

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112522\
 Data File : VW029363.D
 Acq On : 25 Nov 2022 18:40
 Operator : SY/MD
 Sample : N5759-01DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB76DL

Quant Time: Nov 25 21:33:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 25 21:27:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	283894	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	253447	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	125992	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	81501	4.665	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.200%
7) Chloroethane-d5	1.564	69	64211	5.021	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.400%
11) 1,1-Dichloroethene-d2	2.104	63	107991	3.863	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.200%
20) 2-Butanone-d5	3.911	46	163089	55.802	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.600%
24) Chloroform-d	4.339	84	153427	4.920	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.024	65	73732	5.374	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.400%
32) Benzene-d6	5.043	84	338365	4.831	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	6.063	67	101152	5.139	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.800%
41) Toluene-d8	7.307	98	306171	4.631	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	7.616	79	36767	4.845	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.000%
46) 2-Hexanone-d5	8.085	63	151443	55.986	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.980%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	69559	5.727	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.600%
66) 1,2-Dichlorobenzene-d4	11.612	152	112038	5.090	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.217	85	2290	0.108	ug/L	99
3) Chloromethane	1.240	50	3764	0.194	ug/L	98
5) Vinyl chloride	1.307	62	20707	1.071	ug/L	94
8) Chloroethane	1.307	64	7627	0.664	ug/L #	76
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	2171	0.144	ug/L #	73
12) 1,1-Dichloroethene	2.114	96	17287	1.184	ug/L #	4
16) Methylene chloride	2.503	84	14367	0.644	ug/L	95
17) Methyl tert-butyl Ether	2.767	73	1113	0.030	ug/L #	72
19) 1,1-Dichloroethane	3.182	63	66455	2.204	ug/L	97
22) cis-1,2-Dichloroethene	3.902	96	118366	6.177	ug/L	100
27) 1,2-Dichloroethane	5.130	62	3774	0.221	ug/L	100
29) 1,1,1-Trichloroethane	4.600	97	84170	2.887	ug/L	100
31) Carbon tetrachloride	4.606	117	11502	0.467	ug/L	98
34) Trichloroethene	5.908	95	43356	2.242	ug/L	98
35) Methylcyclohexane	6.063	83	23545	0.721	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	10326	0.578	ug/L #	85
39) cis-1,3-Dichloropropene	6.976	75	2557	0.098	ug/L #	64
44) trans-1,3-Dichloropropene	7.616	75	1859	0.090	ug/L #	80
61) 1,2,3-Trichloropropane	11.236	75	15202	1.740	ug/L #	64

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QLast Update : Fri Nov 25 21:27:54 2022
Response via : Initial Calibration

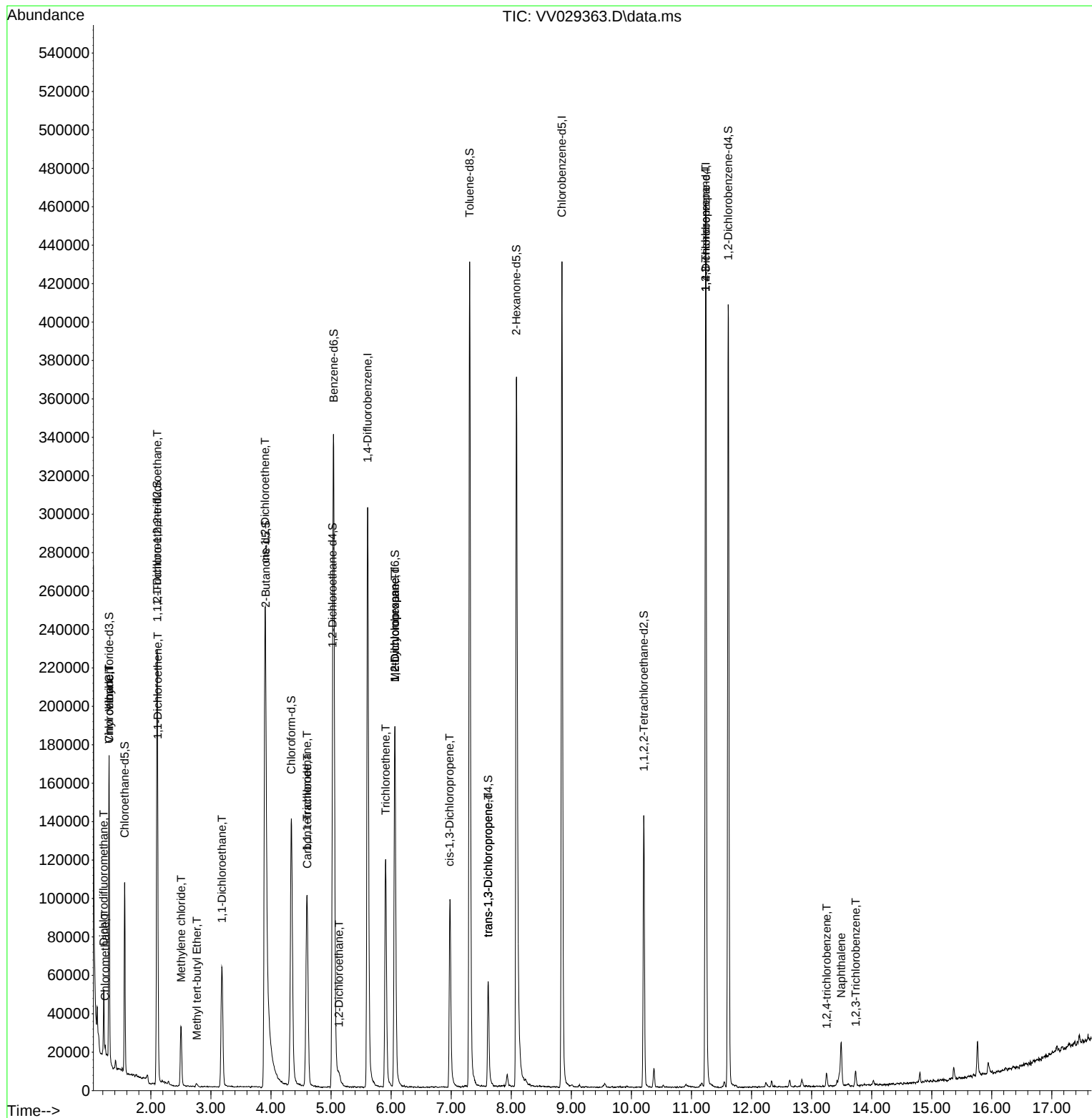
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.249	180	2372	0.093	ug/L	89
71) Naphthalene	13.493	128	26287	1.197	ug/L	98
72) 1,2,3-Trichlorobenzene	13.734	180	2947	0.143	ug/L	97

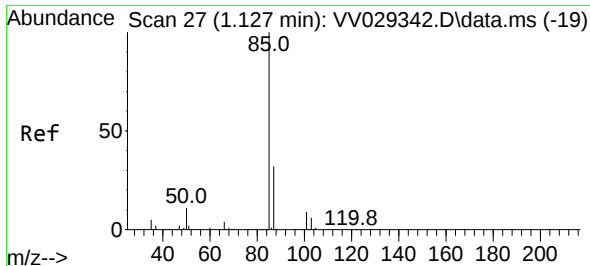
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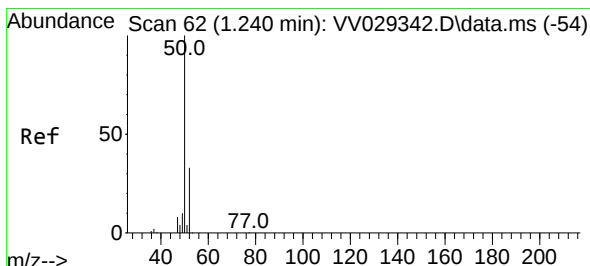
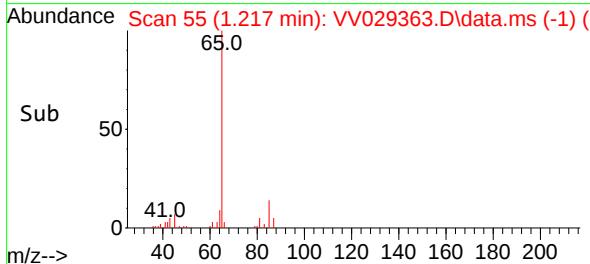
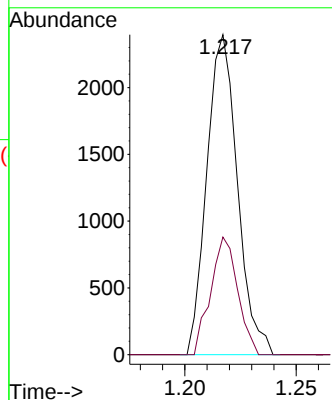
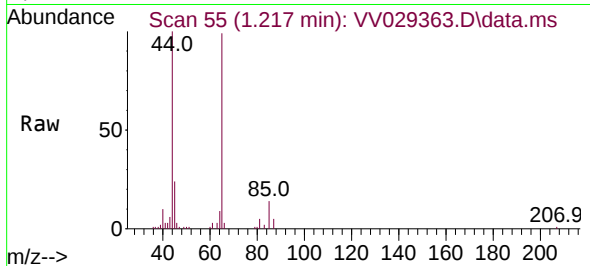




#2
Dichlorodifluoromethane
Concen: 0.108 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.090 min
Lab File: VV029363.D
Acq: 25 Nov 2022 18:40

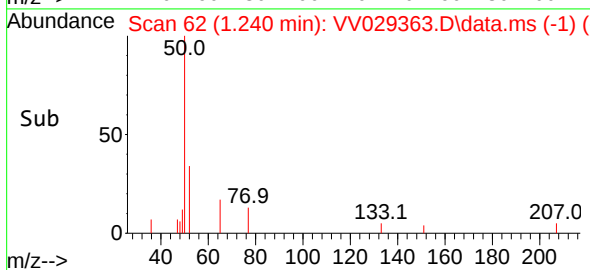
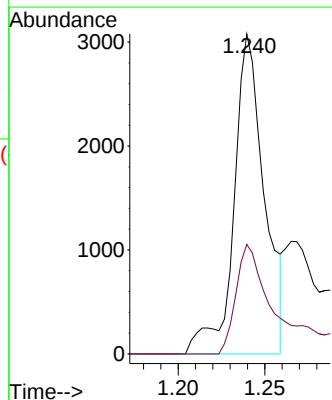
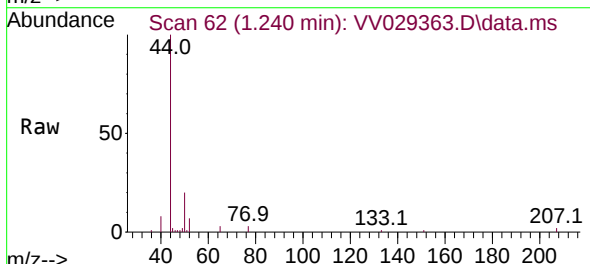
Instrument :
MSVOA_V
ClientSampleId :
BHB76DL

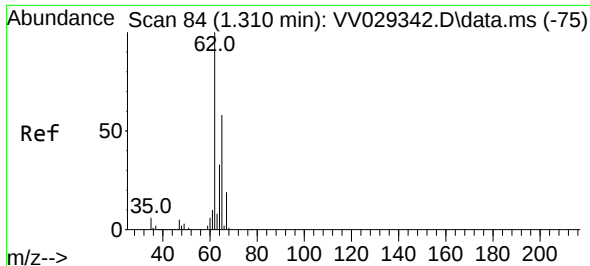
Tgt Ion: 85 Resp: 2290
Ion Ratio Lower Upper
85 100
87 32.4 26.2 39.4



#3
Chloromethane
Concen: 0.194 ug/L
RT: 1.240 min Scan# 62
Delta R.T. -0.000 min
Lab File: VV029363.D
Acq: 25 Nov 2022 18:40

Tgt Ion: 50 Resp: 3764
Ion Ratio Lower Upper
50 100
52 34.2 23.2 43.2

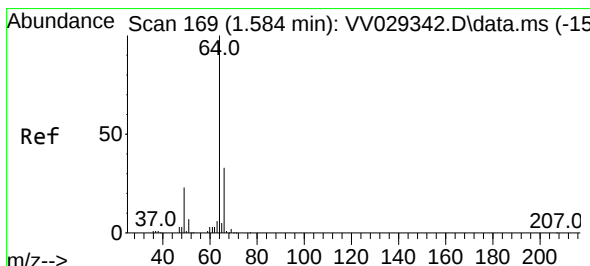
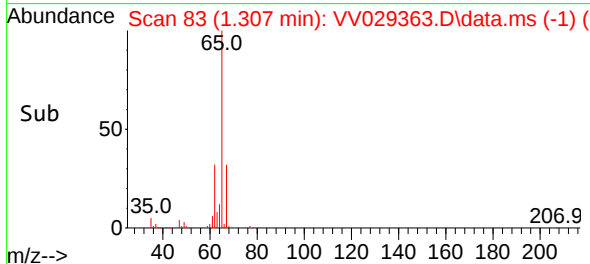
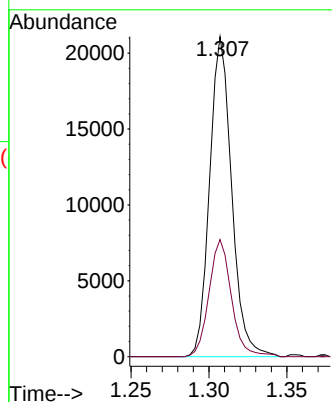
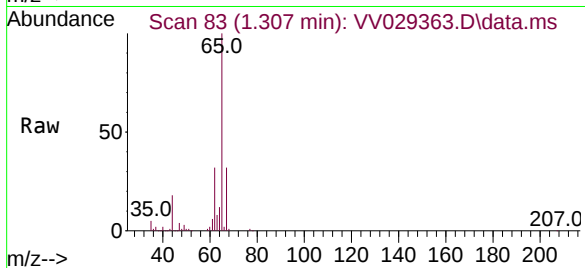




#5
 Vinyl chloride
 Concen: 1.071 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV029363.D
 Acq: 25 Nov 2022 18:40

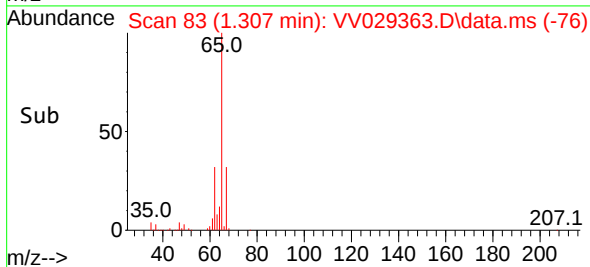
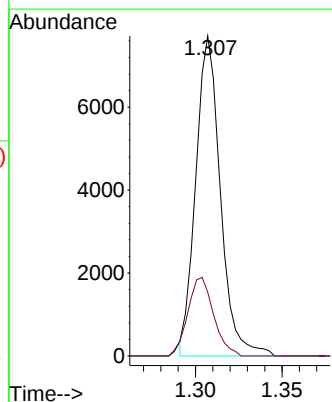
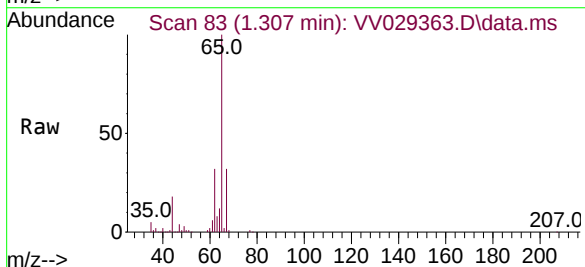
Instrument :
 MSVOA_V
 ClientSampleId :
 BHB76DL

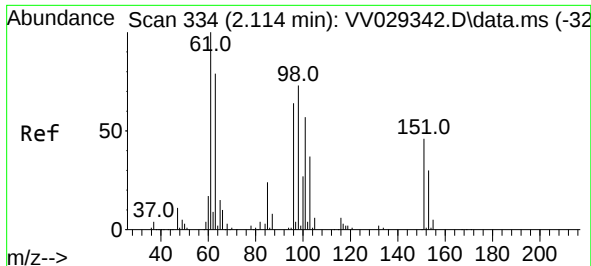
Tgt Ion: 62 Resp: 20707
 Ion Ratio Lower Upper
 62 100
 64 36.6 23.4 43.4



#8
 Chloroethane
 Concen: 0.664 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.277 min
 Lab File: VV029363.D
 Acq: 25 Nov 2022 18:40

Tgt Ion: 64 Resp: 7627
 Ion Ratio Lower Upper
 64 100
 66 19.9 23.5 43.7#

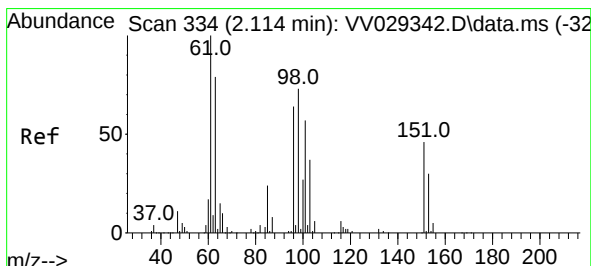
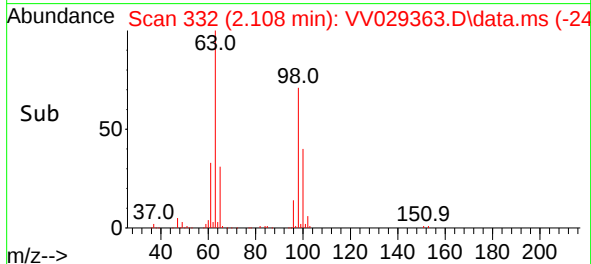
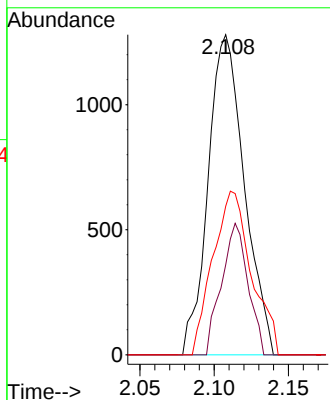
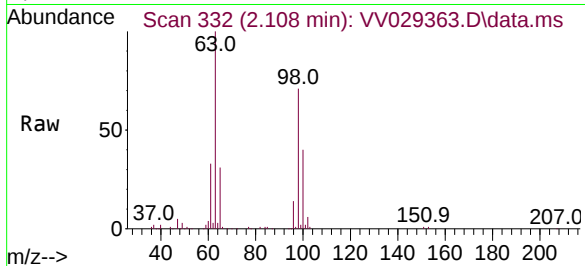




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.144 ug/L
RT: 2.108 min Scan# 31
Delta R.T. -0.007 min
Lab File: VV029363.D
Acq: 25 Nov 2022 18:40

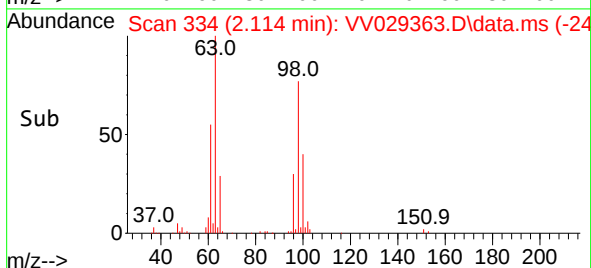
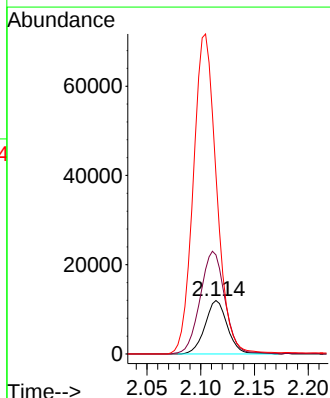
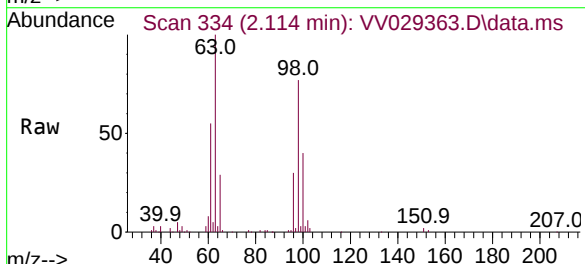
Instrument :
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BHB76DL

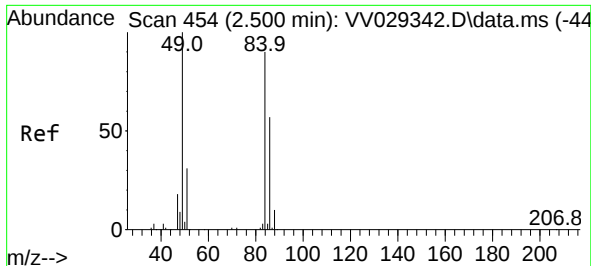
Tgt Ion:101 Resp: 2171
Ion Ratio Lower Upper
101 100
85 29.8 33.6 50.4#
151 54.5 65.3 97.9#



#12
1,1-Dichloroethene
Concen: 1.184 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.000 min
Lab File: VV029363.D
Acq: 25 Nov 2022 18:40

Tgt Ion: 96 Resp: 17287
Ion Ratio Lower Upper
96 100
61 185.3 110.3 204.9
63 335.5 84.4 156.8#

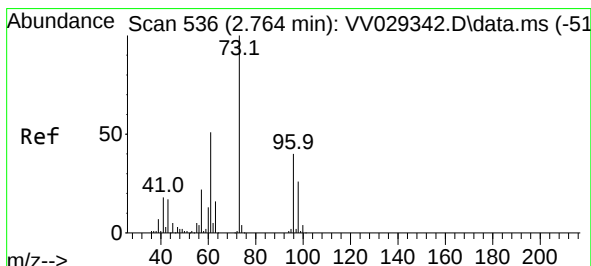
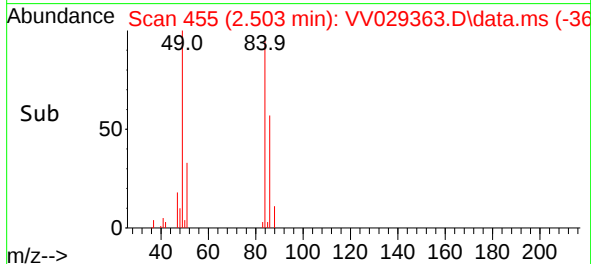
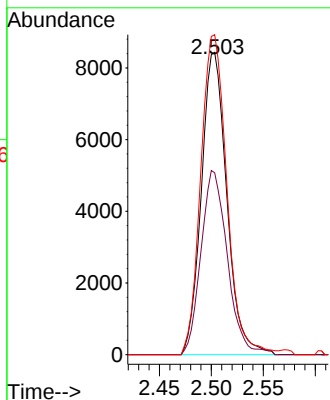
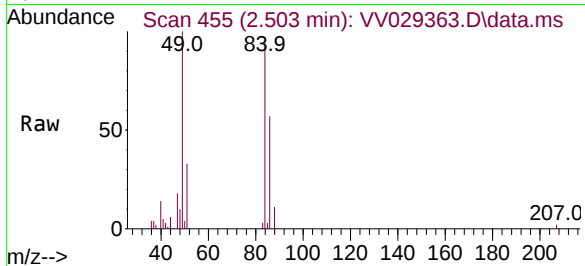




#16
Methylene chloride
Concen: 0.644 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029363.D
Acq: 25 Nov 2022 18:40

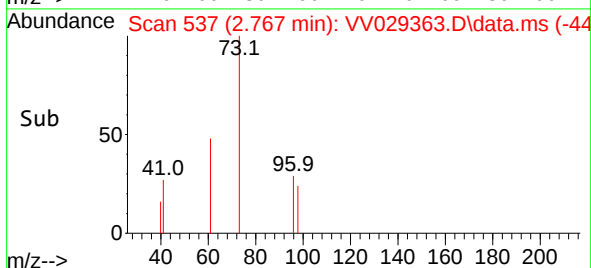
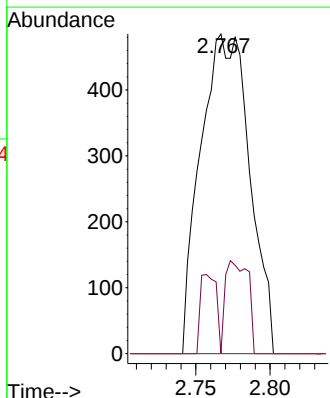
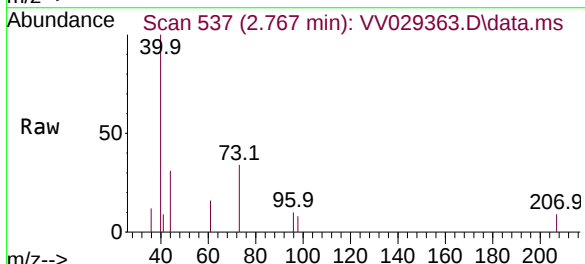
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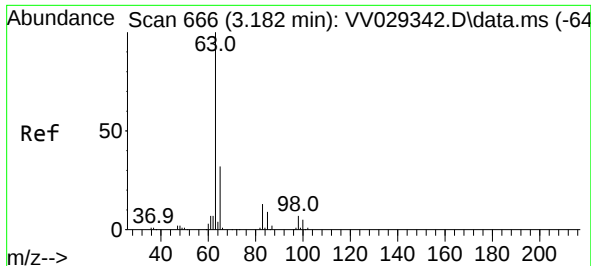
Tgt Ion: 84 Resp: 14367
Ion Ratio Lower Upper
84 100
86 60.2 45.6 84.6
49 105.8 77.8 144.4



#17
Methyl tert-butyl Ether
Concen: 0.030 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.003 min
Lab File: VV029363.D
Acq: 25 Nov 2022 18:40

Tgt Ion: 73 Resp: 1113
Ion Ratio Lower Upper
73 100
43 13.4 13.2 19.8
57 0.0 16.9 25.3





#19

1,1-Dichloroethane

Concen: 2.204 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV029363.D

Acq: 25 Nov 2022 18:40

Instrument :

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ClientSampleId :

BHB76DL

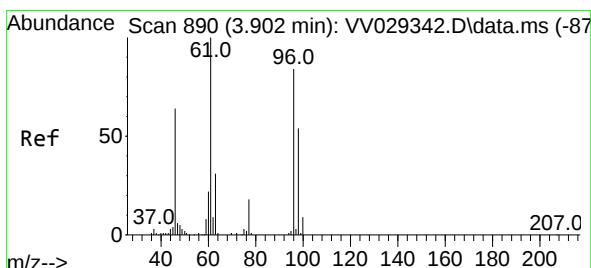
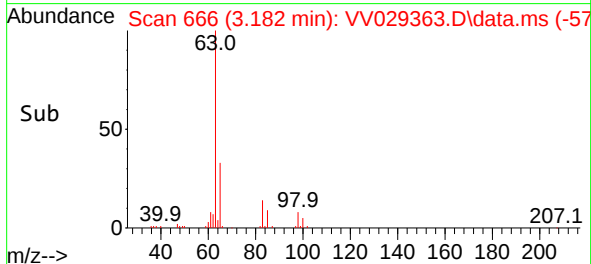
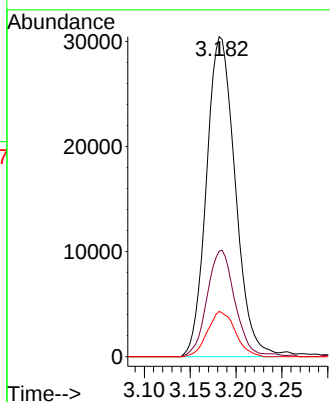
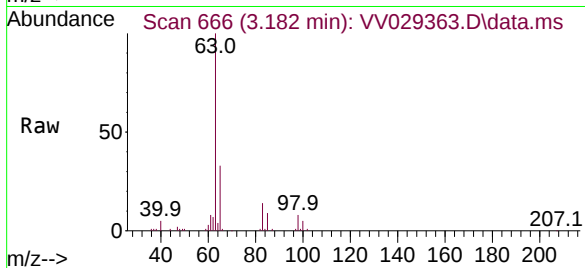
Tgt Ion: 63 Resp: 66455

Ion Ratio Lower Upper

63 100

65 33.0 21.6 40.2

83 14.1 10.3 19.1



#22

cis-1,2-Dichloroethene

Concen: 6.177 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.000 min

Lab File: VV029363.D

Acq: 25 Nov 2022 18:40

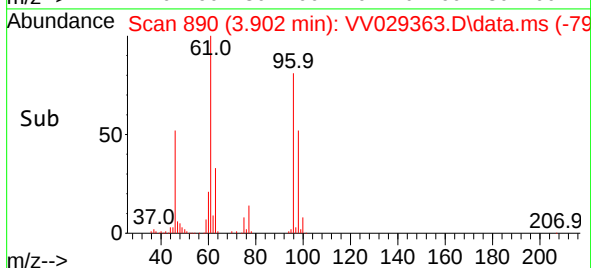
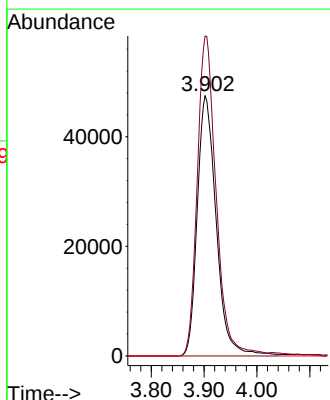
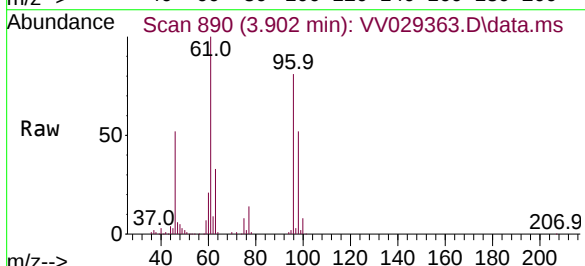
Tgt Ion: 96 Resp: 118366

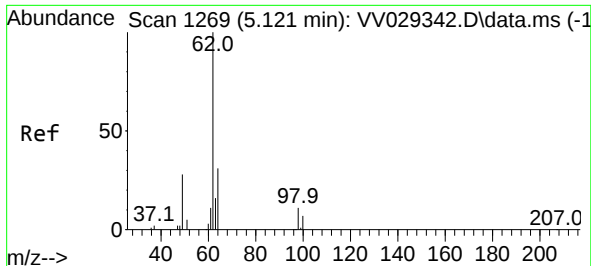
Ion Ratio Lower Upper

96 100

61 123.0 85.8 159.3

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.221 ug/L

RT: 5.130 min Scan# 1107

Delta R.T. 0.010 min

Lab File: VV029363.D

Acq: 25 Nov 2022 18:40

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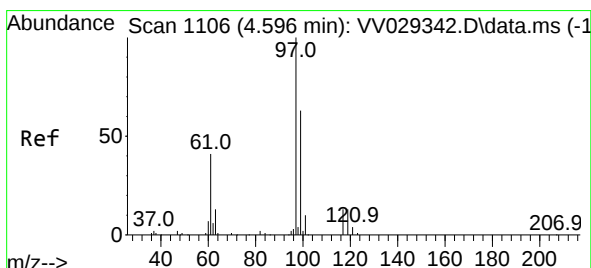
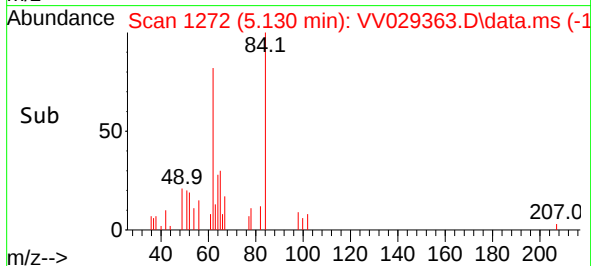
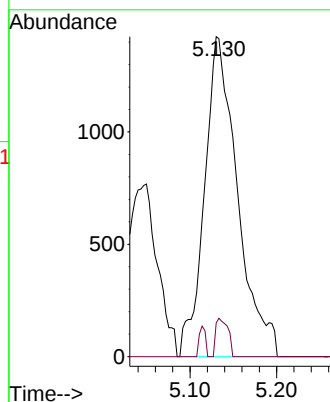
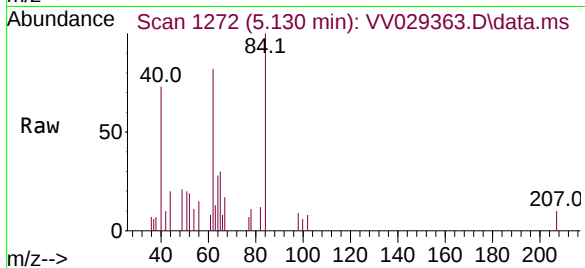
BHB76DL

Tgt Ion: 62 Resp: 3774

Ion Ratio Lower Upper

62 100

98 10.5 8.4 12.6



#29

1,1,1-Trichloroethane

Concen: 2.887 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV029363.D

Acq: 25 Nov 2022 18:40

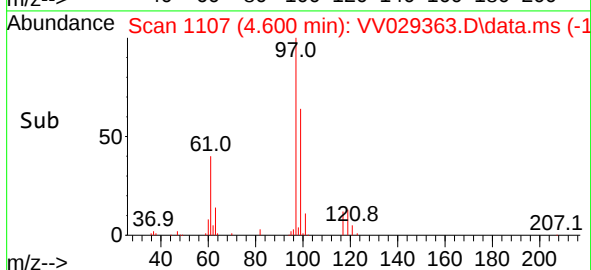
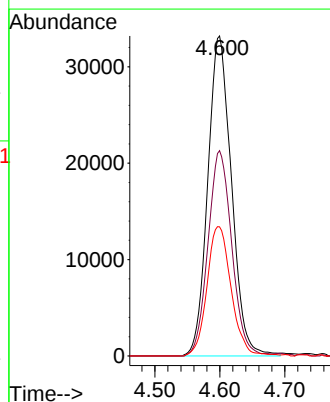
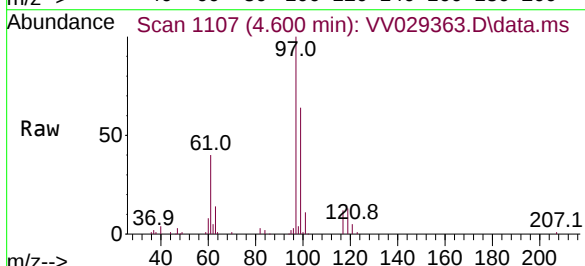
Tgt Ion: 97 Resp: 84170

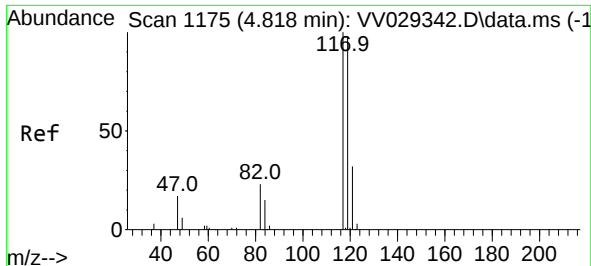
Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

61 41.2 33.3 49.9

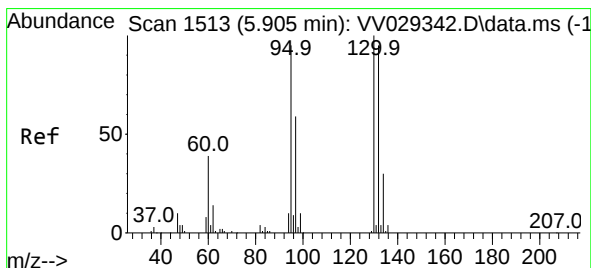
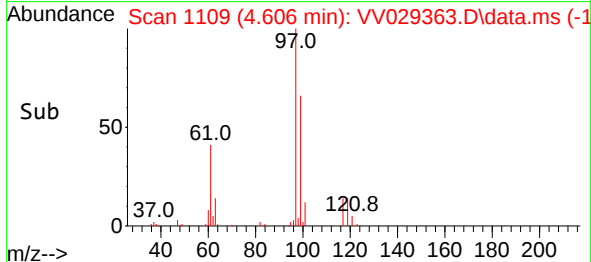
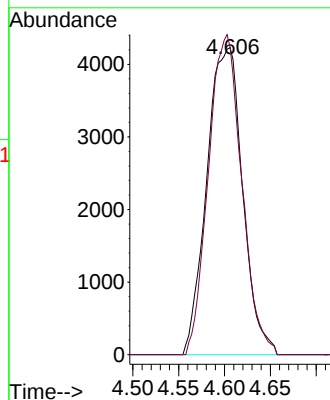
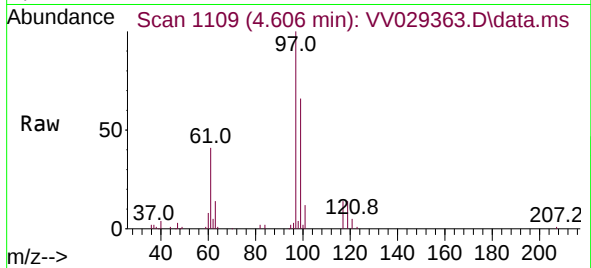




#31
Carbon tetrachloride
Concen: 0.467 ug/L
RT: 4.606 min Scan# 1175
Delta R.T. -0.212 min
Lab File: VV029363.D
Acq: 25 Nov 2022 18:40

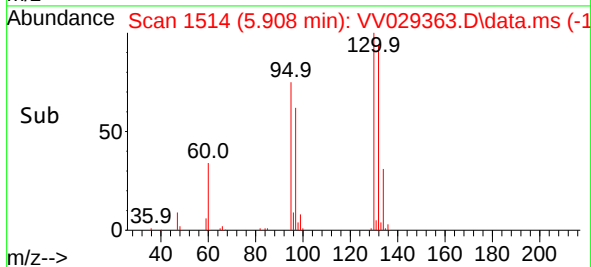
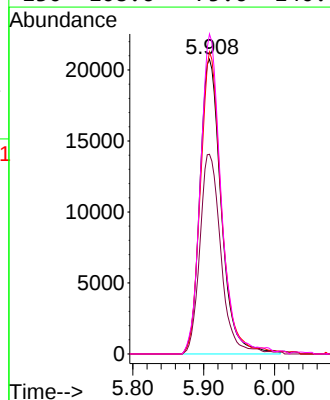
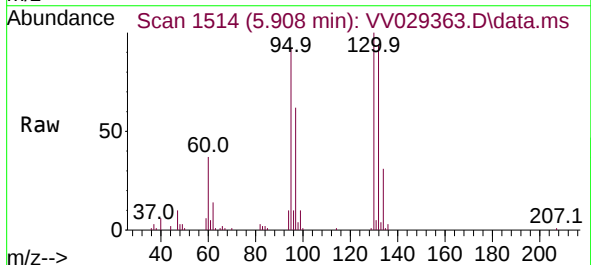
Instrument :
MSVOA_V
ClientSampleId :
BHB76DL

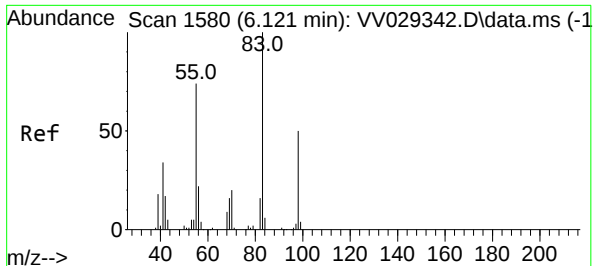
Tgt Ion:117 Resp: 11502
Ion Ratio Lower Upper
117 100
119 96.8 75.7 113.5



#34
Trichloroethene
Concen: 2.242 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV029363.D
Acq: 25 Nov 2022 18:40

Tgt Ion: 95 Resp: 43356
Ion Ratio Lower Upper
95 100
97 67.8 45.4 84.4
132 102.5 73.3 136.1
130 108.6 75.6 140.4

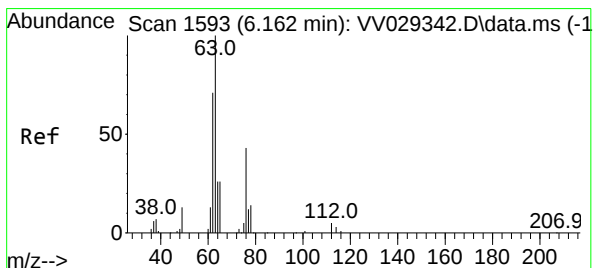
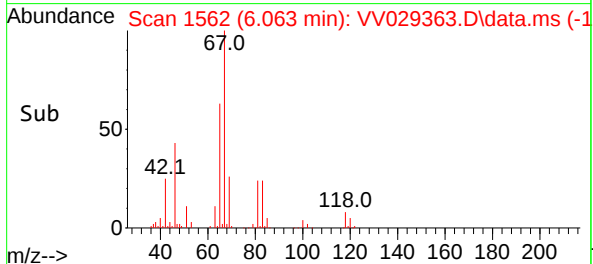
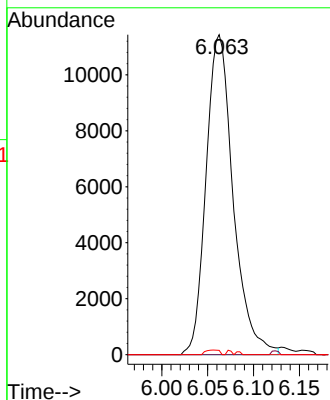
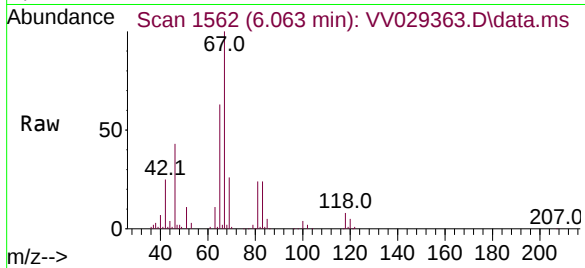




#35
Methylcyclohexane
Concen: 0.721 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.058 min
Lab File: VV029363.D
Acq: 25 Nov 2022 18:40

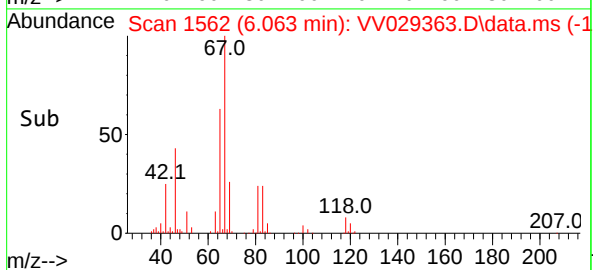
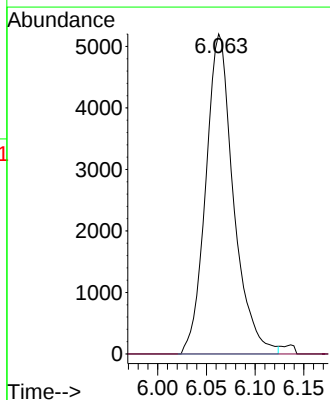
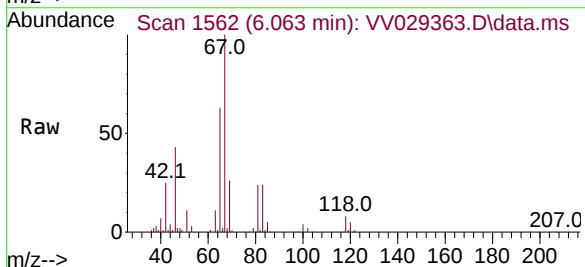
Instrument :
MSVOA_V
ClientSampleId :
BHB76DL

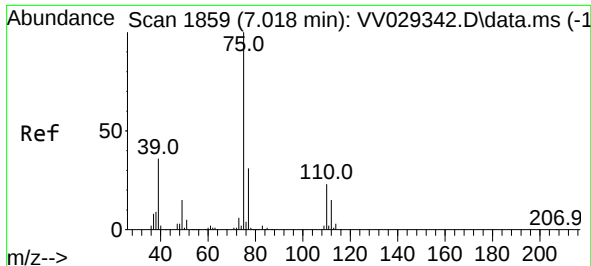
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.3	55.4	83.2#
98	0.7	39.4	59.2#



#37
1,2-Dichloropropane
Concen: 0.578 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.100 min
Lab File: VV029363.D
Acq: 25 Nov 2022 18:40

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.1	6.1#





#39

cis-1,3-Dichloropropene

Concen: 0.098 ug/L

RT: 6.976 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV029363.D

Acq: 25 Nov 2022 18:40

Instrument :

MSVOA_V

ClientSampleId :

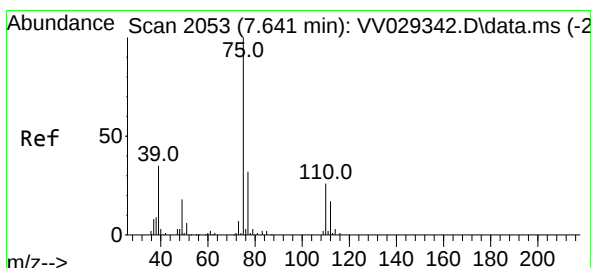
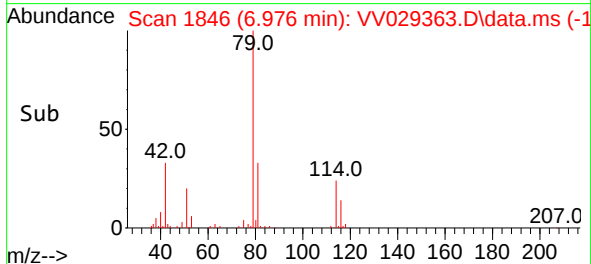
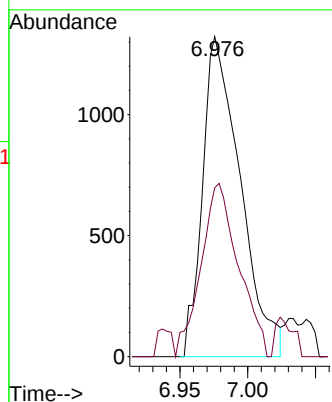
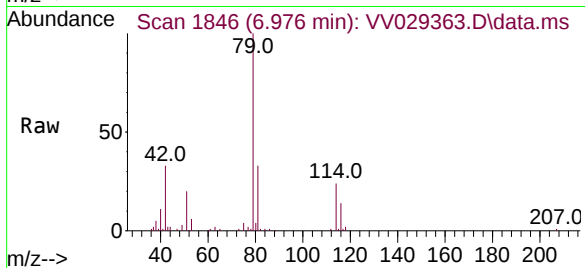
BHB76DL

Tgt Ion: 75 Resp: 2557

Ion Ratio Lower Upper

75 100

77 52.8 22.7 42.3#



#44

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.616 min Scan# 2045

Delta R.T. -0.026 min

Lab File: VV029363.D

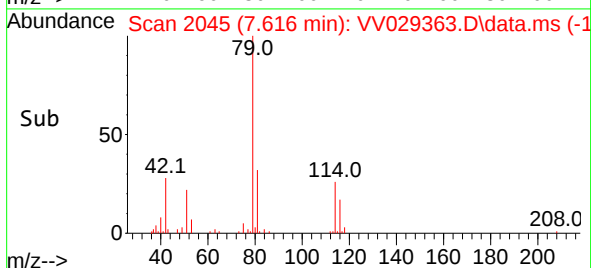
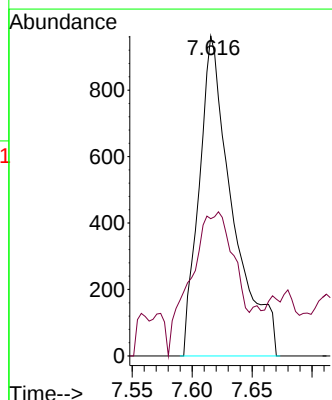
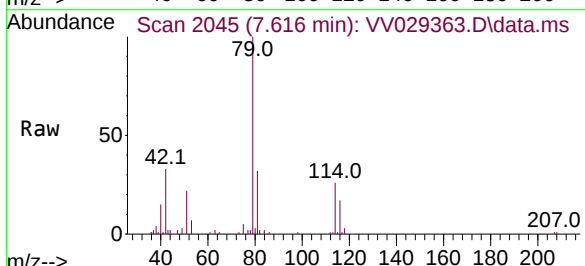
Acq: 25 Nov 2022 18:40

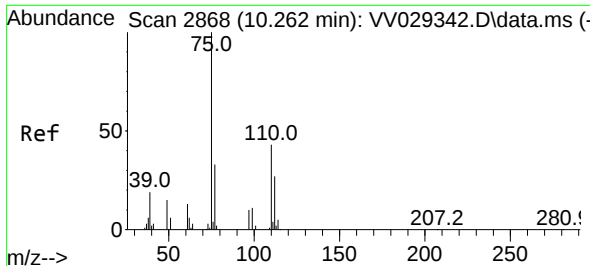
Tgt Ion: 75 Resp: 1859

Ion Ratio Lower Upper

75 100

77 42.9 22.4 41.6#

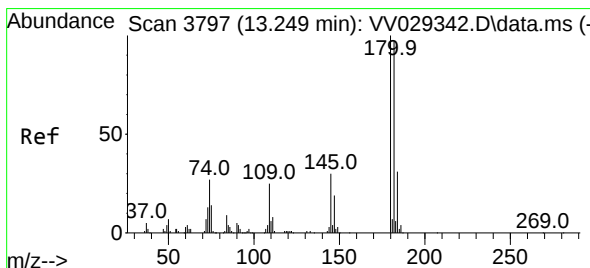
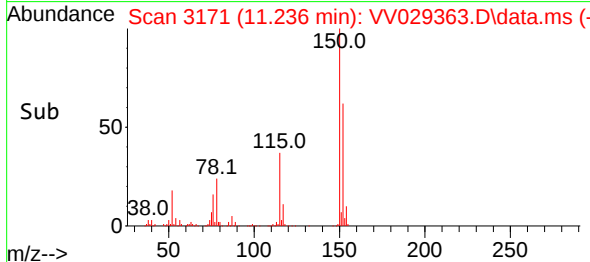
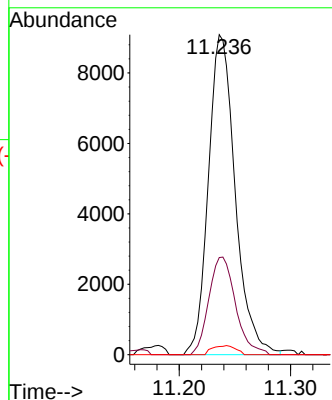
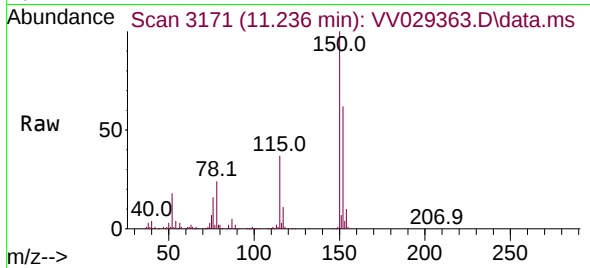




#61
 1,2,3-Trichloropropane
 Concen: 1.740 ug/L
 RT: 11.236 min Scan# 3171
 Delta R.T. 0.974 min
 Lab File: VV029363.D
 Acq: 25 Nov 2022 18:40

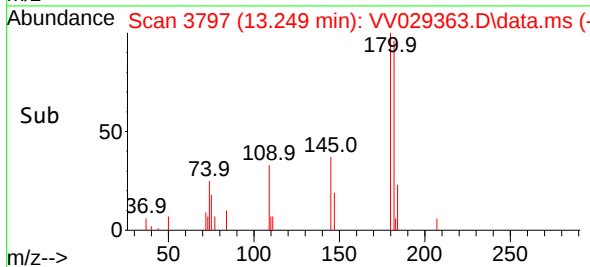
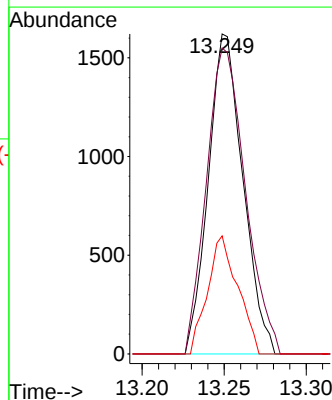
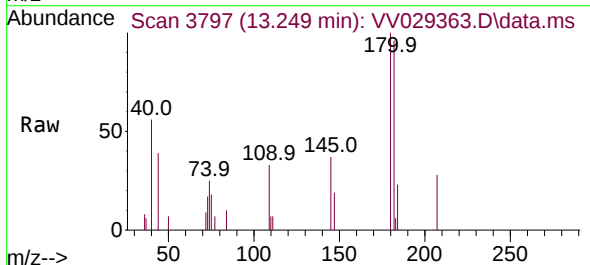
Instrument :
 MSVOA_V
 ClientSampleId :
 BHB76DL

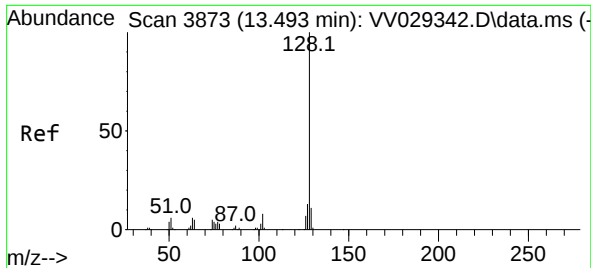
Tgt Ion: 75 Resp: 15202
 Ion Ratio Lower Upper
 75 100
 77 30.4 26.7 40.1
 110 2.5 32.2 48.4#



#70
 1,2,4-trichlorobenzene
 Concen: 0.093 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. -0.000 min
 Lab File: VV029363.D
 Acq: 25 Nov 2022 18:40

Tgt Ion: 180 Resp: 2372
 Ion Ratio Lower Upper
 180 100
 182 107.8 76.2 114.4
 145 32.2 23.4 35.0

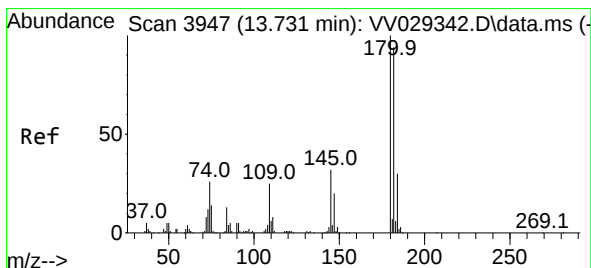
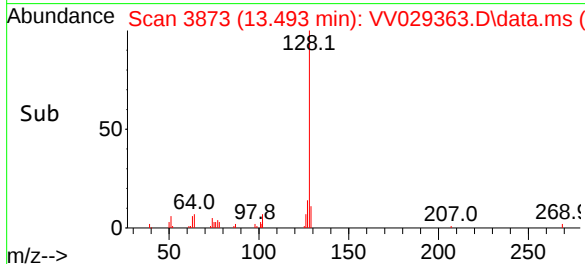
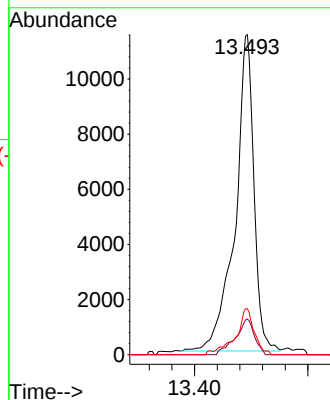
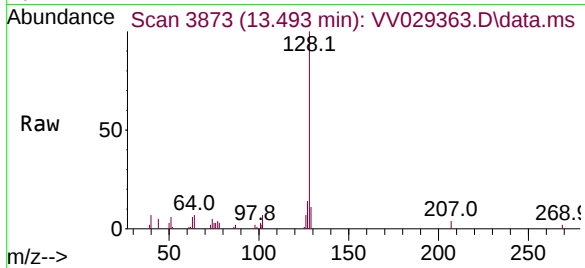




#71
Naphthalene
Concen: 1.197 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. -0.000 min
Lab File: VV029363.D
Acq: 25 Nov 2022 18:40

Instrument :
MSVOA_V
ClientSampleId :
BHB76DL

Tgt Ion:	128	Resp:	26287
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.9	13.3
127	14.1	10.6	15.8



#72
1,2,3-Trichlorobenzene
Concen: 0.143 ug/L
RT: 13.734 min Scan# 3948
Delta R.T. 0.003 min
Lab File: VV029363.D
Acq: 25 Nov 2022 18:40

Tgt Ion:	180	Resp:	2947
Ion Ratio	Lower	Upper	
180	100		
182	91.8	75.0	112.4
145	27.3	25.2	37.8

