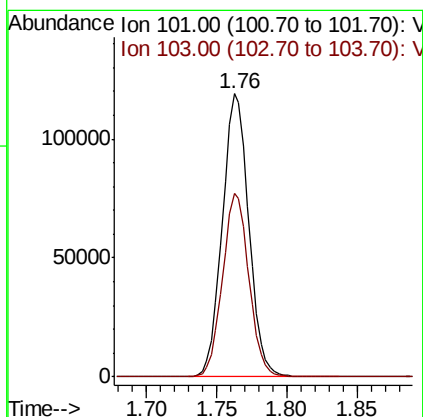
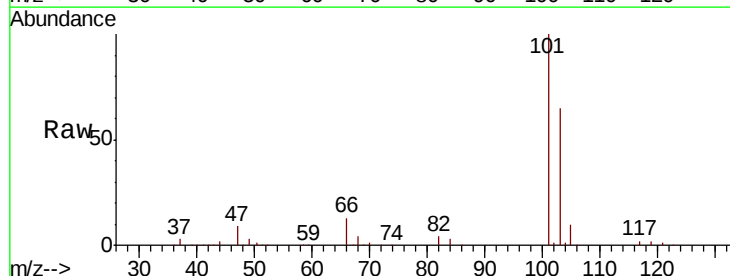
Instrument :
MSVOA_V
ClientSampled :

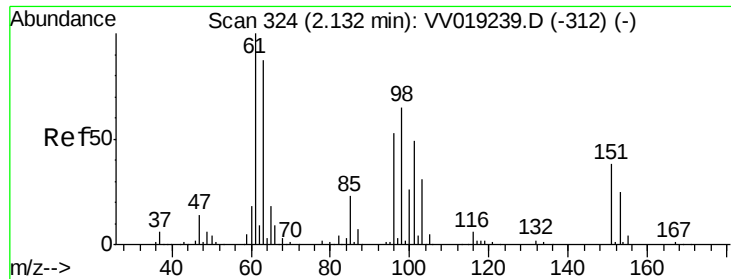
Tot Ion: 64 Resp: 61488
Ion Ratio Lower Upper
64 100
66 33.0 22.0 40.8



#9
Trichlorofluoromethane
Concen: 49.754 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

Tgt Ion: 101 Resp: 155872
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 51.568 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

Instrument :

MSVOA_V

ClientSampled :

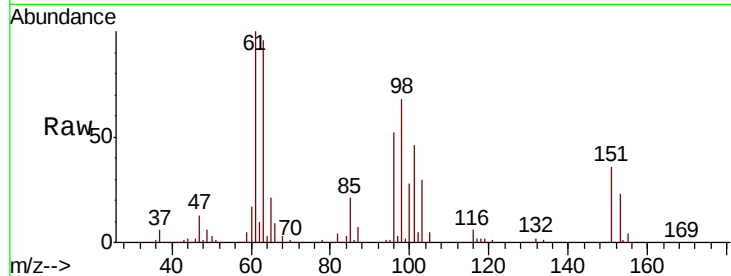
Tot Ion:101 Resp: 77748

Ion Ratio Lower Upper

101 100

85 45.6 36.1 54.1

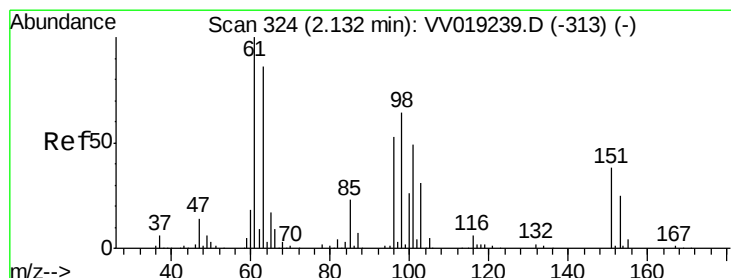
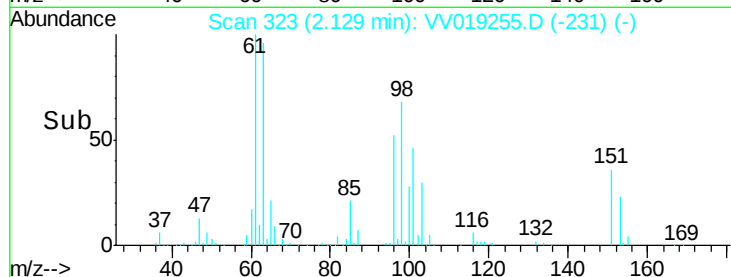
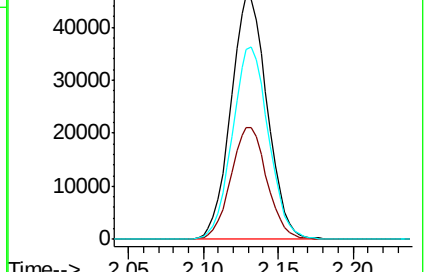
151 78.7 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VV019239.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV019239.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV019239.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 51.276 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

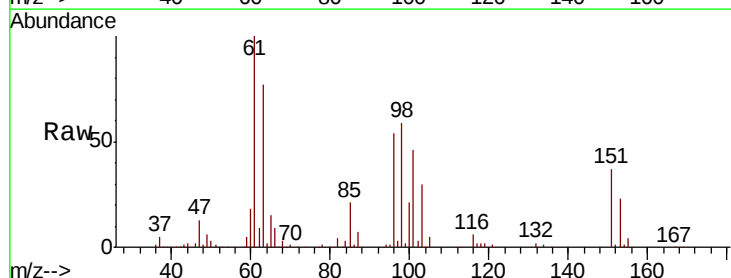
Tgt Ion: 96 Resp: 75712

Ion Ratio Lower Upper

96 100

61 184.6 132.6 246.2

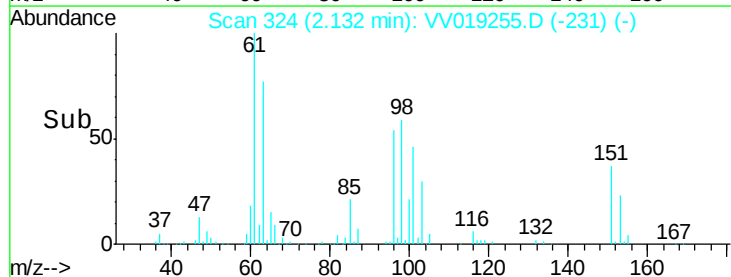
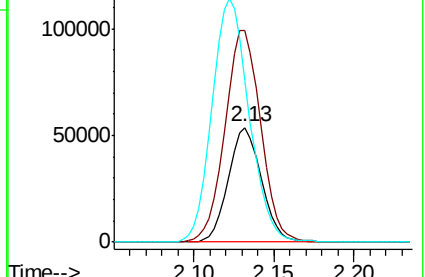
63 141.8 108.4 201.4

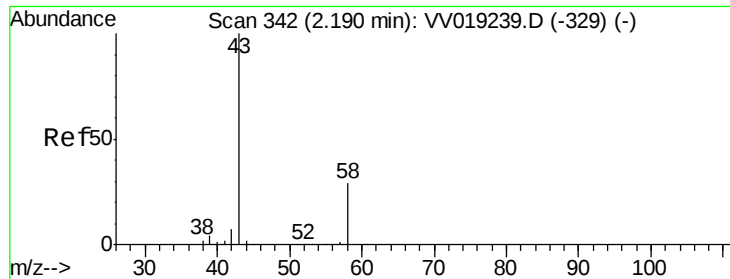


Abundance Ion 96.00 (95.70 to 96.70): VV019255.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019255.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019255.D (-231) (-)





#13

Acetone

Concen: 92.808 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

Instrument :

MSVOA_V

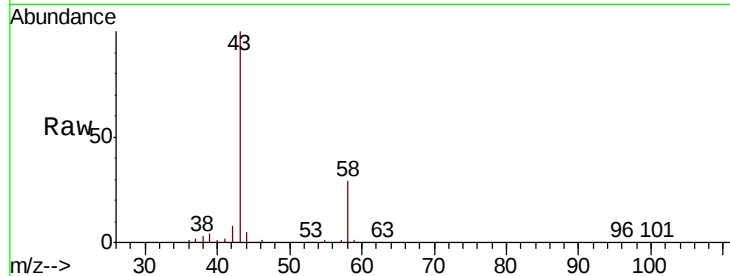
ClientSampleId :

Tot Ion: 43 Resp: 96630

Ion Ratio Lower Upper

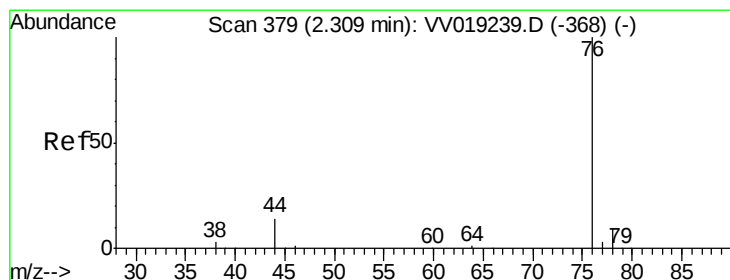
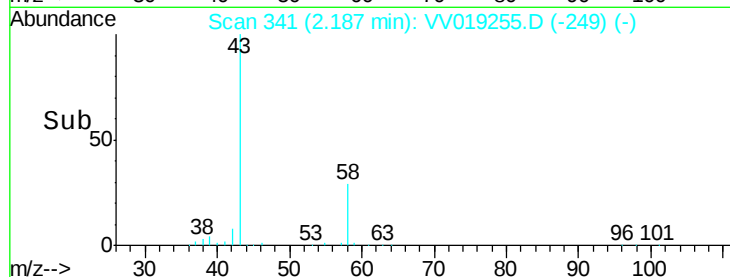
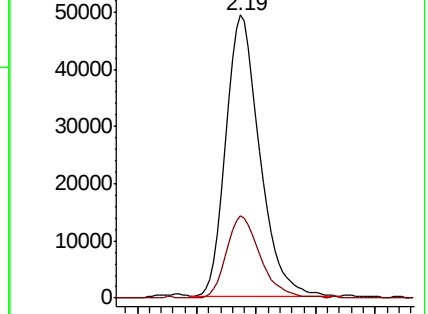
43 100

58 29.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV019239.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV019239.D (-329) (-)



#14

Carbon disulfide

Concen: 46.955 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019255.D

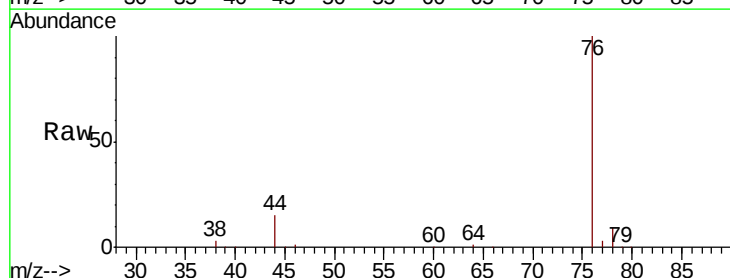
Acq: 04 Nov 2020 18:00

Tgt Ion: 76 Resp: 220375

Ion Ratio Lower Upper

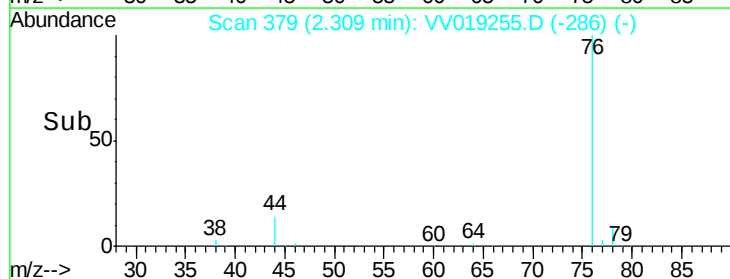
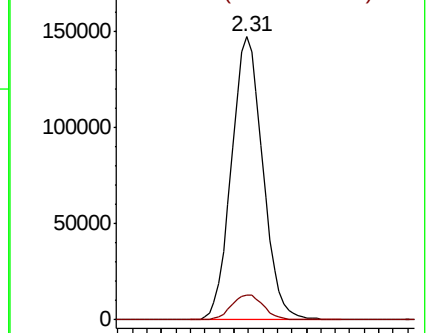
76 100

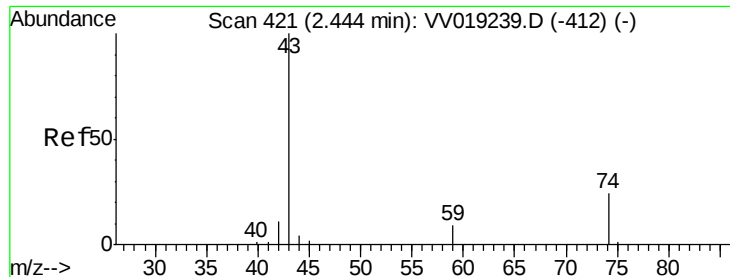
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019239.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019239.D (-368) (-)

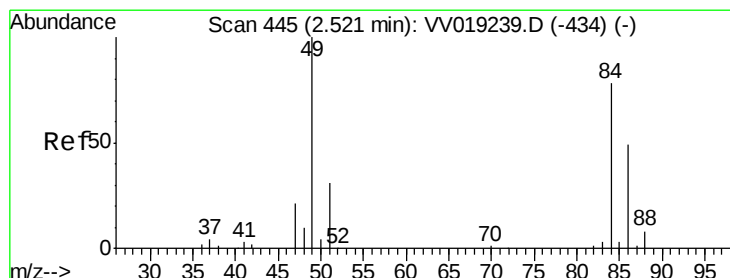
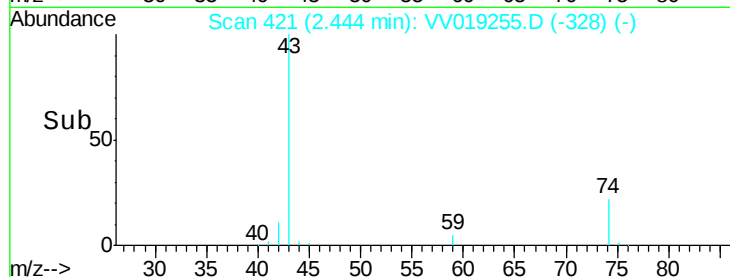
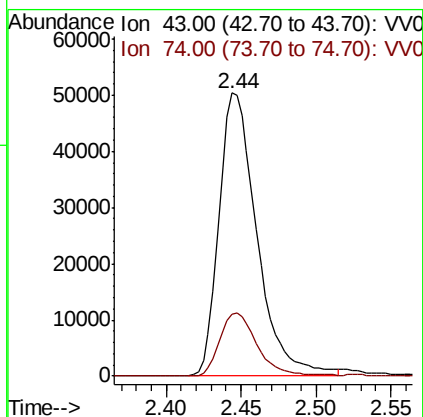
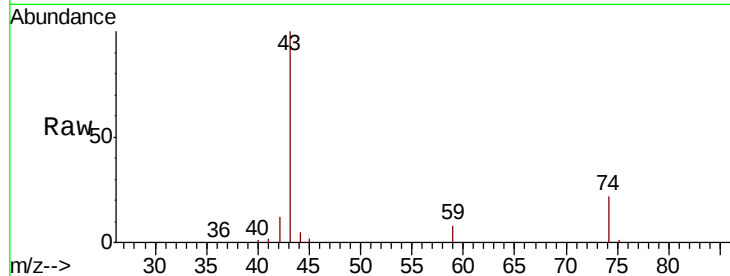




#15
Methvl Acetate
Concen: 53.305 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

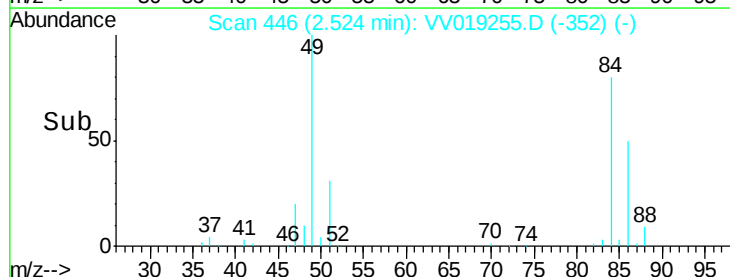
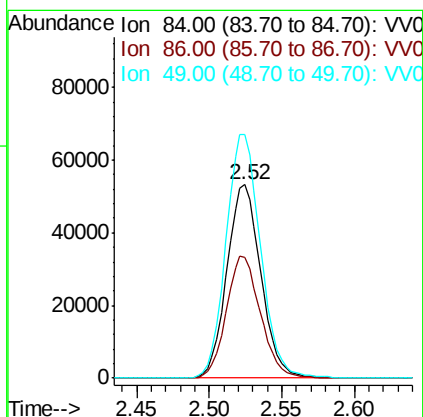
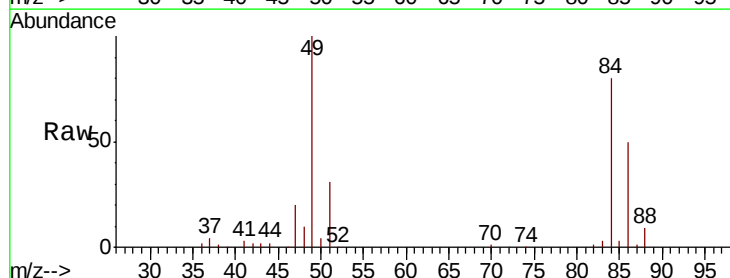
Instrument :
MSVOA_V
ClientSampleId :

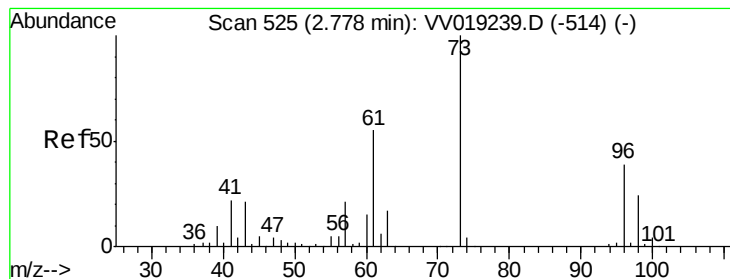
Tot Ion: 43 Resp: 89441
Ion Ratio Lower Upper
43 100
74 21.8 18.4 27.6



#16
Methylene chloride
Concen: 51.571 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

Tgt Ion: 84 Resp: 86467
Ion Ratio Lower Upper
84 100
86 62.3 46.0 85.4
49 125.8 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 49.944 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

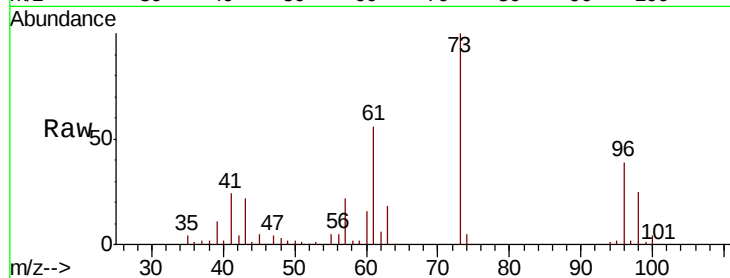
Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 79206

Ion	Ratio	Lower	Upper
96	100		
61	141.9	102.4	190.2
98	63.2	45.9	85.3

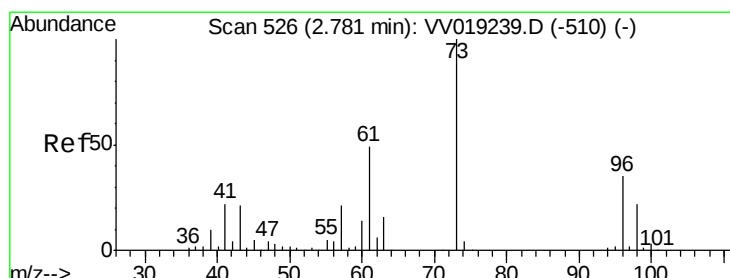
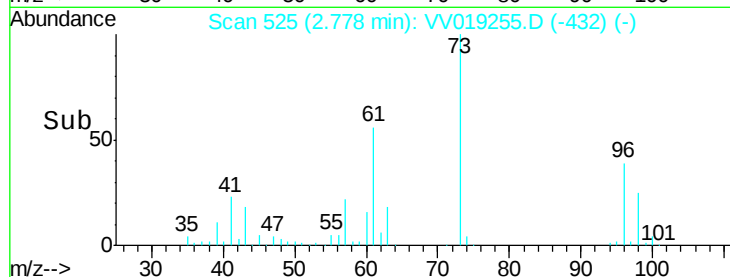
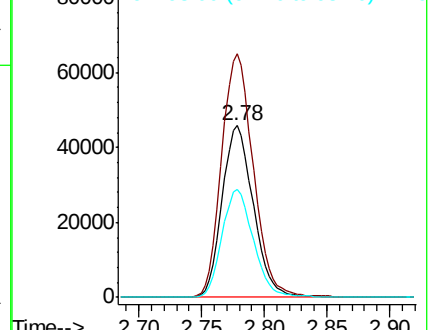


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 50.169 ug/L

RT: 2.78 min Scan# 527

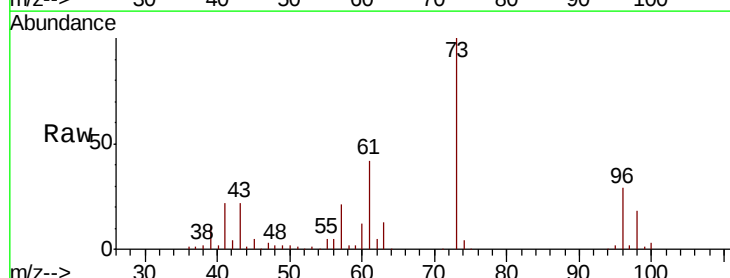
Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

Tgt Ion: 73 Resp: 266418

Ion	Ratio	Lower	Upper
73	100		
43	21.8	17.9	26.9
57	21.5	17.1	25.7

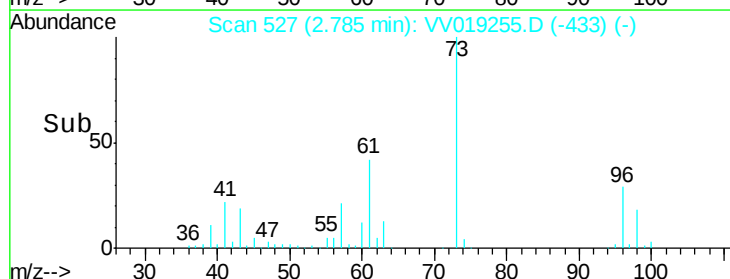
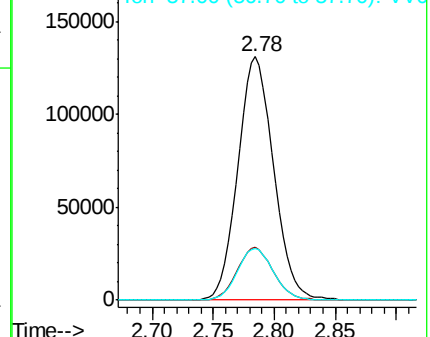


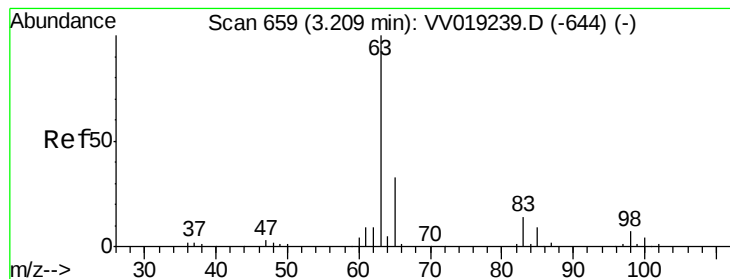
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 51.100 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

Instrument :

MSVOA_V

ClientSampleId :

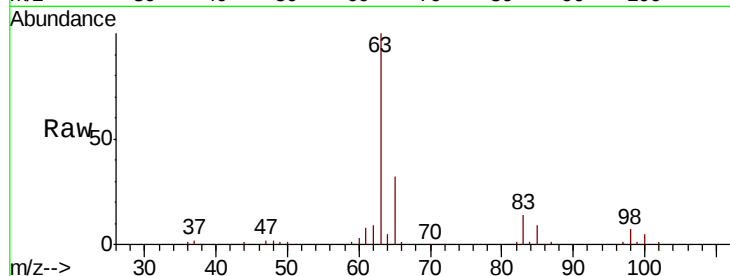
Tot Ion: 63 Resp: 150982

Ion Ratio Lower Upper

63 100

65 32.1 22.0 40.8

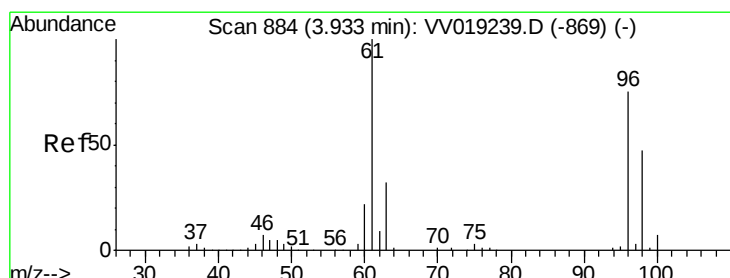
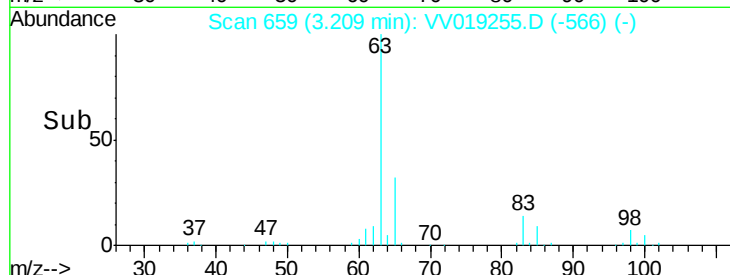
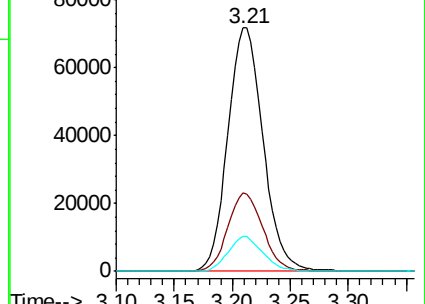
83 14.2 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV019239.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV019239.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV019239.D (-644) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.102 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

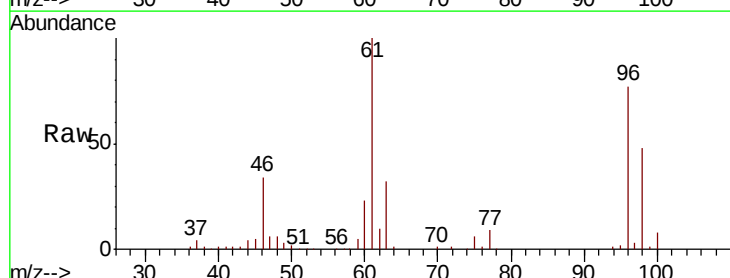
Tgt Ion: 96 Resp: 85463

Ion Ratio Lower Upper

96 100

61 130.0 90.7 168.5

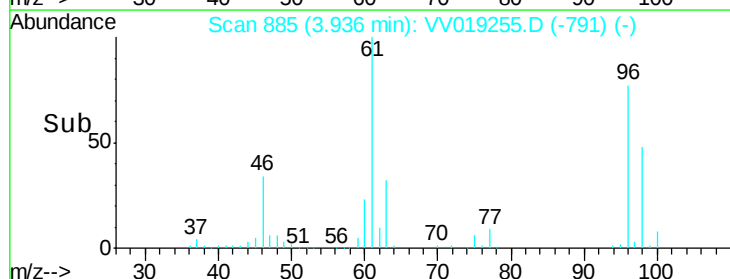
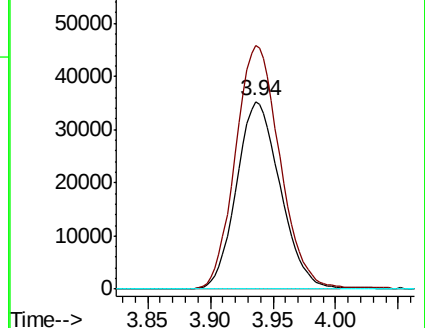
68 0.0 0.0 0.0

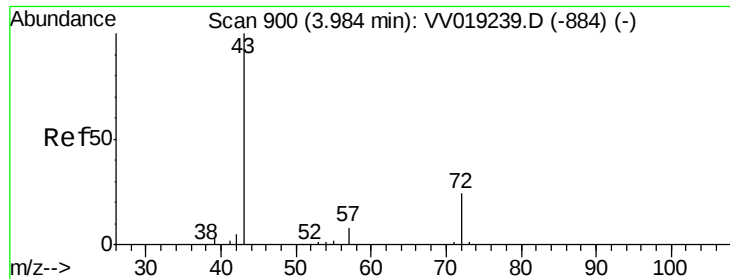


Abundance Ion 96.00 (95.70 to 96.70): VV019239.D (-869) (-)

Ion 61.00 (60.70 to 61.70): VV019239.D (-869) (-)

Ion 68.00 (67.70 to 68.70): VV019239.D (-869) (-)





#22

2-Butanone

Concen: 107.176 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.01 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

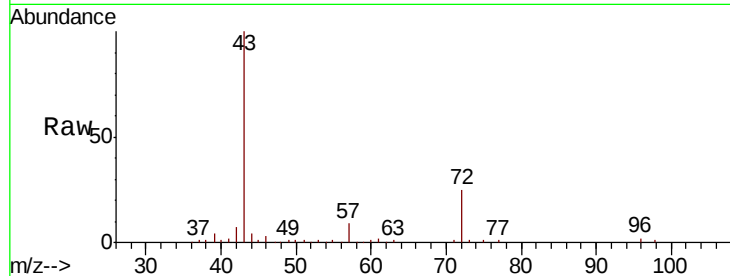
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 121545

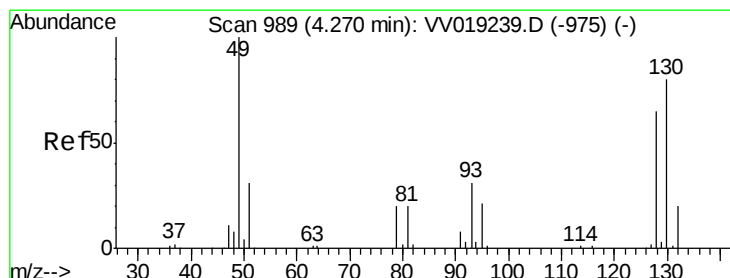
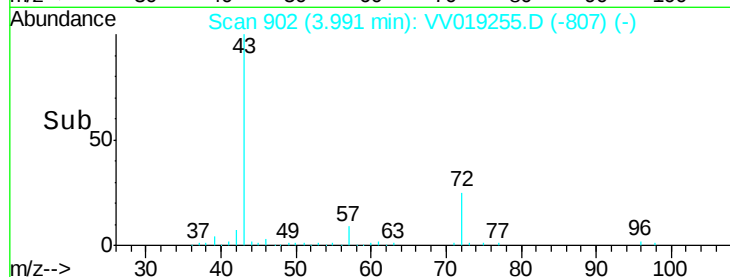
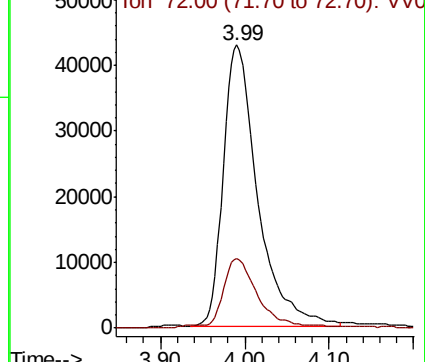
Ion Ratio Lower Upper

43 100

72 23.0 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV019239.D (-884) (-)



#23

Bromochloromethane

Concen: 50.213 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

Tgt Ion: 128 Resp: 46898

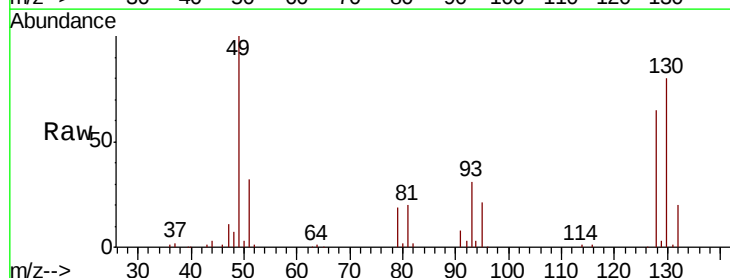
Ion Ratio Lower Upper

128 100

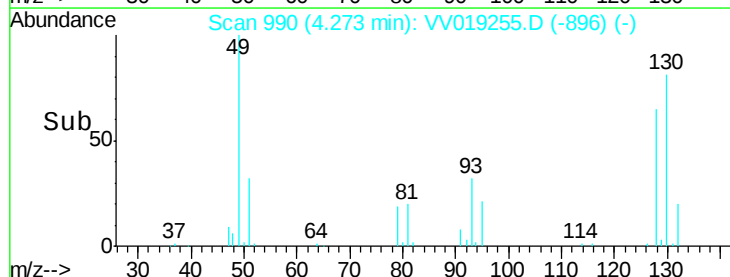
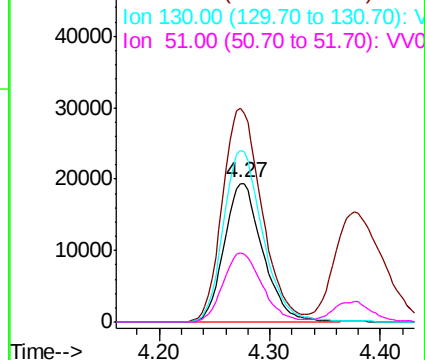
49 154.5 108.5 201.5

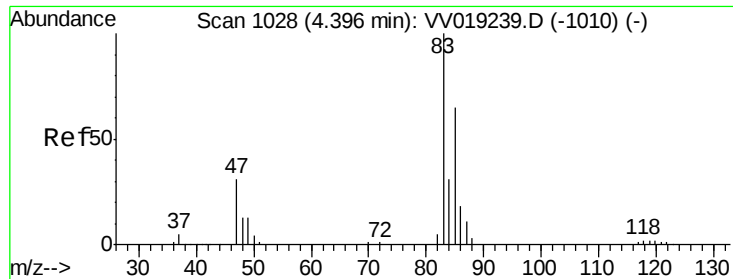
130 124.1 90.4 167.8

51 50.0 36.9 55.3



Abundance Ion 128.00 (127.70 to 128.70): VV019239.D (-975) (-)

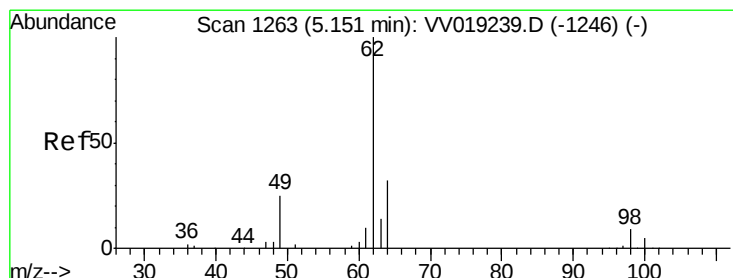
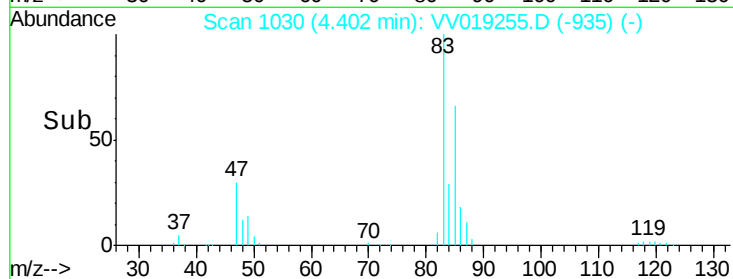
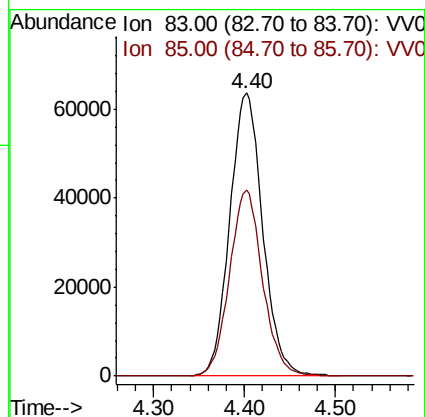
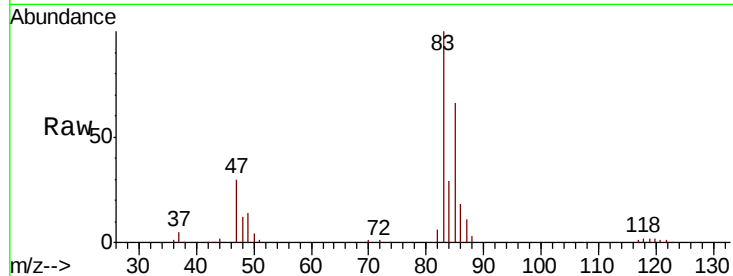




#25
Chloroform
Concen: 50.161 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

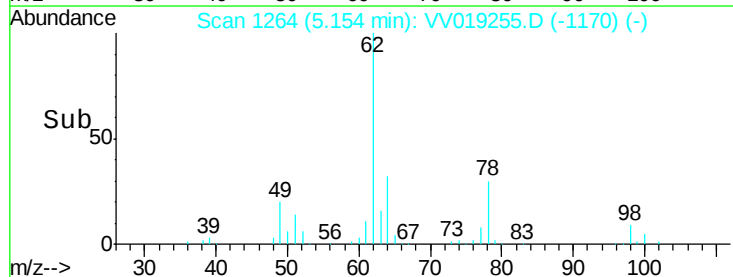
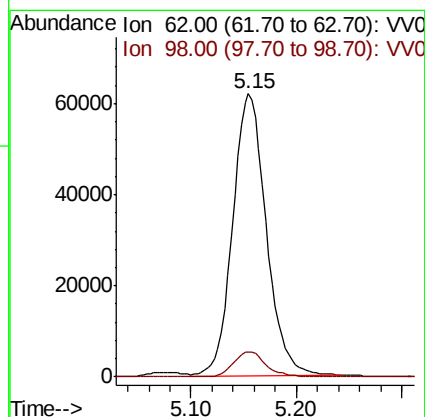
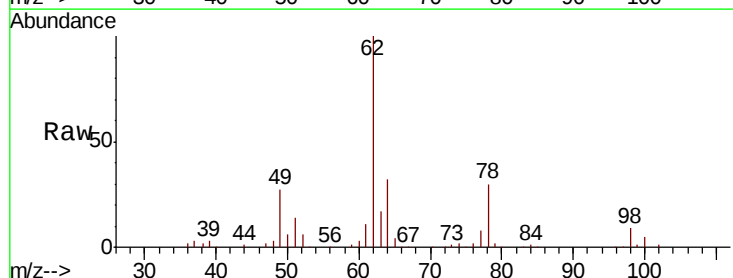
Instrument :
MSVOA_V
ClientSampleId :

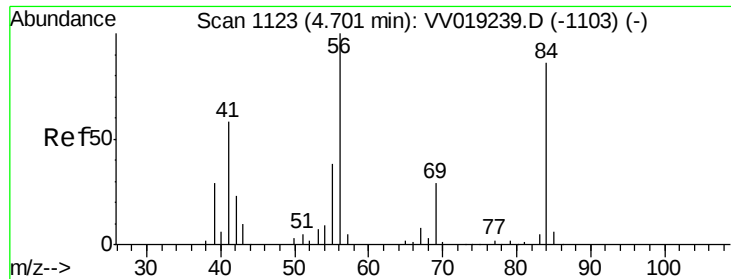
Tot Ion: 83 Resp: 160158
Ion Ratio Lower Upper
83 100
85 65.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 50.270 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

Tgt Ion: 62 Resp: 136646
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2

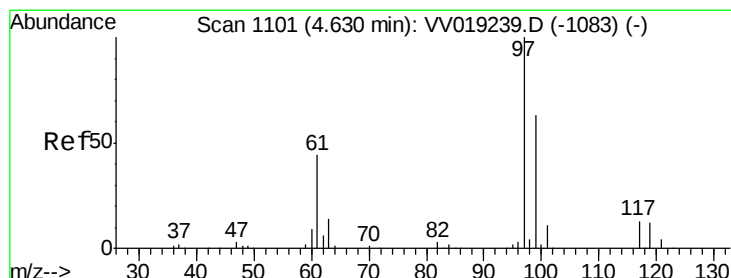
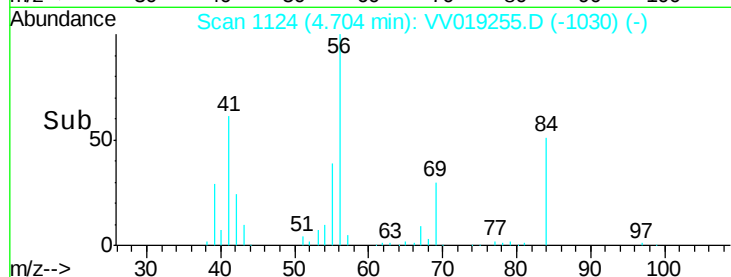
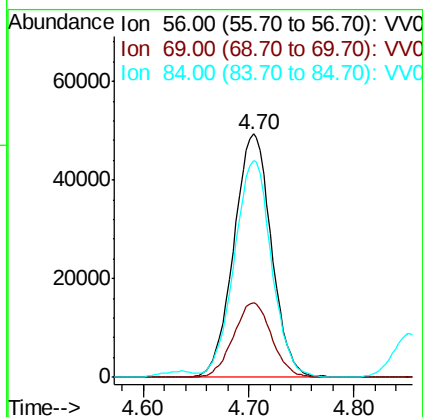
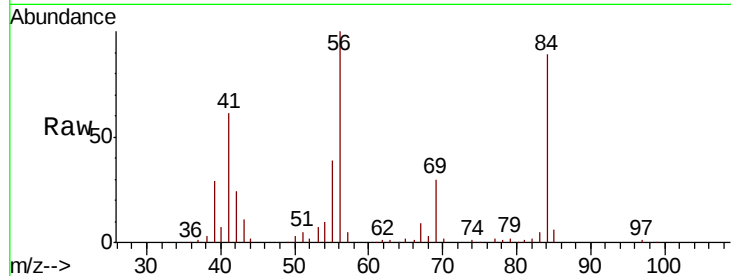




#29
Cyclohexane
Concen: 49.289 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

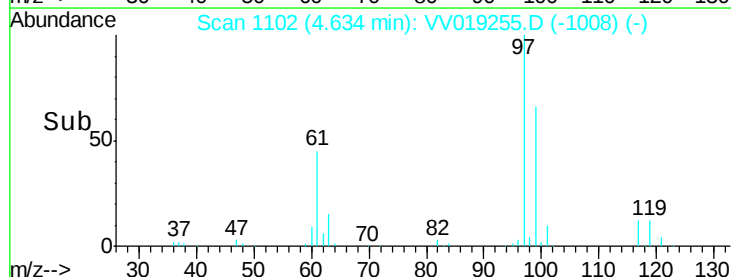
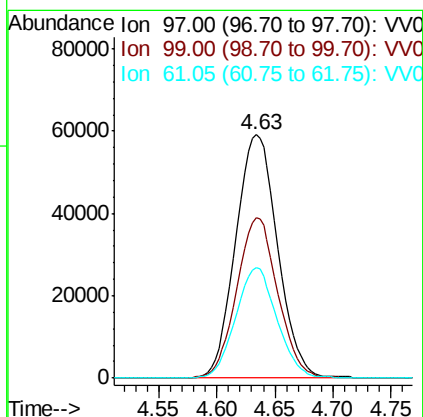
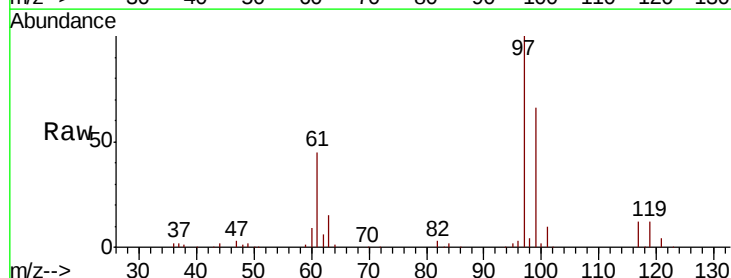
Instrument :
MSVOA_V
ClientSampled :

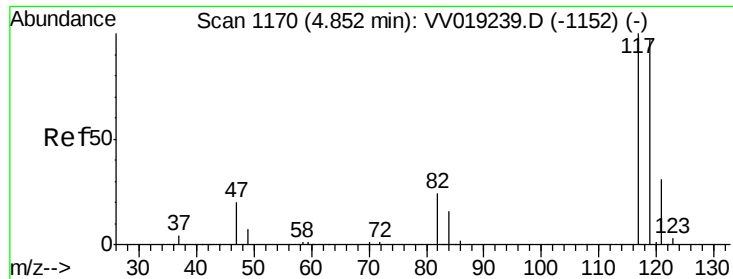
Tot Ion: 56 Resp: 122092
Ion Ratio Lower Upper
56 100
69 31.2 25.0 37.4
84 88.3 71.5 107.3



#30
1,1,1-Trichloroethane
Concen: 49.494 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

Tgt Ion: 97 Resp: 148816
Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 44.5 34.6 52.0

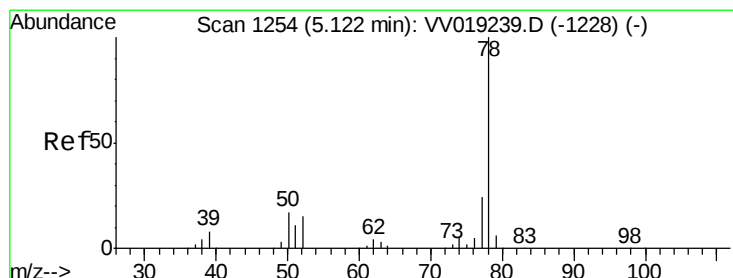
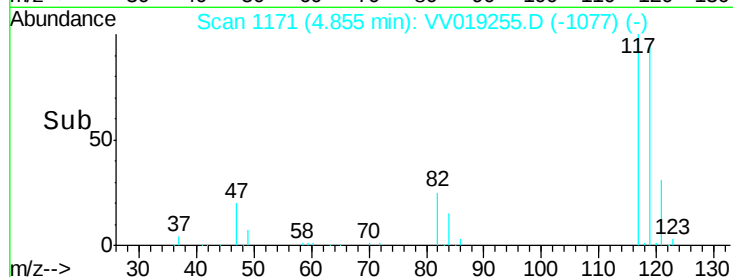
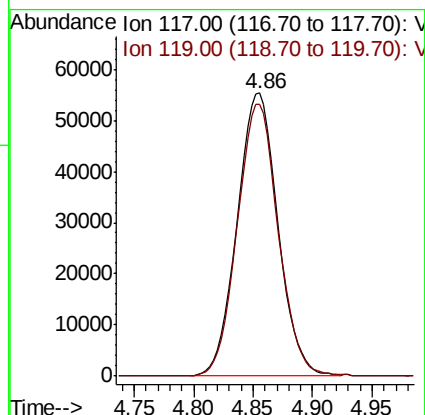
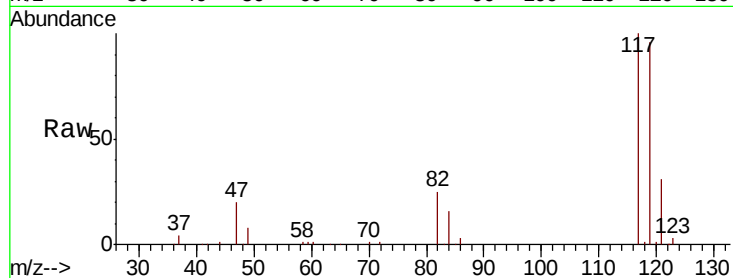




#31
Carbon tetrachloride
Concen: 49.196 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

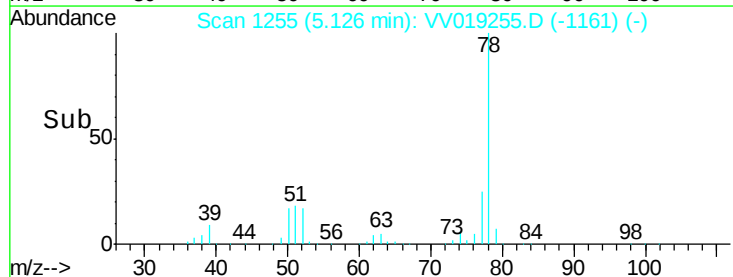
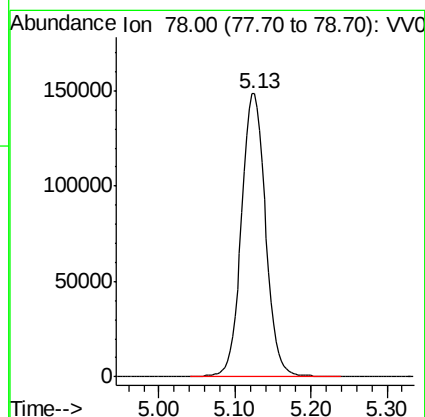
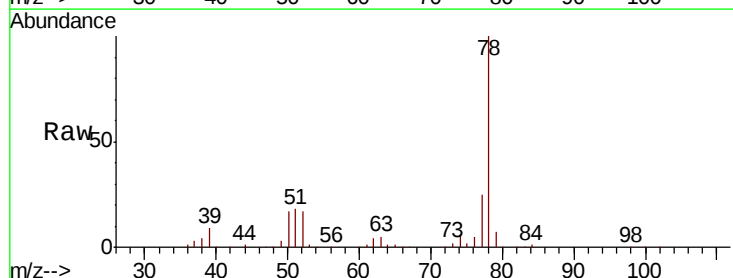
Instrument :
MSVOA_V
ClientSampled :

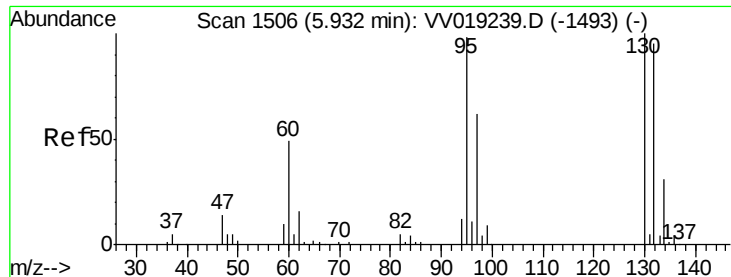
Tot Ion:117 Resp: 131168
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8



#33
Benzene
Concen: 51.187 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

Tgt Ion: 78 Resp: 327461

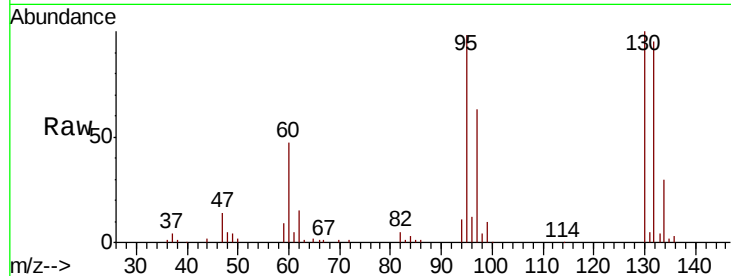




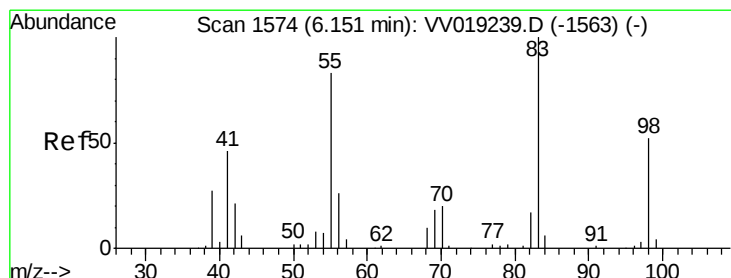
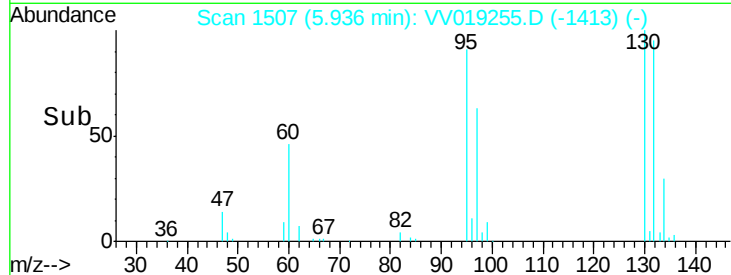
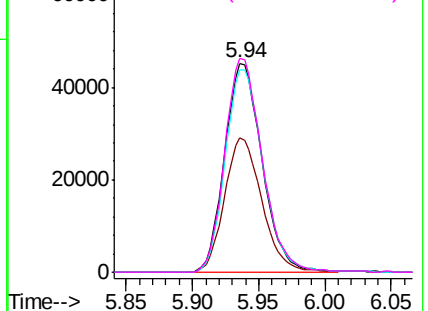
#34
 Trichloroethene
 Concen: 50.593 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 88667
 Ion Ratio Lower Upper
 95 100
 97 64.1 43.4 80.6
 132 97.1 69.7 129.4
 130 102.4 72.4 134.5

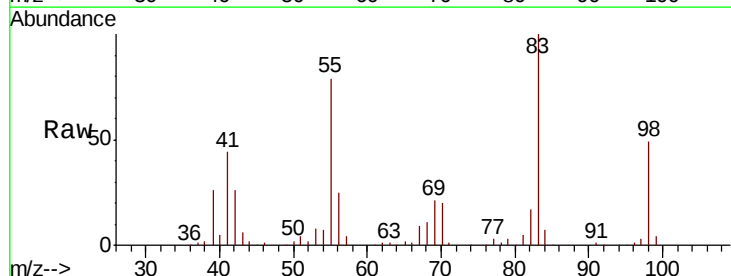


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

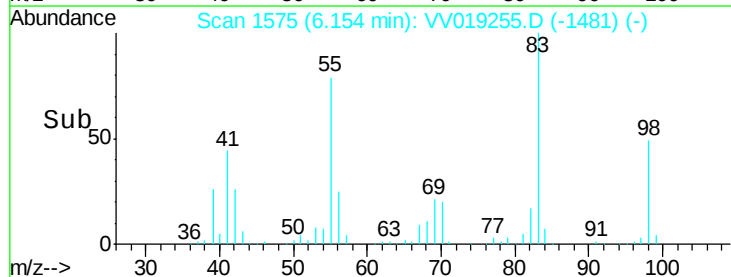
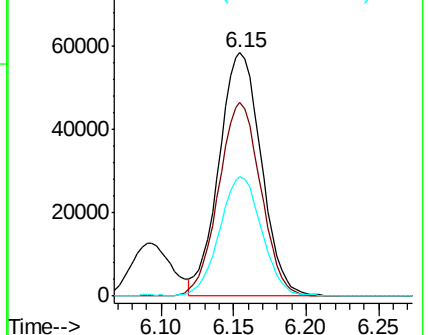


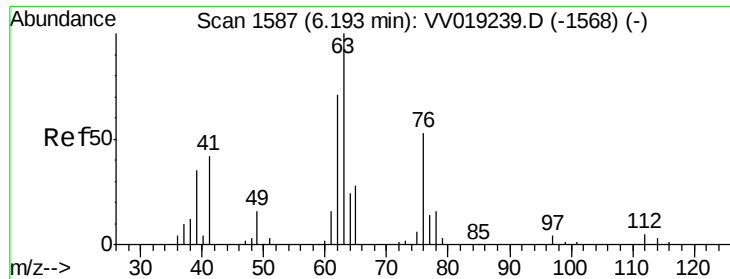
#35
 Methylcyclohexane
 Concen: 50.255 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

Tgt Ion: 83 Resp: 118899
 Ion Ratio Lower Upper
 83 100
 55 79.1 62.2 93.4
 98 48.9 39.4 59.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

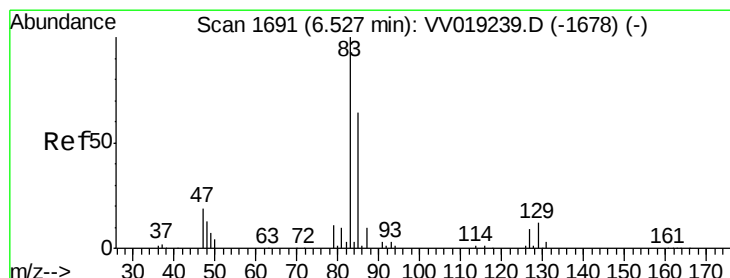
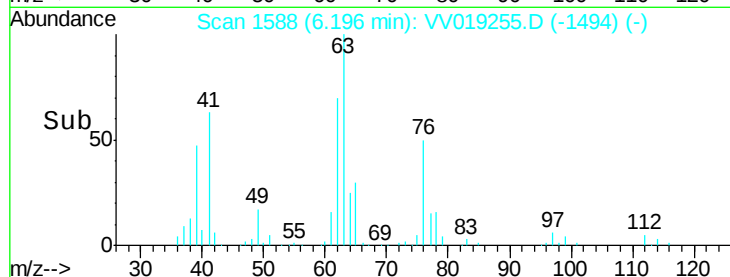
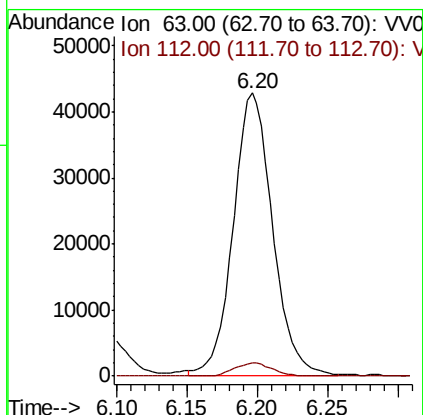
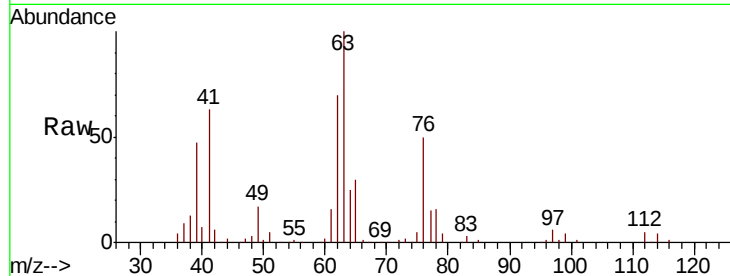




#37
 1,2-Dichloropropane
 Concen: 52.506 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

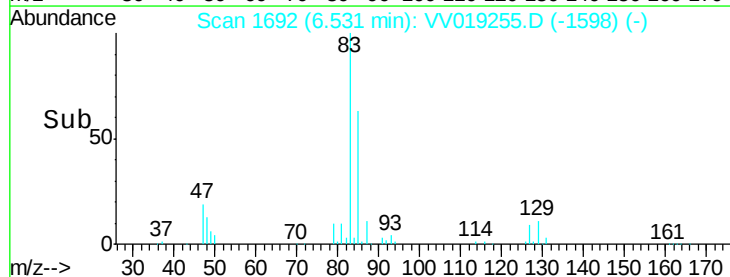
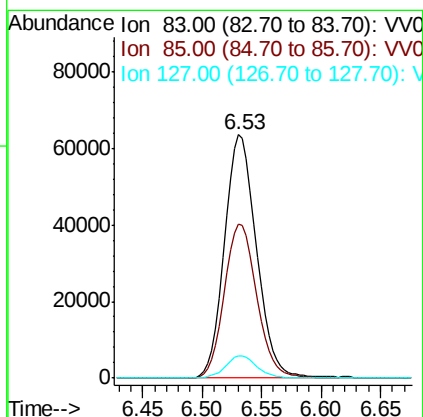
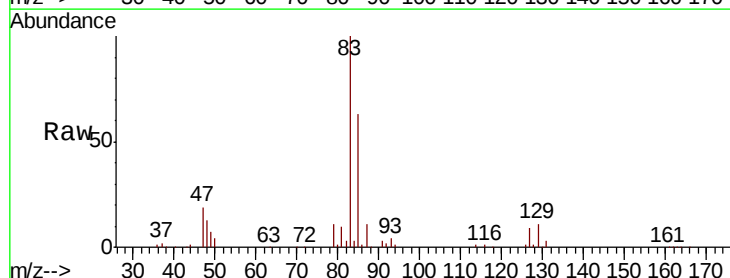
Instrument :
 MSVOA_V
 ClientSampled :

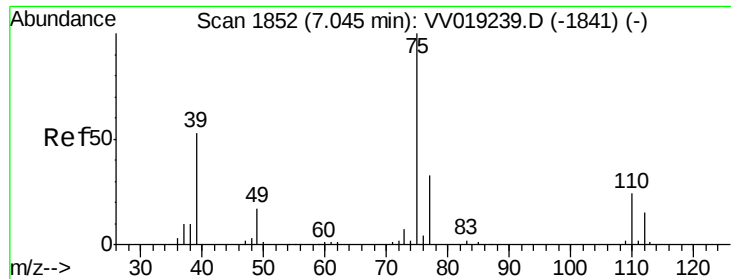
Tot Ion: 63 Resp: 83418
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#38
 Bromodichloromethane
 Concen: 50.258 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

Tgt Ion: 83 Resp: 118779
 Ion Ratio Lower Upper
 83 100
 85 63.1 45.9 85.3
 127 9.2 6.9 10.3

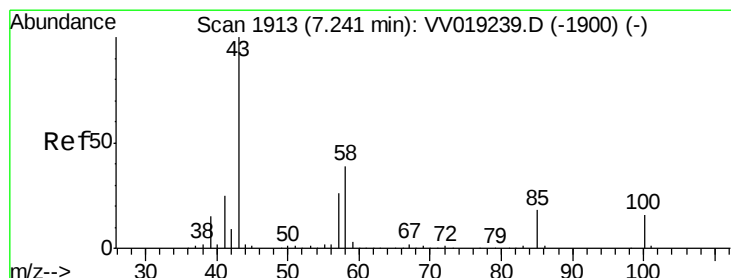
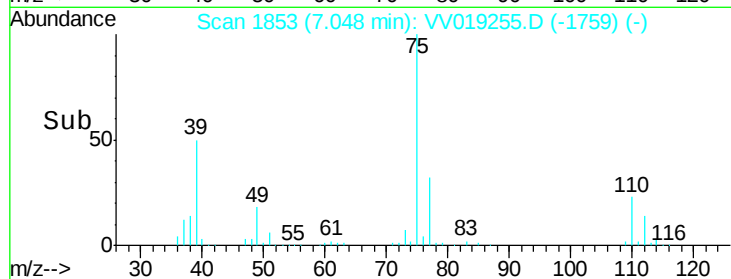
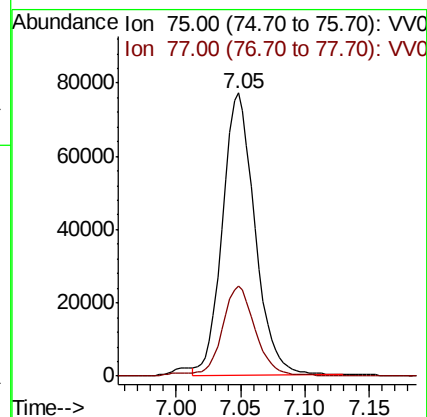
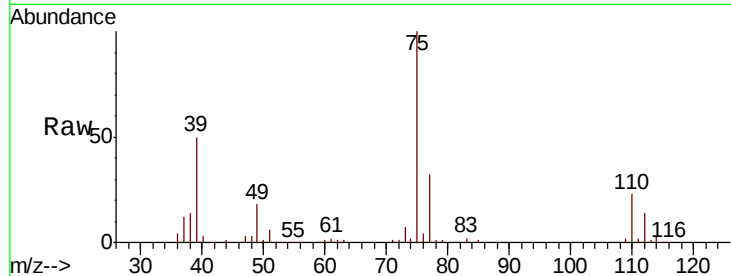




#39
 cis-1,3-Dichloropropene
 Concen: 51.354 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

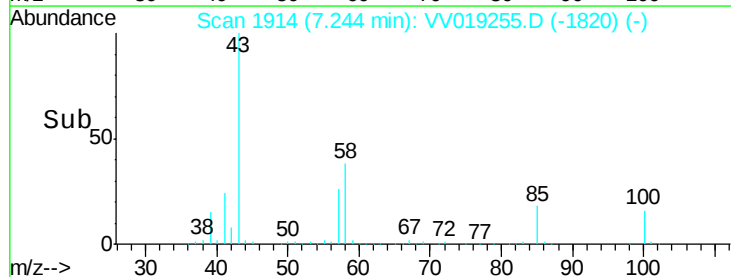
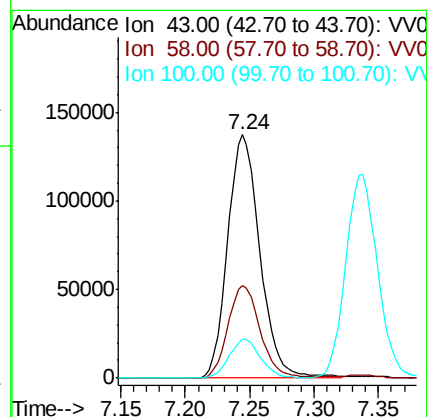
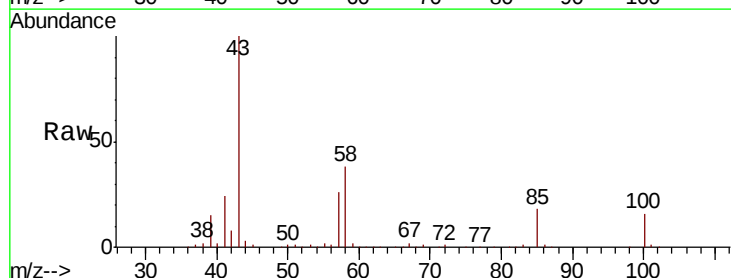
Instrument :
 MSVOA_V
 ClientSampled :

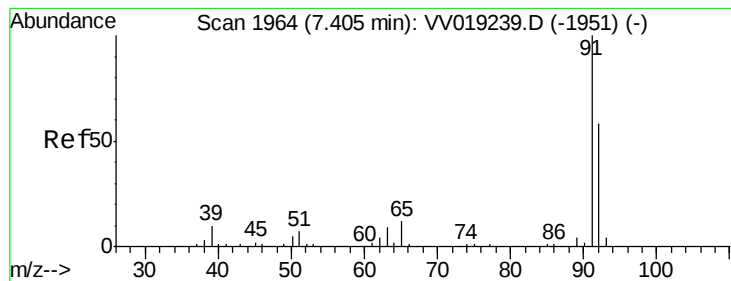
Tot Ion: 75 Resp: 134761
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 108.311 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

Tgt Ion: 43 Resp: 237383
 Ion Ratio Lower Upper
 43 100
 58 38.2 31.0 46.4
 100 15.6 13.2 19.8





#42

Toluene

Concen: 50.634 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

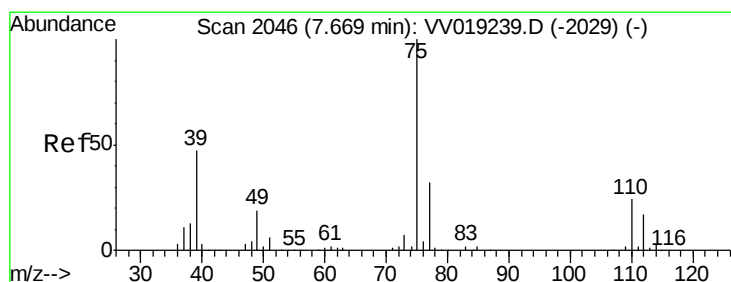
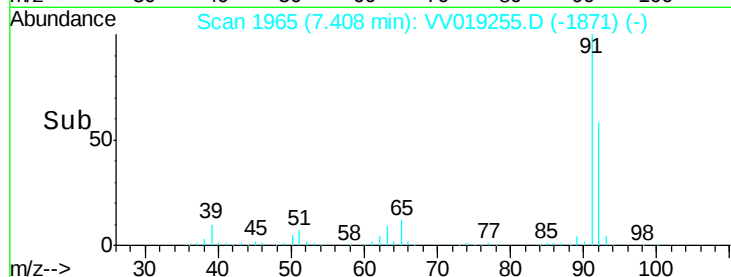
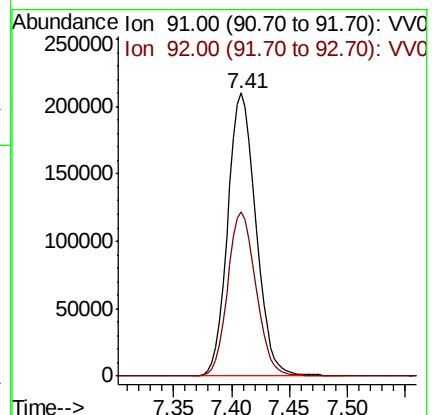
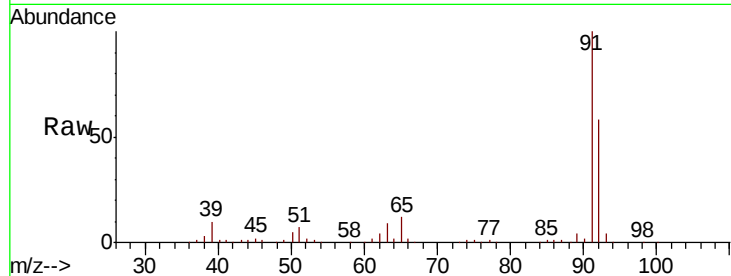
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 355102

Ion Ratio Lower Upper

91 100

92 58.0 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 51.111 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019255.D

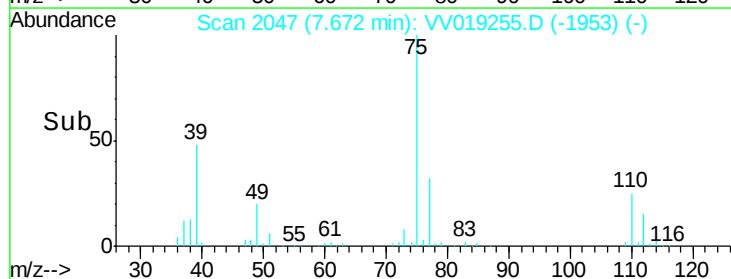
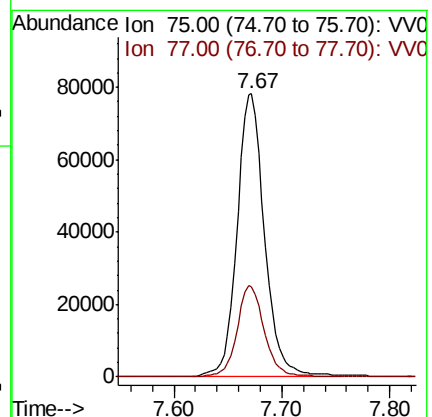
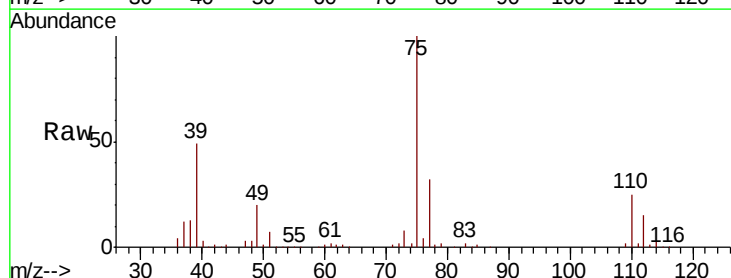
Acq: 04 Nov 2020 18:00

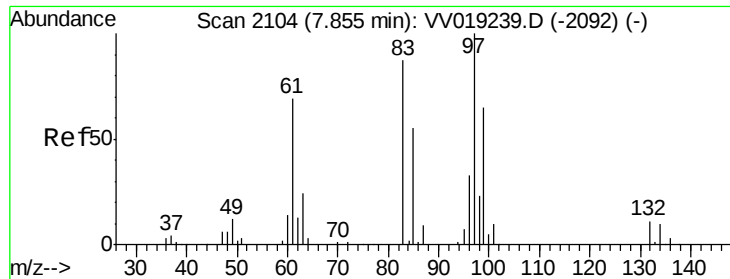
Tgt Ion: 75 Resp: 139525

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.4

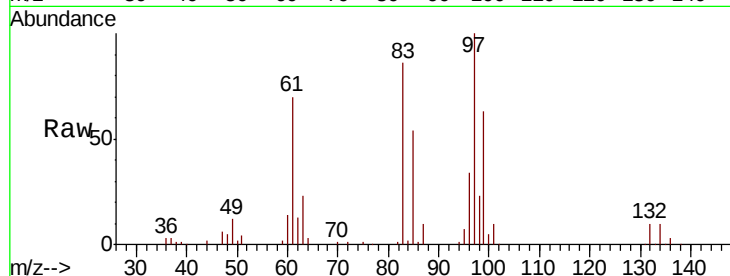




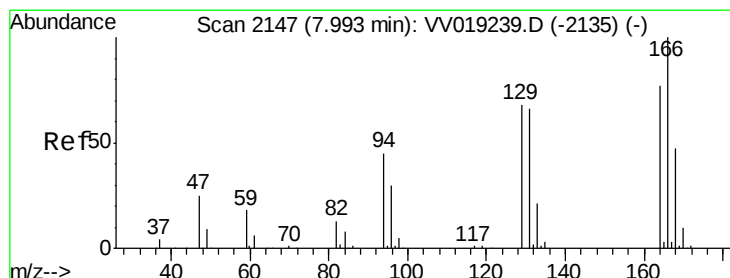
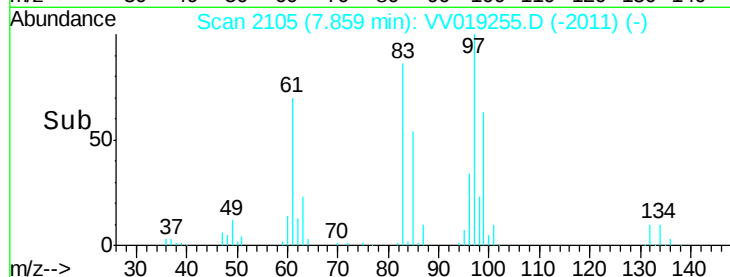
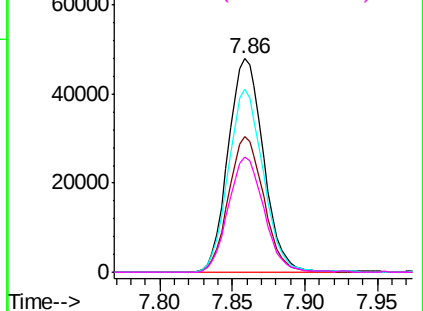
#45
 1,1,2-Trichloroethane
 Concen: 50.970 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	81214
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.1	80.1
83	85.7	58.3	108.3
85	53.8	37.8	70.2

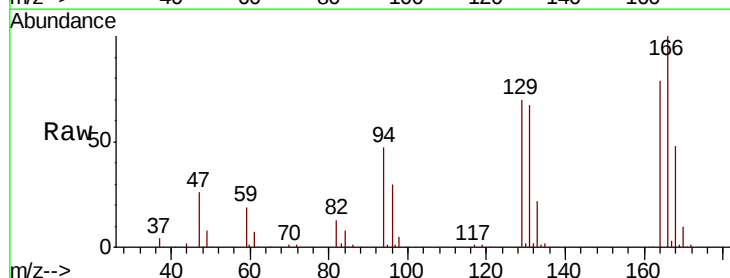


Abundance Ion 97.00 (96.70 to 97.70): VV019255.D (-2011) (-)

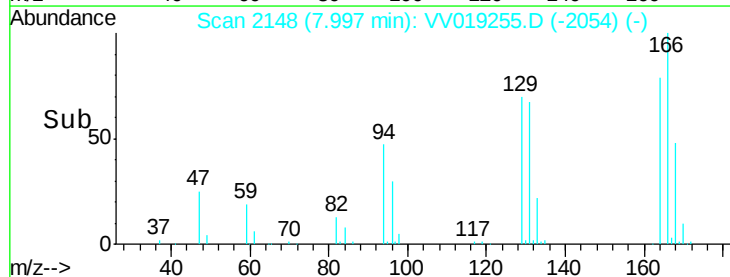
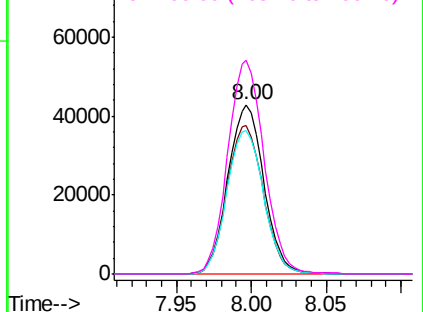


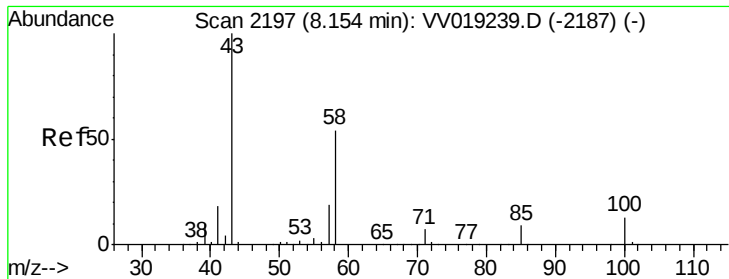
#46
 Tetrachloroethene
 Concen: 48.062 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

Tgt Ion:	164	Resp:	71925
Ion	Ratio	Lower	Upper
164	100		
129	87.7	63.2	117.4
131	84.3	60.3	112.1
166	126.1	88.3	163.9



Abundance Ion 164.00 (163.70 to 164.70): VV019255.D (-2054) (-)

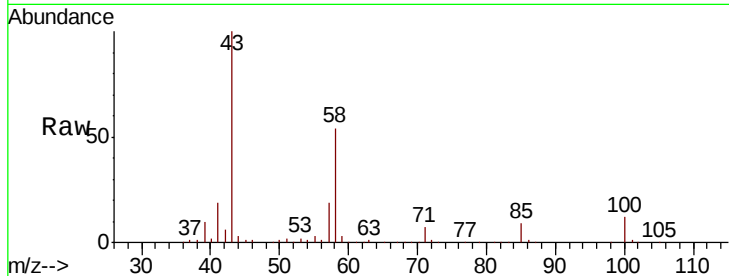




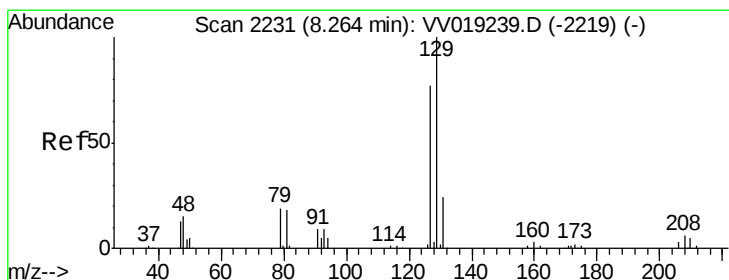
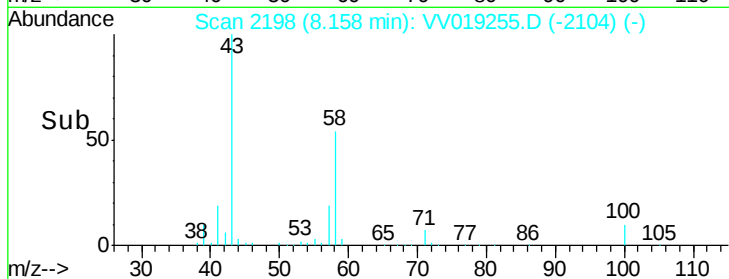
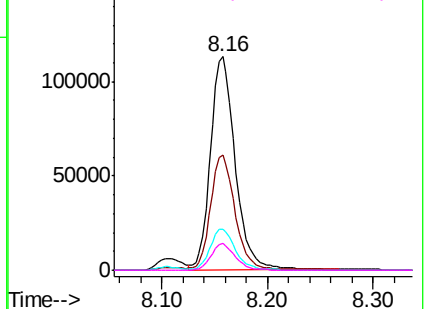
#48
2-Hexanone
Concen: 105.981 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 184622
Ion Ratio Lower Upper
43 100
58 52.9 43.6 65.4
57 19.3 16.0 24.0
100 12.4 10.3 15.5

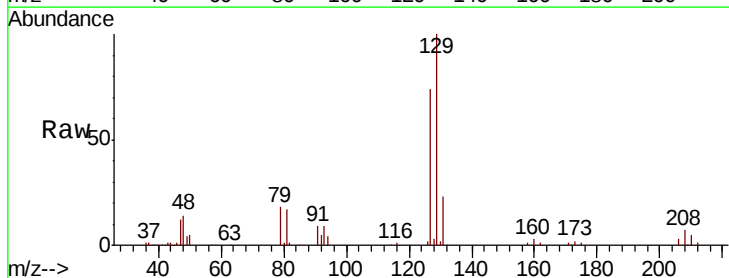


Abundance Ion 43.00 (42.70 to 43.70): VV019239.D (-2187) (-)
Ion 58.00 (57.70 to 58.70): VV019239.D (-2187) (-)
Ion 57.00 (56.70 to 57.70): VV019239.D (-2187) (-)
Ion 100.00 (99.70 to 100.70): VV019239.D (-2187) (-)

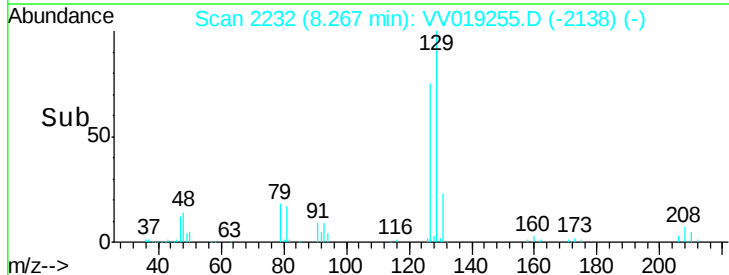
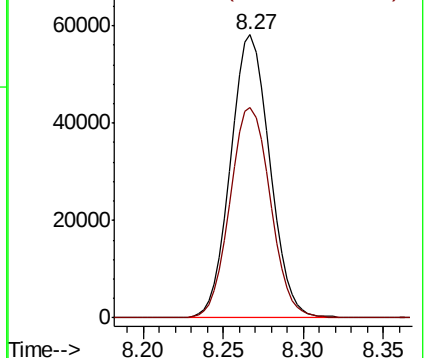


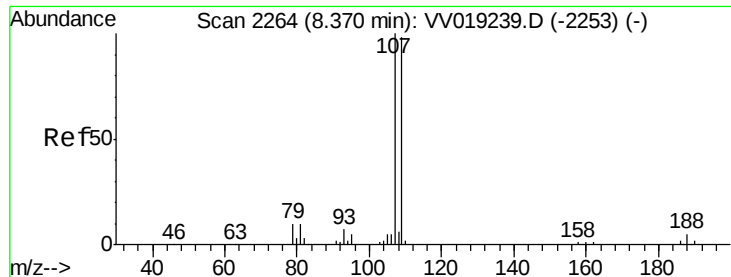
#49
Dibromochloromethane
Concen: 50.500 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

Tgt Ion: 129 Resp: 97427
Ion Ratio Lower Upper
129 100
127 74.4 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VV019239.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV019239.D (-2219) (-)

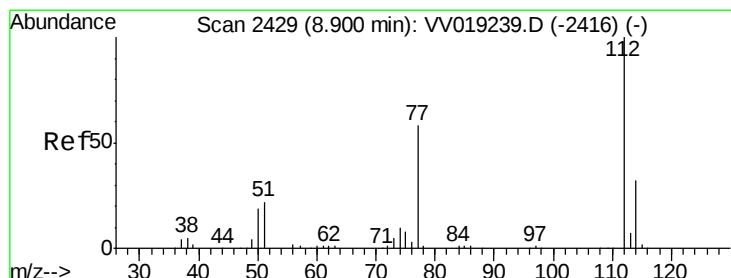
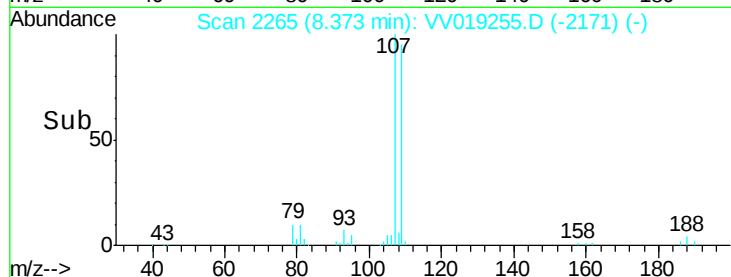
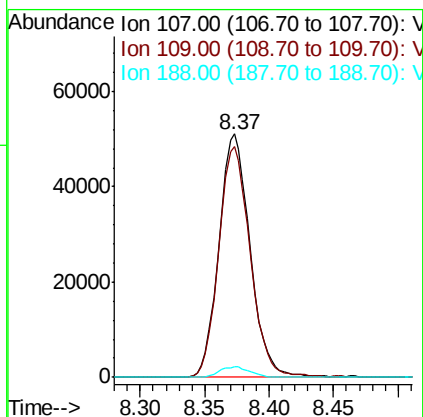
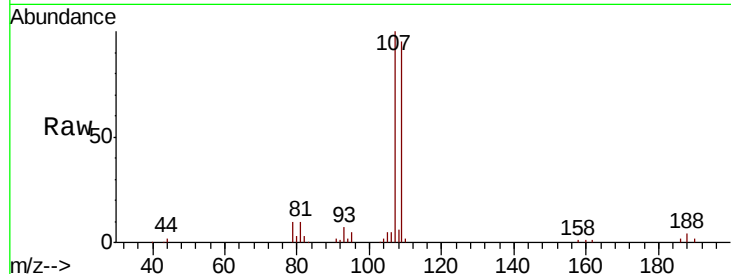




#50
 1,2-Dibromoethane
 Concen: 50.265 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

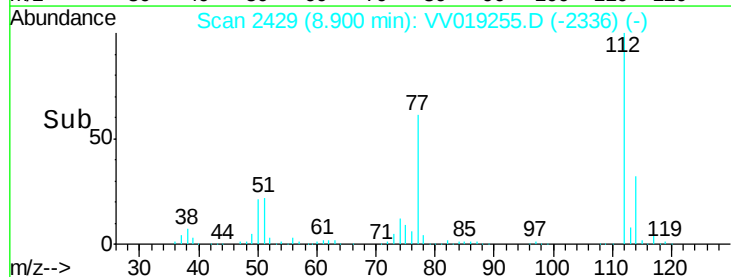
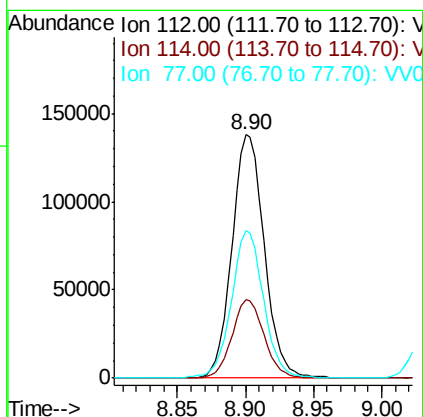
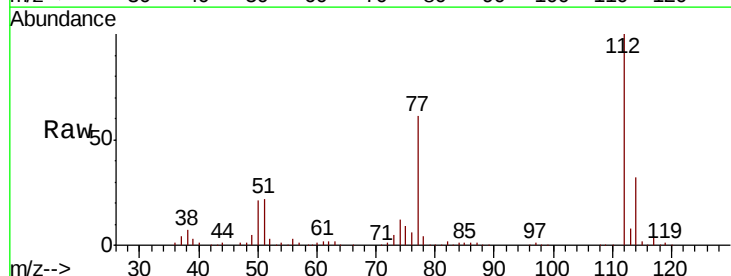
Instrument :
 MSVOA_V
 ClientSampleId :

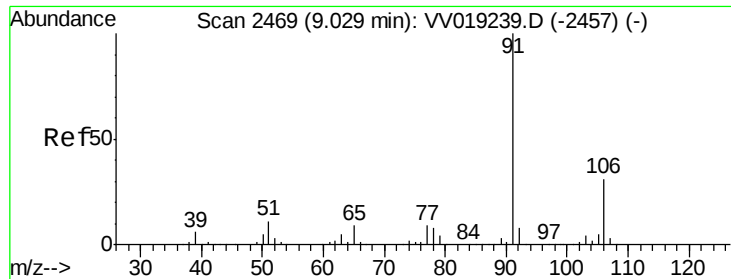
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	65.7	121.9
188	4.2	3.4	5.2



#51
 Chlorobenzene
 Concen: 49.469 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.3	41.5
77	60.7	46.7	70.1

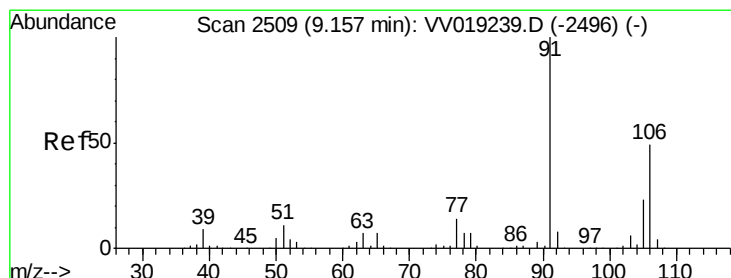
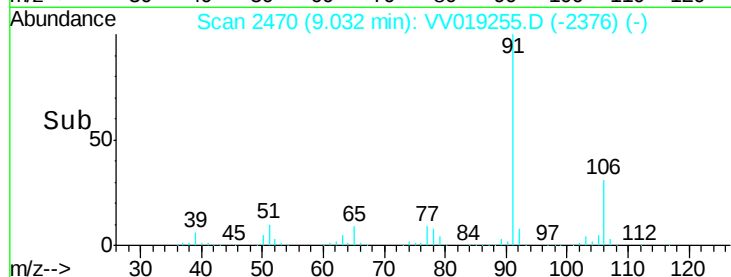
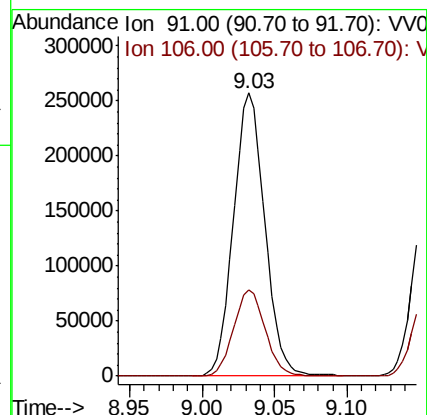
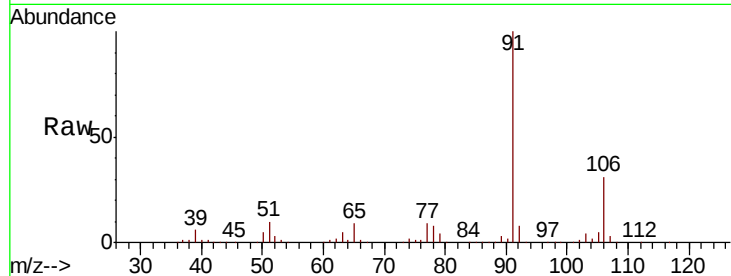




#52
Ethylbenzene
Concen: 49.943 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

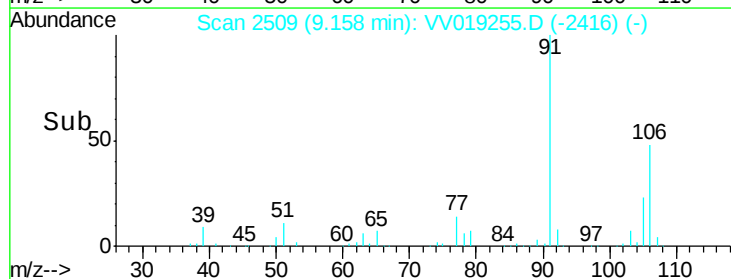
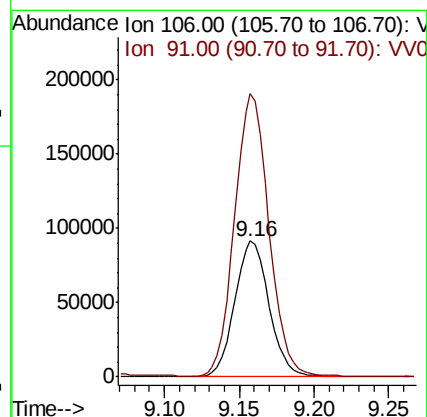
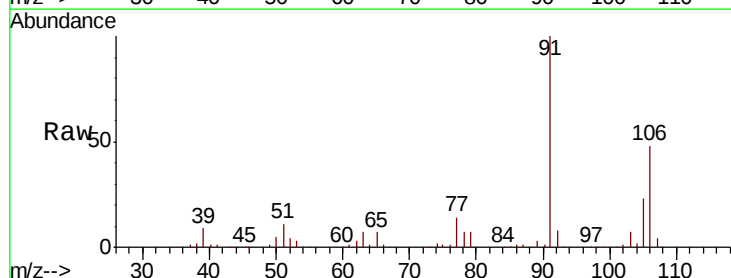
Instrument :
MSVOA_V
ClientSampled :

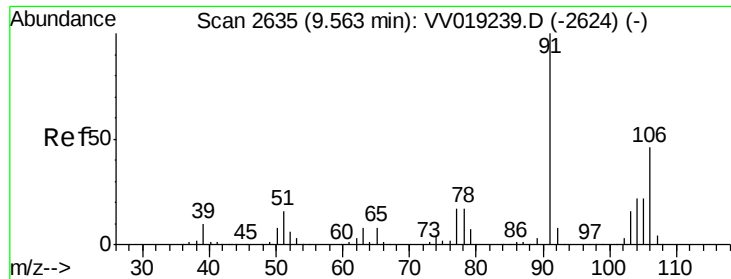
Tot Ion: 91 Resp: 385948
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.0



#53
m,p-Xylene
Concen: 49.792 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV019255.D
Acq: 04 Nov 2020 18:00

Tgt Ion: 106 Resp: 145333
Ion Ratio Lower Upper
106 100
91 208.6 145.4 270.0





#54

o-xylene

Concen: 50.233 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

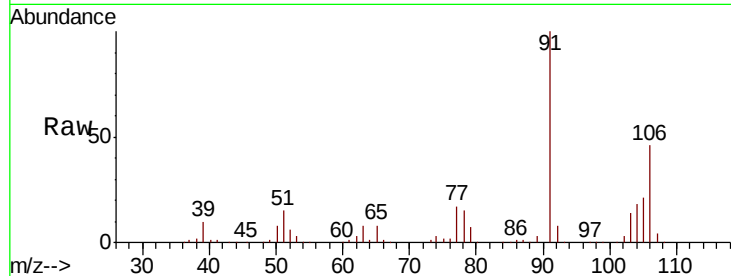
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 140771

Ion Ratio Lower Upper

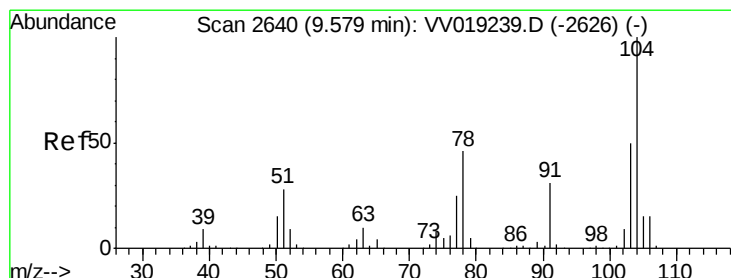
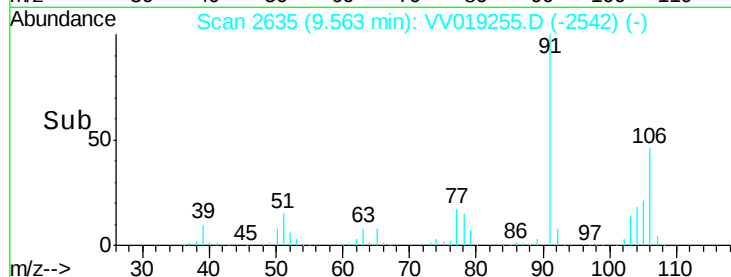
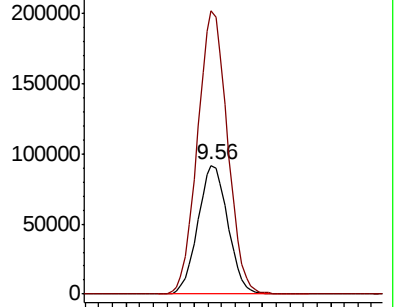
106 100

91 219.2 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.634 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019255.D

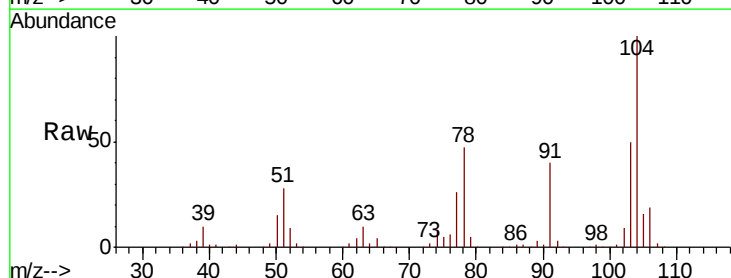
Acq: 04 Nov 2020 18:00

Tgt Ion:104 Resp: 256460

Ion Ratio Lower Upper

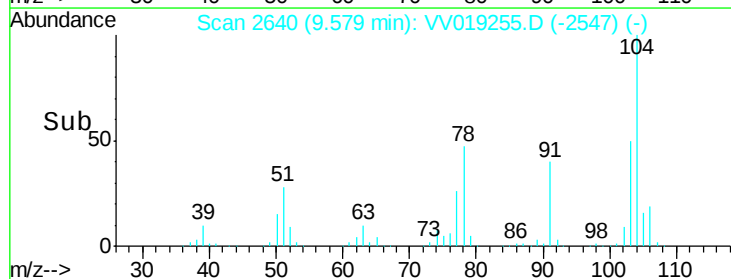
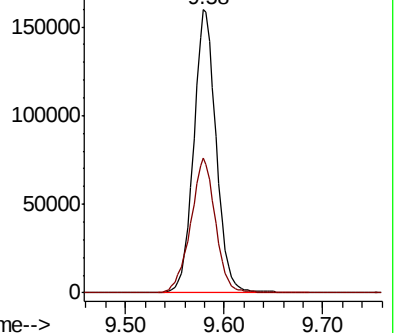
104 100

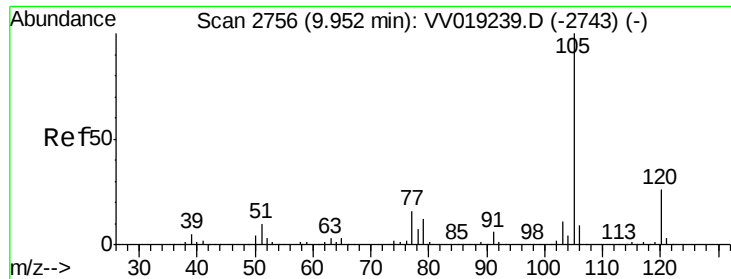
78 47.4 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.263 ug/L

RT: 9.95 min Scan# 2756

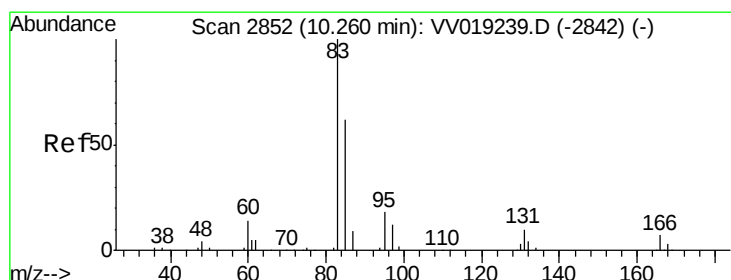
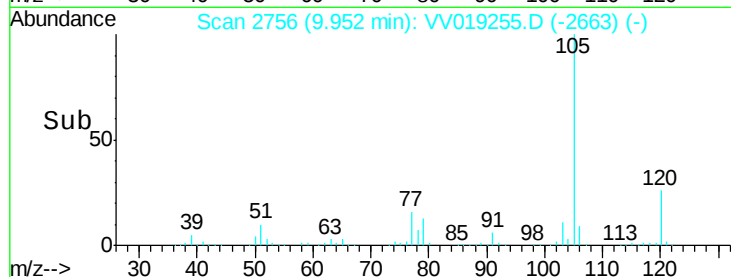
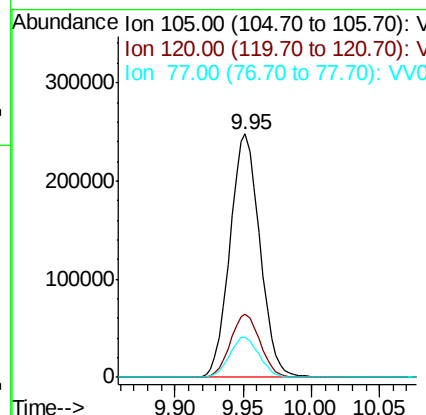
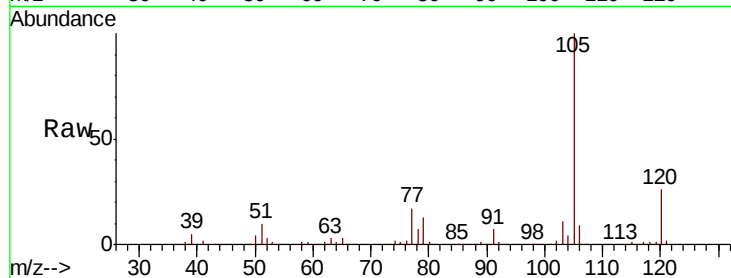
Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	378537
Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.3	31.9
77	16.4	13.0	19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 51.086 ug/L

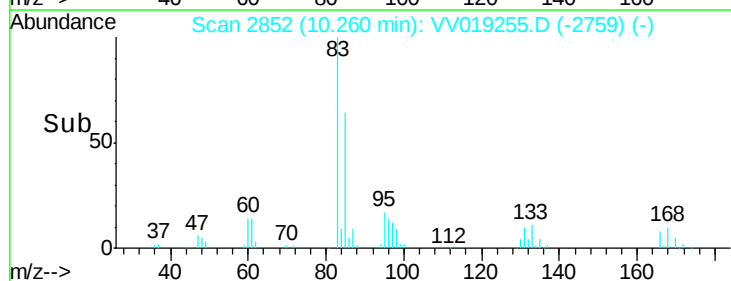
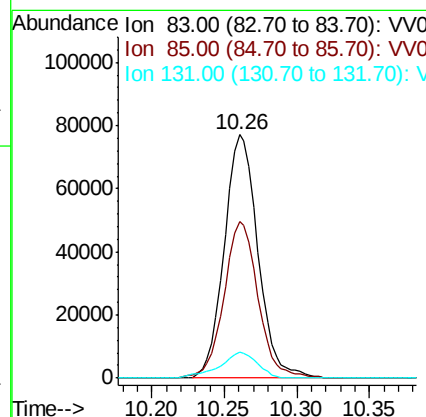
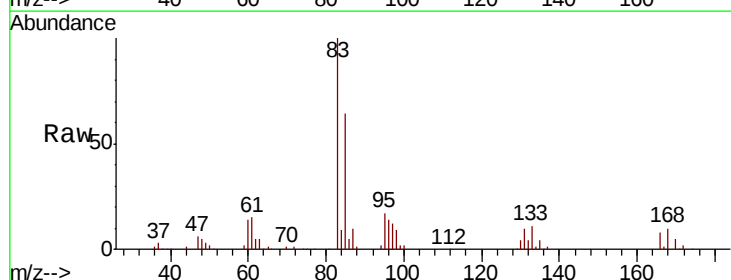
RT: 10.26 min Scan# 2852

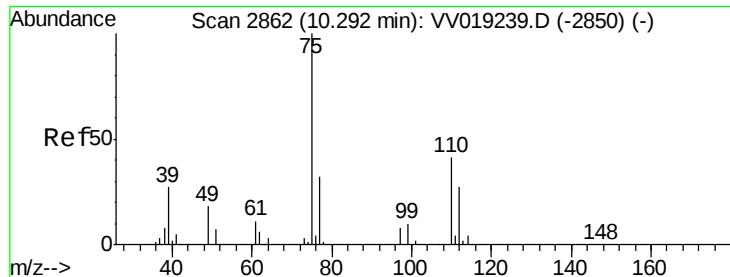
Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

Tgt Ion:	83	Resp:	123946
Ion	Ratio	Lower	Upper
83	100		
85	64.1	45.8	85.0
131	10.4	8.9	13.3





#59

1,2,3-Trichloropropane

Concen: 51.351 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

Instrument :

MSVOA_V

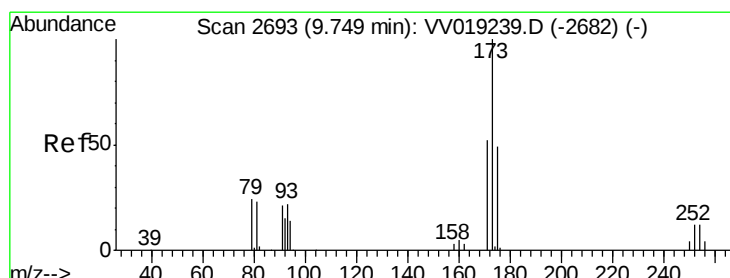
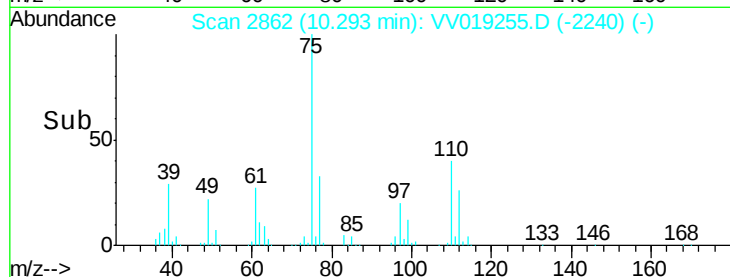
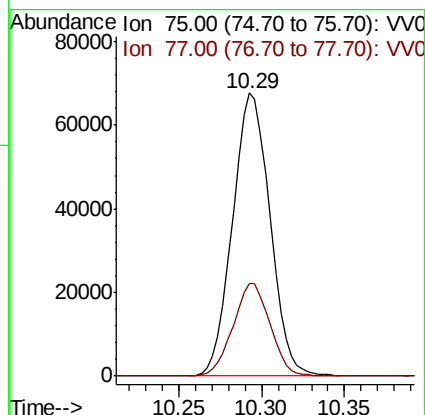
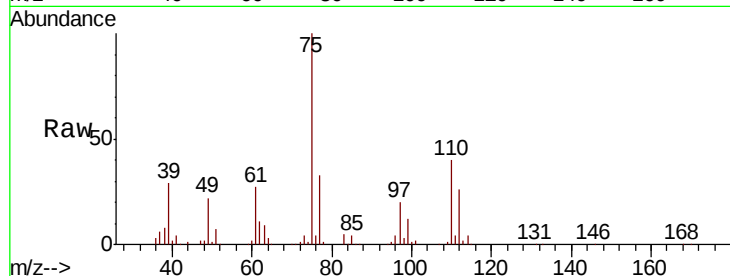
ClientSampleId :

Tot Ion: 75 Resp: 106651

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.4



#61

Bromoform

Concen: 47.112 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

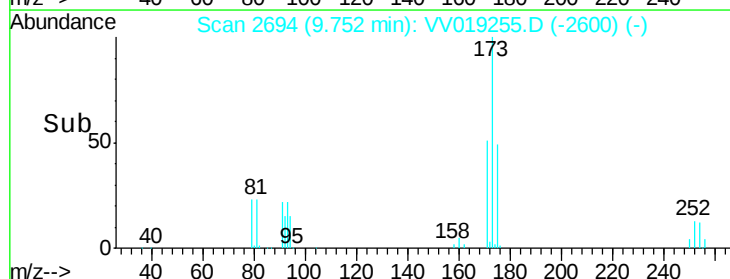
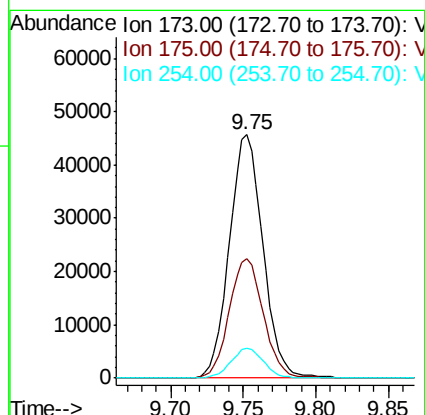
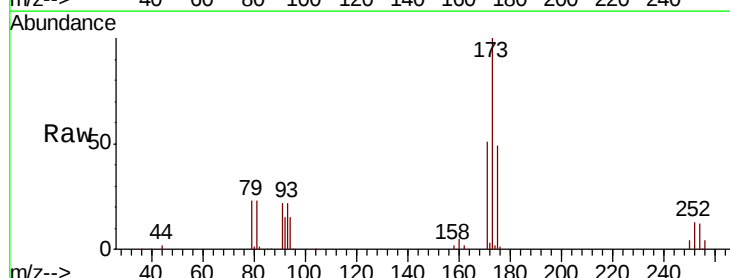
Tgt Ion: 173 Resp: 73468

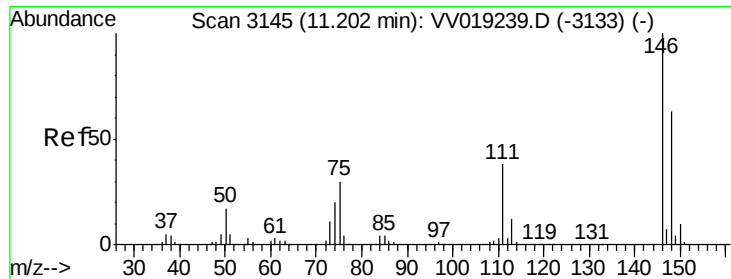
Ion Ratio Lower Upper

173 100

175 49.6 39.8 59.6

254 11.9 9.7 14.5

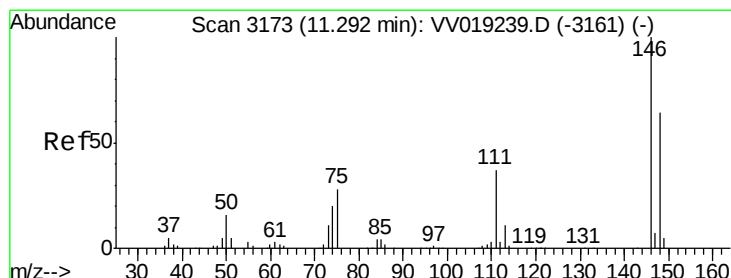
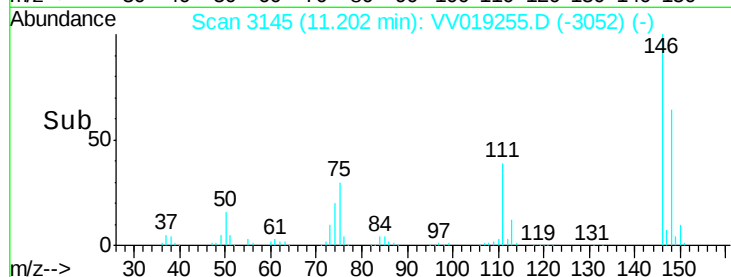
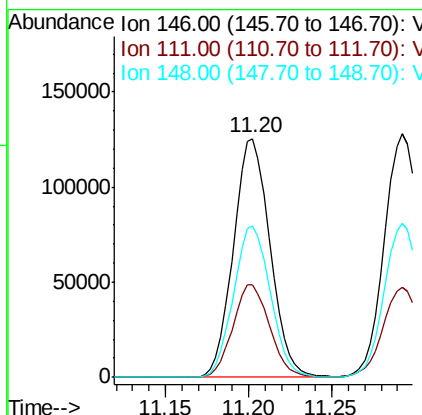
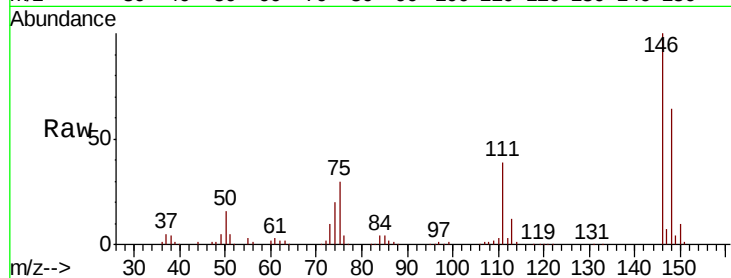




#62
 1,3-Dichlorobenzene
 Concen: 48.506 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

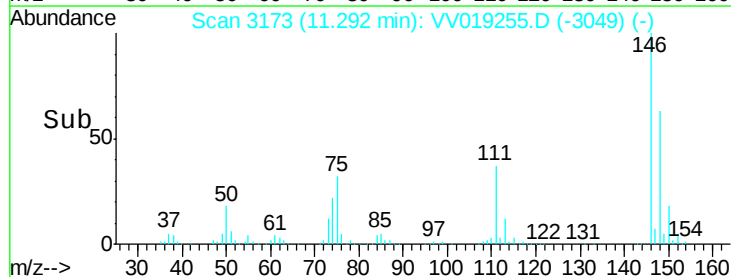
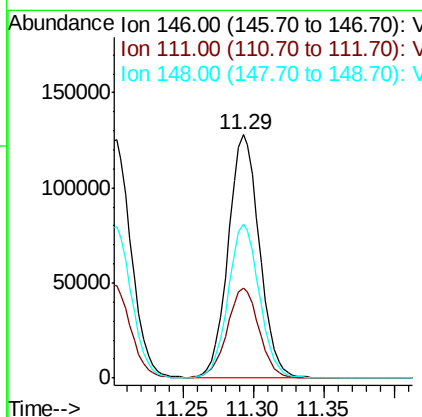
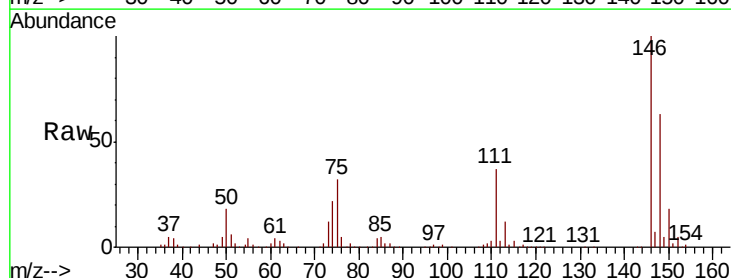
Instrument :
 MSVOA_V
 ClientSampleId :

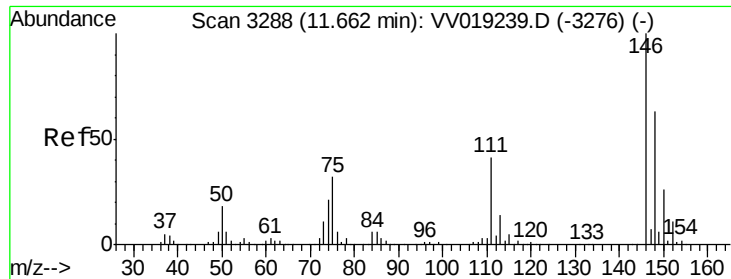
Tot Ion:146 Resp: 193420
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.1 50.3
 148 63.6 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 47.915 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

Tgt Ion:146 Resp: 198566
 Ion Ratio Lower Upper
 146 100
 111 37.2 25.8 48.0
 148 63.1 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 49.554 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

Instrument :

MSVOA_V

ClientSampleId :

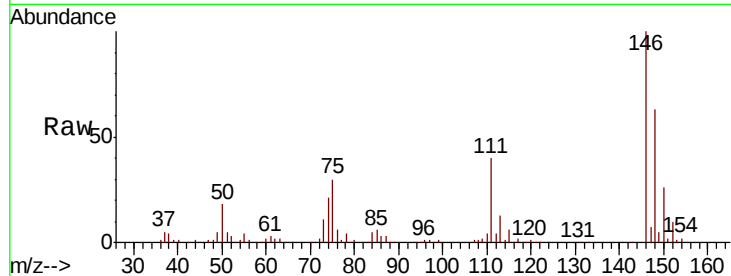
Tot Ion:146 Resp: 195751

Ion Ratio Lower Upper

146 100

111 40.1 32.2 48.4

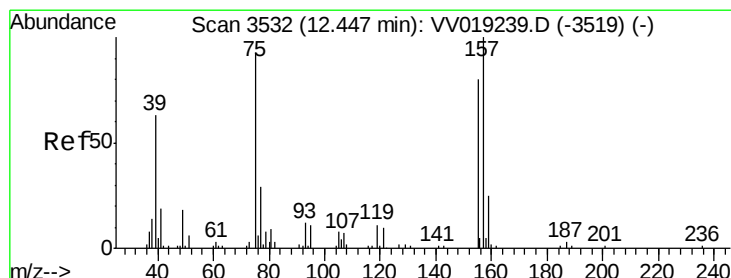
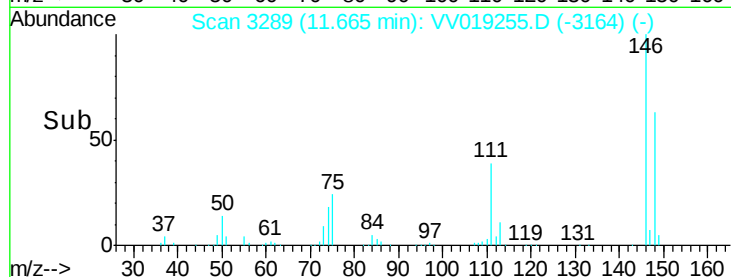
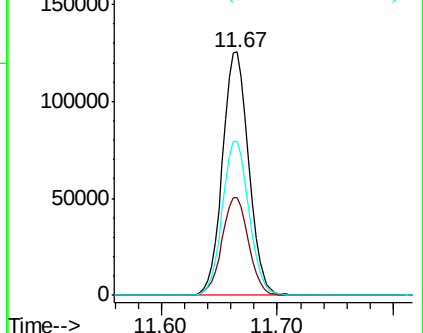
148 63.4 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 46.560 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

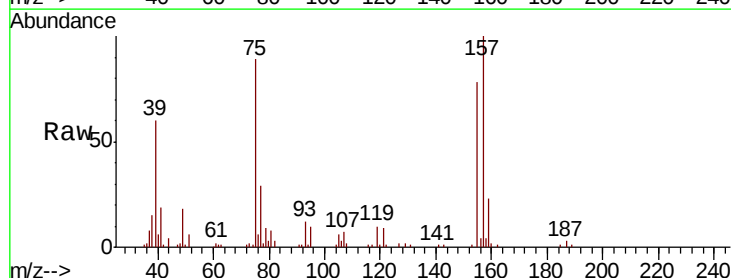
Tgt Ion: 75 Resp: 31470

Ion Ratio Lower Upper

75 100

155 87.6 71.1 106.7

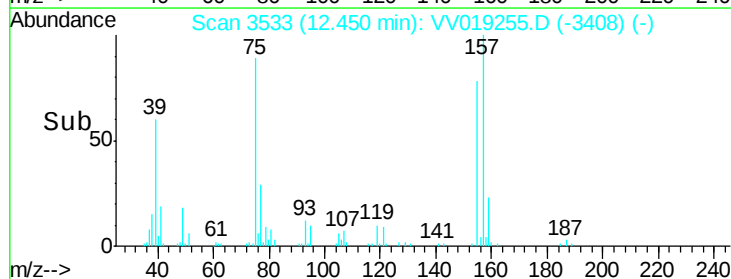
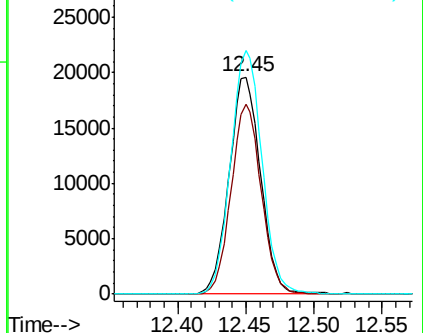
157 112.0 90.5 135.7

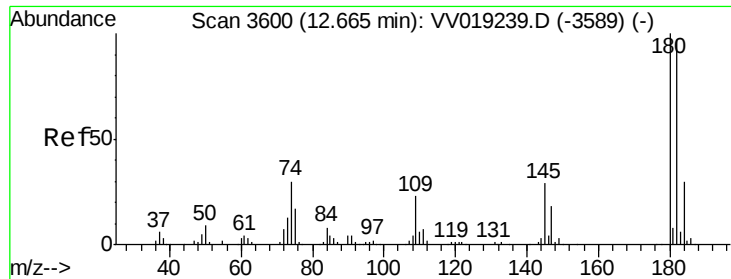


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

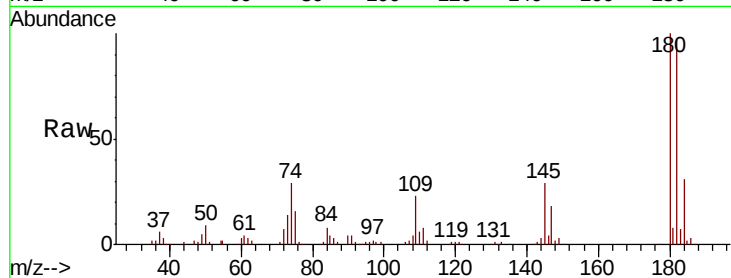




#67
 1,3,5-Trichlorobenzene
 Concen: 47.567 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
184	30.6	24.5	36.7
145	28.5	22.7	34.1

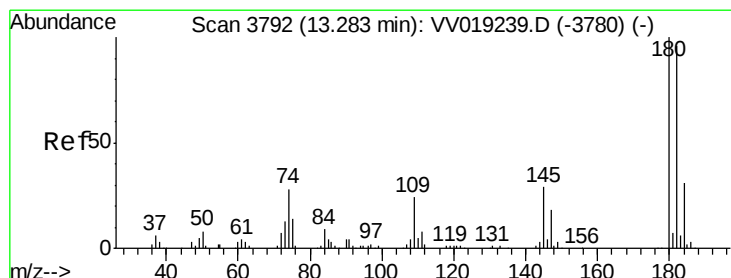
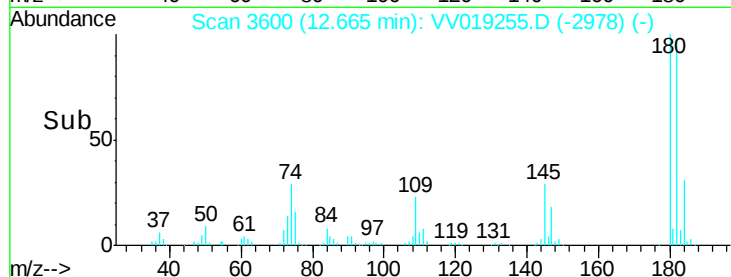
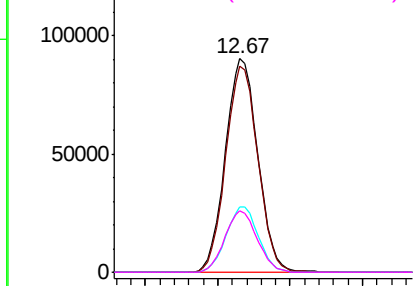


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

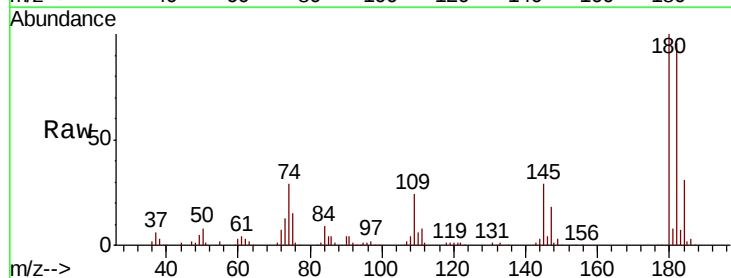
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.415 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019255.D
 Acq: 04 Nov 2020 18:00

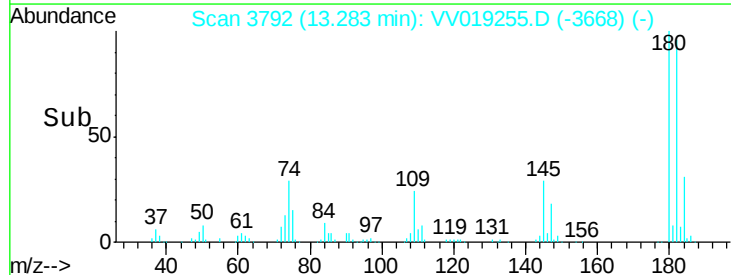
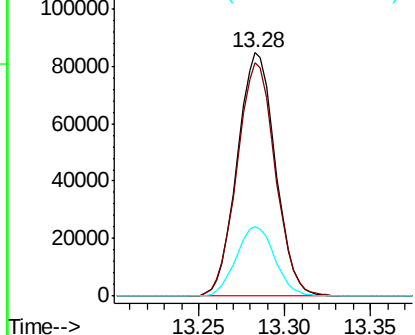
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.6
145	29.0	22.6	34.0

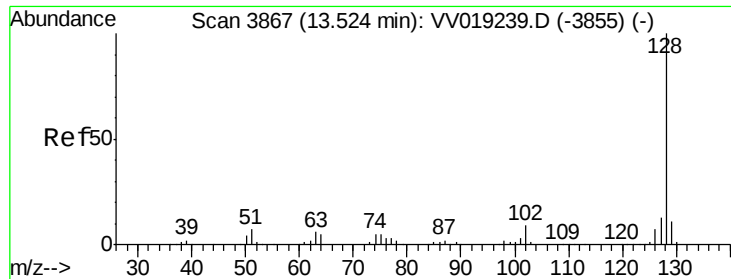


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 50.314 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

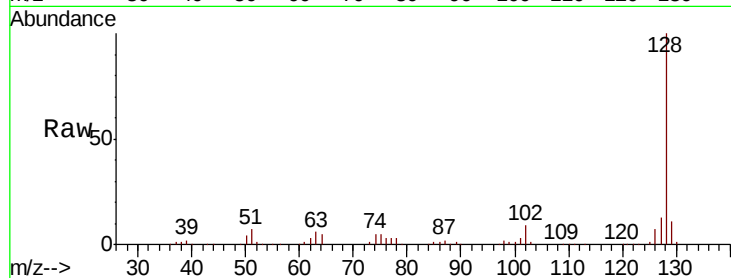
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 387579

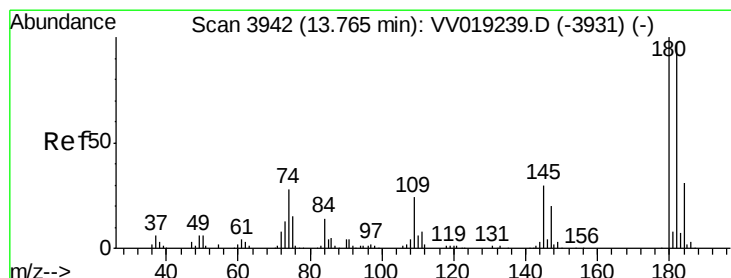
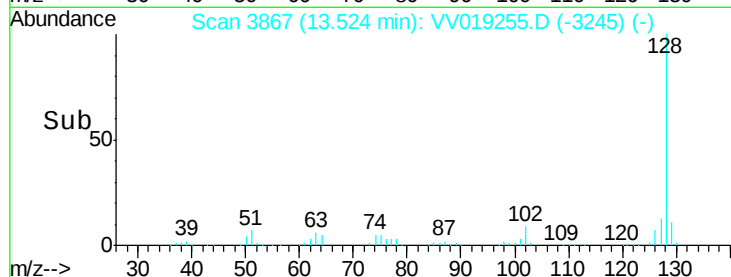
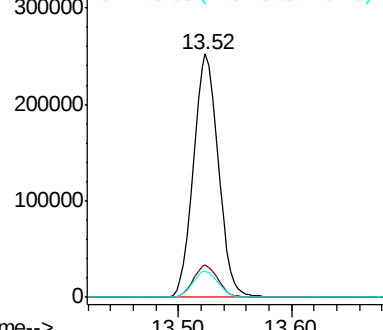
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	10.9	8.6	13.0



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



#70

1,2,3-Trichlorobenzene

Concen: 50.128 ug/L

RT: 13.77 min Scan# 3942

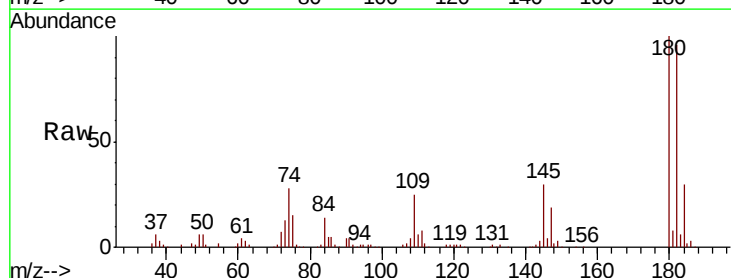
Delta R.T. 0.00 min

Lab File: VV019255.D

Acq: 04 Nov 2020 18:00

Tgt Ion:180 Resp: 134913

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.4
145	30.6	25.1	37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

