

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061820\
 Data File : VV016967.D
 Acq On : 18 Jun 2020 09:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 19 04:31:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 18 06:37:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	363142	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	348007	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	188787	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	103860	40.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.06%
7) Chloroethane-d5	1.58	69	74280	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.62%
11) 1,1-Dichloroethene-d2	2.13	63	210156	48.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.68%
21) 2-Butanone-d5	3.90	46	176894	93.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.27%
24) Chloroform-d	4.37	84	245693	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
26) 1,2-Dichloroethane-d4	5.05	65	175113	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
32) Benzene-d6	5.07	84	473187	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
36) 1,2-Dichloropropane-d6	6.09	67	145331	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.96%
41) Toluene-d8	7.33	98	449783	48.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.72%
43) trans-1,3-Dichloropropene-	7.64	79	80826	49.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.26%
47) 2-Hexanone-d5	8.10	63	118391	86.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.84%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	194235	46.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	189234	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	145759	50.628	ug/L 100
3) Chloromethane	1.25	50	122836	46.655	ug/L 99
5) Vinyl chloride	1.32	62	122817	47.436	ug/L 100
6) Bromomethane	1.53	94	68417	63.447	ug/L 96
8) Chloroethane	1.60	64	66733	52.178	ug/L 97
9) Trichlorofluoromethane	1.77	101	206381	53.266	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	104782	54.271	ug/L 99
12) 1,1-Dichloroethene	2.14	96	93760	52.021	ug/L 92
13) Acetone	2.18	43	145898	116.758	ug/L 98
14) Carbon disulfide	2.31	76	308488	47.273	ug/L 100
15) Methyl Acetate	2.44	43	136460	48.996	ug/L 100
16) Methylene chloride	2.52	84	126387	47.787	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	119930	48.803	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	419137	51.474	ug/L 99
19) 1,1-Dichloroethane	3.21	63	227250	49.127	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	134408	50.169	ug/L 98
22) 2-Butanone	3.98	43	197266	102.372	ug/L 97

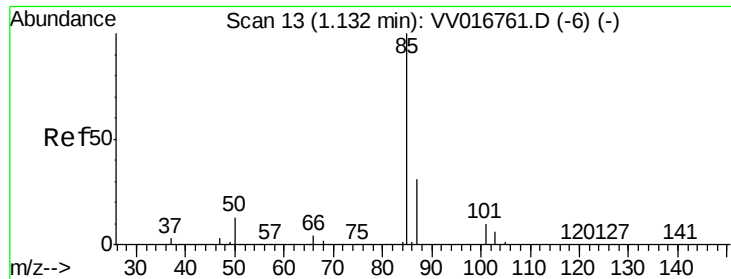
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	72577	51.426	uq/L	96
25) Chloroform	4.40	83	253614	53.349	uq/L	98
27) 1,2-Dichloroethane	5.15	62	207658	52.109	uq/L	99
29) Cyclohexane	4.70	56	196933	45.539	uq/L	98
30) 1,1,1-Trichloroethane	4.63	97	225378	50.783	uq/L	99
31) Carbon tetrachloride	4.85	117	202921	52.852	uq/L	99
33) Benzene	5.12	78	493619	47.940	uq/L	100
34) Trichloroethene	5.94	95	140514	50.883	uq/L	99
35) Methylcyclohexane	6.15	83	208588	48.148	uq/L	98
37) 1,2-Dichloropropane	6.20	63	127253	47.523	uq/L	99
38) Bromodichloromethane	6.53	83	183933	51.601	uq/L	98
39) cis-1,3-Dichloropropene	7.05	75	219187	52.697	uq/L	98
40) 4-Methyl-2-pentanone	7.24	43	372981	98.299	uq/L	99
42) Toluene	7.41	91	542727	50.000	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	217877	53.880	uq/L	98
45) 1,1,2-Trichloroethane	7.86	97	129105	49.975	uq/L	99
46) Tetrachloroethene	8.00	164	111339	51.265	uq/L	94
48) 2-Hexanone	8.15	43	285994	97.211	uq/L	99
49) Dibromochloromethane	8.27	129	149533	54.136	uq/L	99
50) 1,2-Dibromoethane	8.37	107	137810	50.941	uq/L	99
51) Chlorobenzene	8.90	112	353949	49.981	uq/L	99
52) Ethylbenzene	9.03	91	612512	50.946	uq/L	99
53) m,p-Xylene	9.16	106	235576	52.626	uq/L	99
54) o-xylene	9.56	106	224092	50.758	uq/L	98
55) Styrene	9.58	104	395535	52.990	uq/L	98
56) Isopropylbenzene	9.95	105	619957	52.261	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	190747	48.158	uq/L	96
59) 1,2,3-Trichloropropane	10.30	75	166671	50.167	uq/L	99
61) Bromoform	9.75	173	106348	54.767	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	304936	50.997	uq/L	100
63) 1,4-Dichlorobenzene	11.29	146	307139	50.484	uq/L	97
65) 1,2-Dichlorobenzene	11.67	146	302358	50.458	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	43719	46.399	uq/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	237682	53.306	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	215994	52.813	uq/L	99
69) Naphthalene	13.52	128	608549	51.728	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	212012	52.980	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 50.628 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

Instrument :

MSVOA_V

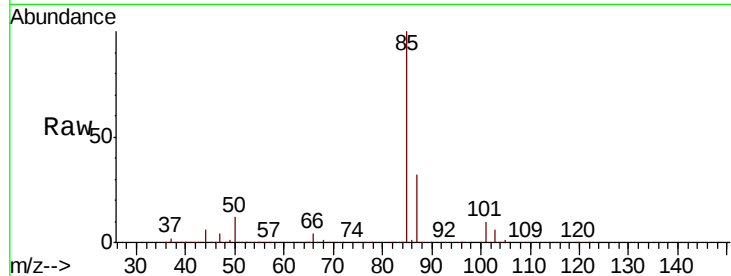
ClientSampleId :

Tot Ion: 85 Resp: 145759

Ion Ratio Lower Upper

85 100

87 31.9 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

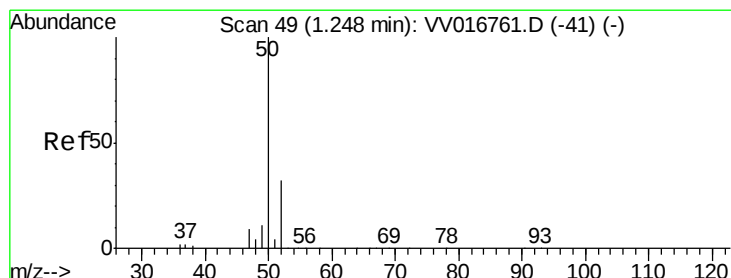
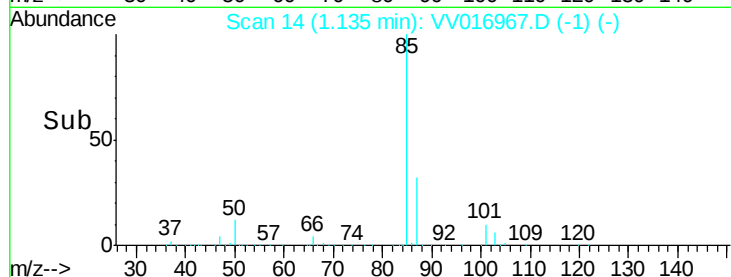
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.655 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016967.D

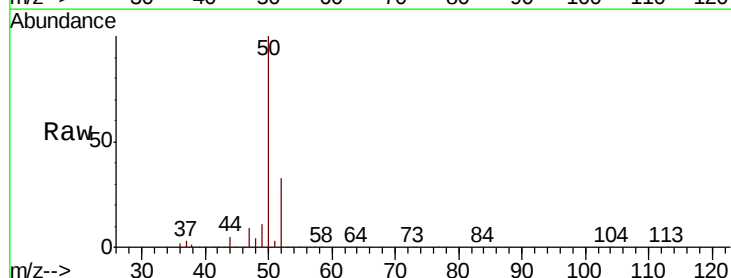
Acq: 18 Jun 2020 09:53

Tgt Ion: 50 Resp: 122836

Ion Ratio Lower Upper

50 100

52 32.7 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

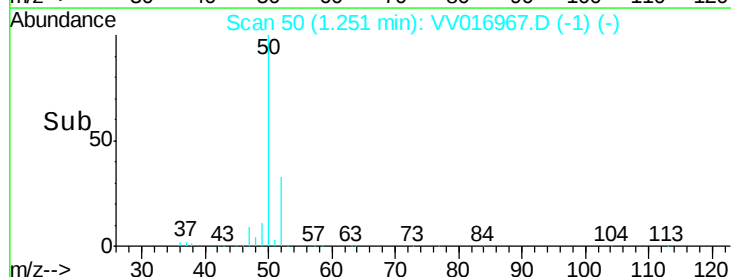
1.25

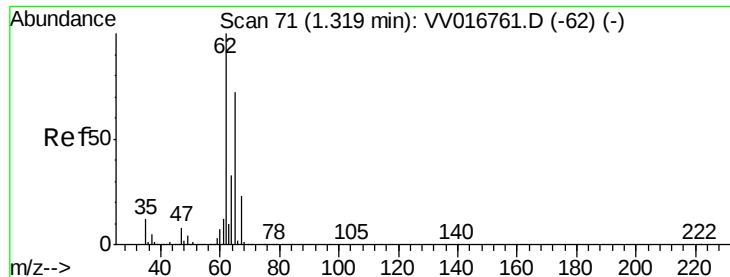
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.436 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

Instrument :

MSVOA_V

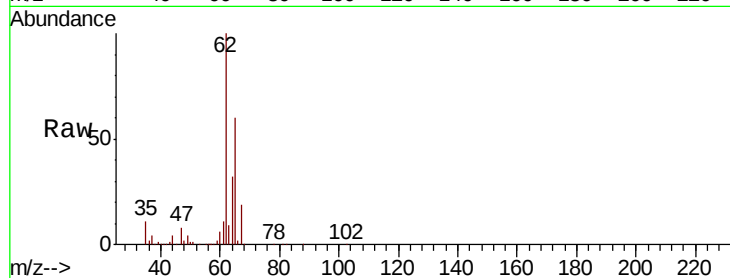
ClientSampled :

Tot Ion: 62 Resp: 122817

Ion Ratio Lower Upper

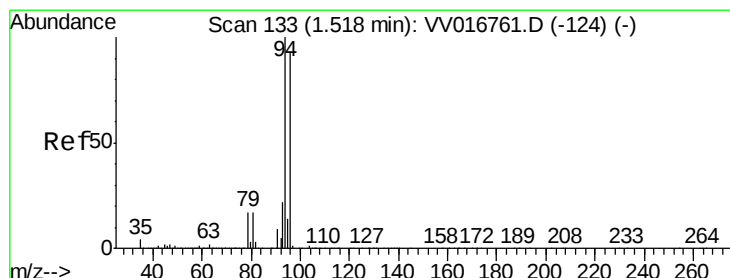
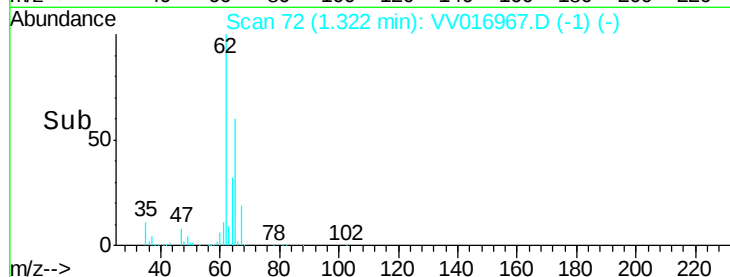
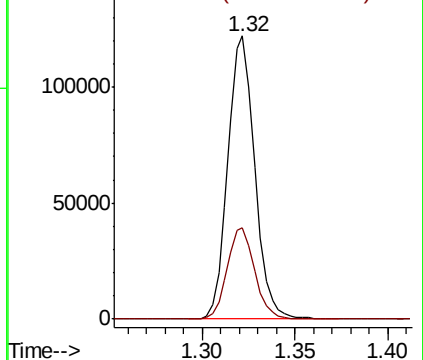
62 100

64 32.1 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 63.447 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.01 min

Lab File: VV016967.D

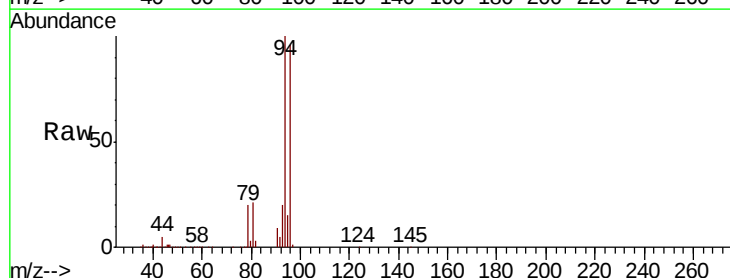
Acq: 18 Jun 2020 09:53

Tgt Ion: 94 Resp: 68417

Ion Ratio Lower Upper

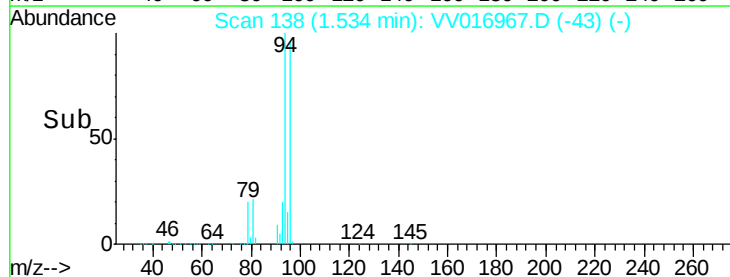
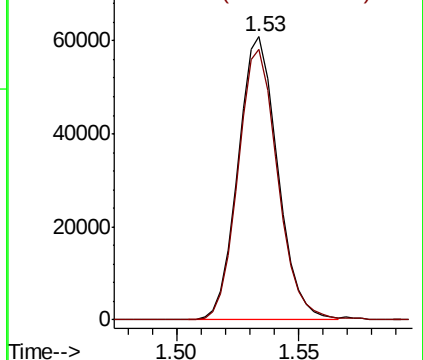
94 100

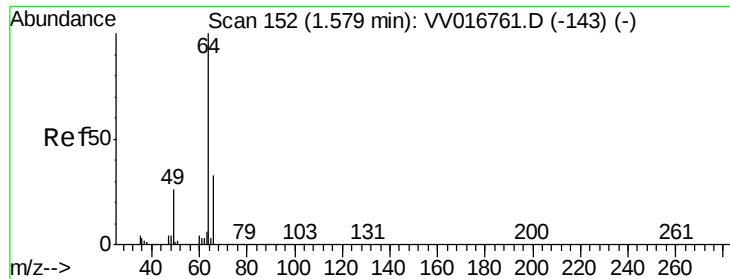
96 95.7 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

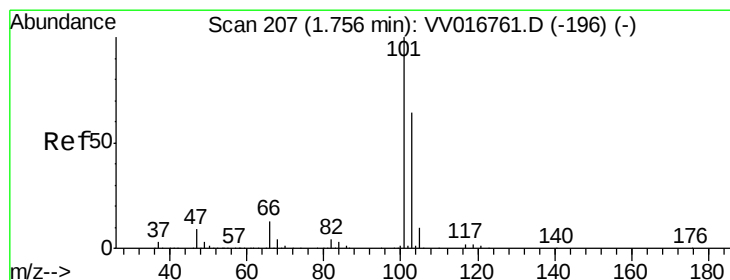
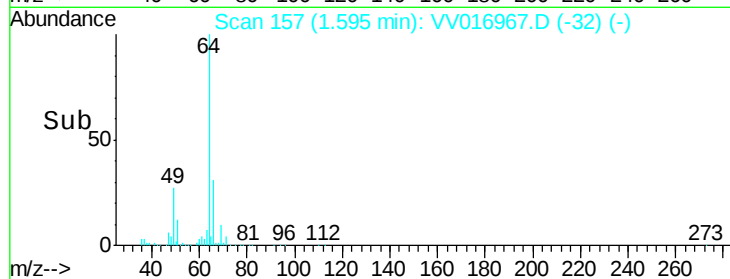
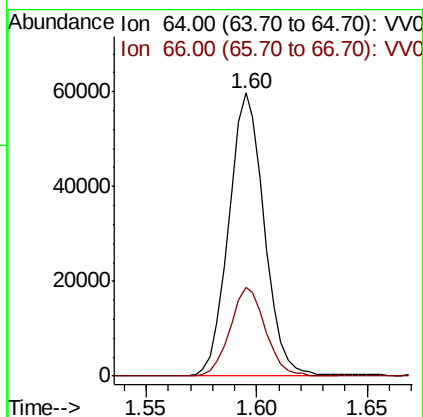
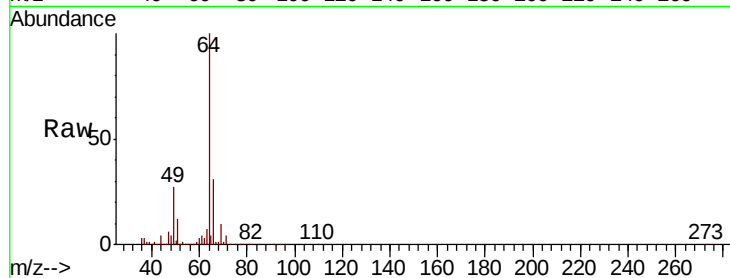




#8
Chloroethane
Concen: 52.178 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV016967.D
Acq: 18 Jun 2020 09:53

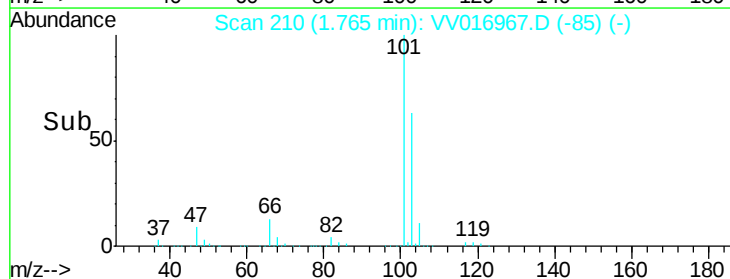
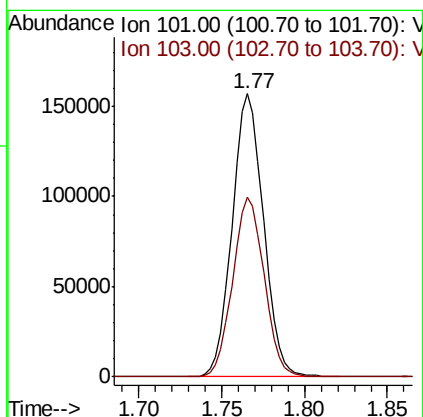
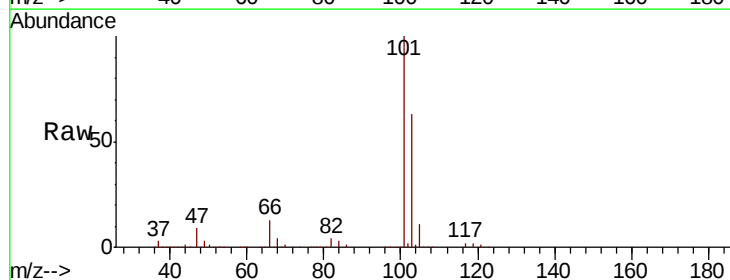
Instrument :
MSVOA_V
ClientSampleId :

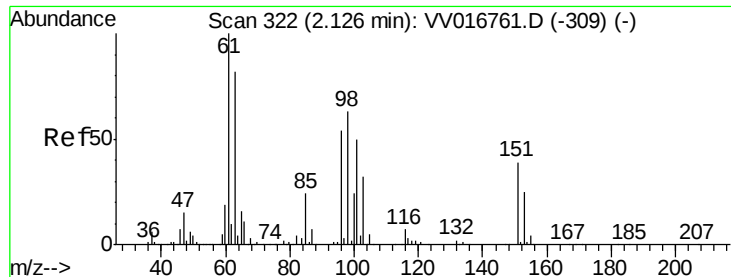
Tot Ion: 64 Resp: 66733
Ion Ratio Lower Upper
64 100
66 31.3 23.2 43.0



#9
Trichlorofluoromethane
Concen: 53.266 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV016967.D
Acq: 18 Jun 2020 09:53

Tgt Ion:101 Resp: 206381
Ion Ratio Lower Upper
101 100
103 63.8 51.3 76.9





#10

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

Concen: 54.271 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

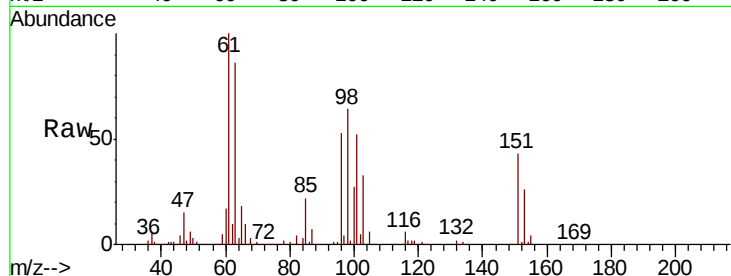
Tot Ion:101 Resp: 104782

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

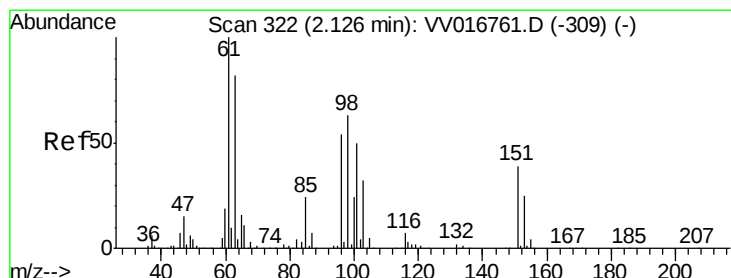
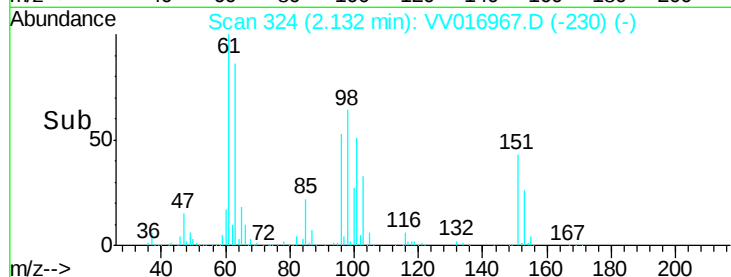
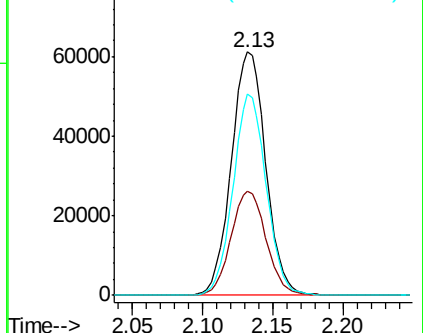
151 79.8 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 52.021 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

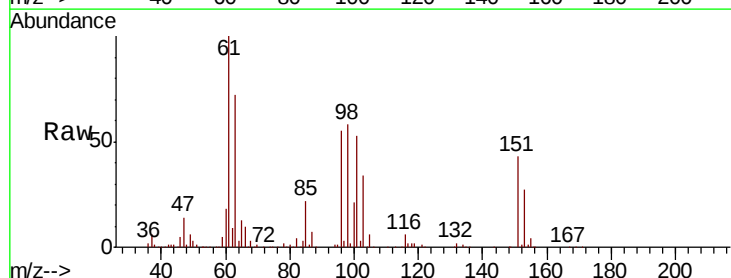
Tgt Ion: 96 Resp: 93760

Ion Ratio Lower Upper

96 100

61 181.2 130.4 242.2

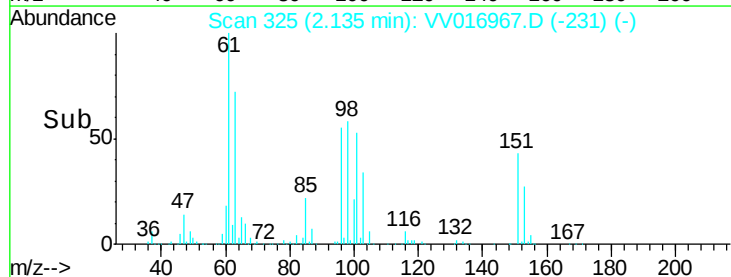
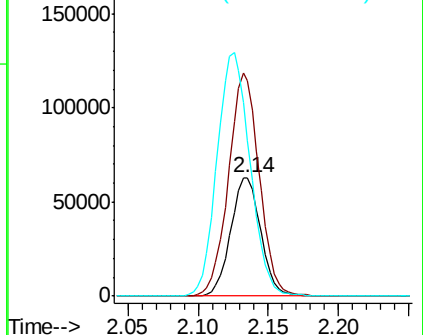
63 130.5 103.3 191.9

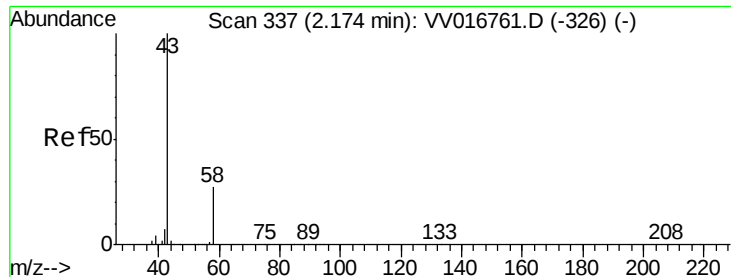


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 116.758 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.01 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

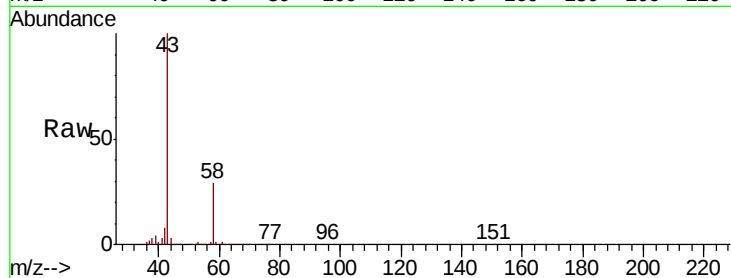
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 145898

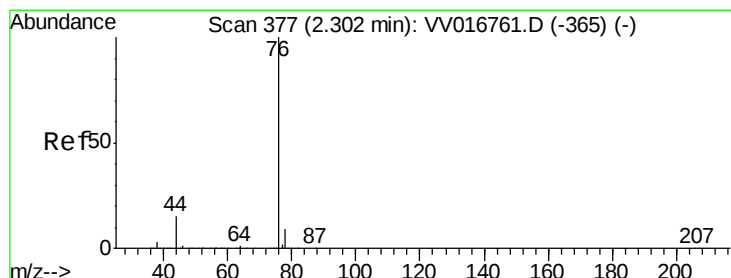
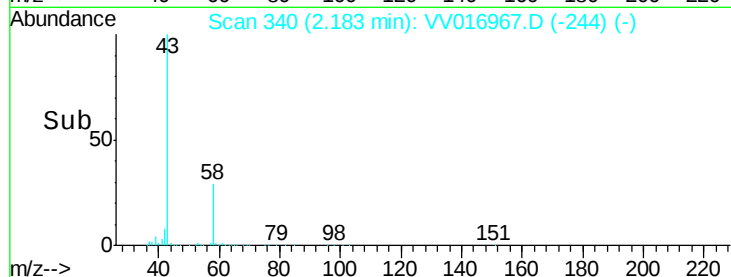
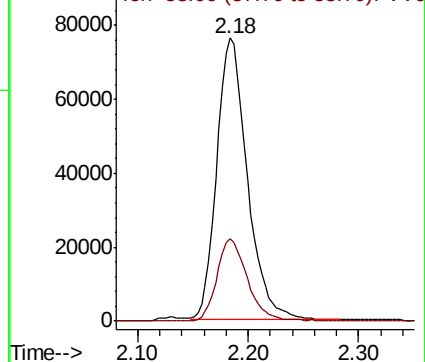
Ion Ratio Lower Upper

43 100

58 28.4 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 47.273 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016967.D

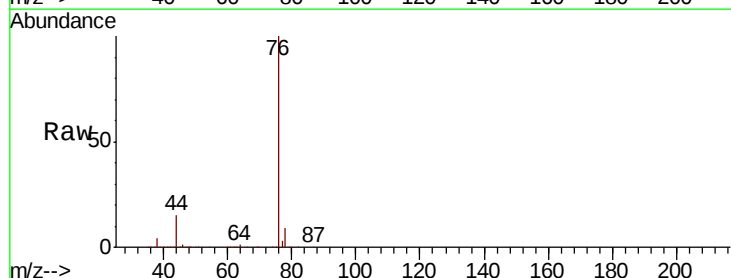
Acq: 18 Jun 2020 09:53

Tgt Ion: 76 Resp: 308488

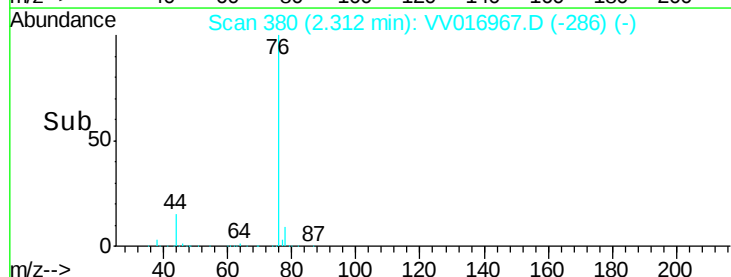
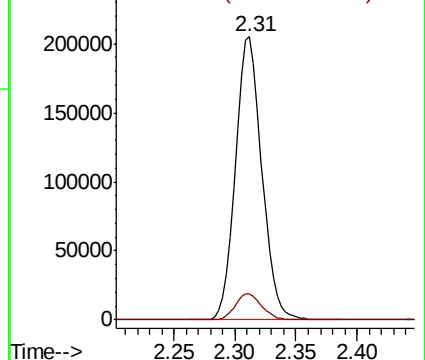
Ion Ratio Lower Upper

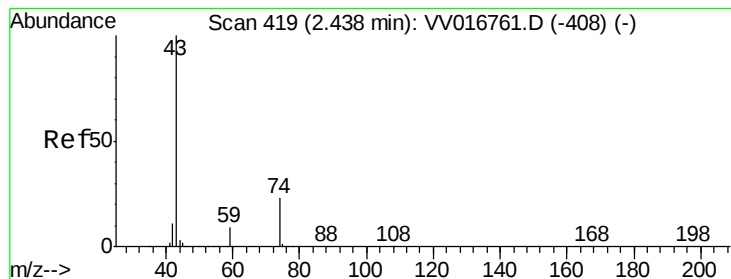
76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0
Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 48.996 ug/L

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

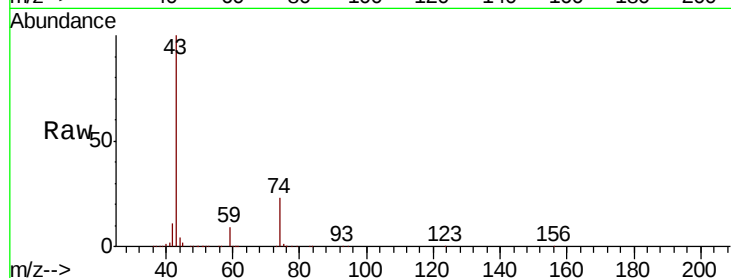
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 136460

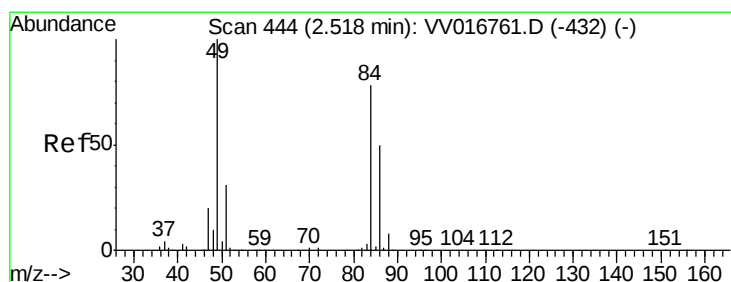
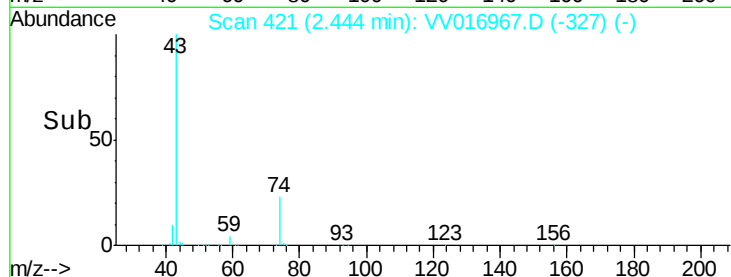
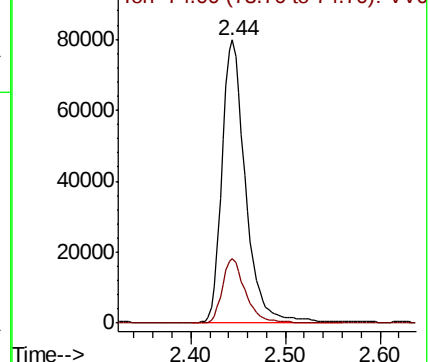
Ion Ratio Lower Upper

43 100

74 22.4 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 47.787 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

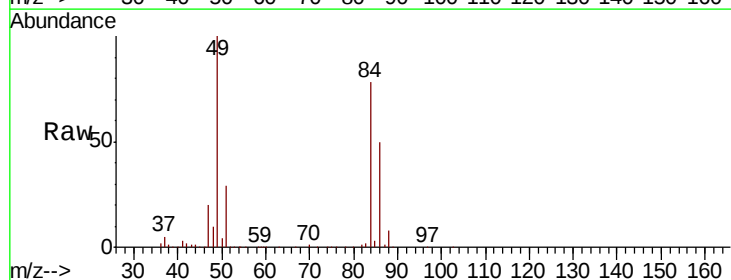
Tgt Ion: 84 Resp: 126387

Ion Ratio Lower Upper

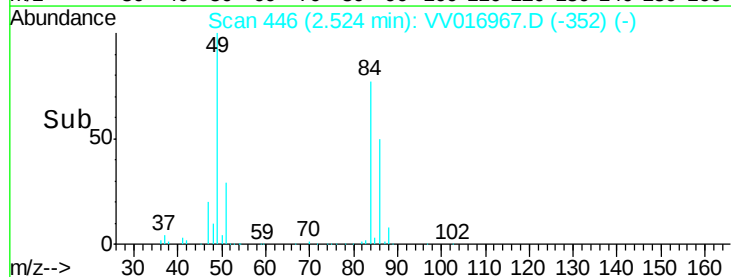
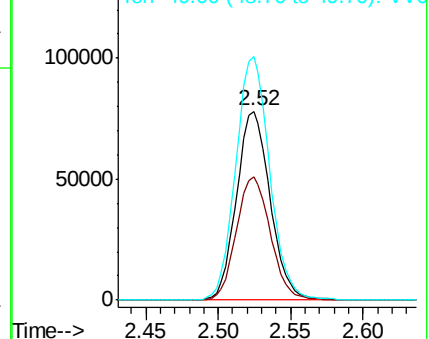
84 100

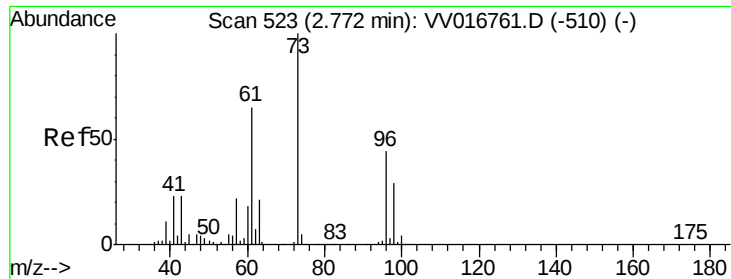
86 65.1 44.0 81.8

49 128.9 90.9 168.9



Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0

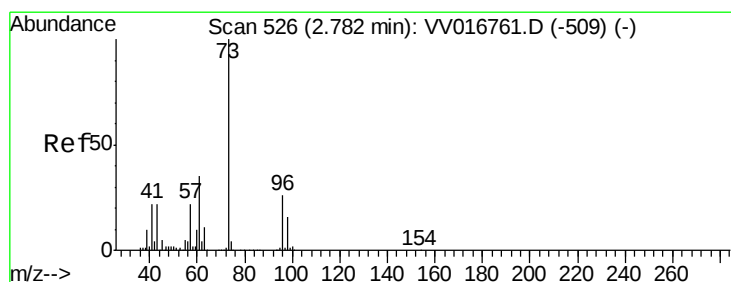
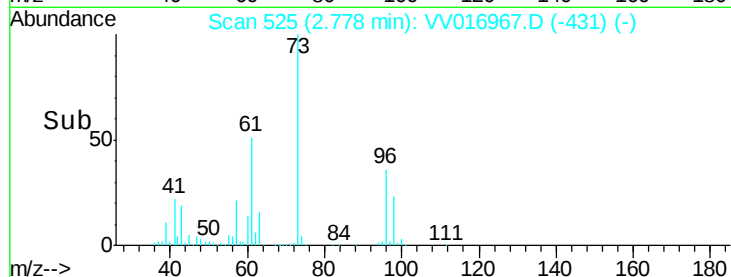
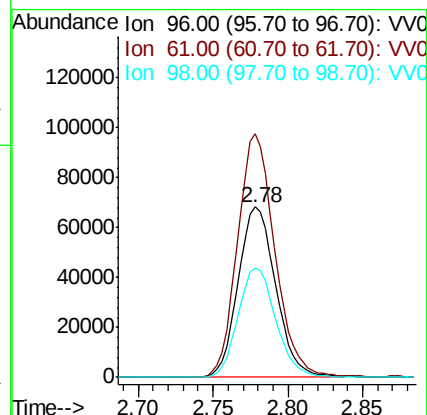
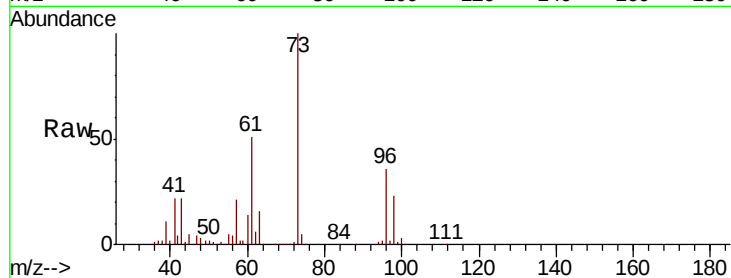




#17
trans-1,2-Dichloroethene
Concen: 48.803 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV016967.D
Acq: 18 Jun 2020 09:53

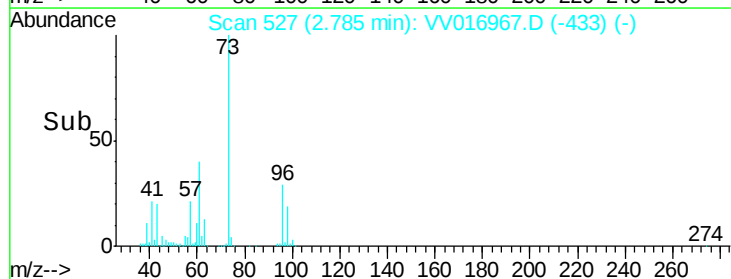
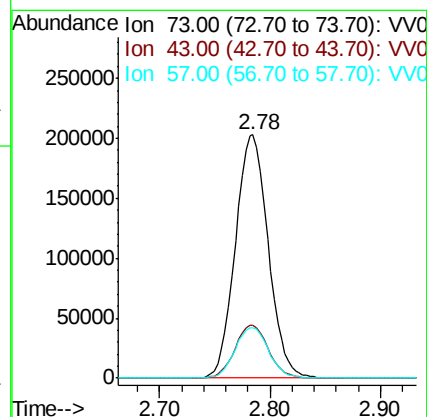
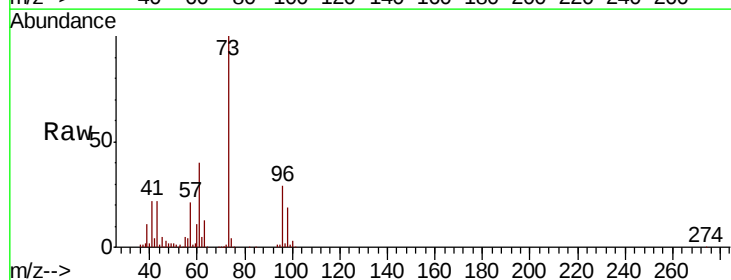
Instrument :
MSVOA_V
ClientSampleId :

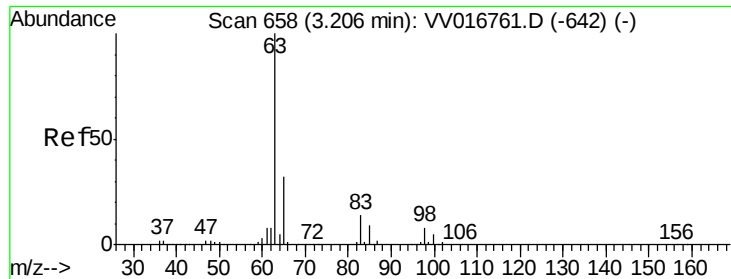
Tot Ion: 96 Resp: 119930
Ion Ratio Lower Upper
96 100
61 143.1 102.9 191.1
98 64.4 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 51.474 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV016967.D
Acq: 18 Jun 2020 09:53

Tgt Ion: 73 Resp: 419137
Ion Ratio Lower Upper
73 100
43 22.1 17.8 26.6
57 21.3 17.7 26.5

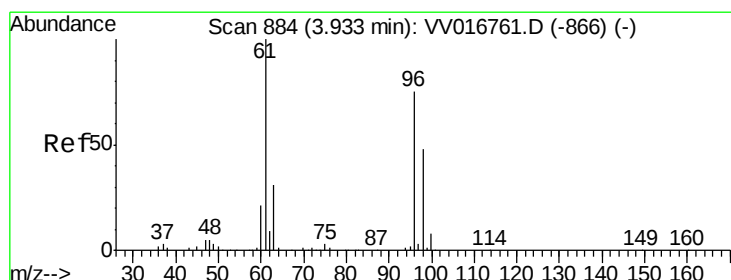
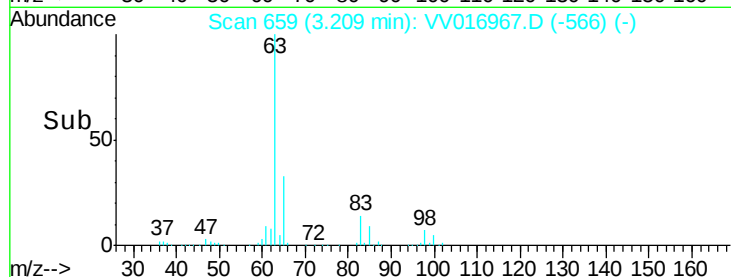
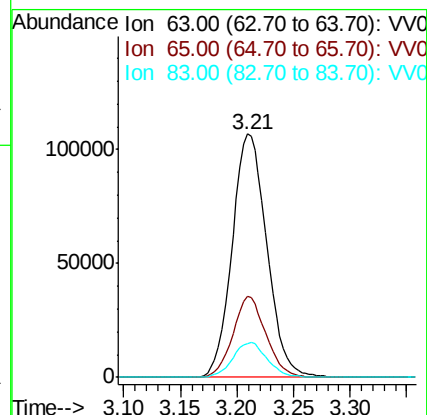
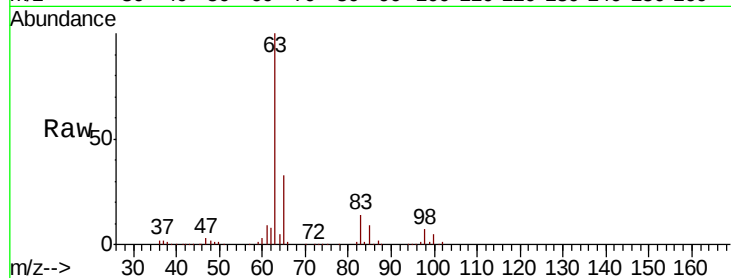




#19
 1,1-Dichloroethane
 Concen: 49.127 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016967.D
 Acq: 18 Jun 2020 09:53

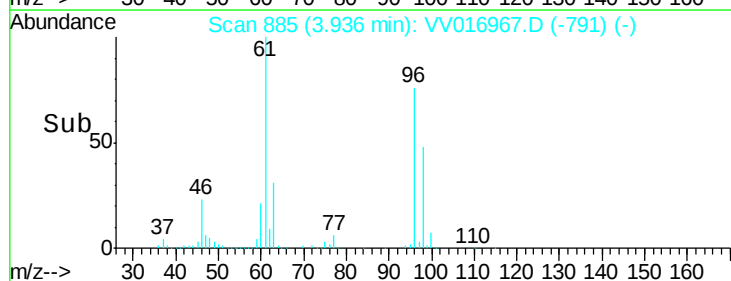
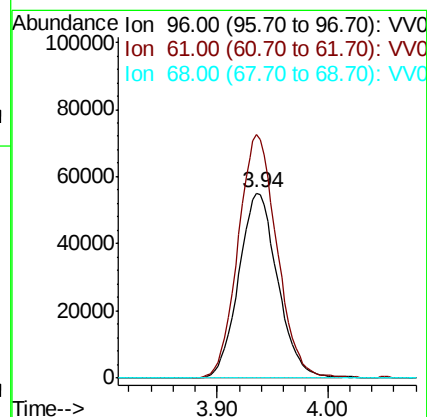
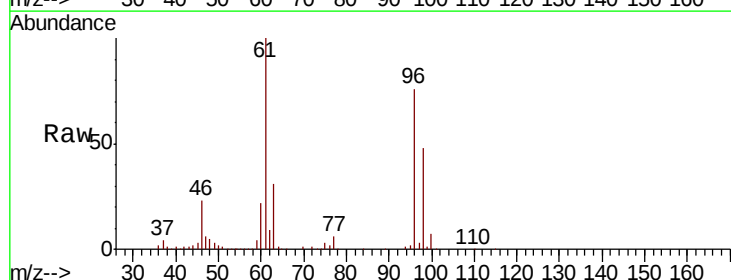
Instrument :
 MSVOA_V
 ClientSampled :

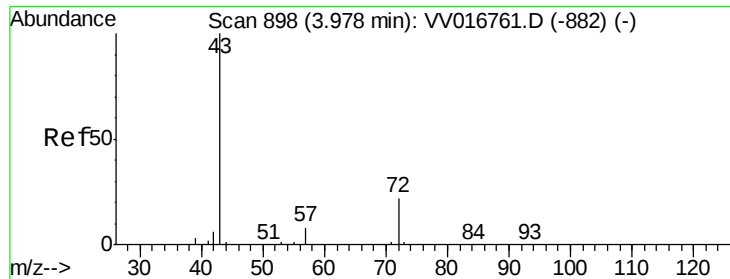
Tot Ion	Ratio	Lower	Upper
63	100		
65	33.2	23.2	43.0
83	14.1	10.0	18.6



#20
 cis-1,2-Dichloroethene
 Concen: 50.169 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV016967.D
 Acq: 18 Jun 2020 09:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.5	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 102.372 ug/L

RT: 3.98 min Scan# 900

Delta R.T. 0.01 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

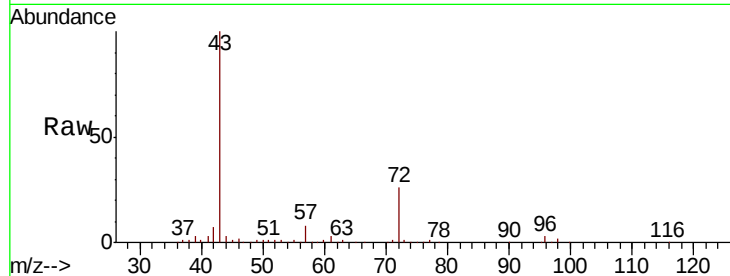
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 197266

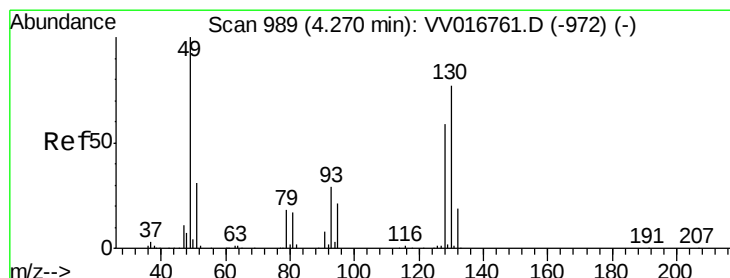
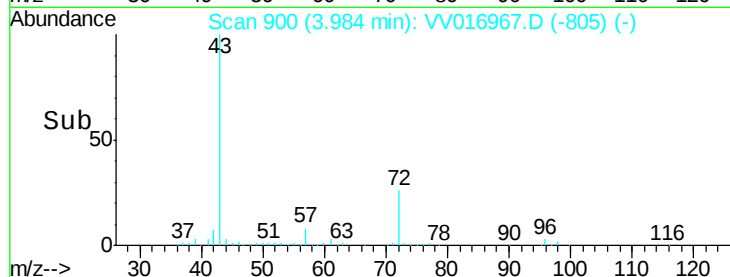
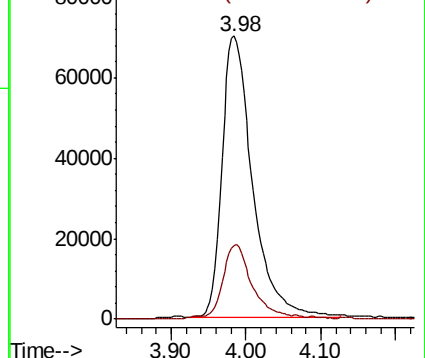
Ion Ratio Lower Upper

43 100

72 23.4 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016967.D (-805) (-)



#23

Bromochloromethane

Concen: 51.426 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

Tgt Ion:128 Resp: 72577

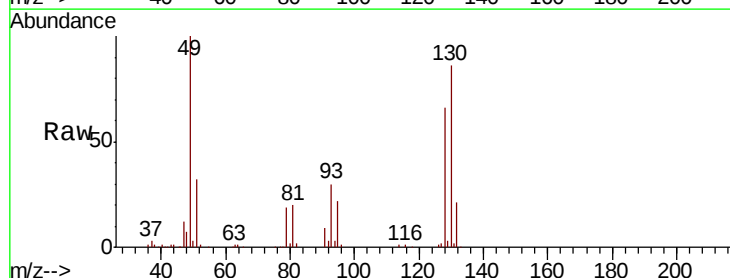
Ion Ratio Lower Upper

128 100

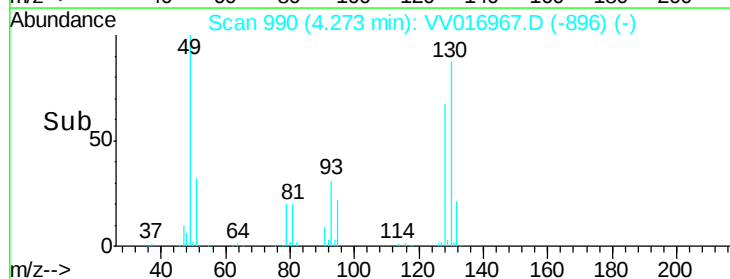
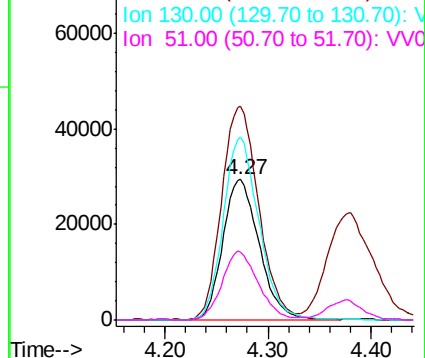
49 152.3 111.9 207.9

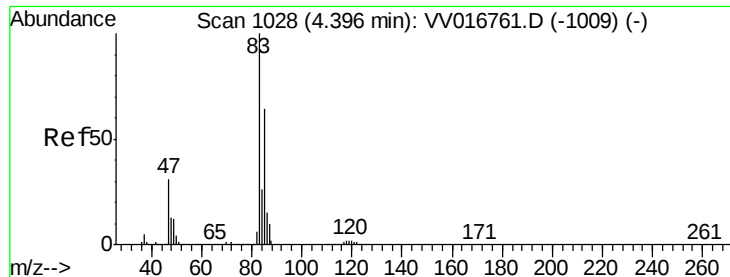
130 130.7 91.5 169.9

51 48.6 42.1 63.1



Abundance Ion 128.00 (127.70 to 128.70): VV016967.D (-896) (-)





#25

Chloroform

Concen: 53.349 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

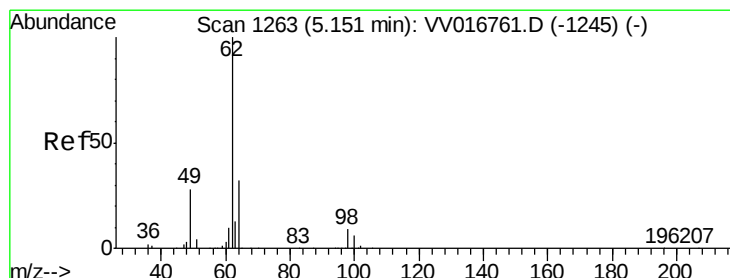
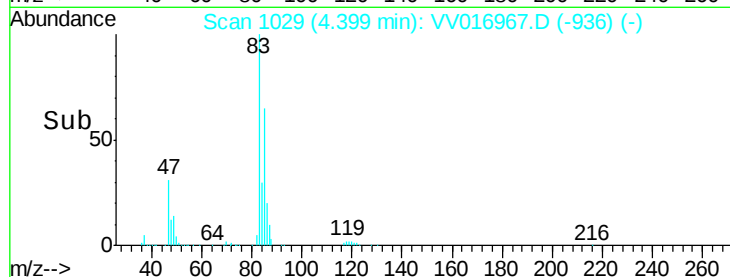
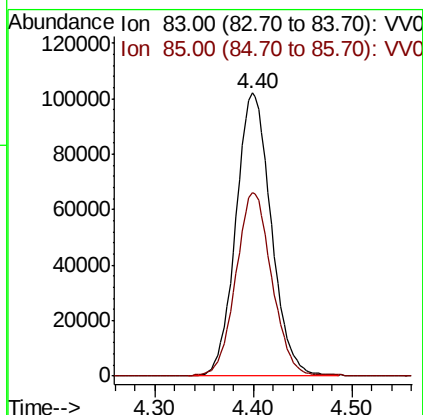
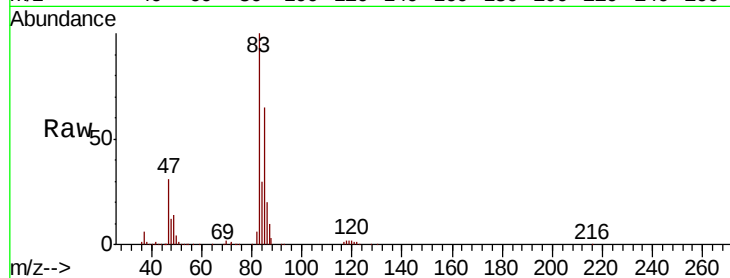
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 253614

Ion Ratio Lower Upper

83 100

85 64.9 44.1 81.9



#27

1,2-Dichloroethane

Concen: 52.109 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV016967.D

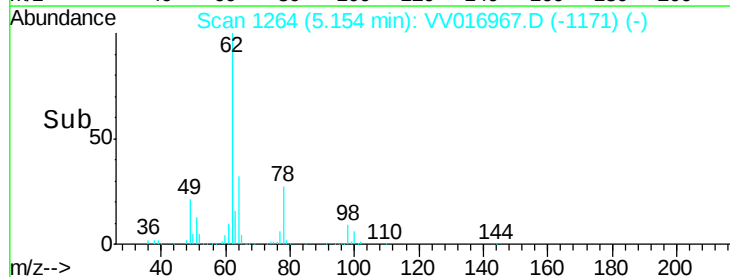
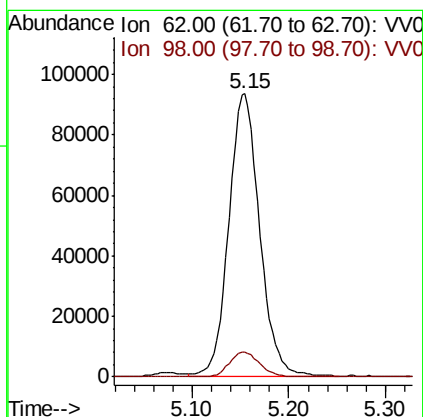
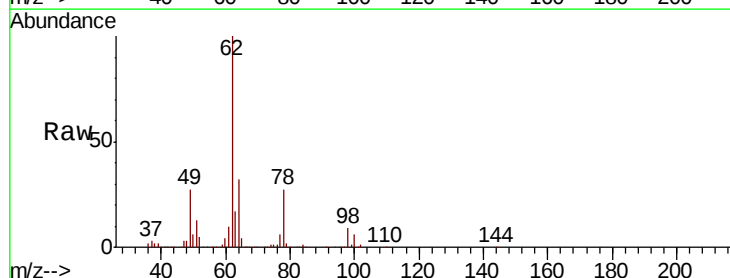
Acq: 18 Jun 2020 09:53

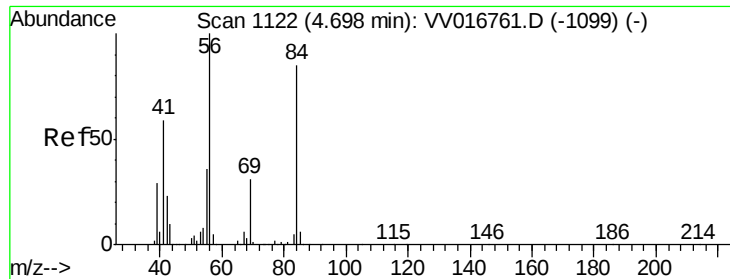
Tgt Ion: 62 Resp: 207658

Ion Ratio Lower Upper

62 100

98 8.8 7.4 11.2

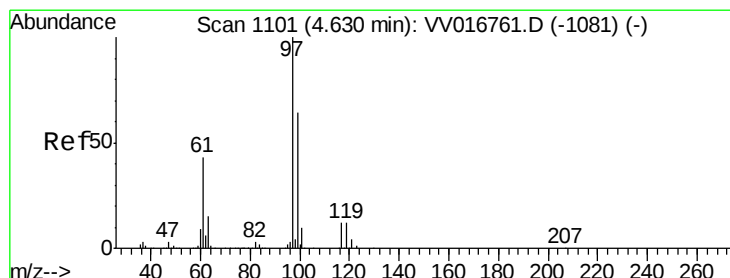
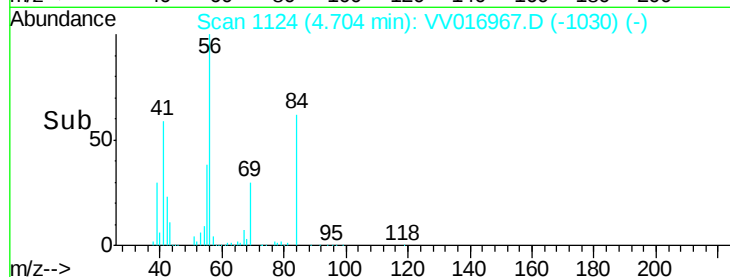
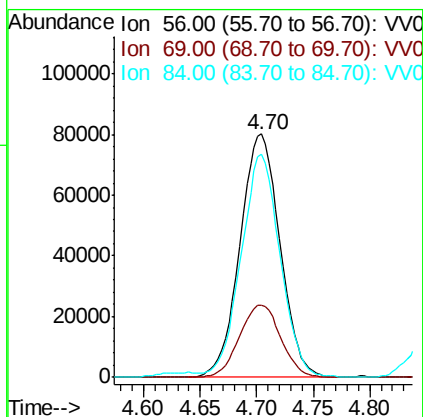
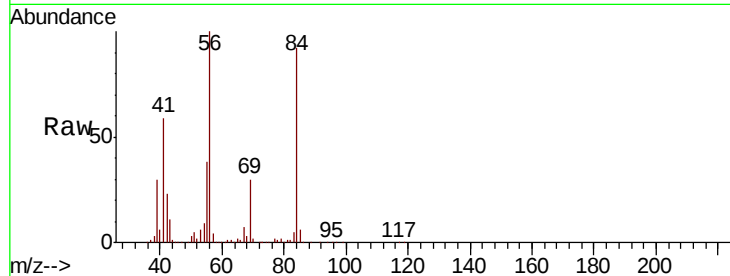




#29
Cyclohexane
Concen: 45.539 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV016967.D
Acq: 18 Jun 2020 09:53

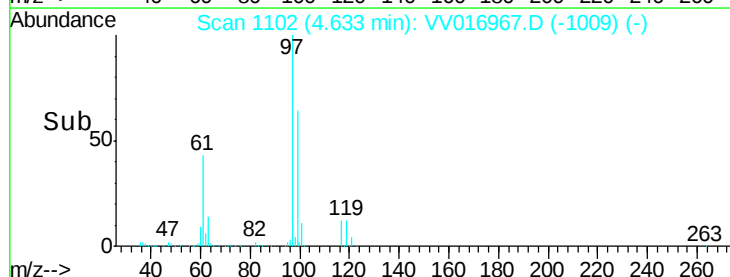
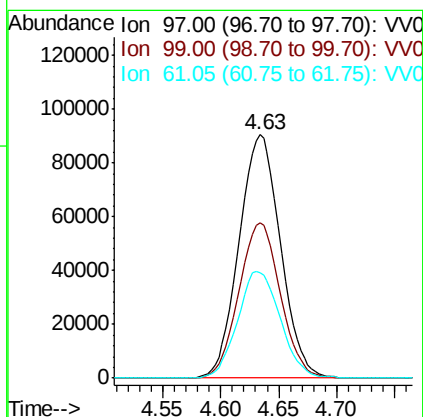
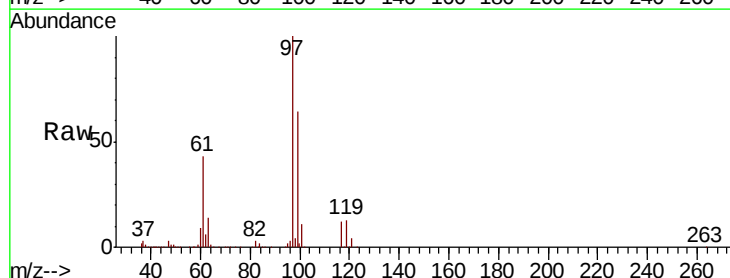
Instrument :
MSVOA_V
ClientSampled :

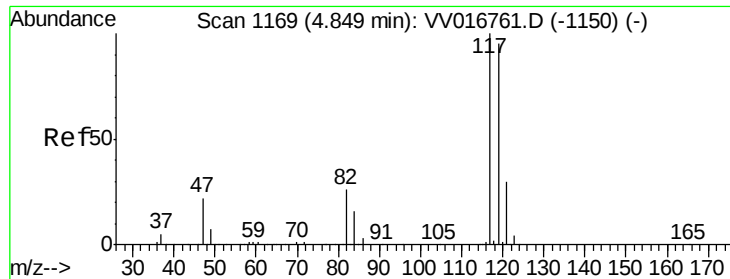
Tot Ion: 56 Resp: 196933
Ion Ratio Lower Upper
56 100
69 30.8 25.0 37.4
84 89.8 69.5 104.3



#30
1,1,1-Trichloroethane
Concen: 50.783 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV016967.D
Acq: 18 Jun 2020 09:53

Tgt Ion: 97 Resp: 225378
Ion Ratio Lower Upper
97 100
99 63.9 51.3 76.9
61 45.0 36.7 55.1



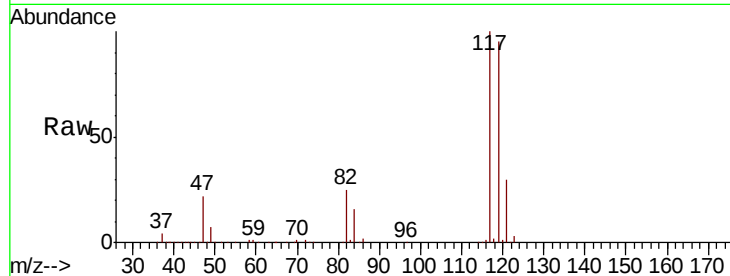


#31

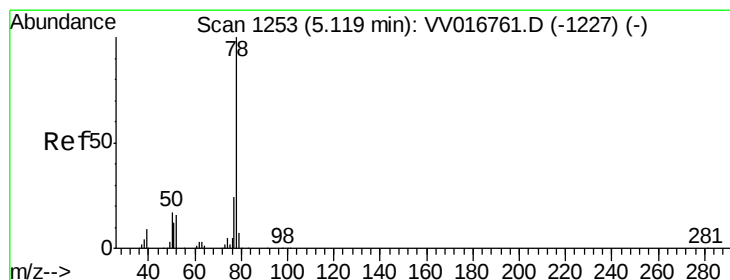
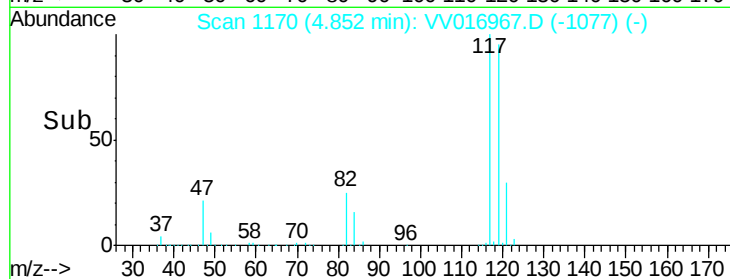
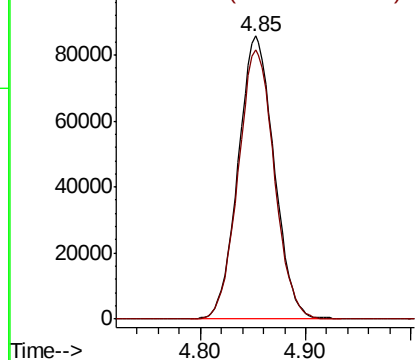
Carbon tetrachloride
 Concen: 52.852 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VV016967.D
 Acq: 18 Jun 2020 09:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:117 Resp: 202921
 Ion Ratio Lower Upper
 117 100
 119 95.4 77.4 116.2



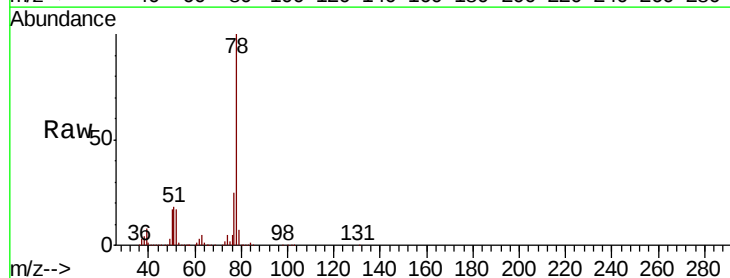
Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V



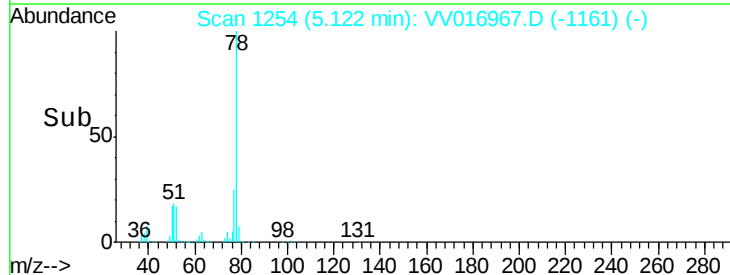
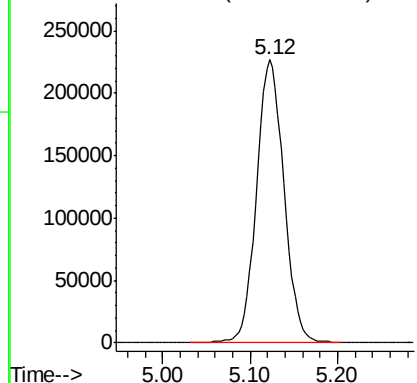
#33

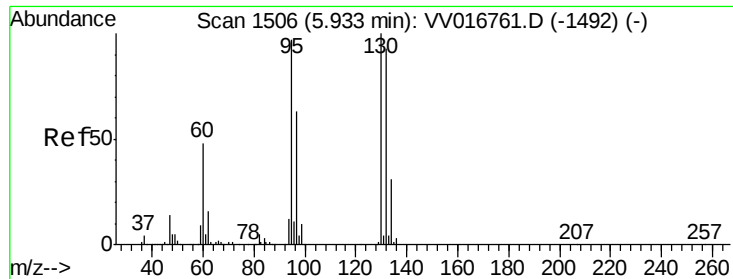
Benzene
 Concen: 47.940 ug/L
 RT: 5.12 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VV016967.D
 Acq: 18 Jun 2020 09:53

Tgt Ion: 78 Resp: 493619



Abundance Ion 78.00 (77.70 to 78.70): VV0

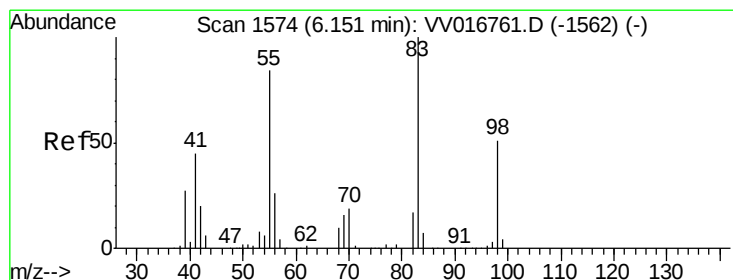
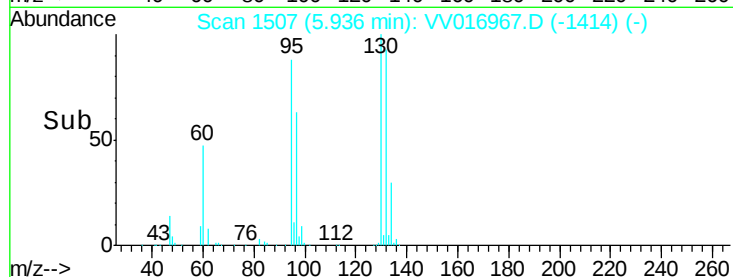
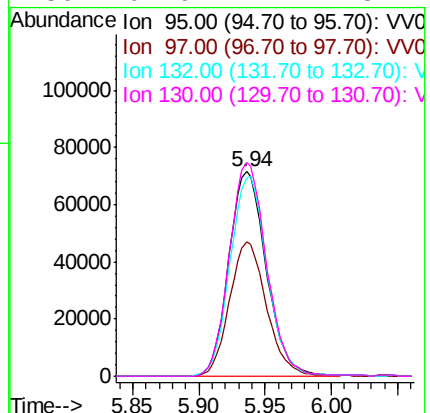
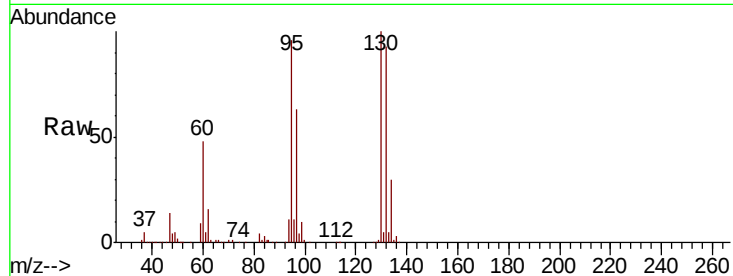




#34
 Trichloroethene
 Concen: 50.883 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016967.D
 Acq: 18 Jun 2020 09:53

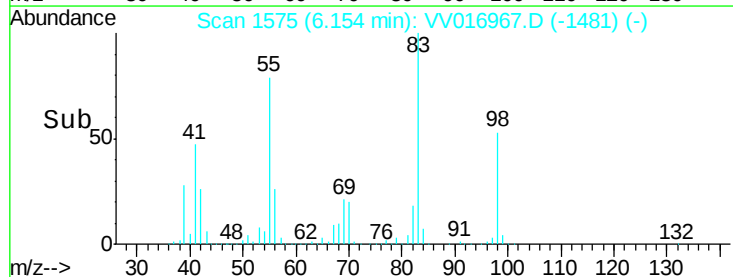
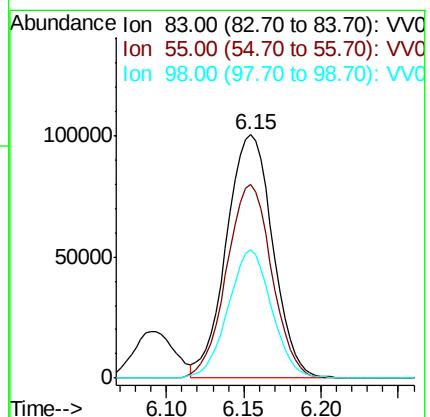
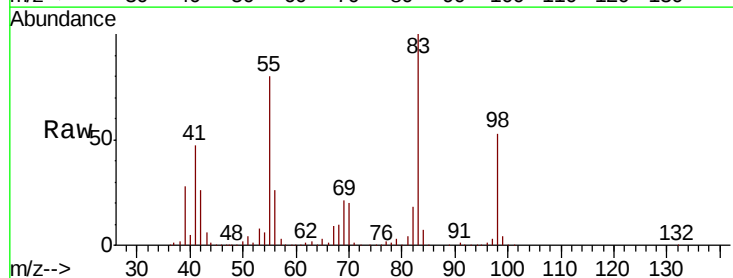
Instrument :
 MSVOA_V
 ClientSampled :

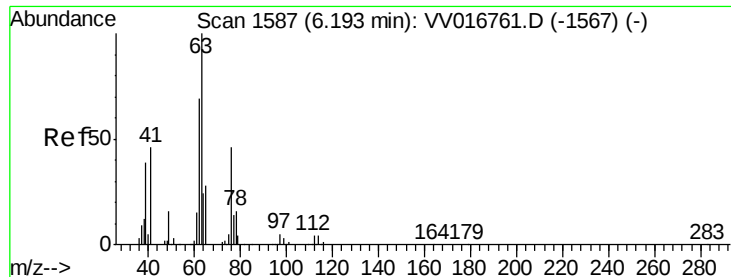
Tot Ion:	95	Resp:	140514
Ion	Ratio	Lower	Upper
95	100		
97	65.7	44.3	82.3
132	97.3	67.9	126.1
130	104.6	72.2	134.2



#35
 Methylcyclohexane
 Concen: 48.148 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016967.D
 Acq: 18 Jun 2020 09:53

Tgt Ion:	83	Resp:	208588
Ion	Ratio	Lower	Upper
83	100		
55	77.5	64.2	96.2
98	49.8	40.3	60.5





#37

1,2-Dichloropropane

Concen: 47.523 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

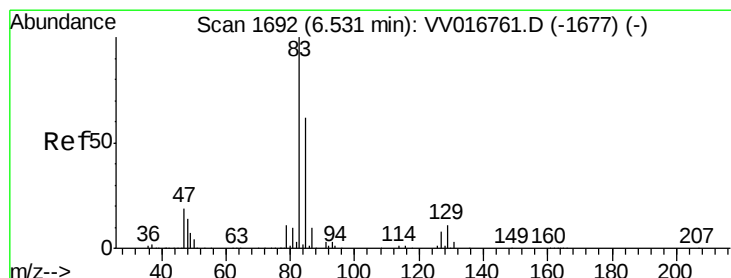
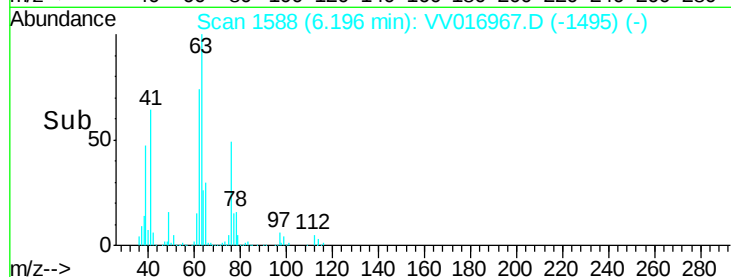
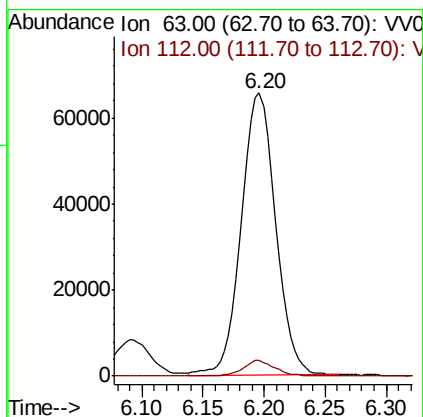
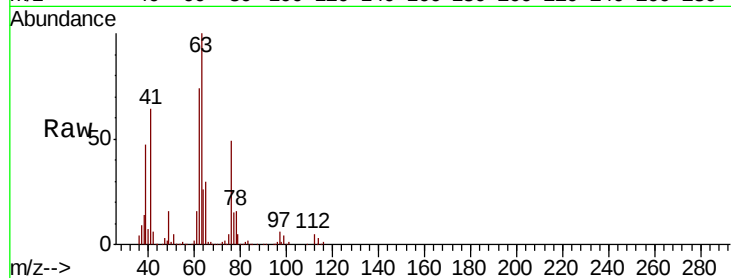
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 127253

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.6



#38

Bromodichloromethane

Concen: 51.601 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

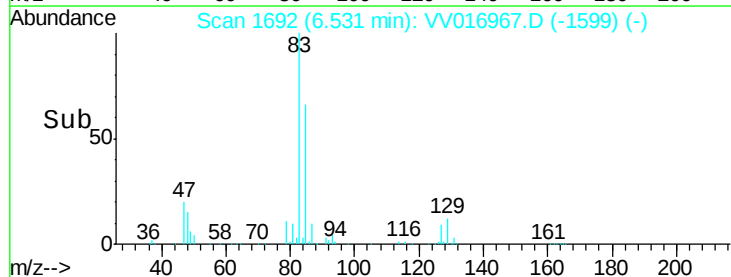
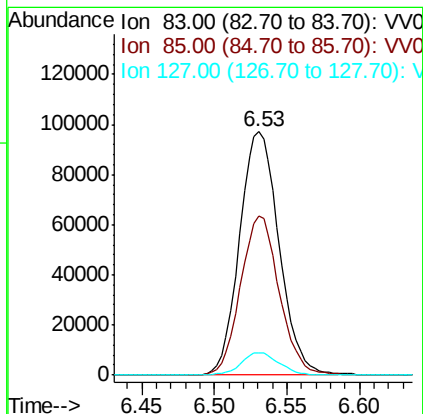
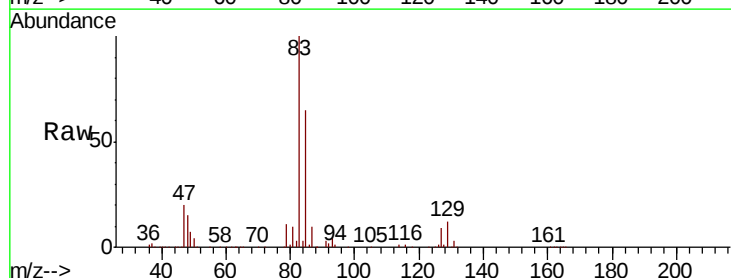
Tgt Ion: 83 Resp: 183933

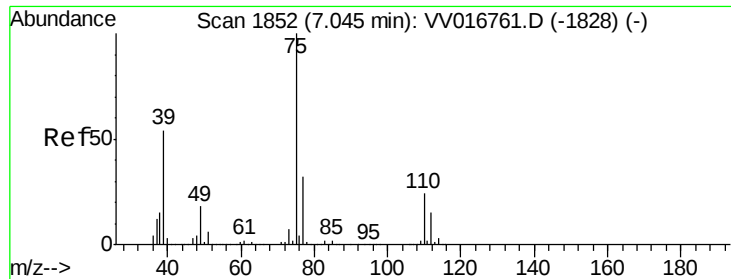
Ion Ratio Lower Upper

83 100

85 65.5 44.4 82.5

127 9.2 7.4 11.0

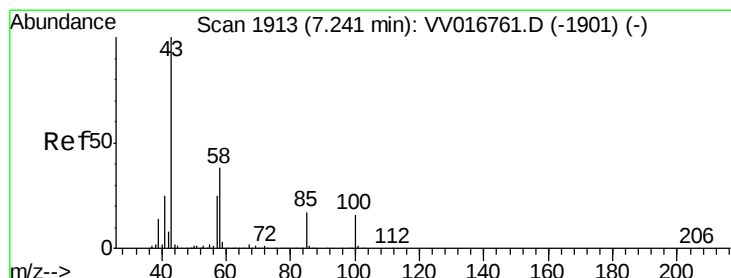
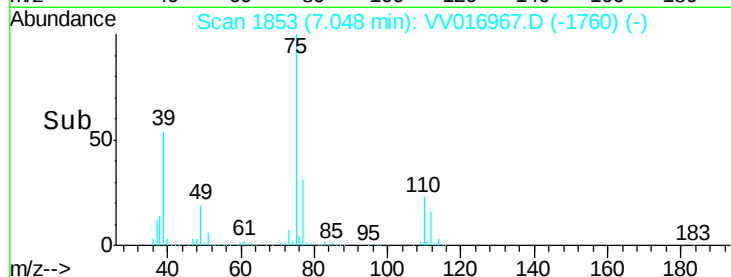
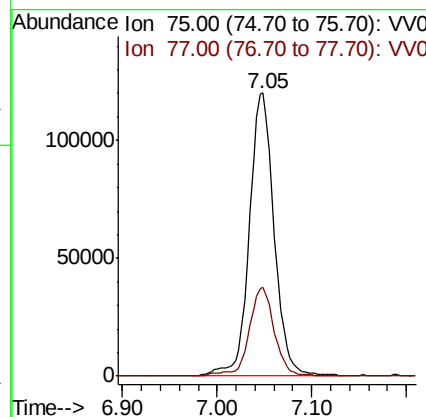
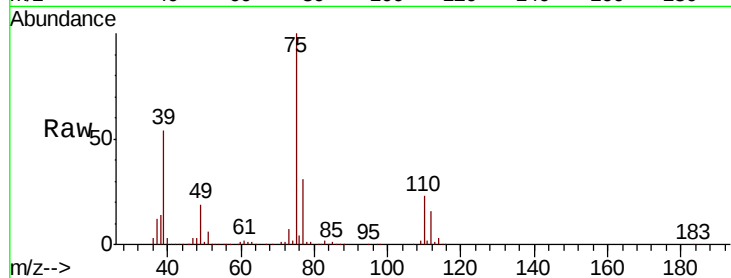




#39
 cis-1,3-Dichloropropene
 Concen: 52.697 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016967.D
 Acq: 18 Jun 2020 09:53

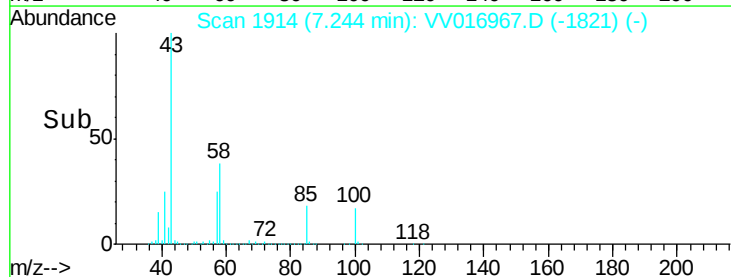
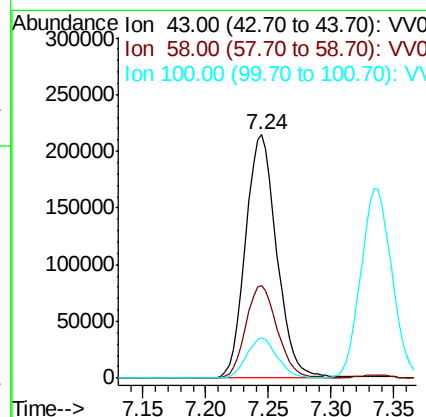
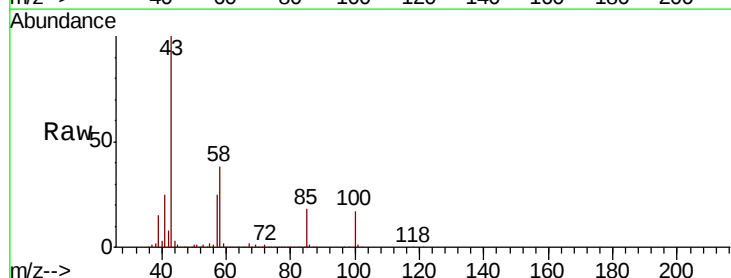
Instrument :
 MSVOA_V
 ClientSampled :

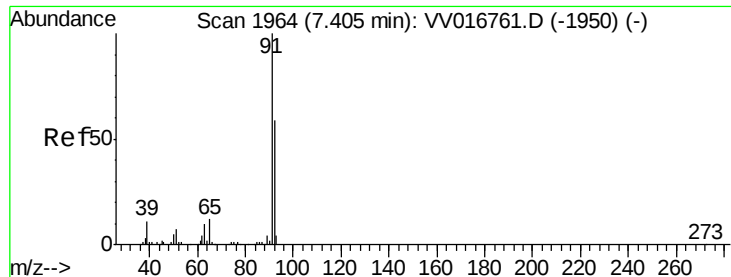
Tot Ion: 75 Resp: 219187
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 98.299 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV016967.D
 Acq: 18 Jun 2020 09:53

Tgt Ion: 43 Resp: 372981
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.2 45.4
 100 16.2 12.3 18.5





#42

Toluene

Concen: 50.000 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

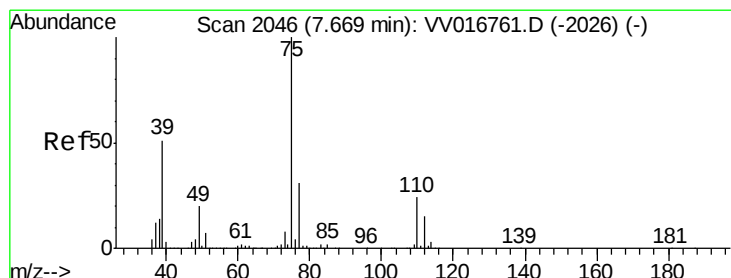
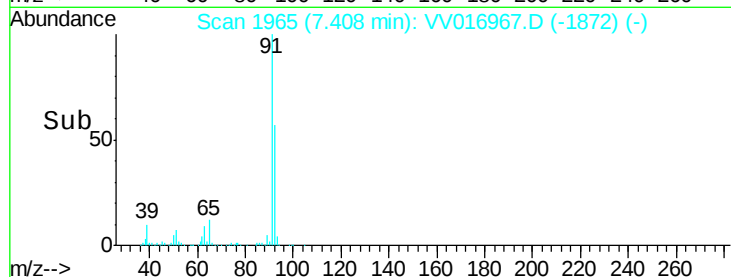
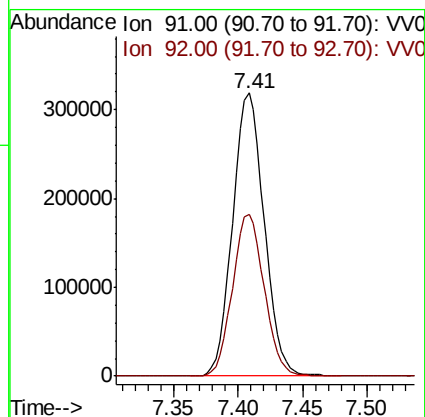
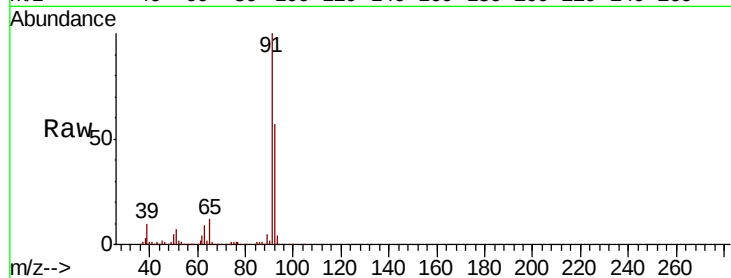
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 542727

Ion Ratio Lower Upper

91 100

92 57.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 53.880 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV016967.D

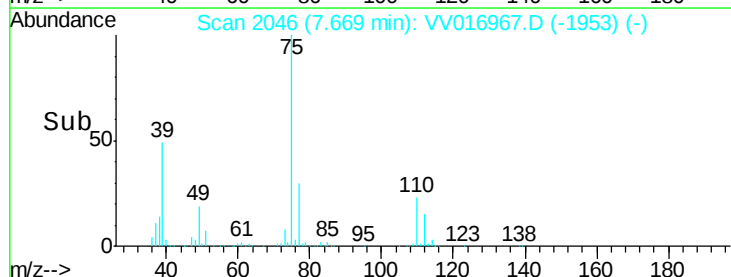
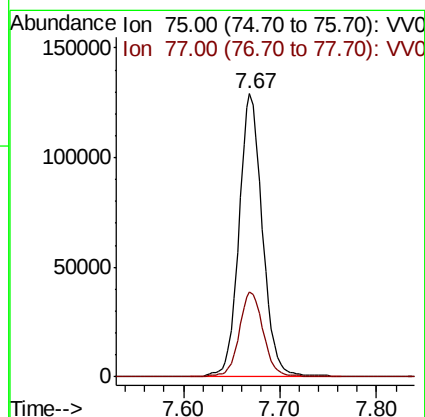
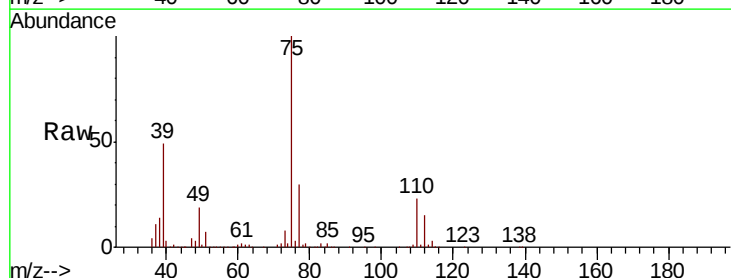
Acq: 18 Jun 2020 09:53

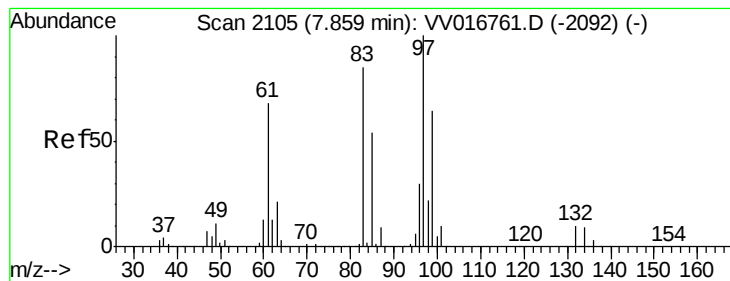
Tgt Ion: 75 Resp: 217877

Ion Ratio Lower Upper

75 100

77 29.8 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 49.975 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 129105

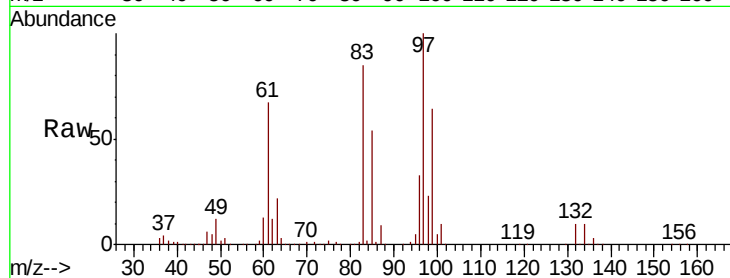
Ion Ratio Lower Upper

97 100

99 64.4 44.3 82.3

83 85.0 60.0 111.4

85 54.5 39.5 73.3



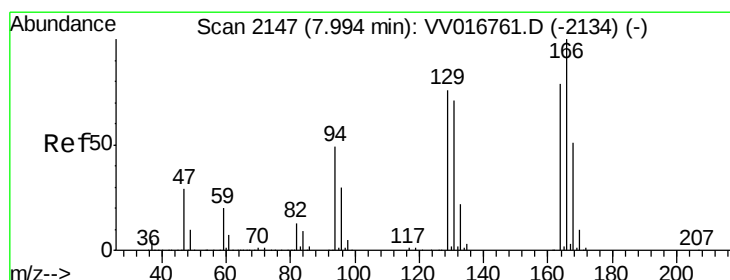
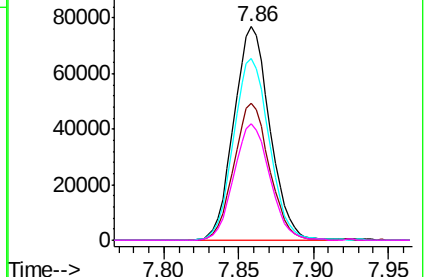
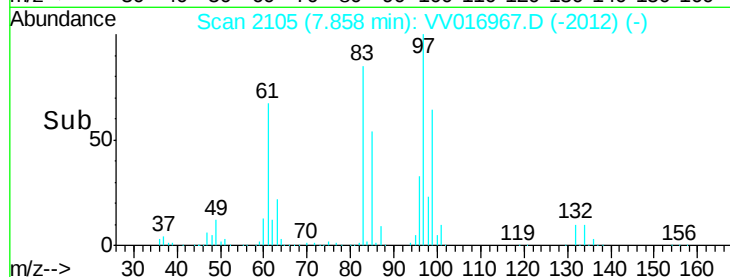
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Time-->



#46

Tetrachloroethene

Concen: 51.265 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

Tgt Ion:164 Resp: 111339

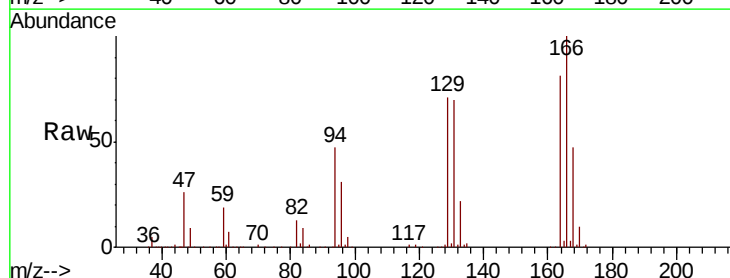
Ion Ratio Lower Upper

164 100

129 87.9 67.0 124.4

131 87.3 64.8 120.3

166 123.9 90.4 167.8



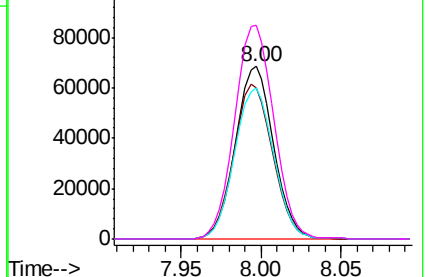
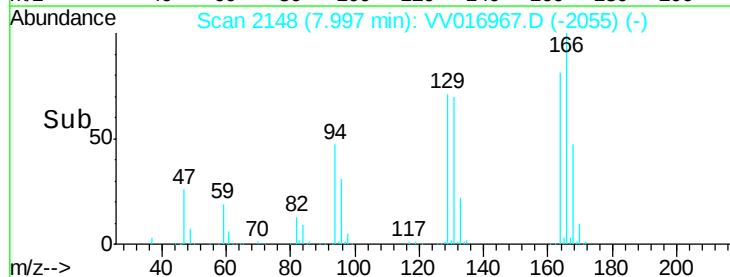
Abundance Ion 164.00 (163.70 to 164.70): V

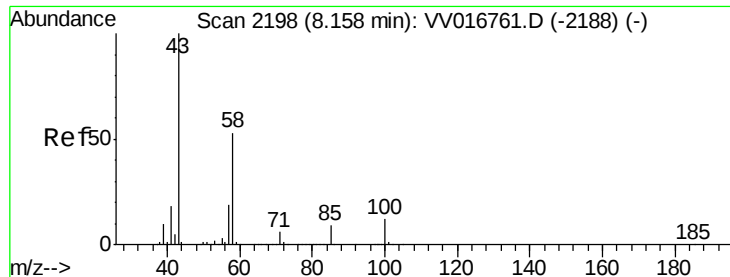
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->

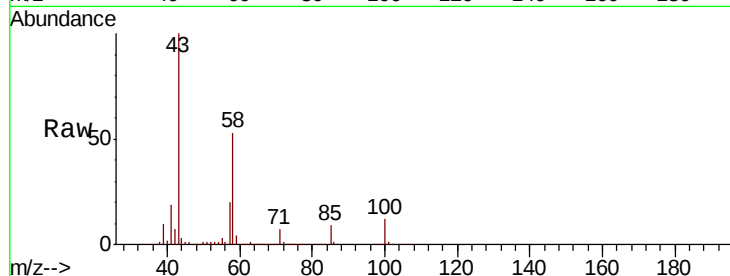




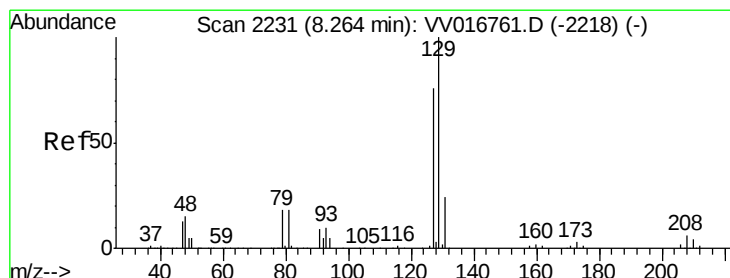
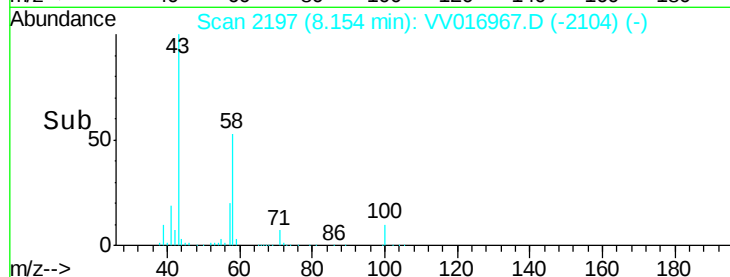
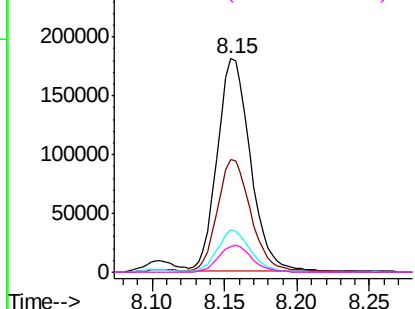
#48
2-Hexanone
Concen: 97.211 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV016967.D
Acq: 18 Jun 2020 09:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 285994
Ion Ratio Lower Upper
43 100
58 54.2 43.1 64.7
57 19.5 15.3 22.9
100 12.9 10.0 15.0

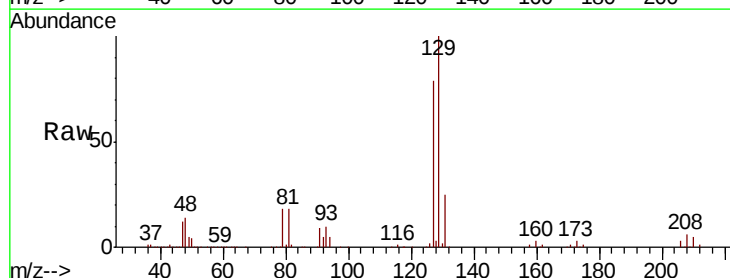


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

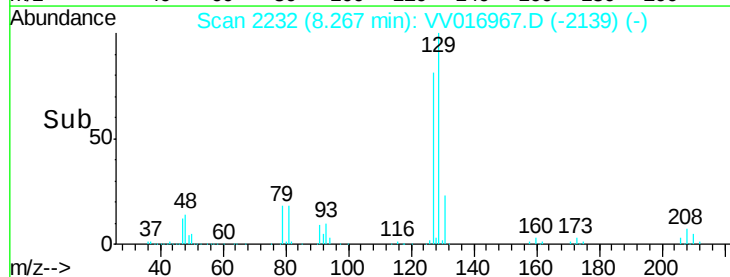
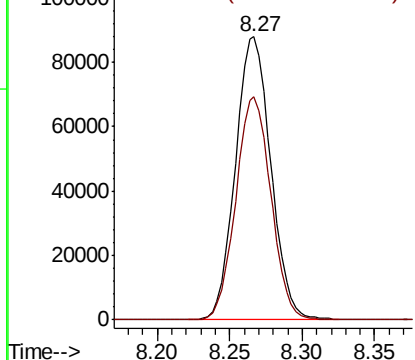


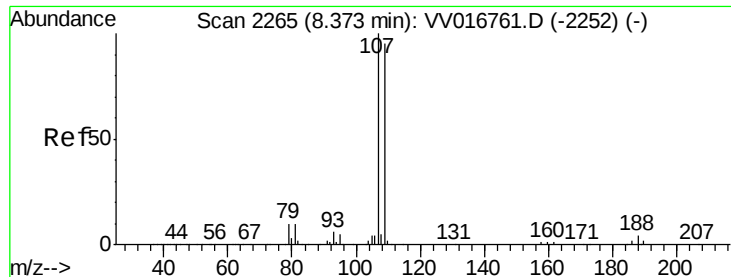
#49
Dibromochloromethane
Concen: 54.136 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016967.D
Acq: 18 Jun 2020 09:53

Tgt Ion: 129 Resp: 149533
Ion Ratio Lower Upper
129 100
127 78.7 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

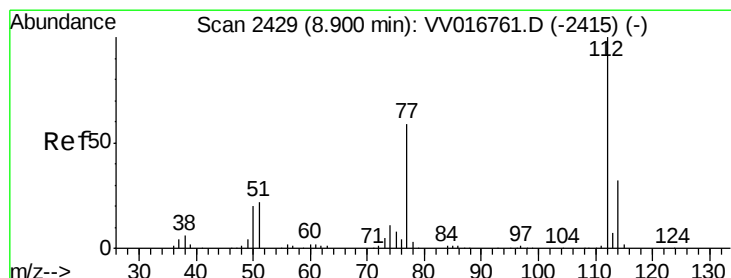
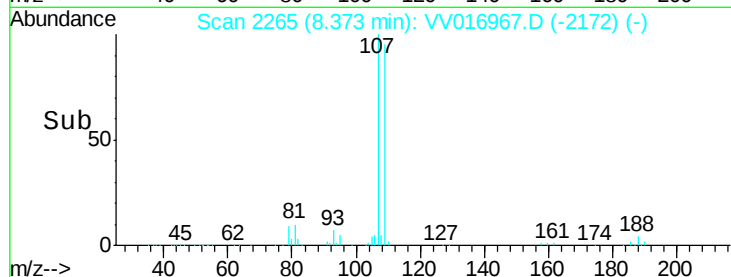
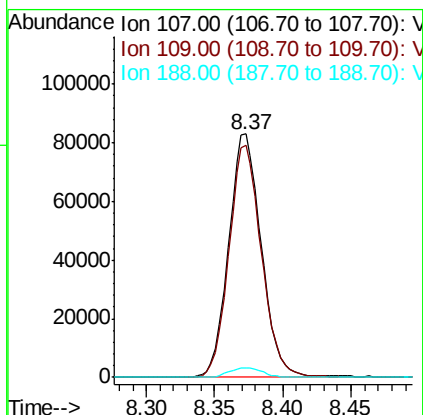
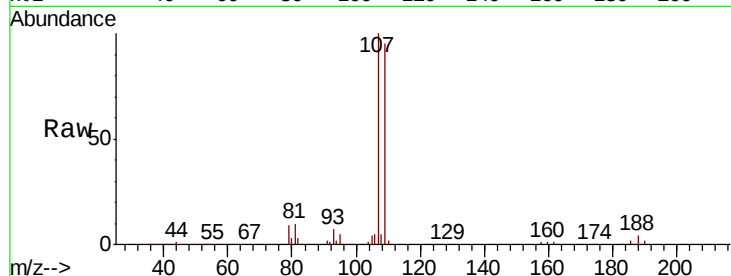




#50
1,2-Dibromoethane
Concen: 50.941 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV016967.D
Acq: 18 Jun 2020 09:53

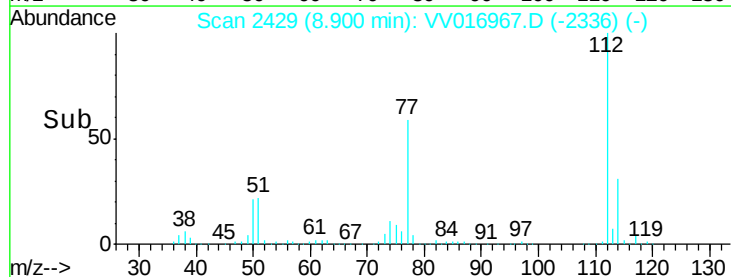
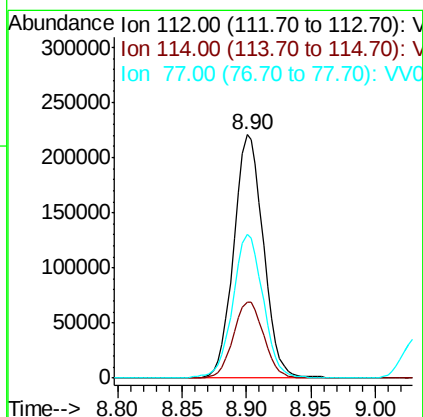
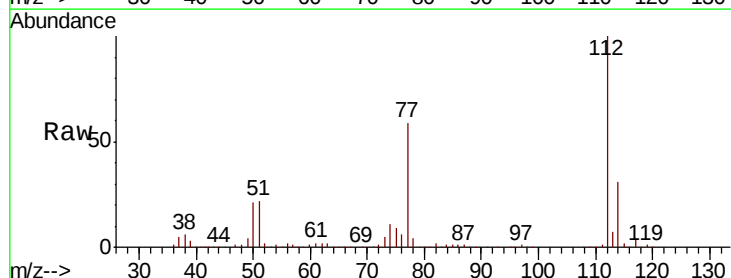
Instrument :
MSVOA_V
ClientSampled :

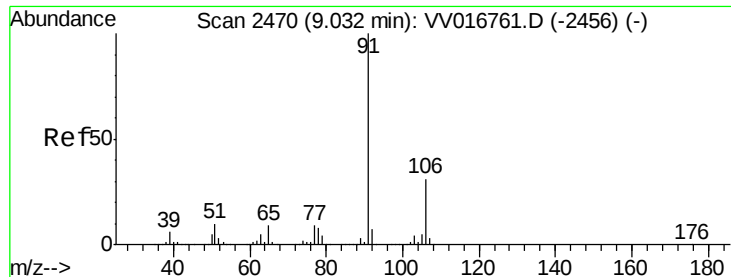
Tot Ion:107 Resp: 137810
Ion Ratio Lower Upper
107 100
109 95.4 66.4 123.2
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 49.981 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV016967.D
Acq: 18 Jun 2020 09:53

Tgt Ion:112 Resp: 353949
Ion Ratio Lower Upper
112 100
114 31.3 22.3 41.3
77 59.2 47.9 71.9





#52

Ethylbenzene

Concen: 50.946 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

Instrument :

MSVOA_V

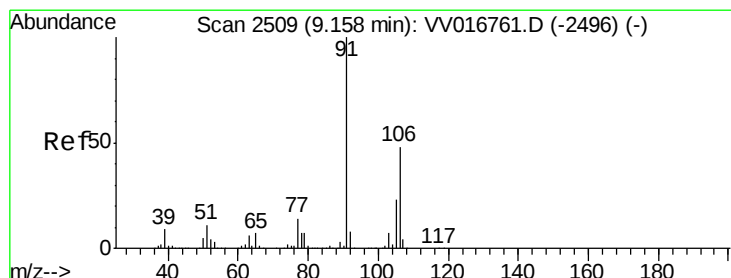
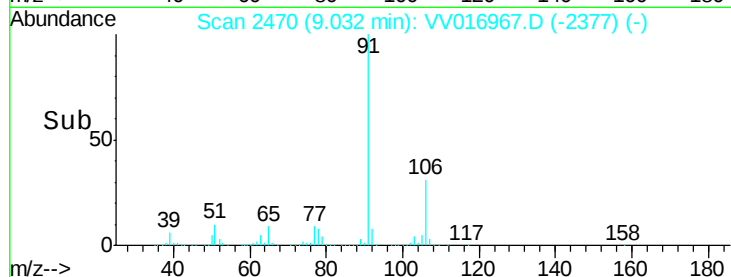
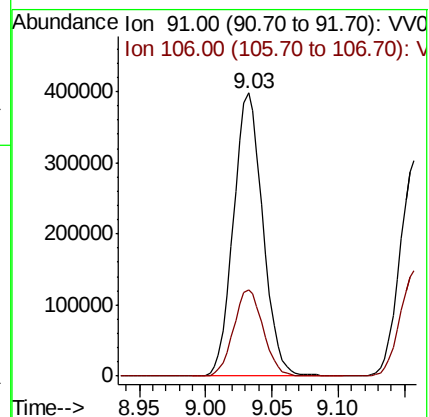
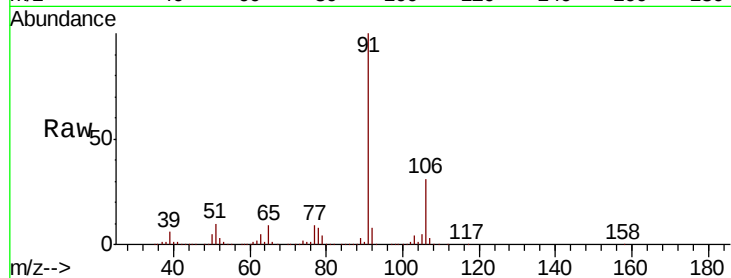
ClientSampleId :

Tot Ion: 91 Resp: 612512

Ion Ratio Lower Upper

91 100

106 30.7 21.1 39.1



#53

m,p-Xylene

Concen: 52.626 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016967.D

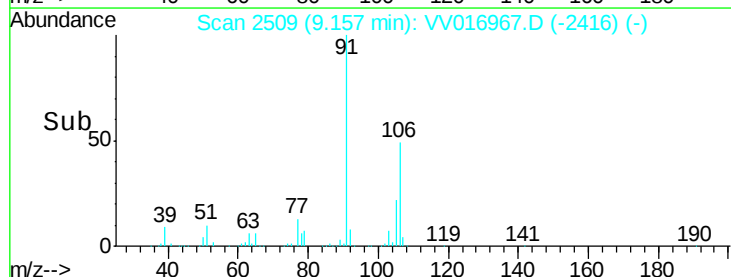
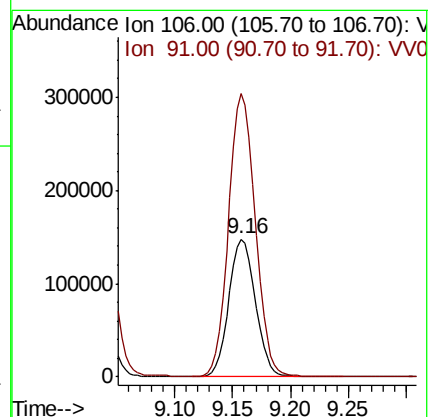
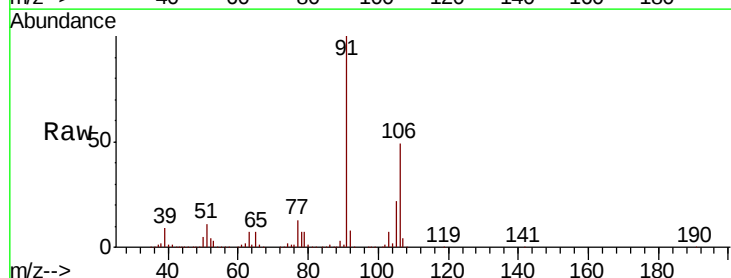
Acq: 18 Jun 2020 09:53

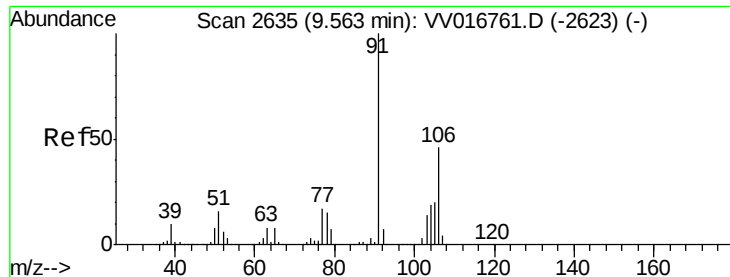
Tgt Ion: 106 Resp: 235576

Ion Ratio Lower Upper

106 100

91 205.1 144.6 268.6





#54

o-xylene

Concen: 50.758 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

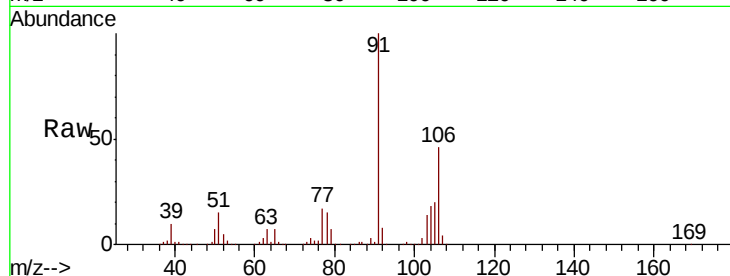
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 224092

Ion Ratio Lower Upper

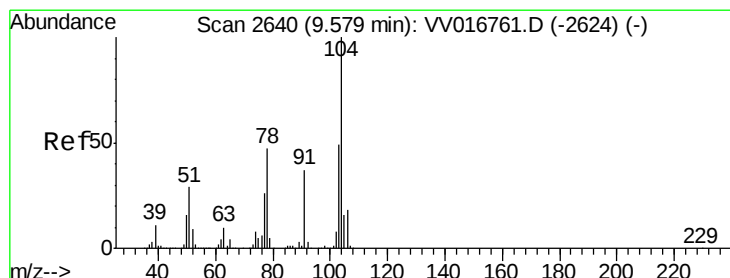
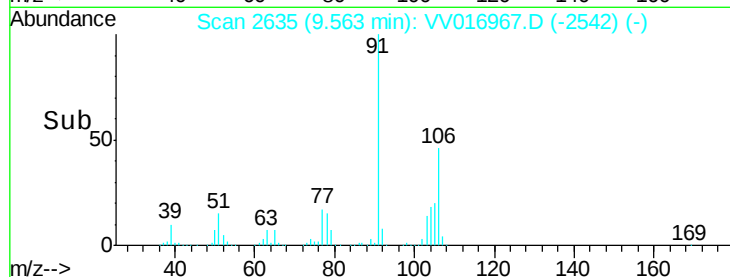
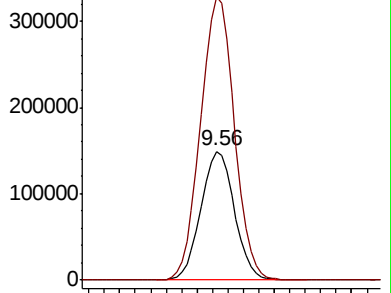
106 100

91 219.3 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.990 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV016967.D

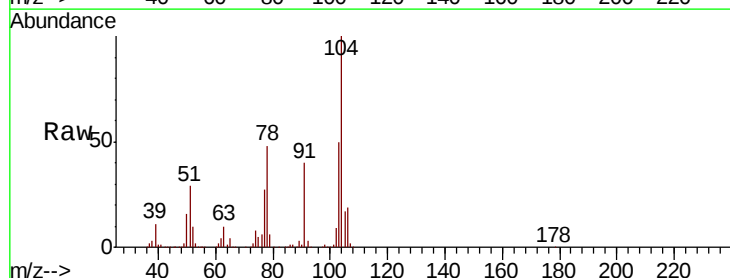
Acq: 18 Jun 2020 09:53

Tgt Ion:104 Resp: 395535

Ion Ratio Lower Upper

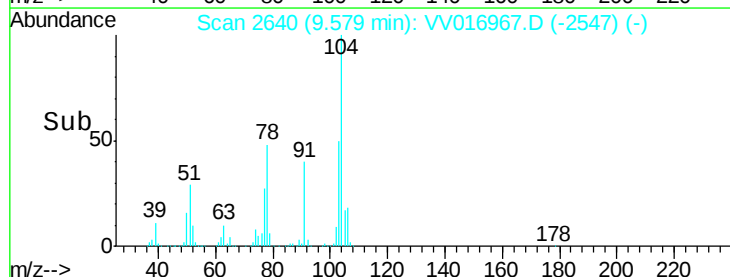
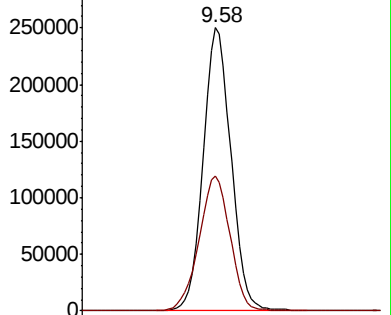
104 100

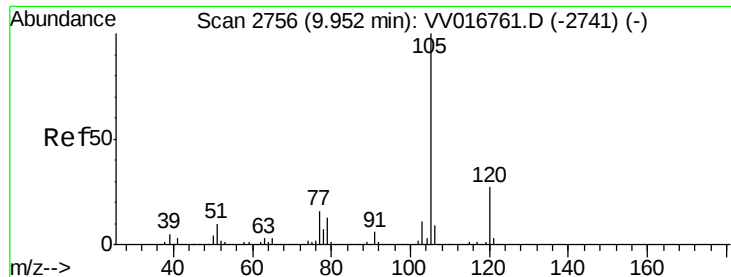
78 47.7 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.261 ug/L

RT: 9.95 min Scan# 2756

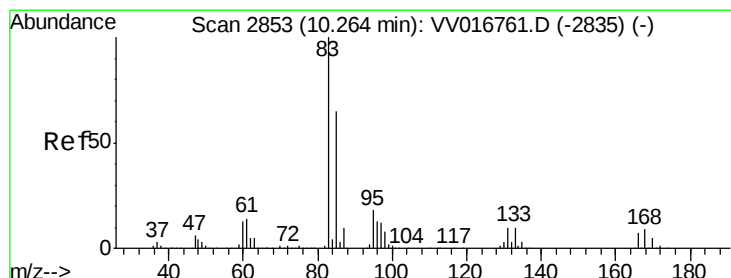
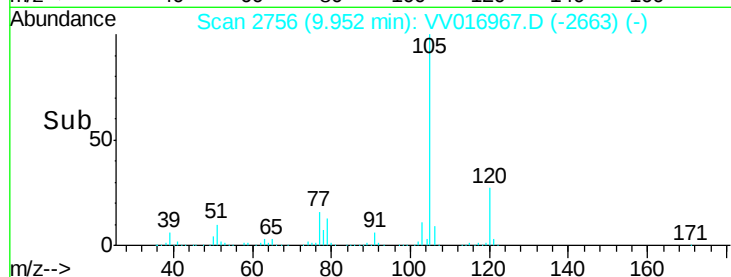
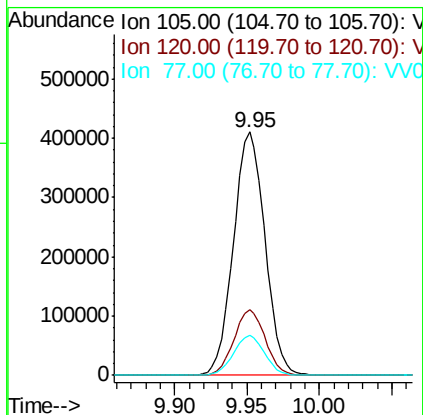
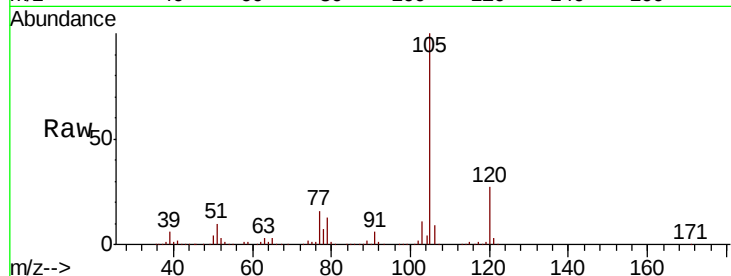
Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	105	Resp:	619957
Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.2	31.8
77	16.1	13.0	19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 48.158 ug/L

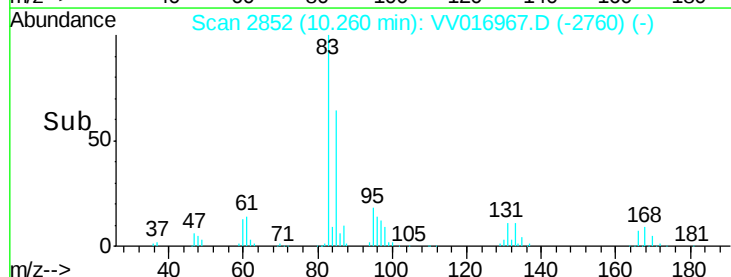
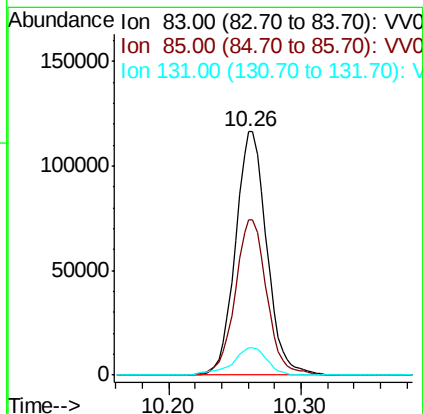
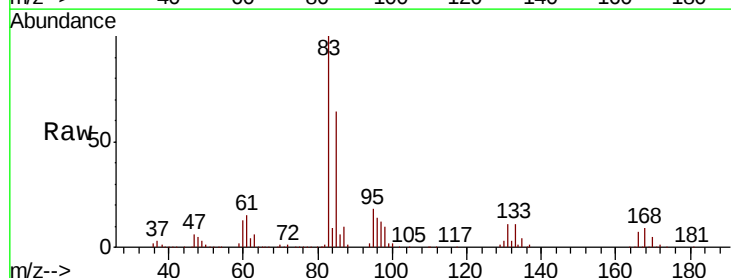
RT: 10.26 min Scan# 2852

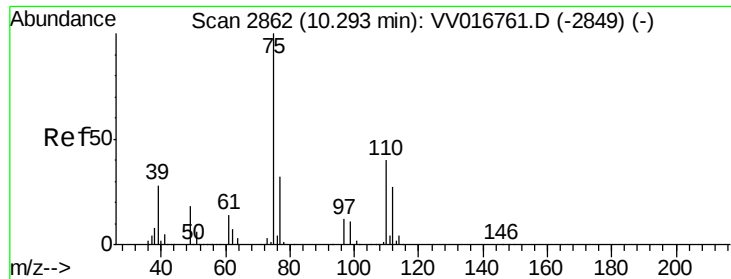
Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

Tgt Ion:	83	Resp:	190747
Ion	Ratio	Lower	Upper
83	100		
85	63.9	46.8	86.8
131	11.4	7.9	11.9





#59

1,2,3-Trichloropropane

Concen: 50.167 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

Instrument :

MSVOA_V

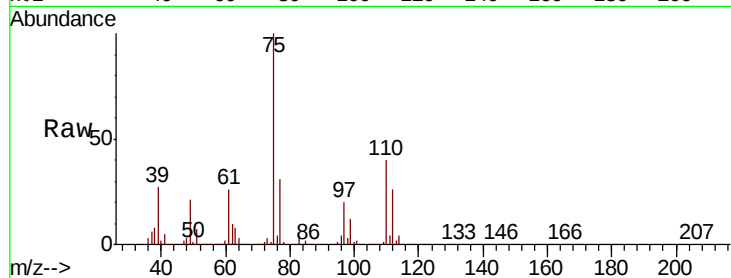
ClientSampleId :

Tot Ion: 75 Resp: 166671

Ion Ratio Lower Upper

75 100

77 31.9 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV016761.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV016761.D (-2849) (-)

10.30

120000

100000

80000

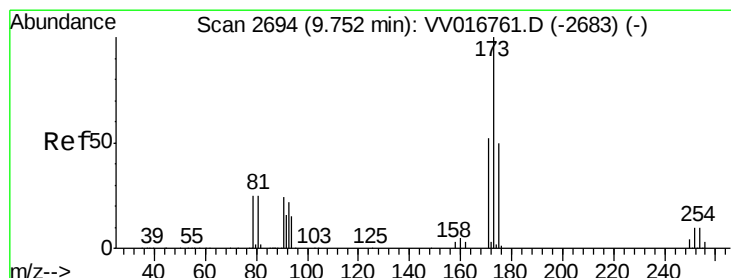
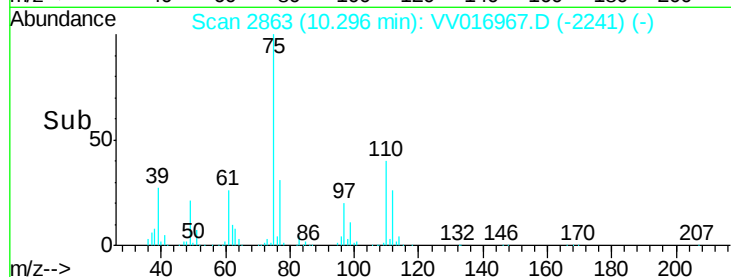
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 54.767 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

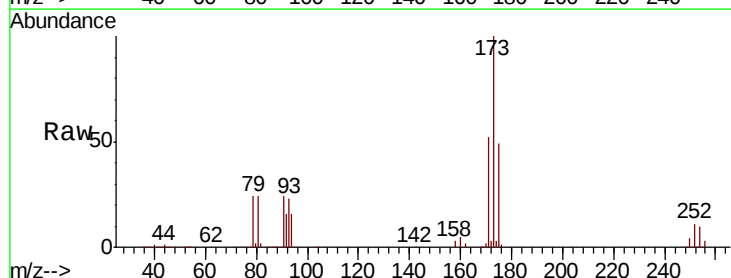
Tgt Ion: 173 Resp: 106348

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.4

254 9.8 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): VV016761.D (-2683) (-)

Ion 175.00 (174.70 to 175.70): VV016761.D (-2683) (-)

Ion 254.00 (253.70 to 254.70): VV016761.D (-2683) (-)

9.75

80000

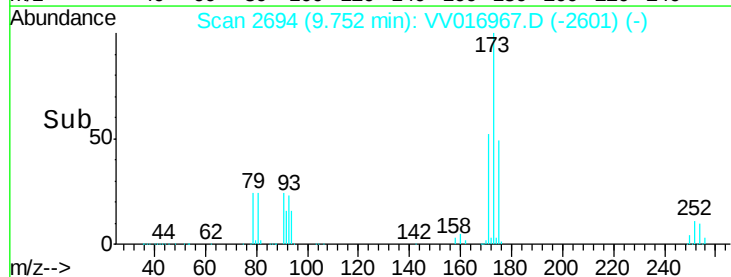
60000

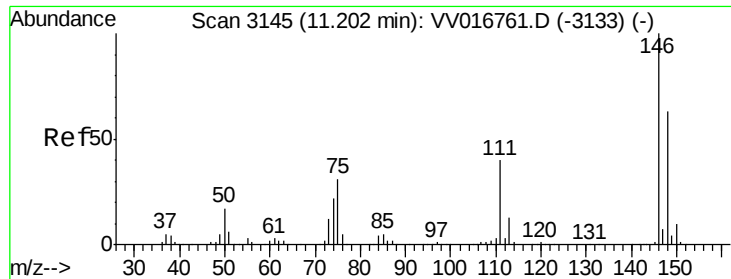
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 50.997 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

Instrument :

MSVOA_V

ClientSampled :

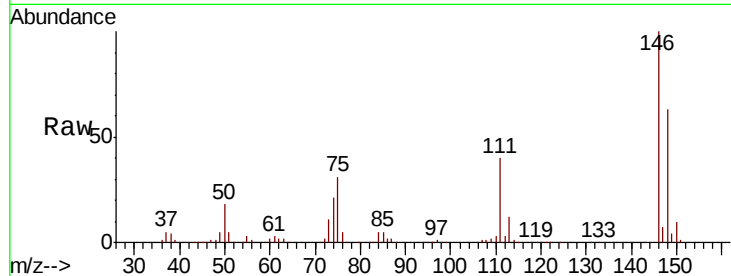
Tot Ion:146 Resp: 304936

Ion Ratio Lower Upper

146 100

111 40.3 28.3 52.7

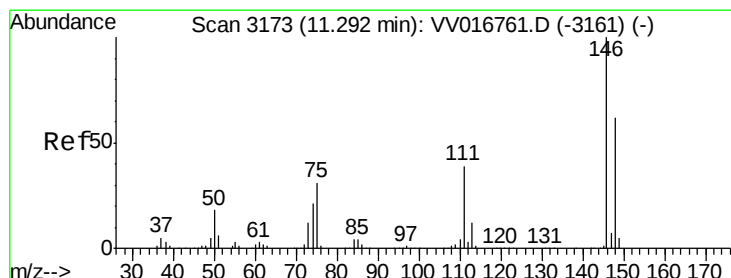
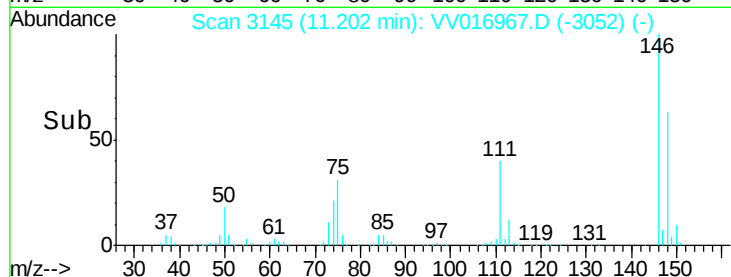
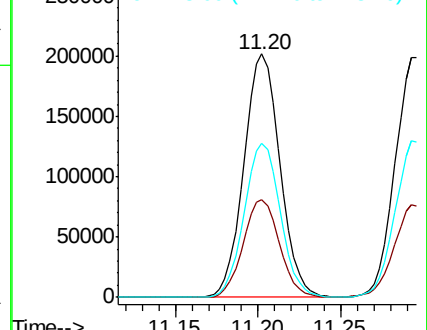
148 63.5 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 50.484 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

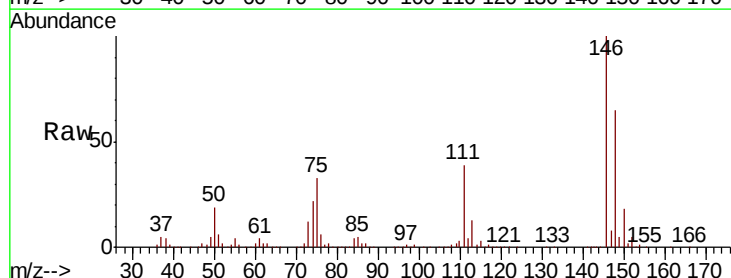
Tgt Ion:146 Resp: 307139

Ion Ratio Lower Upper

146 100

111 38.7 26.7 49.7

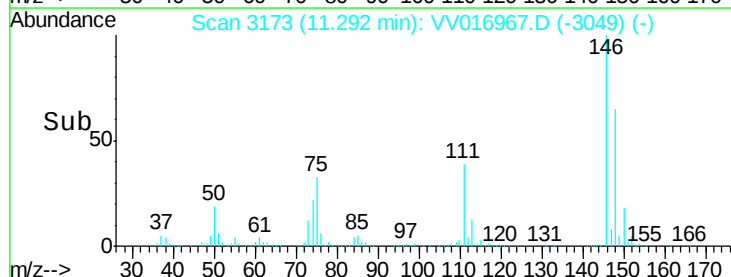
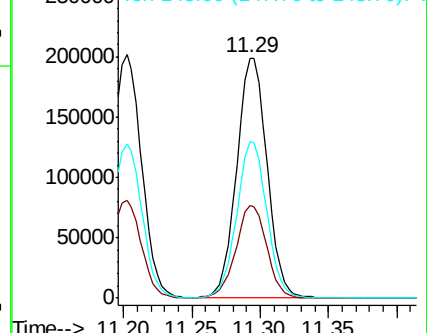
148 65.1 43.5 80.9

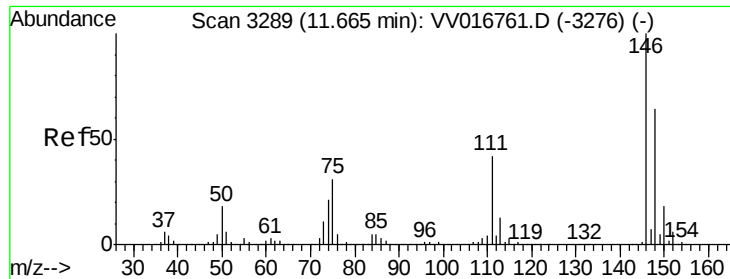


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.458 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

Instrument :

MSVOA_V

ClientSampleId :

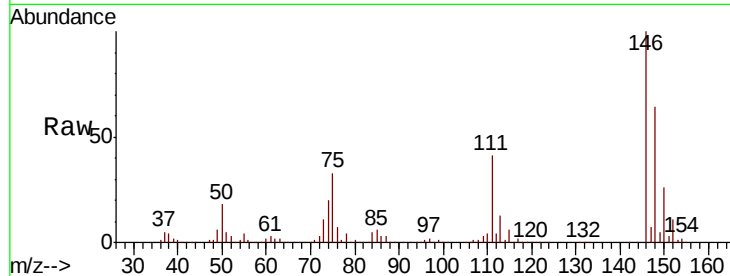
Tot Ion:146 Resp: 302358

Ion Ratio Lower Upper

146 100

111 41.3 33.7 50.5

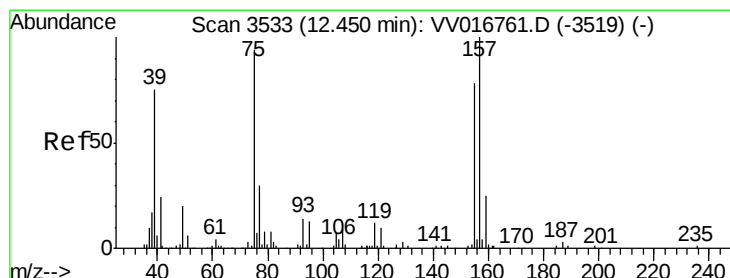
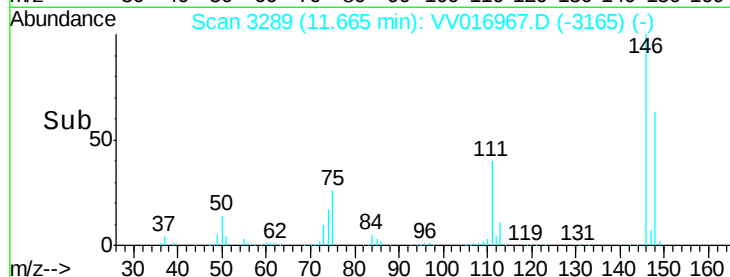
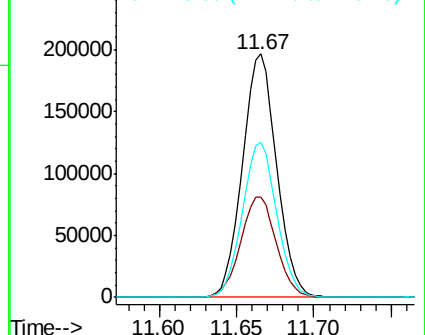
148 63.6 50.7 76.1



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: 46.399 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

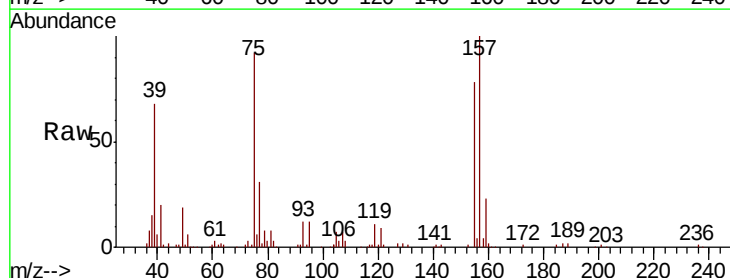
Tgt Ion: 75 Resp: 43719

Ion Ratio Lower Upper

75 100

155 84.9 69.8 104.6

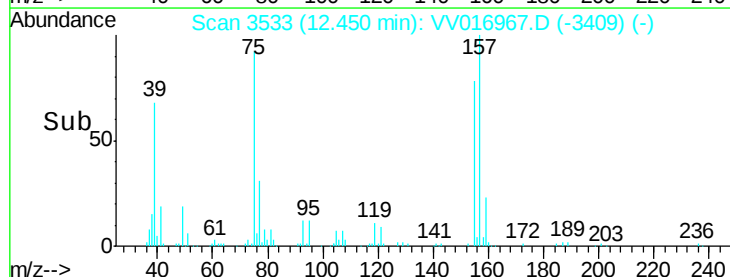
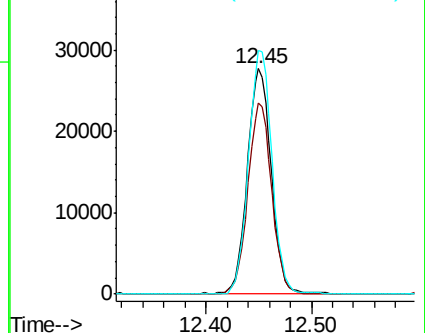
157 108.2 83.4 125.2

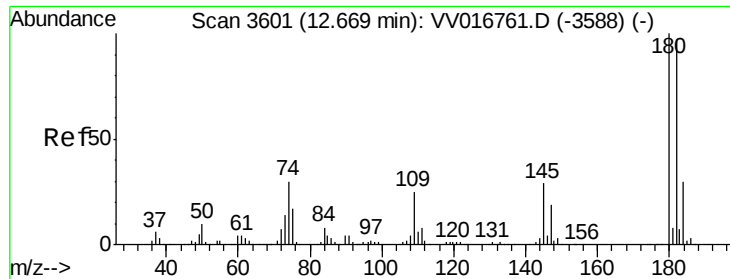


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

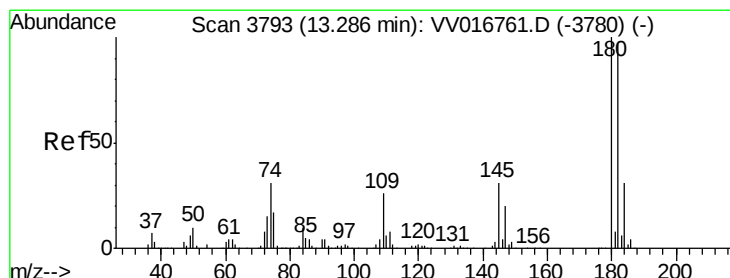
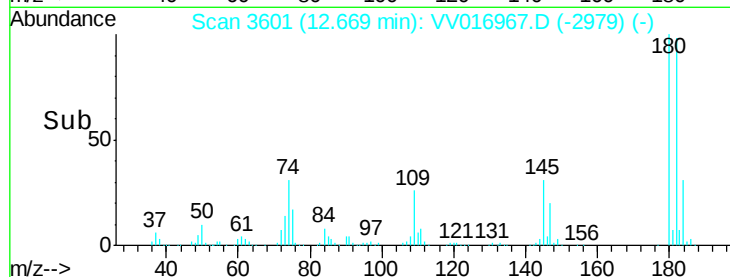
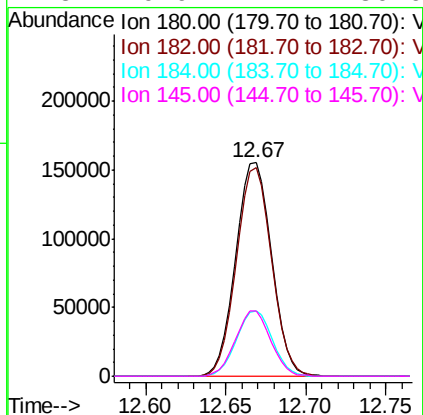
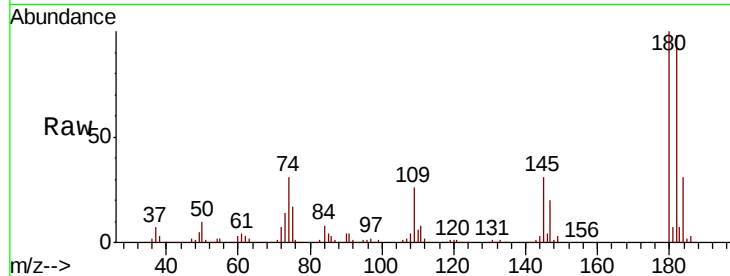




#67
 1,3,5-Trichlorobenzene
 Concen: 53.306 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016967.D
 Acq: 18 Jun 2020 09:53

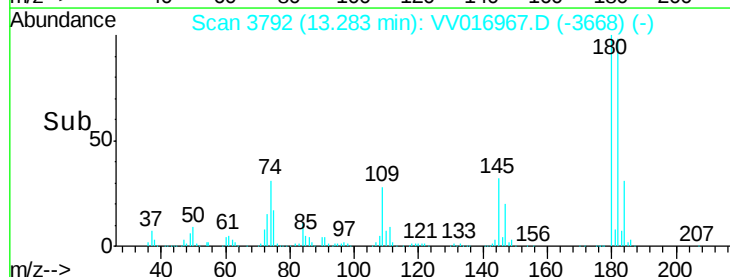
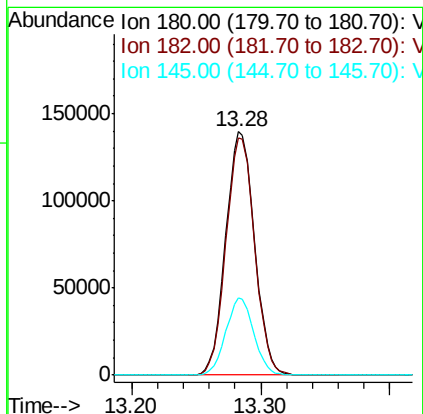
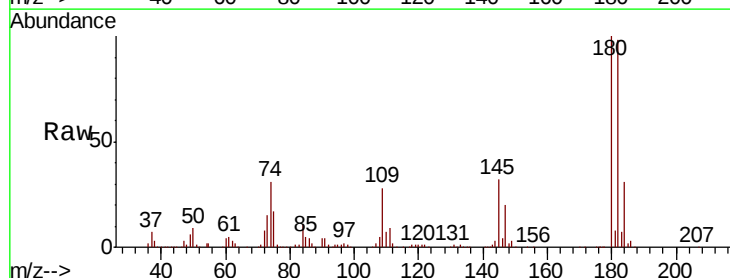
Instrument :
 MSVOA_V
 ClientSampleId :

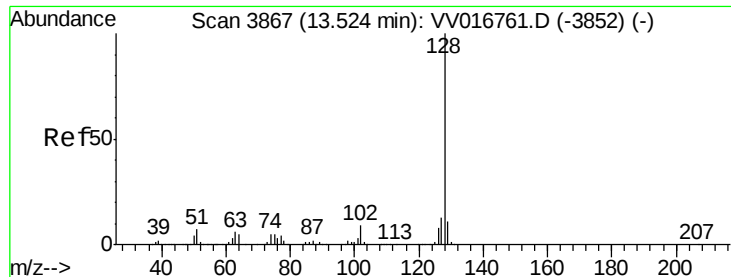
Tot Ion:180	Resp:	237682
Ion Ratio	Lower	Upper
180	100	
182	95.4	75.0 112.6
184	30.5	24.5 36.7
145	29.9	24.4 36.6



#68
 1,2,4-trichlorobenzene
 Concen: 52.813 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016967.D
 Acq: 18 Jun 2020 09:53

Tgt Ion:180	Resp:	215994
Ion Ratio	Lower	Upper
180	100	
182	96.7	76.9 115.3
145	30.9	25.2 37.8





#69

Naphthalene

Concen: 51.728 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

Instrument :

MSVOA_V

ClientSampled :

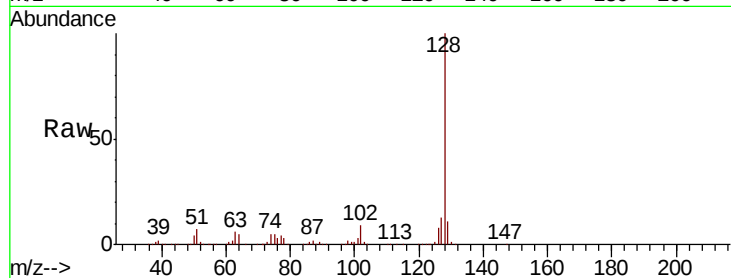
Tot Ion:128 Resp: 608549

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

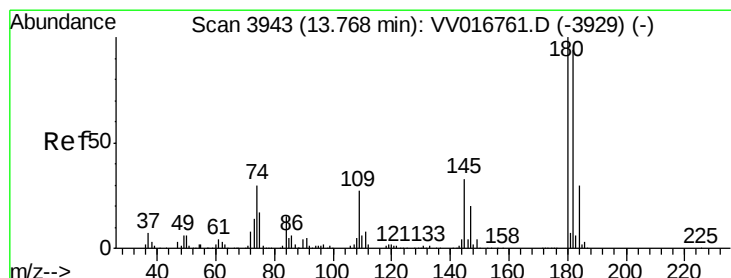
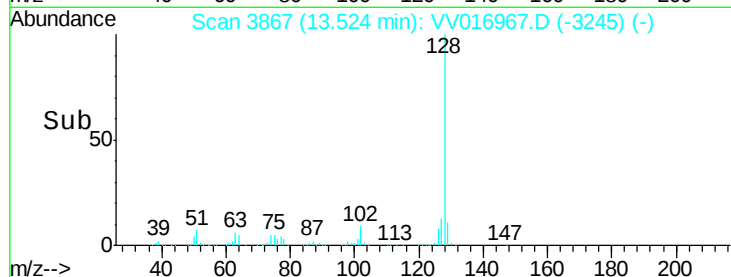
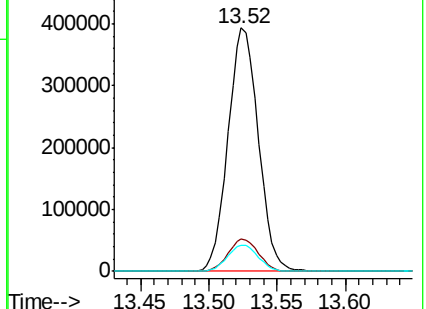
129 11.0 8.7 13.1



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: 52.980 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016967.D

Acq: 18 Jun 2020 09:53

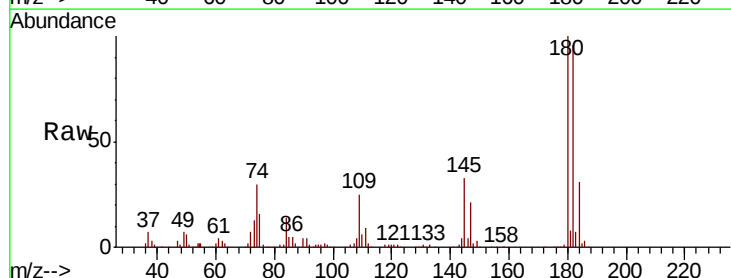
Tgt Ion:180 Resp: 212012

Ion Ratio Lower Upper

180 100

182 96.0 76.5 114.7

145 33.3 26.1 39.1



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

