

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072420\
 Data File : VV017651.D
 Acq On : 24 Jul 2020 17:24
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 25 04:37:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 25 00:05:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	167118	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	161917	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	91948	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	36674	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.58	69	30942	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.12	63	88517	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.00%
20) 2-Butanone-d5	3.95	46	84886	44.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.94%
24) Chloroform-d	4.37	84	97022	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.05	65	50926	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.07	84	169143	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.09	67	45374	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.33	98	168726	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
45) trans-1,3-Dichloropropene-	7.64	79	21787	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
48) 2-Hexanone-d5	8.11	63	63411	45.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.02%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	33401	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	66166	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	92791	5.067	ug/L 99
3) Chloromethane	1.25	50	58504	4.911	ug/L 96
5) Vinyl chloride	1.32	62	59424	4.977	ug/L 95
6) Bromomethane	1.53	94	37019	4.824	ug/L 98
8) Chloroethane	1.59	64	35852	5.202	ug/L 99
9) Trichlorofluoromethane	1.76	101	114704	5.371	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	52560	5.270	ug/L 97
12) 1,1-Dichloroethene	2.13	96	47409	5.268	ug/L 95
13) Acetone	2.46	43	13501	9.034	ug/L 82
14) Carbon disulfide	2.31	76	140097	5.121	ug/L 97
15) Methyl Acetate	2.46	43	13501	4.643	ug/L 97
16) Methylene chloride	2.52	84	51240	5.117	ug/L 93
17) Methyl tert-butyl Ether	2.79	73	117703	5.103	ug/L 97
18) trans-1,2-Dichloroethene	2.77	96	51832	5.286	ug/L 97
19) 1,1-Dichloroethane	3.21	63	90796	4.403	ug/L 95
21) 2-Butanone	4.04	43	116055	45.990	ug/L 98
22) cis-1,2-Dichloroethene	3.93	96	63126	5.112	ug/L 92

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 MSVOA_V
 ClientSampleId :

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

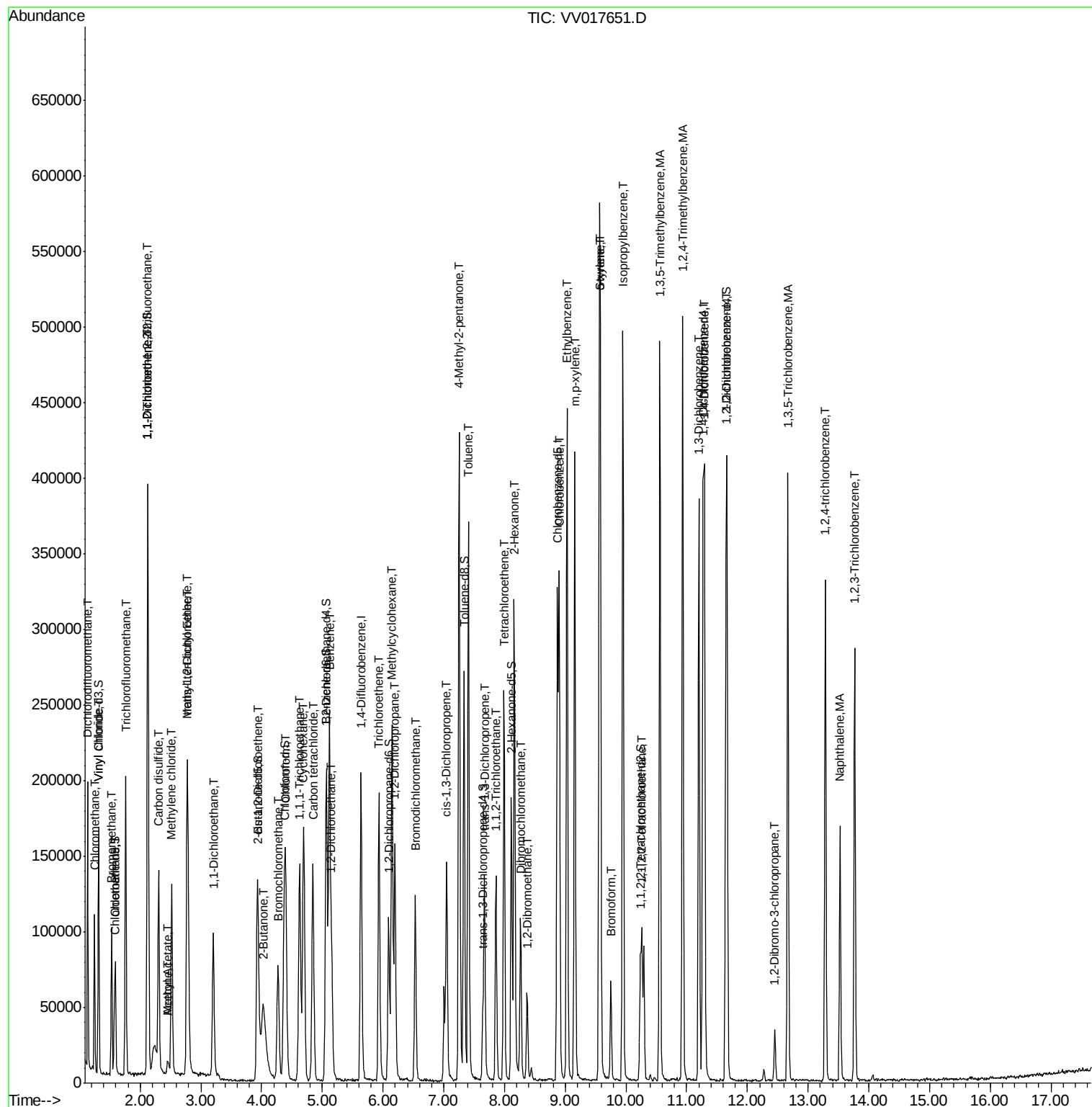
23) Bromochloromethane	4.27	128	27587	4.848	ug/L	92
25) Chloroform	4.40	83	119499	5.163	ug/L	98
27) 1,2-Dichloroethane	5.15	62	74663	4.975	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	116562	5.145	ug/L	98
30) Cyclohexane	4.69	56	83222	4.637	ug/L	97
31) Carbon tetrachloride	4.85	117	105629	5.242	ug/L	99
33) Benzene	5.12	78	230302	5.025	ug/L	100
34) Trichloroethene	5.93	95	64553	5.042	ug/L	99
35) Methylcyclohexane	6.15	83	95967	4.955	ug/L	97
37) 1,2-Dichloropropane	6.19	63	51929	4.821	ug/L	99
38) Bromodichloromethane	6.53	83	81009	5.113	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	80734	4.970	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	270416	45.789	ug/L	99
42) Toluene	7.41	91	259395	5.188	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	252694	5.413	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	264081	5.537	ug/L	98
46) trans-1,3-Dichloropropene	7.67	75	71660	4.913	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	40232	4.925	ug/L	97
49) Tetrachloroethene	7.99	164	56246	4.983	ug/L	97
50) 2-Hexanone	8.16	43	200304	47.934	ug/L	97
51) Dibromochloromethane	8.27	129	54136	5.207	ug/L	92
52) 1,2-Dibromoethane	8.37	107	37620	4.880	ug/L	98
53) Chlorobenzene	8.90	112	169316	5.079	ug/L	99
54) Ethylbenzene	9.03	91	292487	5.225	ug/L	99
55) m,p-xylene	9.16	106	114312	5.422	ug/L	98
56) o-xylene	9.56	106	107086	5.234	ug/L	98
57) Styrene	9.58	104	184473	5.404	ug/L	99
58) Isopropylbenzene	9.95	105	299857	5.313	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	41800	4.696	ug/L	99
62) Bromoform	9.75	173	30700	5.217	ug/L	95
63) 1,3-Dichlorobenzene	11.20	146	149361	5.045	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	149762	5.041	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	134135	4.974	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	8121	4.816	ug/L	93
68) 1,3,5-Trichlorobenzene	12.67	180	120393	5.006	ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	100315	4.987	ug/L	99
70) Naphthalene	13.53	128	130742	4.662	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	87088	4.886	ug/L	96

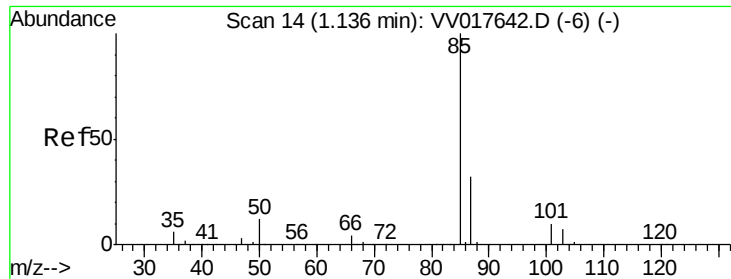
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_V
ClientSampled :

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#2

Dichlorodifluoromethane

Concen: 5.067 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

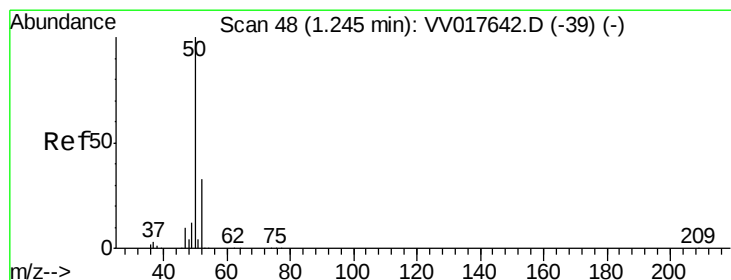
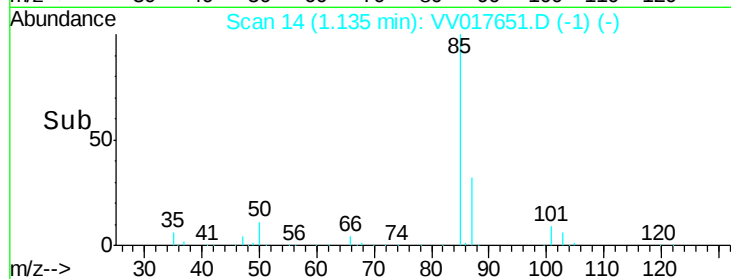
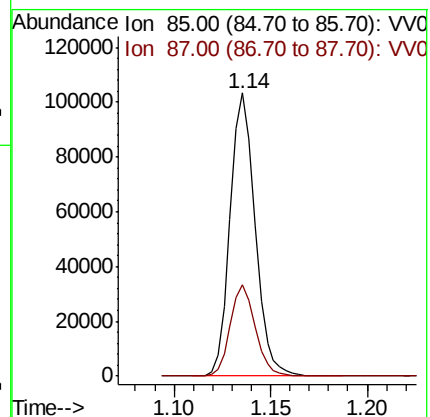
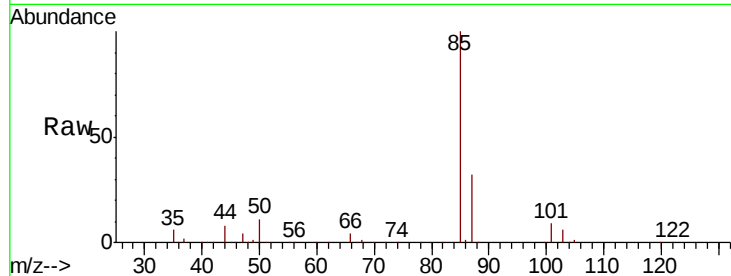
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 92791

Ion Ratio Lower Upper

85 100

87 32.3 26.4 39.6



#3

Chloromethane

Concen: 4.911 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017651.D

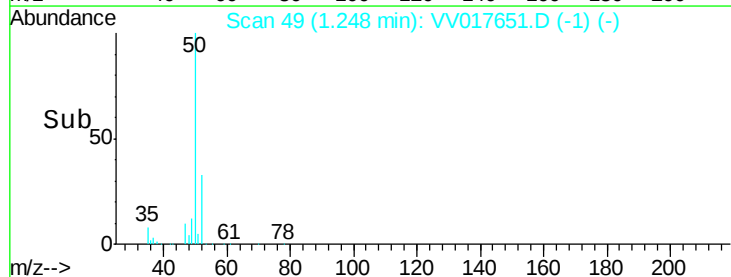
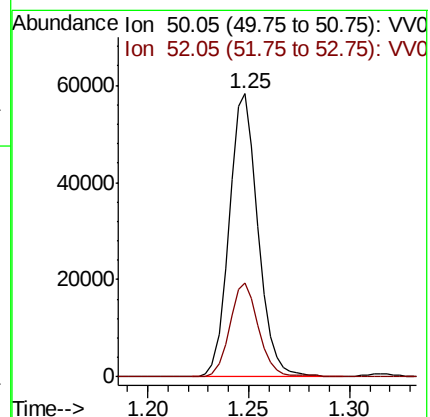
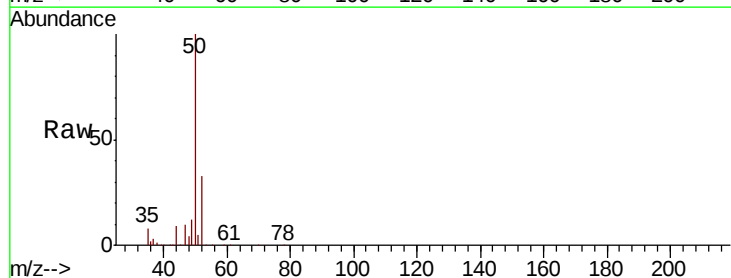
Acq: 24 Jul 2020 17:24

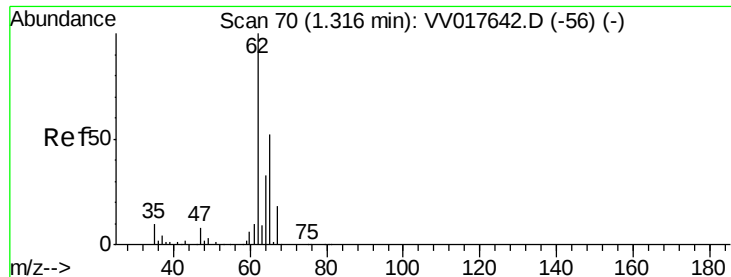
Tgt Ion: 50 Resp: 58504

Ion Ratio Lower Upper

50 100

52 33.3 25.1 46.5





#5

Vinyl chloride

Concen: 4.977 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

Instrument :

MSVOA_V

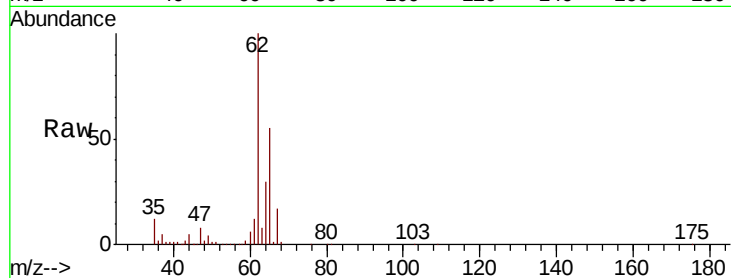
ClientSampleId :

Tot Ion: 62 Resp: 59424

Ion Ratio Lower Upper

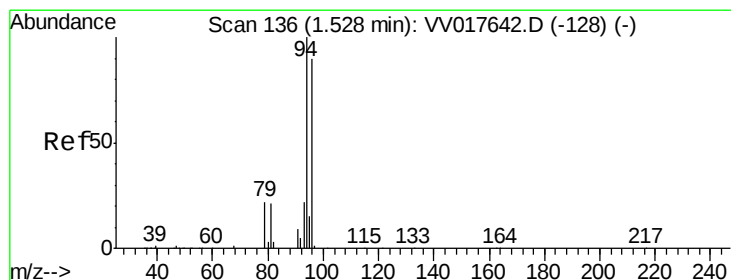
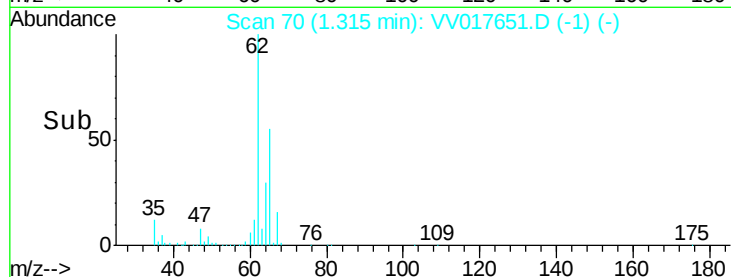
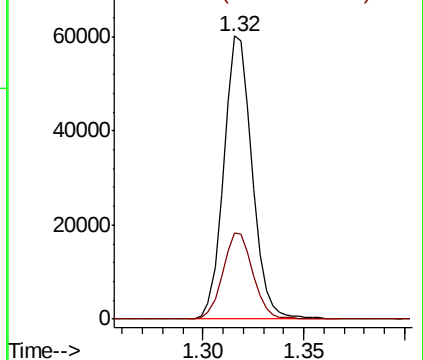
62 100

64 30.3 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.824 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017651.D

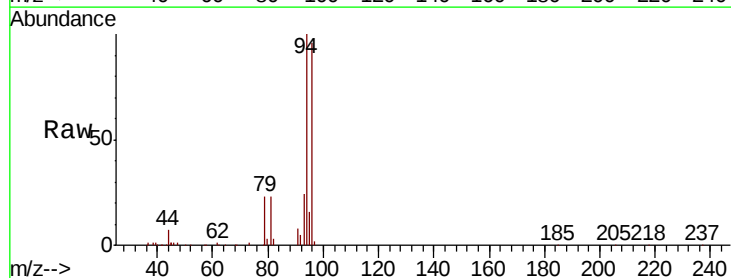
Acq: 24 Jul 2020 17:24

Tgt Ion: 94 Resp: 37019

Ion Ratio Lower Upper

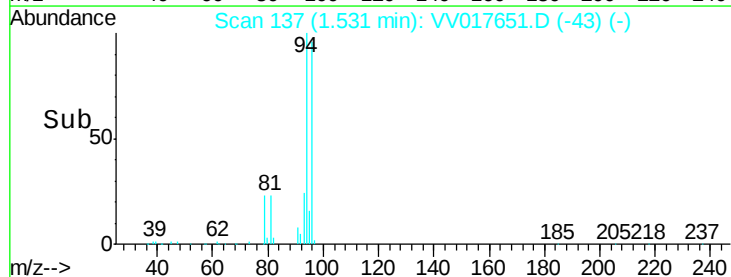
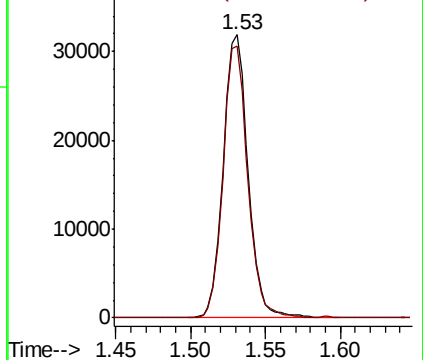
94 100

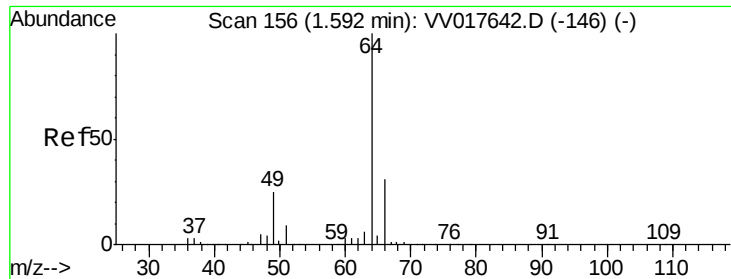
96 96.2 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.202 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

Instrument :

MSVOA_V

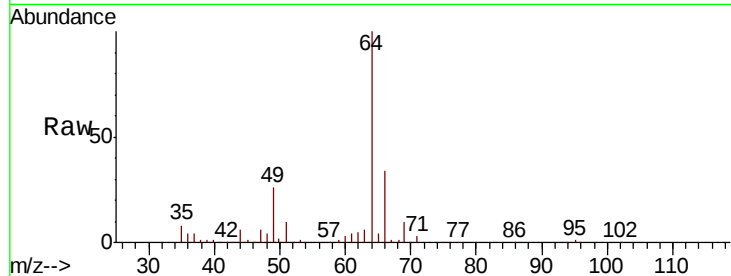
ClientSampleId :

Tot Ion: 64 Resp: 35852

Ion Ratio Lower Upper

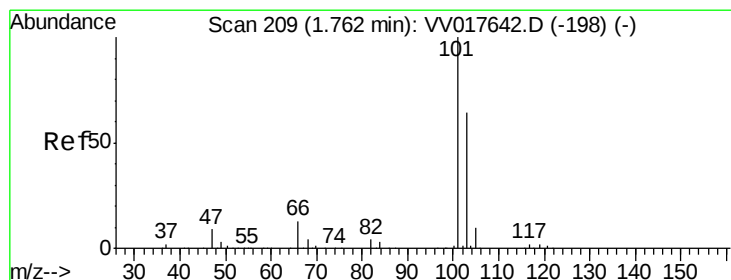
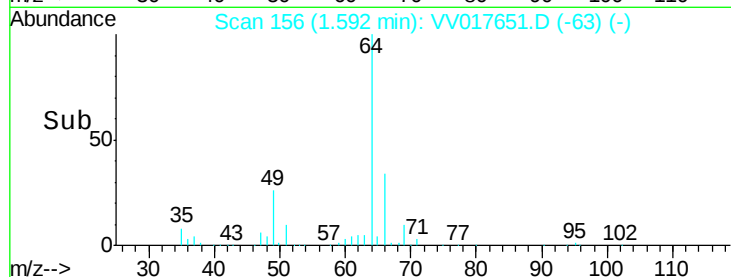
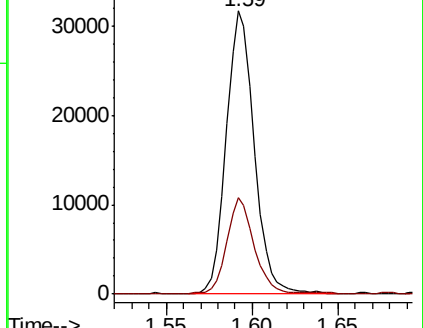
64 100

66 33.9 24.0 44.6



Abundance Ion 64.10 (63.80 to 64.80): VV017642.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV017642.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 5.371 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017651.D

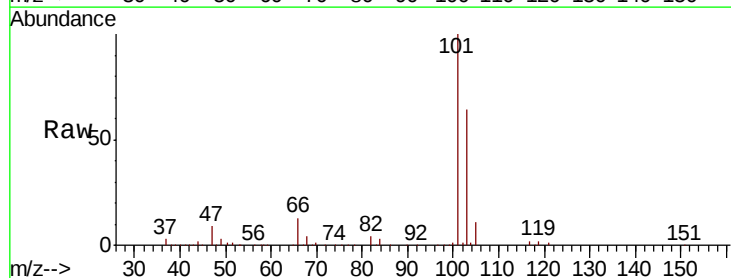
Acq: 24 Jul 2020 17:24

Tgt Ion: 101 Resp: 114704

Ion Ratio Lower Upper

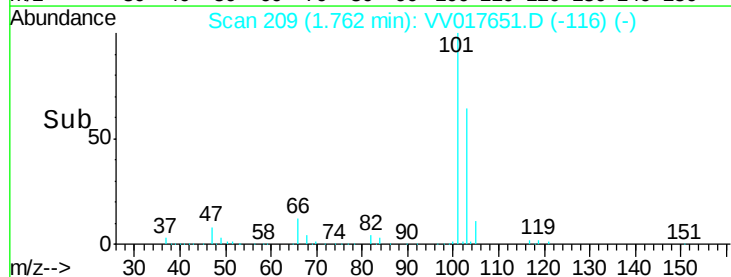
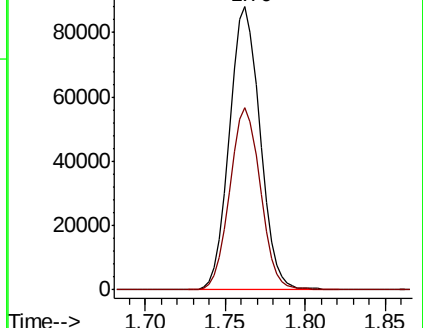
101 100

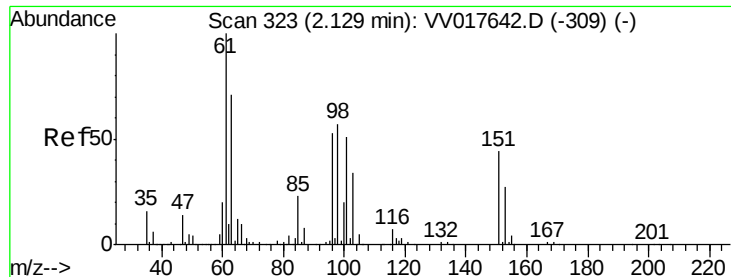
103 64.6 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV017642.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017642.D (-198) (-)





#10

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

Concen: 5.270 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

Instrument :

MSVOA_V

ClientSampleId :

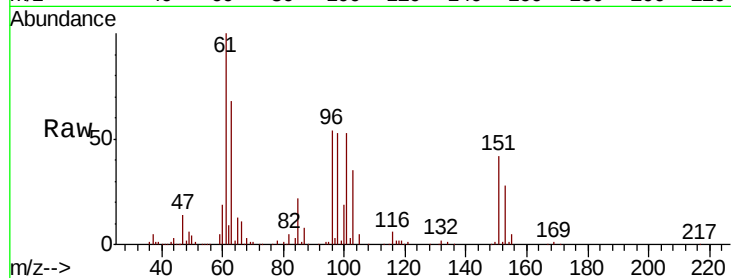
Tot Ion:101 Resp: 52560

Ion Ratio Lower Upper

101 100

85 44.5 34.6 51.8

151 82.4 63.5 95.3

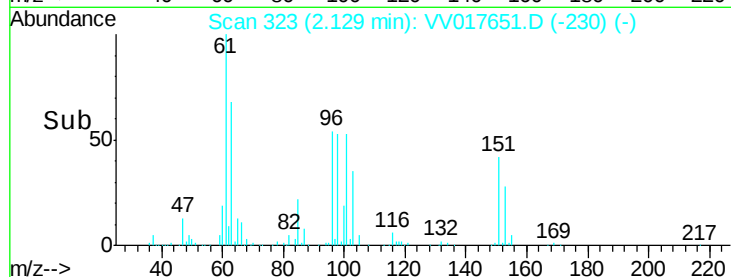


Abundance Ion 101.00 (100.70 to 101.70): VV017642.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV017642.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV017642.D (-309) (-)

Time-->

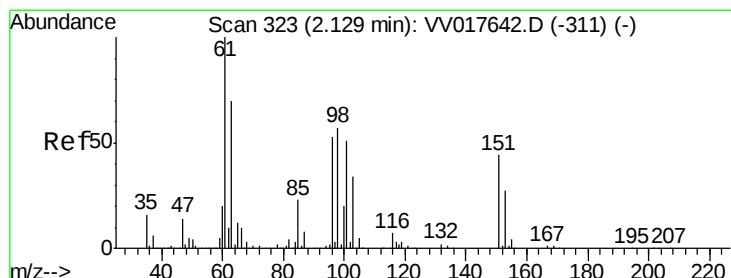


Abundance Ion 101.00 (100.70 to 101.70): VV017651.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017651.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017651.D (-230) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 5.268 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

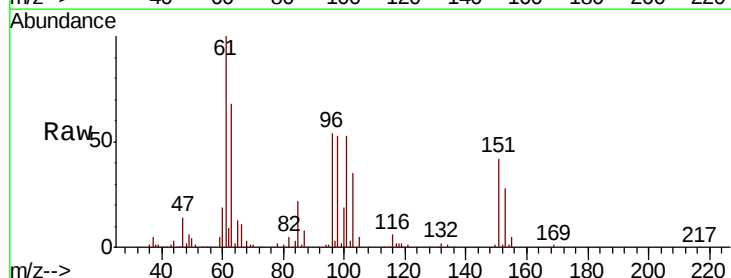
Tgt Ion: 96 Resp: 47409

Ion Ratio Lower Upper

96 100

61 185.1 123.1 228.7

63 126.2 91.2 169.4

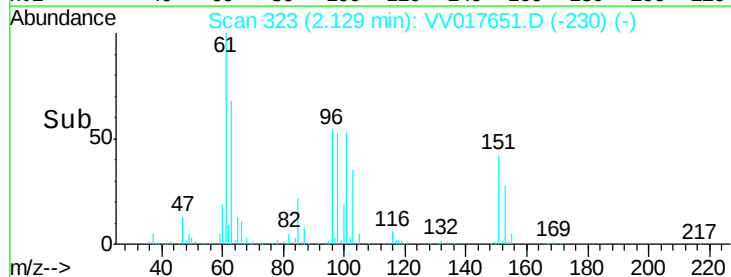


Abundance Ion 96.00 (95.70 to 96.70): VV017642.D (-311) (-)

Ion 61.05 (60.75 to 61.75): VV017642.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV017642.D (-311) (-)

Time-->

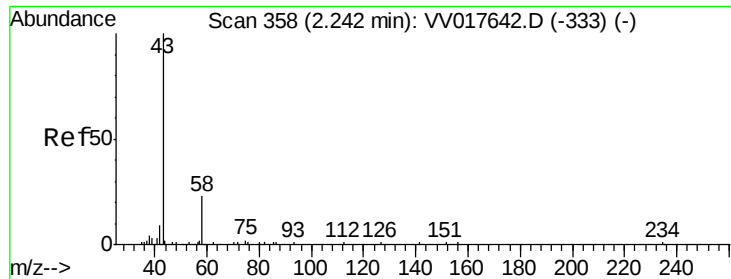


Abundance Ion 96.00 (95.70 to 96.70): VV017651.D (-230) (-)

Ion 61.05 (60.75 to 61.75): VV017651.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017651.D (-230) (-)

Time-->



#13

Acetone

Concen: 9.034 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.22 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

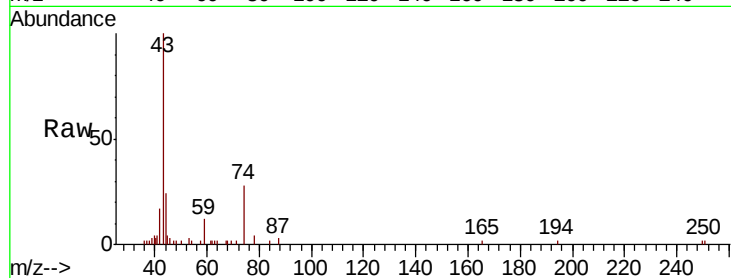
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 13501

Ion Ratio Lower Upper

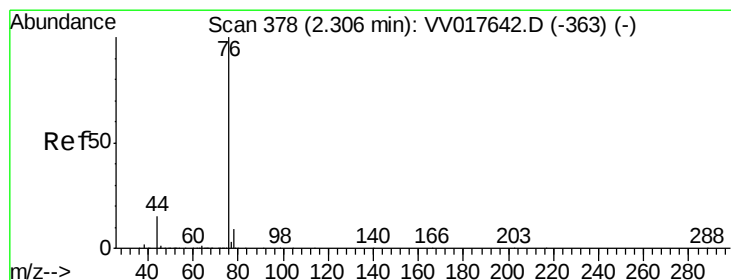
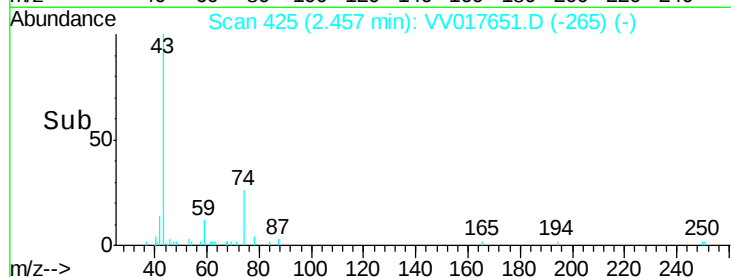
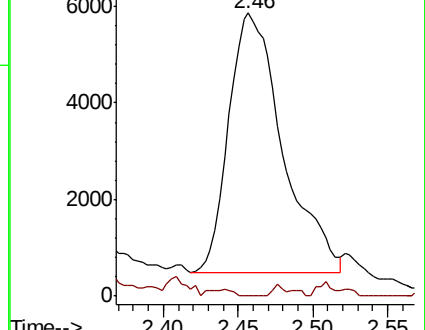
43 100

58 2.7 0.0 18.6



Abundance Ion 43.05 (42.75 to 43.75): VV017651.D (-265) (-)

Ion 58.05 (57.75 to 58.75): VV017651.D (-265) (-)



#14

Carbon disulfide

Concen: 5.121 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017651.D

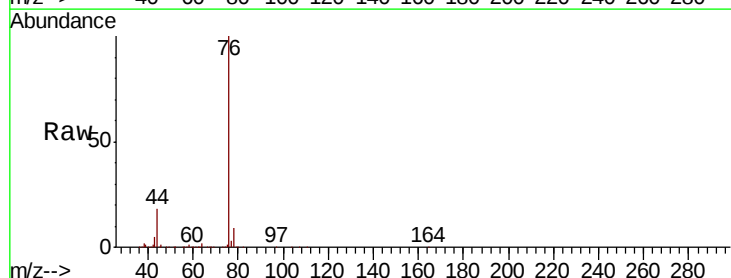
Acq: 24 Jul 2020 17:24

Tgt Ion: 76 Resp: 140097

Ion Ratio Lower Upper

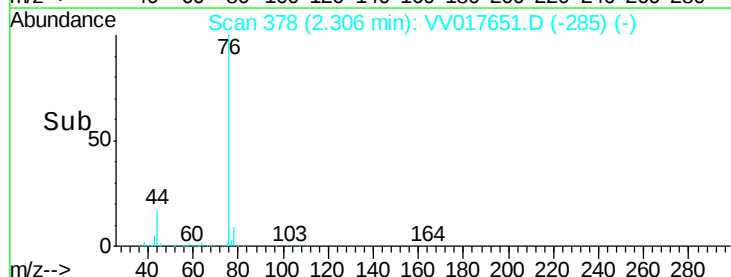
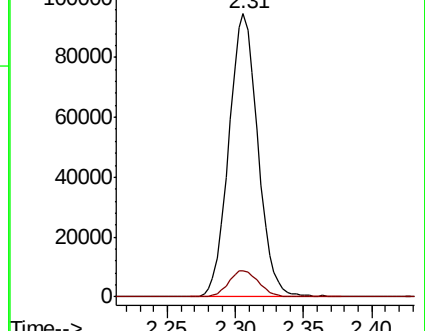
76 100

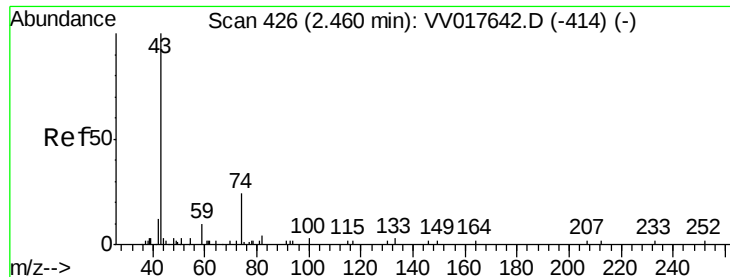
78 9.4 6.6 10.0



Abundance Ion 76.05 (75.75 to 76.75): VV017651.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV017651.D (-285) (-)





#15

Methvl Acetate

Concen: 4.643 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

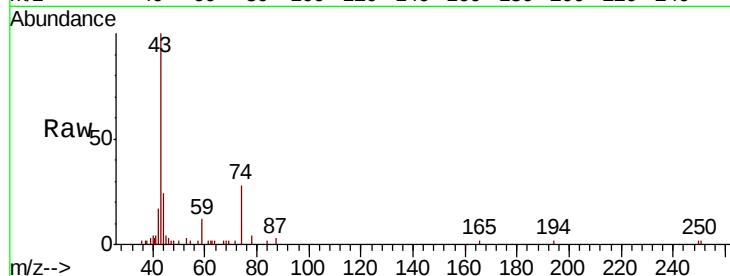
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 13501

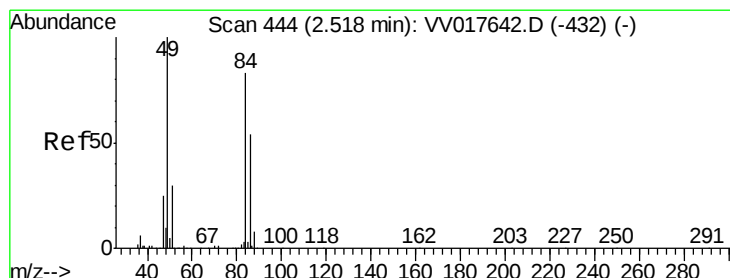
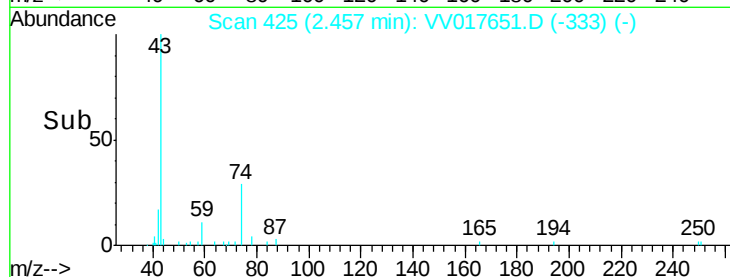
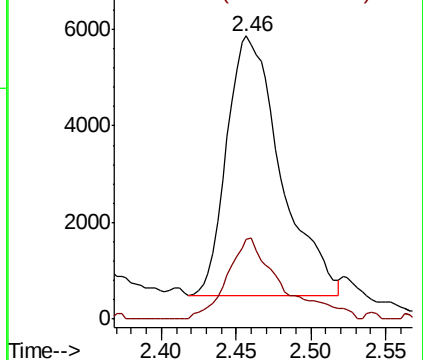
Ion Ratio Lower Upper

43 100

74 31.4 26.6 40.0



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.117 ug/L

RT: 2.52 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

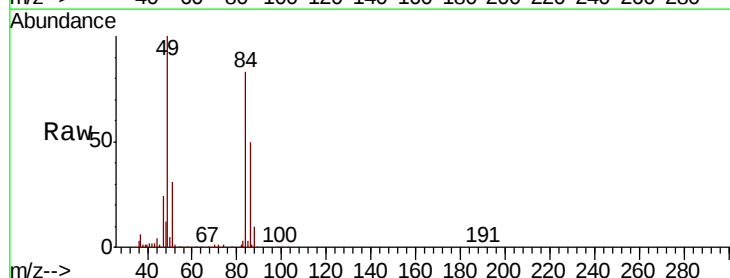
Tgt Ion: 84 Resp: 51240

Ion Ratio Lower Upper

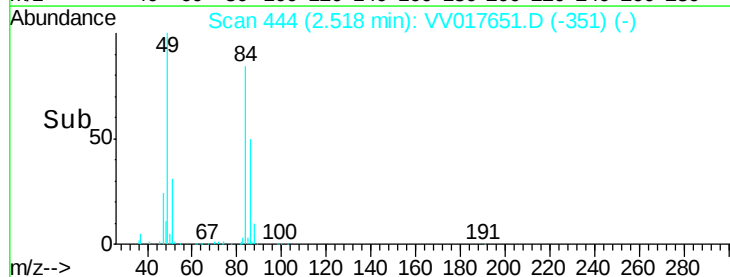
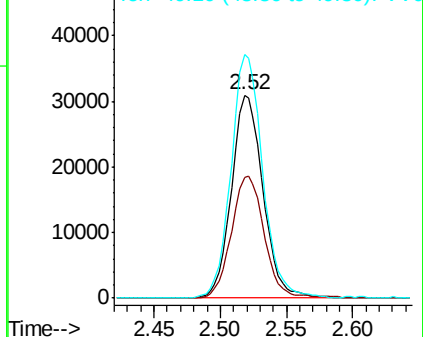
84 100

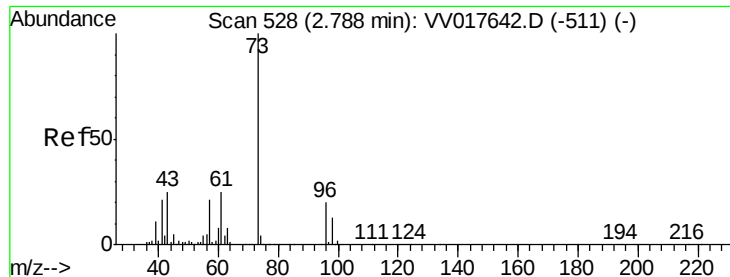
86 59.5 46.5 86.3

49 120.0 79.2 147.2



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

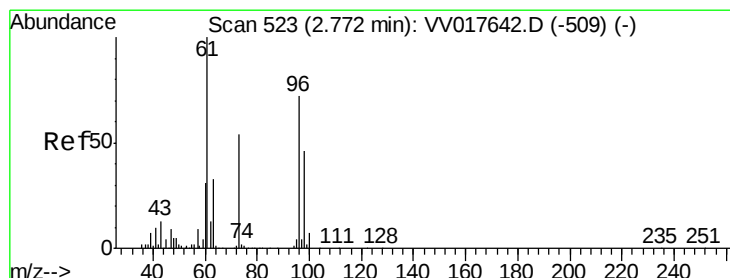
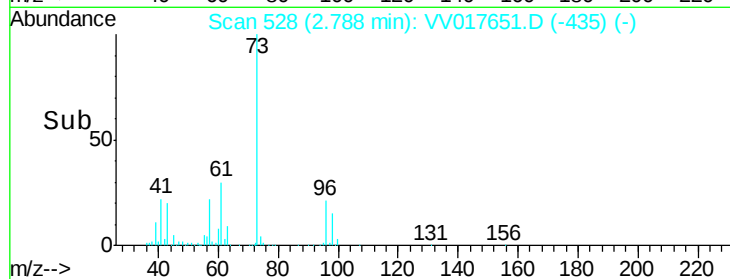
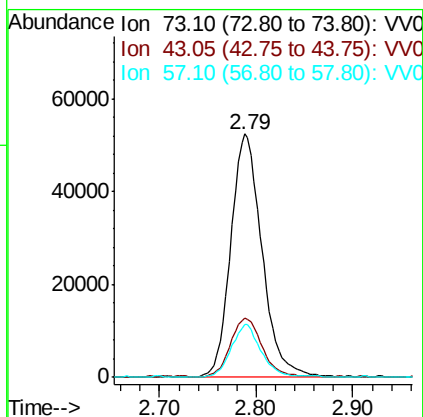
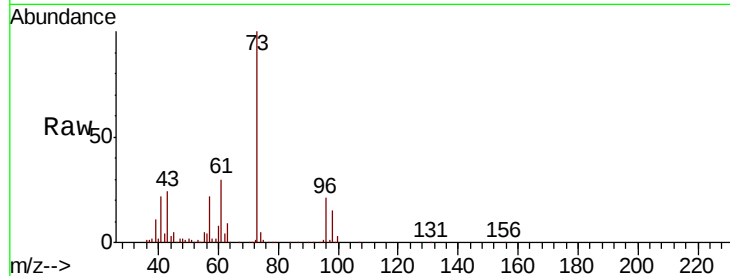




#17
Methvl tert-butvl Ether
Concen: 5.103 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV017651.D
Acq: 24 Jul 2020 17:24

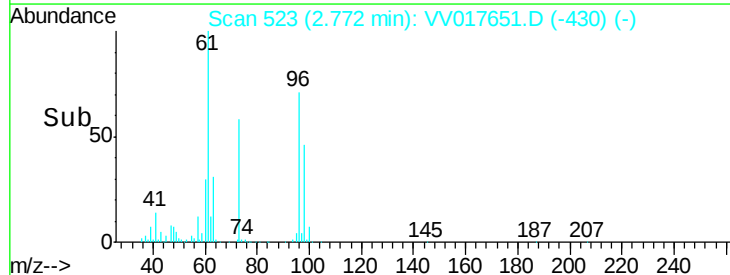
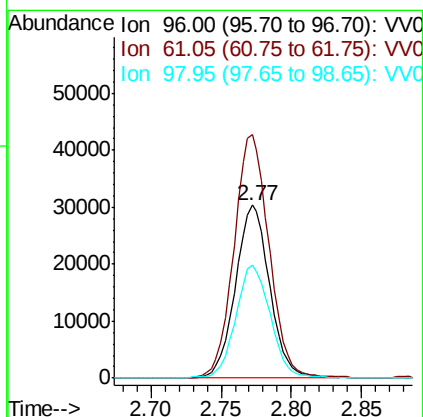
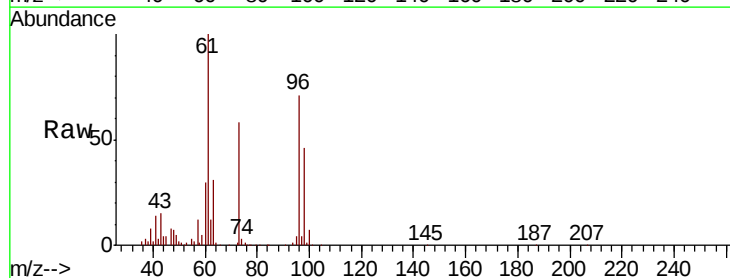
Instrument :
MSVOA_V
ClientSampleId :

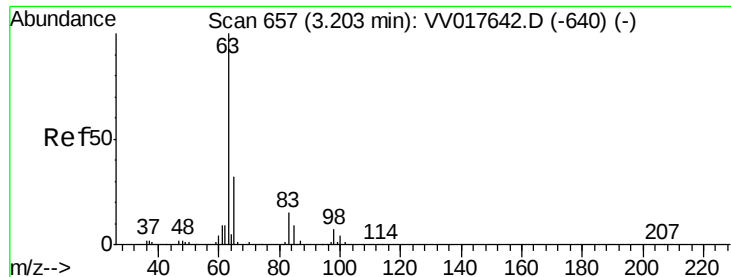
Tot Ion: 73 Resp: 117703
Ion Ratio Lower Upper
73 100
43 25.2 18.3 27.5
57 20.7 16.7 25.1



#18
trans-1,2-Dichloroethene
Concen: 5.286 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.00 min
Lab File: VV017651.D
Acq: 24 Jul 2020 17:24

Tgt Ion: 96 Resp: 51832
Ion Ratio Lower Upper
96 100
61 141.0 96.0 178.4
98 65.2 43.5 80.9





#19

1,1-Dichloroethane

Concen: 4.403 ug/L

RT: 3.21 min Scan# 658

Delta R.T. 0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

Instrument :
MSVOA_V
ClientSampled :

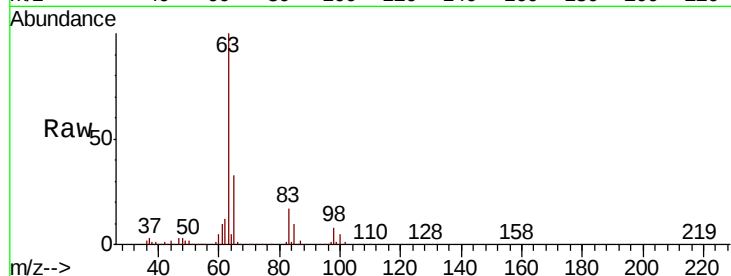
Tot Ion: 63 Resp: 90796

Ion Ratio Lower Upper

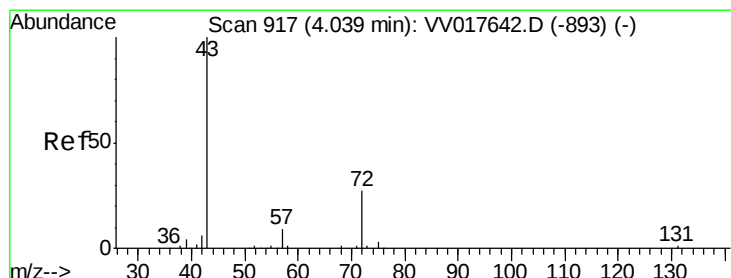
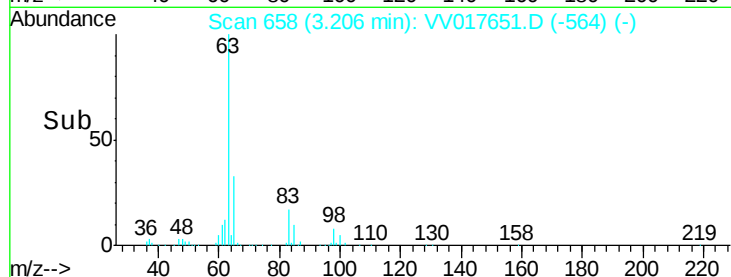
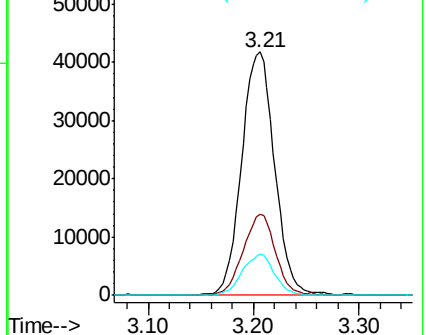
63 100

65 33.2 21.4 39.8

83 17.0 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 45.990 ug/L

RT: 4.04 min Scan# 916

Delta R.T. -0.00 min

Lab File: VV017651.D

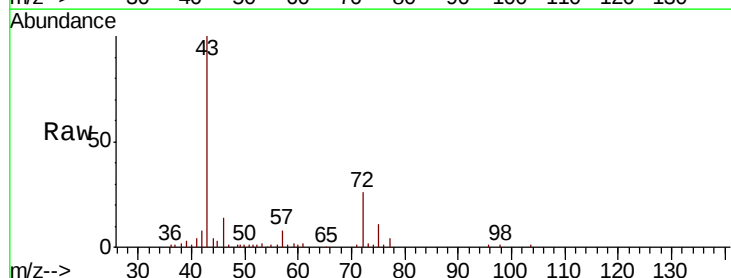
Acq: 24 Jul 2020 17:24

Tgt Ion: 43 Resp: 116055

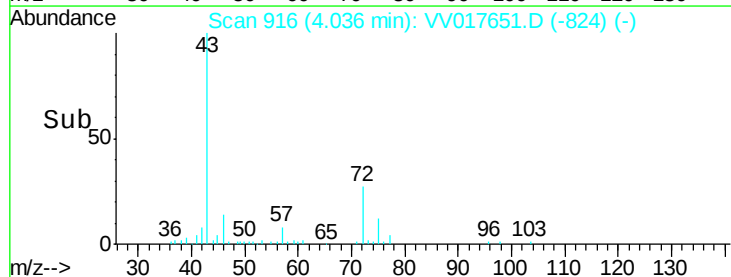
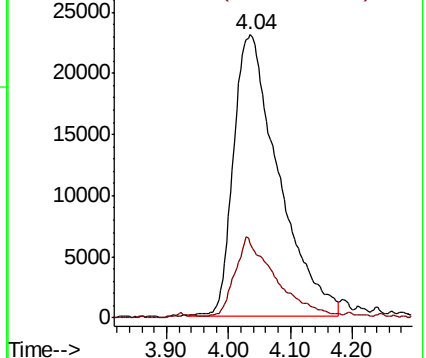
Ion Ratio Lower Upper

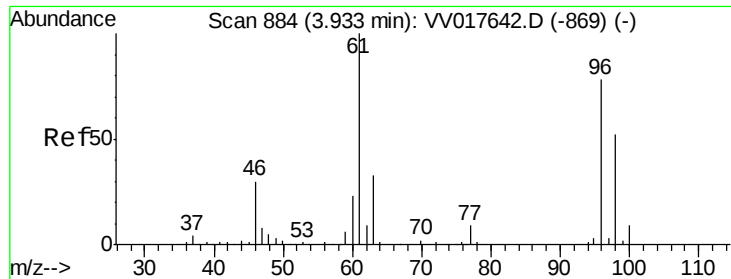
43 100

72 25.1 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0



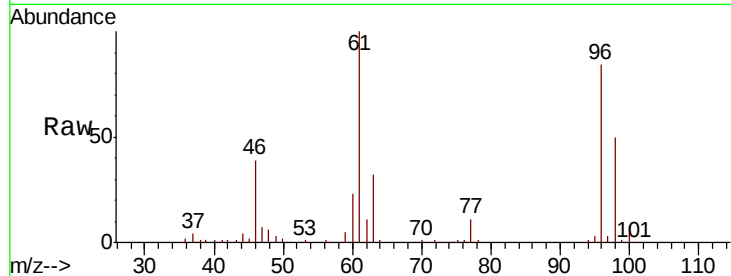


#22

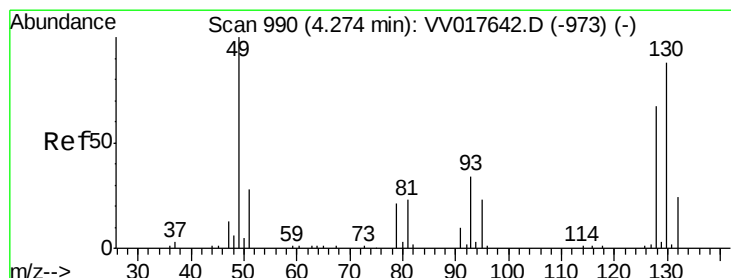
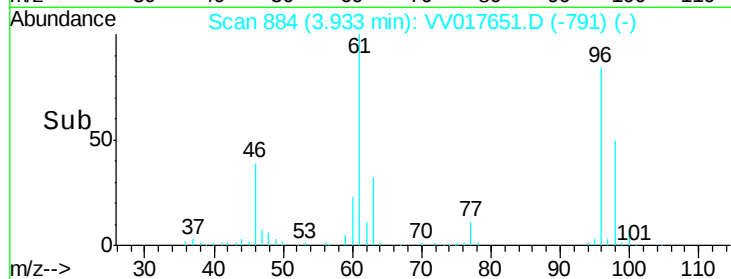
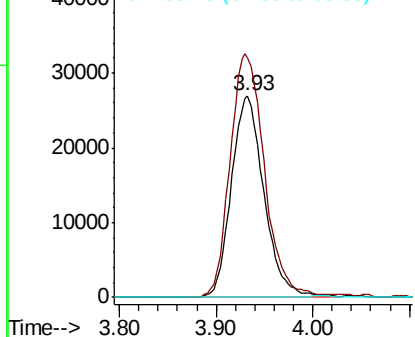
cis-1,2-Dichloroethene
Concen: 5.112 ug/L
RT: 3.93 min Scan# 884
Delta R.T. -0.00 min
Lab File: VV017651.D
Acq: 24 Jul 2020 17:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 63126
Ion Ratio Lower Upper
96 100
61 118.9 89.6 166.4
68 0.0 0.0 0.0



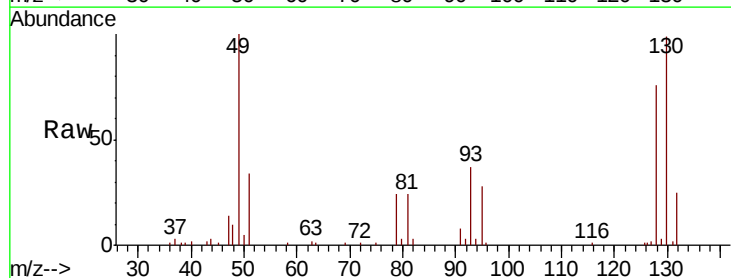
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



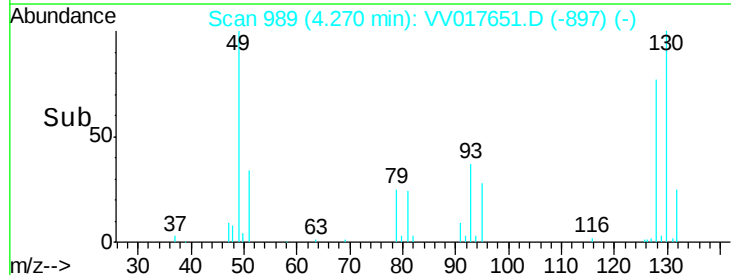
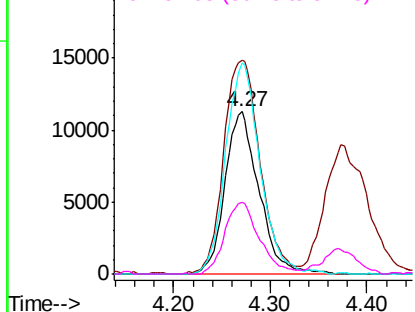
#23

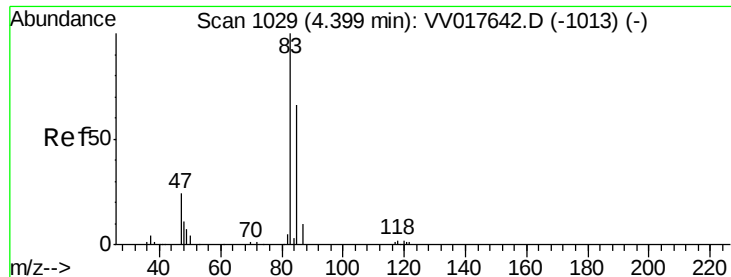
Bromochloromethane
Concen: 4.848 ug/L
RT: 4.27 min Scan# 989
Delta R.T. -0.00 min
Lab File: VV017651.D
Acq: 24 Jul 2020 17:24

Tgt Ion: 128 Resp: 27587
Ion Ratio Lower Upper
128 100
49 131.7 92.2 171.2
130 129.9 77.2 143.4
51 44.3 33.8 50.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 5.163 ug/L

RT: 4.40 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

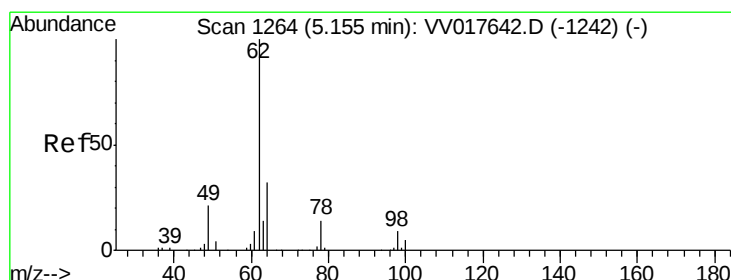
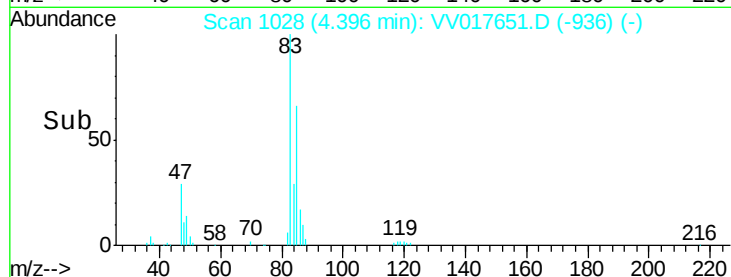
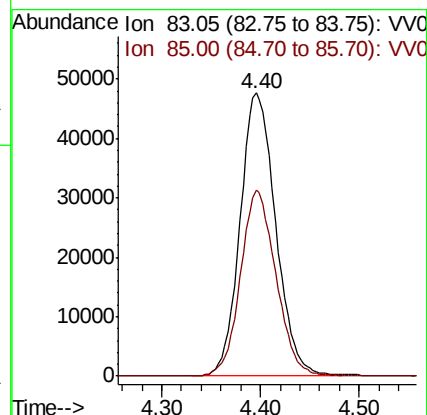
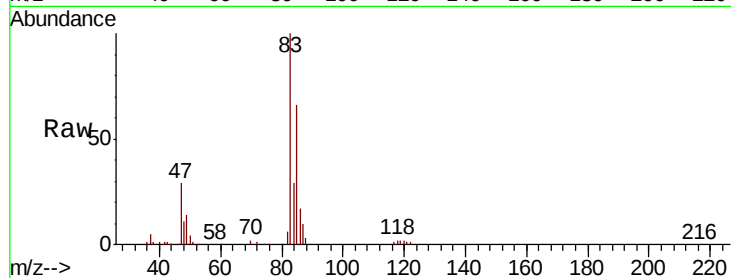
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 119499

Ion Ratio Lower Upper

83 100

85 65.7 47.3 87.9



#27

1,2-Dichloroethane

Concen: 4.975 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV017651.D

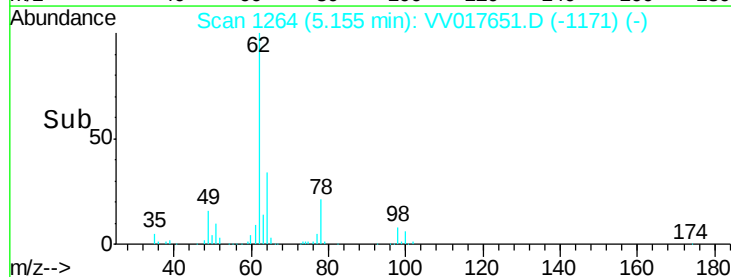
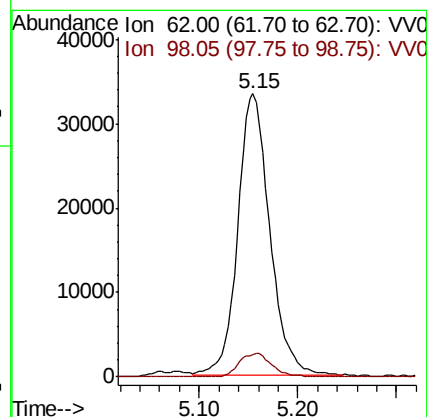
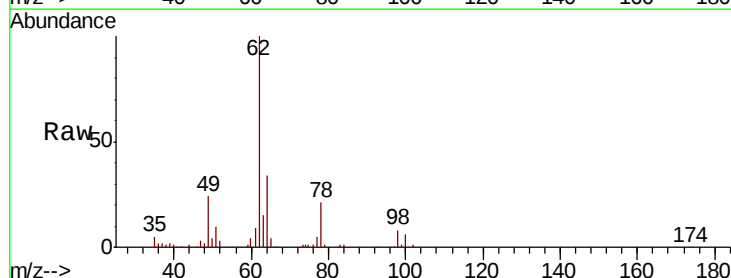
Acq: 24 Jul 2020 17:24

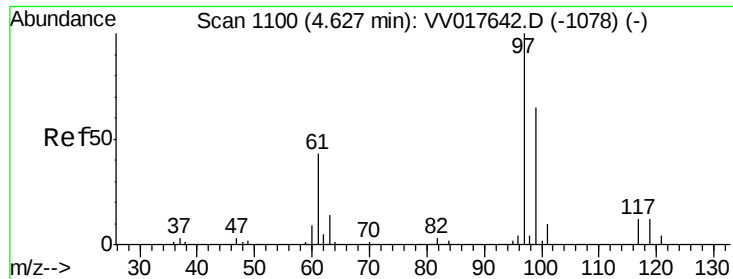
Tgt Ion: 62 Resp: 74663

Ion Ratio Lower Upper

62 100

98 8.1 7.0 10.6

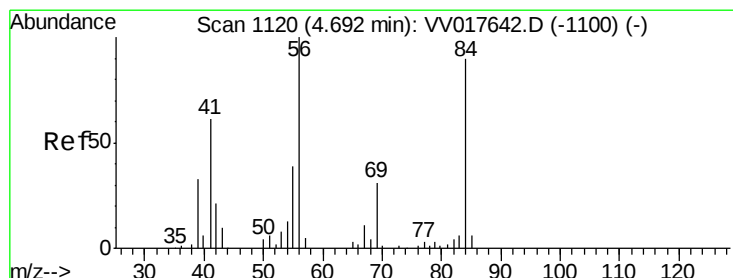
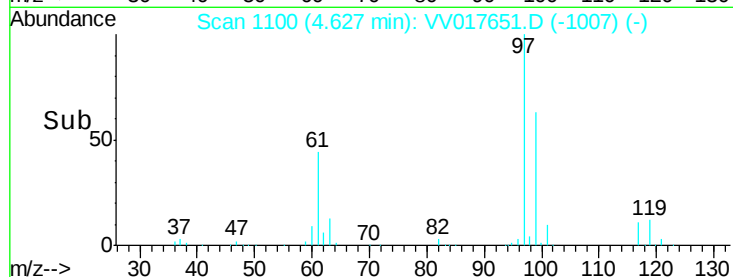
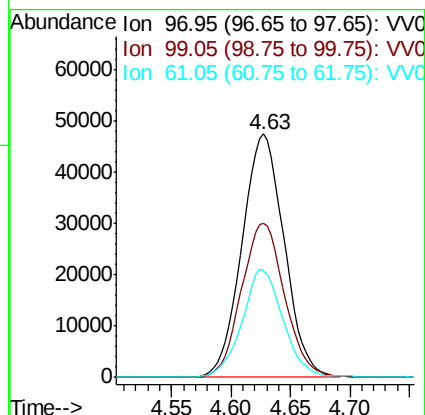
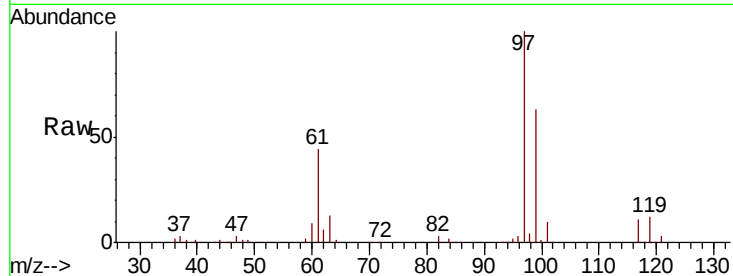




#29
 1,1,1-Trichloroethane
 Concen: 5.145 ug/L
 RT: 4.63 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: VV017651.D
 Acq: 24 Jul 2020 17:24

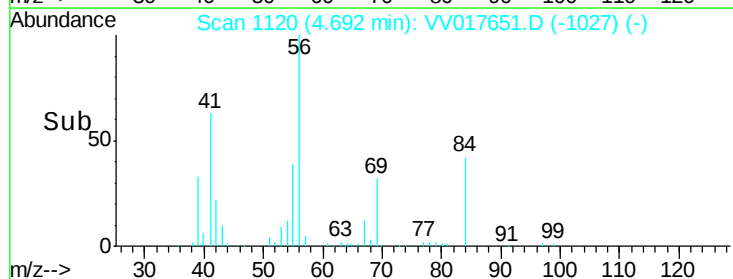
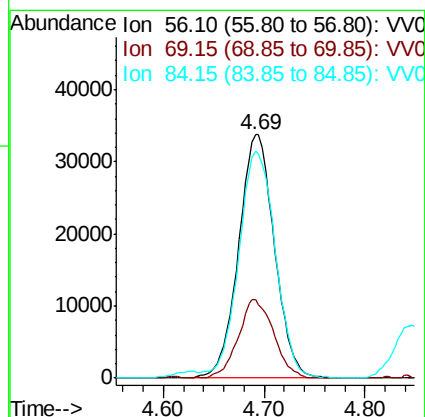
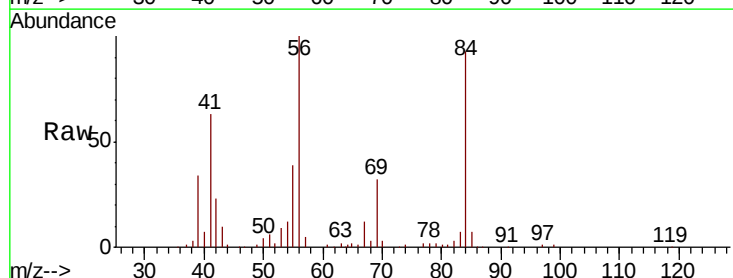
Instrument :
 MSVOA_V
 ClientSampleId :

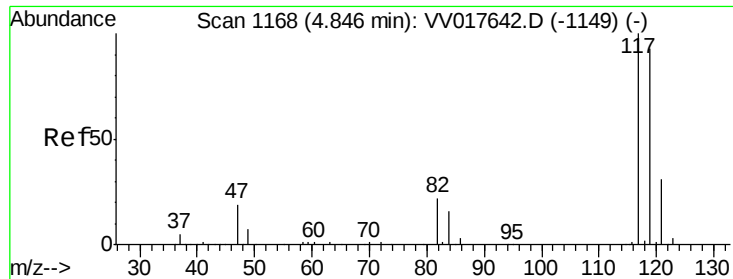
Tot Ion: 97 Resp: 116562
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.6 76.0
 61 43.4 35.7 53.5



#30
 Cyclohexane
 Concen: 4.637 ug/L
 RT: 4.69 min Scan# 1120
 Delta R.T. -0.00 min
 Lab File: VV017651.D
 Acq: 24 Jul 2020 17:24

Tgt Ion: 56 Resp: 83222
 Ion Ratio Lower Upper
 56 100
 69 31.9 25.4 38.2
 84 94.7 73.0 109.4

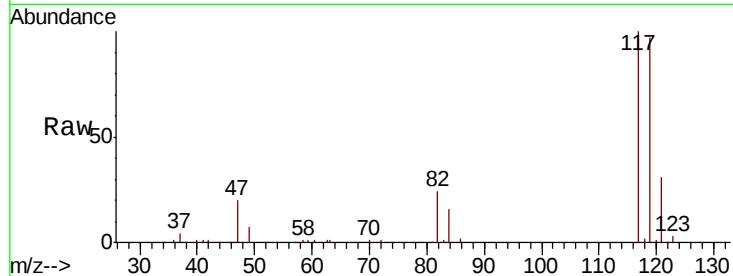




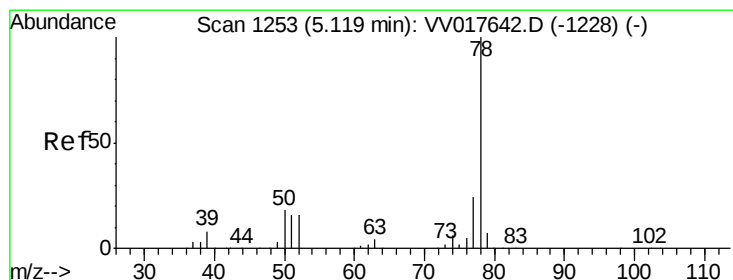
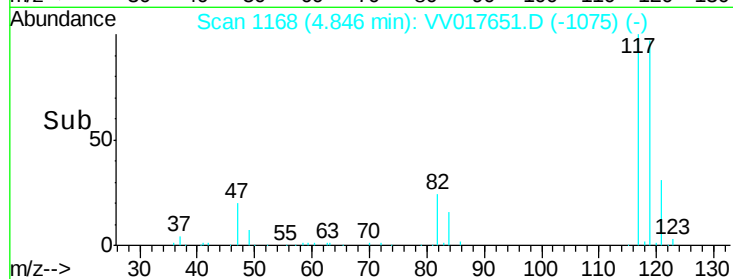
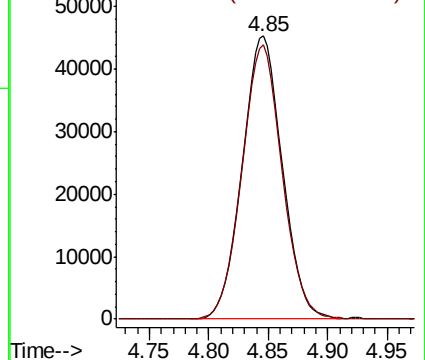
#31
Carbon tetrachloride
Concen: 5.242 ug/L
RT: 4.85 min Scan# 1168
Delta R.T. -0.00 min
Lab File: VV017651.D
Acq: 24 Jul 2020 17:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 105629
Ion Ratio Lower Upper
117 100
119 97.0 76.9 115.3

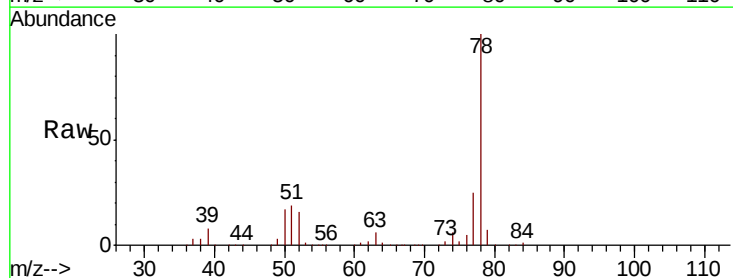


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

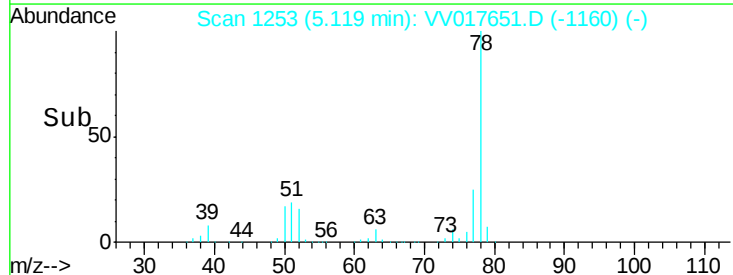
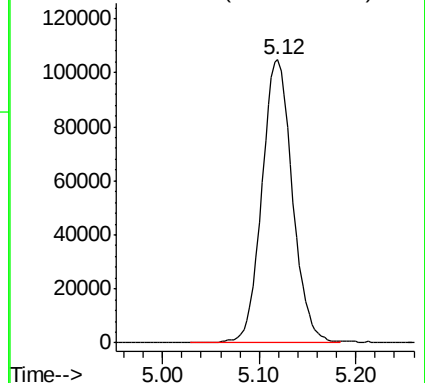


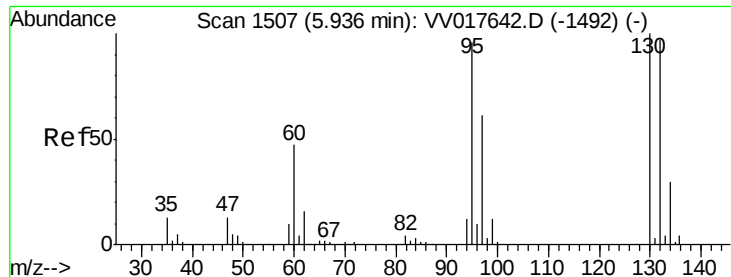
#33
Benzene
Concen: 5.025 ug/L
RT: 5.12 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VV017651.D
Acq: 24 Jul 2020 17:24

Tgt Ion: 78 Resp: 230302



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.042 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 64553

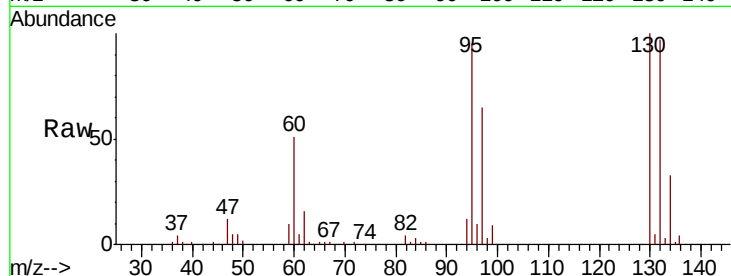
Ion Ratio Lower Upper

95 100

97 68.2 46.1 85.5

132 101.9 71.7 133.1

130 105.0 74.3 137.9

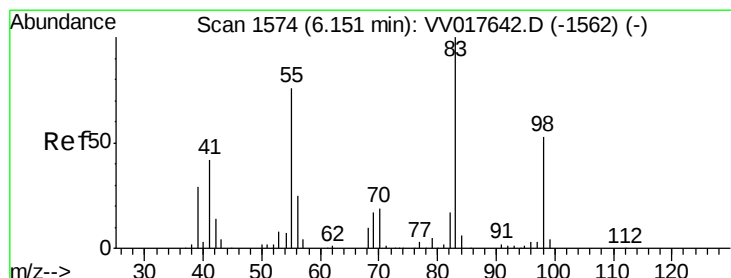
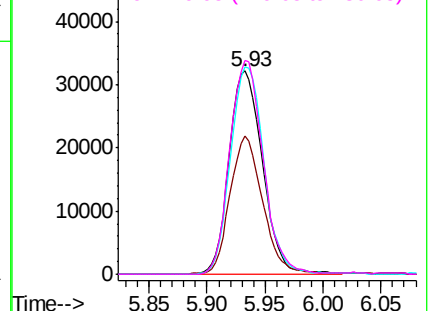
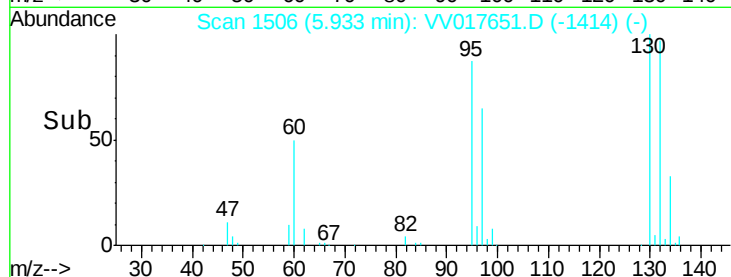


Abundance Ion 95.00 (94.70 to 95.70): VV017651.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV017651.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV017651.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV017651.D (-1414) (-)



#35

Methylcyclohexane

Concen: 4.955 ug/L

RT: 6.15 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

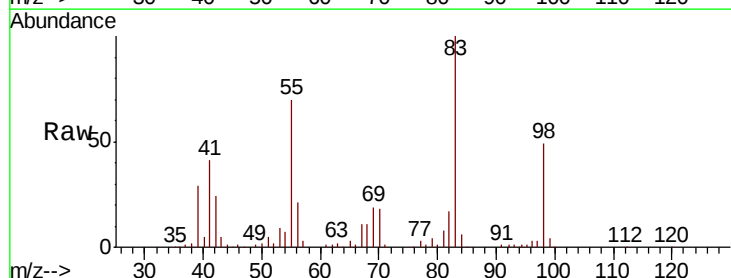
Tgt Ion: 83 Resp: 95967

Ion Ratio Lower Upper

83 100

55 74.3 61.8 92.8

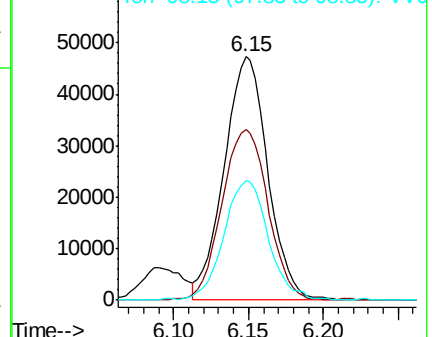
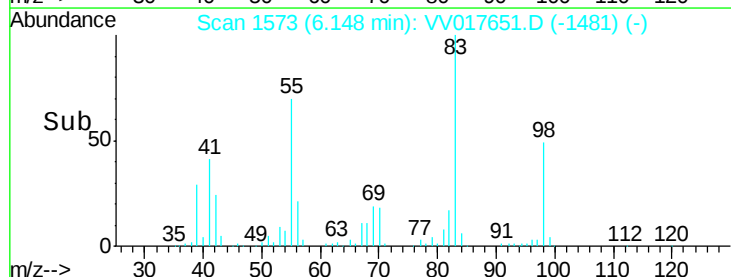
98 50.3 39.0 58.6

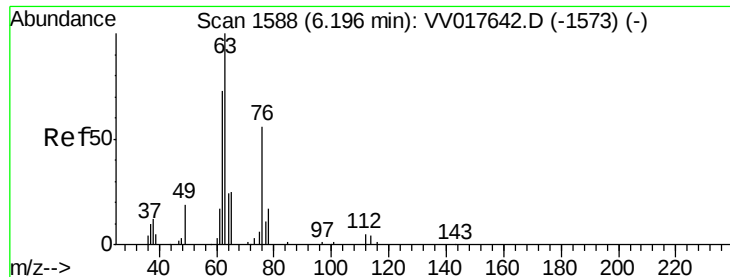


Abundance Ion 83.15 (82.85 to 83.85): VV017651.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV017651.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV017651.D (-1481) (-)





#37

1,2-Dichloropropane

Concen: 4.821 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

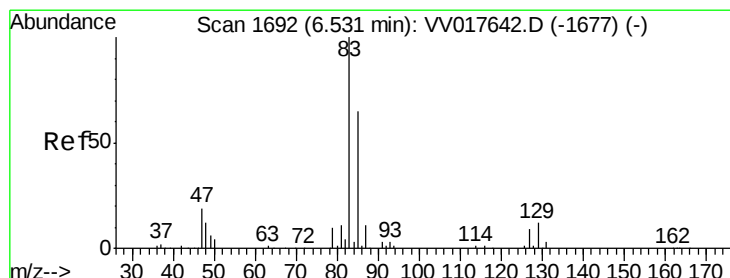
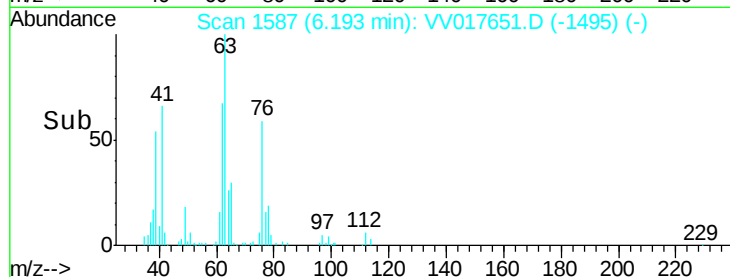
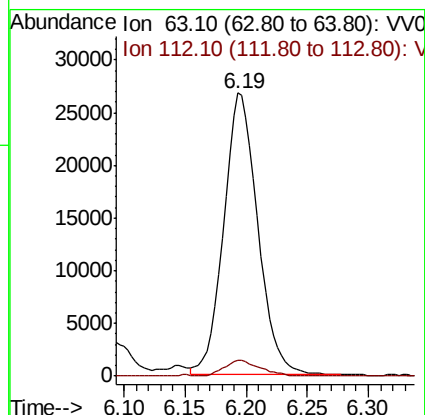
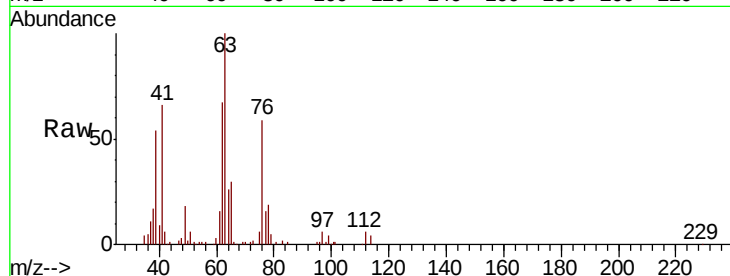
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 51929

Ion Ratio Lower Upper

63 100

112 5.9 4.5 6.7



#38

Bromodichloromethane

Concen: 5.113 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

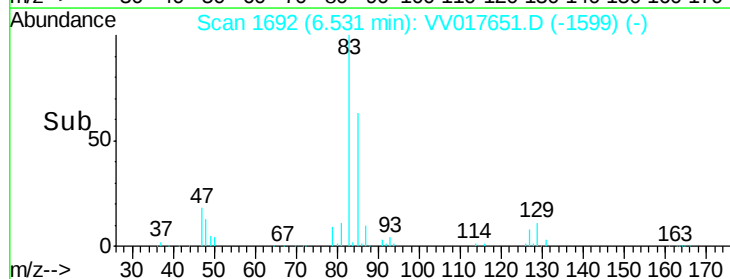
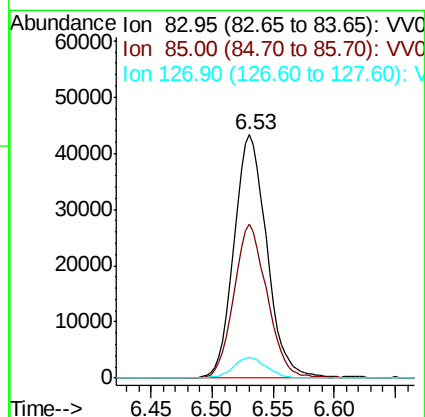
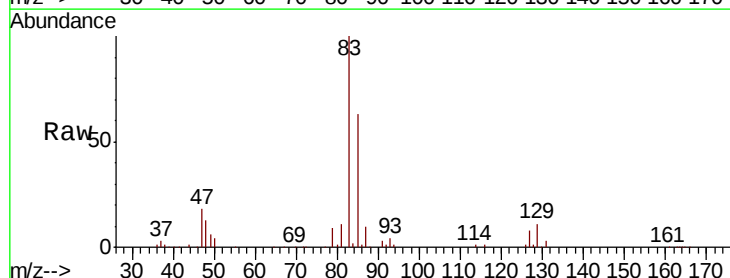
Tgt Ion: 83 Resp: 81009

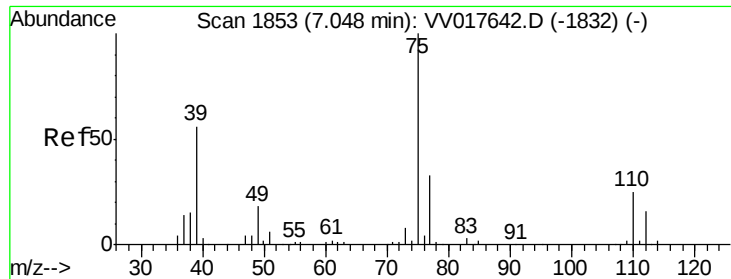
Ion Ratio Lower Upper

83 100

85 63.5 44.7 83.1

127 8.3 7.4 11.0

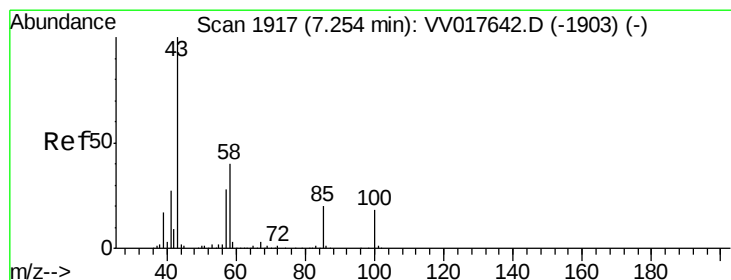
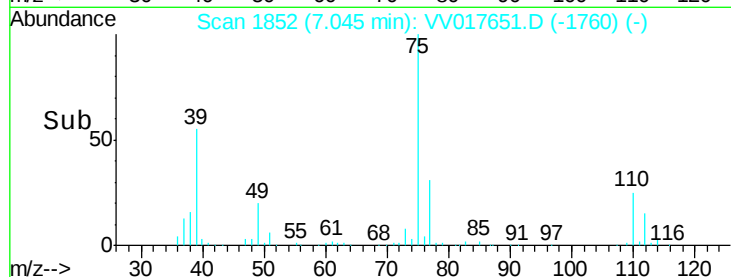
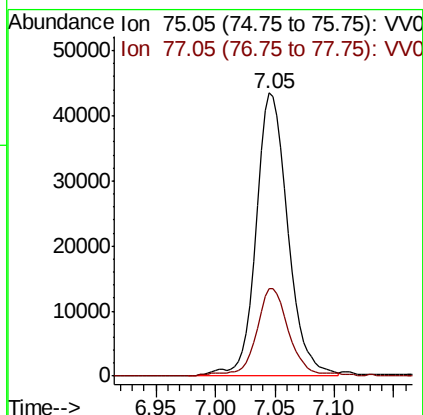
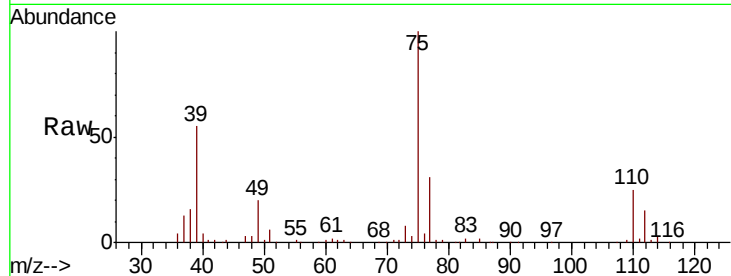




#39
 cis-1,3-Dichloropropene
 Concen: 4.970 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV017651.D
 Acq: 24 Jul 2020 17:24

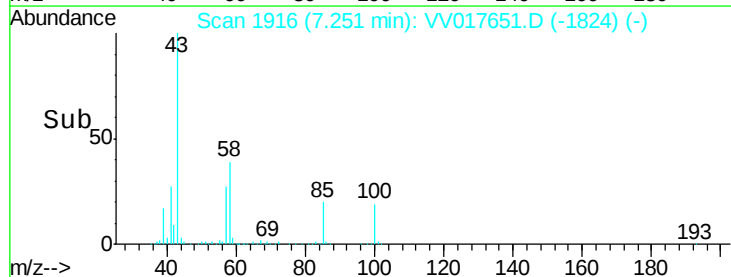
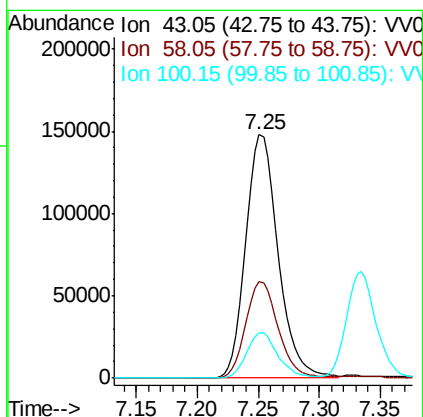
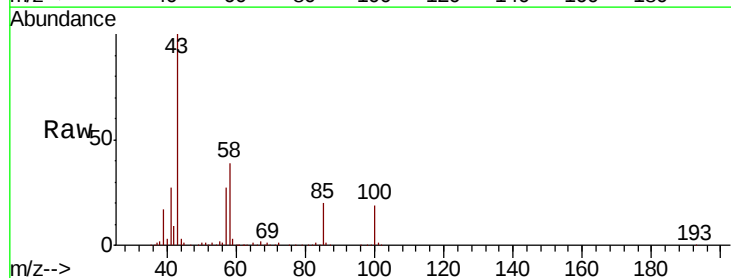
Instrument :
 MSVOA_V
 ClientSampleId :

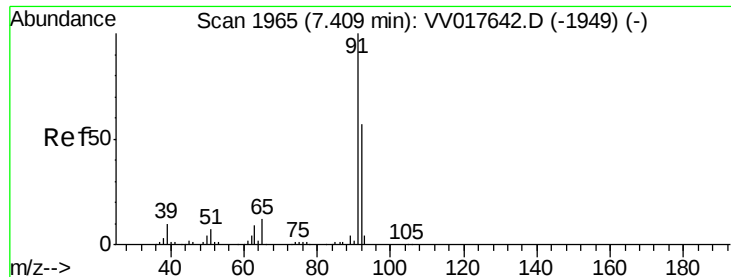
Tot Ion: 75 Resp: 80734
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 45.789 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV017651.D
 Acq: 24 Jul 2020 17:24

Tgt Ion: 43 Resp: 270416
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.2 46.8
 100 18.0 13.6 20.4





#42

Toluene

Concen: 5.188 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

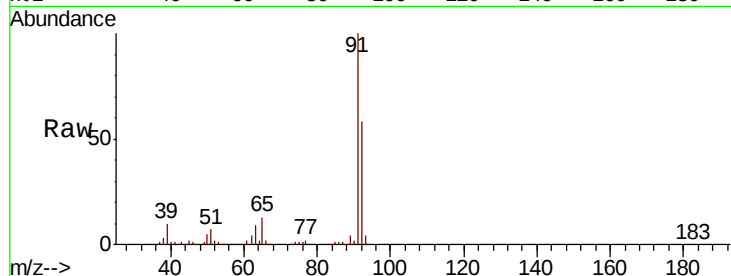
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 259395

Ion Ratio Lower Upper

91 100

92 57.9 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017642.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017642.D (-1949) (-)

7.41

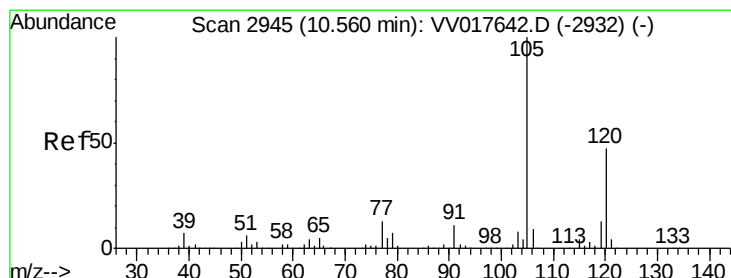
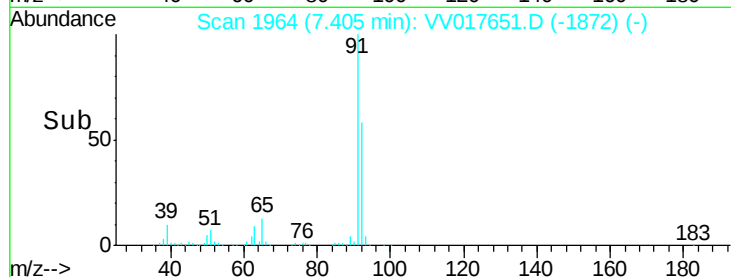
150000

100000

50000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#43

1,3,5-Trimethylbenzene

Concen: 5.413 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017651.D

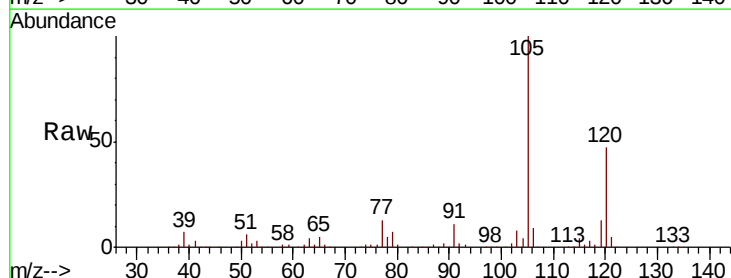
Acq: 24 Jul 2020 17:24

Tgt Ion: 105 Resp: 252694

Ion Ratio Lower Upper

105 100

120 48.3 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): VV017642.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017642.D (-2932) (-)

10.56

200000

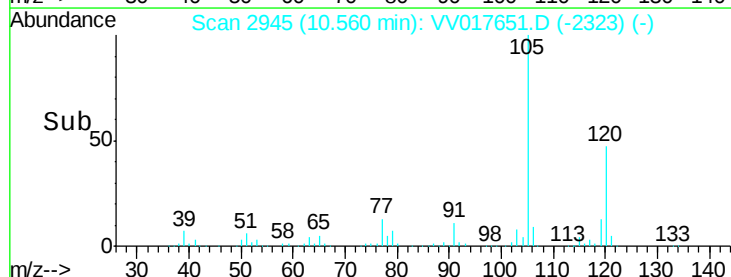
150000

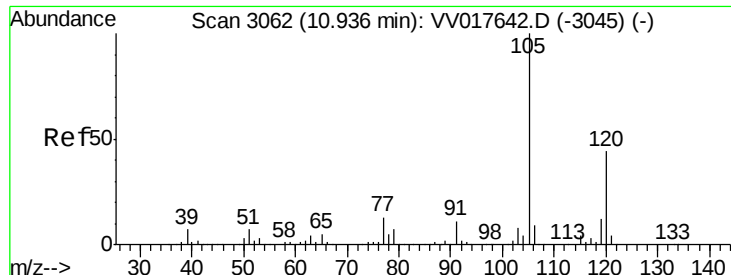
100000

50000

0

Time--> 10.50 10.55 10.60

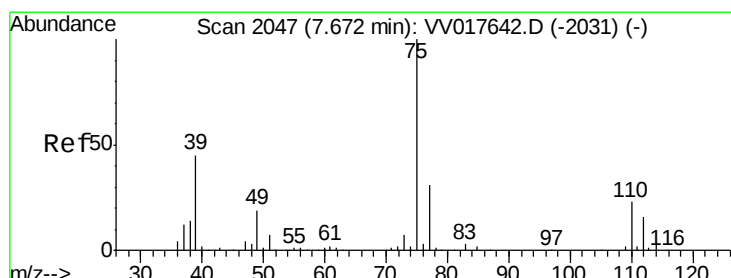
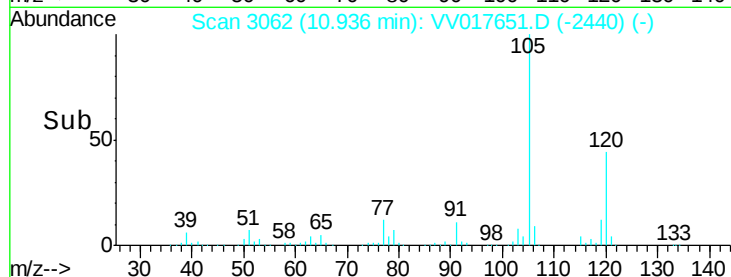
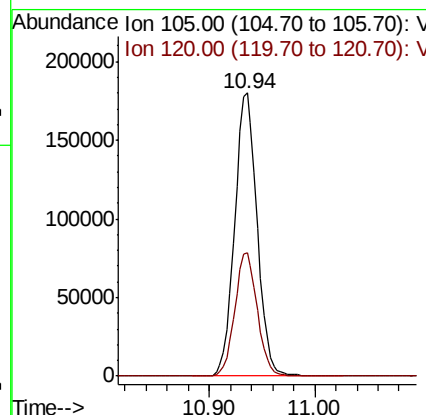
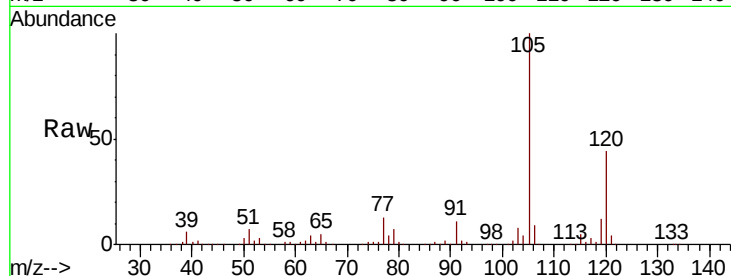




#44
 1,2,4-Trimethylbenzene
 Concen: 5.537 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017651.D
 Acq: 24 Jul 2020 17:24

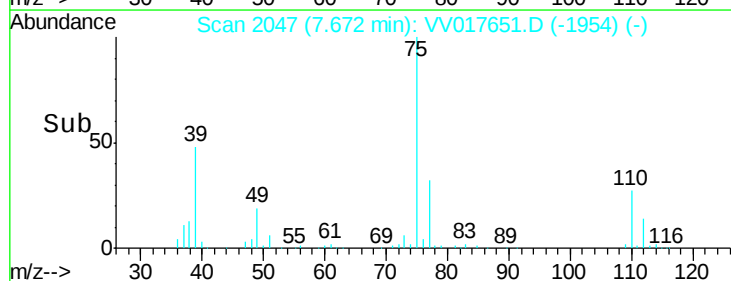
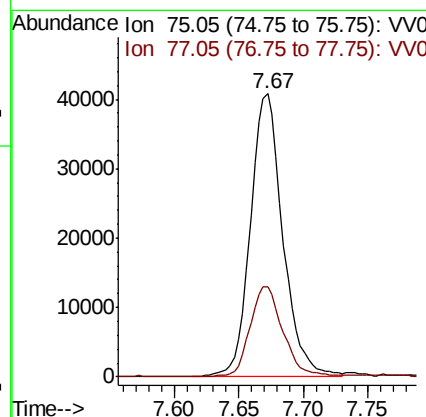
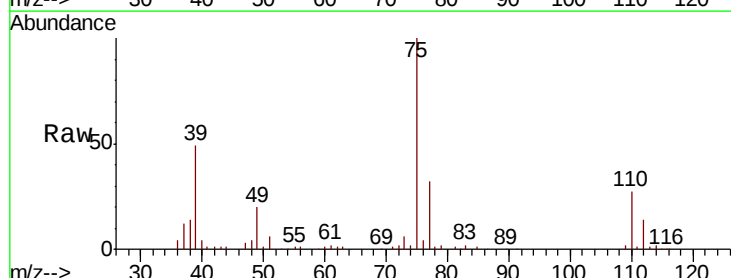
Instrument :
 MSVOA_V
 ClientSampleId :

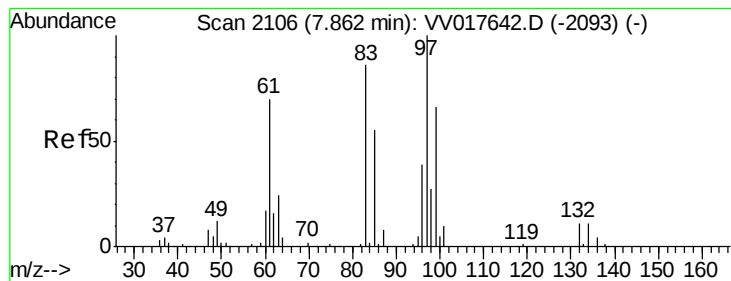
Tot Ion:105 Resp: 264081
 Ion Ratio Lower Upper
 105 100
 120 43.7 35.9 53.9



#46
 trans-1,3-Dichloropropene
 Concen: 4.913 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV017651.D
 Acq: 24 Jul 2020 17:24

Tgt Ion: 75 Resp: 71660
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.5 41.7





#47

1,1,2-Trichloroethane

Concen: 4.925 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 40232

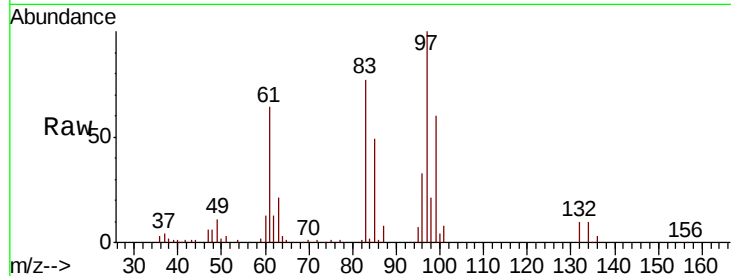
Ion Ratio Lower Upper

97 100

99 60.0 39.5 73.4

83 76.8 52.6 97.6

85 48.9 35.1 65.1

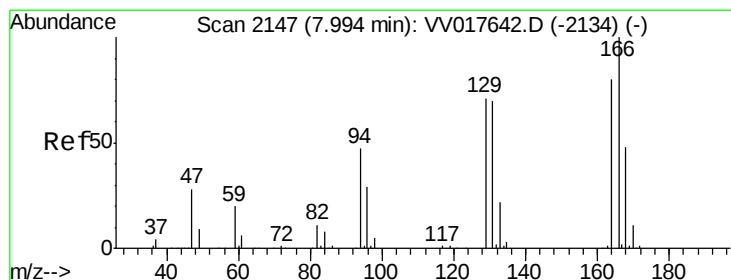
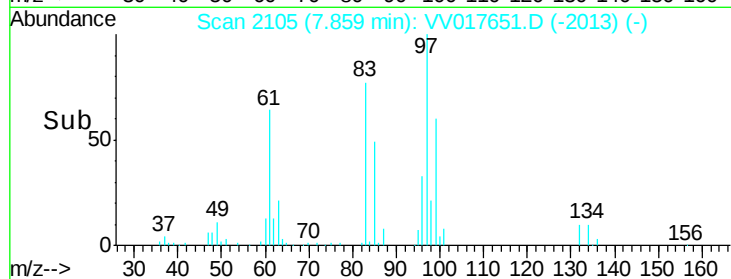
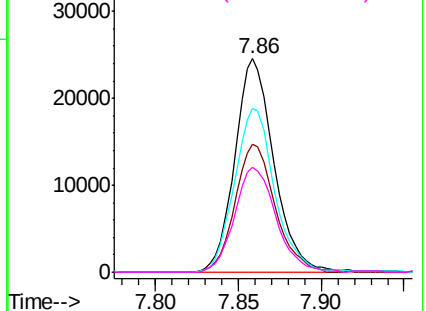


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#49

Tetrachloroethene

Concen: 4.983 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

Tgt Ion: 164 Resp: 56246

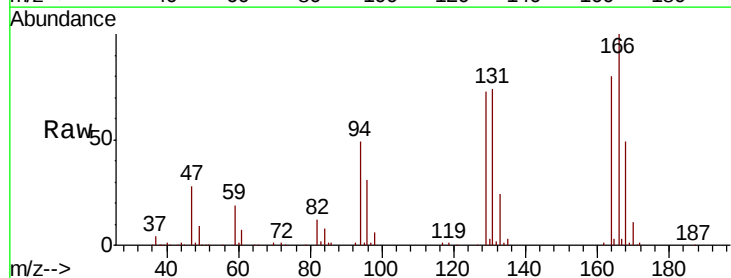
Ion Ratio Lower Upper

164 100

129 91.5 65.0 120.8

131 92.5 63.6 118.2

166 125.6 91.7 170.3

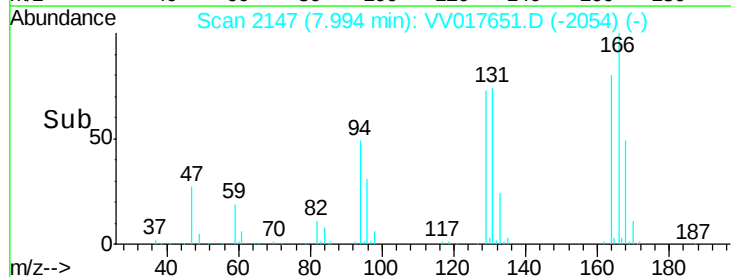
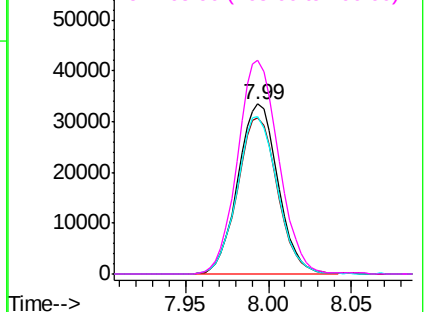


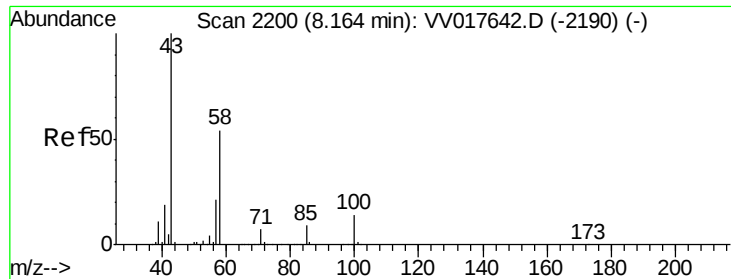
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

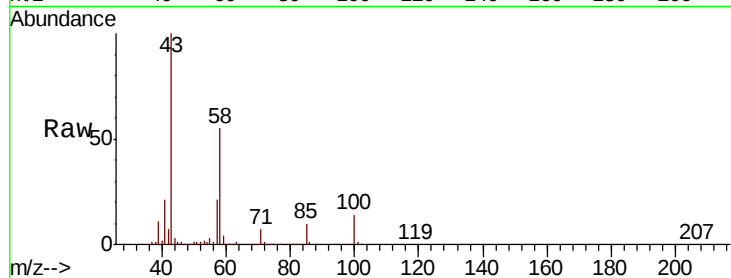




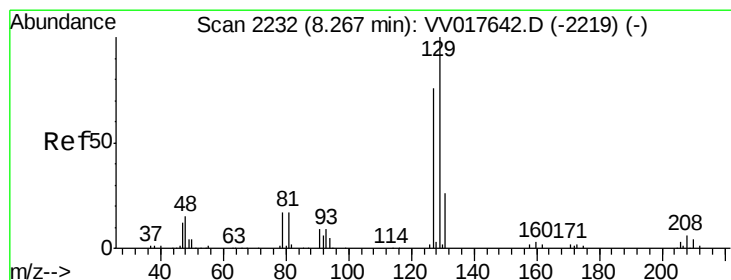
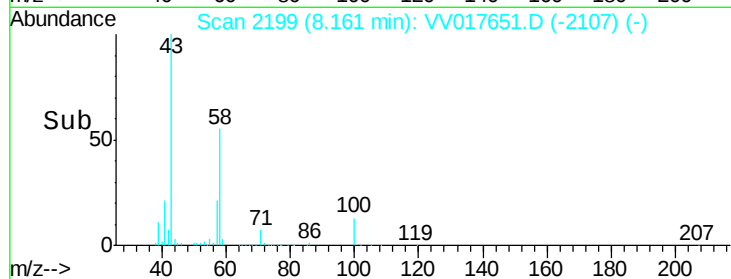
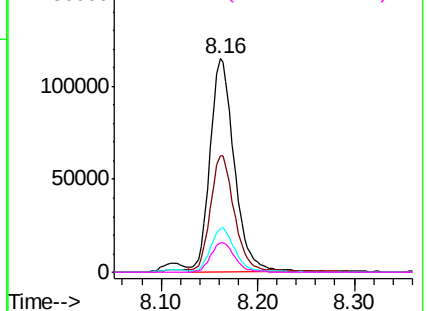
#50
2-Hexanone
Concen: 47.934 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017651.D
Acq: 24 Jul 2020 17:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 200304
Ion Ratio Lower Upper
43 100
58 53.9 41.6 62.4
57 20.5 15.4 23.0
100 13.5 11.2 16.8

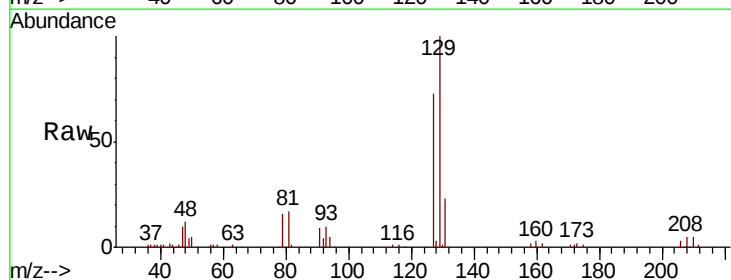


Abundance Ion 43.05 (42.75 to 43.75): VV017651.D (-2190) (-)
Ion 58.05 (57.75 to 58.75): VV017651.D (-2190) (-)
Ion 57.20 (56.90 to 57.90): VV017651.D (-2190) (-)
Ion 100.15 (99.85 to 100.85): VV017651.D (-2190) (-)

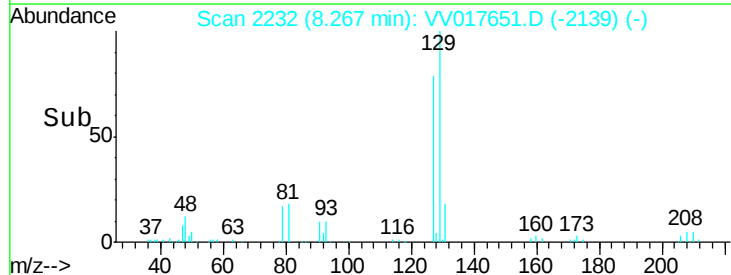
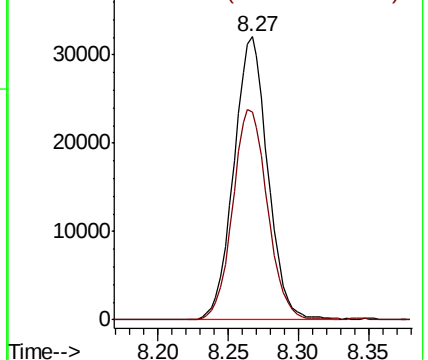


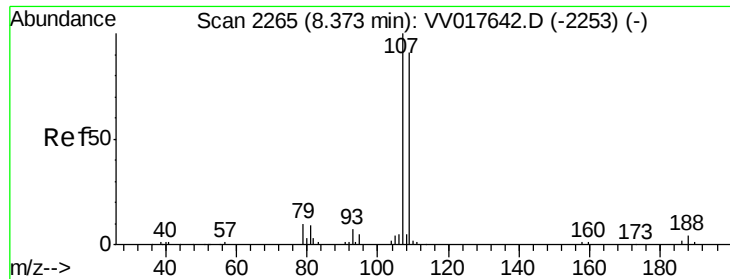
#51
Dibromochloromethane
Concen: 5.207 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017651.D
Acq: 24 Jul 2020 17:24

Tgt Ion: 129 Resp: 54136
Ion Ratio Lower Upper
129 100
127 73.4 56.3 104.5



Abundance Ion 128.95 (128.65 to 129.65): VV017651.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV017651.D (-2139) (-)





#52

1,2-Dibromoethane

Concen: 4.880 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

Instrument :
MSVOA_V
ClientSampleId :

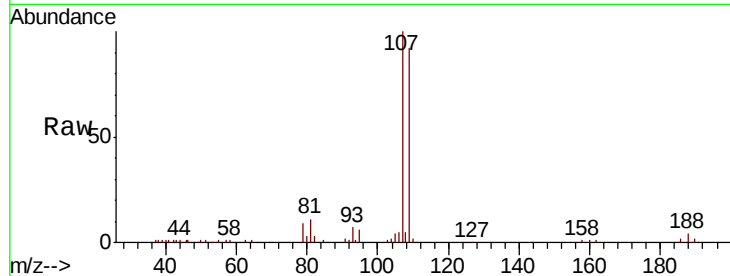
Tot Ion:107 Resp: 37620

Ion Ratio Lower Upper

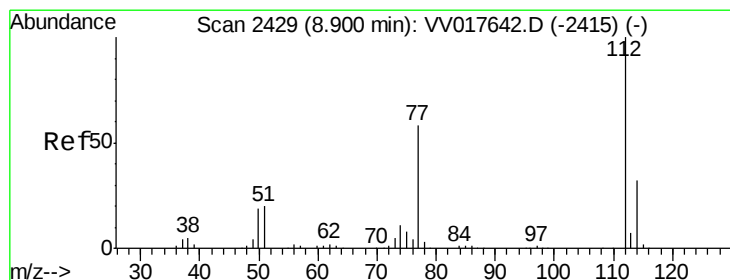
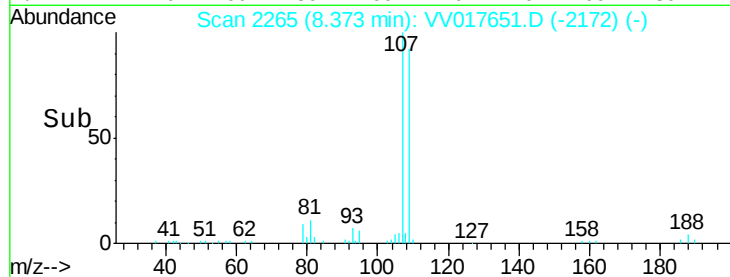
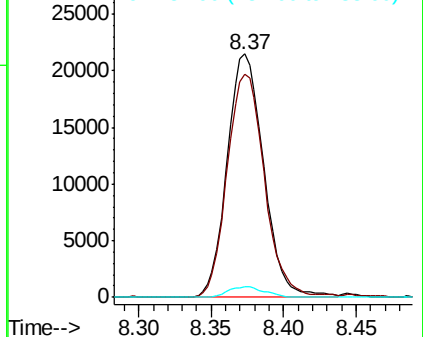
107 100

109 91.9 65.5 121.7

188 4.5 3.7 5.5



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.079 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

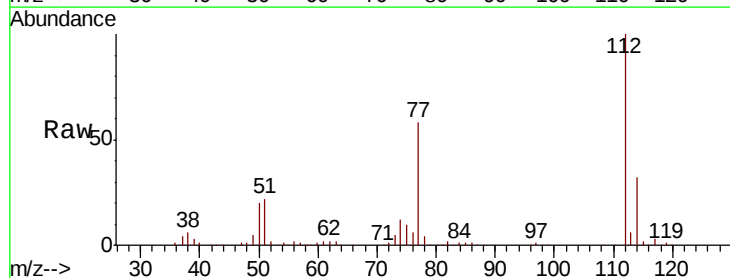
Tgt Ion:112 Resp: 169316

Ion Ratio Lower Upper

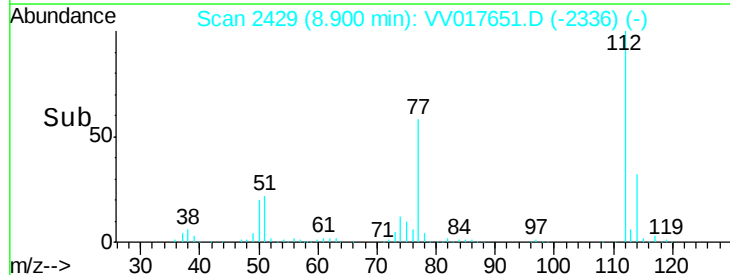
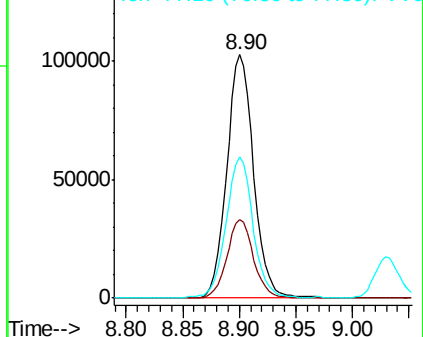
112 100

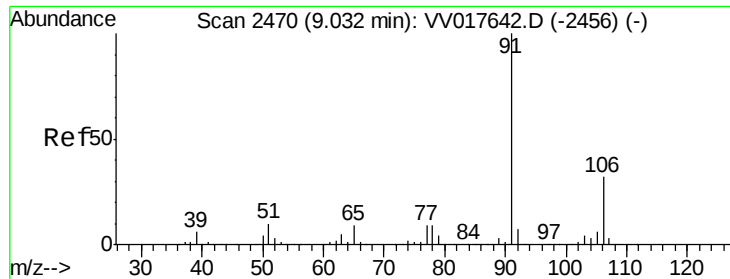
114 32.4 23.2 43.2

77 57.8 45.6 68.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 5.225 ug/L

RT: 9.03 min Scan# 2469

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

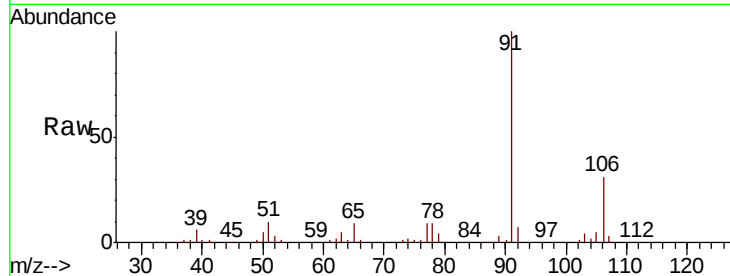
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 292487

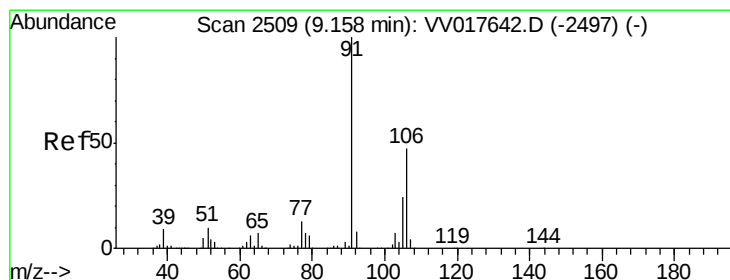
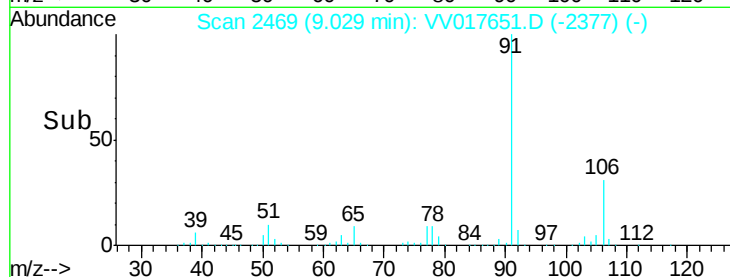
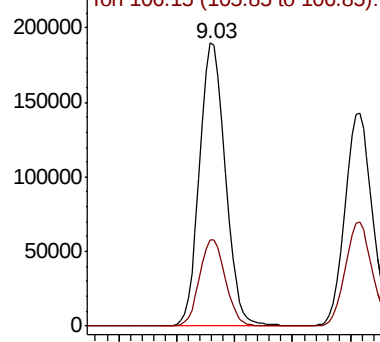
Ion Ratio Lower Upper

91 100

106 30.5 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV017651.D (-2377) (-)



#55

m,p-xylene

Concen: 5.422 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017651.D

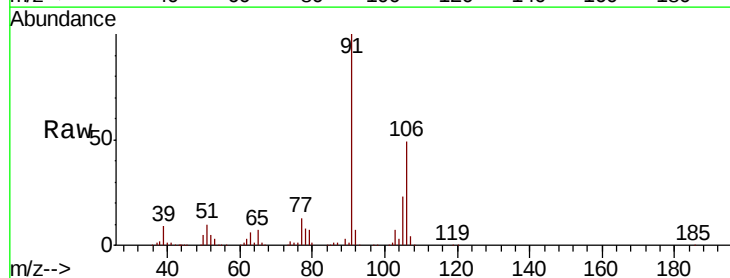
Acq: 24 Jul 2020 17:24

Tgt Ion: 106 Resp: 114312

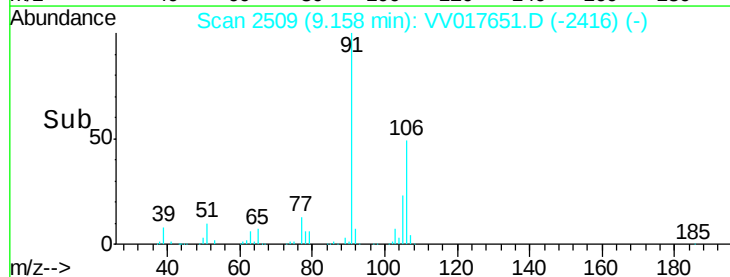
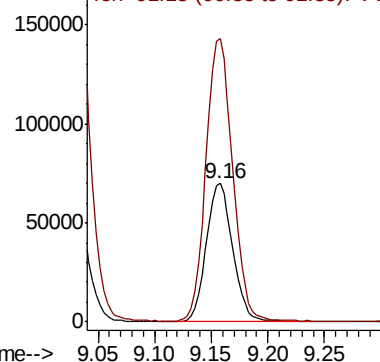
Ion Ratio Lower Upper

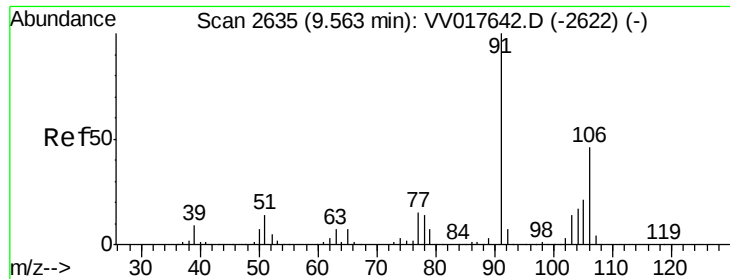
106 100

91 204.5 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): VV017651.D (-2416) (-)

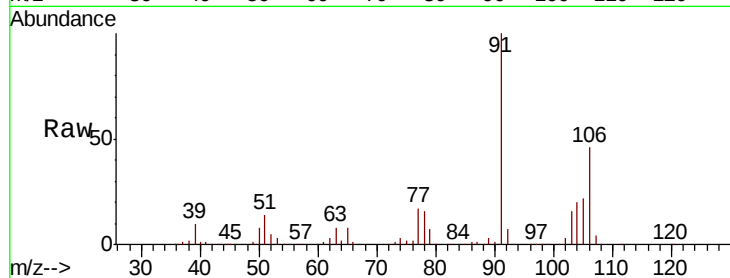




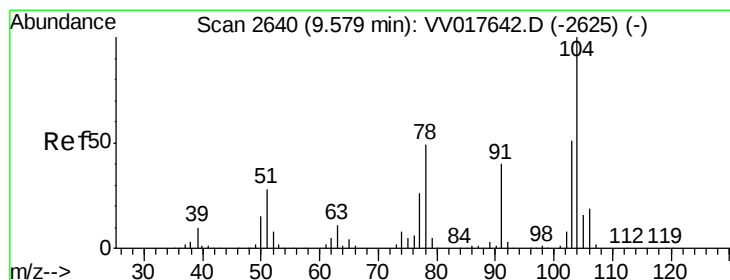
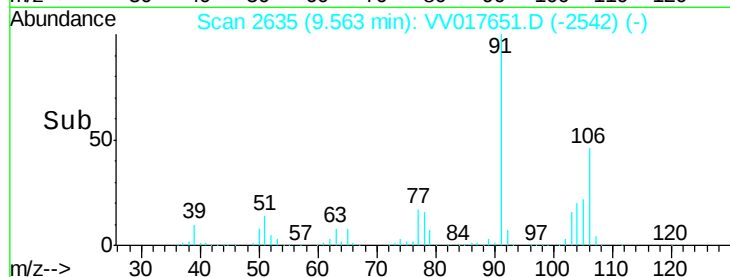
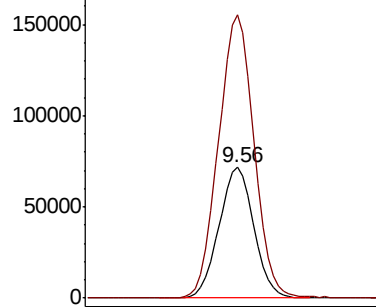
#56
o-xylene
Concen: 5.234 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017651.D
Acq: 24 Jul 2020 17:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 107086
Ion Ratio Lower Upper
106 100
91 216.2 153.9 285.7

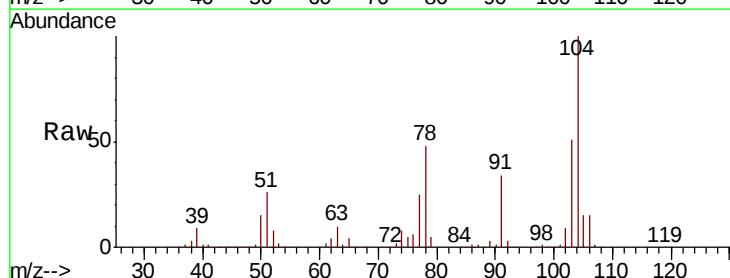


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

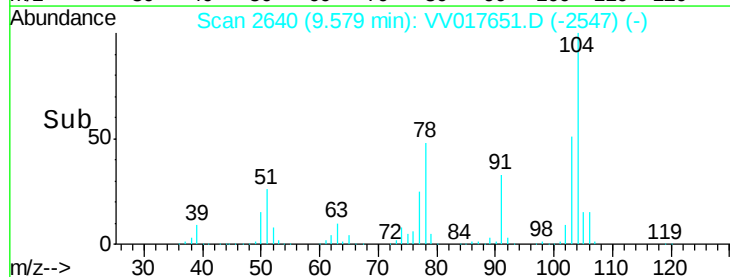
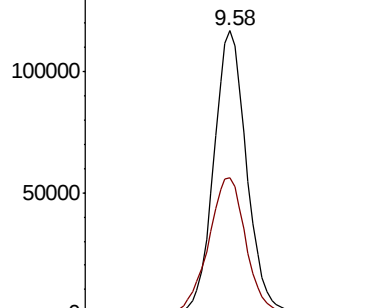


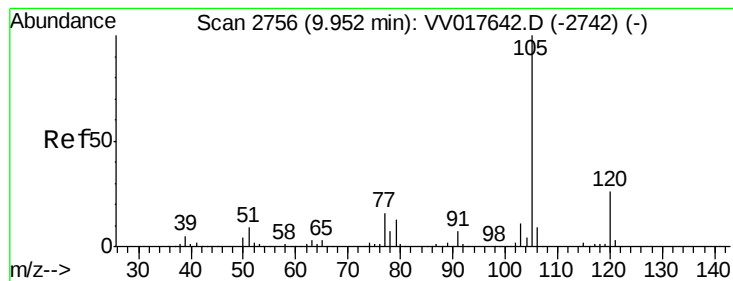
#57
Styrene
Concen: 5.404 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017651.D
Acq: 24 Jul 2020 17:24

Tgt Ion:104 Resp: 184473
Ion Ratio Lower Upper
104 100
78 48.1 34.0 63.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.313 ug/L

RT: 9.95 min Scan# 2756

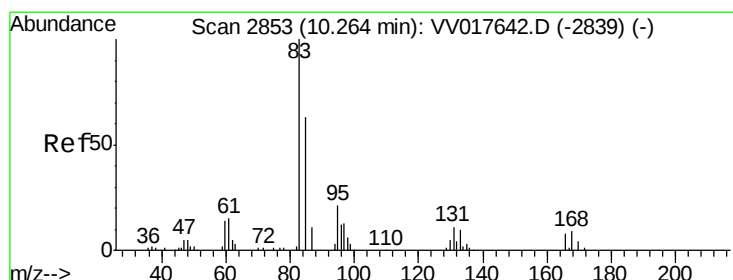
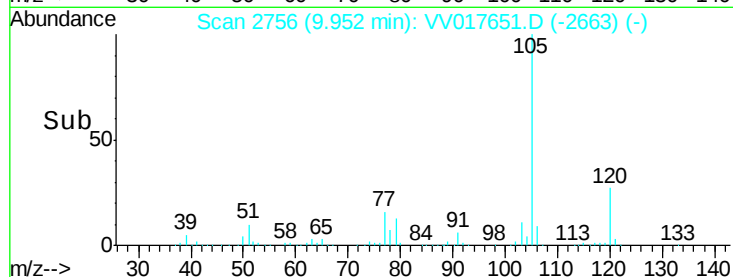
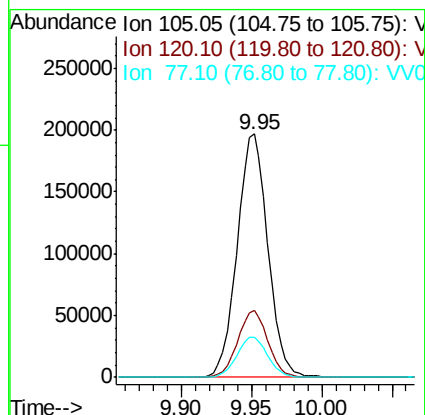
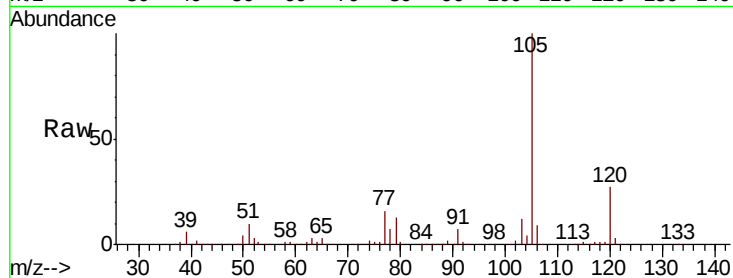
Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	299857
Ion Ratio	Lower	Upper	
105	100		
120	27.0	21.1	31.7
77	16.7	13.0	19.6



#60

1,1,2,2-Tetrachloroethane

Concen: 4.696 ug/L

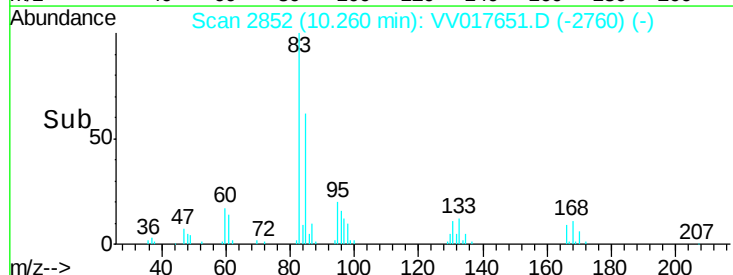
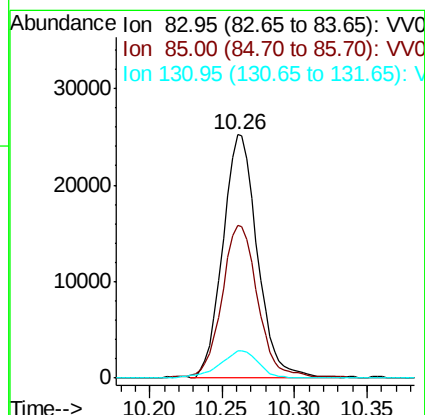
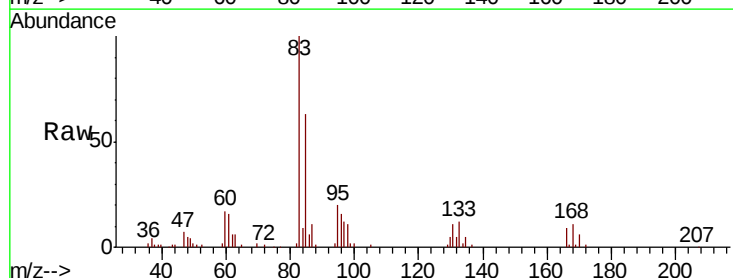
RT: 10.26 min Scan# 2852

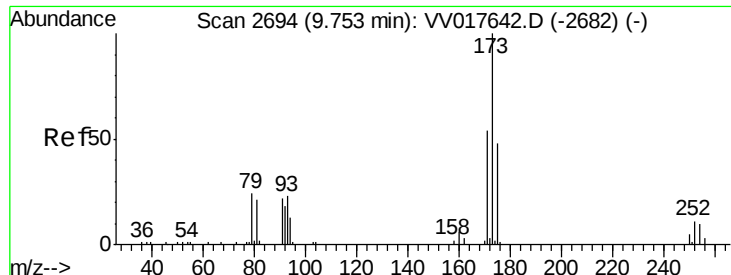
Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

Tgt Ion:	83	Resp:	41800
Ion Ratio	Lower	Upper	
83	100		
85	62.8	44.4	82.5
131	11.0	9.2	13.8





#62

Bromoform

Concen: 5.217 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

Instrument :
MSVOA_V
ClientSampleId :

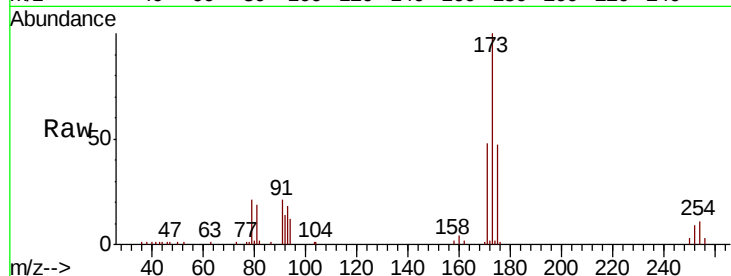
Tot Ion:173 Resp: 30700

Ion Ratio Lower Upper

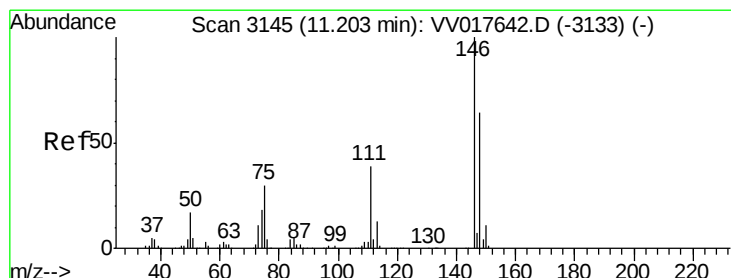
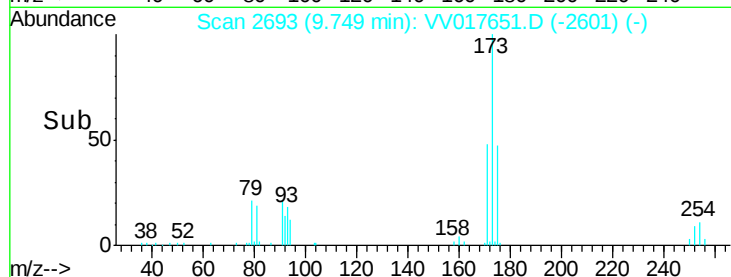
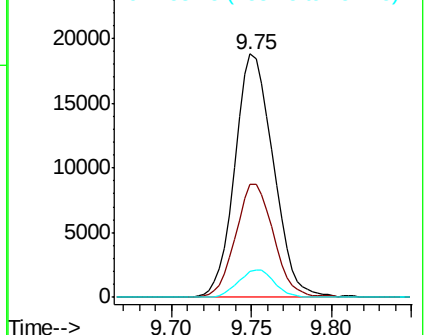
173 100

175 45.7 39.6 59.4

254 10.4 8.4 12.6



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.045 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

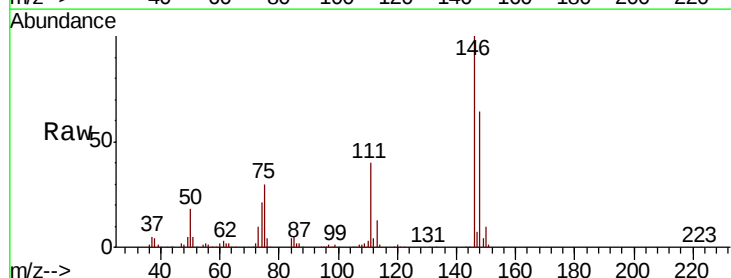
Tgt Ion:146 Resp: 149361

Ion Ratio Lower Upper

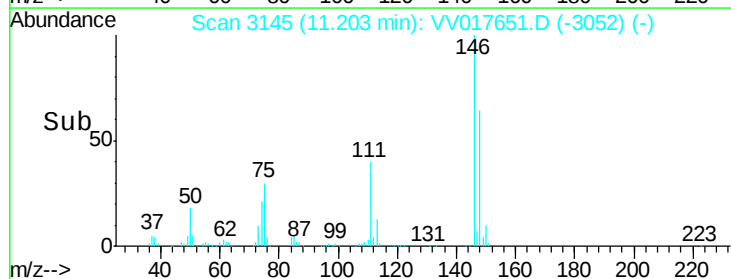
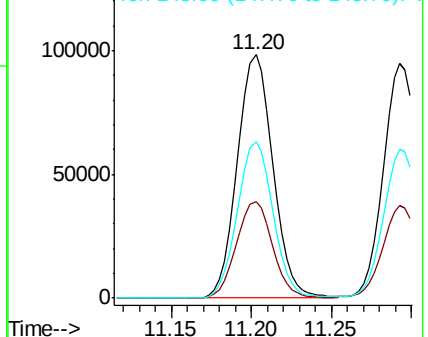
146 100

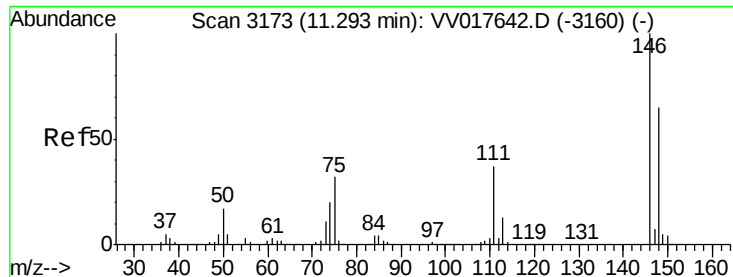
111 39.8 27.3 50.7

148 64.3 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 5.041 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

Instrument :

MSVOA_V

ClientSampled :

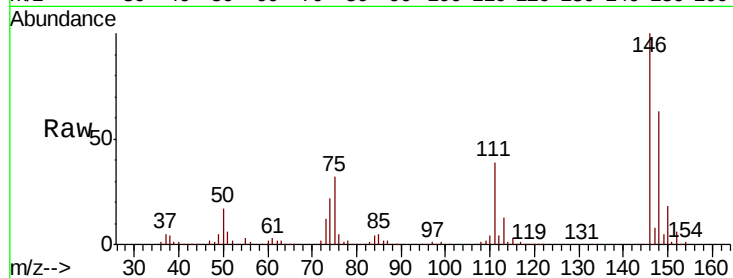
Tot Ion:146 Resp: 149762

Ion Ratio Lower Upper

146 100

111 39.5 27.4 51.0

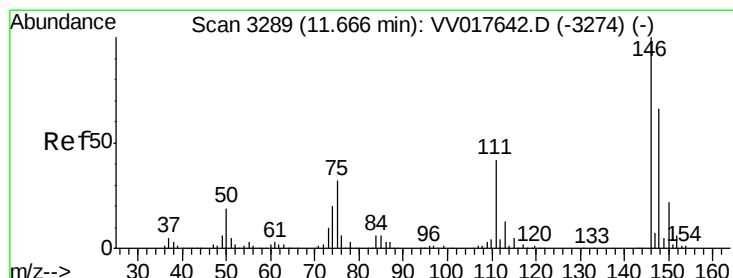
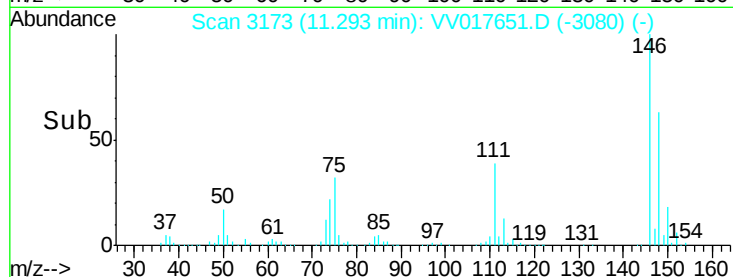
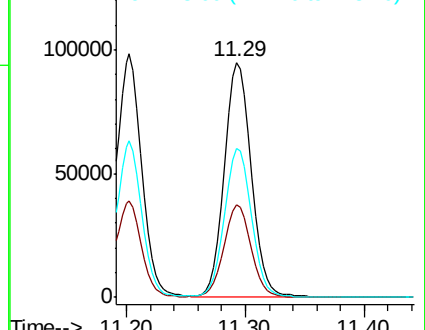
148 63.2 43.8 81.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 4.974 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017651.D

Acq: 24 Jul 2020 17:24

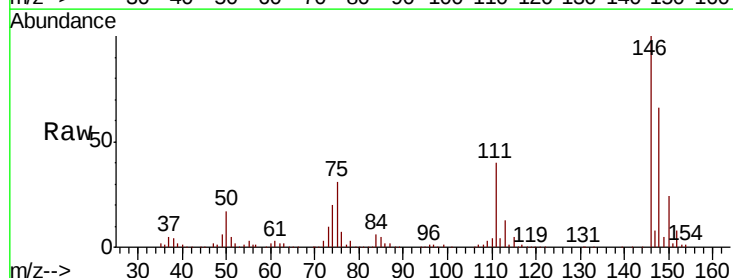
Tgt Ion:146 Resp: 134135

Ion Ratio Lower Upper

146 100

111 40.4 33.0 49.4

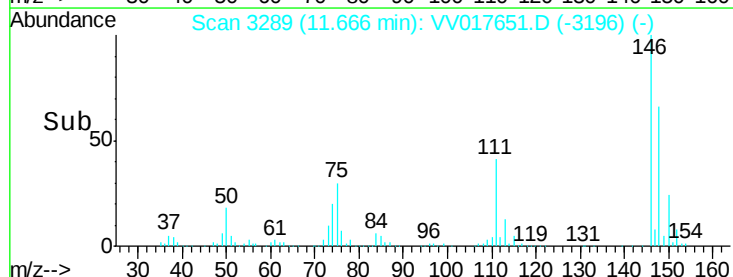
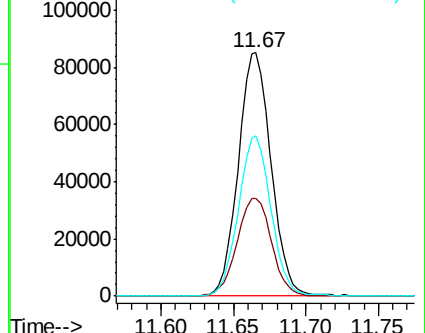
148 65.9 49.9 74.9

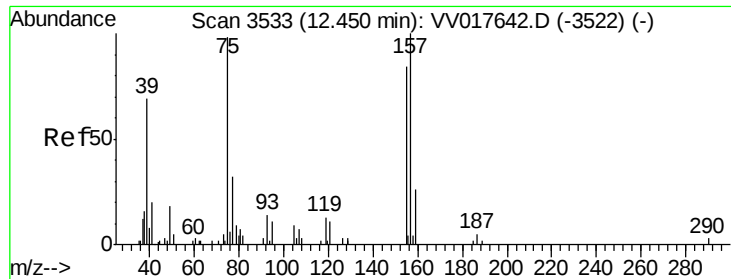


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

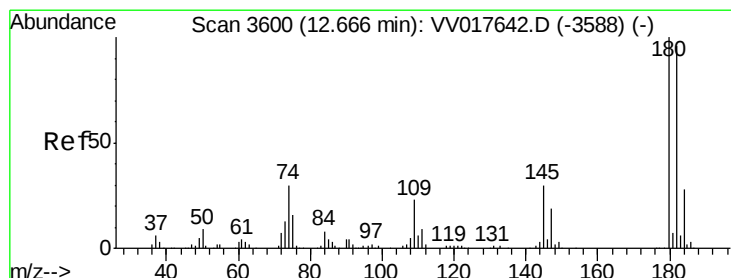
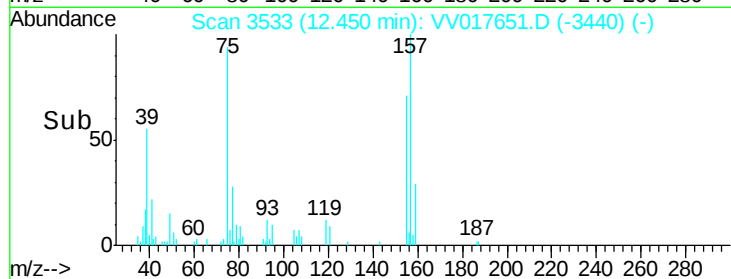
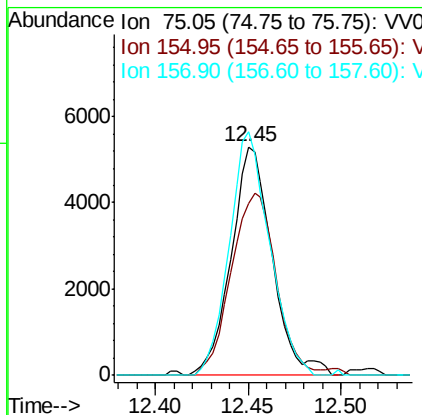
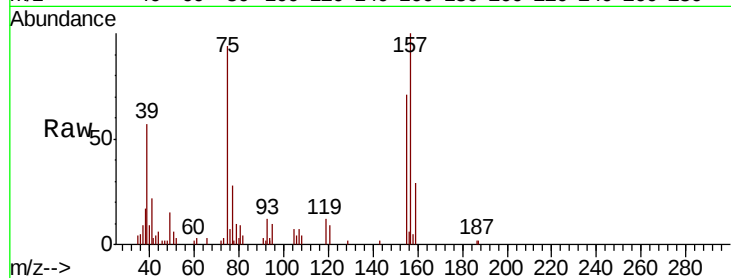




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.816 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017651.D
 Acq: 24 Jul 2020 17:24

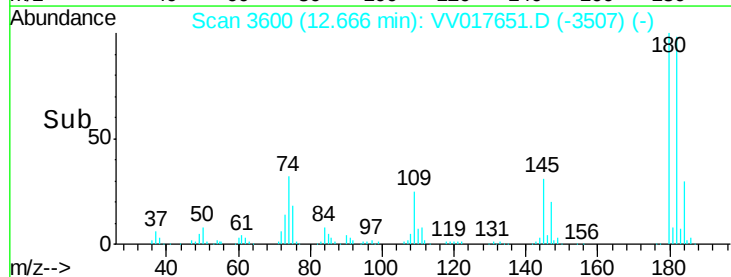
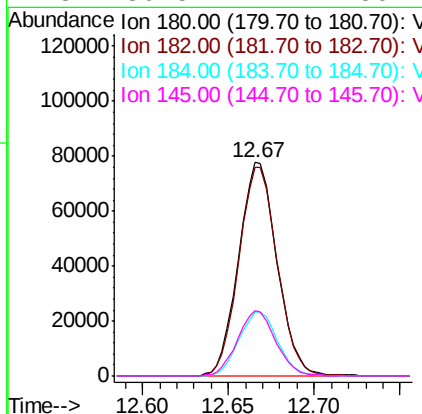
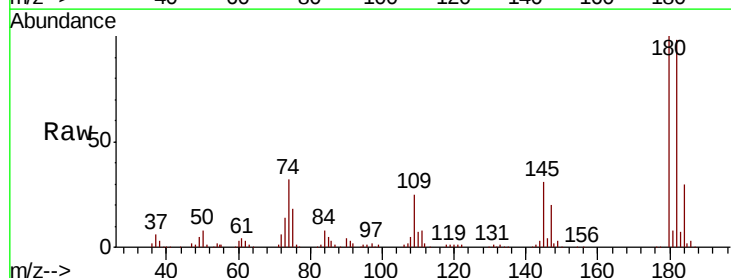
Instrument :
 MSVOA_V
 ClientSampleId :

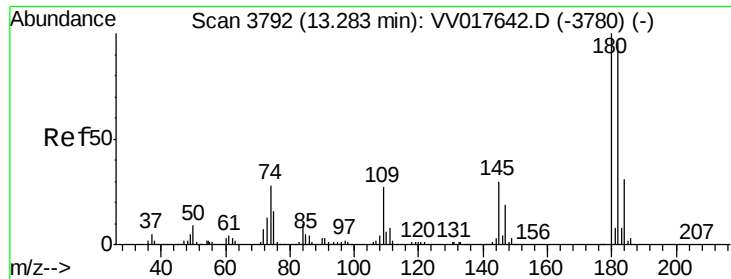
Tot Ion: 75 Resp: 8121
 Ion Ratio Lower Upper
 75 100
 155 75.2 68.7 103.1
 157 106.4 87.8 131.8



#68
 1,3,5-Trichlorobenzene
 Concen: 5.006 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017651.D
 Acq: 24 Jul 2020 17:24

Tgt Ion: 180 Resp: 120393
 Ion Ratio Lower Upper
 180 100
 182 98.1 77.1 115.7
 184 30.5 25.2 37.8
 145 30.5 24.1 36.1

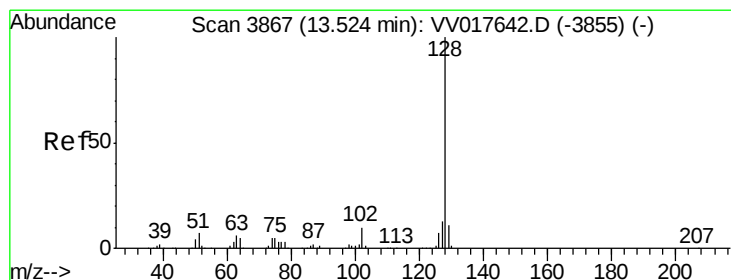
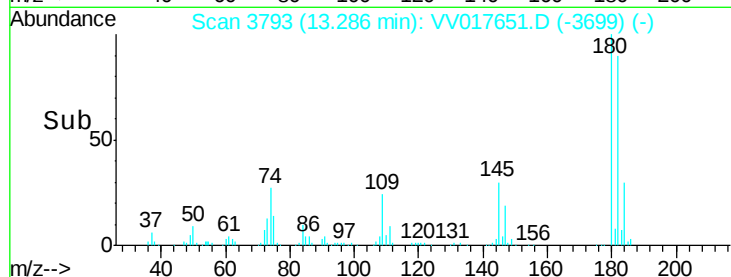
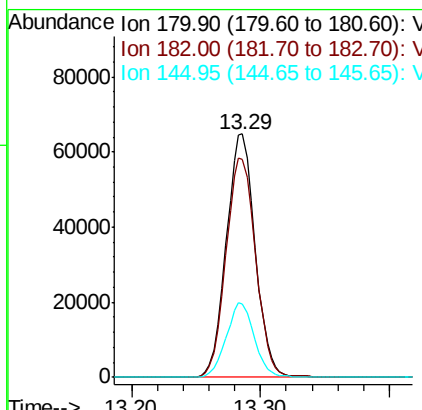
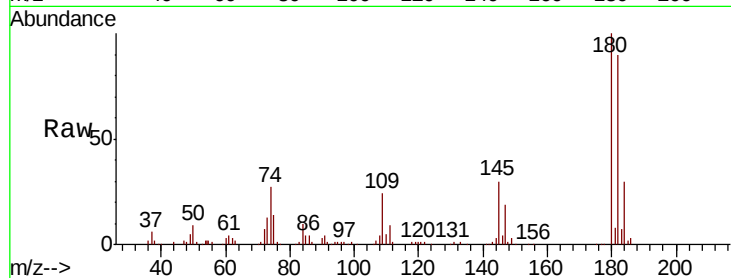




#69
 1,2,4-trichlorobenzene
 Concen: 4.987 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017651.D
 Acq: 24 Jul 2020 17:24

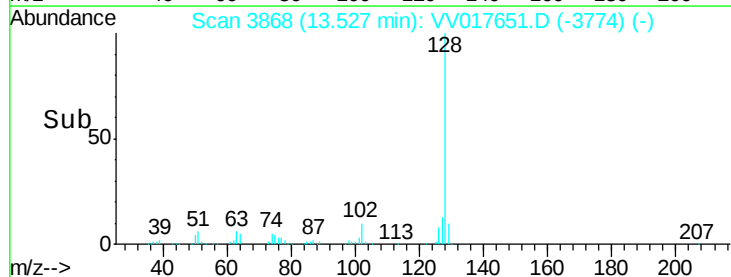
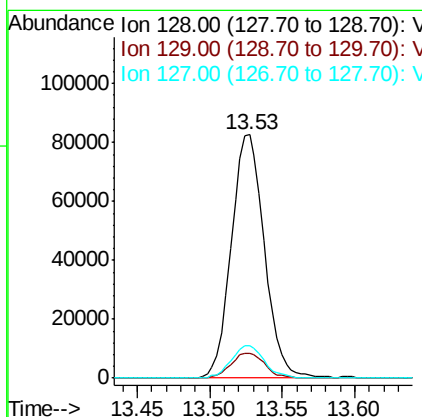
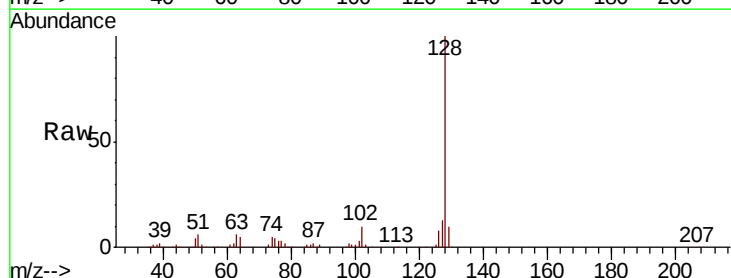
Instrument :
 MSVOA_V
 ClientSampled :

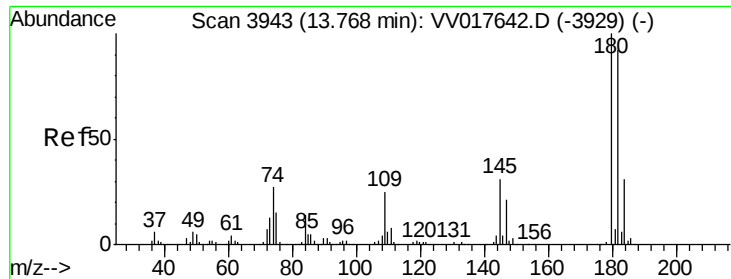
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	75.4	113.2
145	30.0	24.2	36.2



#70
 Naphthalene
 Concen: 4.662 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017651.D
 Acq: 24 Jul 2020 17:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.1	13.7
127	13.2	11.0	16.6

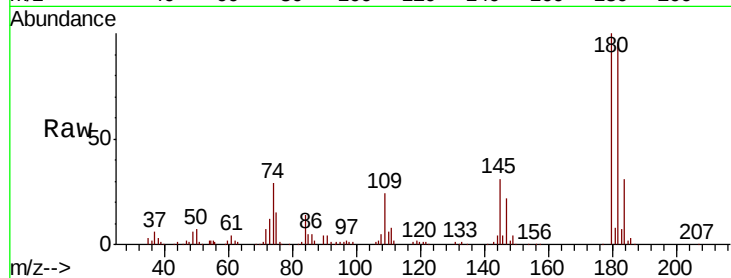




#71
 1,2,3-Trichlorobenzene
 Concen: 4.886 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV017651.D
 Acq: 24 Jul 2020 17:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	87088
Ion	Ratio	Lower	Upper
180	100		
182	96.2	74.2	111.4
145	30.3	26.0	39.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

