

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019152.D
 Acq On : 29 Oct 2020 16:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 30 05:31:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 16:00:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	261242	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	252681	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	138640	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93621	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.20%
7) Chloroethane-d5	1.58	69	71663	44.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.86%
11) 1,1-Dichloroethene-d2	2.12	63	173830	44.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.02%
21) 2-Butanone-d5	3.91	46	119129	93.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.69%
24) Chloroform-d	4.38	84	175948	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.12%
26) 1,2-Dichloroethane-d4	5.06	65	122319	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.92%
32) Benzene-d6	5.07	84	328898	45.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.78%
36) 1,2-Dichloropropane-d6	6.09	67	97157	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.92%
41) Toluene-d8	7.34	98	312462	45.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.76%
43) trans-1,3-Dichloropropene-	7.64	79	58382	47.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.42%
47) 2-Hexanone-d5	8.11	63	90191	97.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.44%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	132244	45.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	130105	44.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	98744	43.047	ug/L 98
3) Chloromethane	1.25	50	90183	43.293	ug/L 97
5) Vinyl chloride	1.32	62	92252	43.257	ug/L 99
6) Bromomethane	1.53	94	62669	43.869	ug/L 98
8) Chloroethane	1.60	64	57498	43.360	ug/L 99
9) Trichlorofluoromethane	1.77	101	154873	43.571	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	73617	43.036	ug/L 99
12) 1,1-Dichloroethene	2.13	96	72866	43.495	ug/L 99
13) Acetone	2.19	43	90340	76.475	ug/L 97
14) Carbon disulfide	2.31	76	235111	44.153	ug/L 100
15) Methyl Acetate	2.45	43	87558	45.993	ug/L 99
16) Methylene chloride	2.52	84	82210	43.216	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	80297	44.626	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	268696	44.596	ug/L 100
19) 1,1-Dichloroethane	3.21	63	147643	44.042	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	87517	44.318	ug/L 99
22) 2-Butanone	3.99	43	116601	90.620	ug/L 99

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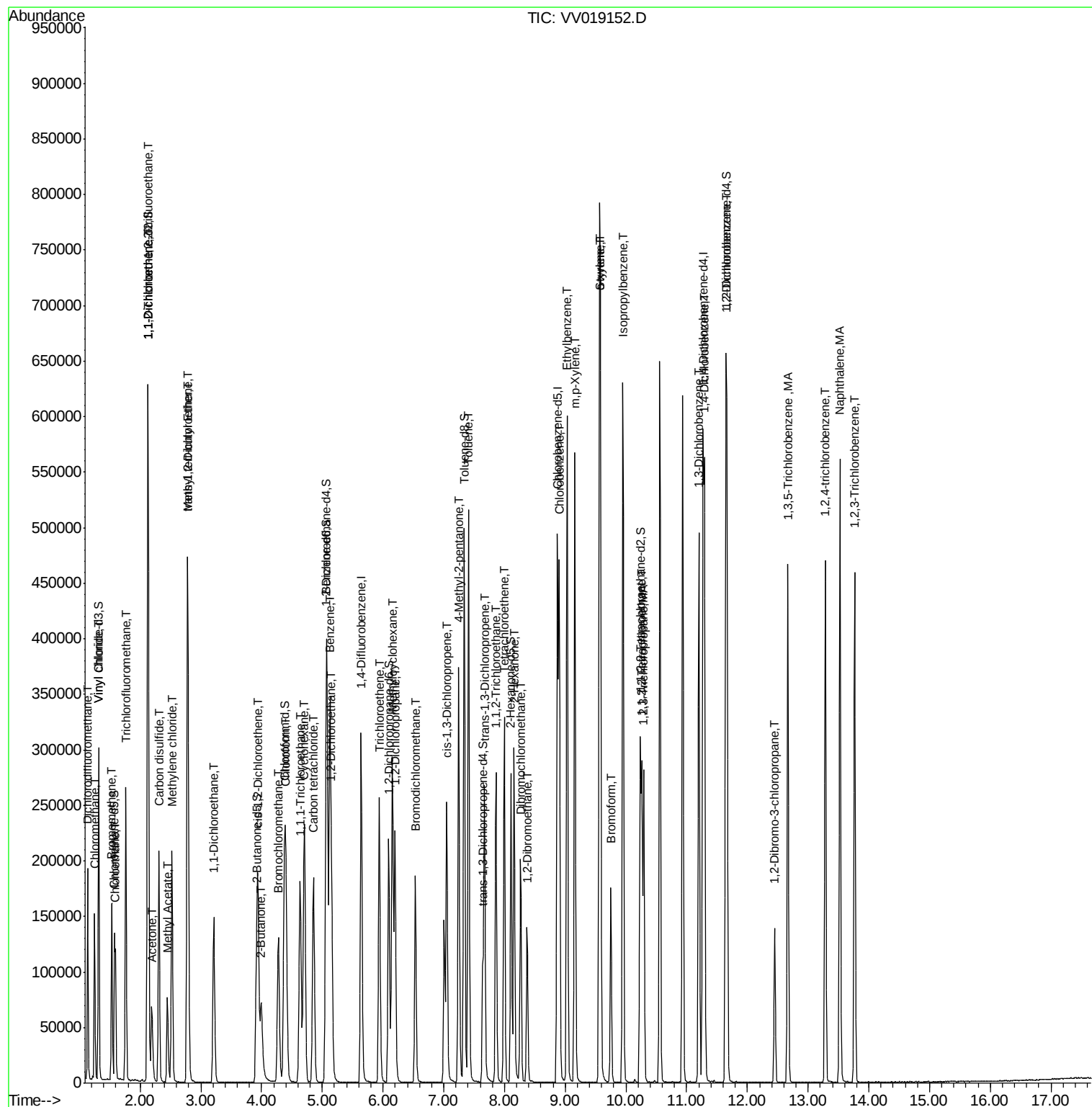
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	46430	43.815	ug/L	98
25) Chloroform	4.40	83	158740	43.819	ug/L	100
27) 1,2-Dichloroethane	5.15	62	131852	42.753	ug/L	100
29) Cyclohexane	4.70	56	126089	44.698	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	150483	43.948	ug/L	99
31) Carbon tetrachloride	4.86	117	133244	43.883	ug/L	100
33) Benzene	5.13	78	323140	44.355	ug/L	100
34) Trichloroethene	5.94	95	86789	43.486	ug/L	98
35) Methylcyclohexane	6.15	83	120313	44.654	ug/L	99
37) 1,2-Dichloropropane	6.20	63	81749	45.184	ug/L	100
38) Bromodichloromethane	6.53	83	120525	44.781	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	136121	45.549	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	233908	93.717	ug/L	100
42) Toluene	7.41	91	359916	45.065	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	142268	45.764	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	80681	44.463	ug/L	97
46) Tetrachloroethene	8.00	164	73930	43.380	ug/L	98
48) 2-Hexanone	8.16	43	180006	90.737	ug/L	99
49) Dibromochloromethane	8.27	129	98191	44.693	ug/L	98
50) 1,2-Dibromoethane	8.37	107	88970	45.956	ug/L	96
51) Chlorobenzene	8.90	112	230159	43.955	ug/L	98
52) Ethylbenzene	9.03	91	395592	44.951	ug/L	99
53) m,p-Xylene	9.16	106	149826	45.075	ug/L	98
54) o-xylene	9.56	106	143605	44.998	ug/L	95
55) Styrene	9.58	104	257278	45.485	ug/L	99
56) Isopropylbenzene	9.95	105	392123	45.720	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	122617	44.378	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	106708	45.116	ug/L	98
61) Bromoform	9.75	173	75819	44.334	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	194594	44.498	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	196421	43.219	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	192406	44.414	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33466	45.149	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	144286	44.821	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	139150	46.136	ug/L	100
69) Naphthalene	13.52	128	414911	49.114	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	139511	47.267	ug/L	99

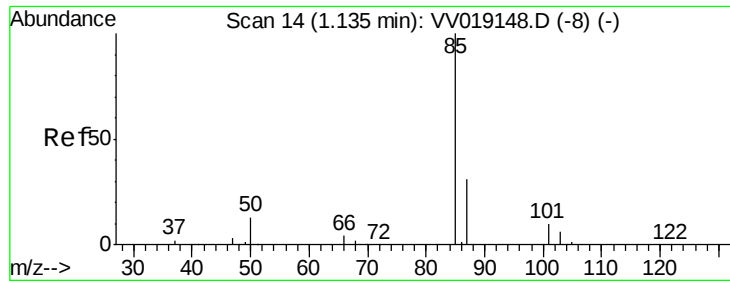
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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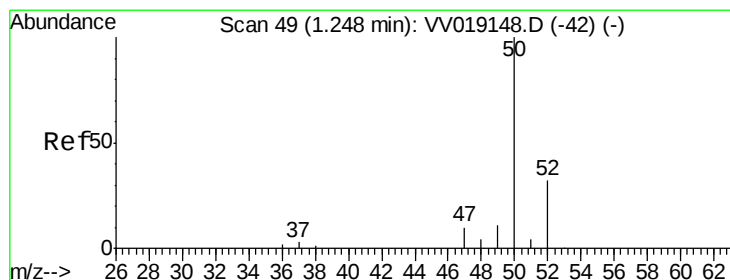
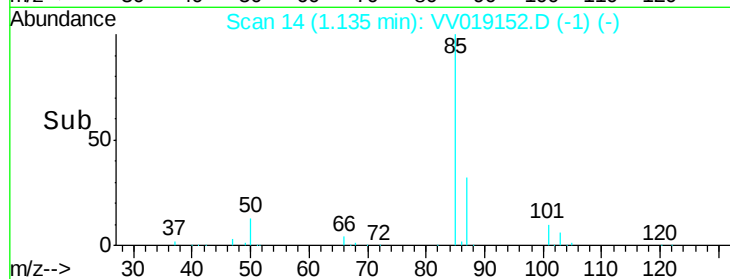
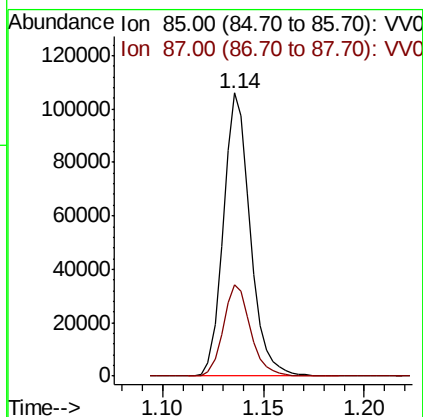
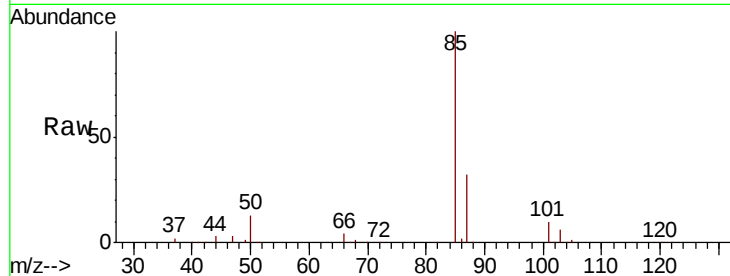




#2
 Dichlorodifluoromethane
 Concen: 43.047 ug/L
 RT: 1.14 min Scan# 14
 Delta R.T. 0.00 min
 Lab File: VV019152.D
 Acq: 29 Oct 2020 16:51

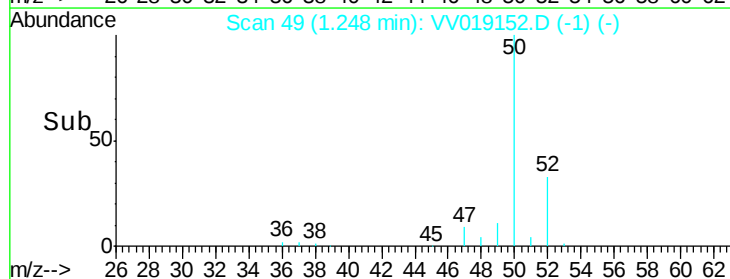
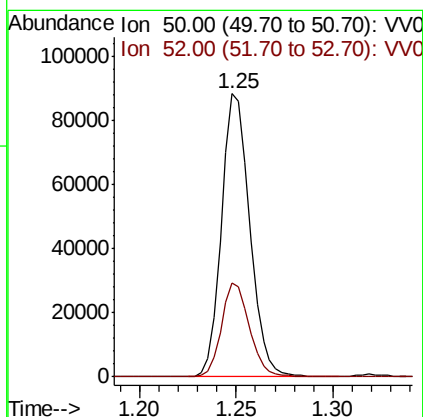
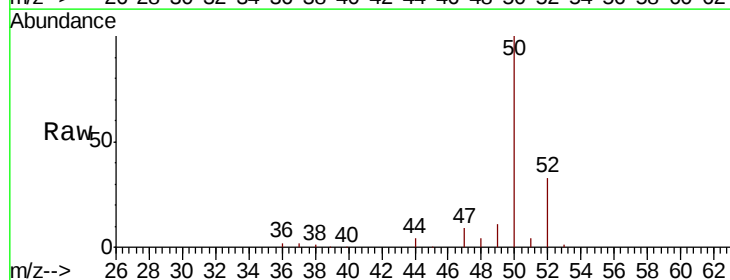
Instrument :
 MSVOA_V
 ClientSampled :

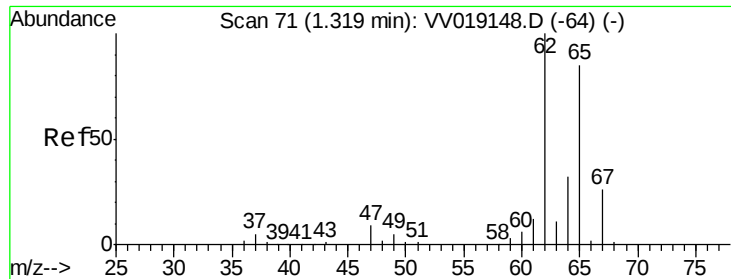
Tot Ion: 85 Resp: 98744
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.3 37.9



#3
 Chloromethane
 Concen: 43.293 ug/L
 RT: 1.25 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VV019152.D
 Acq: 29 Oct 2020 16:51

Tgt Ion: 50 Resp: 90183
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.1 41.1





#5

Vinyl chloride

Concen: 43.257 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

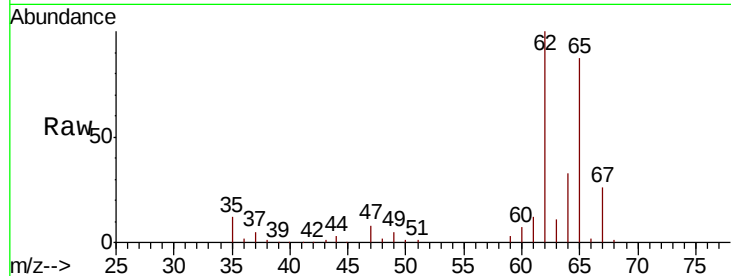
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 92252

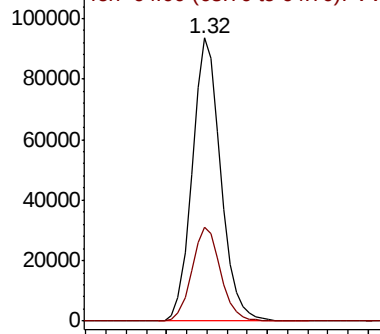
Ion Ratio Lower Upper

62 100

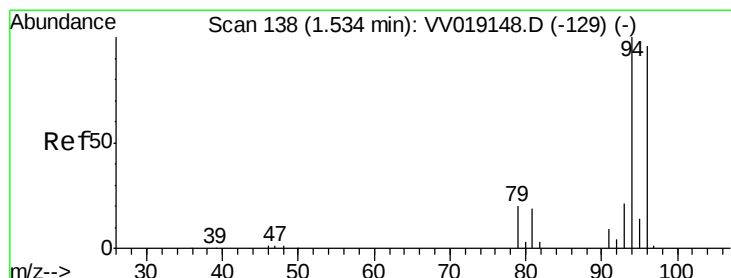
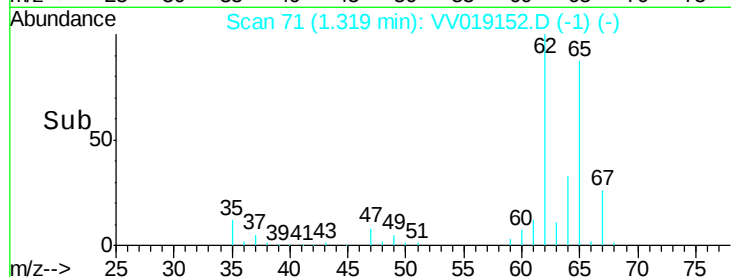
64 33.3 22.7 42.3



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



Time-->



#6

Bromomethane

Concen: 43.869 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019152.D

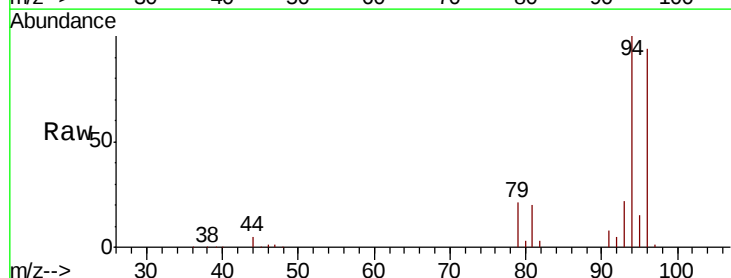
Acq: 29 Oct 2020 16:51

Tgt Ion: 94 Resp: 62669

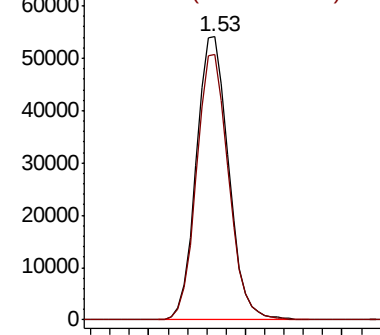
Ion Ratio Lower Upper

94 100

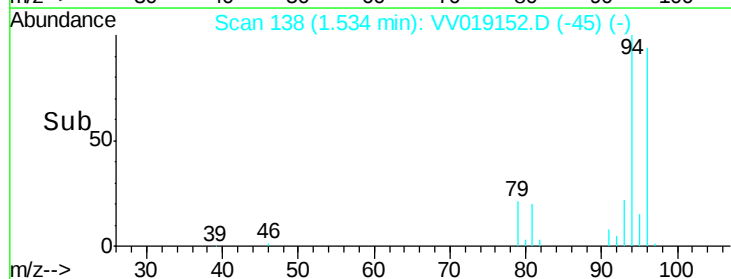
96 93.8 67.0 124.4

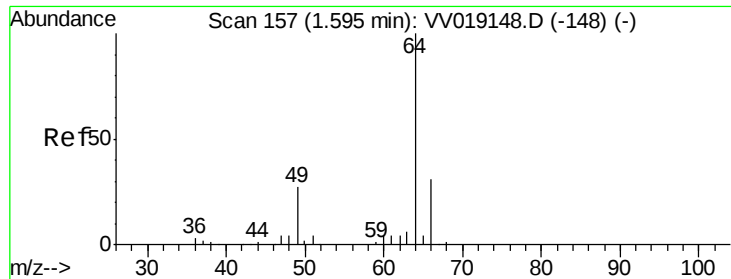


Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0



Time-->

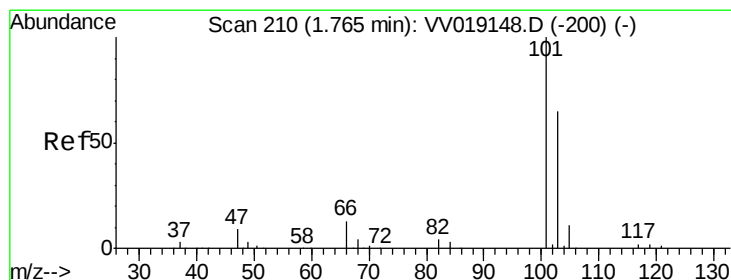
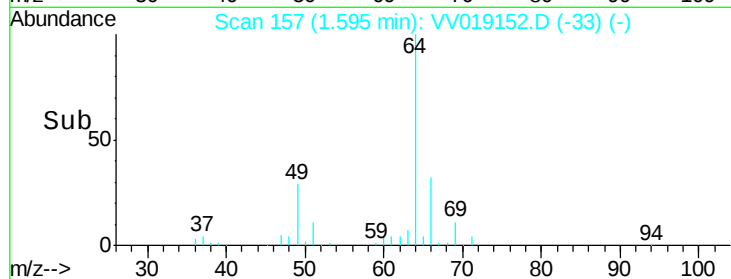
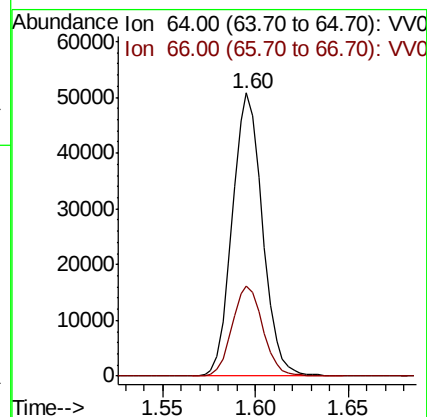
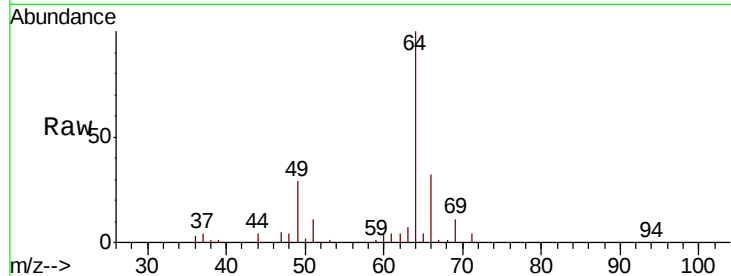




#8
Chloroethane
Concen: 43.360 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV019152.D
Acq: 29 Oct 2020 16:51

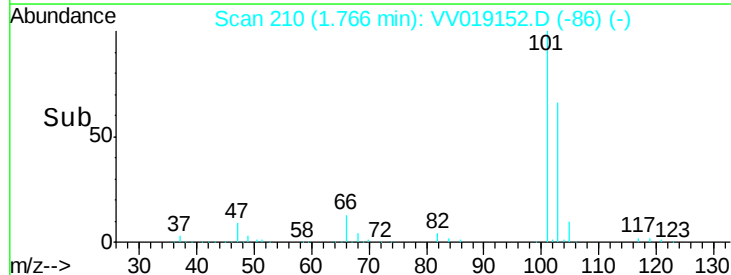
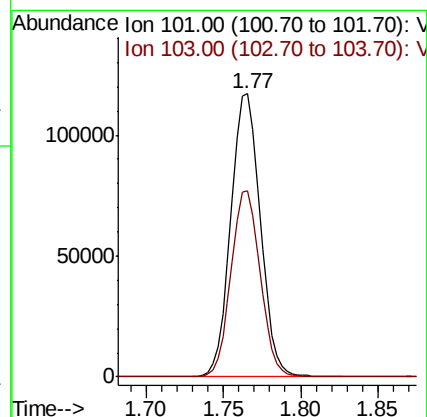
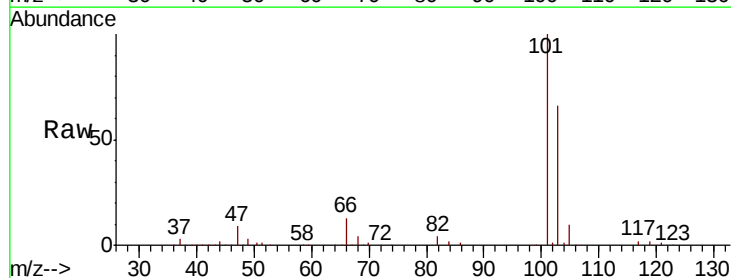
Instrument :
MSVOA_V
ClientSampleId :

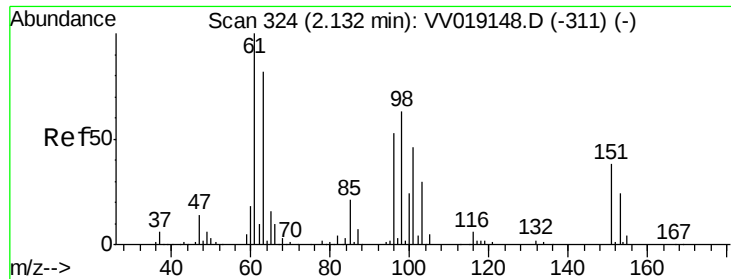
Tot Ion: 64 Resp: 57498
Ion Ratio Lower Upper
64 100
66 31.9 22.0 40.8



#9
Trichlorofluoromethane
Concen: 43.571 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV019152.D
Acq: 29 Oct 2020 16:51

Tgt Ion: 101 Resp: 154873
Ion Ratio Lower Upper
101 100
103 65.0 51.9 77.9





#10

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

Concen: 43.036 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

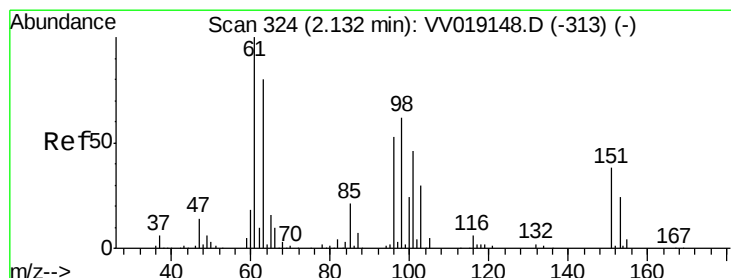
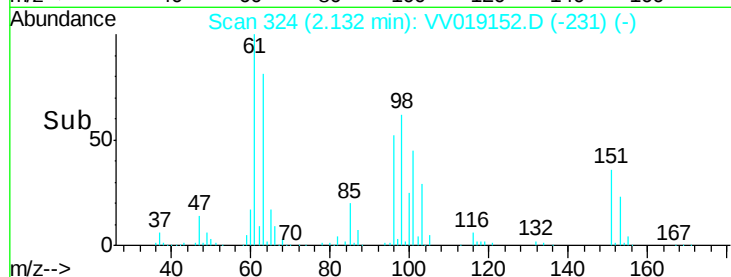
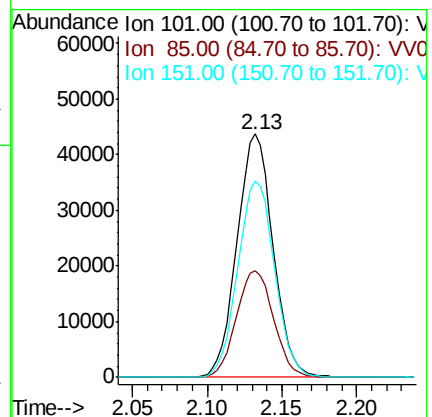
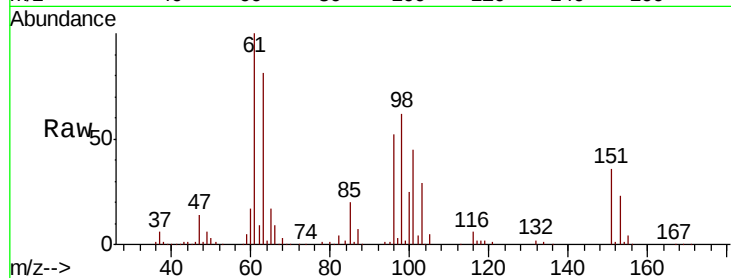
Instrument :

MSVOA_V

ClientSampled :

Tot Ion:101 Resp: 73617

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.1	54.1
151	82.4	65.0	97.4



#12

1,1-Dichloroethene

Concen: 43.495 ug/L

RT: 2.13 min Scan# 324

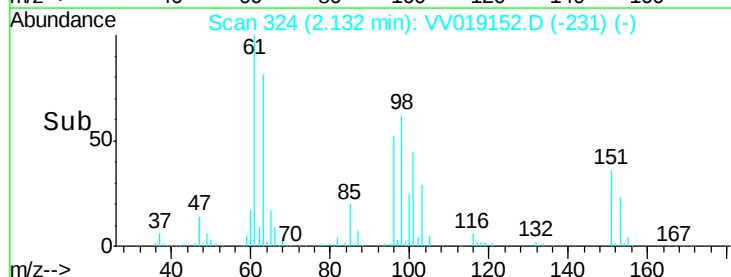
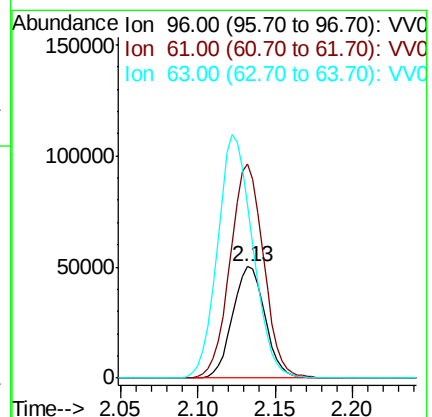
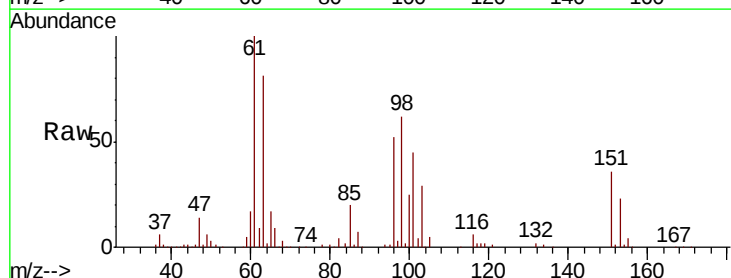
Delta R.T. 0.00 min

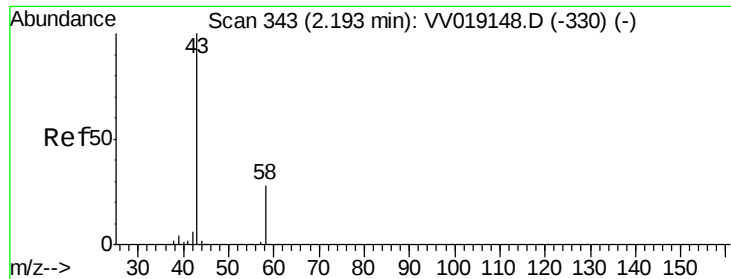
Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Tgt Ion: 96 Resp: 72866

Ion	Ratio	Lower	Upper
96	100		
61	192.6	132.6	246.2
63	155.2	108.4	201.4





#13

Acetone

Concen: 76.475 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV019152.D

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Instrument :

MSVOA_V

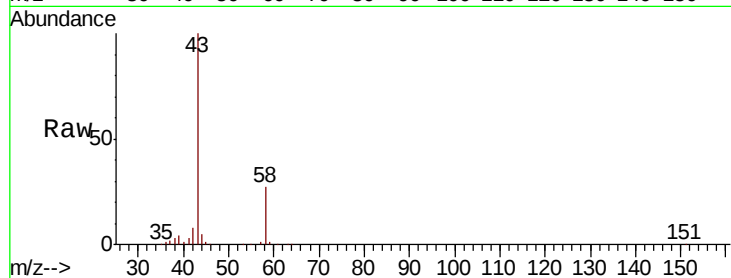
ClientSampleId :

Tot Ion: 43 Resp: 90340

Ion Ratio Lower Upper

43 100

58 28.1 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

40000

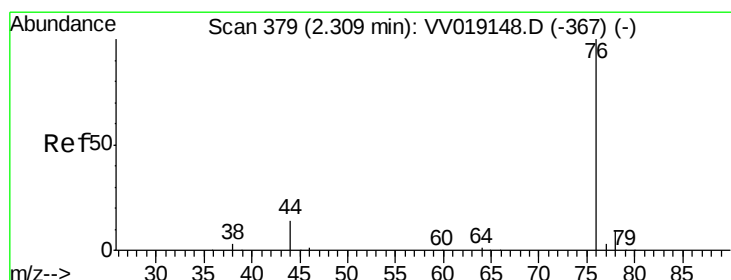
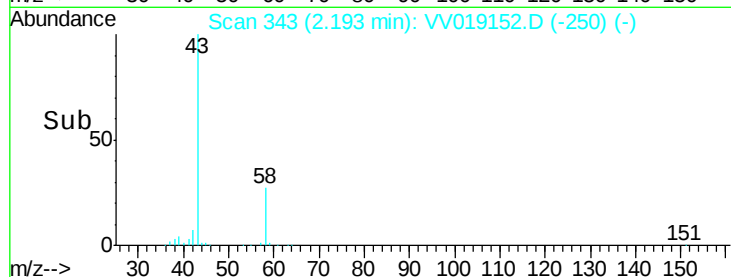
30000

20000

10000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 44.153 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019152.D

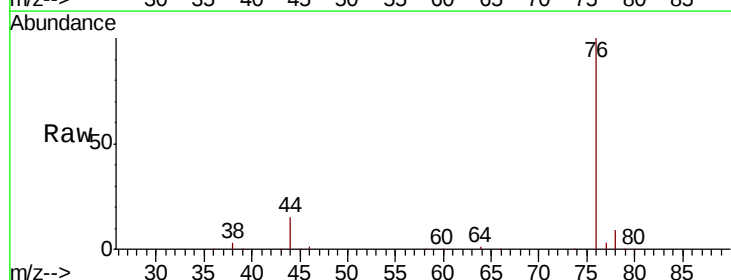
Acq: 29 Oct 2020 16:51

Tgt Ion: 76 Resp: 235111

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

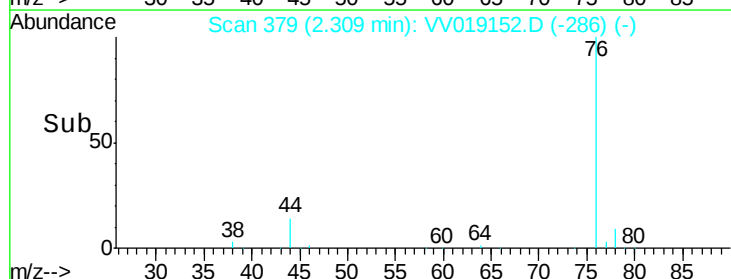
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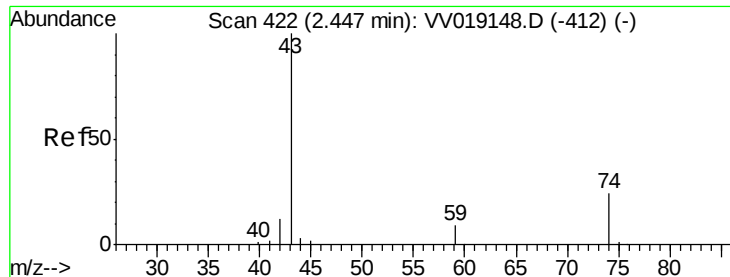
100000

50000

0

Time--> 2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 45.993 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Instrument :

MSVOA_V

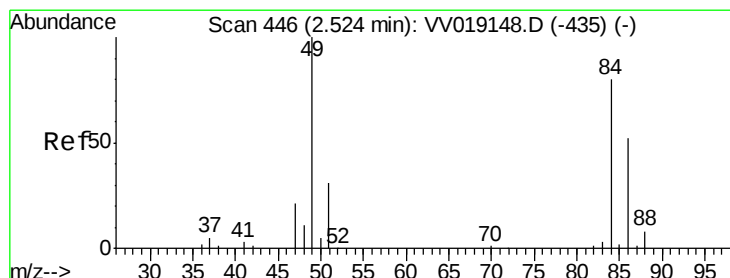
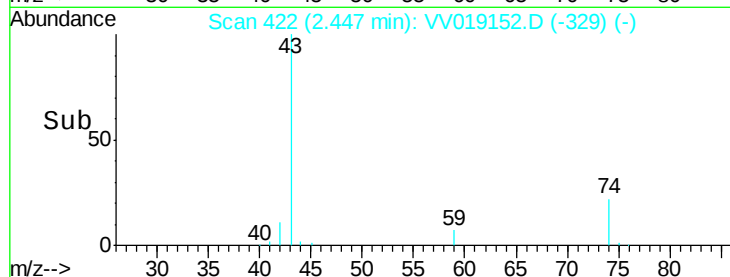
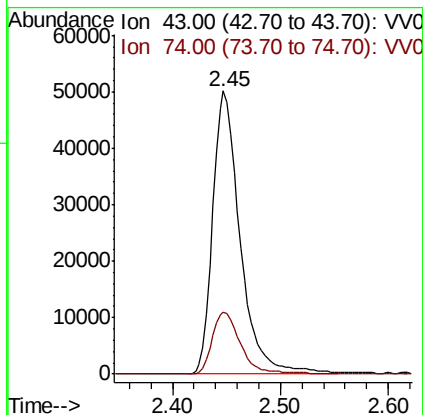
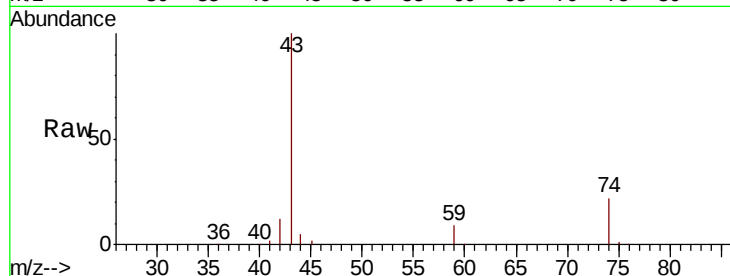
ClientSampled :

Tot Ion: 43 Resp: 87558

Ion Ratio Lower Upper

43 100

74 22.8 18.4 27.6



#16

Methylene chloride

Concen: 43.216 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

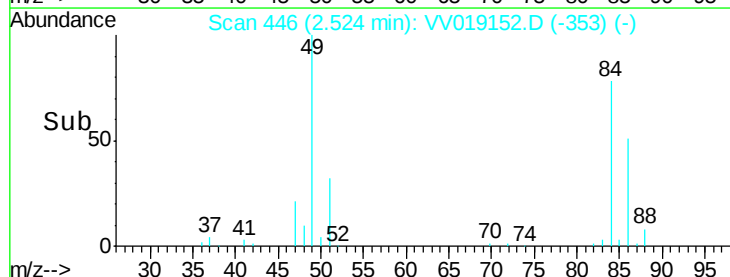
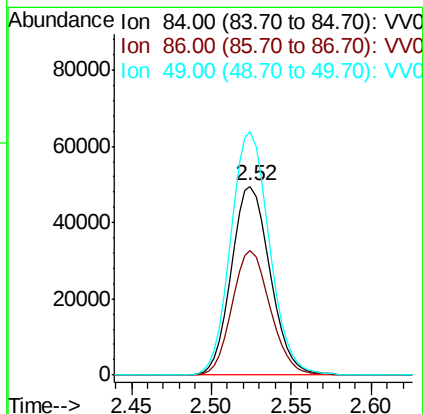
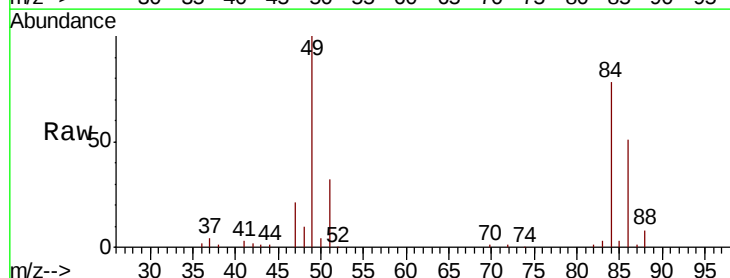
Tgt Ion: 84 Resp: 82210

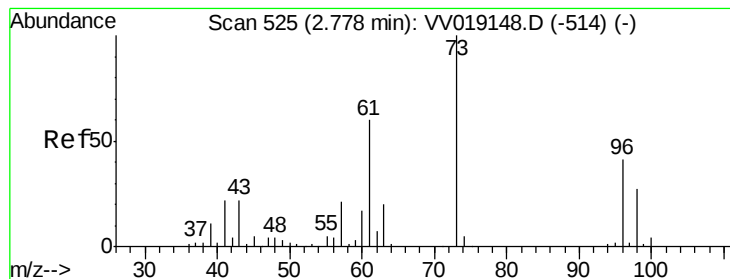
Ion Ratio Lower Upper

84 100

86 65.9 46.0 85.4

49 128.8 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 44.626 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

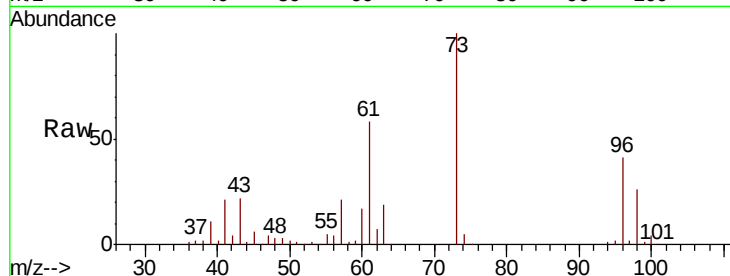
Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 80297

Ion	Ratio	Lower	Upper
96	100		
61	140.9	102.4	190.2
98	64.6	45.9	85.3

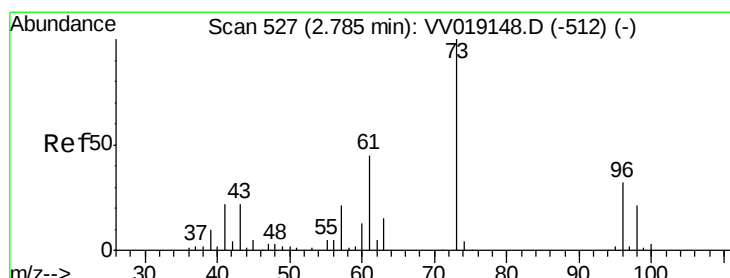
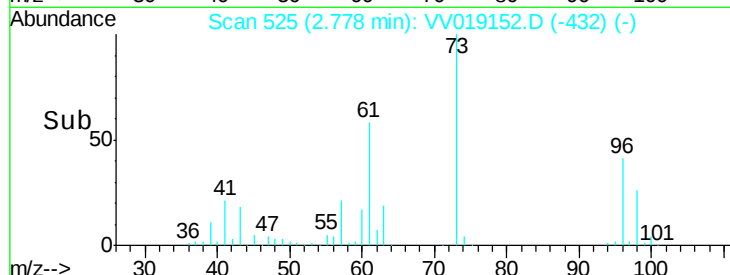
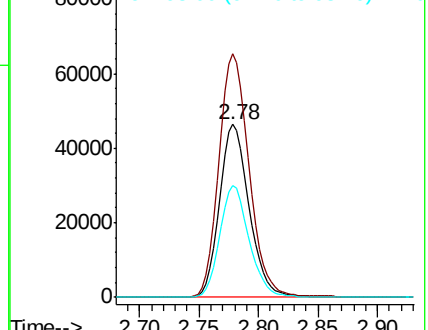


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 44.596 ug/L

RT: 2.78 min Scan# 527

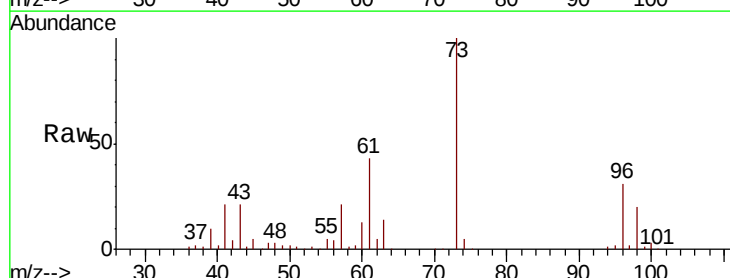
Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Tgt Ion: 73 Resp: 268696

Ion	Ratio	Lower	Upper
73	100		
43	22.2	17.9	26.9
57	21.1	17.1	25.7

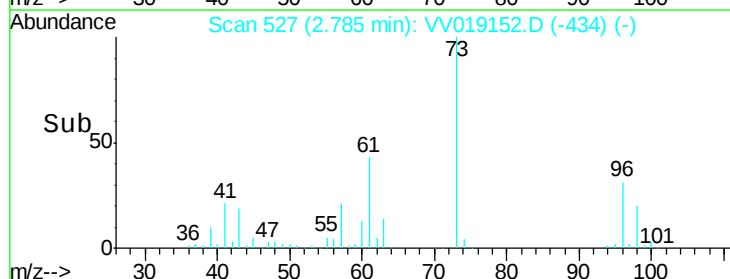
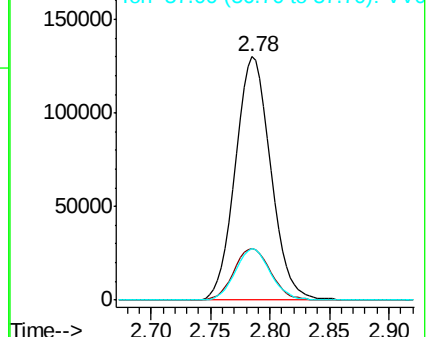


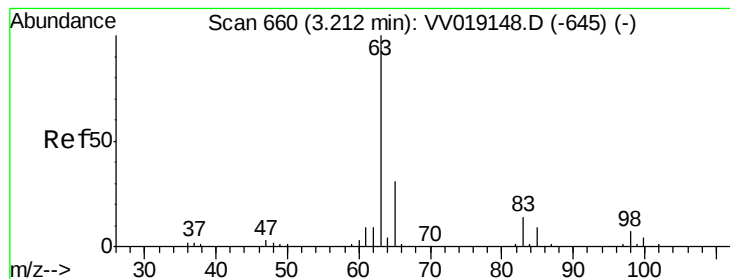
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 44.042 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Instrument :

MSVOA_V

ClientSampleId :

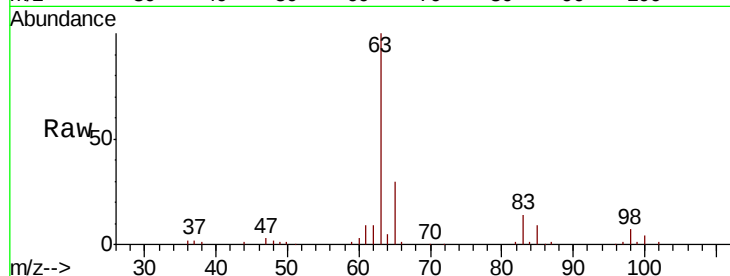
Tot Ion: 63 Resp: 147643

Ion Ratio Lower Upper

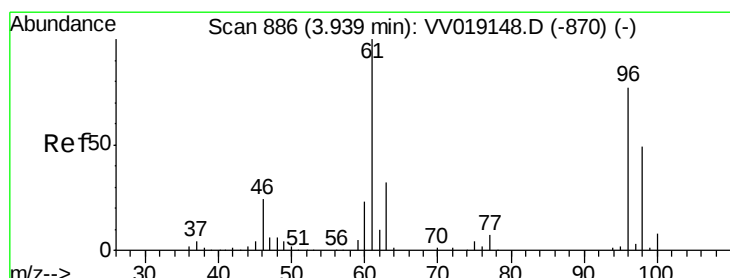
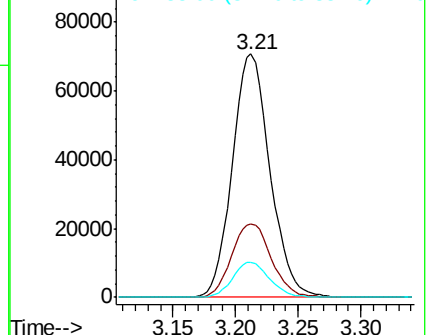
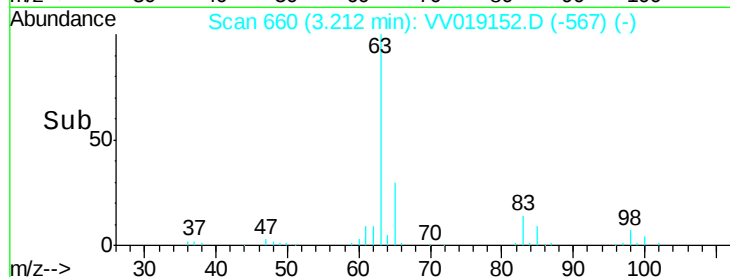
63 100

65 30.1 22.0 40.8

83 14.5 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV019152.D (-567) (-)



#20

cis-1,2-Dichloroethene

Concen: 44.318 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

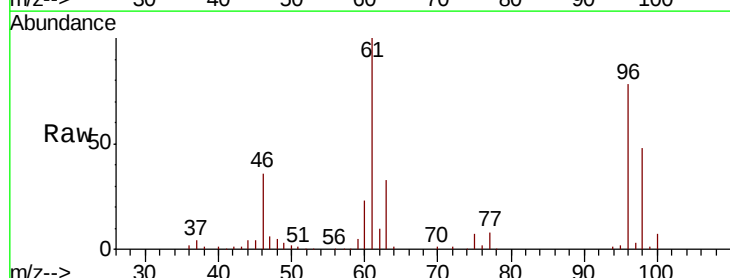
Tgt Ion: 96 Resp: 87517

Ion Ratio Lower Upper

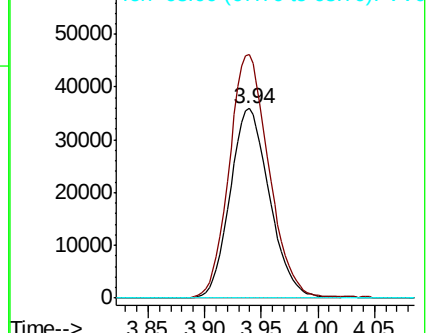
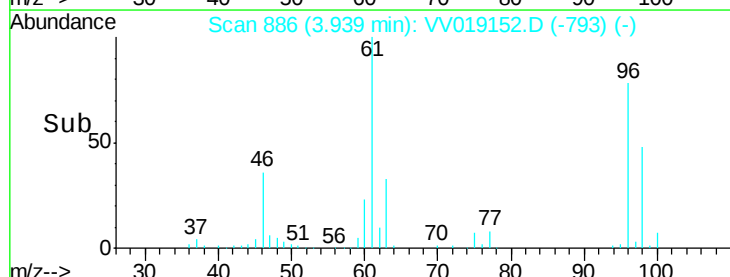
96 100

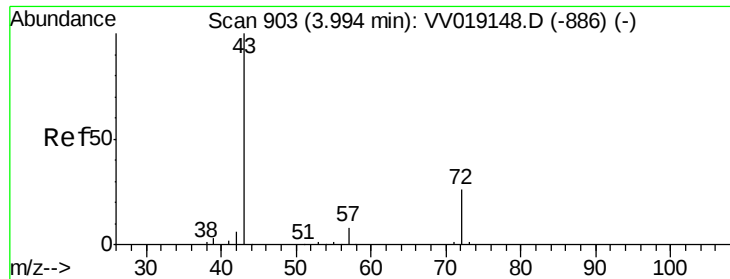
61 128.3 90.7 168.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV019152.D (-793) (-)





#22

2-Butanone

Concen: 90.620 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

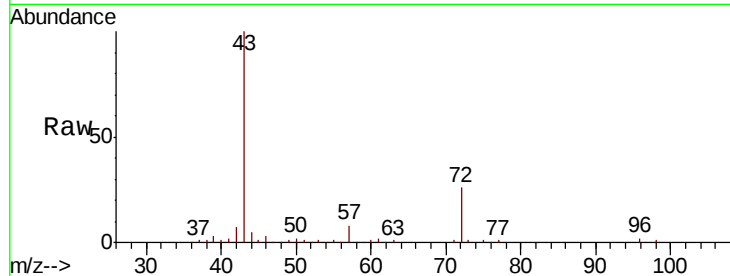
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 116601

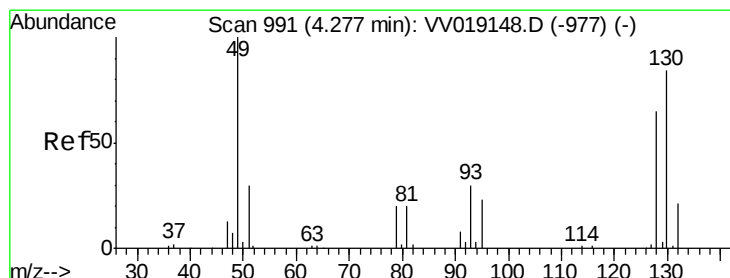
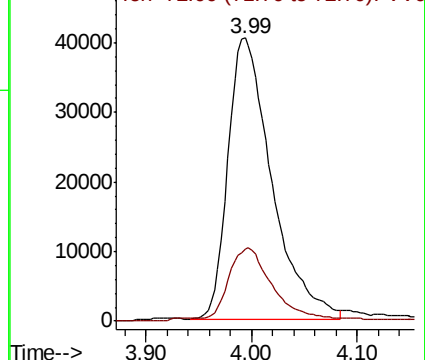
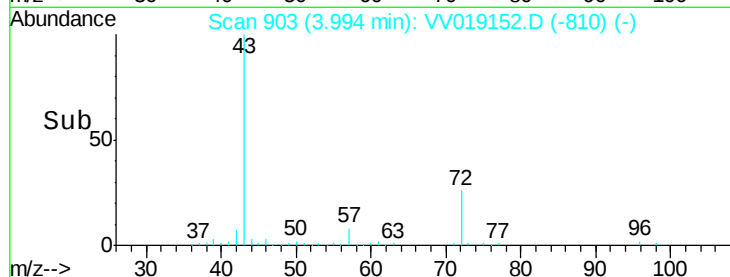
Ion Ratio Lower Upper

43 100

72 24.6 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV019152.D (-810) (-)



#23

Bromochloromethane

Concen: 43.815 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Tgt Ion:128 Resp: 46430

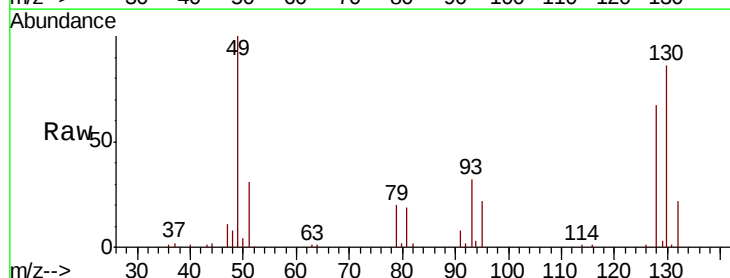
Ion Ratio Lower Upper

128 100

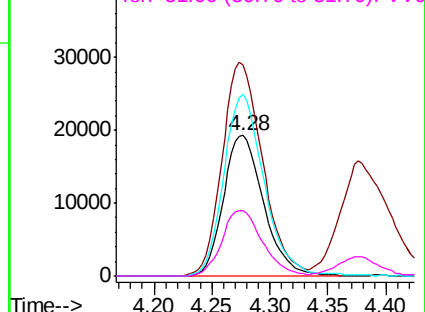
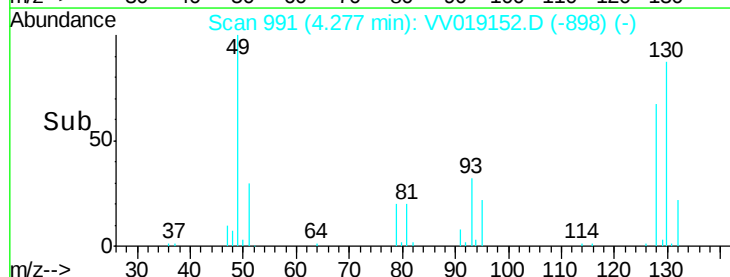
49 150.0 108.5 201.5

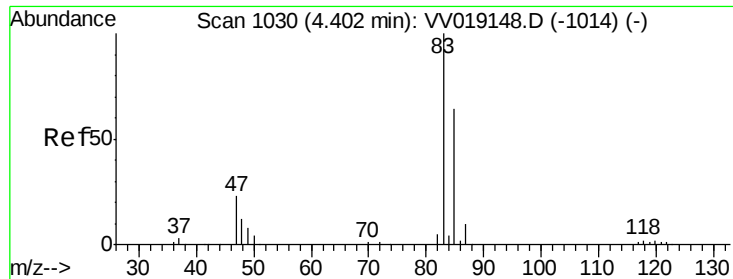
130 129.5 90.4 167.8

51 46.3 36.9 55.3



Abundance Ion 128.00 (127.70 to 128.70): VV019152.D (-898) (-)

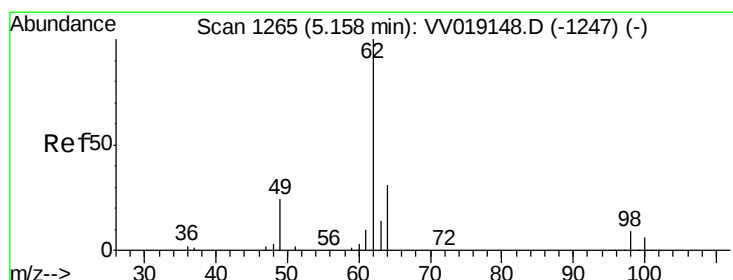
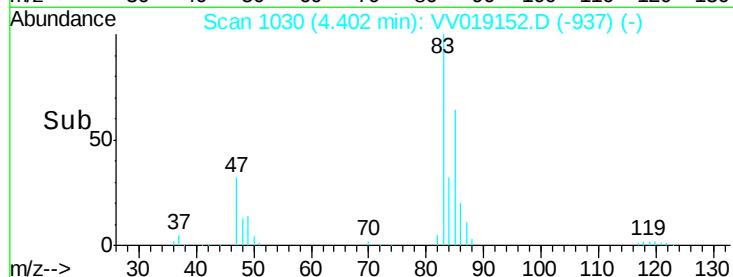
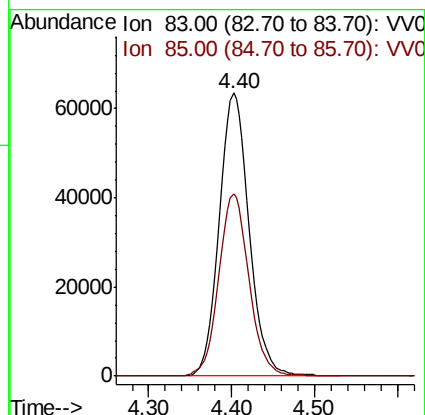
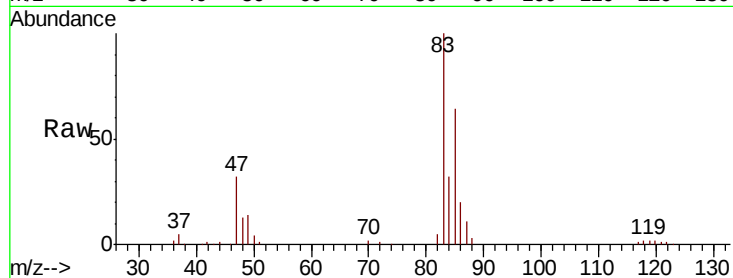




#25
Chloroform
Concen: 43.819 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019152.D
Acq: 29 Oct 2020 16:51

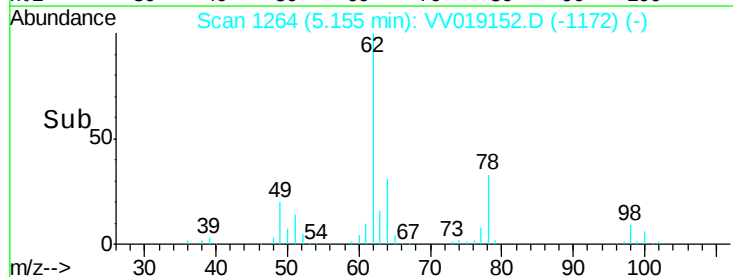
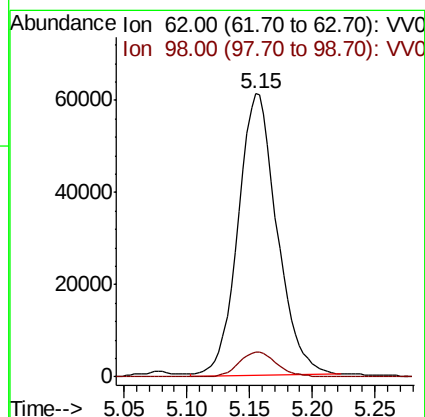
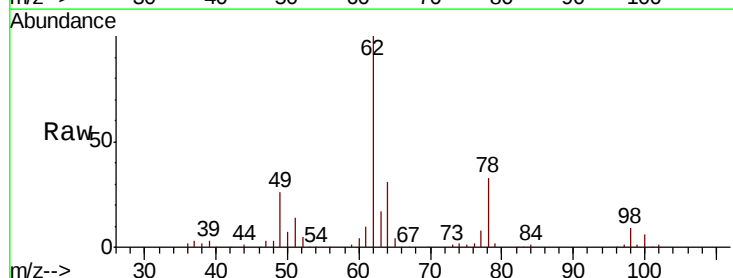
Instrument :
MSVOA_V
ClientSampleId :

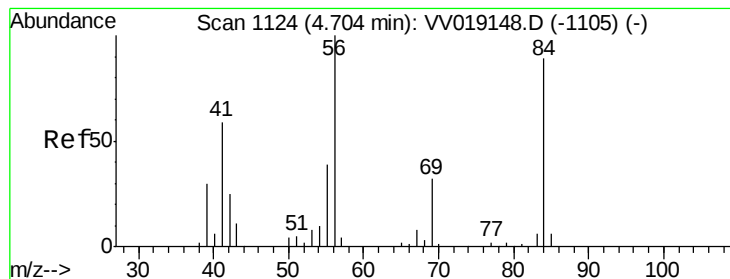
Tot Ion: 83 Resp: 158740
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 42.753 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV019152.D
Acq: 29 Oct 2020 16:51

Tgt Ion: 62 Resp: 131852
Ion Ratio Lower Upper
62 100
98 8.6 6.8 10.2





#29

Cyclohexane

Concen: 44.698 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Instrument :
MSVOA_V
ClientSampled :

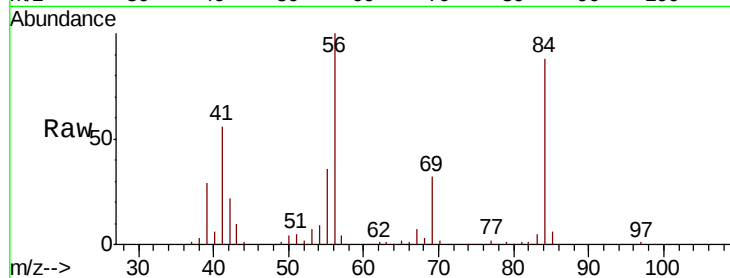
Tot Ion: 56 Resp: 126089

Ion Ratio Lower Upper

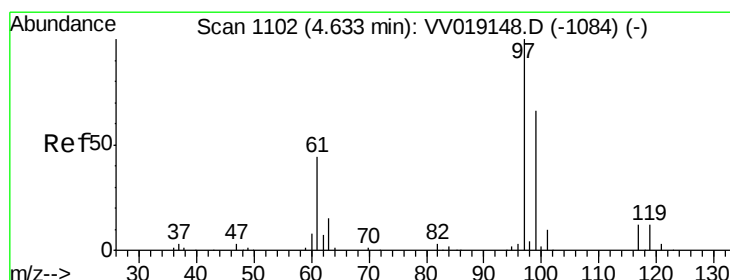
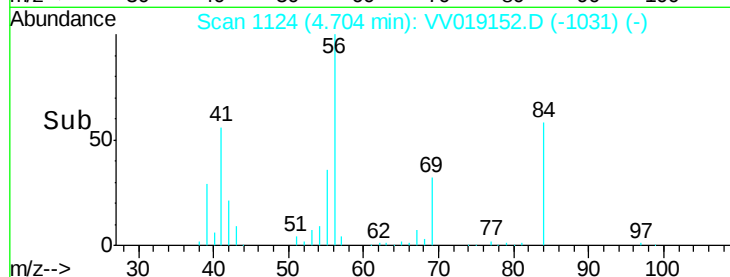
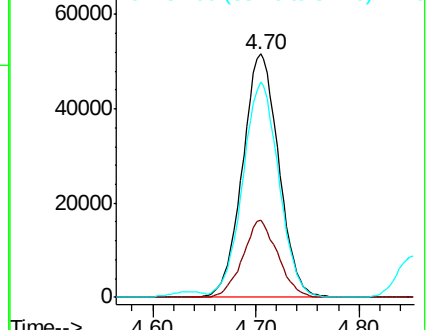
56 100

69 30.5 25.0 37.4

84 88.4 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 43.948 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

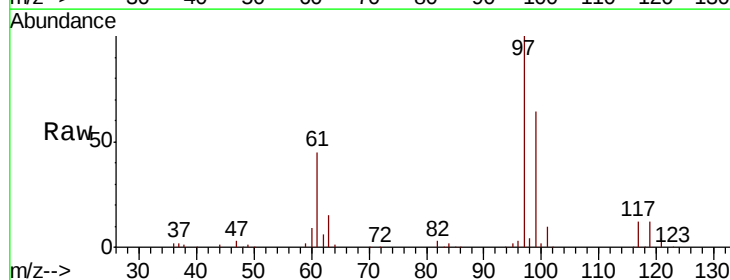
Tgt Ion: 97 Resp: 150483

Ion Ratio Lower Upper

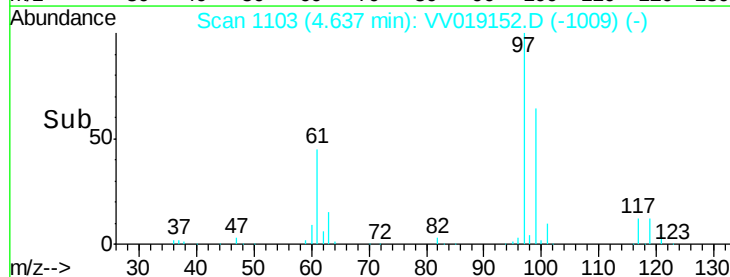
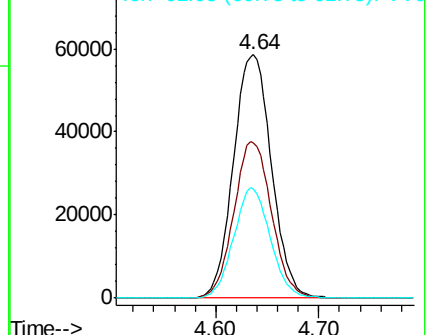
97 100

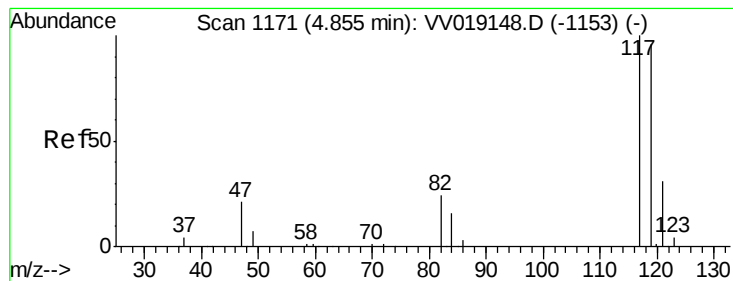
99 63.7 51.3 76.9

61 43.7 34.6 52.0



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 43.883 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Instrument :

MSVOA_V

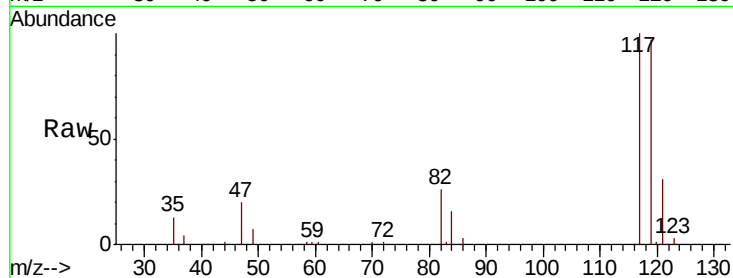
ClientSampled :

Tot Ion:117 Resp: 133244

Ion Ratio Lower Upper

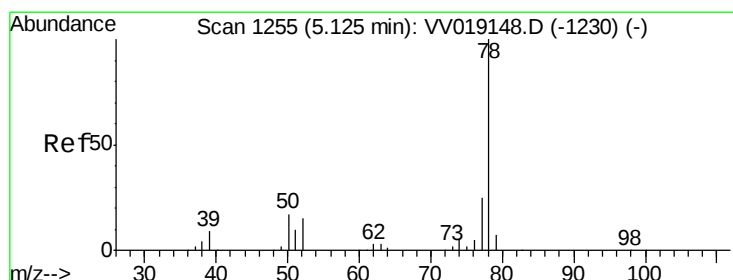
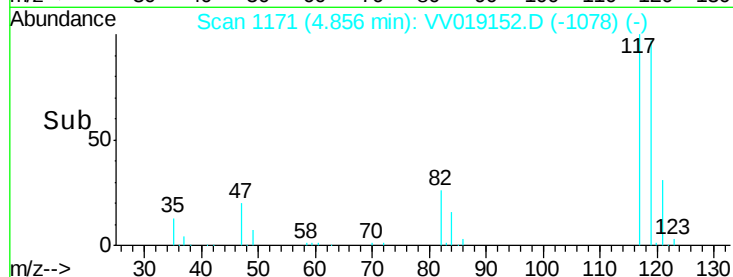
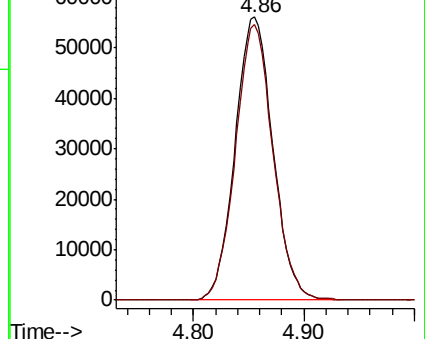
117 100

119 96.6 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 44.355 ug/L

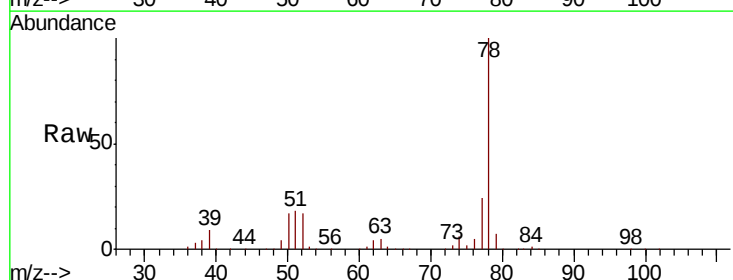
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

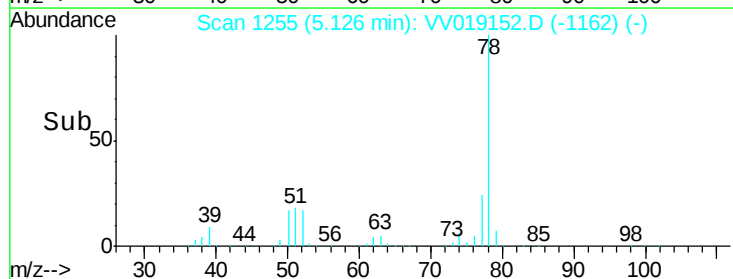
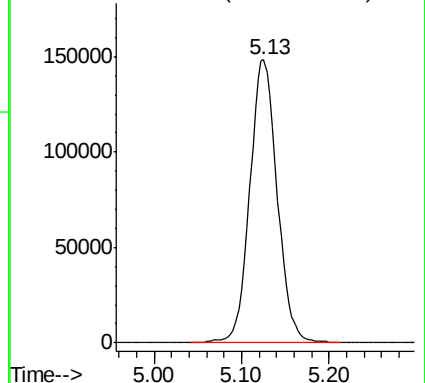
Lab File: VV019152.D

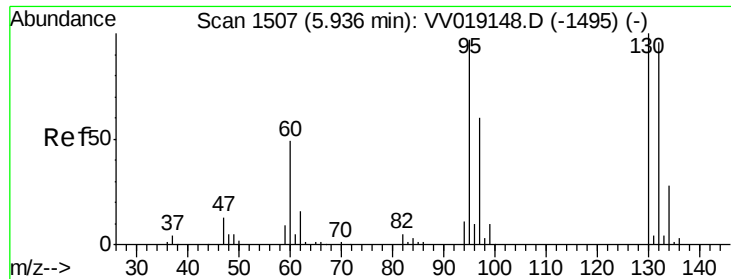
Acq: 29 Oct 2020 16:51

Tgt Ion: 78 Resp: 323140



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 43.486 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 86789

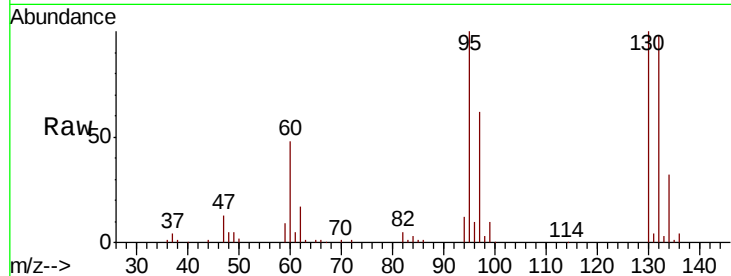
Ion Ratio Lower Upper

95 100

97 62.4 43.4 80.6

132 98.1 69.7 129.4

130 99.8 72.4 134.5

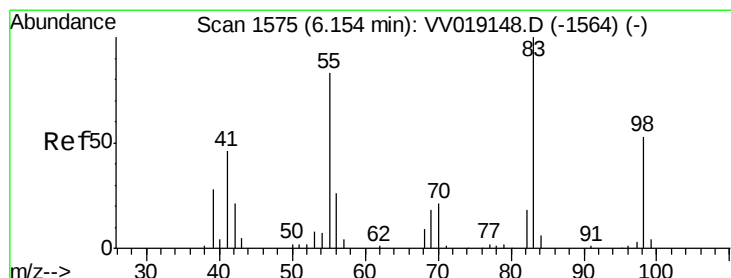
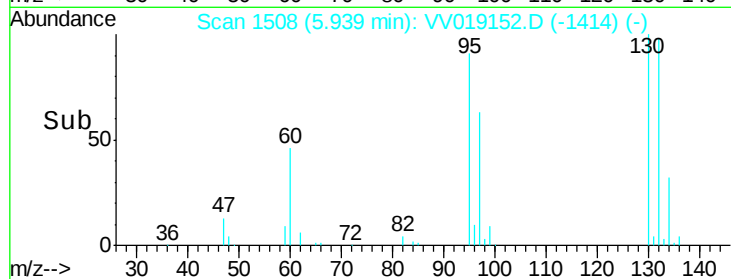
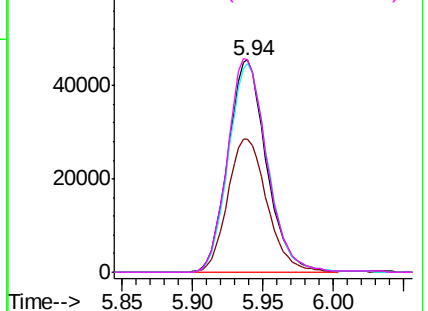


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 44.654 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

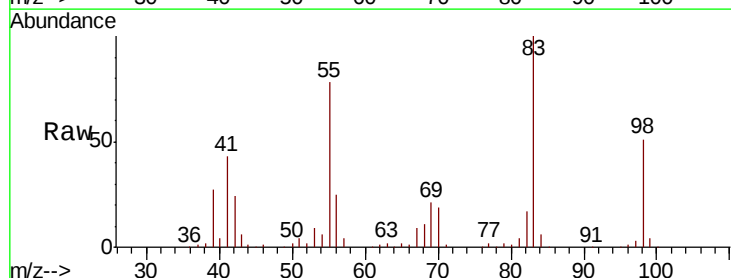
Tgt Ion: 83 Resp: 120313

Ion Ratio Lower Upper

83 100

55 78.6 62.2 93.4

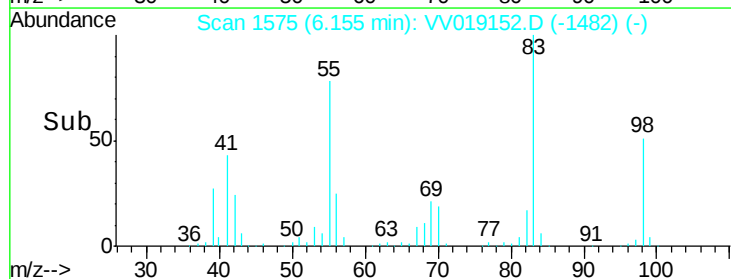
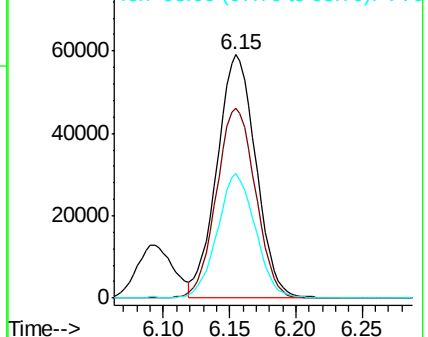
98 50.1 39.4 59.2

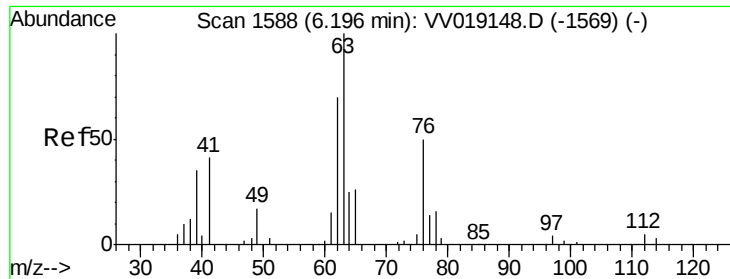


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

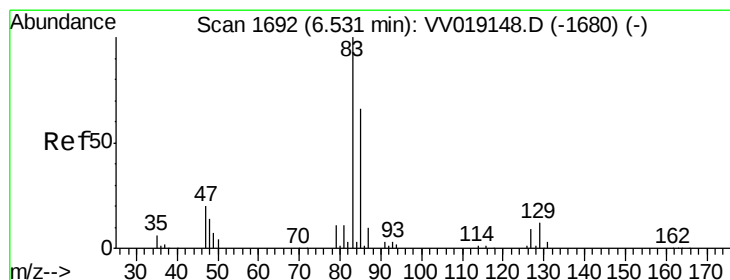
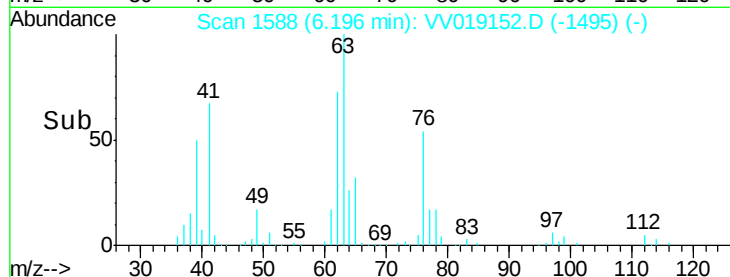
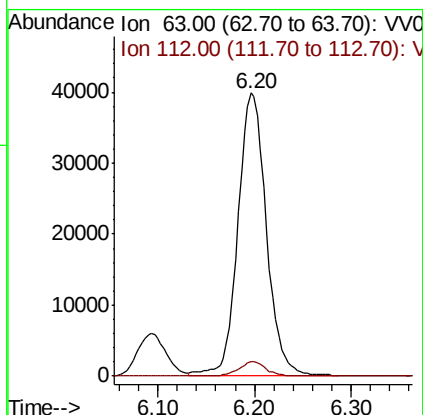
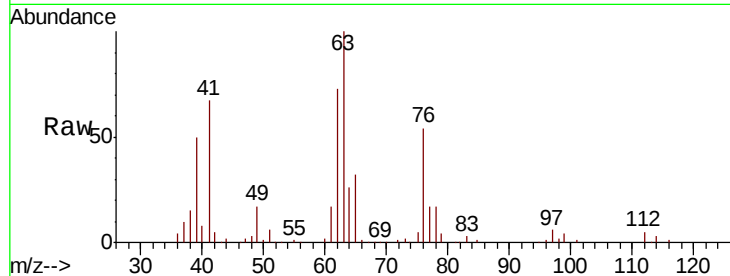




#37
 1,2-Dichloropropane
 Concen: 45.184 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019152.D
 Acq: 29 Oct 2020 16:51

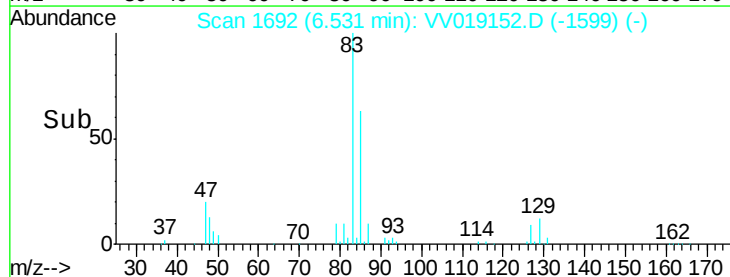
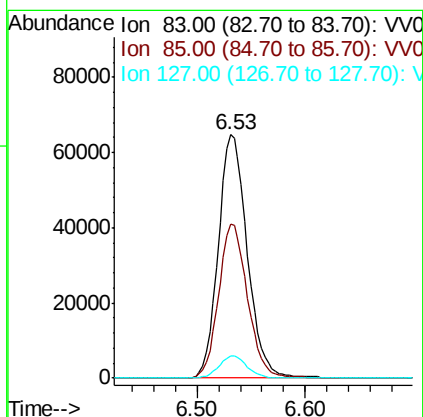
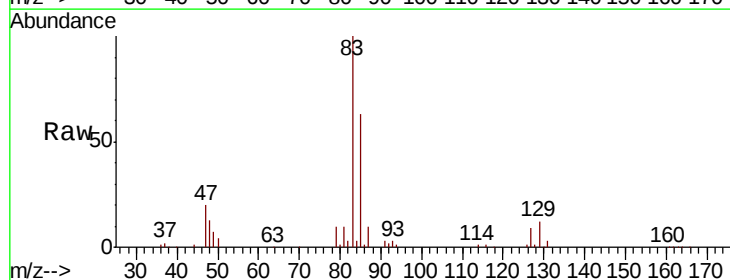
Instrument :
 MSVOA_V
 ClientSampleId :

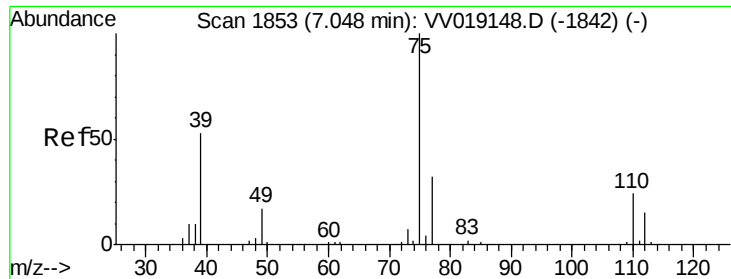
Tot Ion: 63 Resp: 81749
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 44.781 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019152.D
 Acq: 29 Oct 2020 16:51

Tgt Ion: 83 Resp: 120525
 Ion Ratio Lower Upper
 83 100
 85 63.1 45.9 85.3
 127 9.0 6.9 10.3

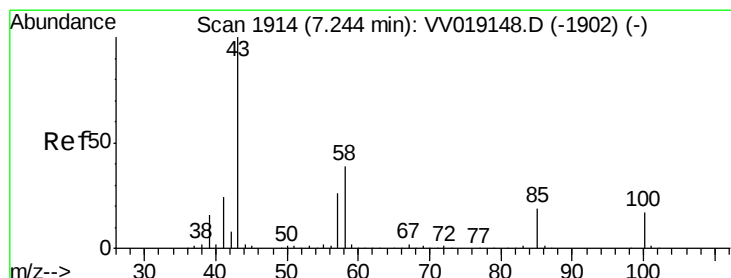
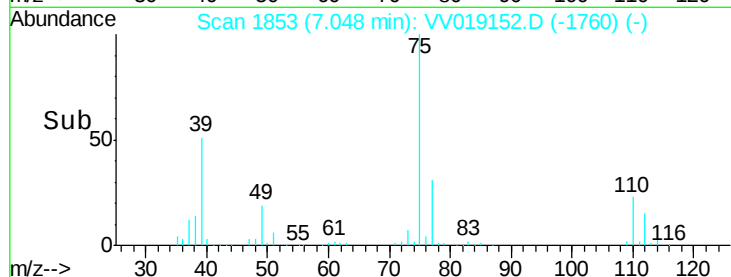
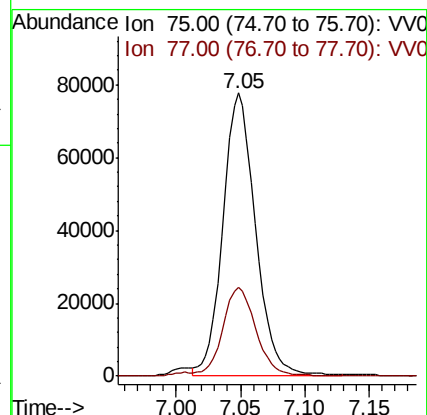
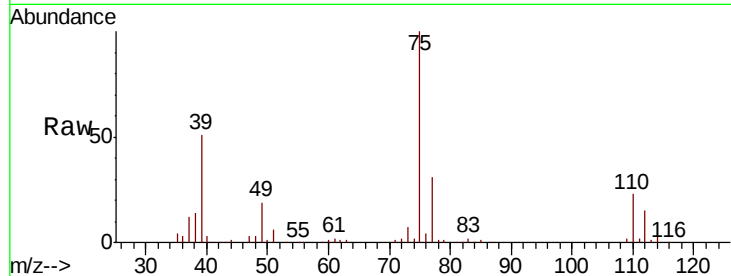




#39
 cis-1,3-Dichloropropene
 Concen: 45.549 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019152.D
 Acq: 29 Oct 2020 16:51

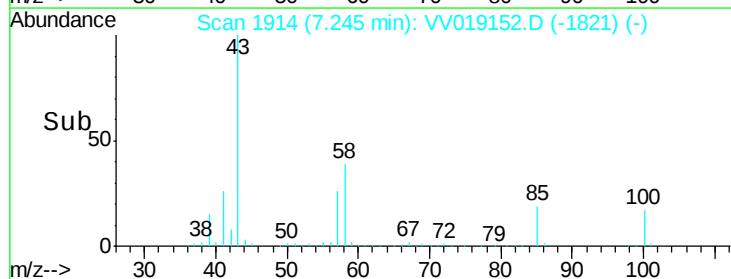
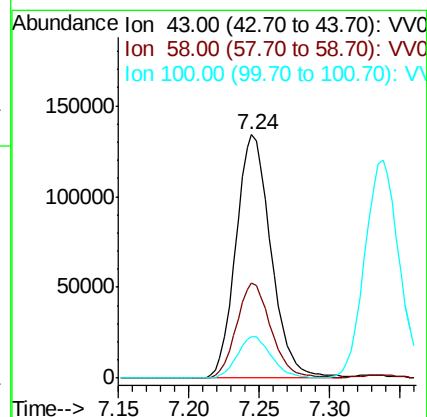
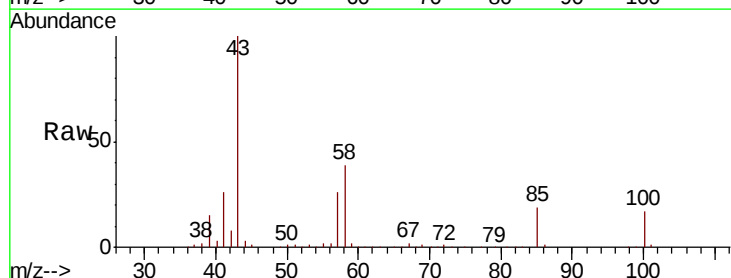
Instrument :
 MSVOA_V
 ClientSampled :

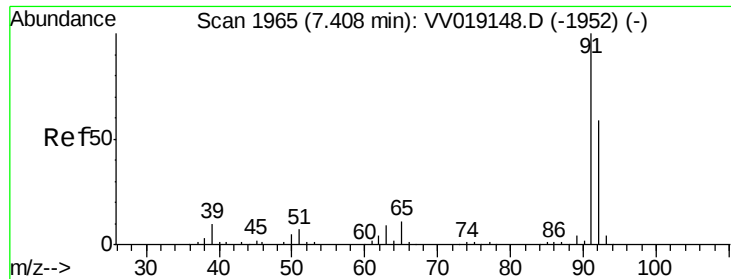
Tot Ion: 75 Resp: 136121
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 93.717 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019152.D
 Acq: 29 Oct 2020 16:51

Tgt Ion: 43 Resp: 233908
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.0 46.4
 100 16.6 13.2 19.8





#42

Toluene

Concen: 45.065 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

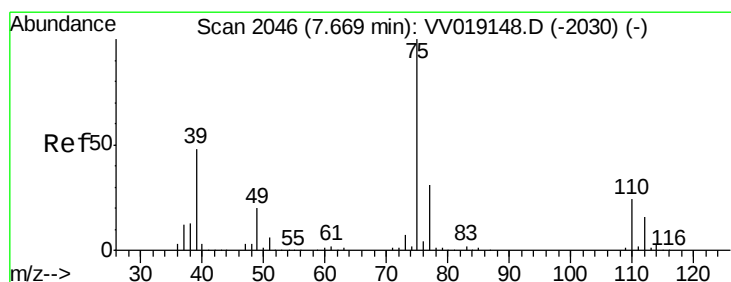
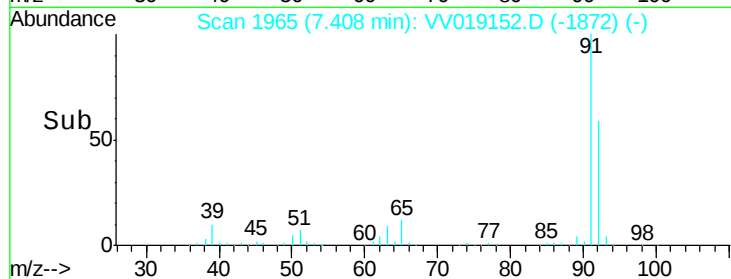
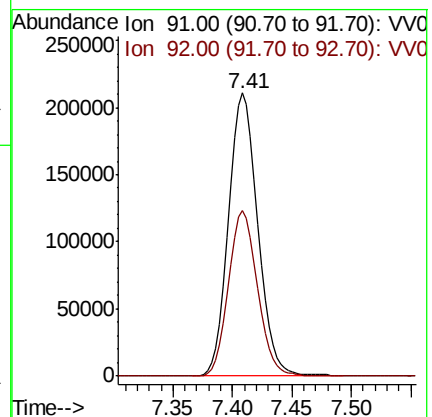
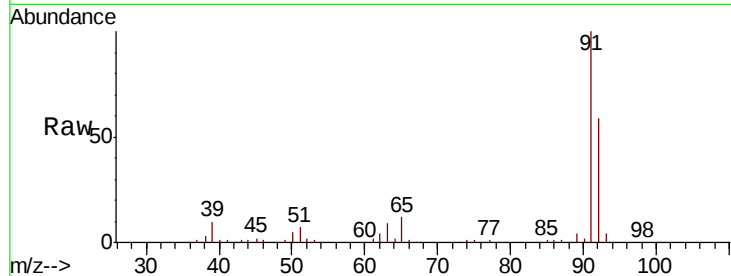
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 359916

Ion Ratio Lower Upper

91 100

92 58.6 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 45.764 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019152.D

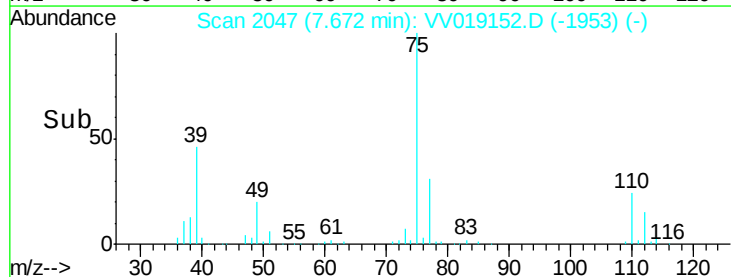
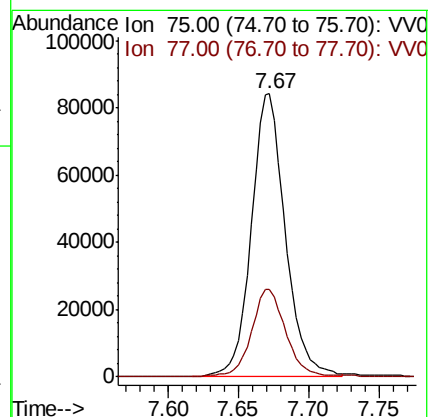
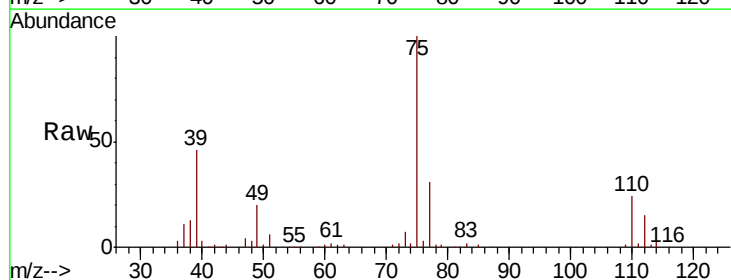
Acq: 29 Oct 2020 16:51

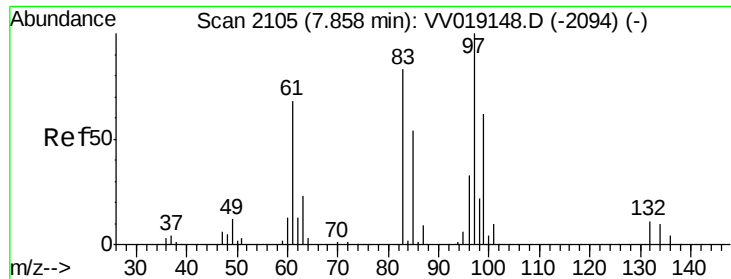
Tgt Ion: 75 Resp: 142268

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4

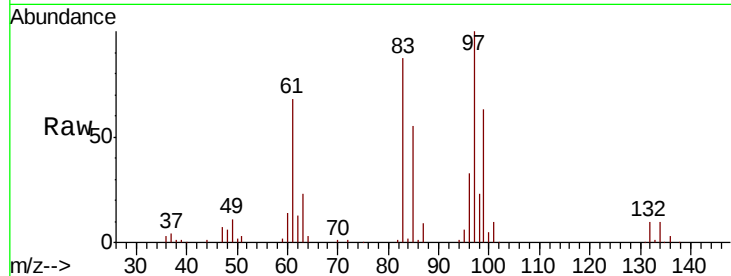




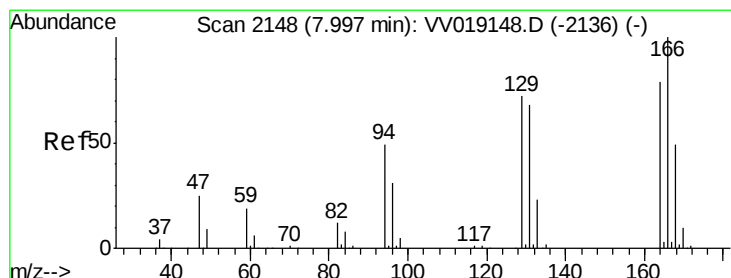
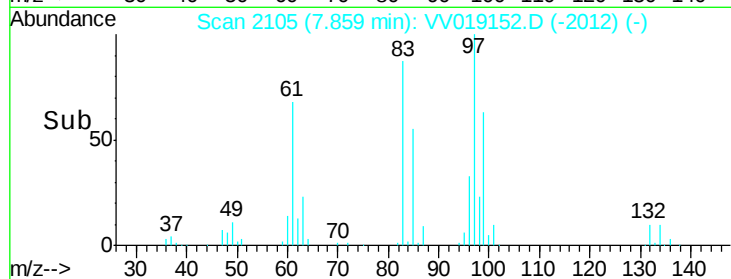
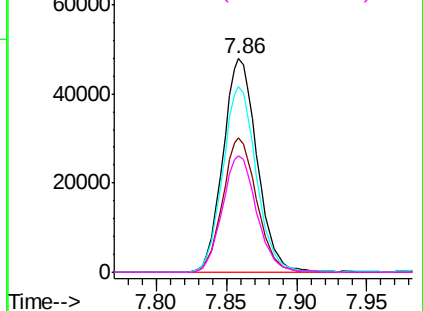
#45
1,1,2-Trichloroethane
Concen: 44.463 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV019152.D
Acq: 29 Oct 2020 16:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	80681
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.1	80.1
83	87.1	58.3	108.3
85	54.8	37.8	70.2

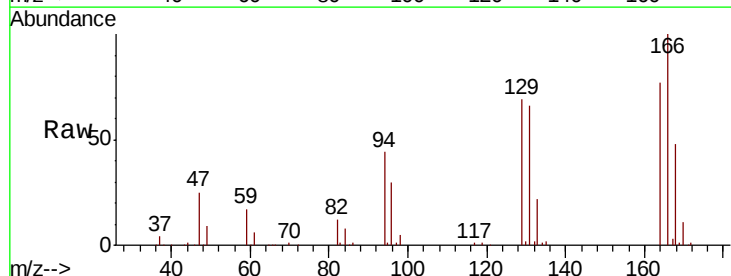


Abundance Ion 97.00 (96.70 to 97.70): VV019152.D (-2012) (-)

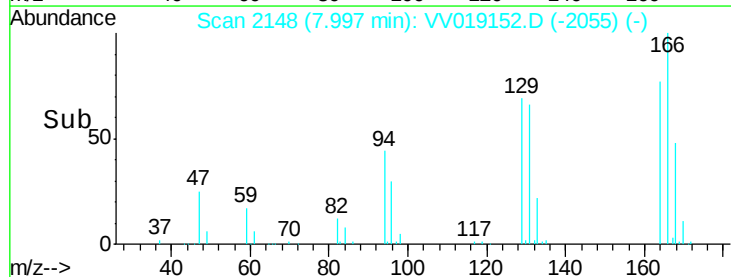
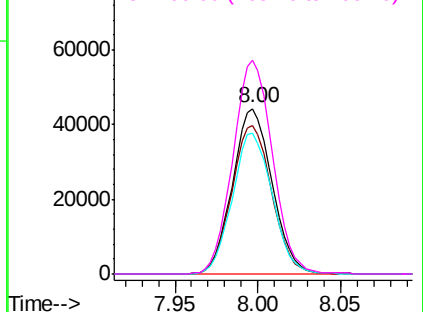


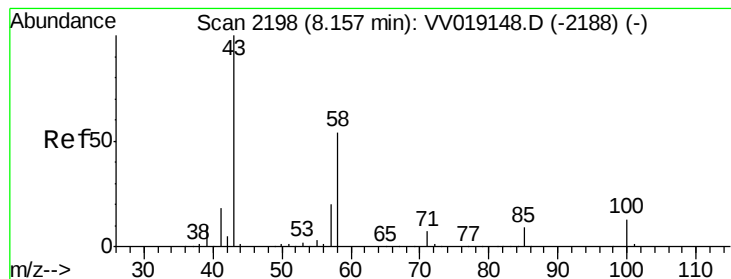
#46
Tetrachloroethene
Concen: 43.380 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019152.D
Acq: 29 Oct 2020 16:51

Tgt Ion:	164	Resp:	73930
Ion	Ratio	Lower	Upper
164	100		
129	89.4	63.2	117.4
131	85.1	60.3	112.1
166	129.1	88.3	163.9



Abundance Ion 164.00 (163.70 to 164.70): VV019152.D (-2055) (-)





#48

2-Hexanone

Concen: 90.737 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 180006

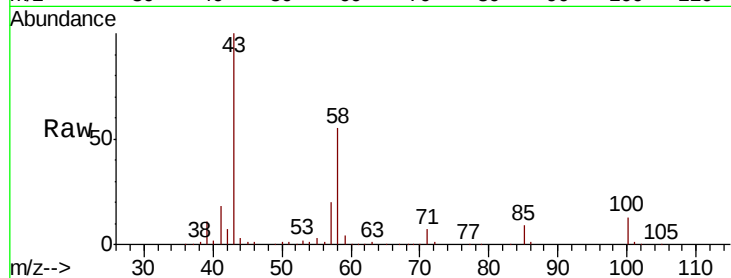
Ion Ratio Lower Upper

43 100

58 53.8 43.6 65.4

57 19.5 16.0 24.0

100 13.4 10.3 15.5

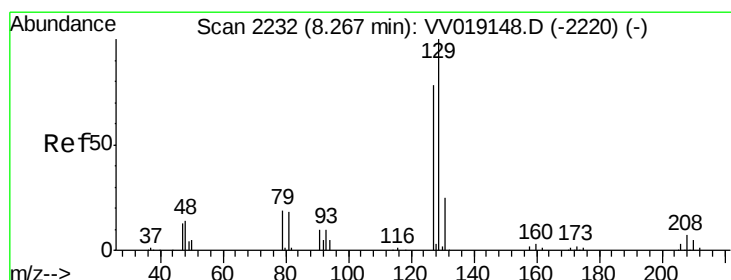
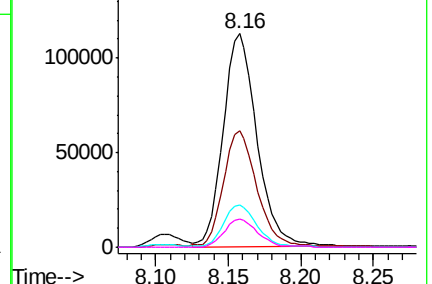
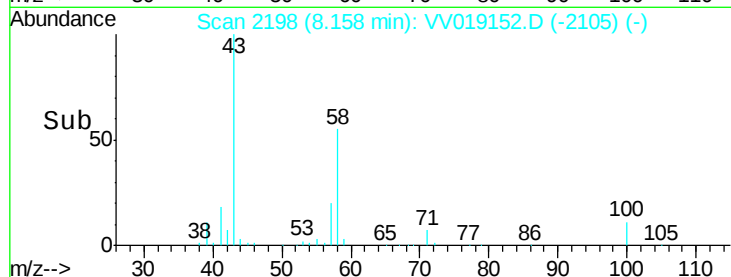


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 44.693 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV019152.D

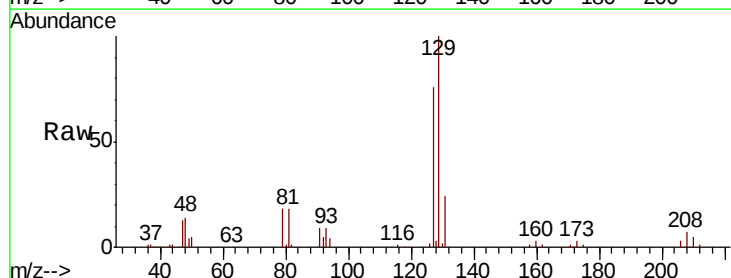
Acq: 29 Oct 2020 16:51

Tgt Ion: 129 Resp: 98191

Ion Ratio Lower Upper

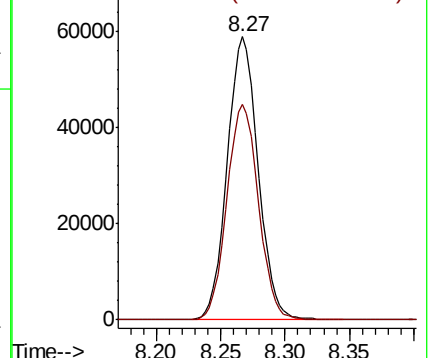
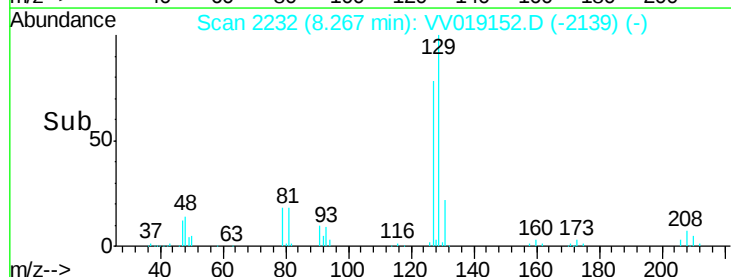
129 100

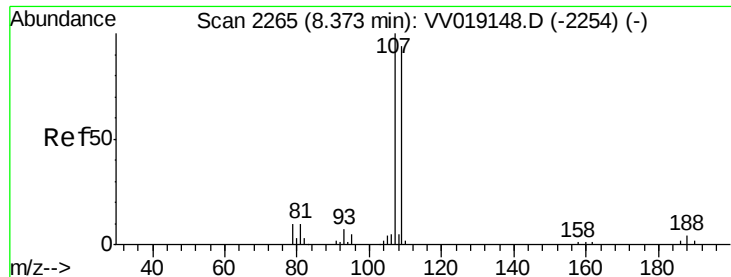
127 76.2 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

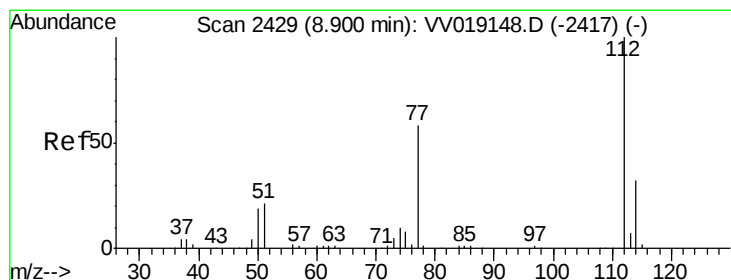
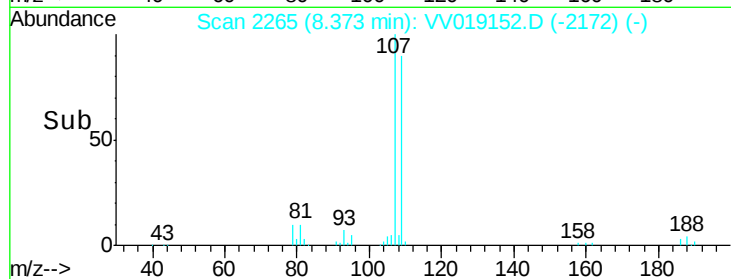
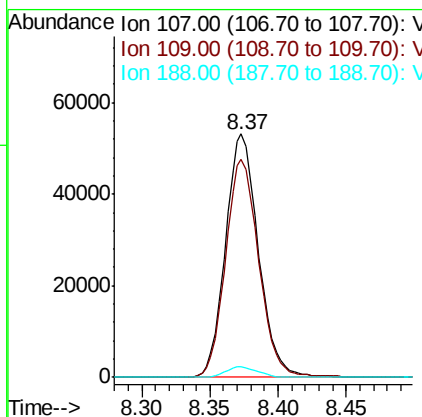
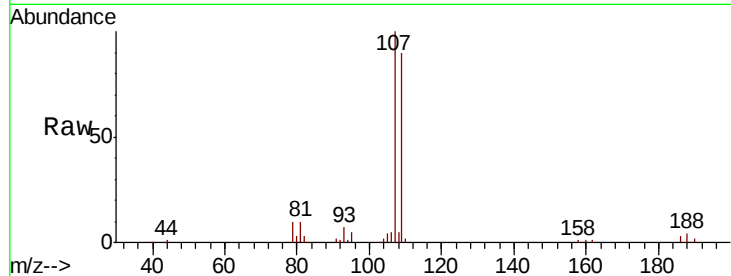




#50
1,2-Dibromoethane
Concen: 45.956 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019152.D
Acq: 29 Oct 2020 16:51

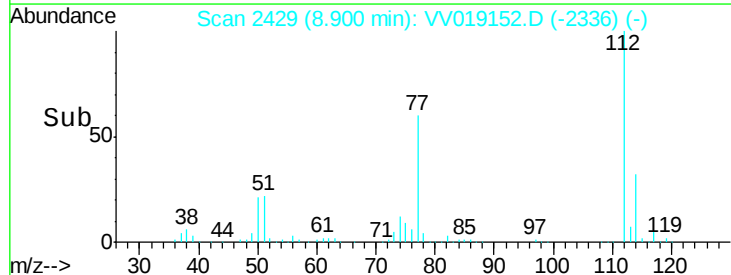
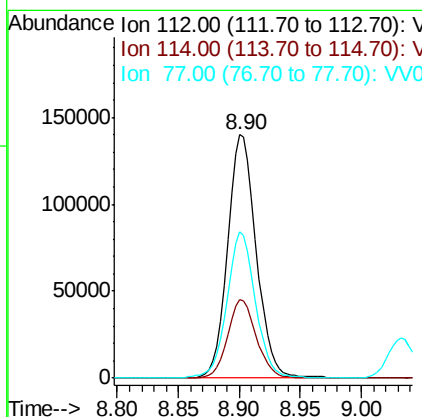
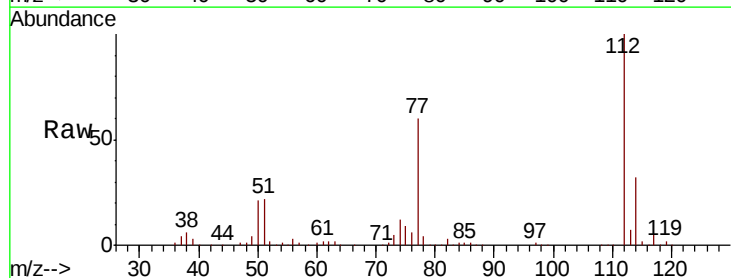
Instrument :
MSVOA_V
ClientSampleId :

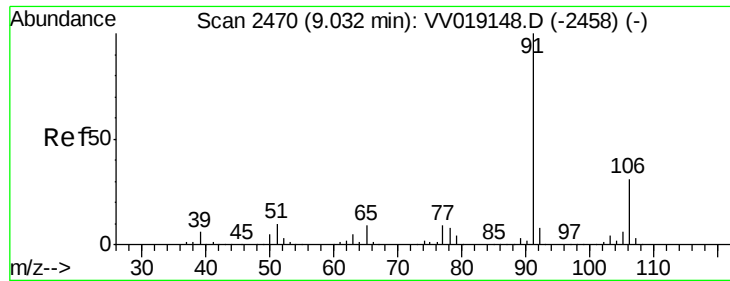
Tot Ion:107 Resp: 88970
Ion Ratio Lower Upper
107 100
109 89.7 65.7 121.9
188 4.3 3.4 5.2



#51
Chlorobenzene
Concen: 43.955 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019152.D
Acq: 29 Oct 2020 16:51

Tgt Ion:112 Resp: 230159
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 60.2 46.7 70.1





#52

Ethylbenzene

Concen: 44.951 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Instrument :

MSVOA_V

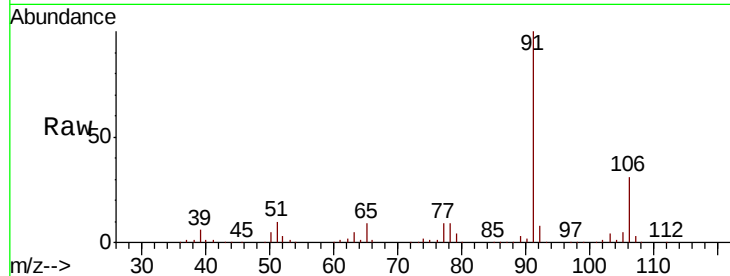
ClientSampleId :

Tot Ion: 91 Resp: 395592

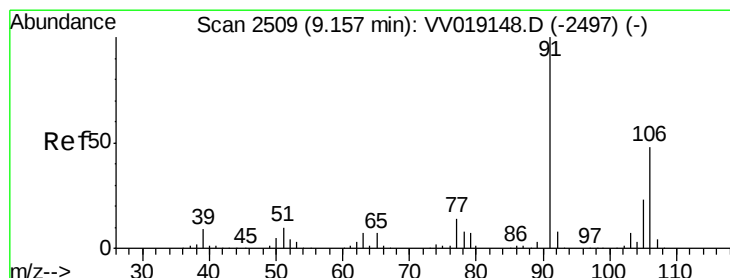
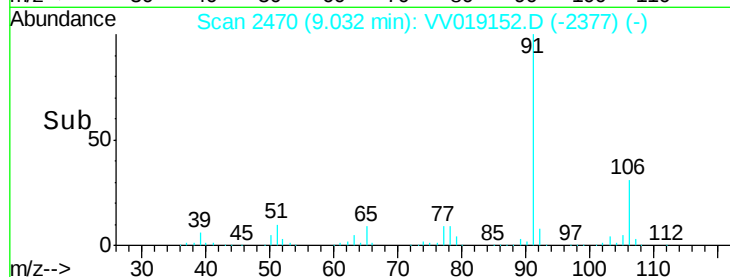
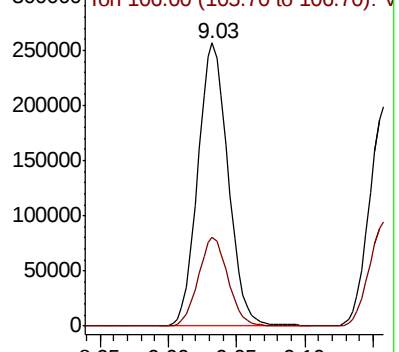
Ion Ratio Lower Upper

91 100

106 31.4 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019152.D (-2377) (-)



#53

m,p-Xylene

Concen: 45.075 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019152.D

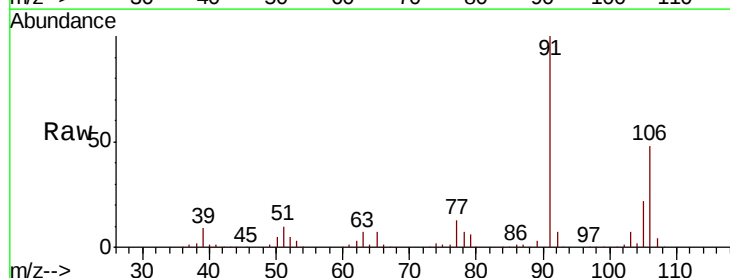
Acq: 29 Oct 2020 16:51

Tgt Ion: 106 Resp: 149826

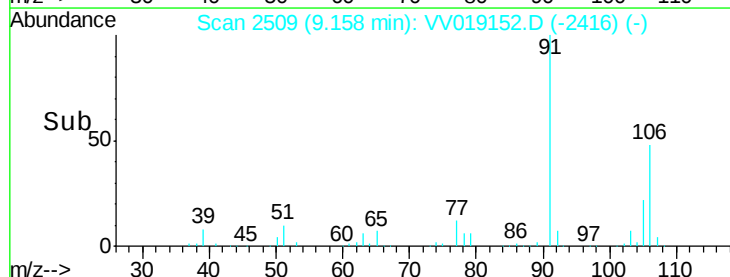
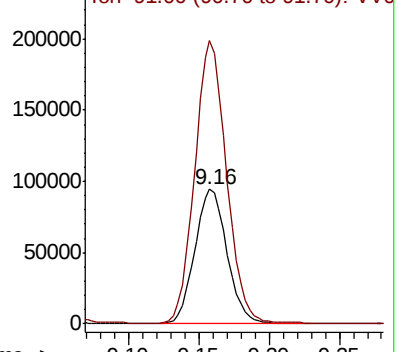
Ion Ratio Lower Upper

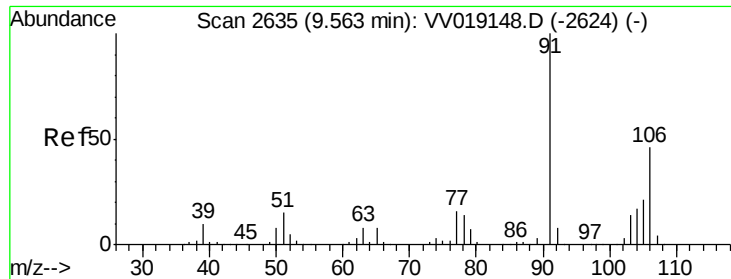
106 100

91 210.5 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV019152.D (-2416) (-)





#54

o-xylene

Concen: 44.998 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

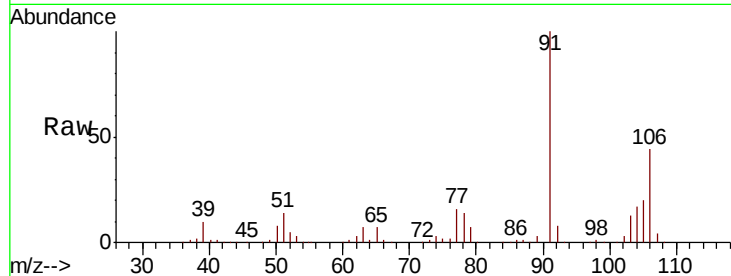
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 143605

Ion Ratio Lower Upper

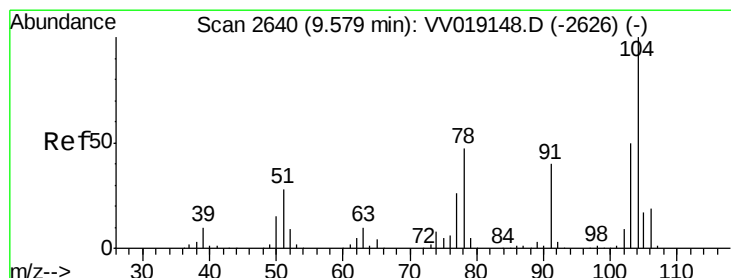
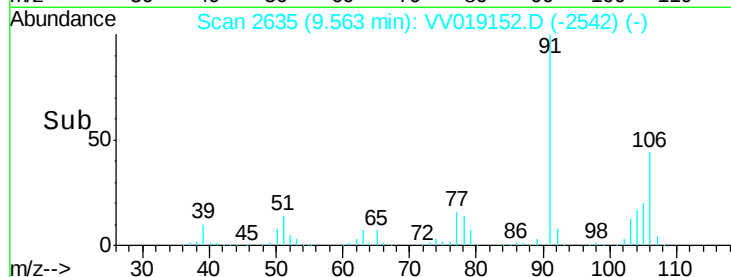
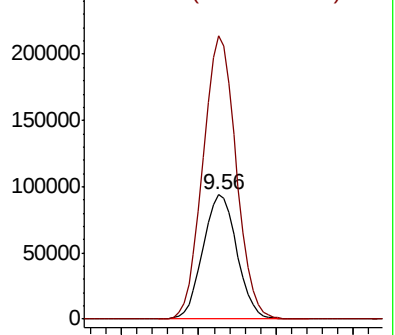
106 100

91 227.6 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 45.485 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019152.D

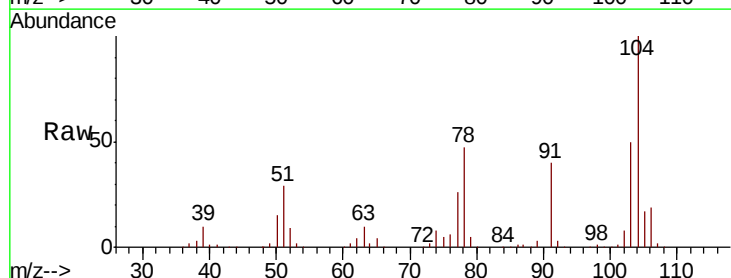
Acq: 29 Oct 2020 16:51

Tgt Ion:104 Resp: 257278

Ion Ratio Lower Upper

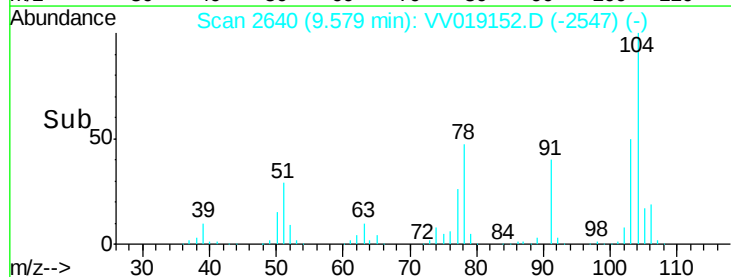
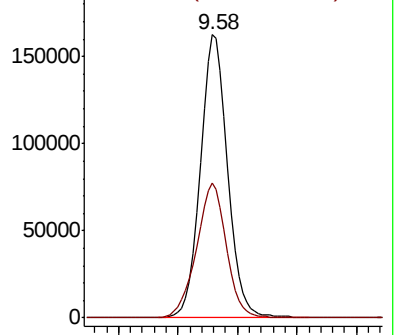
104 100

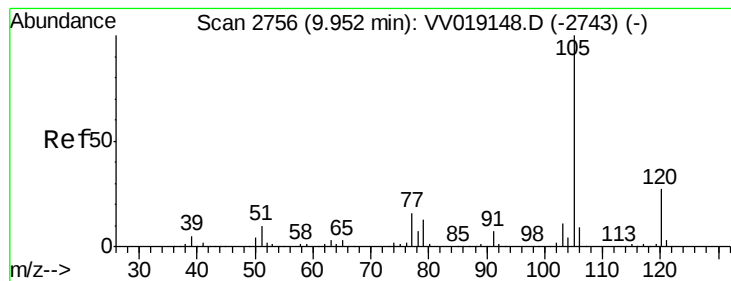
78 47.5 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 45.720 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Instrument :

MSVOA_V

ClientSampleId :

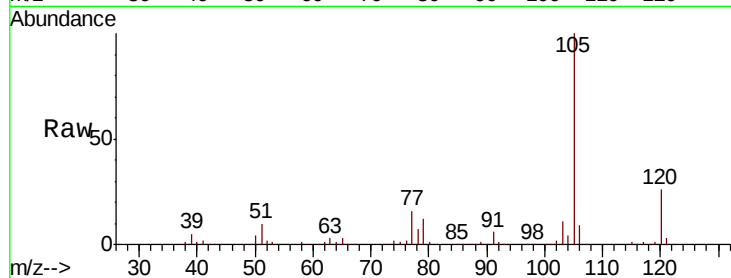
Tot Ion:105 Resp: 392123

Ion Ratio Lower Upper

105 100

120 25.9 21.3 31.9

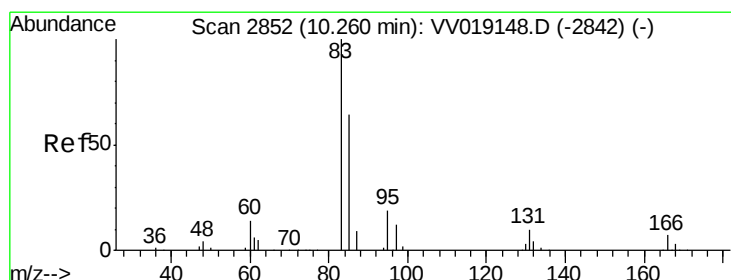
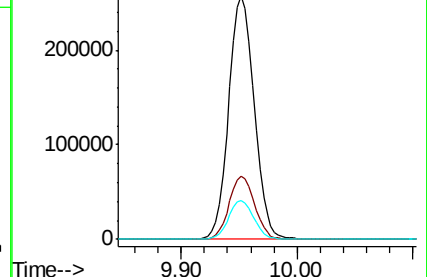
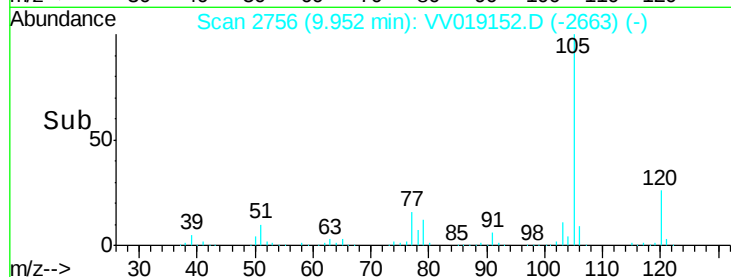
77 15.9 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 44.378 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

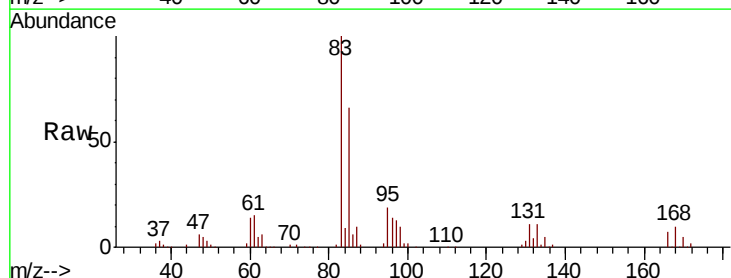
Tgt Ion: 83 Resp: 122617

Ion Ratio Lower Upper

83 100

85 65.6 45.8 85.0

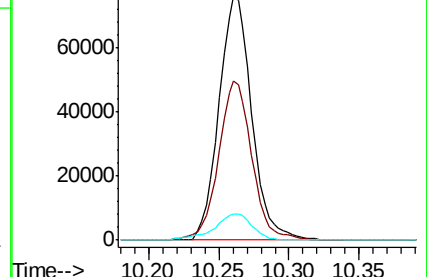
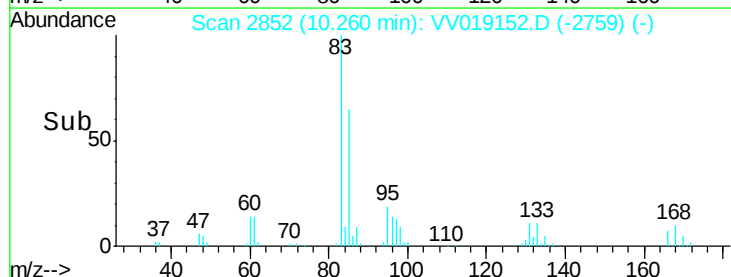
131 10.9 8.9 13.3

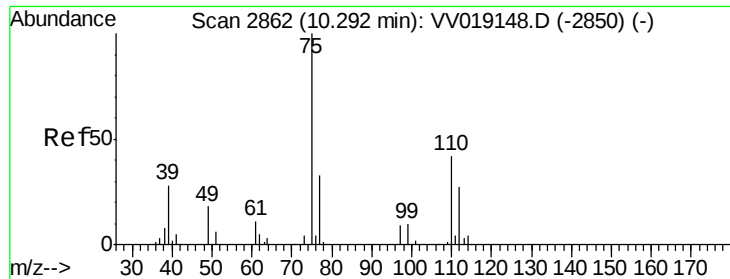


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 45.116 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Instrument :

MSVOA_V

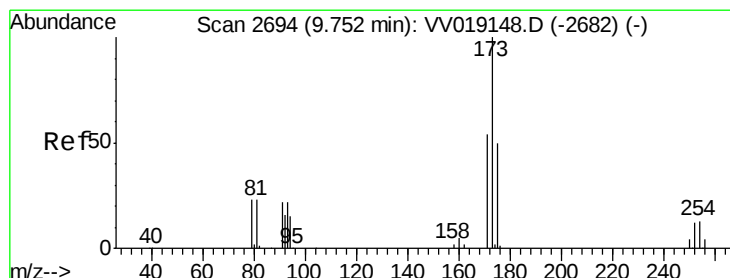
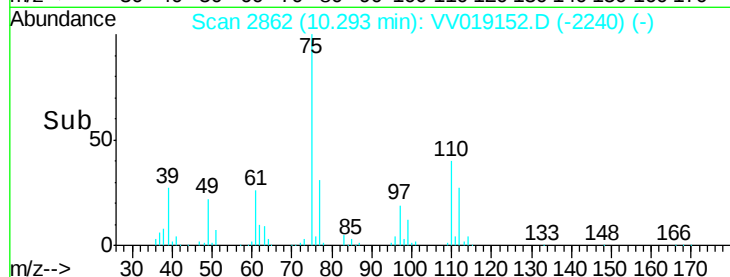
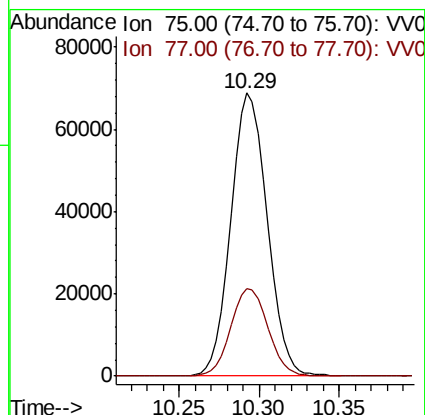
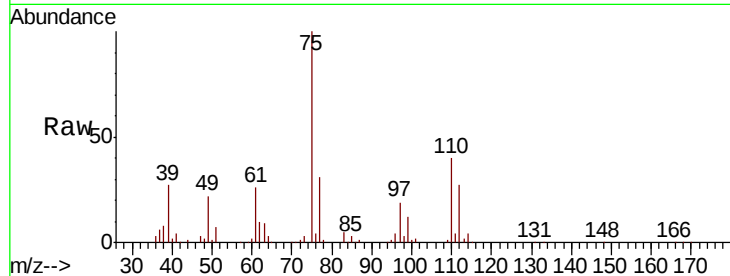
ClientSampleId :

Tot Ion: 75 Resp: 106708

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.4



#61

Bromoform

Concen: 44.334 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

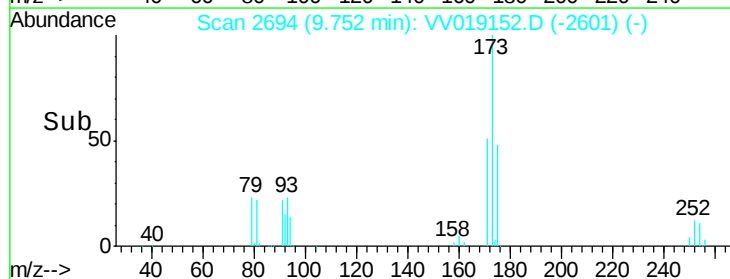
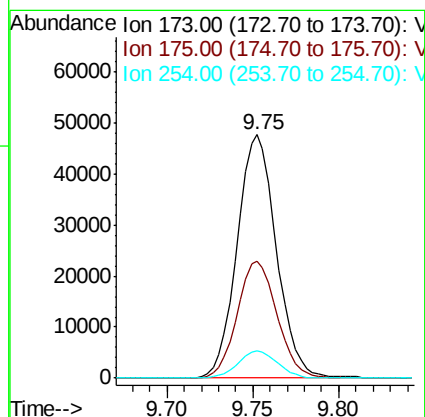
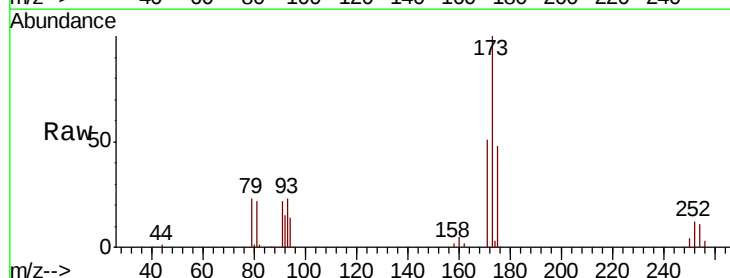
Tgt Ion: 173 Resp: 75819

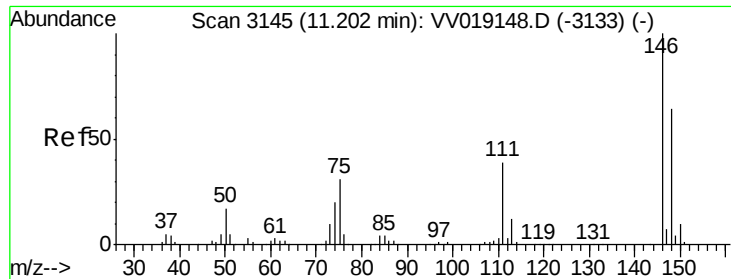
Ion Ratio Lower Upper

173 100

175 48.9 39.8 59.6

254 11.2 9.7 14.5

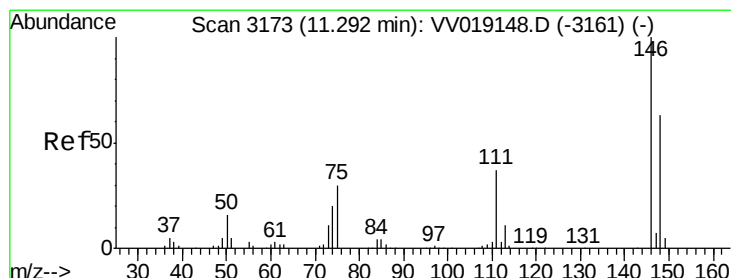
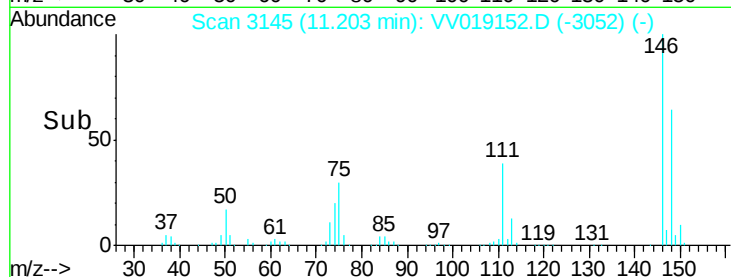
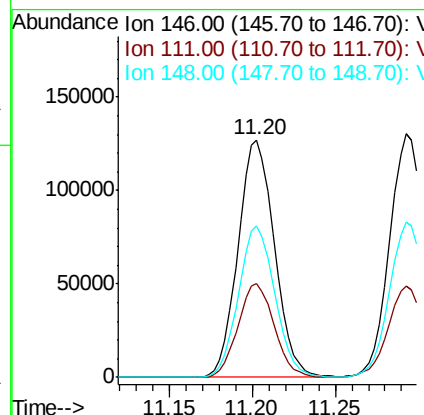
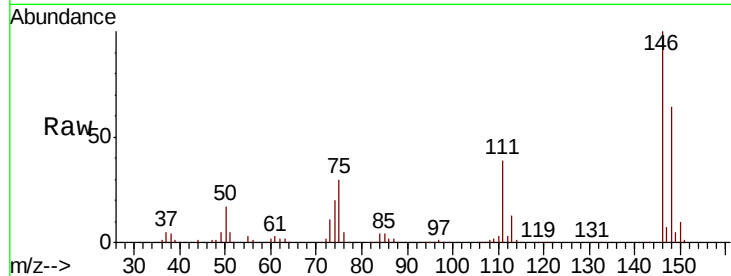




#62
 1,3-Dichlorobenzene
 Concen: 44.498 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019152.D
 Acq: 29 Oct 2020 16:51

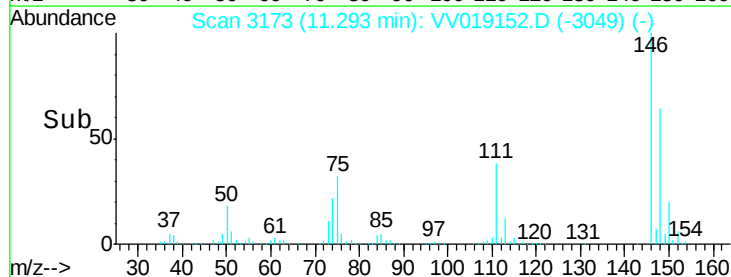
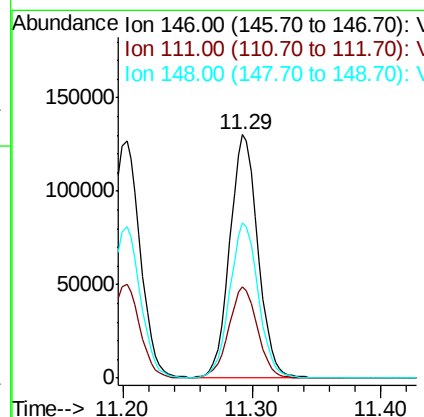
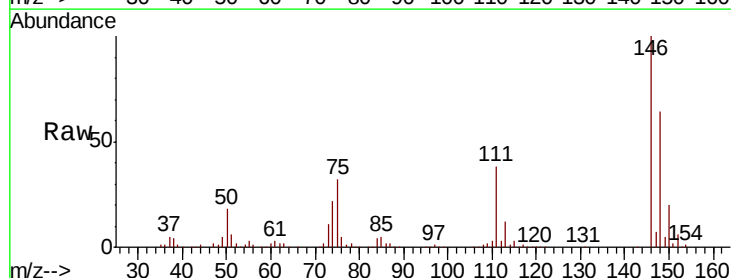
Instrument :
 MSVOA_V
 ClientSampleId :

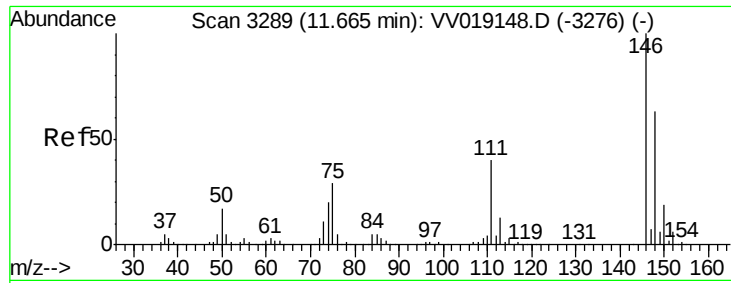
Tot Ion:146 Resp: 194594
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.1 50.3
 148 64.0 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 43.219 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019152.D
 Acq: 29 Oct 2020 16:51

Tgt Ion:146 Resp: 196421
 Ion Ratio Lower Upper
 146 100
 111 37.6 25.8 48.0
 148 63.8 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 44.414 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Instrument :

MSVOA_V

ClientSampleId :

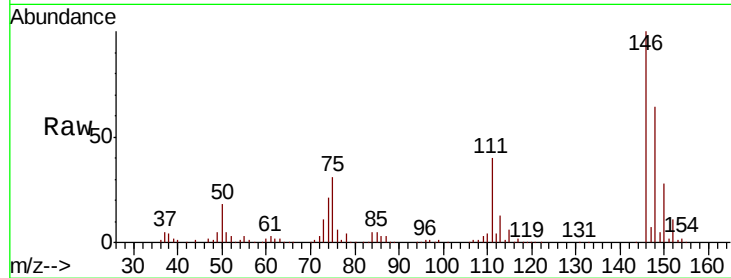
Tot Ion:146 Resp: 192406

Ion Ratio Lower Upper

146 100

111 40.2 32.2 48.4

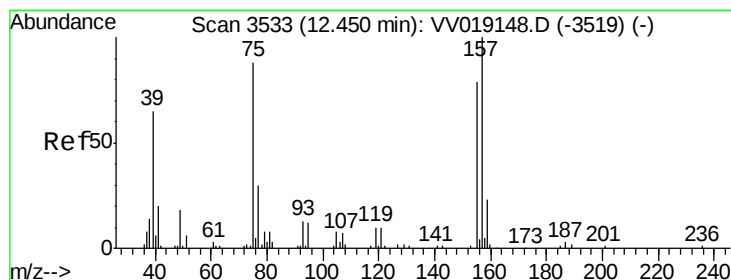
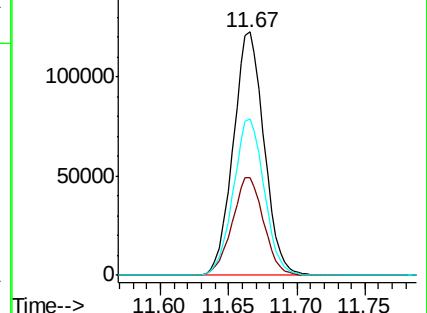
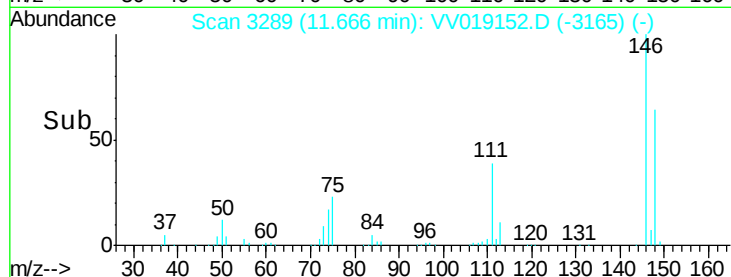
148 64.4 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 45.149 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

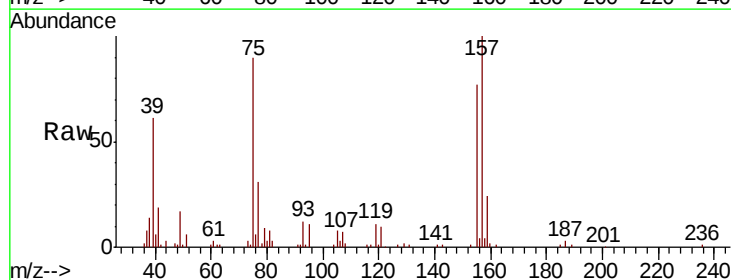
Tgt Ion: 75 Resp: 33466

Ion Ratio Lower Upper

75 100

155 85.7 71.1 106.7

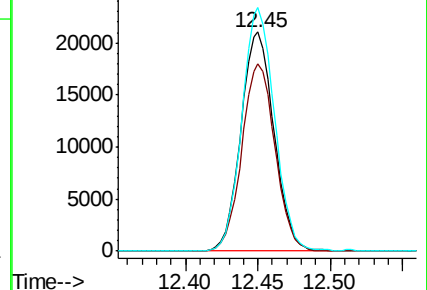
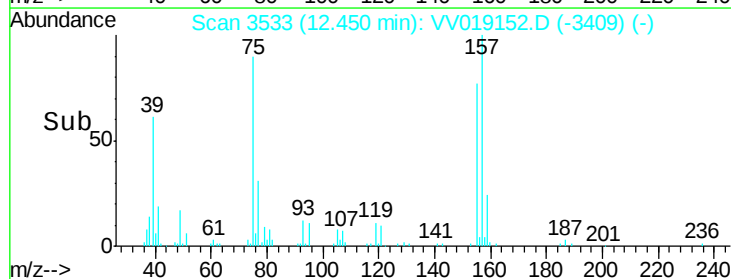
157 111.1 90.5 135.7

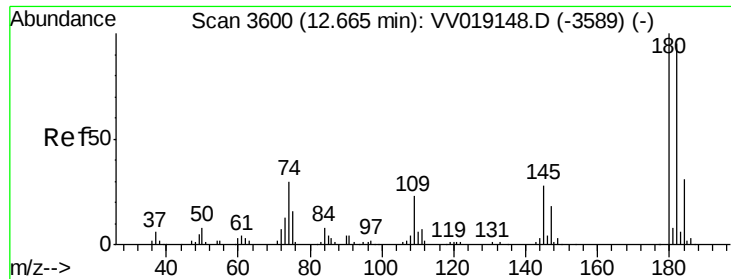


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

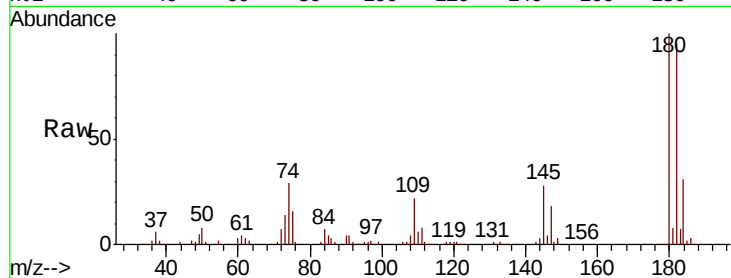




#67
 1,3,5-Trichlorobenzene
 Concen: 44.821 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019152.D
 Acq: 29 Oct 2020 16:51

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.1	114.1
184	30.3	24.5	36.7
145	28.4	22.7	34.1



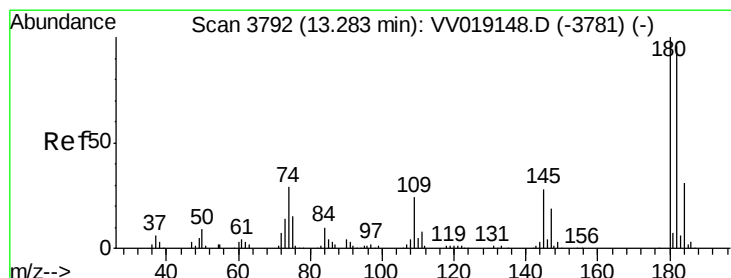
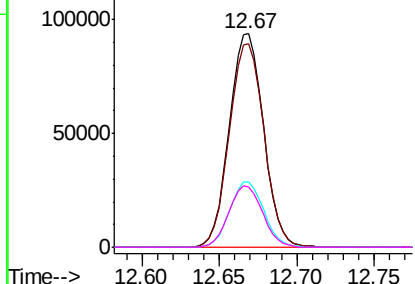
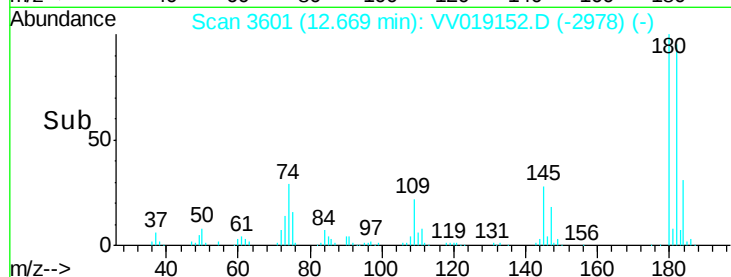
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

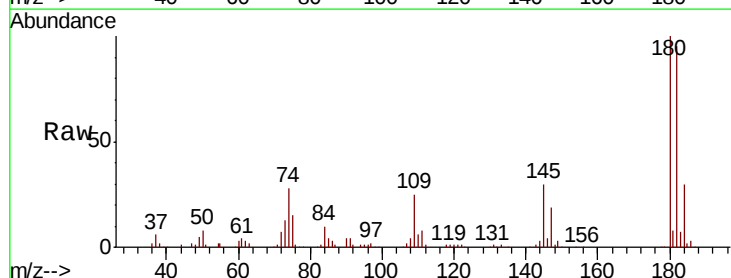
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.136 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019152.D
 Acq: 29 Oct 2020 16:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
145	29.1	22.6	34.0

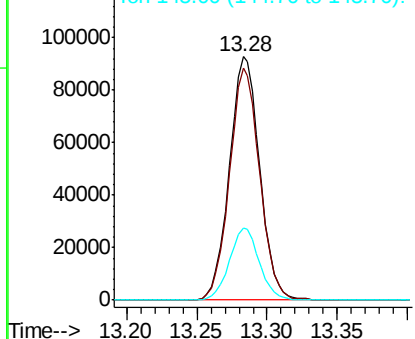
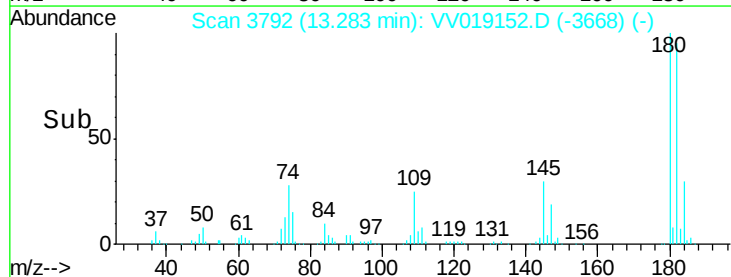


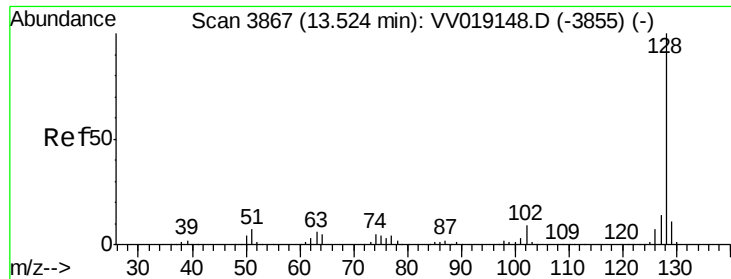
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.114 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

Instrument :

MSVOA_V

ClientSampleId :

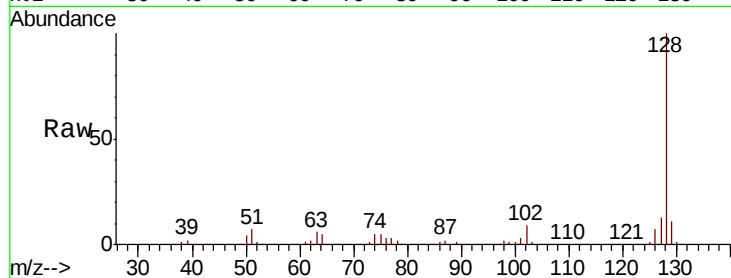
Tot Ion:128 Resp: 414911

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

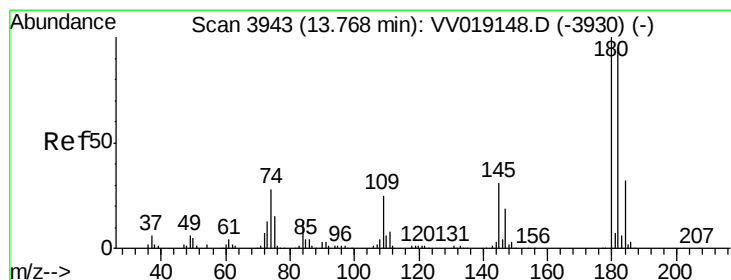
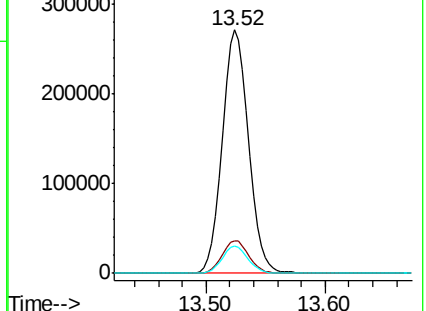
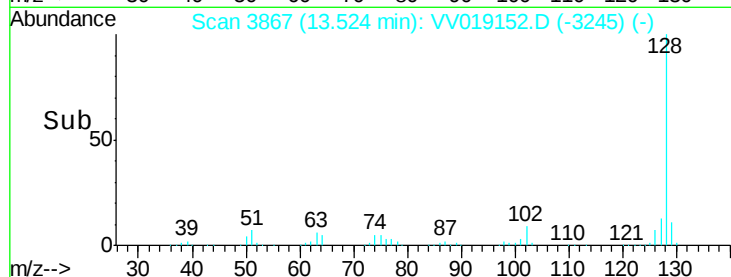
129 11.2 8.6 13.0



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: 47.267 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV019152.D

Acq: 29 Oct 2020 16:51

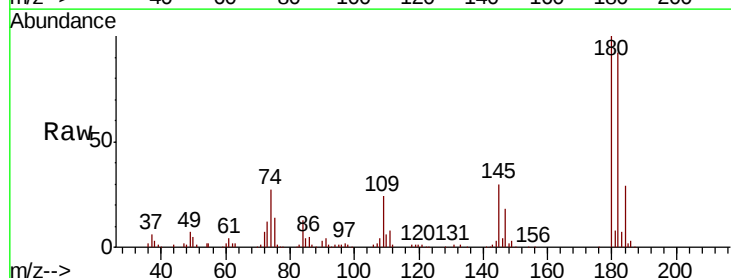
Tgt Ion:180 Resp: 139511

Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.4

145 30.8 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

