

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041323\
 Data File : VW030547.D
 Acq On : 13 Apr 2023 15:58
 Operator : SY/MD
 Sample : 02275-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDZ9

Quant Time: Apr 14 05:21:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 05:16:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	153996	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	146795	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	68247	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	77204	7.570	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	151.400%#
7) Chloroethane-d5	1.536	69	54081	5.464	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.200%
11) 1,1-Dichloroethene-d2	2.069	63	217281	8.978	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	179.600%#
20) 2-Butanone-d5	3.809	46	151819	57.590	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.180%
24) Chloroform-d	4.262	84	120455	4.880	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	4.953	65	61165	5.252	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
32) Benzene-d6	4.973	84	217248	5.252	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.000%
36) 1,2-Dichloropropane-d6	5.998	67	69627	5.376	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.600%
41) Toluene-d8	7.252	98	175975	4.632	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	7.564	79	22502	4.615	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.034	63	103659	52.906	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.820%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	49002	4.801	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.000%
66) 1,2-Dichlorobenzene-d4	11.571	152	63687	5.221	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	192223	10.673	ug/L	98
12) 1,1-Dichloroethene	2.076	96	206828	16.074	ug/L #	77
18) trans-1,2-Dichloroethene	2.703	96	21390	1.578	ug/L	94
19) 1,1-Dichloroethane	3.121	63	175324	6.672	ug/L	98
22) cis-1,2-Dichloroethene	3.825	96	3696962	271.750	ug/L	96
25) Chloroform	4.291	83	60973	2.296	ug/L	97
27) 1,2-Dichloroethane	5.056	62	16464	1.025	ug/L	100
29) 1,1,1-Trichloroethane	4.526	97	105034	4.452	ug/L	97
30) Cyclohexane	4.587	56	6469	0.301	ug/L	99
31) Carbon tetrachloride	4.748	117	6204	0.290	ug/L	95
33) Benzene	5.021	78	264878	5.080	ug/L	100
34) Trichloroethene	5.851	95	12011312	854.180	ug/L	93
35) Methylcyclohexane	6.063	83	5916	0.268	ug/L #	56
37) 1,2-Dichloropropane	6.108	63	2230	0.167	ug/L #	78
45) 1,1,2-Trichloroethane	7.783	97	2687	0.285	ug/L	93
47) Tetrachloroethene	7.918	164	3758143	302.826	ug/L	93
51) Chlorobenzene	8.825	112	22775	0.640	ug/L	99
54) o-Xylene	9.487	106	51323	2.306	ug/L	99

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QLast Update : Fri Apr 14 05:16:37 2023
Response via : Initial Calibration

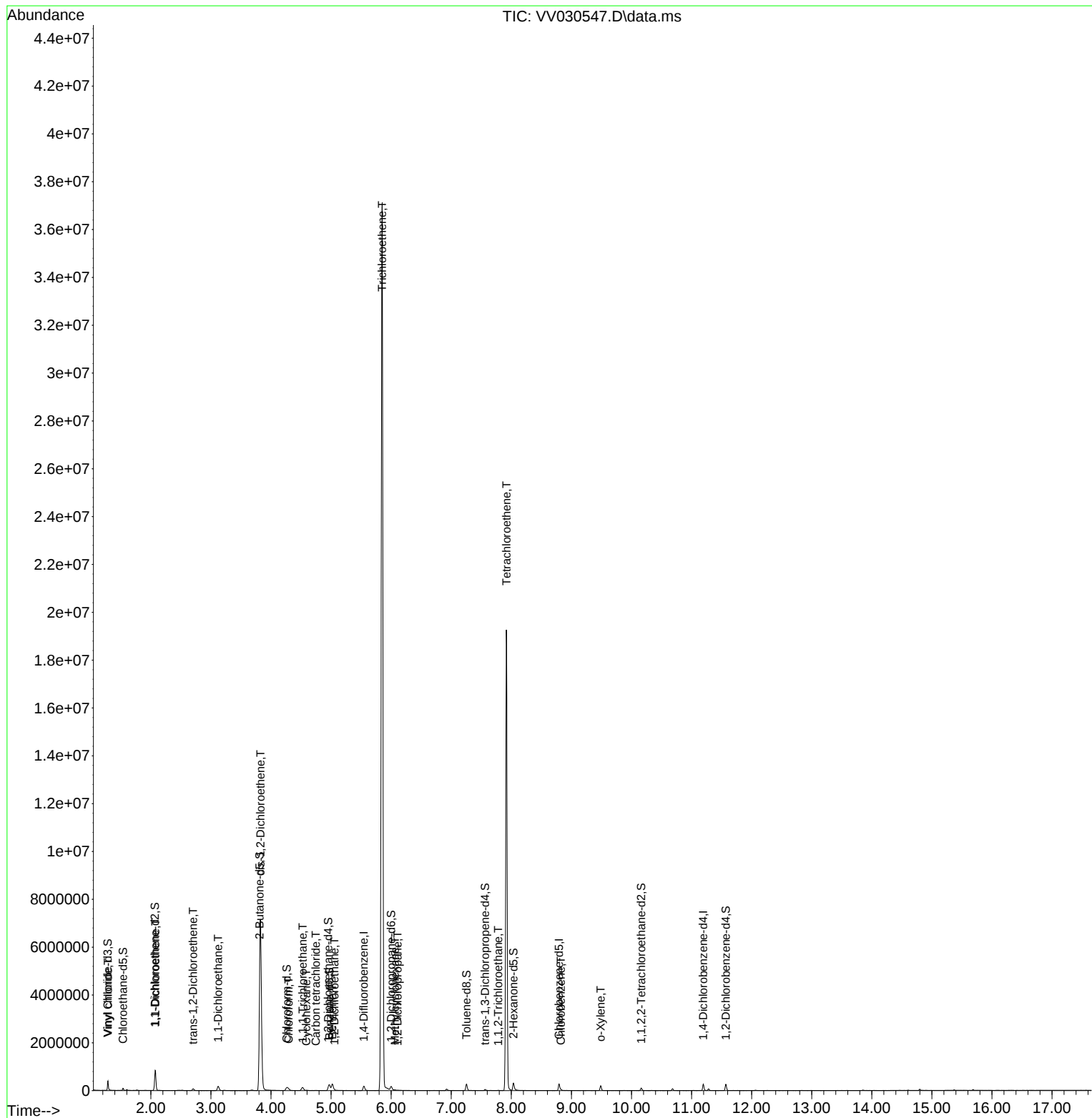
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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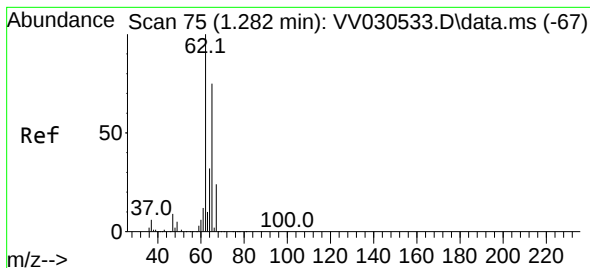
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 10.673 ug/L

RT: 1.285 min Scan# 75

Delta R.T. 0.003 min

Lab File: VV030547.D

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Instrument :

MSVOA_V

ClientSampleId :

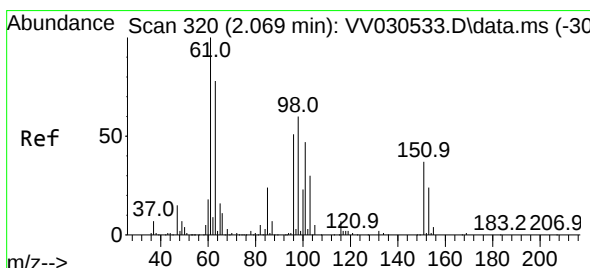
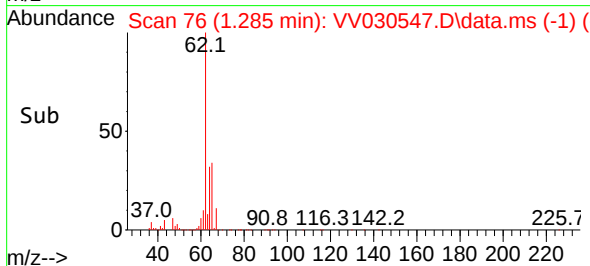
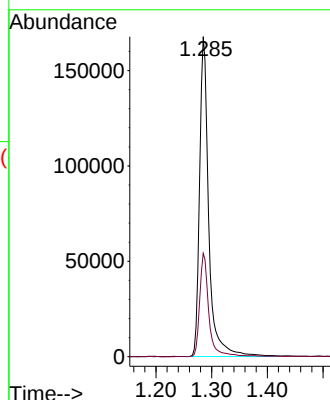
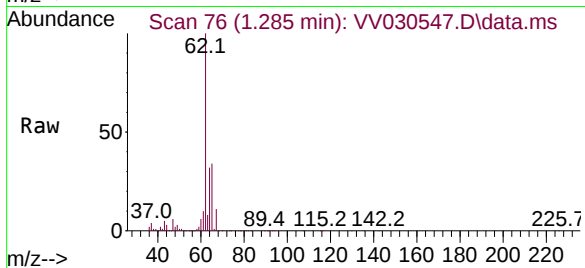
BHDZ9

Tgt Ion: 62 Resp: 192223

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.2



#12

1,1-Dichloroethene

Concen: 16.074 ug/L

RT: 2.076 min Scan# 322

Delta R.T. 0.006 min

Lab File: VV030547.D

Acq: 13 Apr 2023 15:58

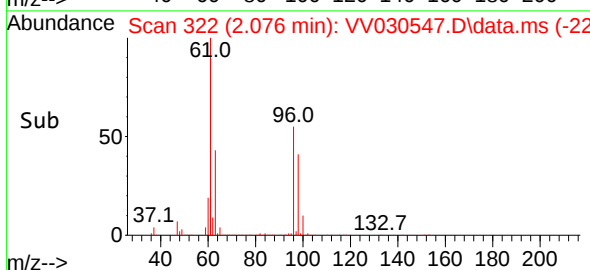
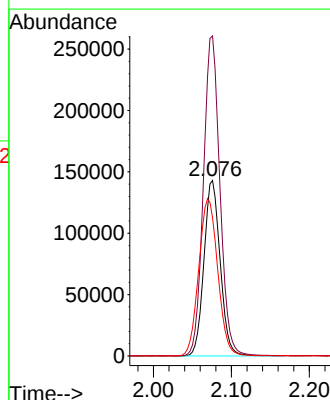
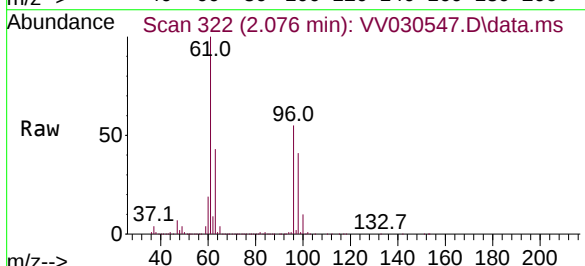
Tgt Ion: 96 Resp: 206828

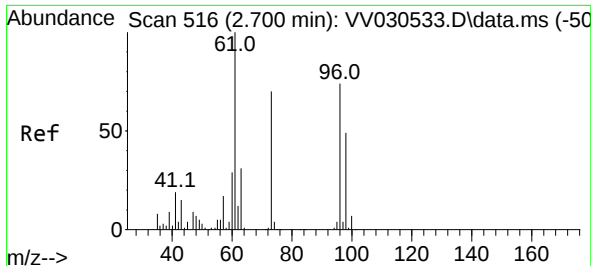
Ion Ratio Lower Upper

96 100

61 182.4 136.3 253.1

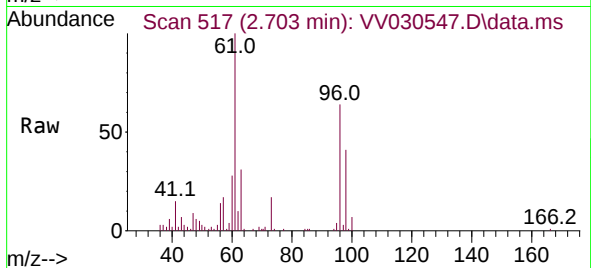
63 78.9 92.1 171.1#



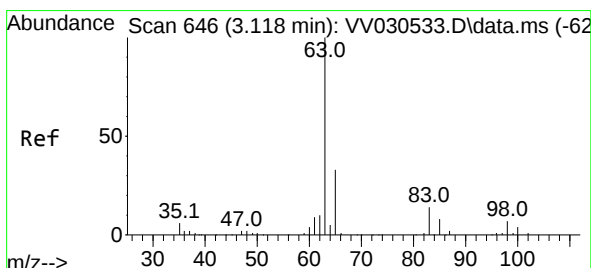
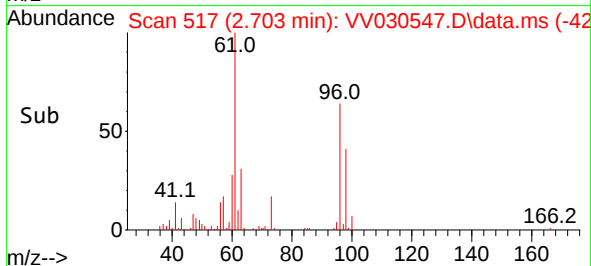
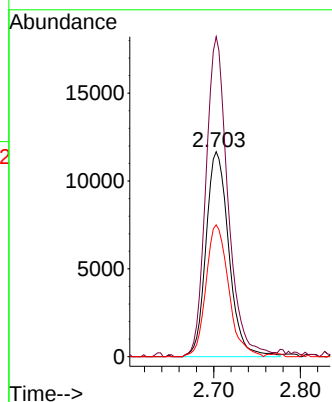


#18
trans-1,2-Dichloroethene
Concen: 1.578 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV030547.D
Acq: 13 Apr 2023 15:58

Instrument :
MSVOA_V
ClientSampleId :
BHDZ9

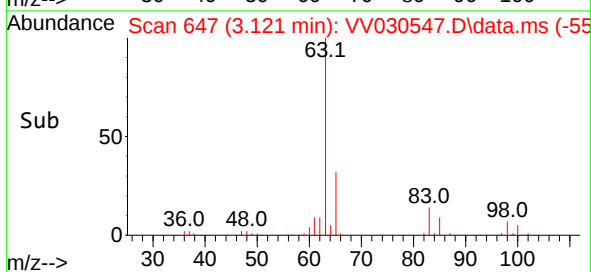
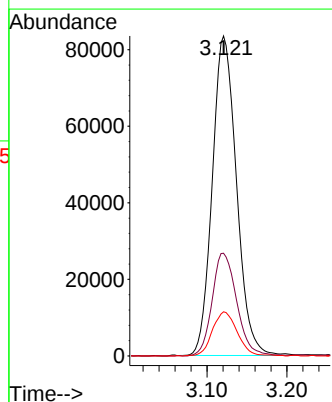
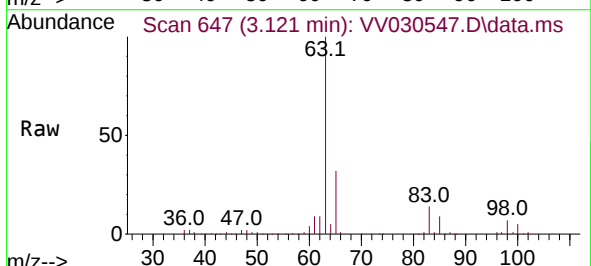


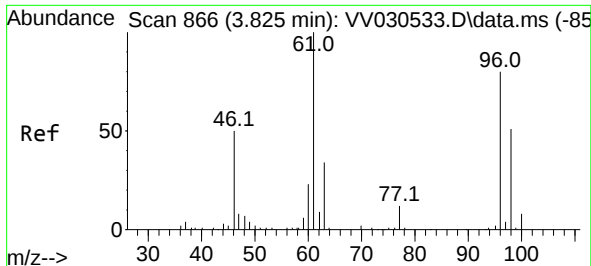
Tgt Ion: 96 Resp: 21390
Ion Ratio Lower Upper
96 100
61 156.2 101.7 188.9
98 64.4 45.8 85.2



#19
1,1-Dichloroethane
Concen: 6.672 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030547.D
Acq: 13 Apr 2023 15:58

Tgt Ion: 63 Resp: 175324
Ion Ratio Lower Upper
63 100
65 32.1 21.7 40.3
83 13.8 9.1 16.9





#22

cis-1,2-Dichloroethene

Concen: 271.750 ug/L

RT: 3.825 min Scan# 80

Delta R.T. -0.000 min

Lab File: VV030547.D

Acq: 13 Apr 2023 15:58

Instrument :

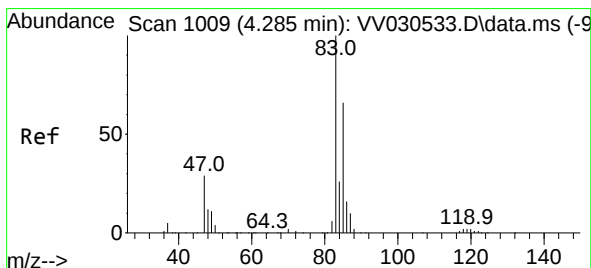
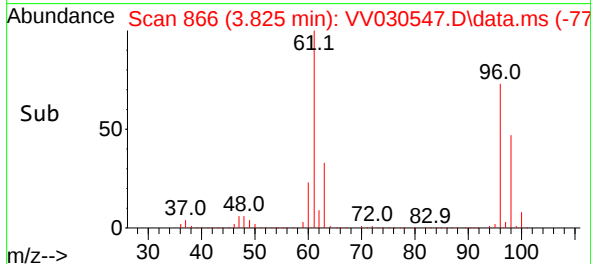
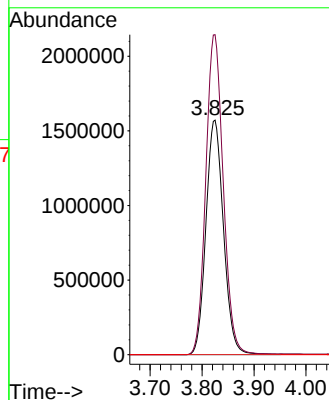
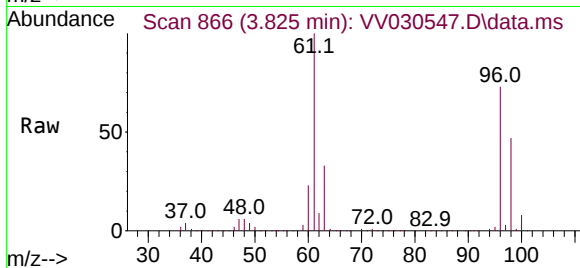
MSVOA_V

ClientSampleId :

BHDZ9

Tgt Ion: 96 Resp: 3696962

Ion	Ratio	Lower	Upper
96	100		
61	136.4	92.0	170.8
68	0.0	0.0	0.0



#25

Chloroform

Concen: 2.296 ug/L

RT: 4.291 min Scan# 1011

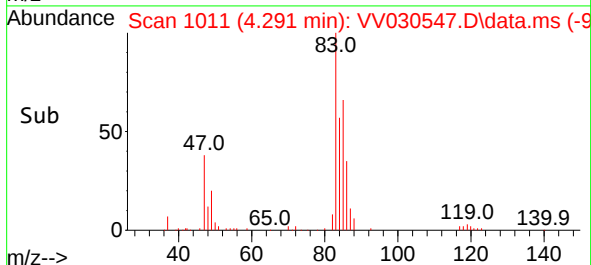
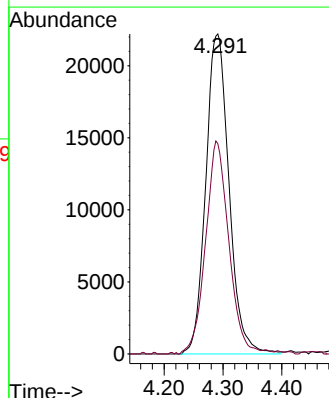
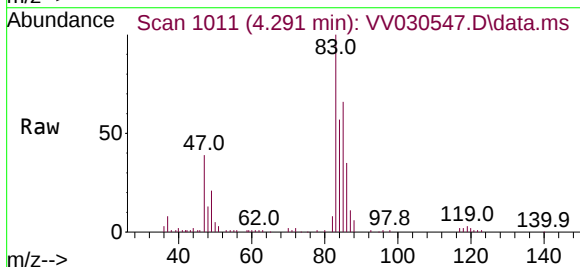
Delta R.T. 0.006 min

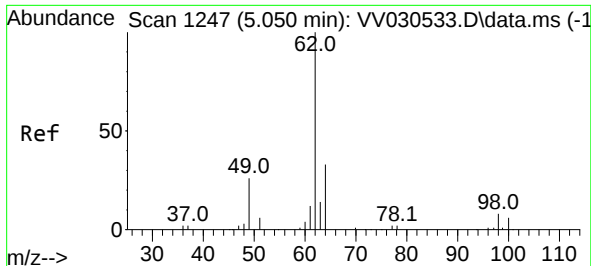
Lab File: VV030547.D

Acq: 13 Apr 2023 15:58

Tgt Ion: 83 Resp: 60973

Ion	Ratio	Lower	Upper
83	100		
85	65.8	47.6	88.4





#27

1,2-Dichloroethane

Concen: 1.025 ug/L

RT: 5.056 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV030547.D

Acq: 13 Apr 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

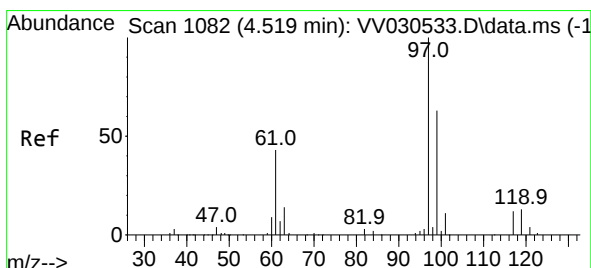
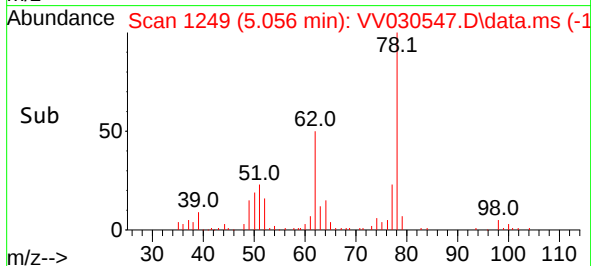
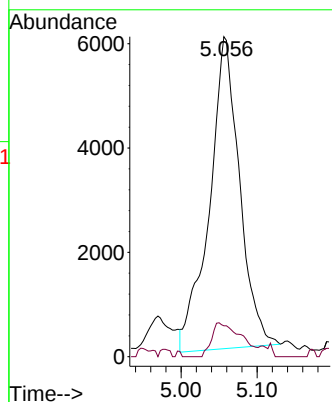
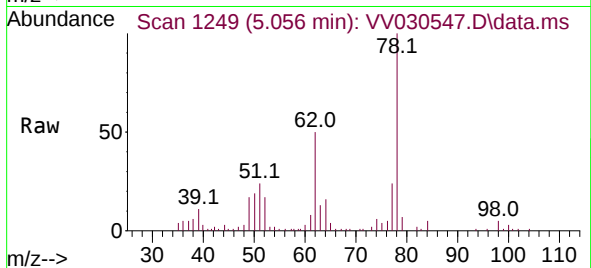
BHDZ9

Tgt Ion: 62 Resp: 16464

Ion Ratio Lower Upper

62 100

98 9.6 7.8 11.8



#29

1,1,1-Trichloroethane

Concen: 4.452 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. 0.006 min

Lab File: VV030547.D

Acq: 13 Apr 2023 15:58

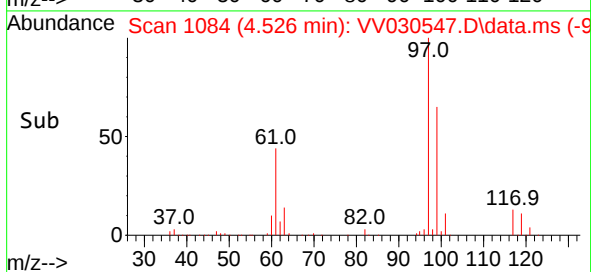
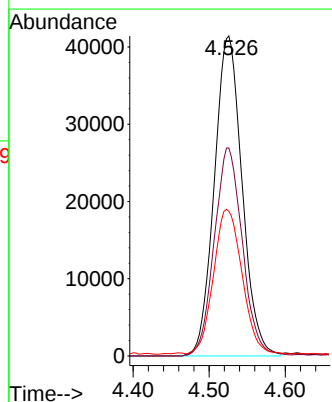
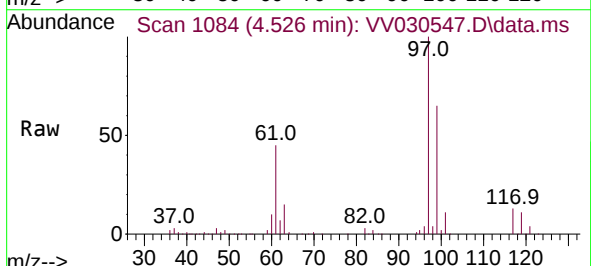
Tgt Ion: 97 Resp: 105034

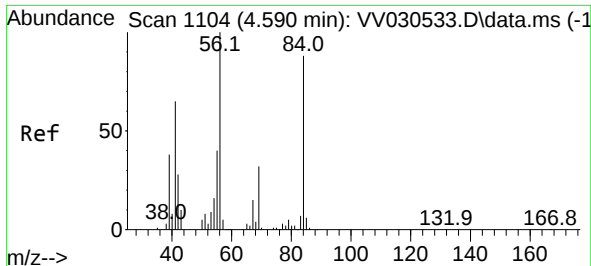
Ion Ratio Lower Upper

97 100

99 66.0 50.9 76.3

61 46.2 35.9 53.9





#30

Cyclohexane

Concen: 0.301 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV030547.D

Acq: 13 Apr 2023 15:58

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ClientSampleId :

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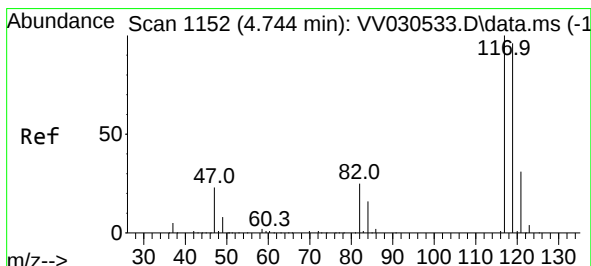
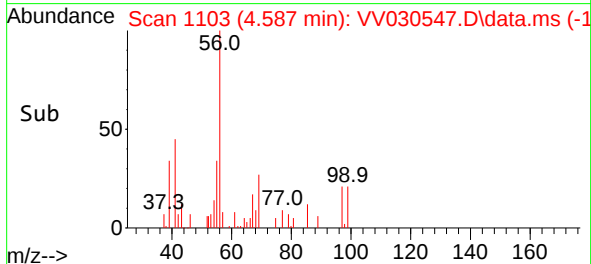
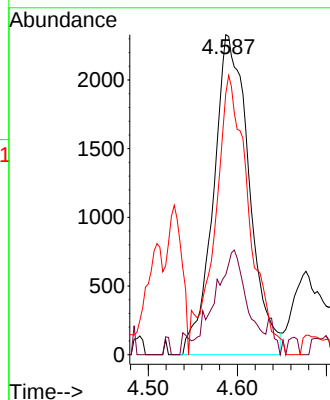
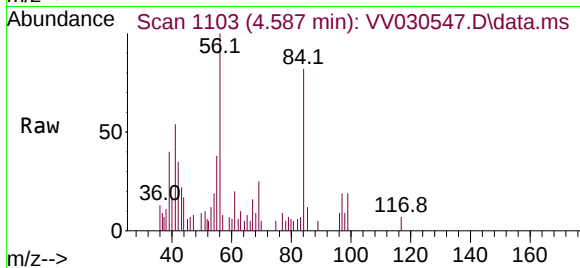
Tgt Ion: 56 Resp: 6469

Ion Ratio Lower Upper

56 100

69 30.0 24.2 36.2

84 82.6 66.6 100.0



#31

Carbon tetrachloride

Concen: 0.290 ug/L

RT: 4.748 min Scan# 1153

Delta R.T. 0.003 min

Lab File: VV030547.D

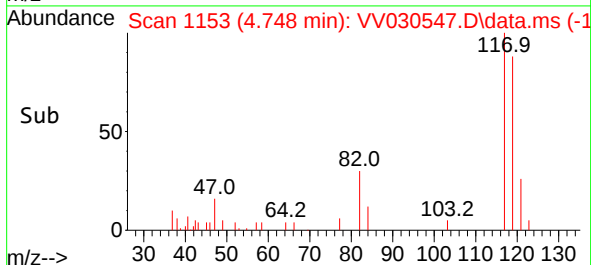
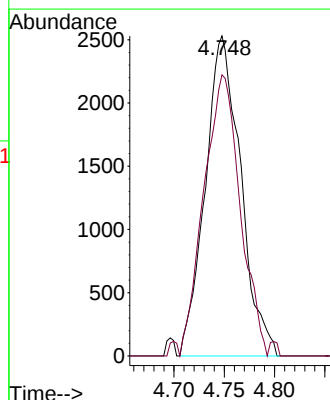
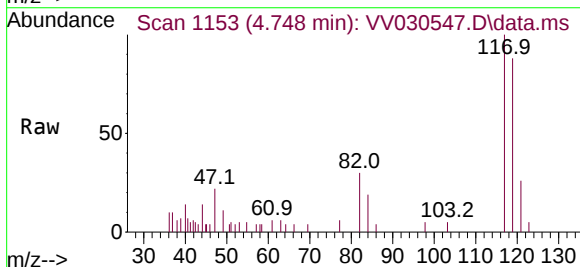
Acq: 13 Apr 2023 15:58

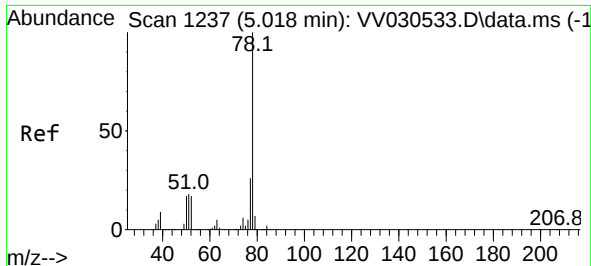
Tgt Ion: 117 Resp: 6204

Ion Ratio Lower Upper

117 100

119 90.0 76.2 114.4

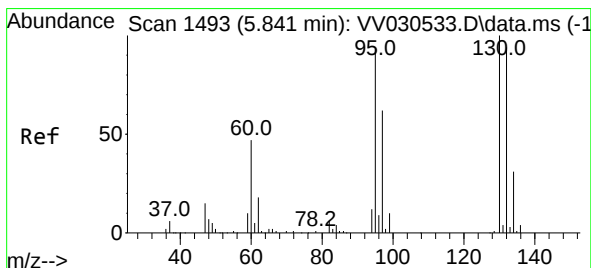
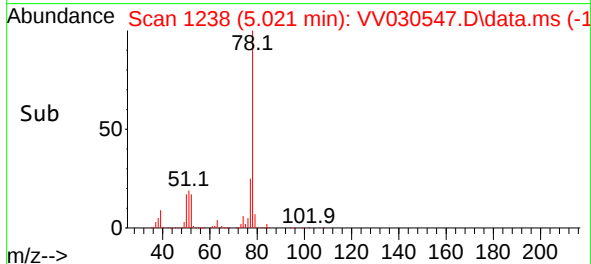
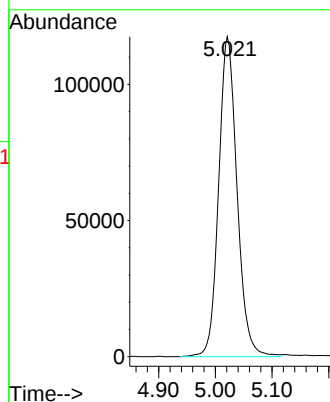
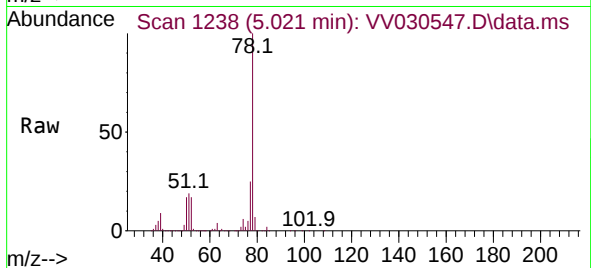




#33
Benzene
Concen: 5.080 ug/L
RT: 5.021 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV030547.D
Acq: 13 Apr 2023 15:58

Instrument :
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BHDZ9

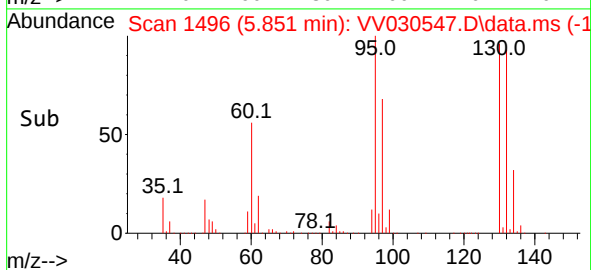
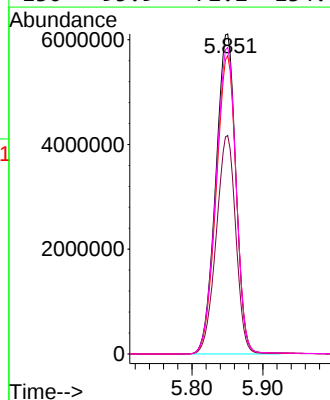
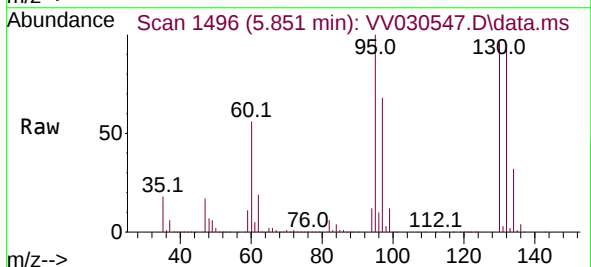
Tgt Ion: 78 Resp: 264878

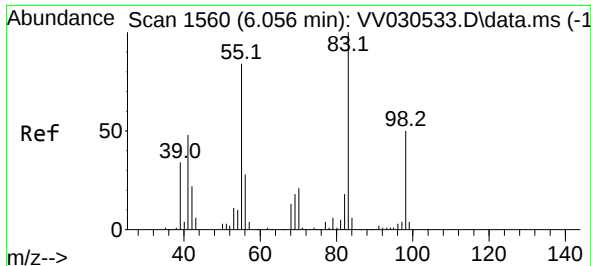


#34
Trichloroethene
Concen: 854.180 ug/L
RT: 5.851 min Scan# 1496
Delta R.T. 0.010 min
Lab File: VV030547.D
Acq: 13 Apr 2023 15:58

Tgt Ion: 95 Resp:12011312

Ion	Ratio	Lower	Upper
95	100		
97	68.3	44.2	82.2
132	93.2	69.5	129.1
130	95.9	72.2	134.0

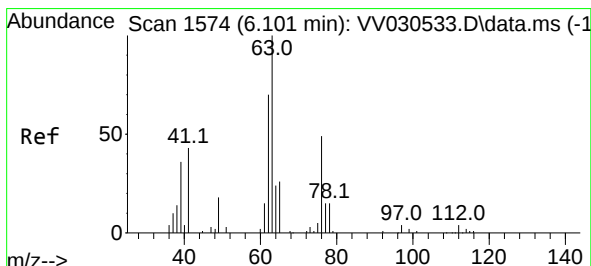
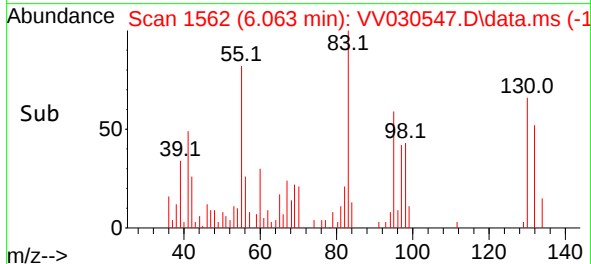
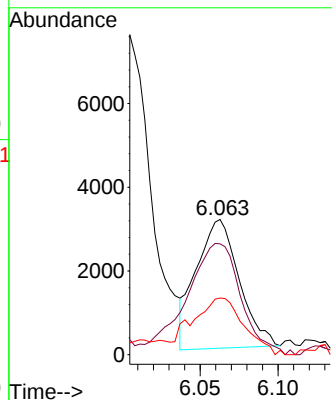
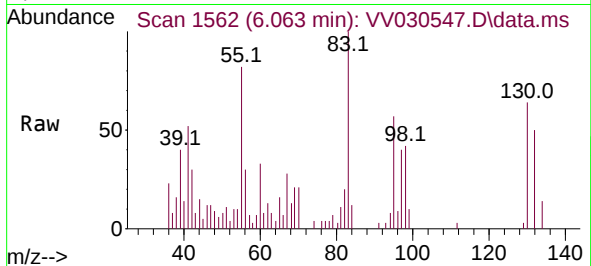




#35
Methylcyclohexane
Concen: 0.268 ug/L
RT: 6.063 min Scan# 1560
Delta R.T. 0.006 min
Lab File: VV030547.D
Acq: 13 Apr 2023 15:58

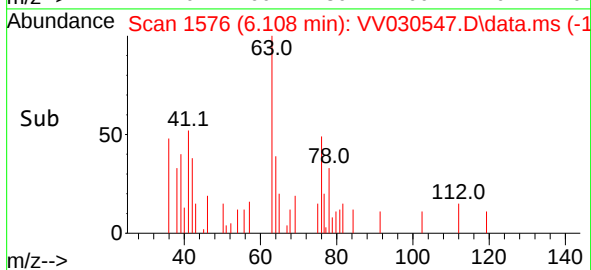
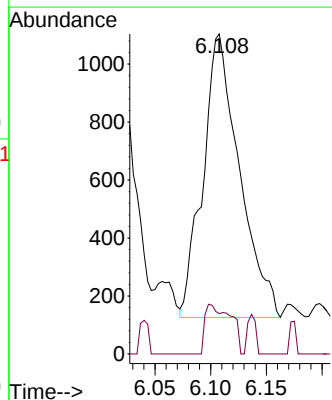
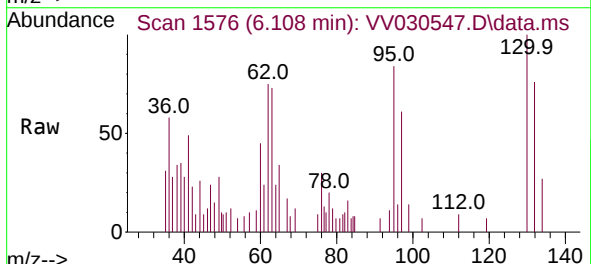
Instrument :
MSVOA_V
ClientSampleId :
BHDZ9

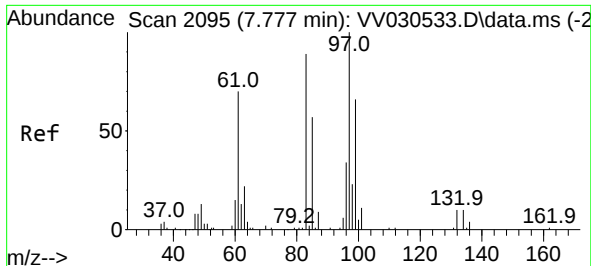
Tgt Ion: 83 Resp: 5916
Ion Ratio Lower Upper
83 100
55 109.1 66.6 100.0#
98 0.0 38.6 58.0#



#37
1,2-Dichloropropane
Concen: 0.167 ug/L
RT: 6.108 min Scan# 1576
Delta R.T. 0.006 min
Lab File: VV030547.D
Acq: 13 Apr 2023 15:58

Tgt Ion: 63 Resp: 2230
Ion Ratio Lower Upper
63 100
112 12.3 3.9 5.9#





#45

1,1,2-Trichloroethane

Concen: 0.285 ug/L

RT: 7.783 min Scan# 2095

Delta R.T. 0.006 min

Lab File: VV030547.D

Acq: 13 Apr 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

BHDZ9

Tgt Ion: 97 Resp: 2687

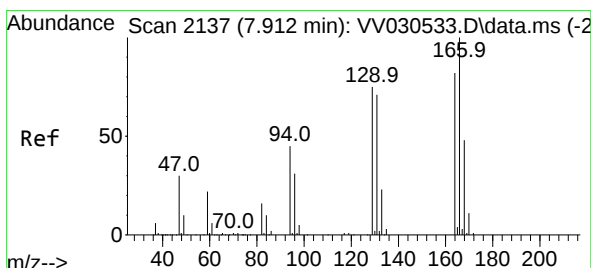
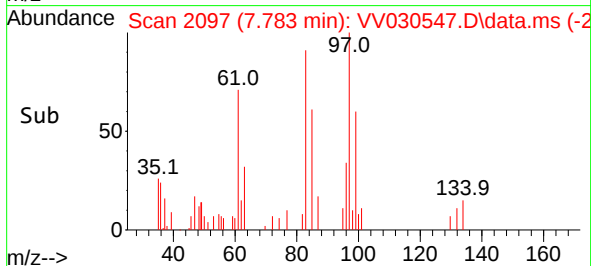
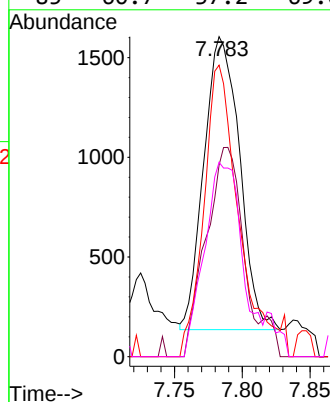
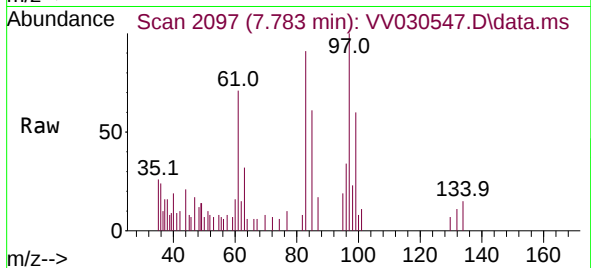
Ion Ratio Lower Upper

97 100

99 59.9 44.0 81.8

83 91.1 58.8 109.2

85 60.7 37.2 69.0



#47

Tetrachloroethene

Concen: 302.826 ug/L

RT: 7.918 min Scan# 2139

Delta R.T. 0.006 min

Lab File: VV030547.D

Acq: 13 Apr 2023 15:58

Tgt Ion: 164 Resp: 3758143

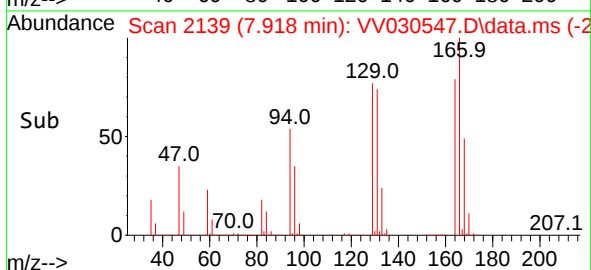
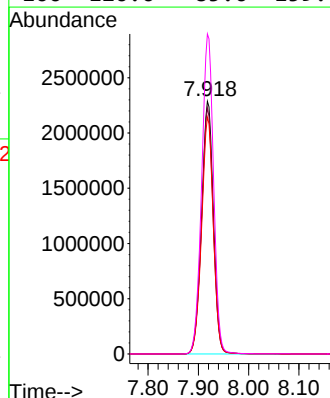
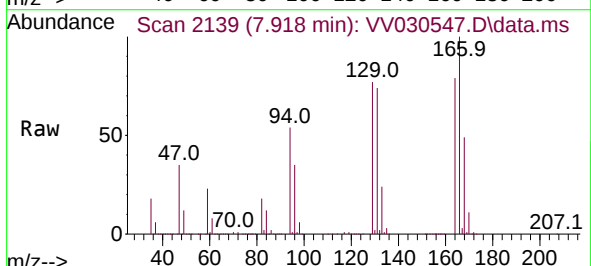
Ion Ratio Lower Upper

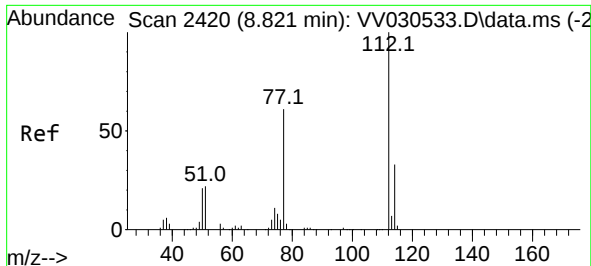
164 100

129 97.4 60.8 112.8

131 93.7 61.7 114.7

166 126.6 85.6 159.0

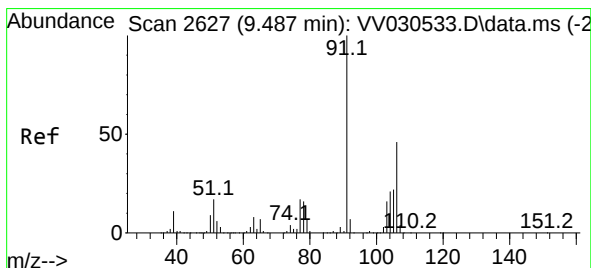
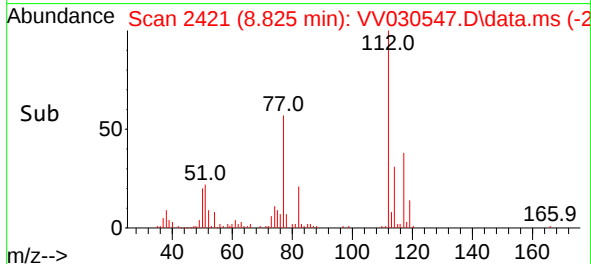
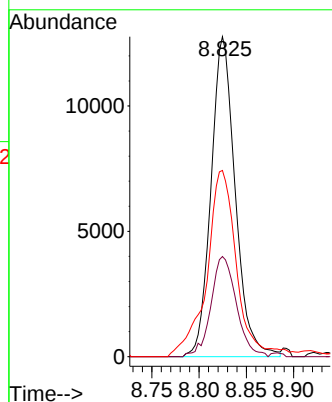
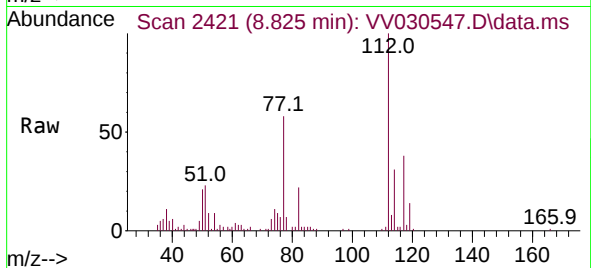




#51
Chlorobenzene
Concen: 0.640 ug/L
RT: 8.825 min Scan# 2420
Delta R.T. 0.003 min
Lab File: VV030547.D
Acq: 13 Apr 2023 15:58

Instrument :
MSVOA_V
ClientSampleId :
BHDZ9

Tgt Ion:112 Resp: 22775
Ion Ratio Lower Upper
112 100
114 31.3 22.4 41.6
77 58.2 45.9 68.9



#54
o-Xylene
Concen: 2.306 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030547.D
Acq: 13 Apr 2023 15:58

Tgt Ion:106 Resp: 51323
Ion Ratio Lower Upper
106 100
91 213.0 149.8 278.2

