

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092420\
 Data File : VV018417.D
 Acq On : 24 Sep 2020 10:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 25 04:37:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 23 16:54:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	327808	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	319285	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	178365	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	121029	45.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.60%
7) Chloroethane-d5	1.58	69	95473	43.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.34%
11) 1,1-Dichloroethene-d2	2.12	63	214590	43.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.58%
21) 2-Butanone-d5	3.92	46	140814	86.12	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.12%
24) Chloroform-d	4.38	84	203544	43.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.82%
26) 1,2-Dichloroethane-d4	5.06	65	127570	42.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.88%
32) Benzene-d6	5.08	84	406798	44.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.02%
36) 1,2-Dichloropropane-d6	6.09	67	127008	43.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.46%
41) Toluene-d8	7.34	98	381936	45.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.70%
43) trans-1,3-Dichloropropene-	7.64	79	67038	45.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.84%
47) 2-Hexanone-d5	8.11	63	97582	88.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.70%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	160922	44.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	158138	43.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	97429	40.760	ug/L 99
3) Chloromethane	1.25	50	107382	41.141	ug/L 100
5) Vinyl chloride	1.32	62	111539	41.673	ug/L 100
6) Bromomethane	1.53	94	72057	44.046	ug/L 100
8) Chloroethane	1.60	64	72376	43.166	ug/L 100
9) Trichlorofluoromethane	1.77	101	160523	43.589	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	99491	44.977	ug/L 99
12) 1,1-Dichloroethene	2.13	96	92986	43.202	ug/L 92
13) Acetone	2.21	43	137644	105.122	ug/L 99
14) Carbon disulfide	2.31	76	265120	40.254	ug/L 99
15) Methyl Acetate	2.45	43	101397	43.091	ug/L 98
16) Methylene chloride	2.52	84	104478	43.282	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	95920	43.243	ug/L 100
18) Methyl tert-butyl Ether	2.79	73	307861	44.867	ug/L 99
19) 1,1-Dichloroethane	3.21	63	183858	43.839	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	106192	44.784	ug/L 99
22) 2-Butanone	4.01	43	156143	100.706	ug/L 98

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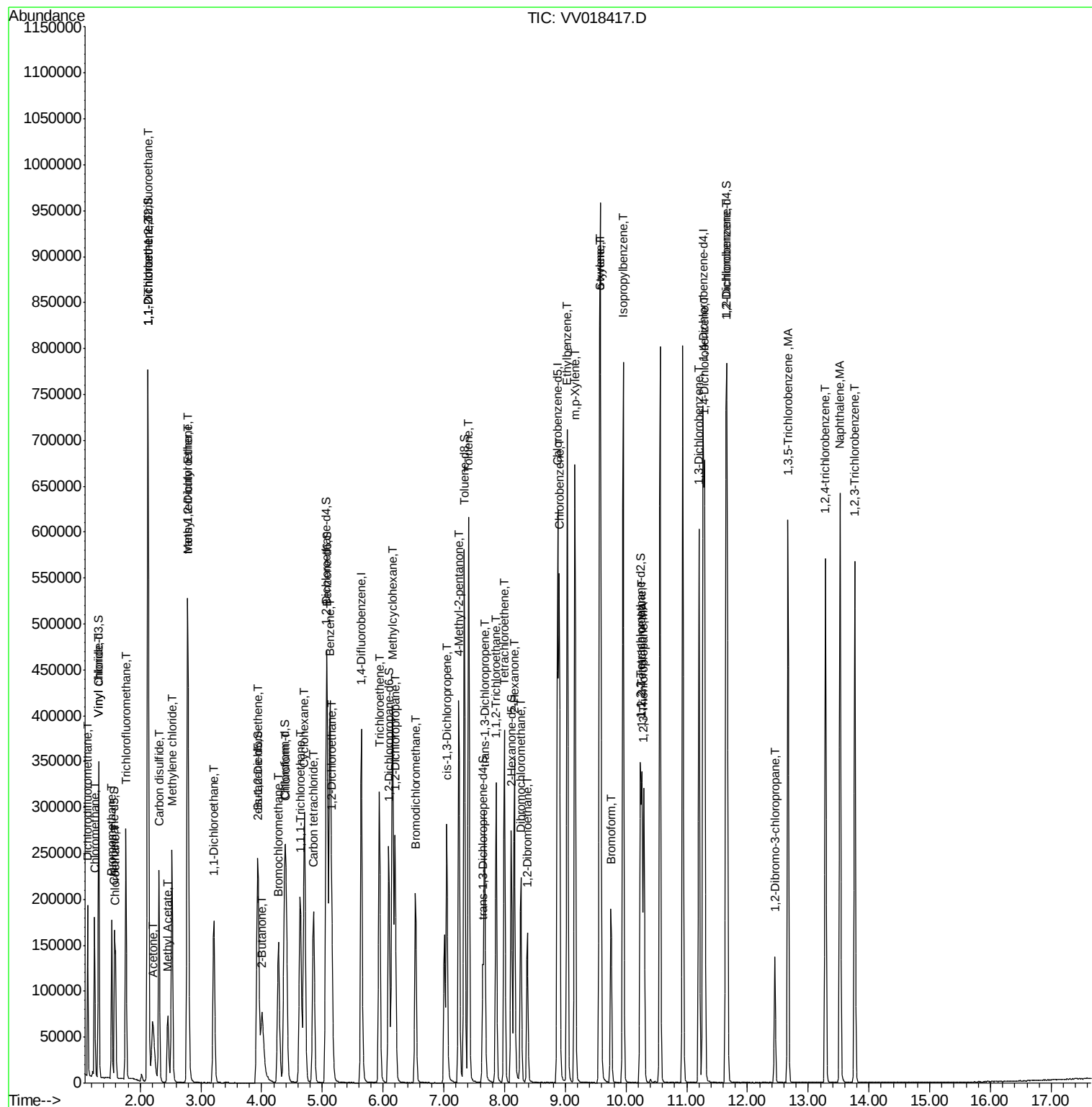
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	55426	44.676	ug/L	100
25) Chloroform	4.40	83	186451	43.736	ug/L	98
27) 1,2-Dichloroethane	5.16	62	144153	43.679	ug/L	98
29) Cyclohexane	4.70	56	167644	45.470	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	165356	44.625	ug/L	100
31) Carbon tetrachloride	4.86	117	143385	44.007	ug/L	99
33) Benzene	5.13	78	407285	44.616	ug/L	100
34) Trichloroethene	5.94	95	111421	44.805	ug/L	98
35) Methylcyclohexane	6.15	83	172009	45.940	ug/L	100
37) 1,2-Dichloropropane	6.20	63	108622	44.904	ug/L	100
38) Bromodichloromethane	6.53	83	139740	44.391	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	170930	45.861	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	269567	91.857	ug/L	99
42) Toluene	7.41	91	442271	45.781	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	167307	46.104	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	100930	45.016	ug/L	99
46) Tetrachloroethene	8.00	164	88907	45.598	ug/L	99
48) 2-Hexanone	8.16	43	224544	97.053	ug/L	99
49) Dibromochloromethane	8.27	129	115290	45.810	ug/L	97
50) 1,2-Dibromoethane	8.37	107	106705	45.219	ug/L	97
51) Chlorobenzene	8.90	112	283580	45.200	ug/L	100
52) Ethylbenzene	9.03	91	489590	46.419	ug/L	100
53) m,p-Xylene	9.16	106	185604	47.147	ug/L	96
54) o-xylene	9.56	106	179247	47.262	ug/L	100
55) Styrene	9.58	104	315734	47.896	ug/L	99
56) Isopropylbenzene	9.95	105	489464	47.886	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	153022	46.138	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	128873	45.295	ug/L	100
61) Bromoform	9.75	173	85111	44.418	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	241751	45.581	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	247857	45.465	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	239698	44.712	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33617	44.437	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	193688	46.323	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	178379	47.907	ug/L	99
69) Naphthalene	13.52	128	489326	51.937	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	179339	48.902	ug/L	100

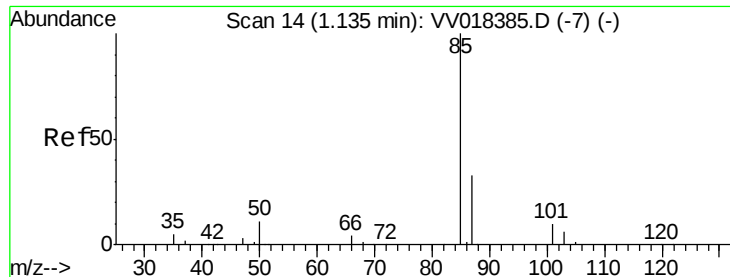
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 40.760 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

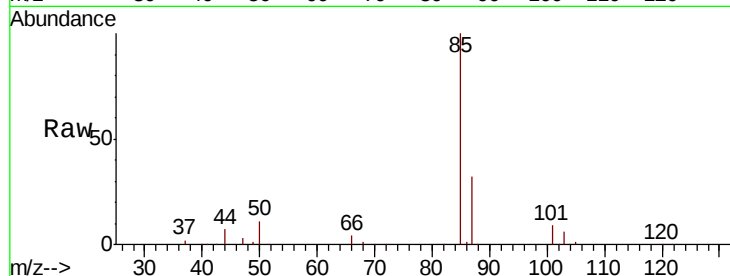
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 97429

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV018385.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018385.D (-7) (-)

1.14

120000

100000

80000

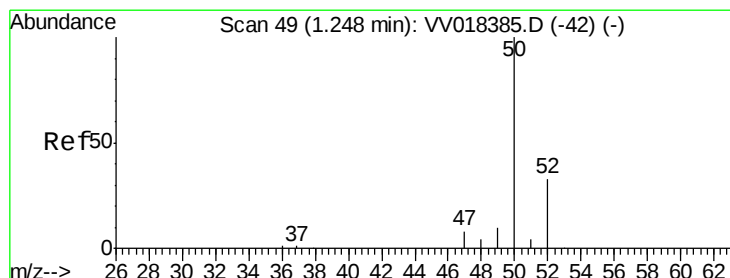
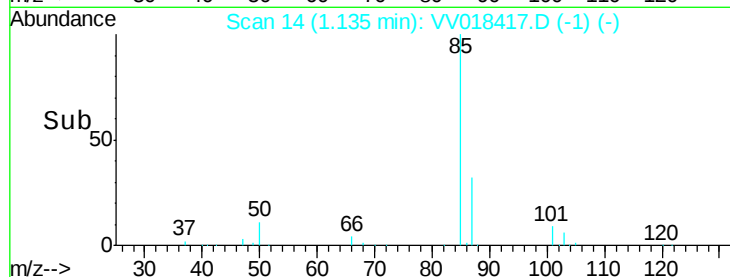
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 41.141 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018417.D

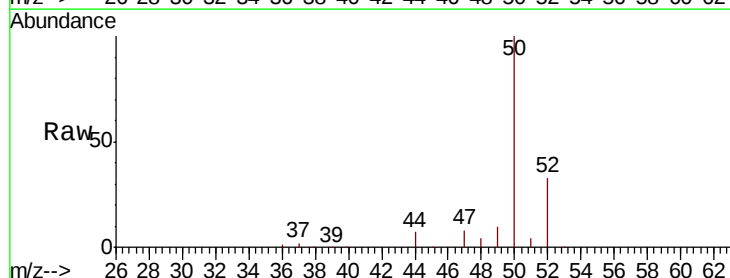
Acq: 24 Sep 2020 10:27

Tgt Ion: 50 Resp: 107382

Ion Ratio Lower Upper

50 100

52 32.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV018385.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018385.D (-42) (-)

1.25

120000

100000

80000

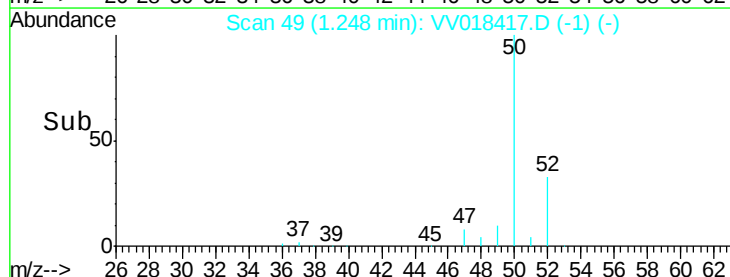
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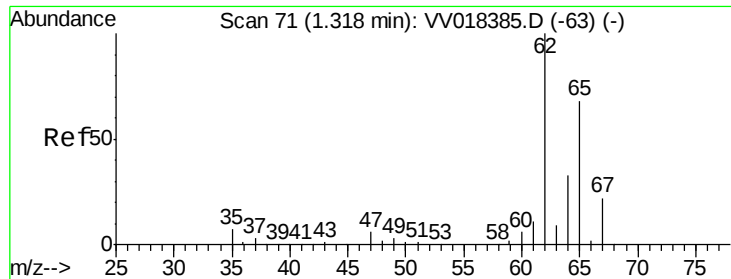
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 41.673 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

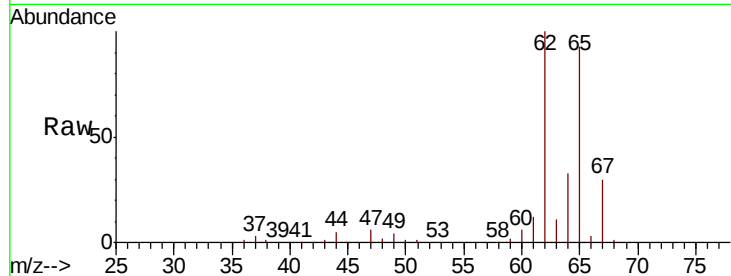
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 111539

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

100000

80000

60000

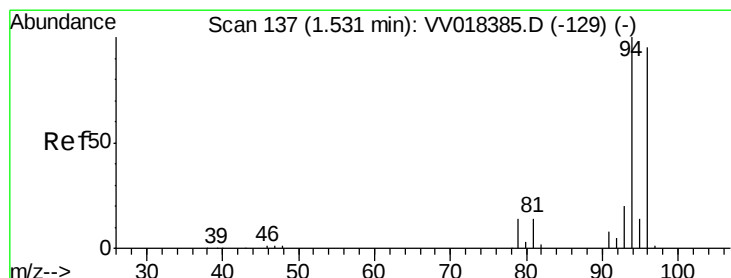
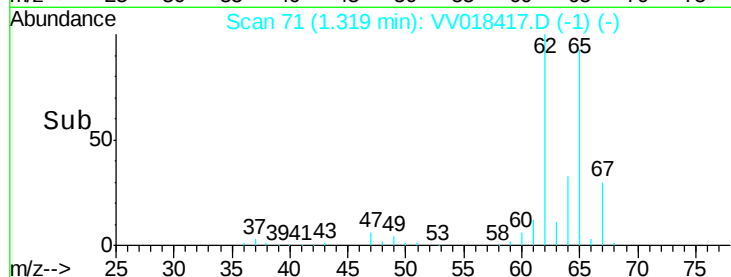
40000

20000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 44.046 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018417.D

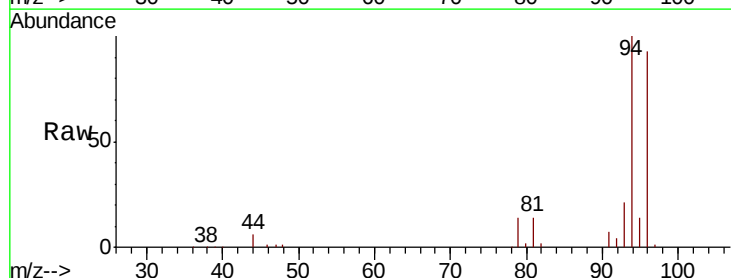
Acq: 24 Sep 2020 10:27

Tgt Ion: 94 Resp: 72057

Ion Ratio Lower Upper

94 100

96 93.1 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

60000

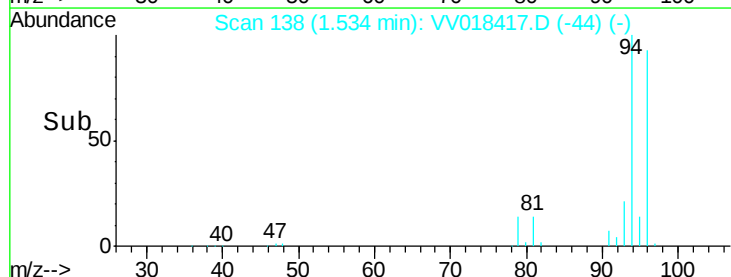
40000

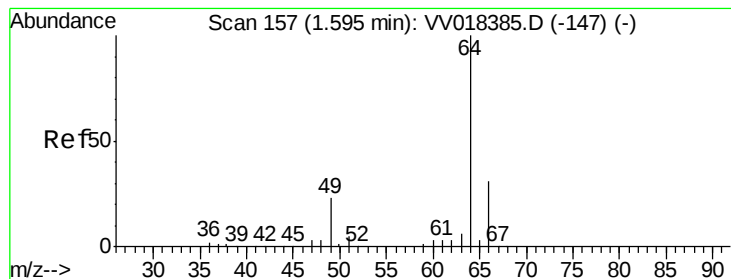
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 43.166 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Instrument :

MSVOA_V

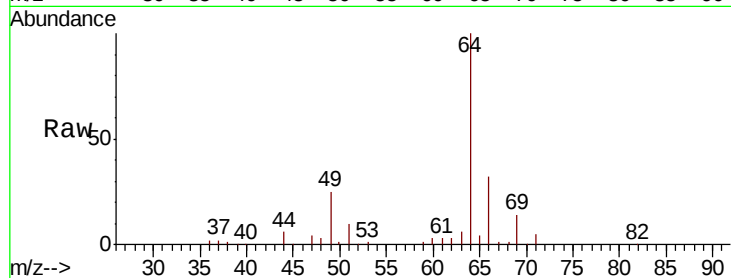
ClientSampleId :

Tot Ion: 64 Resp: 72376

Ion Ratio Lower Upper

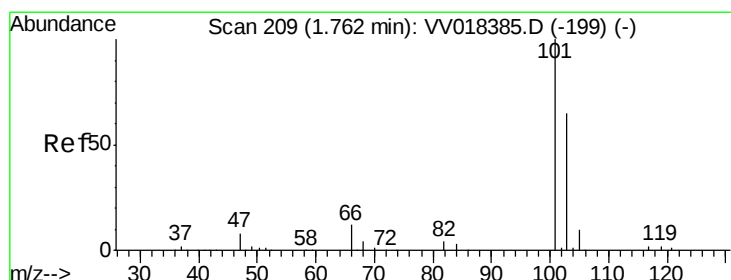
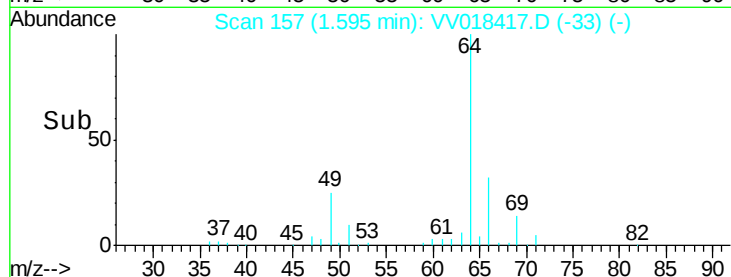
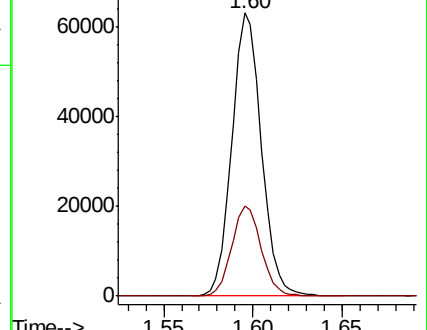
64 100

66 31.9 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV018417.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV018417.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 43.589 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018417.D

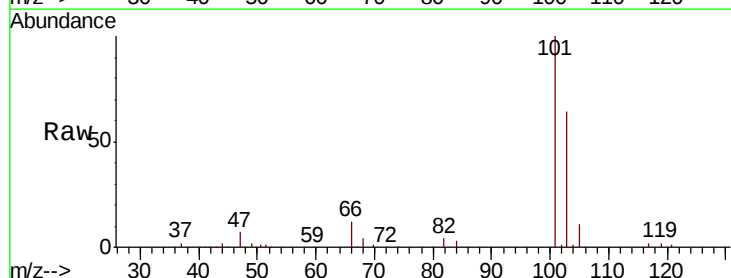
Acq: 24 Sep 2020 10:27

Tgt Ion:101 Resp: 160523

Ion Ratio Lower Upper

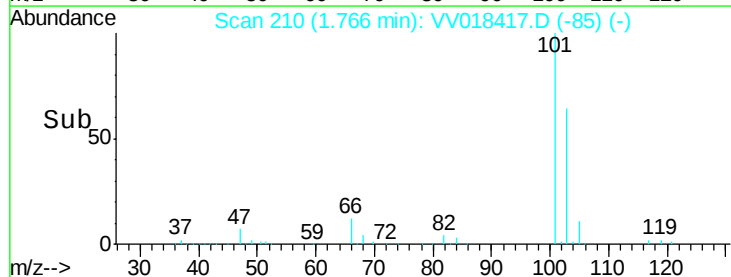
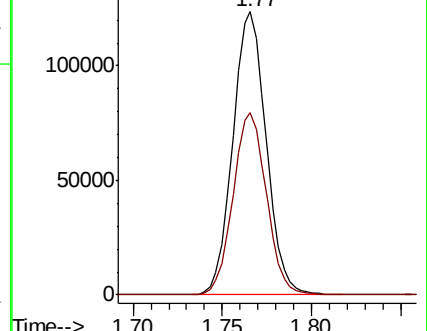
101 100

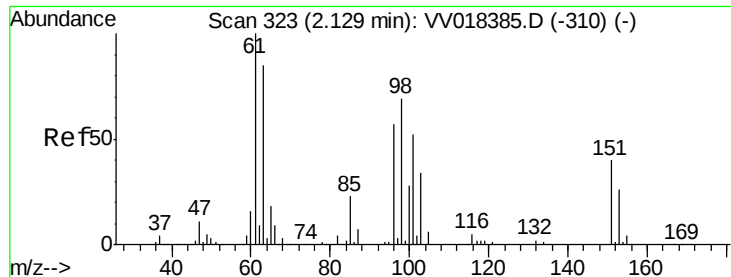
103 64.5 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV018417.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018417.D (-199) (-)





#10

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

Concen: 44.977 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

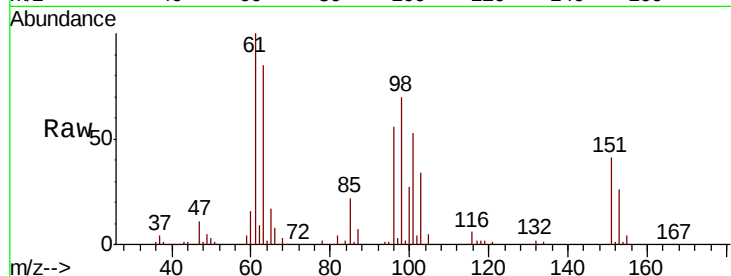
Tot Ion:101 Resp: 99491

Ion Ratio Lower Upper

101 100

85 42.6 33.5 50.3

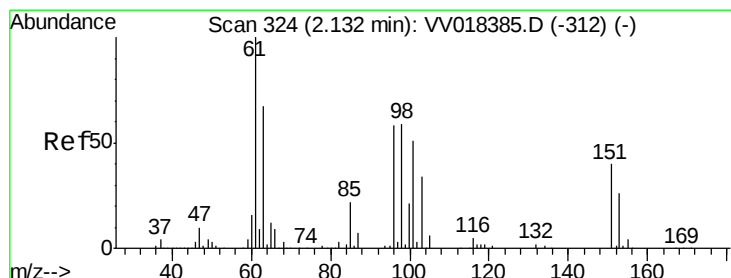
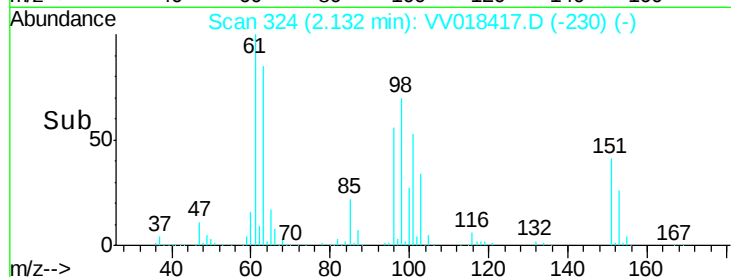
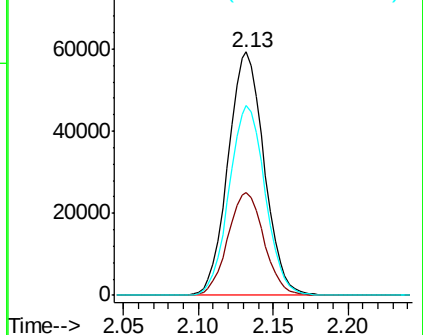
151 78.1 62.2 93.2



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: 43.202 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

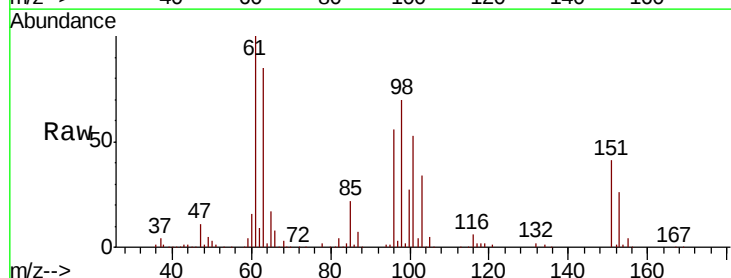
Tgt Ion: 96 Resp: 92986

Ion Ratio Lower Upper

96 100

61 178.0 122.9 228.3

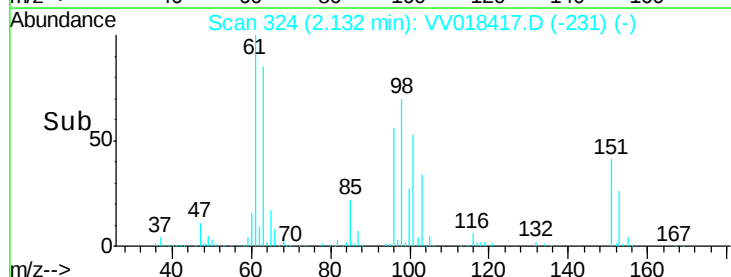
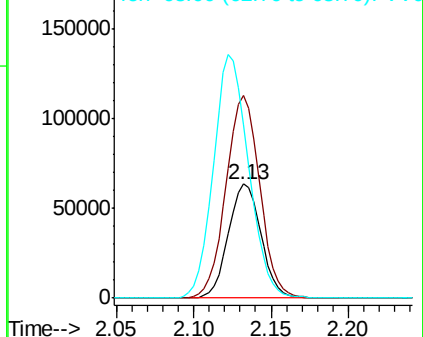
63 151.8 91.9 170.7

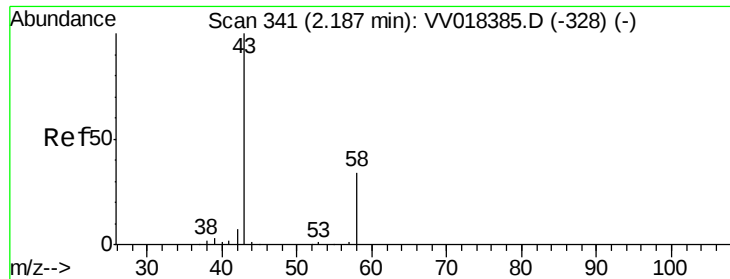


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 105.122 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.02 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

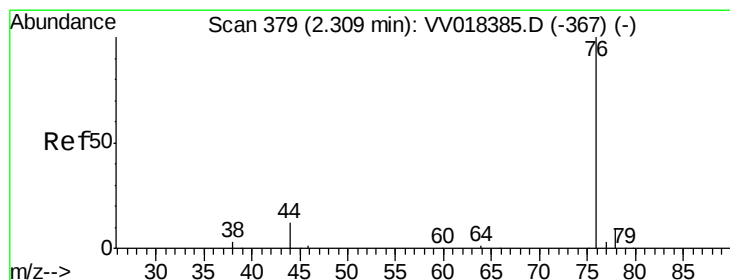
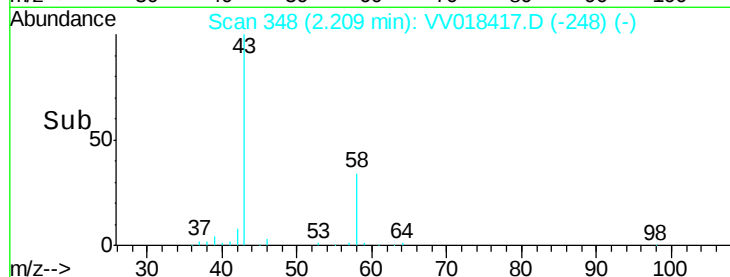
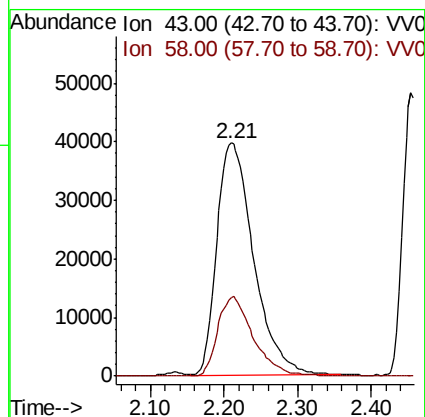
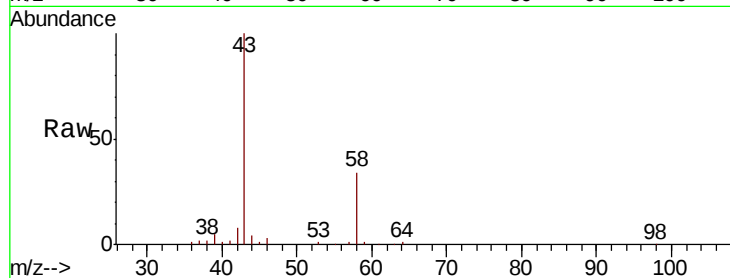
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 137644

Ion Ratio Lower Upper

43 100

58 33.3 0.0 67.4



#14

Carbon disulfide

Concen: 40.254 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018417.D

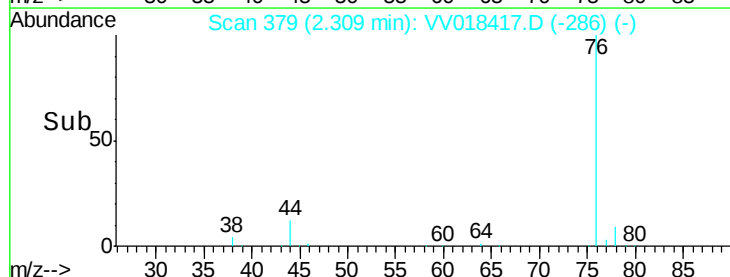
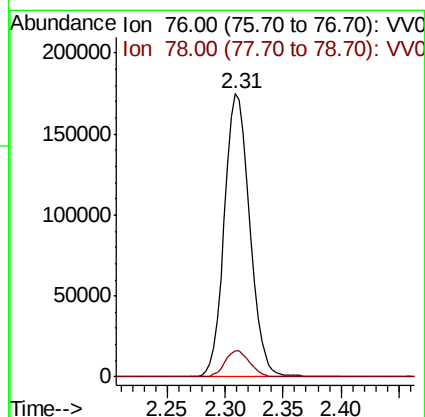
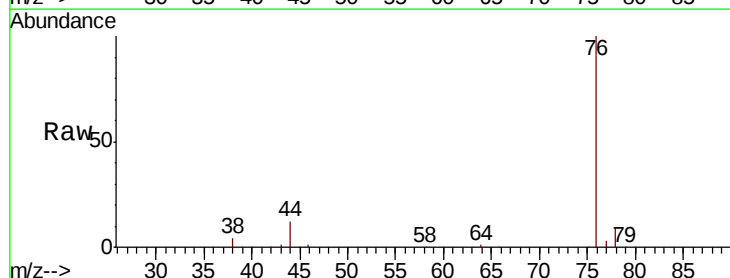
Acq: 24 Sep 2020 10:27

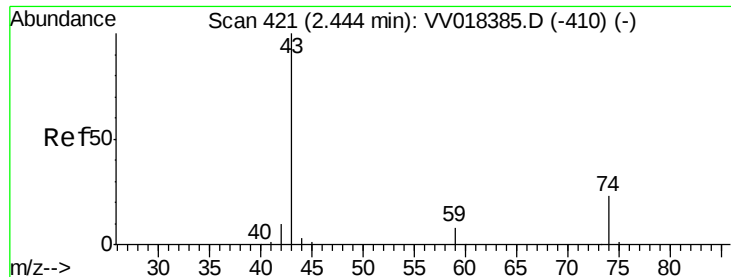
Tgt Ion: 76 Resp: 265120

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

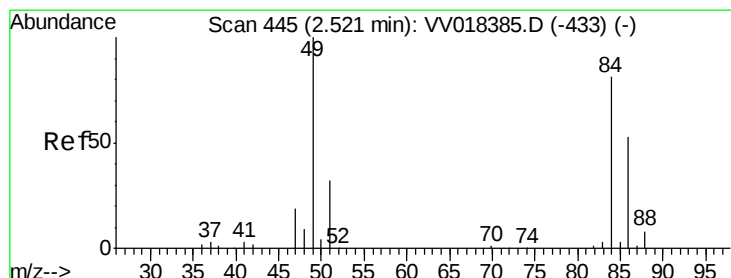
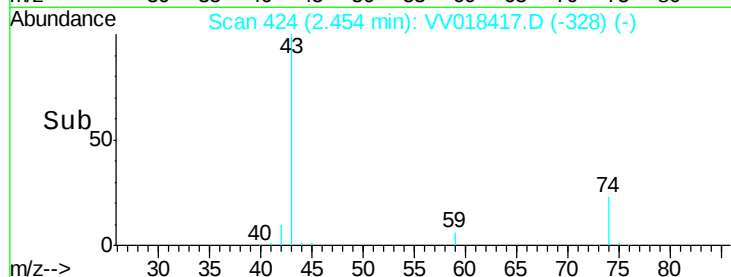
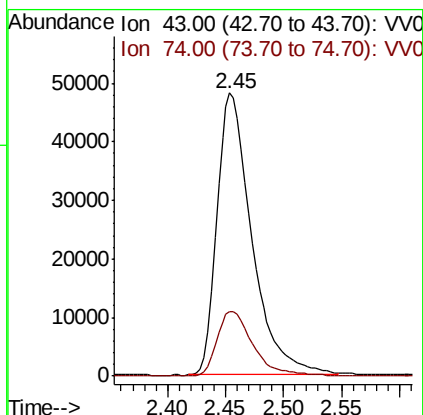
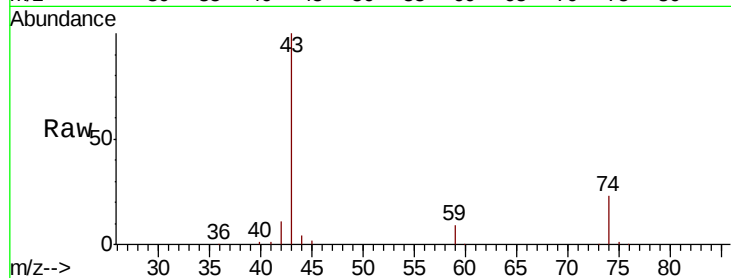




#15
Methvl Acetate
Concen: 43.091 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV018417.D
Acq: 24 Sep 2020 10:27

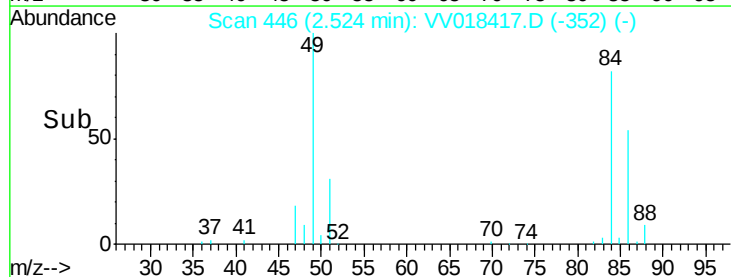
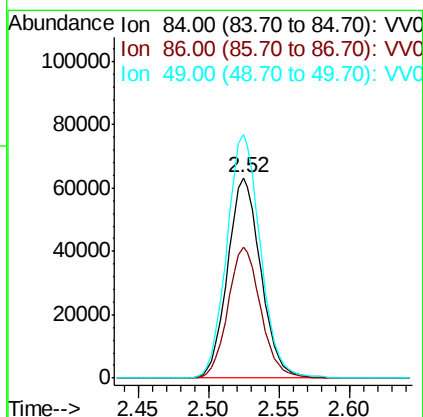
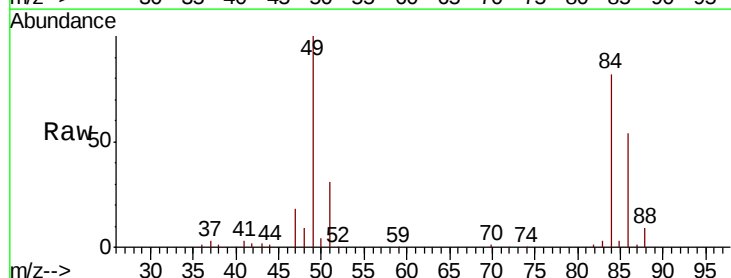
Instrument :
MSVOA_V
ClientSampled :

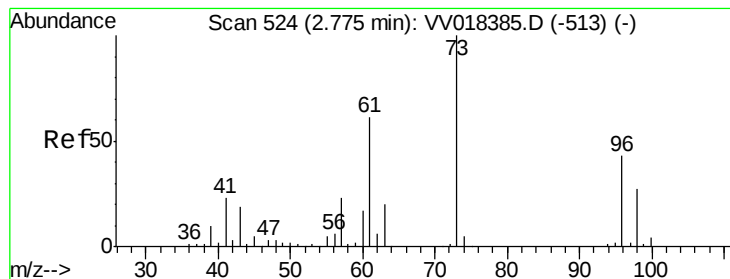
Tot Ion: 43 Resp: 101397
Ion Ratio Lower Upper
43 100
74 23.7 18.4 27.6



#16
Methylene chloride
Concen: 43.282 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018417.D
Acq: 24 Sep 2020 10:27

Tgt Ion: 84 Resp: 104478
Ion Ratio Lower Upper
84 100
86 65.4 44.4 82.4
49 121.7 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 43.243 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Instrument :
MSVOA_V
ClientSampled :

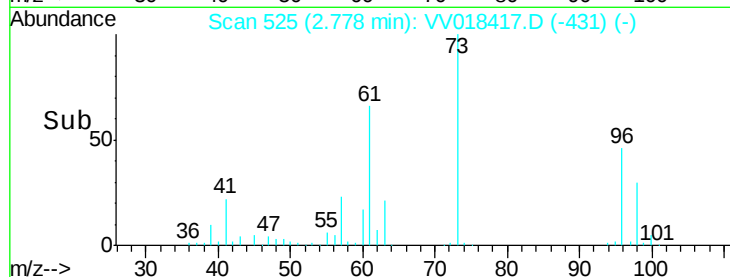
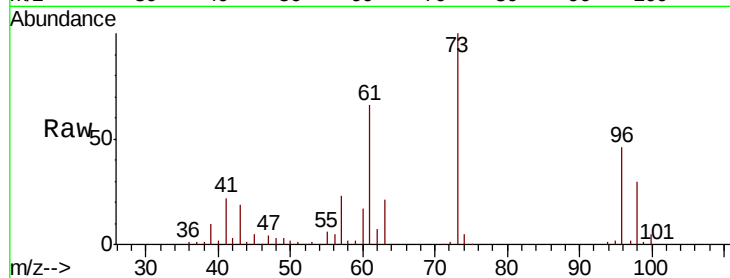
Tot Ion: 96 Resp: 95920

Ion Ratio Lower Upper

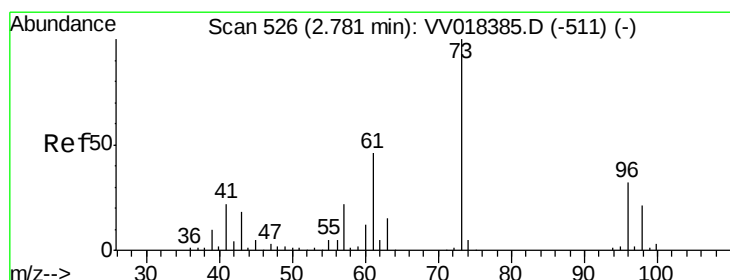
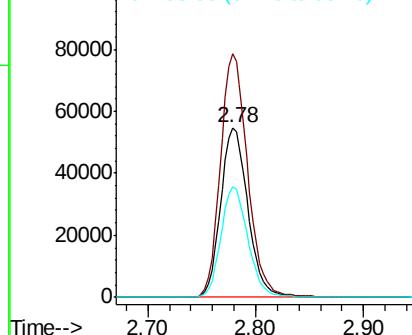
96 100

61 143.7 100.7 186.9

98 65.0 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 44.867 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

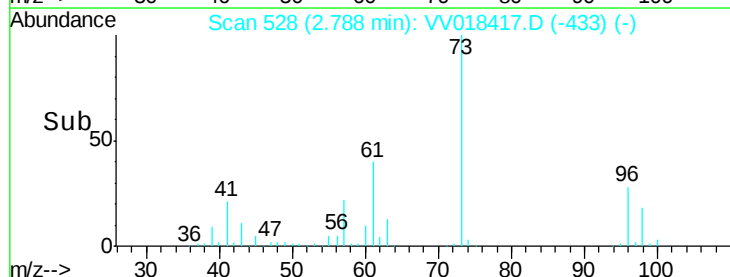
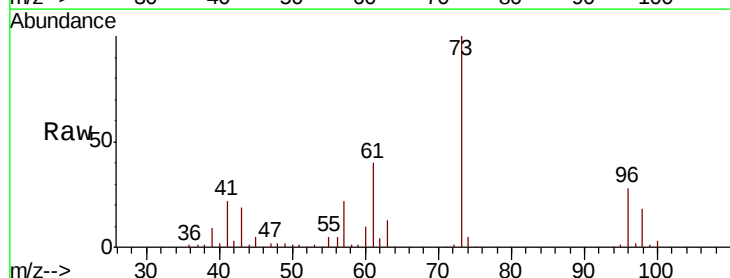
Tgt Ion: 73 Resp: 307861

Ion Ratio Lower Upper

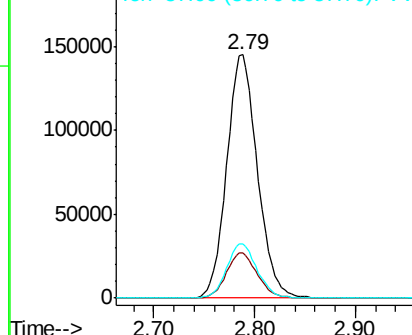
73 100

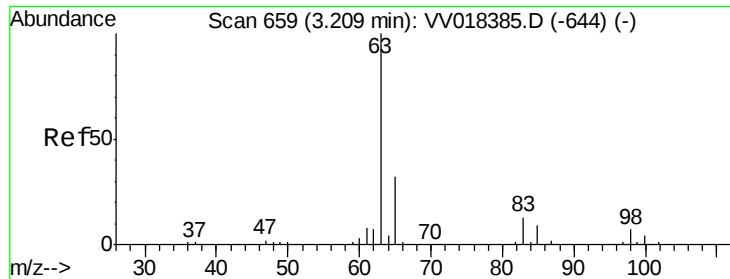
43 18.5 15.4 23.0

57 22.2 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 43.839 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Instrument :

MSVOA_V

ClientSampled :

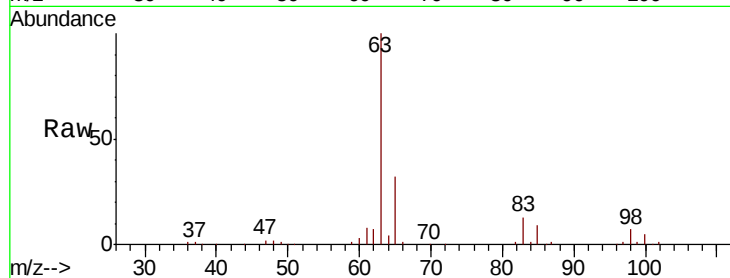
Tot Ion: 63 Resp: 183858

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.7

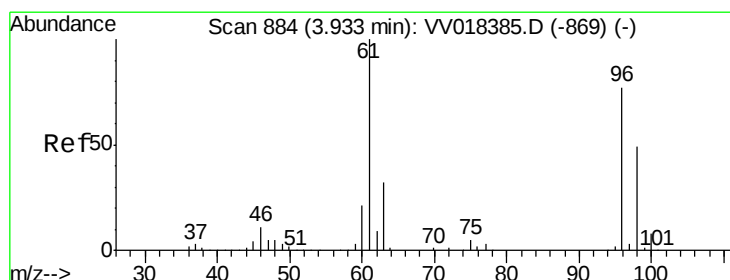
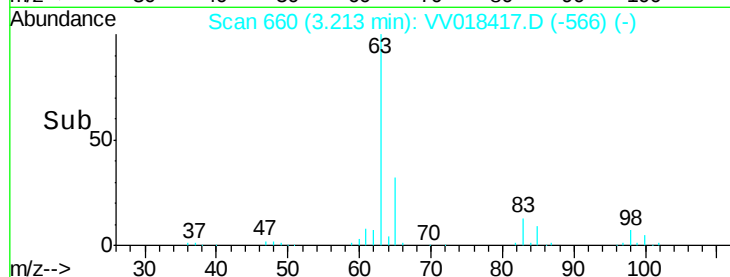
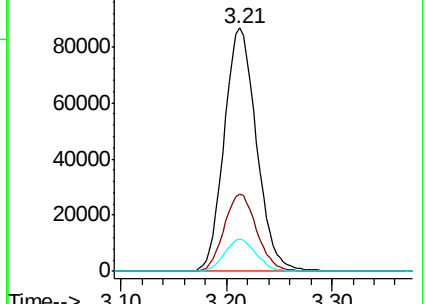
83 13.3 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 44.784 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

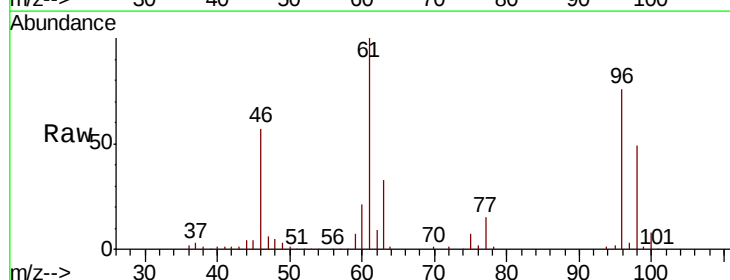
Tgt Ion: 96 Resp: 106192

Ion Ratio Lower Upper

96 100

61 131.9 93.6 173.8

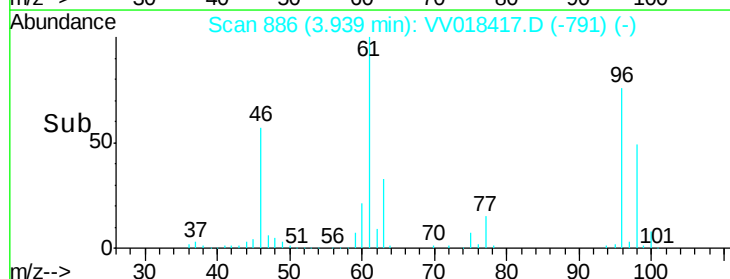
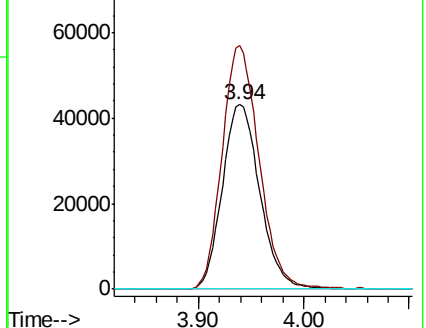
68 0.0 0.0 0.0

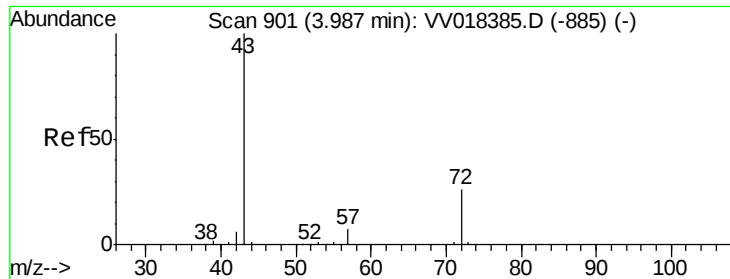


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 100.706 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.02 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

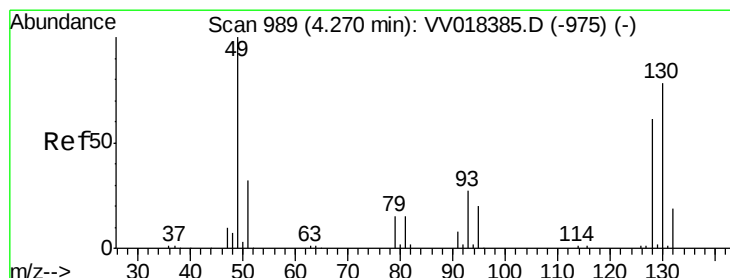
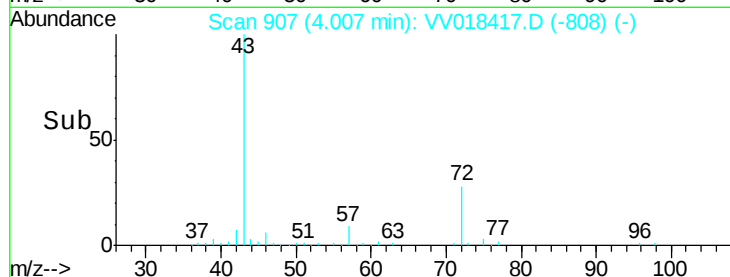
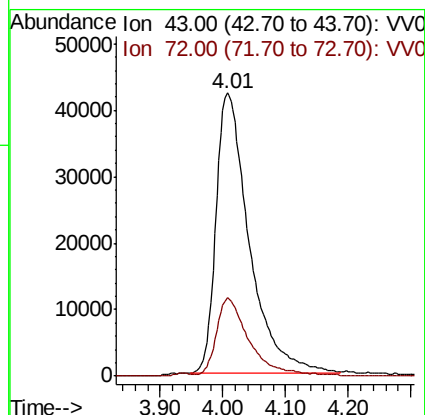
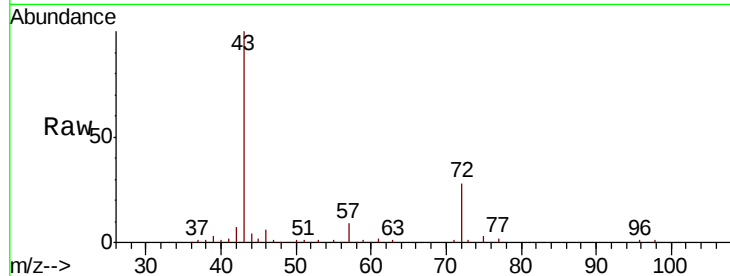
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 156143

Ion Ratio Lower Upper

43 100

72 25.0 13.1 39.3



#23

Bromochloromethane

Concen: 44.676 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Tgt Ion: 128 Resp: 55426

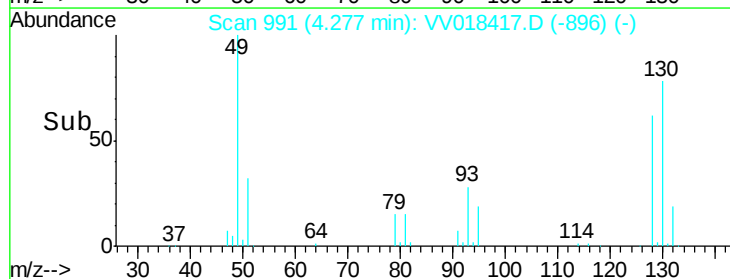
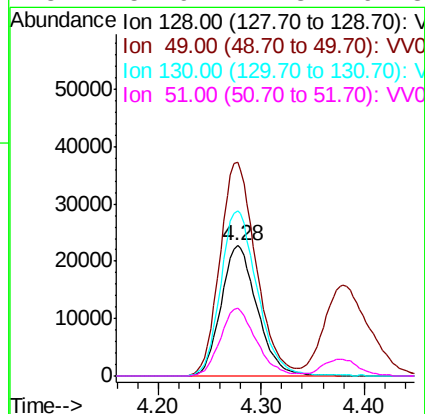
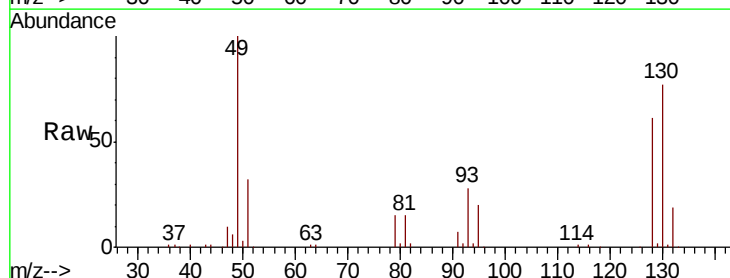
Ion Ratio Lower Upper

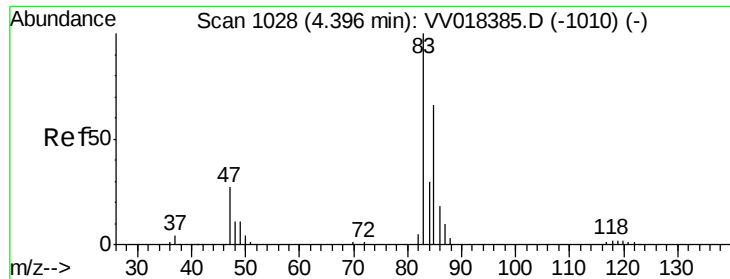
128 100

49 163.6 114.4 212.6

130 126.6 87.9 163.3

51 51.9 41.8 62.8

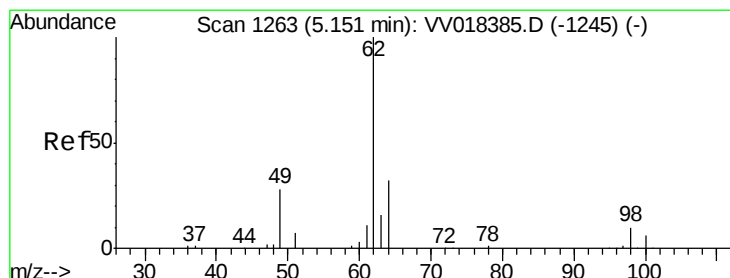
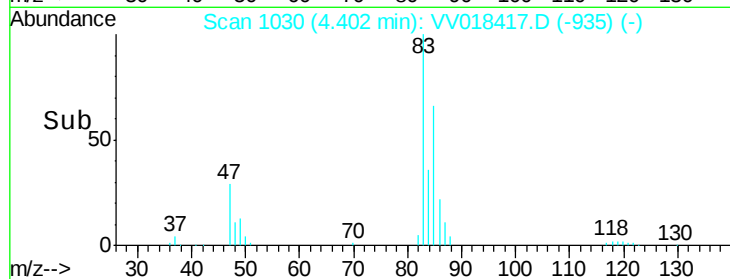
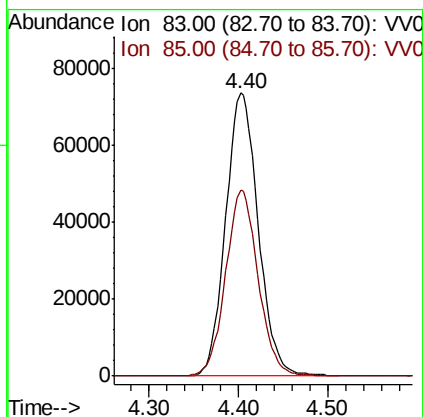
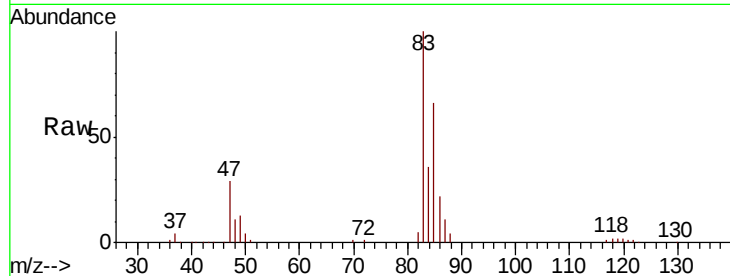




#25
Chloroform
Concen: 43.736 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV018417.D
Acq: 24 Sep 2020 10:27

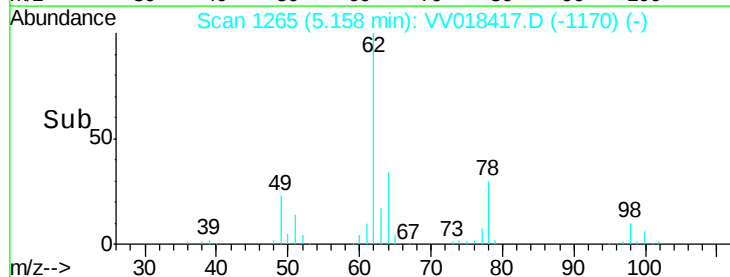
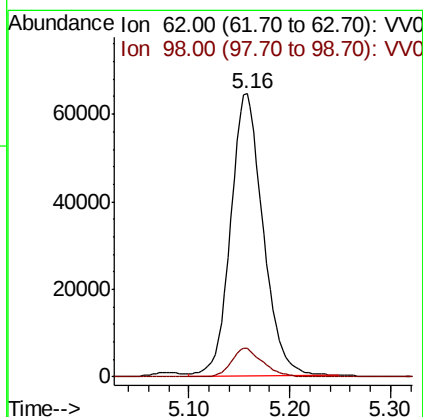
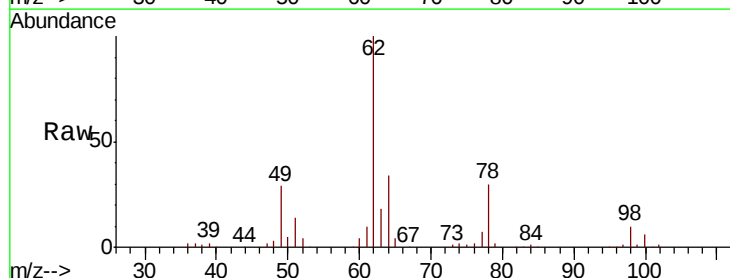
Instrument :
MSVOA_V
ClientSampleId :

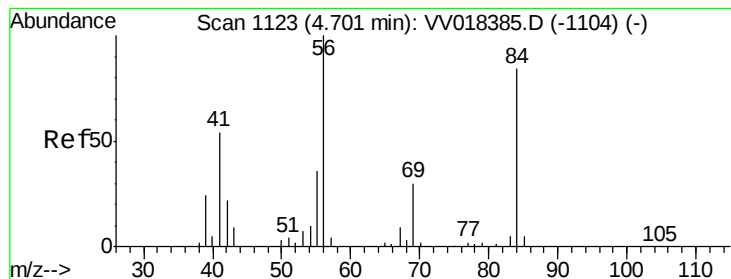
Tot Ion: 83 Resp: 186451
Ion Ratio Lower Upper
83 100
85 65.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 43.679 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VV018417.D
Acq: 24 Sep 2020 10:27

Tgt Ion: 62 Resp: 144153
Ion Ratio Lower Upper
62 100
98 10.2 7.6 11.4





#29

Cyclohexane

Concen: 45.470 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Instrument :
MSVOA_V
ClientSampled :

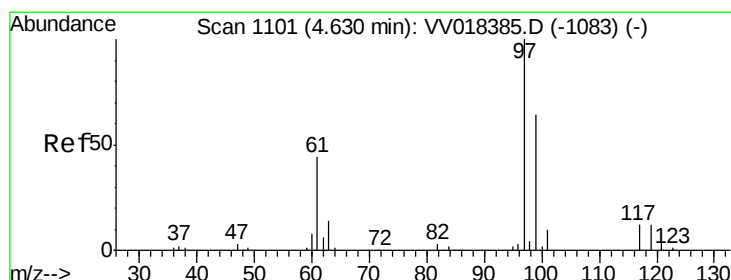
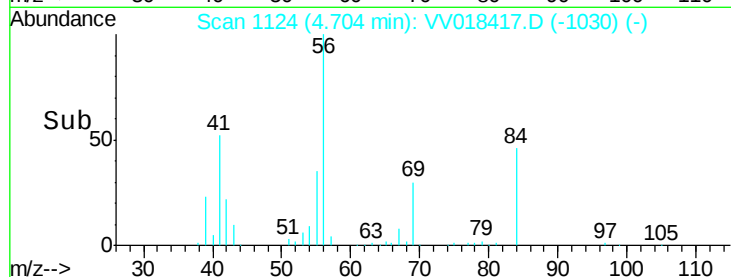
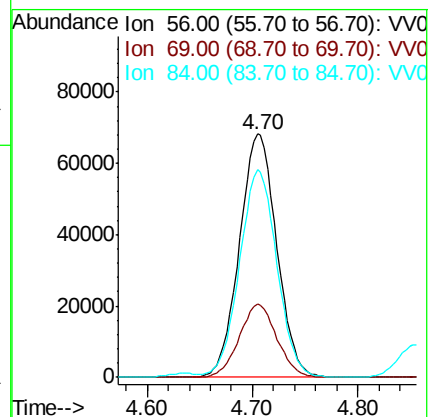
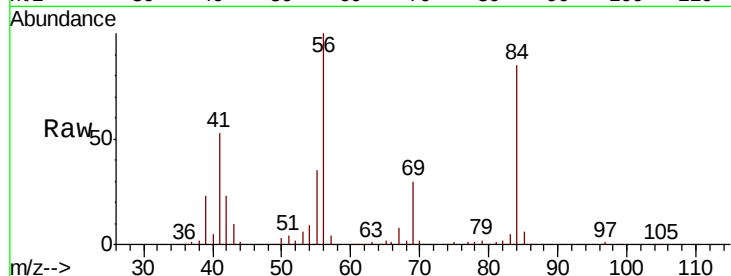
Tot Ion: 56 Resp: 167644

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.2

84 85.7 68.3 102.5



#30

1,1,1-Trichloroethane

Concen: 44.625 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

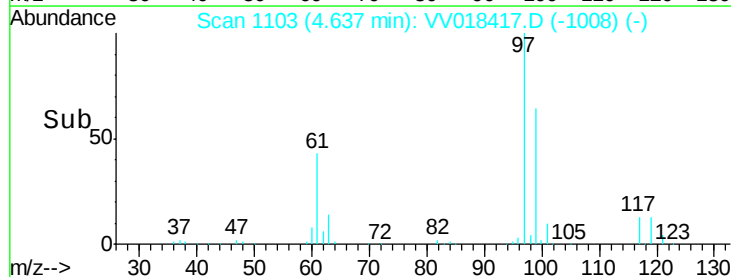
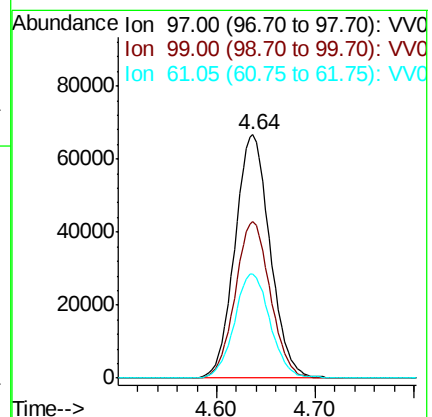
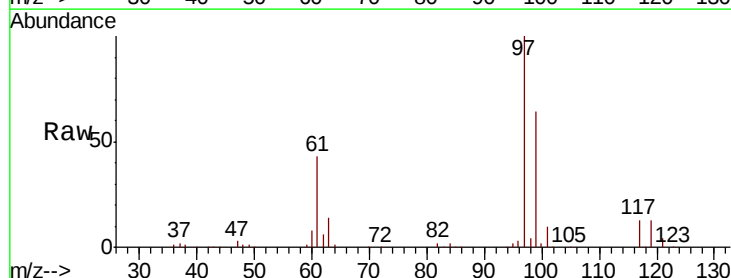
Tgt Ion: 97 Resp: 165356

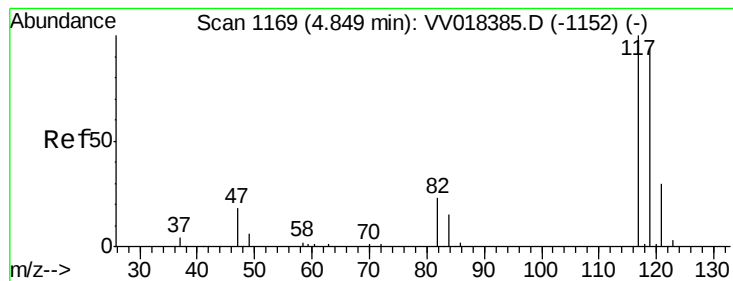
Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

61 43.5 34.9 52.3





#31

Carbon tetrachloride

Concen: 44.007 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Instrument :

MSVOA_V

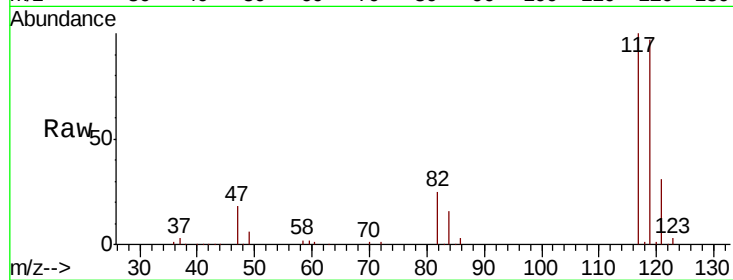
ClientSampleId :

Tot Ion:117 Resp: 143385

Ion Ratio Lower Upper

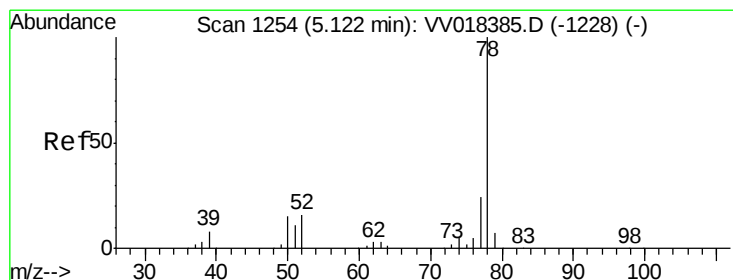
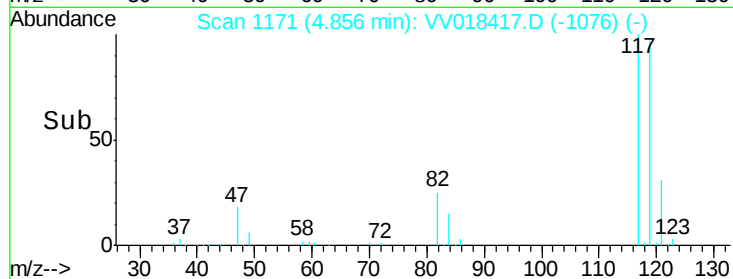
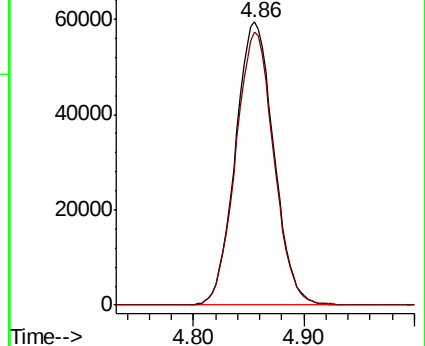
117 100

119 95.8 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 44.616 ug/L

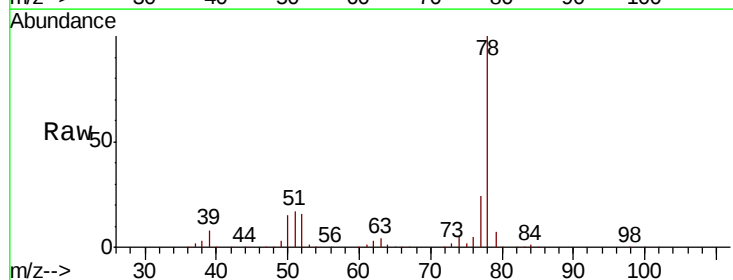
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

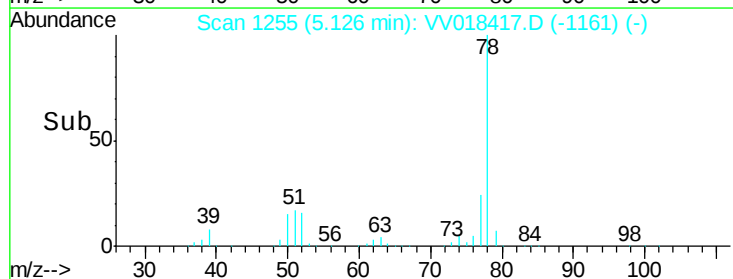
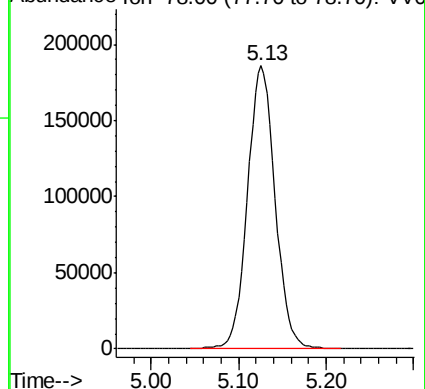
Lab File: VV018417.D

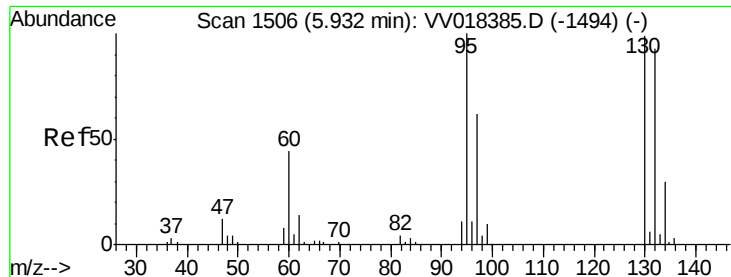
Acq: 24 Sep 2020 10:27

Tgt Ion: 78 Resp: 407285



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 44.805 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 111421

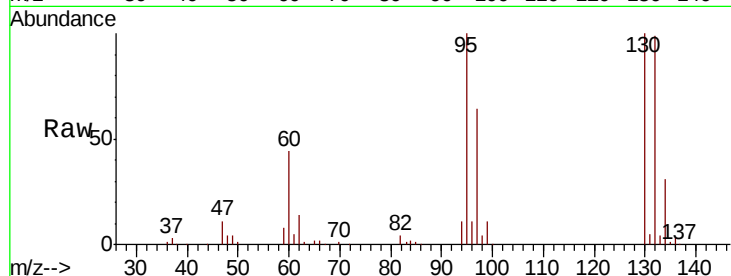
Ion Ratio Lower Upper

95 100

97 64.3 46.3 85.9

132 98.7 68.1 126.5

130 100.0 71.5 132.9

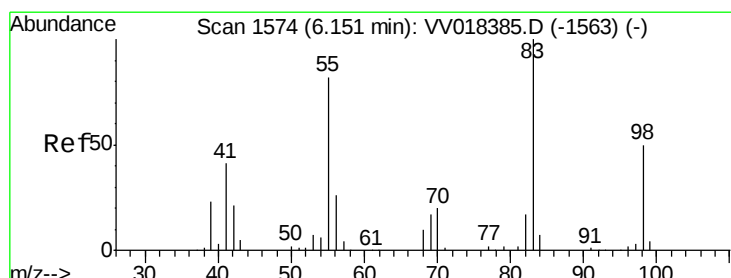
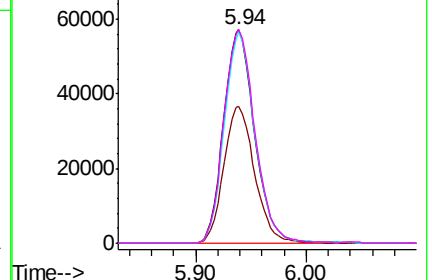
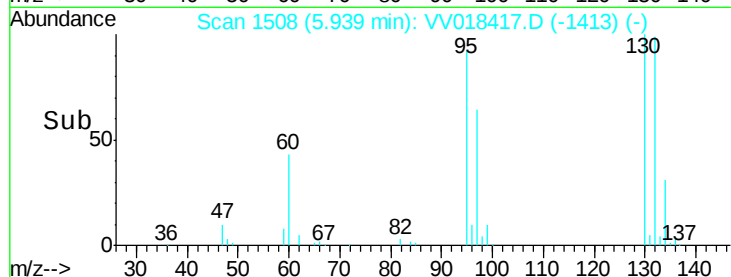


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 45.940 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

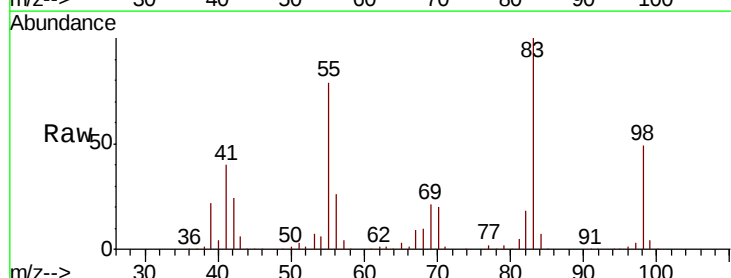
Tgt Ion: 83 Resp: 172009

Ion Ratio Lower Upper

83 100

55 78.9 63.4 95.2

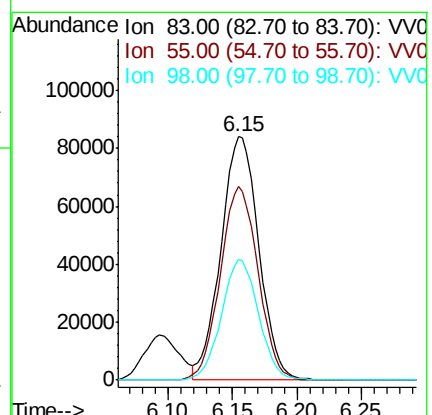
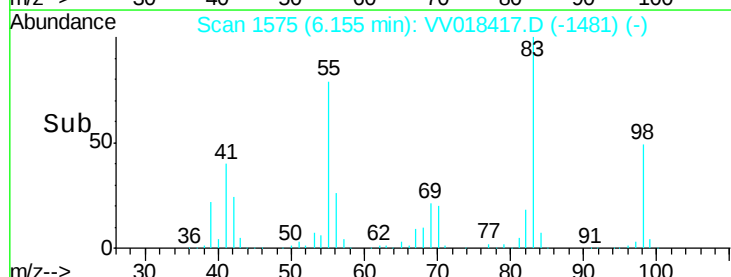
98 48.4 38.8 58.2

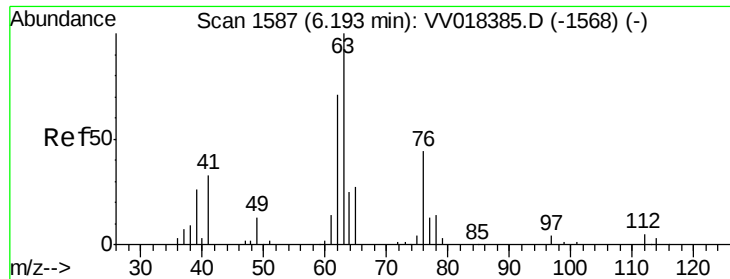


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

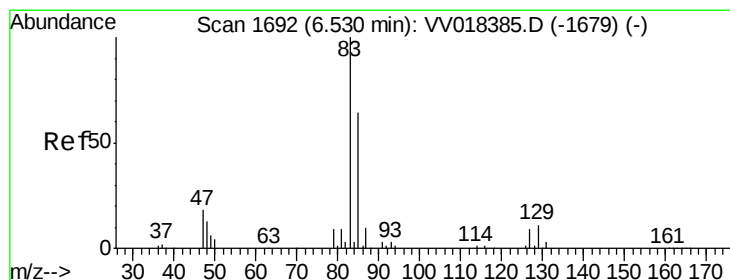
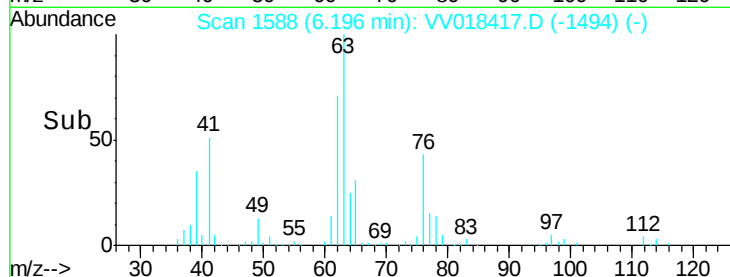
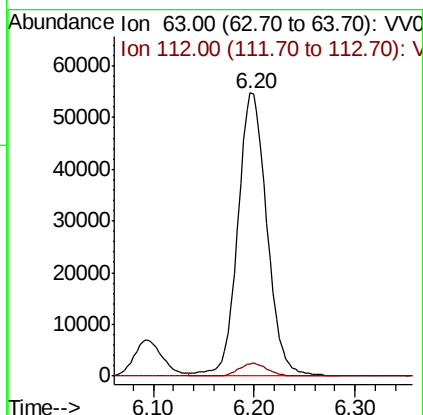
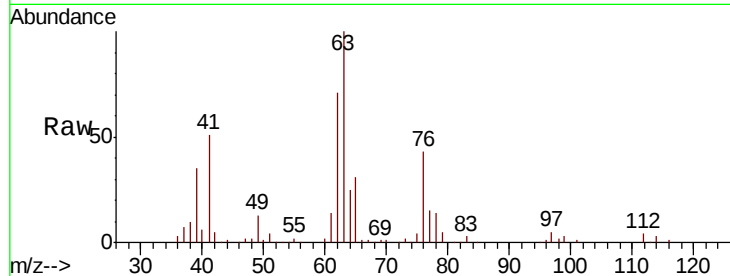




#37
 1,2-Dichloropropane
 Concen: 44.904 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018417.D
 Acq: 24 Sep 2020 10:27

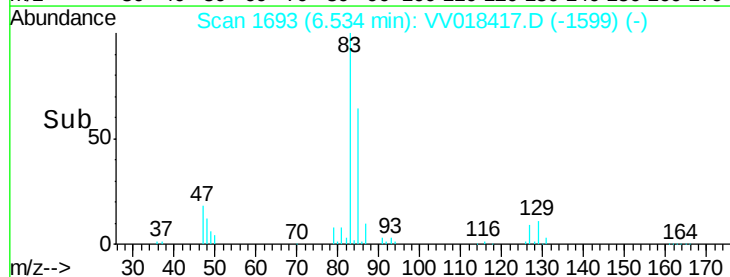
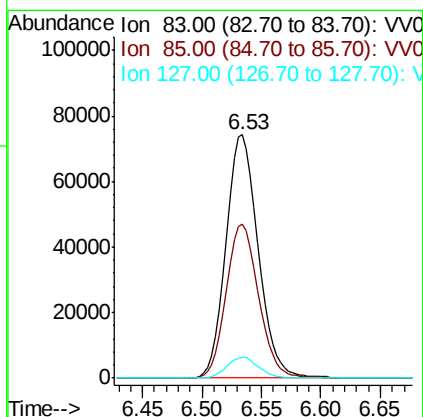
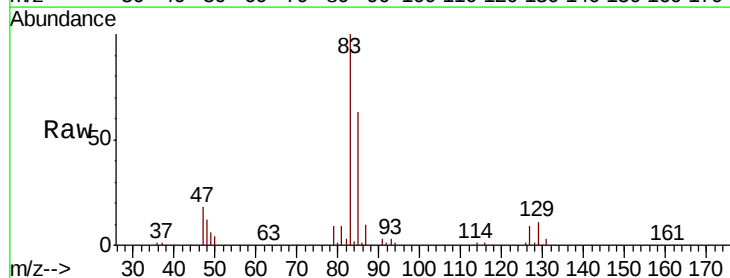
Instrument :
 MSVOA_V
 ClientSampleId :

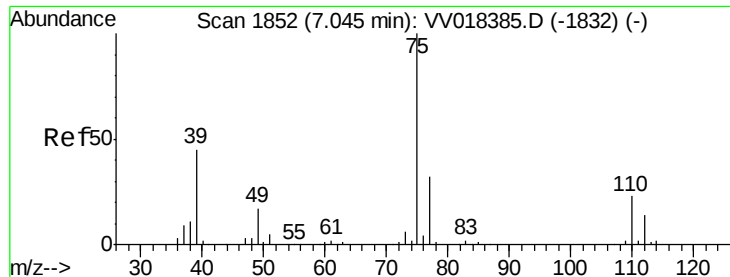
Tot Ion: 63 Resp: 108622
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 44.391 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018417.D
 Acq: 24 Sep 2020 10:27

Tgt Ion: 83 Resp: 139740
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.7 82.9
 127 8.7 6.7 10.1

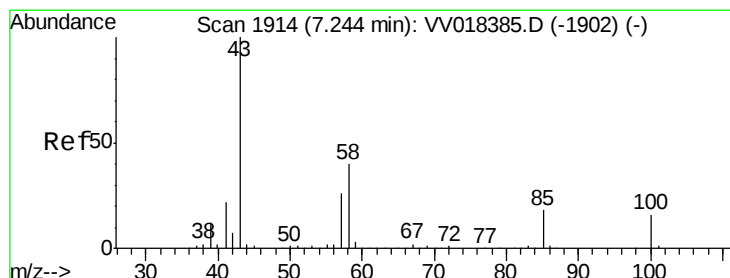
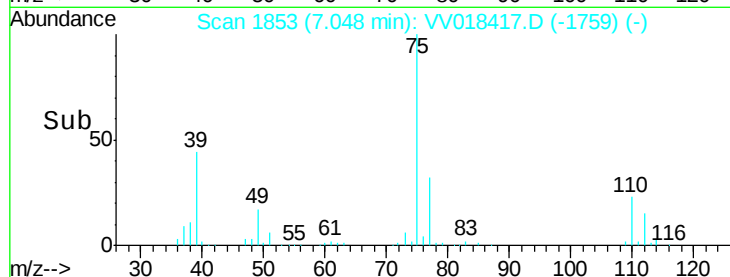
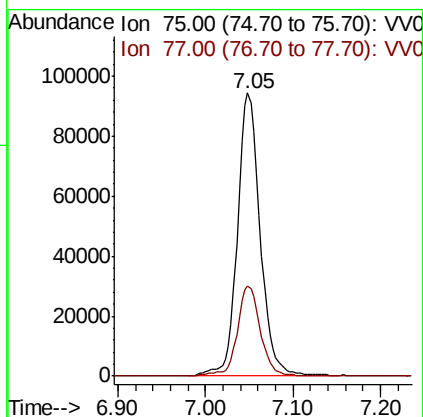
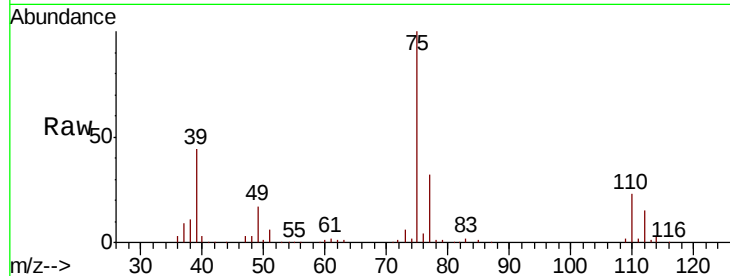




#39
 cis-1,3-Dichloropropene
 Concen: 45.861 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018417.D
 Acq: 24 Sep 2020 10:27

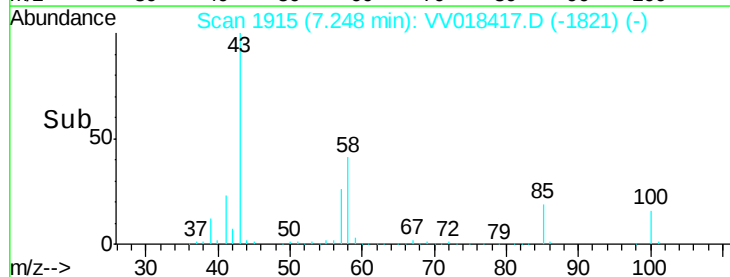
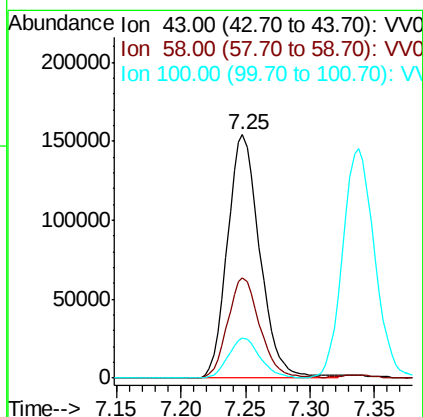
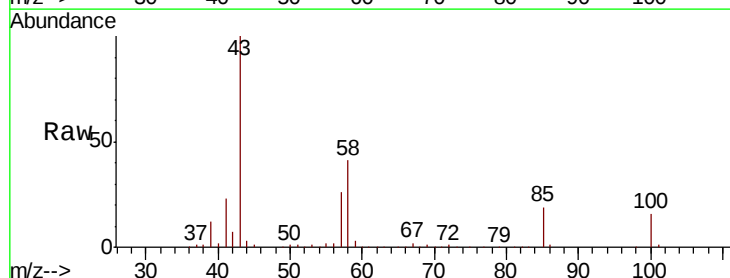
Instrument :
 MSVOA_V
 ClientSampled :

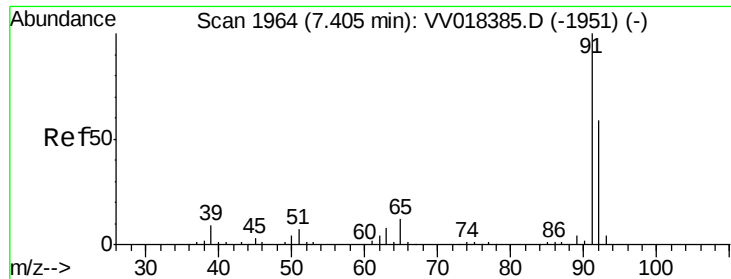
Tot Ion: 75 Resp: 170930
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 91.857 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018417.D
 Acq: 24 Sep 2020 10:27

Tgt Ion: 43 Resp: 269567
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.4 48.6
 100 16.1 12.7 19.1





#42

Toluene

Concen: 45.781 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

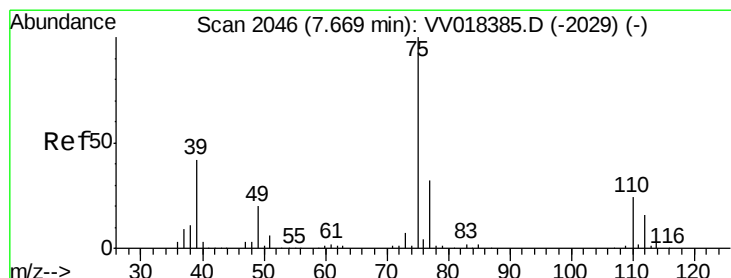
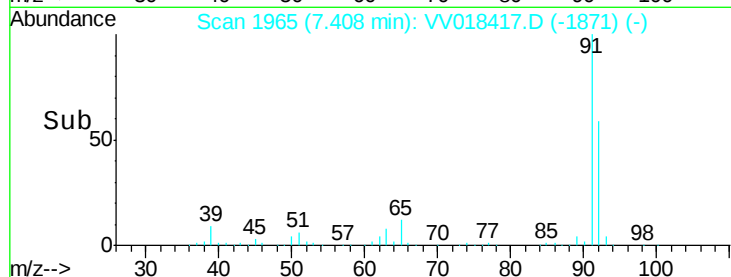
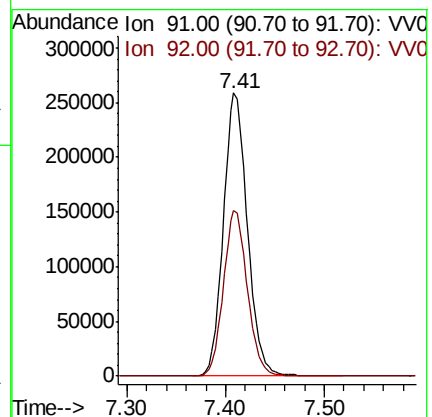
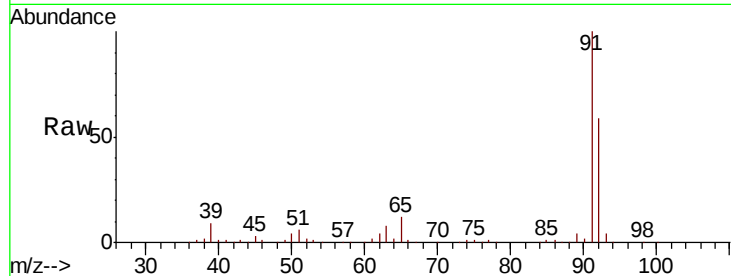
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 442271

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 46.104 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018417.D

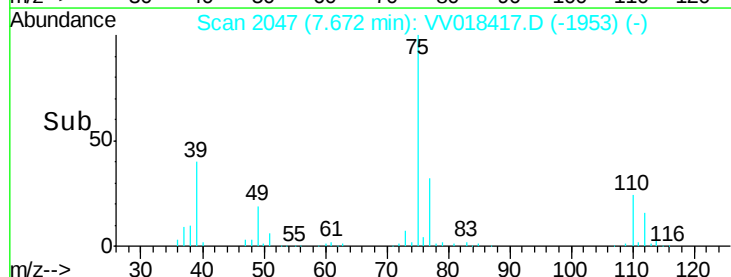
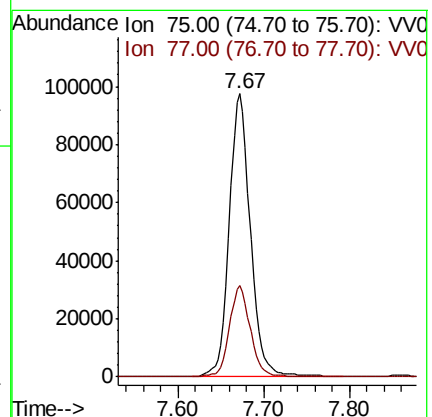
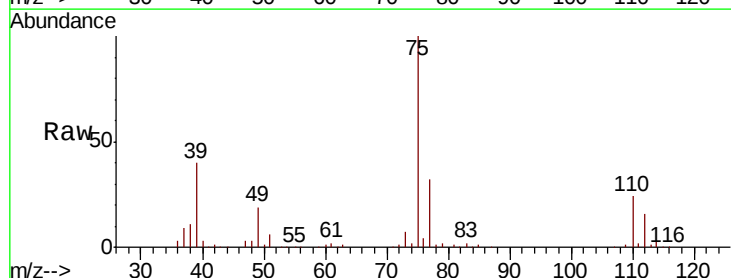
Acq: 24 Sep 2020 10:27

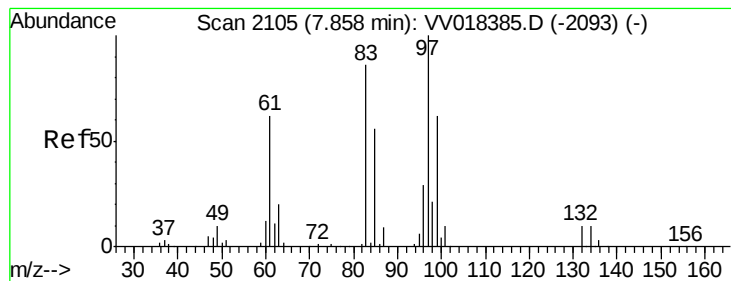
Tgt Ion: 75 Resp: 167307

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 45.016 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 100930

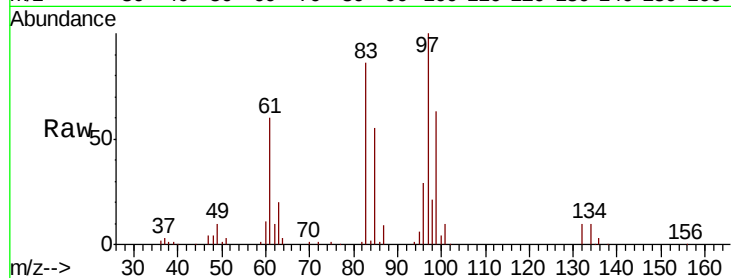
Ion Ratio Lower Upper

97 100

99 63.2 43.7 81.1

83 86.1 59.9 111.3

85 54.9 37.6 69.8



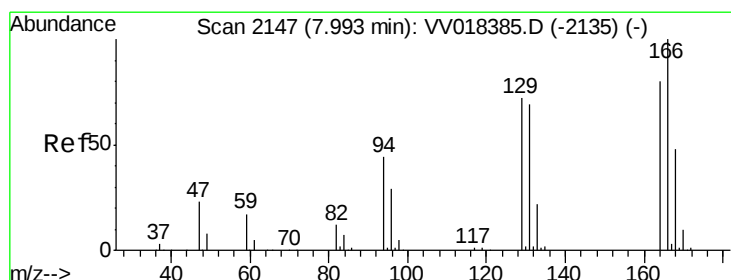
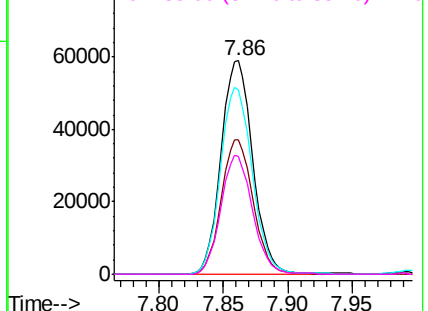
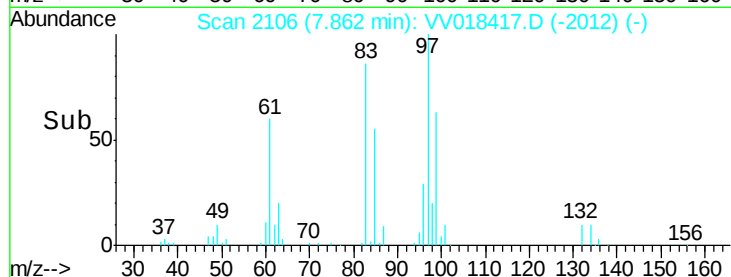
Abundance

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



#46

Tetrachloroethene

Concen: 45.598 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Tgt Ion: 164 Resp: 88907

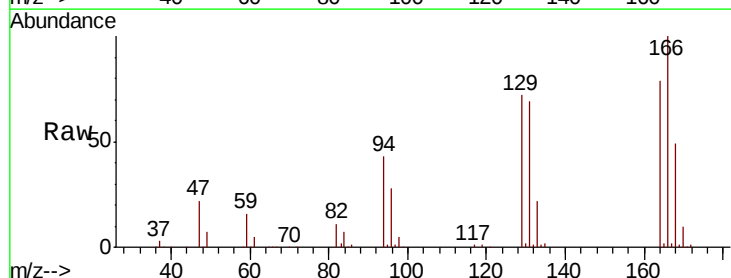
Ion Ratio Lower Upper

164 100

129 91.7 64.5 119.7

131 88.0 61.8 114.8

166 127.2 90.6 168.2



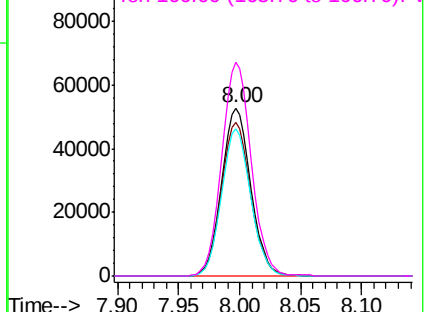
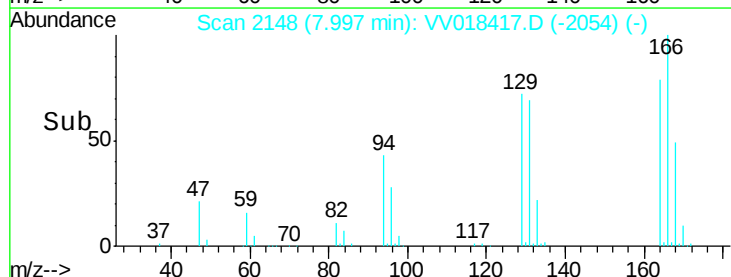
Abundance

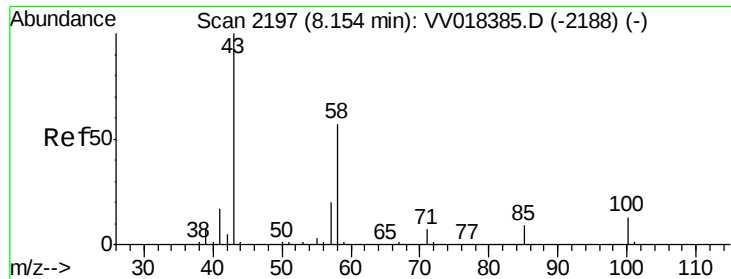
Ion 164.00 (163.70 to 164.70): V

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

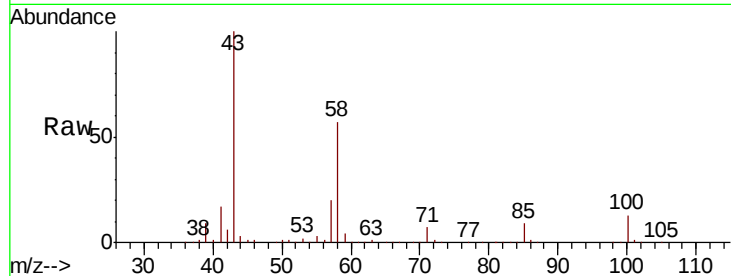




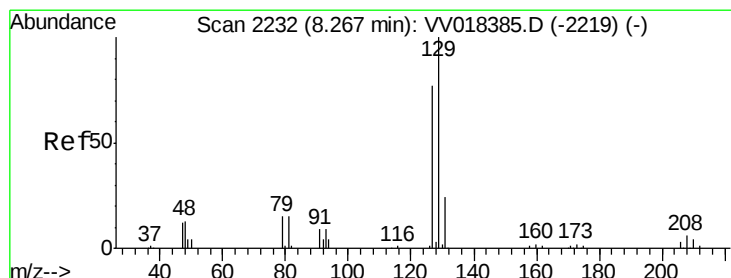
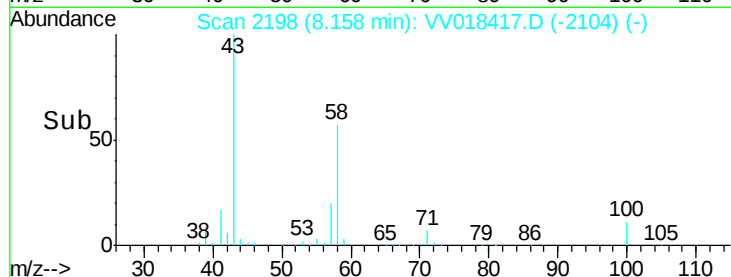
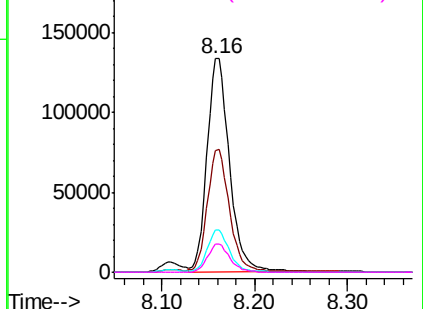
#48
2-Hexanone
Concen: 97.053 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018417.D
Acq: 24 Sep 2020 10:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 224544
Ion Ratio Lower Upper
43 100
58 56.4 44.8 67.2
57 19.2 15.8 23.6
100 13.2 10.2 15.4

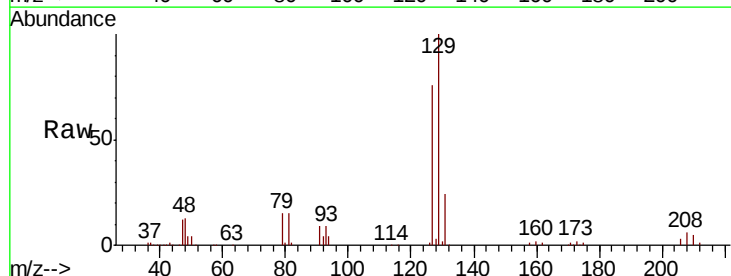


Abundance Ion 43.00 (42.70 to 43.70): VV018385.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV018385.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV018385.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV018385.D (-2188) (-)

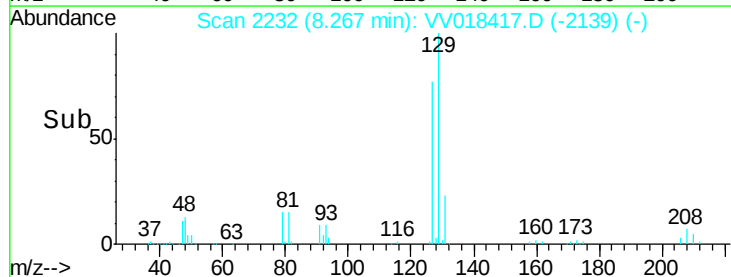
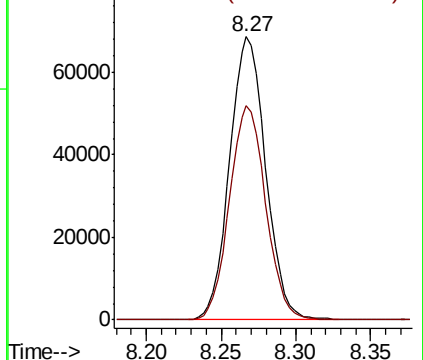


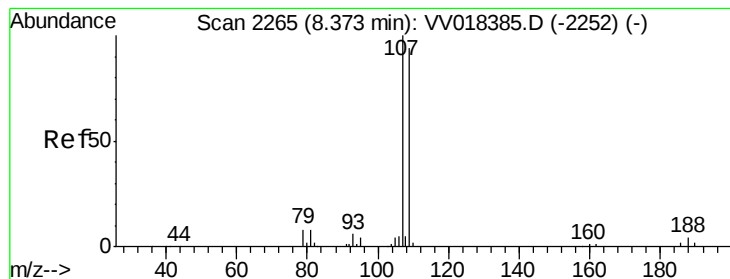
#49
Dibromochloromethane
Concen: 45.810 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018417.D
Acq: 24 Sep 2020 10:27

Tgt Ion: 129 Resp: 115290
Ion Ratio Lower Upper
129 100
127 75.6 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): VV018385.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV018385.D (-2219) (-)

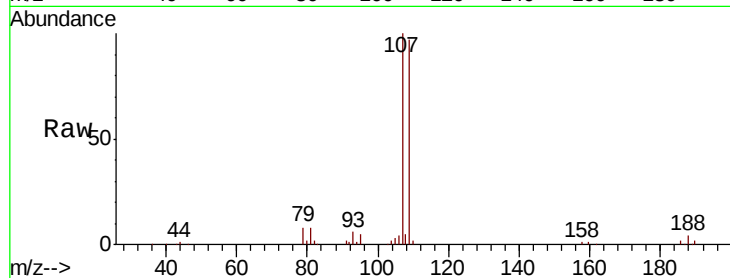




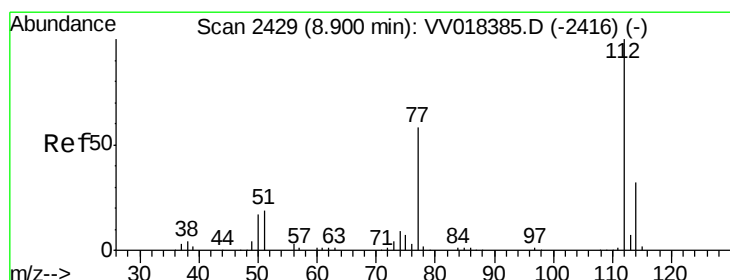
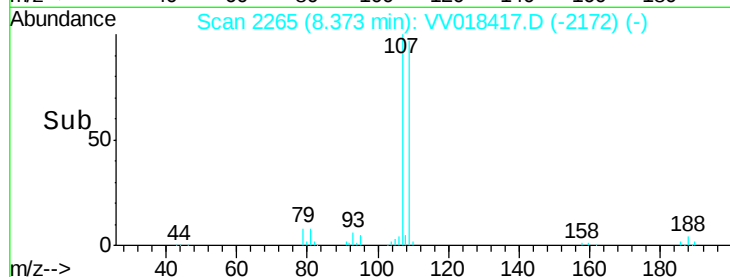
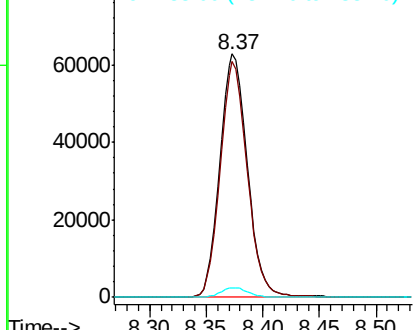
#50
 1,2-Dibromoethane
 Concen: 45.219 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018417.D
 Acq: 24 Sep 2020 10:27

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.2	66.1	122.8
188	4.1	3.2	4.8

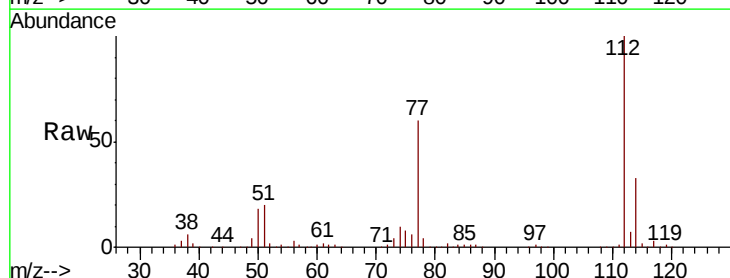


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

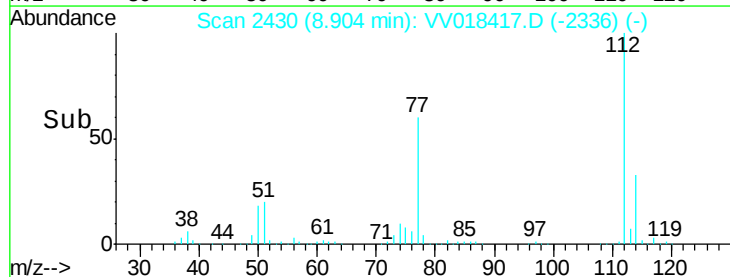
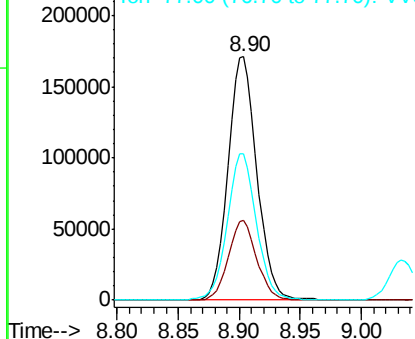


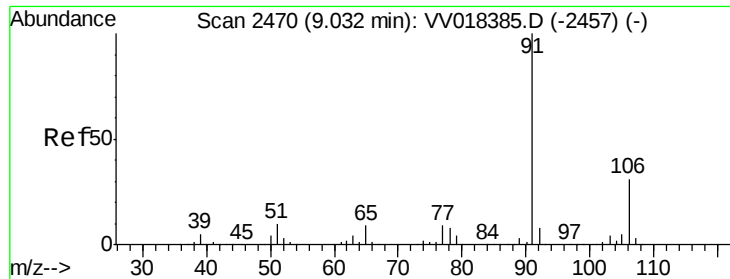
#51
 Chlorobenzene
 Concen: 45.200 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018417.D
 Acq: 24 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.6	42.0
77	60.0	48.0	72.0



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 46.419 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

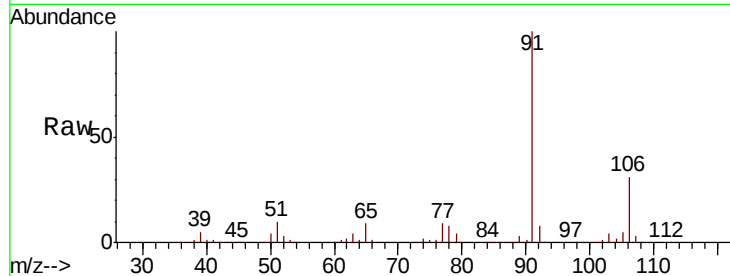
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 489590

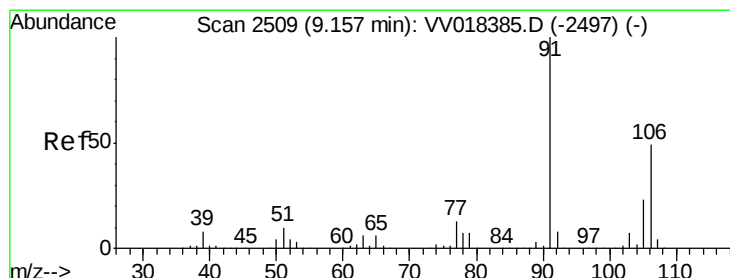
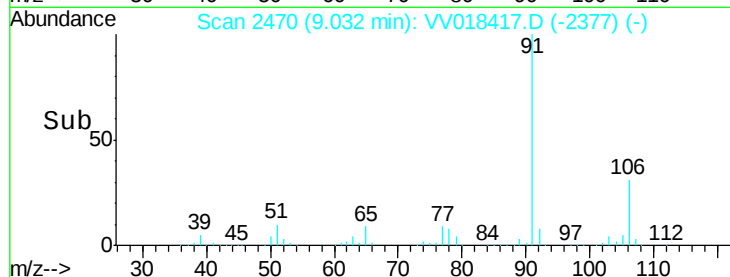
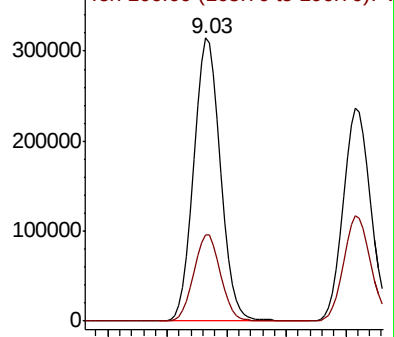
Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018417.D (-2377) (-)



#53

m,p-Xylene

Concen: 47.147 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018417.D

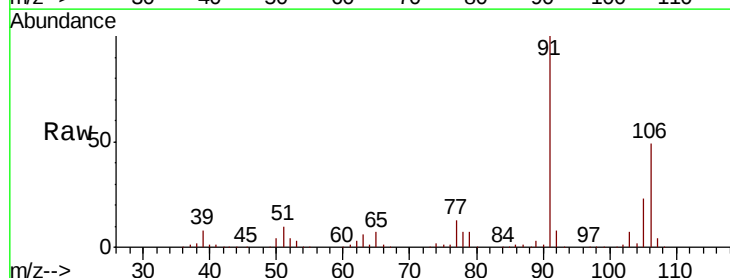
Acq: 24 Sep 2020 10:27

Tgt Ion: 106 Resp: 185604

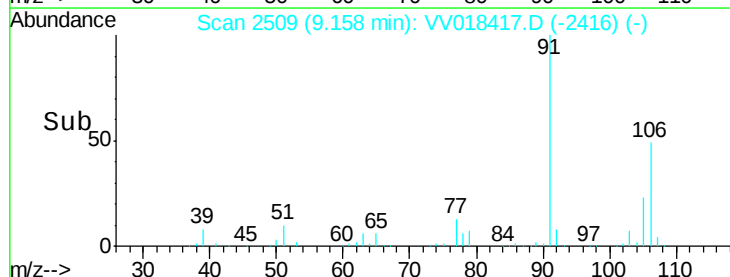
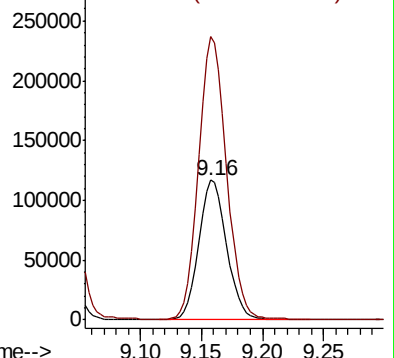
Ion Ratio Lower Upper

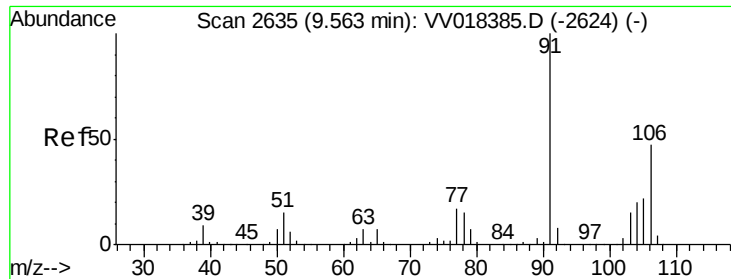
106 100

91 202.9 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018417.D (-2416) (-)





#54

o-xylene

Concen: 47.262 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

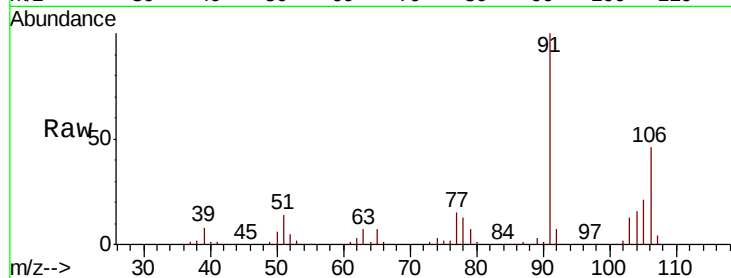
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 179247

Ion Ratio Lower Upper

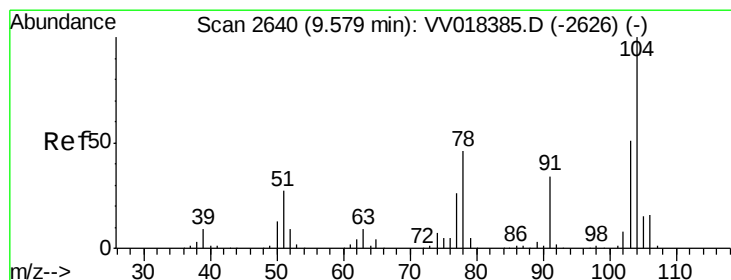
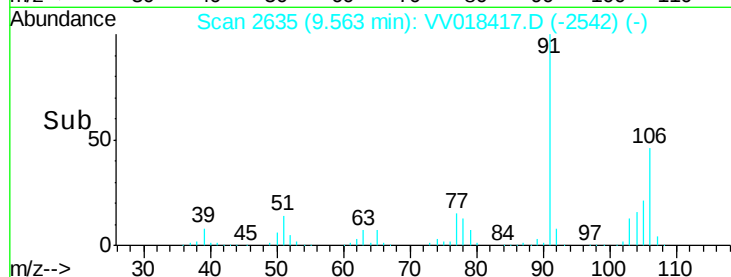
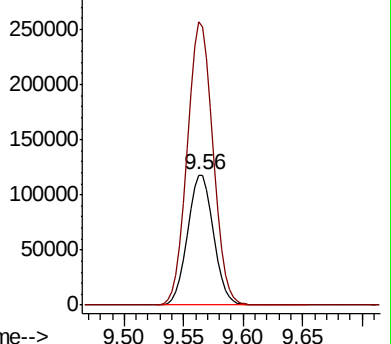
106 100

91 217.1 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 47.896 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018417.D

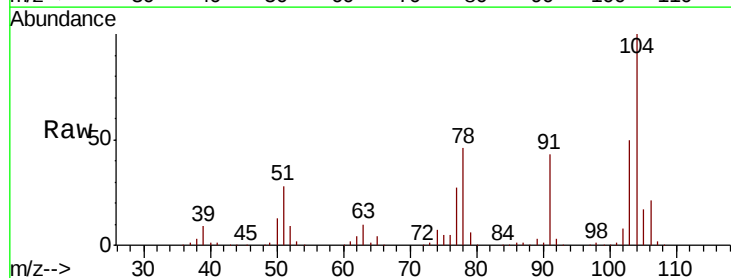
Acq: 24 Sep 2020 10:27

Tgt Ion:104 Resp: 315734

Ion Ratio Lower Upper

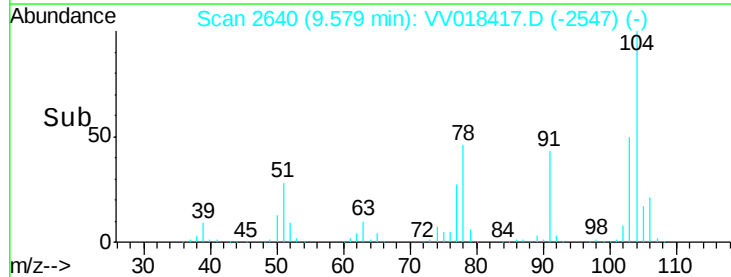
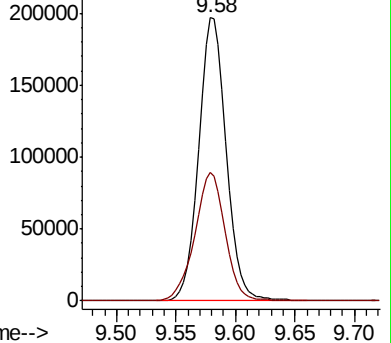
104 100

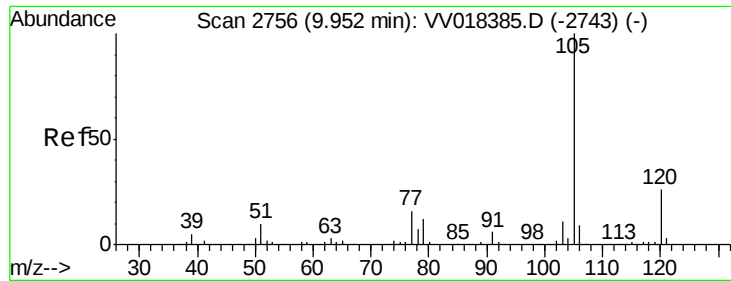
78 45.5 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 47.886 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

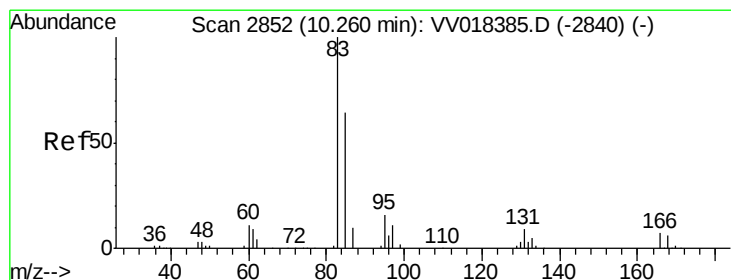
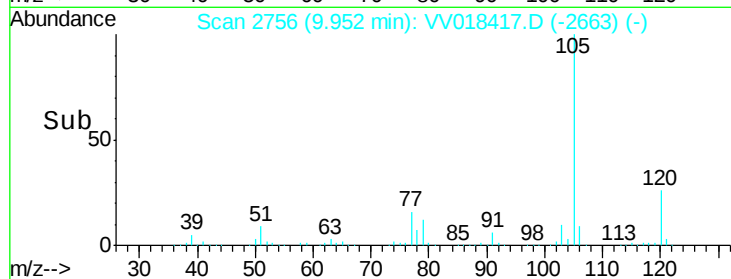
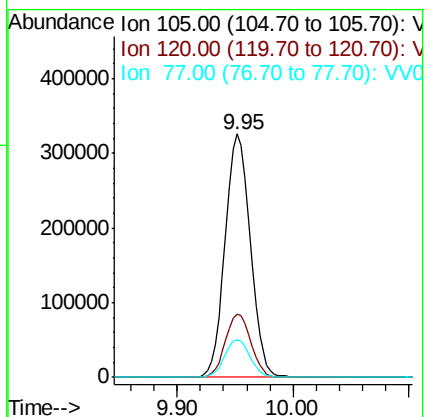
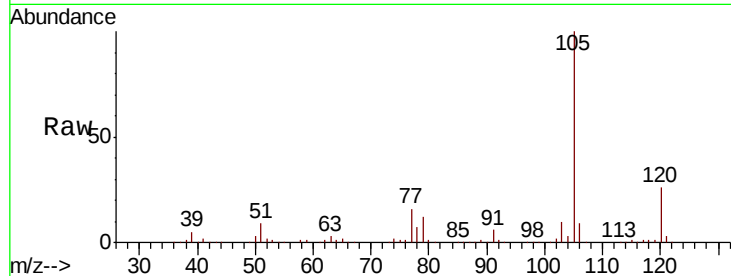
Tot Ion:105 Resp: 489464

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

77 15.7 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 46.138 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

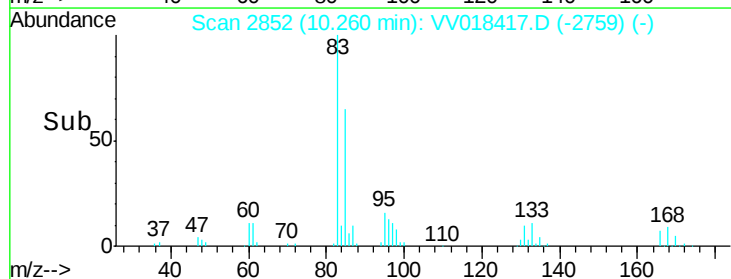
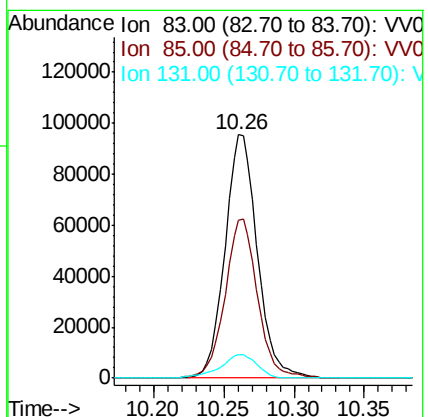
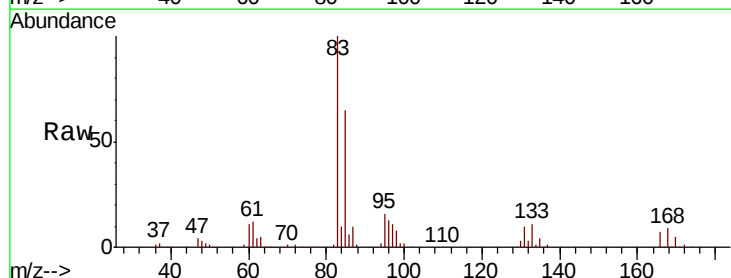
Tgt Ion: 83 Resp: 153022

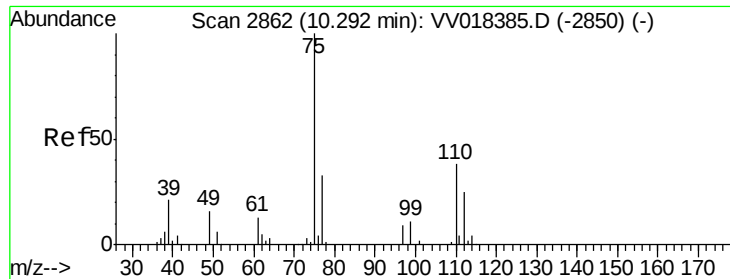
Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.2

131 9.8 8.0 12.0

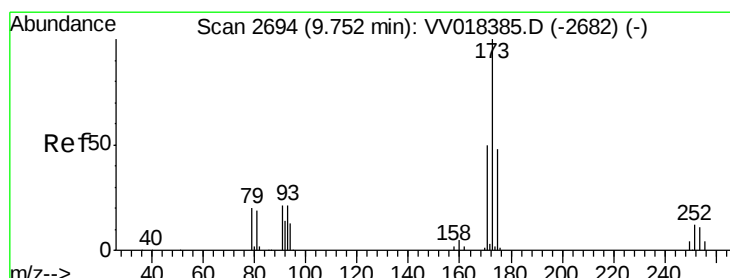
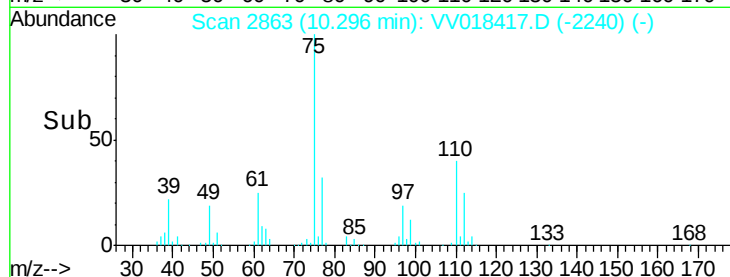
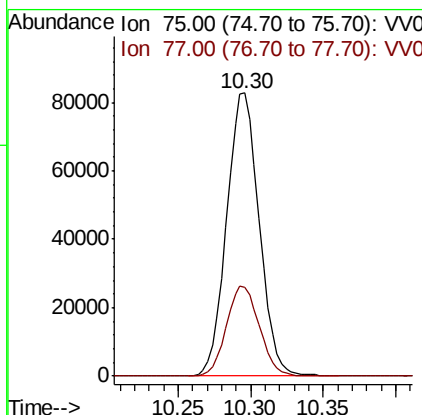
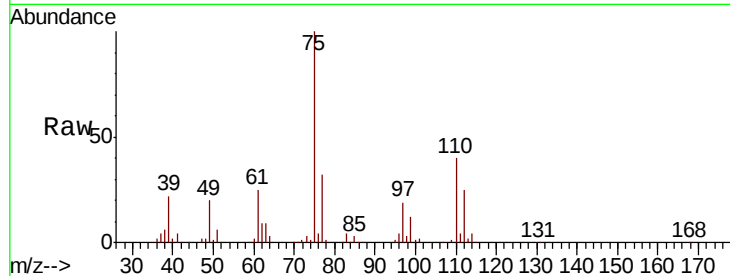




#59
 1,2,3-Trichloropropane
 Concen: 45.295 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV018417.D
 Acq: 24 Sep 2020 10:27

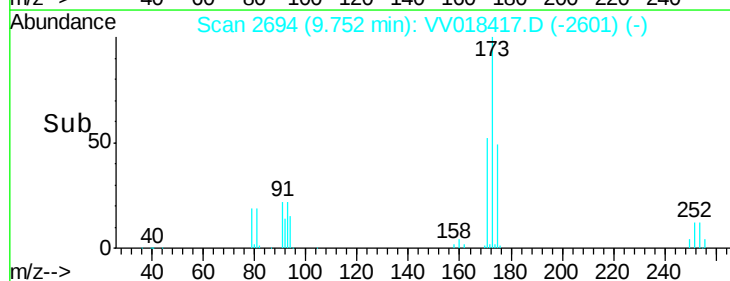
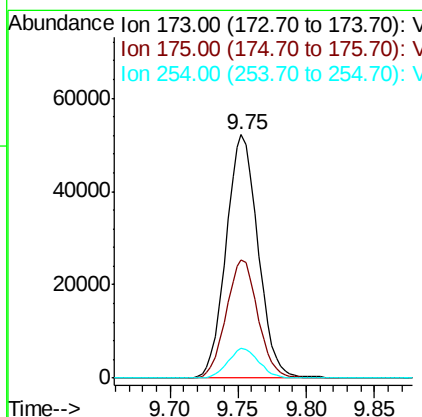
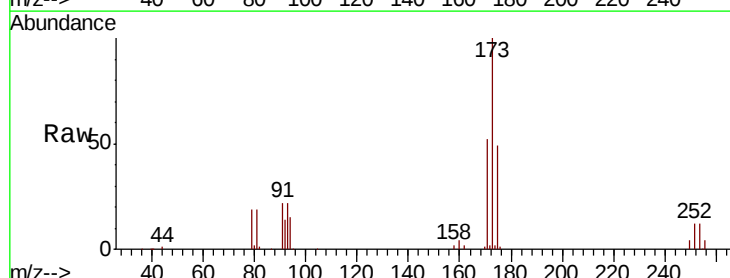
Instrument :
 MSVOA_V
 ClientSampleId :

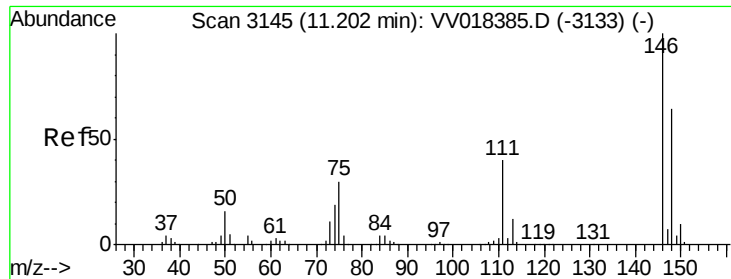
Tot Ion: 75 Resp: 128873
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6



#61
 Bromoform
 Concen: 44.418 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV018417.D
 Acq: 24 Sep 2020 10:27

Tgt Ion: 173 Resp: 85111
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.0 58.6
 254 11.8 9.0 13.4





#62

1,3-Dichlorobenzene

Concen: 45.581 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

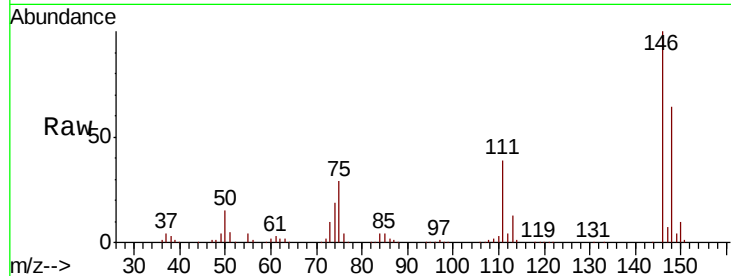
Tot Ion:146 Resp: 241751

Ion Ratio Lower Upper

146 100

111 39.4 27.6 51.2

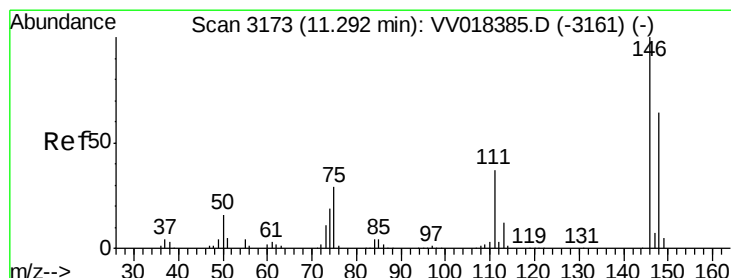
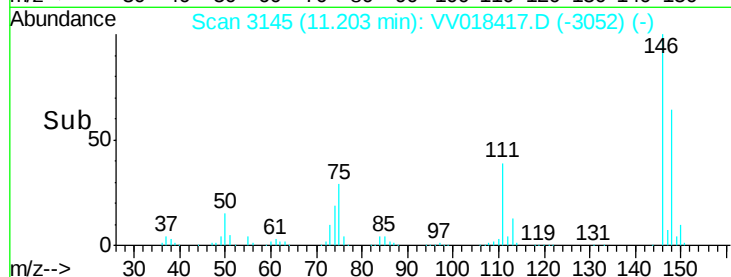
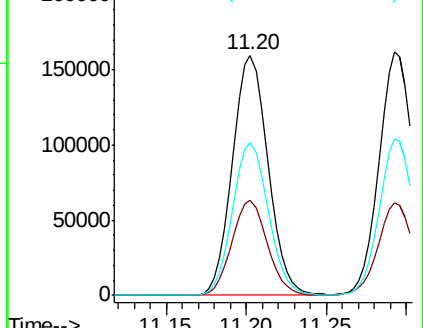
148 63.6 45.4 84.2



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: 45.465 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

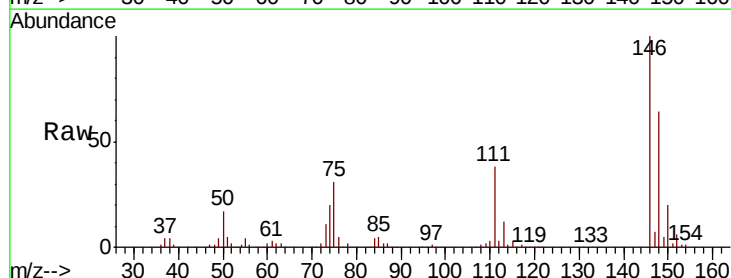
Tgt Ion:146 Resp: 247857

Ion Ratio Lower Upper

146 100

111 38.1 27.1 50.3

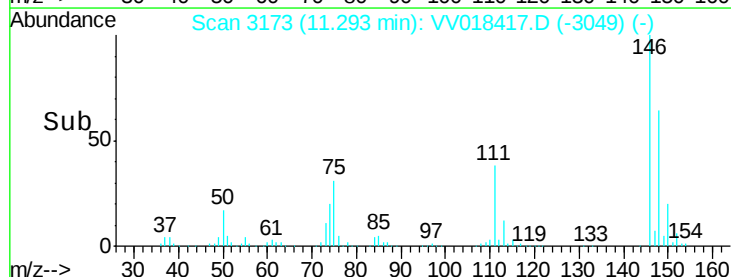
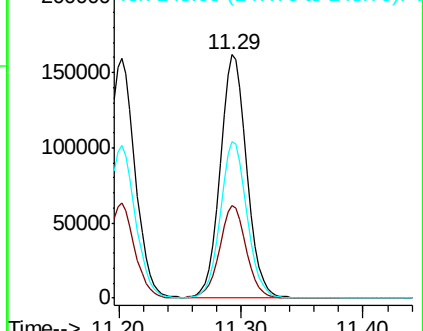
148 64.4 45.4 84.2

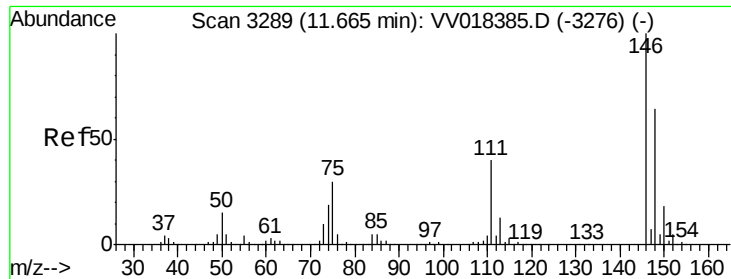


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 44.712 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

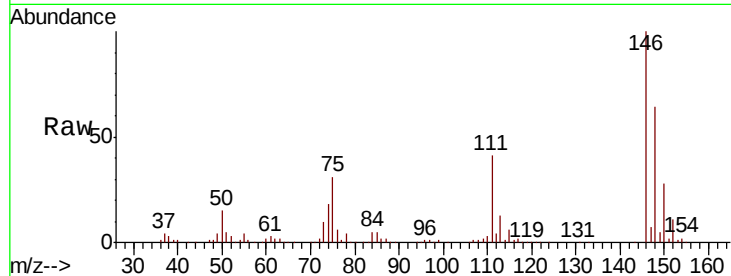
Tot Ion:146 Resp: 239698

Ion Ratio Lower Upper

146 100

111 40.8 32.8 49.2

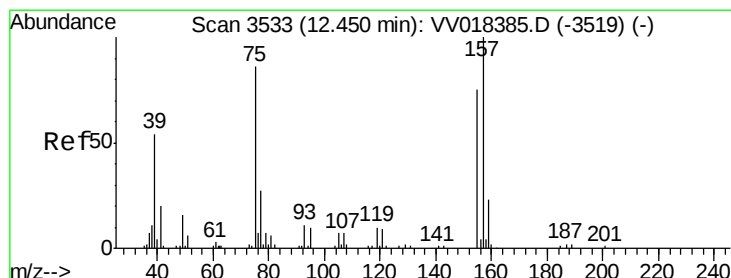
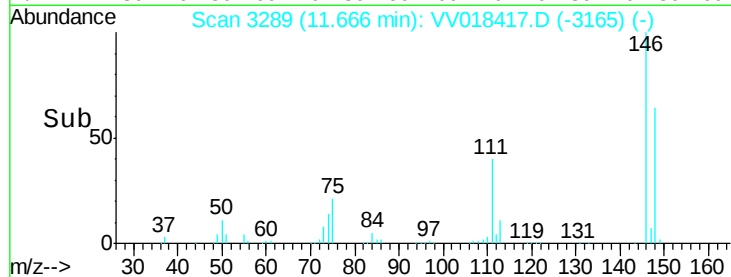
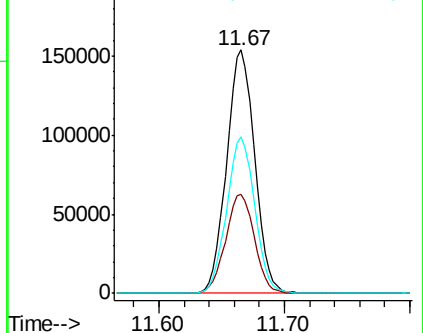
148 64.2 50.7 76.1



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: 44.437 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

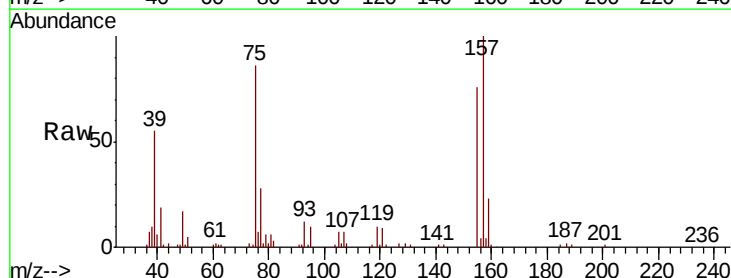
Tgt Ion: 75 Resp: 33617

Ion Ratio Lower Upper

75 100

155 88.2 69.7 104.5

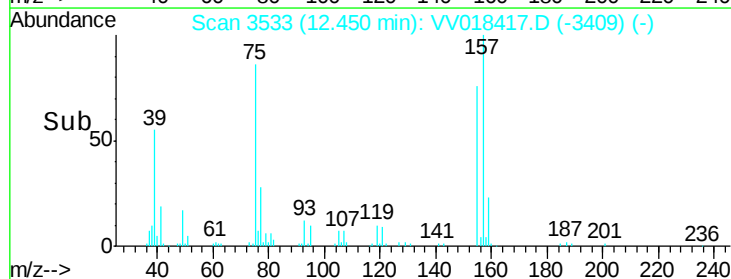
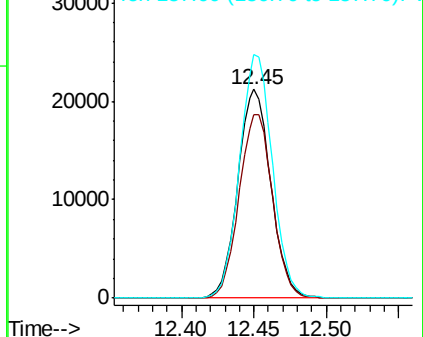
157 116.7 88.2 132.4

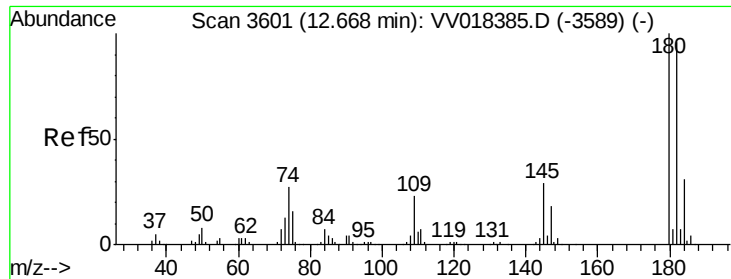


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

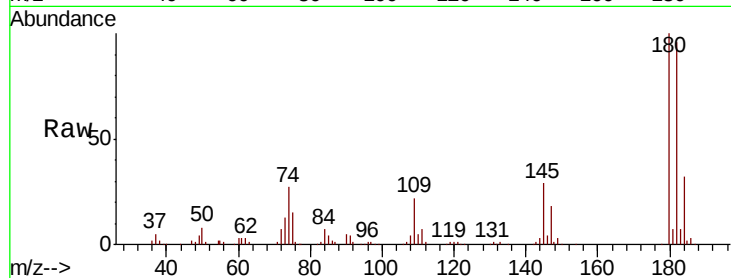




#67
 1,3,5-Trichlorobenzene
 Concen: 46.323 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018417.D
 Acq: 24 Sep 2020 10:27

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.8	115.2
184	31.0	24.6	36.8
145	28.7	22.7	34.1



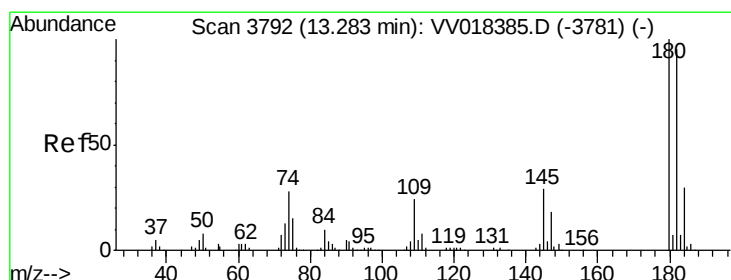
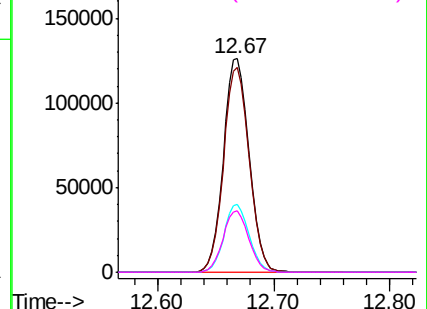
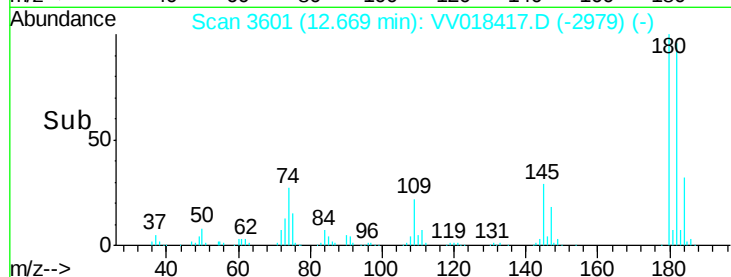
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

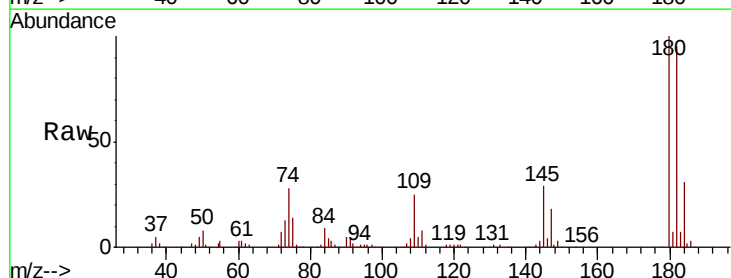
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.907 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018417.D
 Acq: 24 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.4	116.2
145	29.3	23.2	34.8

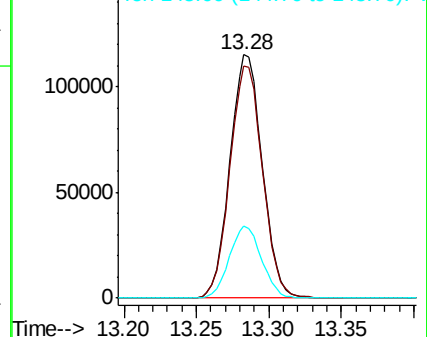
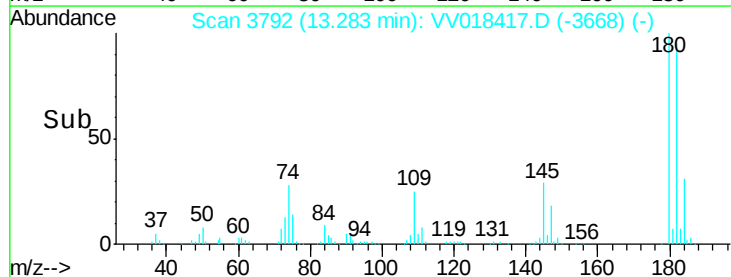


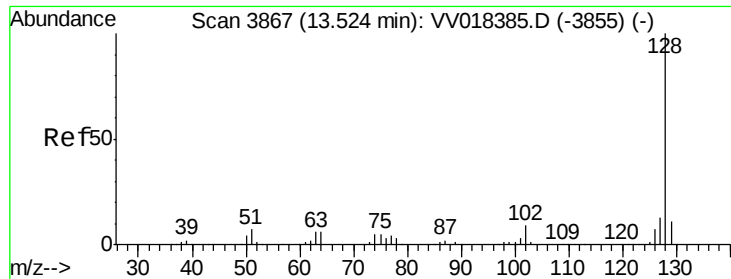
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.937 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

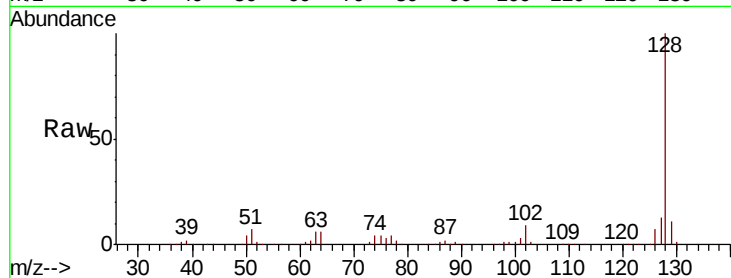
Tot Ion:128 Resp: 489326

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

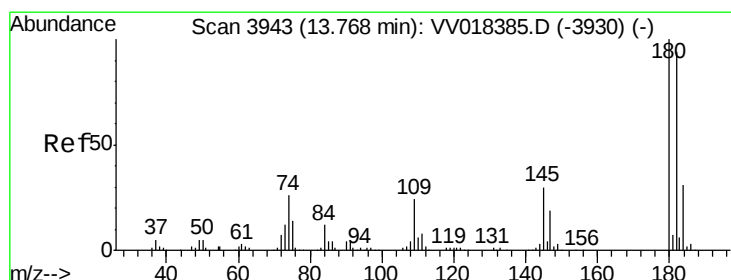
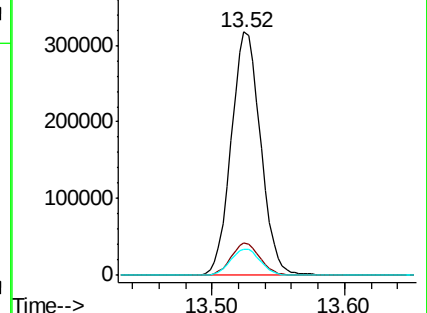
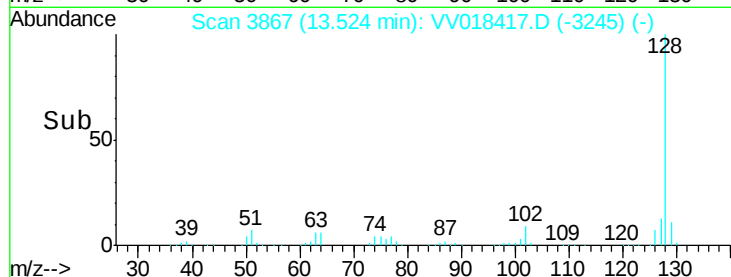
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.902 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018417.D

Acq: 24 Sep 2020 10:27

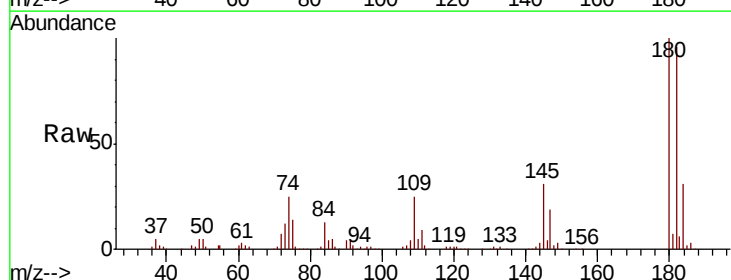
Tgt Ion:180 Resp: 179339

Ion Ratio Lower Upper

180 100

182 95.7 76.5 114.7

145 31.1 24.9 37.3



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

