

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112224\
 Data File : VV038290.D
 Acq On : 23 Nov 2024 00:20
 Operator : SY/MD
 Sample : P4930-06
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 23 02:08:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 23 02:01:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	244707	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	266725	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	112985	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	65530	3.494	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.800%
7) Chloroethane-d5	1.529	69	66825	4.405	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.053	65	30321	3.757	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.200%
20) 2-Butanone-d5	3.786	46	174418	46.485	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.960%
24) Chloroform-d	4.240	84	166350	4.570	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	4.937	65	79375	4.860	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
32) Benzene-d6	4.953	84	291455	4.228	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	5.982	67	100228	4.725	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.240	98	224091	3.513	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.200%
43) trans-1,3-Dichloroprop...	7.558	79	30537	3.872	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.400%
46) 2-Hexanone-d5	8.021	63	136940	44.669	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.340%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	83406	4.632	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	11.554	152	95252	4.948	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	8008	0.346	ug/L	97
5) Vinyl chloride	1.282	62	63439	2.808	ug/L	97
12) 1,1-Dichloroethene	2.066	96	618173	35.369	ug/L #	66
15) Methyl Acetate	2.256	43	18026	2.675	ug/L #	47
16) Methylene chloride	2.446	84	5780	0.290	ug/L	96
17) Methyl tert-butyl Ether	2.700	73	24587	0.622	ug/L	96
18) trans-1,2-Dichloroethene	2.700	96	3113	0.169	ug/L	96
19) 1,1-Dichloroethane	3.101	63	851032	25.463	ug/L	99
22) cis-1,2-Dichloroethene	3.806	96	178838	9.394	ug/L	98
29) 1,1,1-Trichloroethane	4.510	97	9865	0.308	ug/L	98
33) Benzene	5.015	78	7011	0.094	ug/L	100
34) Trichloroethene	5.825	95	132585	6.492	ug/L	96
35) Methylcyclohexane	5.982	83	23918	0.828	ug/L #	19
37) 1,2-Dichloropropane	5.982	63	10959	0.584	ug/L #	87
42) Toluene	7.336	91	7493	0.094	ug/L	91
47) Tetrachloroethene	7.899	164	18166	1.107	ug/L	98
49) Dibromochloromethane	7.902	129	16214	0.977	ug/L #	11
61) 1,2,3-Trichloropropane	11.178	75	13034	1.347	ug/L #	66

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 23 02:01:29 2024
Response via : Initial Calibration

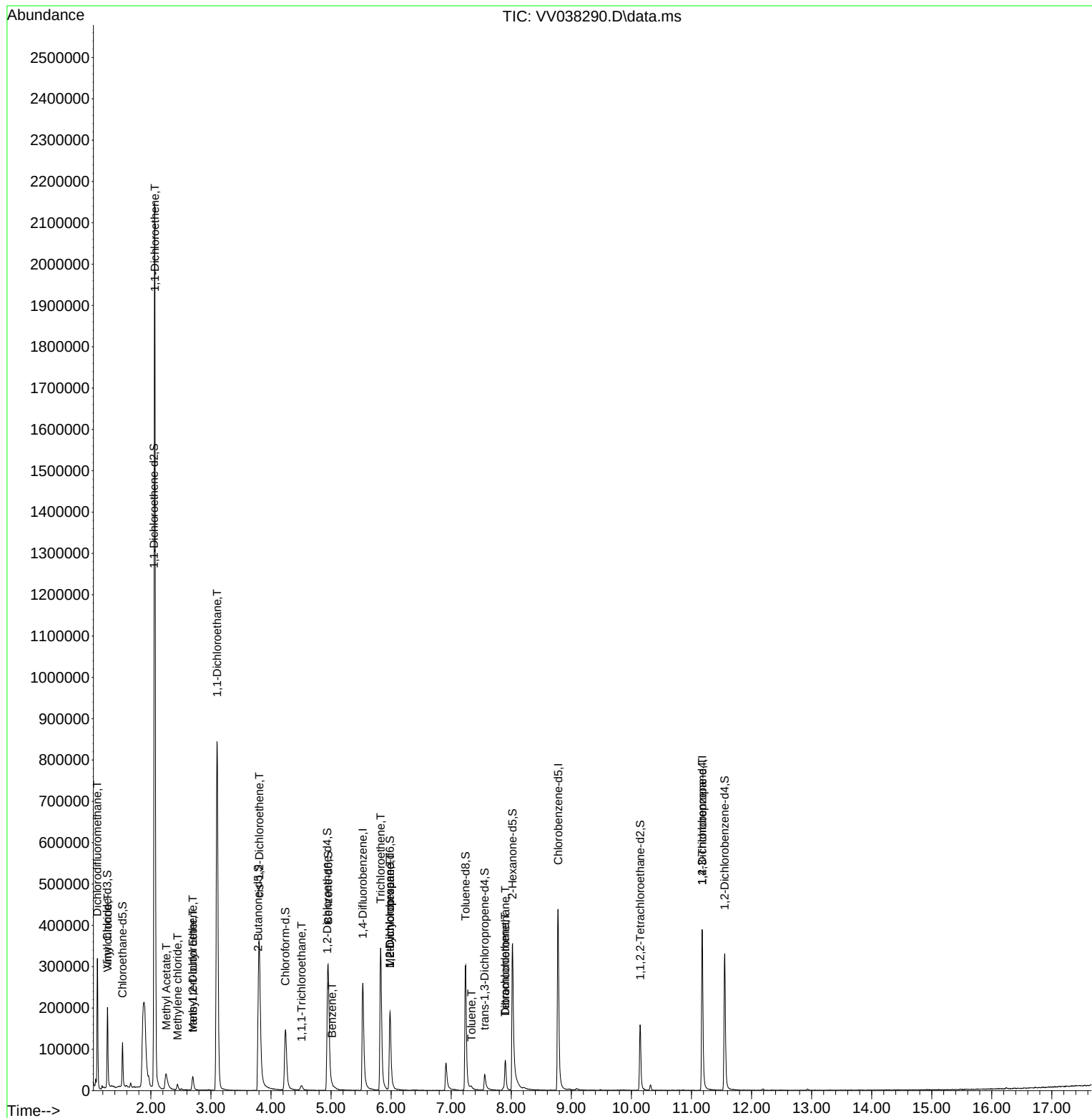
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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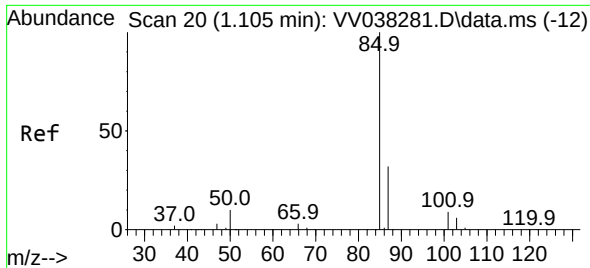
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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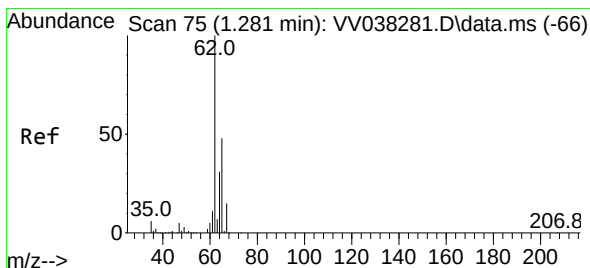
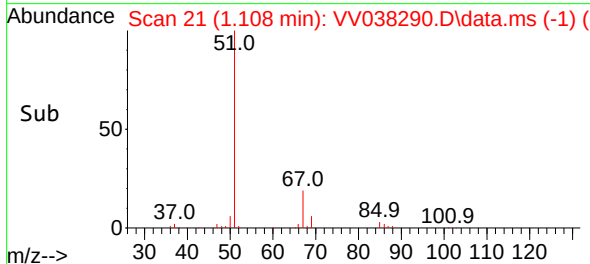
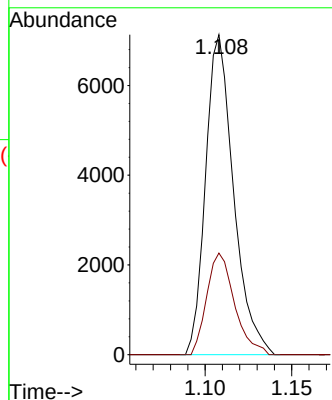
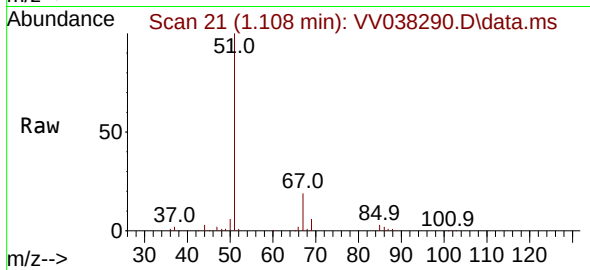




#2
 Dichlorodifluoromethane
 Concen: 0.346 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV038290.D
 Acq: 23 Nov 2024 00:20

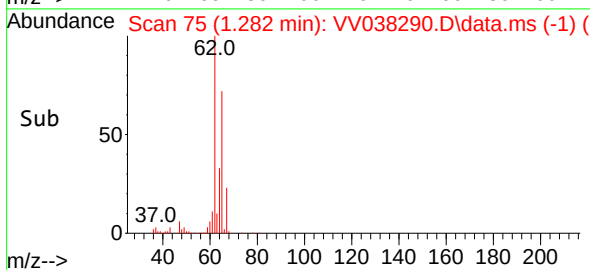
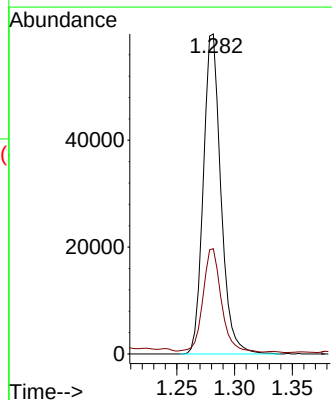
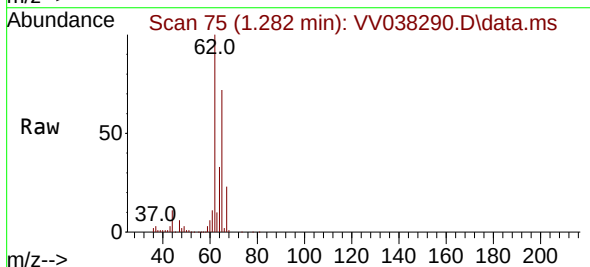
Instrument :
 MSVOA_V
 ClientSampleId :

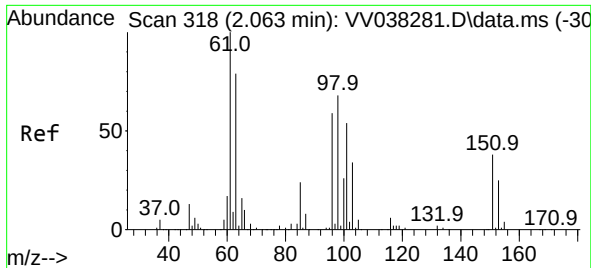
Tgt Ion: 85 Resp: 8008
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.5 39.7



#5
 Vinyl chloride
 Concen: 2.808 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV038290.D
 Acq: 23 Nov 2024 00:20

Tgt Ion: 62 Resp: 63439
 Ion Ratio Lower Upper
 62 100
 64 32.9 24.4 45.4

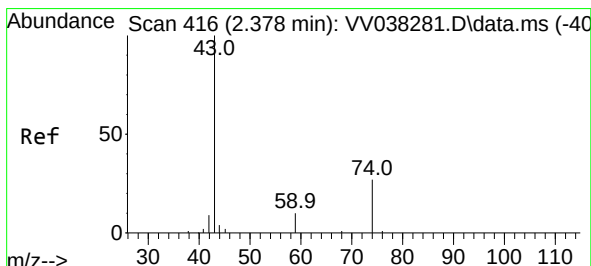
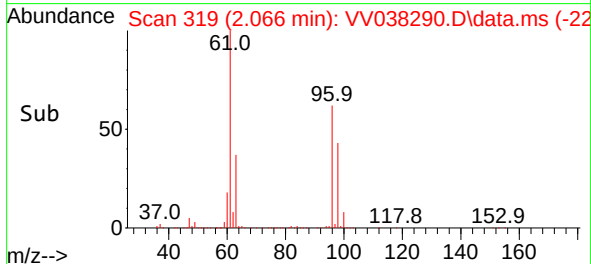
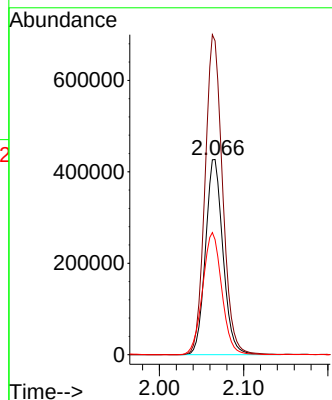
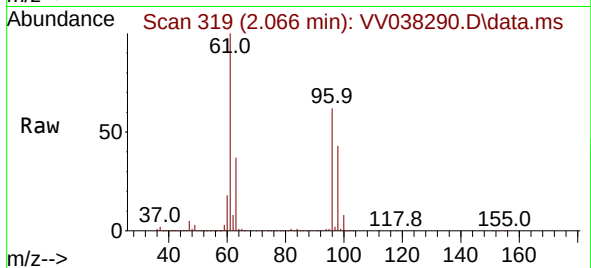




#12
 1,1-Dichloroethene
 Concen: 35.369 ug/L
 RT: 2.066 min Scan# 318
 Delta R.T. 0.003 min
 Lab File: VV038290.D
 Acq: 23 Nov 2024 00:20

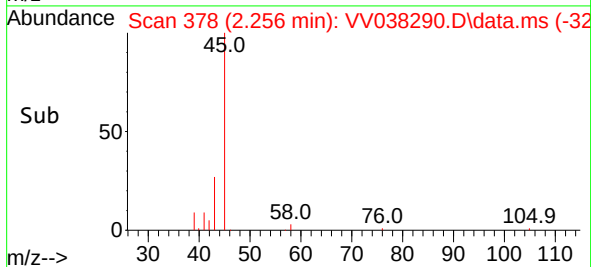
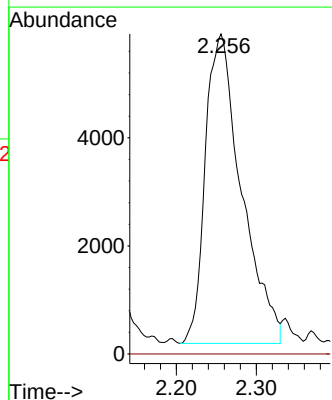
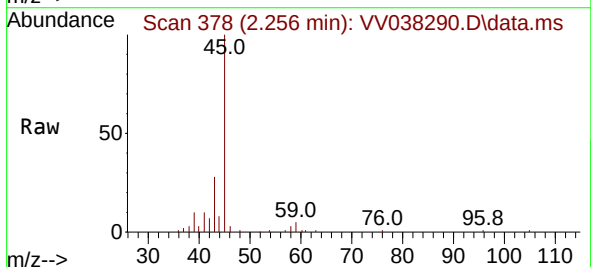
Instrument :
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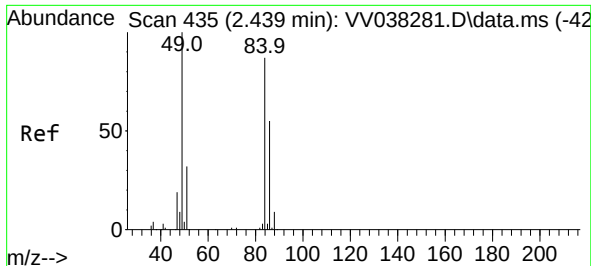
Tgt Ion: 96 Resp: 618173
 Ion Ratio Lower Upper
 96 100
 61 160.8 115.7 214.9
 63 58.9 101.1 187.7#



#15
 Methyl Acetate
 Concen: 2.675 ug/L
 RT: 2.256 min Scan# 378
 Delta R.T. -0.122 min
 Lab File: VV038290.D
 Acq: 23 Nov 2024 00:20

Tgt Ion: 43 Resp: 18026
 Ion Ratio Lower Upper
 43 100
 74 0.0 22.4 33.6#

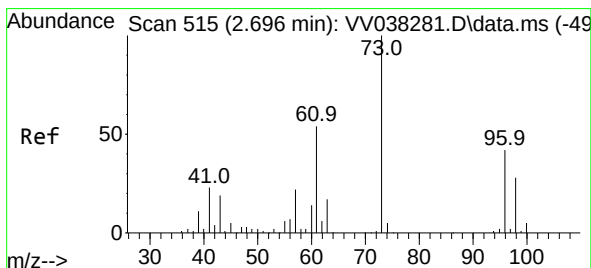
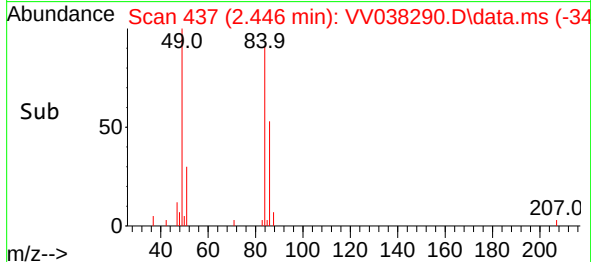
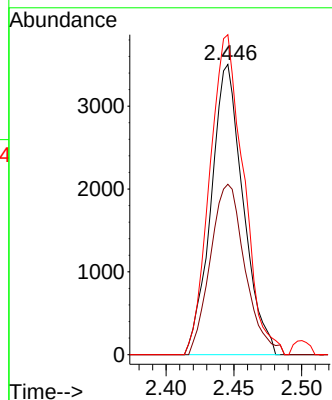
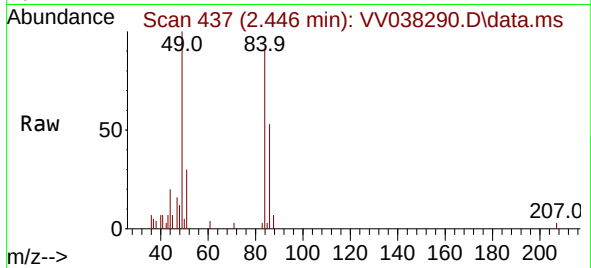




#16
Methylene chloride
Concen: 0.290 ug/L
RT: 2.446 min Scan# 41
Delta R.T. 0.007 min
Lab File: VV038290.D
Acq: 23 Nov 2024 00:20

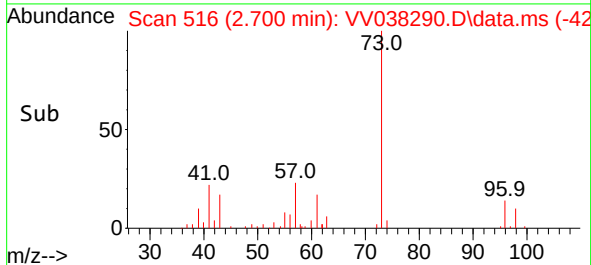
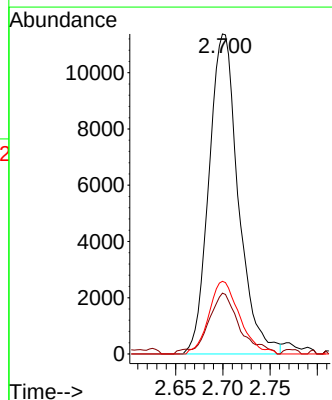
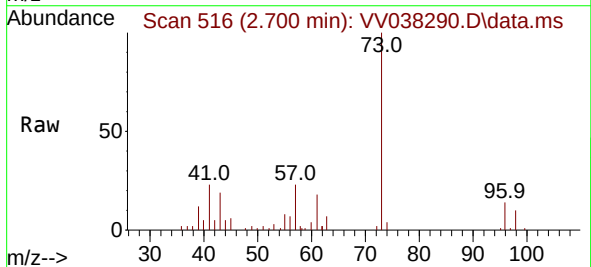
Instrument :
MSVOA_V
ClientSampleId :

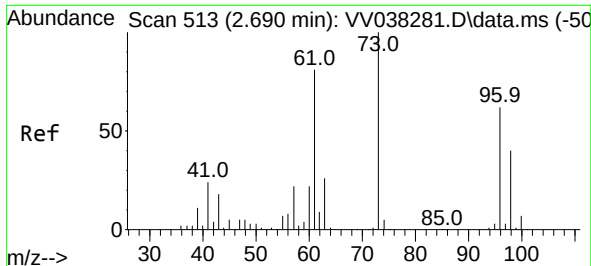
Tgt Ion: 84 Resp: 5780
Ion Ratio Lower Upper
84 100
86 58.7 44.2 82.2
49 110.3 74.9 139.1



#17
Methyl tert-butyl Ether
Concen: 0.622 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV038290.D
Acq: 23 Nov 2024 00:20

Tgt Ion: 73 Resp: 24587
Ion Ratio Lower Upper
73 100
43 20.0 14.2 21.2
57 23.7 17.6 26.4

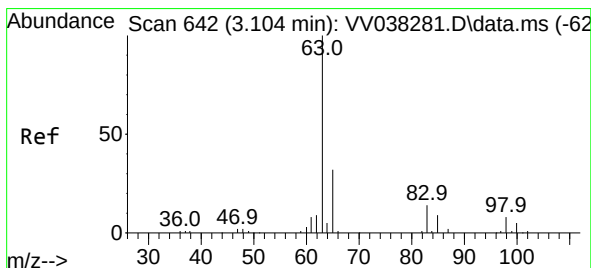
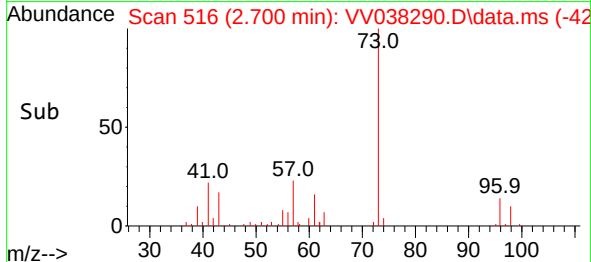
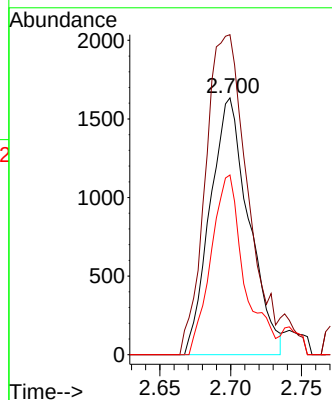
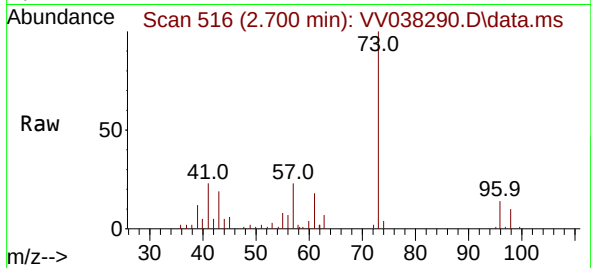




#18
trans-1,2-Dichloroethene
Concen: 0.169 ug/L
RT: 2.700 min Scan# 513
Delta R.T. 0.010 min
Lab File: VV038290.D
Acq: 23 Nov 2024 00:20

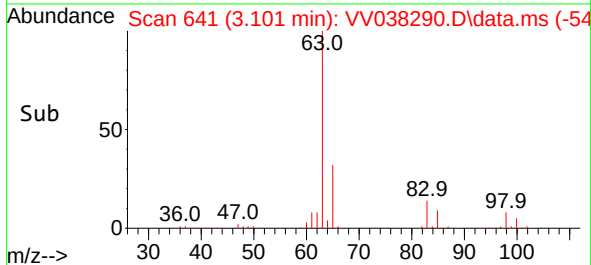
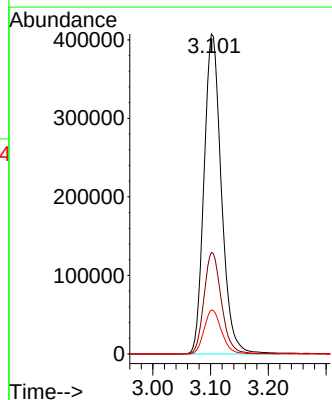
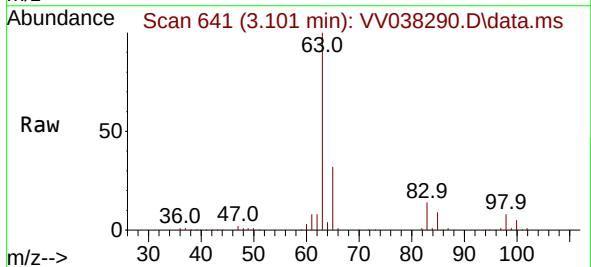
Instrument :
MSVOA_V
ClientSampleId :

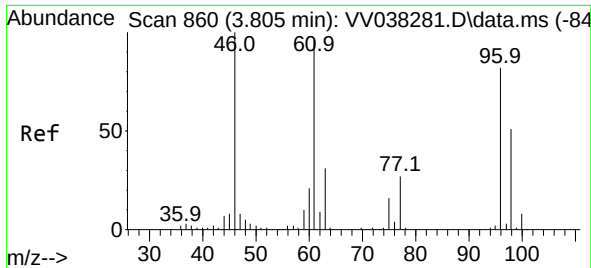
Tgt Ion: 96 Resp: 3113
Ion Ratio Lower Upper
96 100
61 124.6 88.5 164.4
98 70.0 43.9 81.5



#19
1,1-Dichloroethane
Concen: 25.463 ug/L
RT: 3.101 min Scan# 641
Delta R.T. -0.003 min
Lab File: VV038290.D
Acq: 23 Nov 2024 00:20

Tgt Ion: 63 Resp: 851032
Ion Ratio Lower Upper
63 100
65 31.7 22.5 41.7
83 13.7 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 9.394 ug/L

RT: 3.806 min Scan# 860

Delta R.T. 0.000 min

Lab File: VV038290.D

Acq: 23 Nov 2024 00:20

Instrument :

MSVOA_V

ClientSampleId :

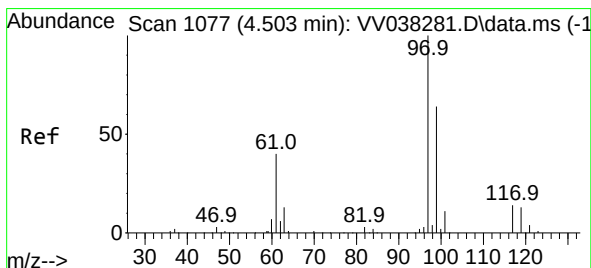
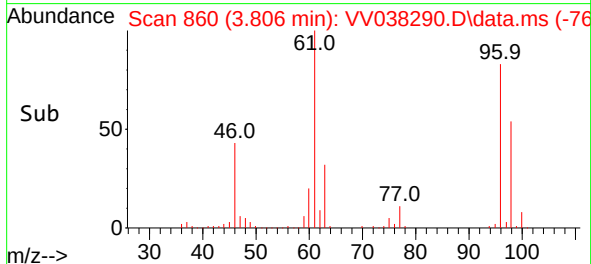
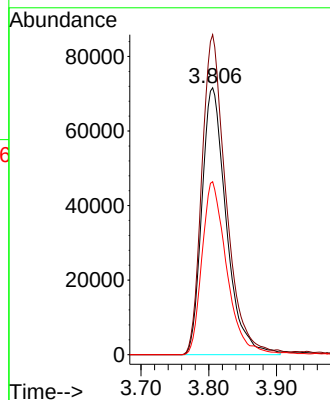
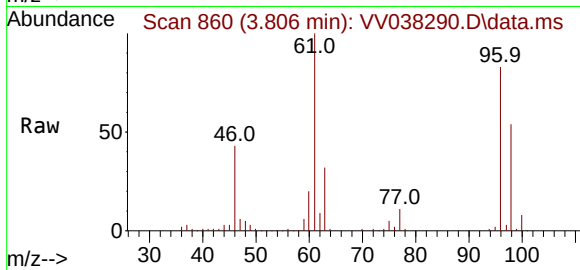
Tgt Ion: 96 Resp: 178838

Ion Ratio Lower Upper

96 100

61 119.9 82.7 153.5

98 64.8 46.3 85.9



#29

1,1,1-Trichloroethane

Concen: 0.308 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.007 min

Lab File: VV038290.D

Acq: 23 Nov 2024 00:20

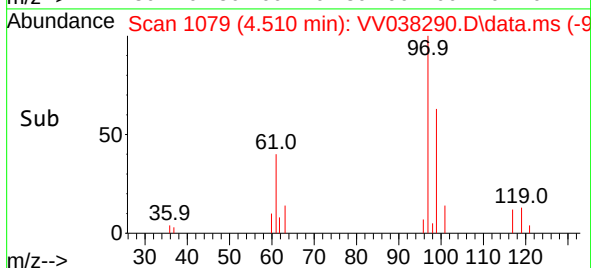
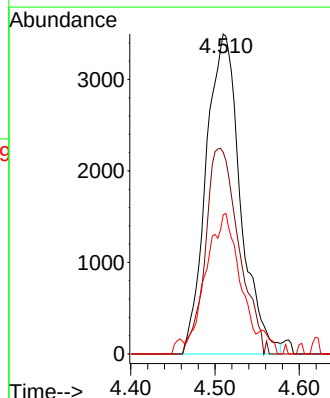
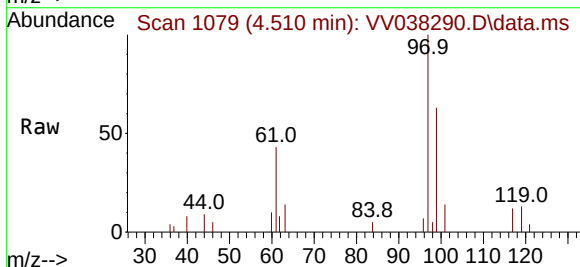
Tgt Ion: 97 Resp: 9865

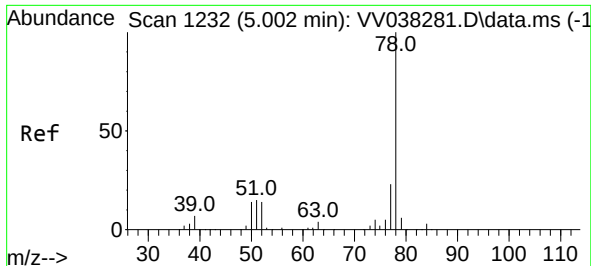
Ion Ratio Lower Upper

97 100

99 63.0 51.8 77.8

61 39.2 32.2 48.2

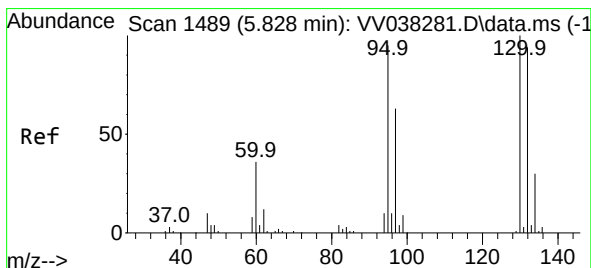
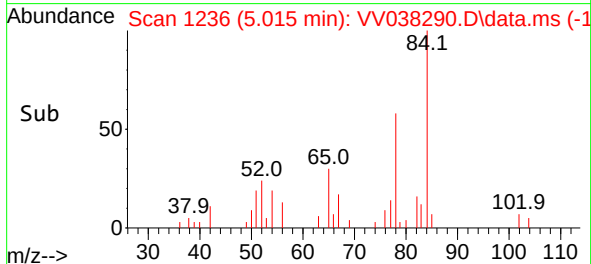
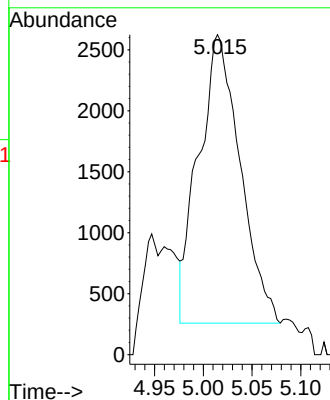
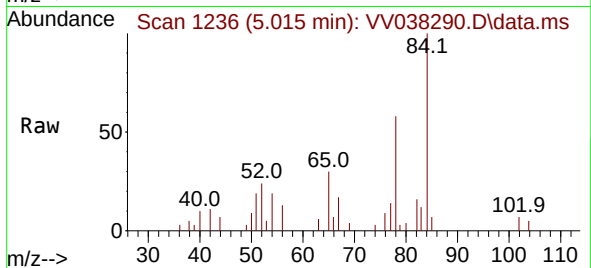




#33
Benzene
Concen: 0.094 ug/L
RT: 5.015 min Scan# 11
Delta R.T. 0.013 min
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ClientSampleId :

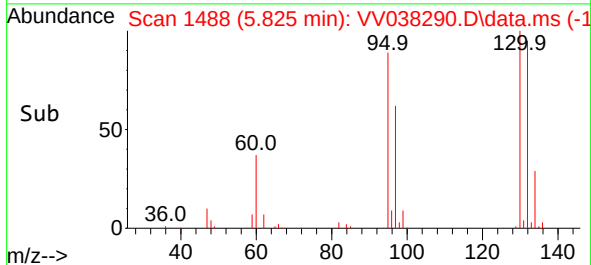
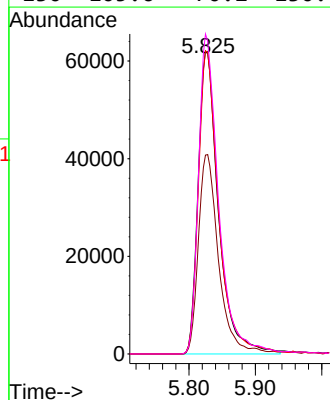
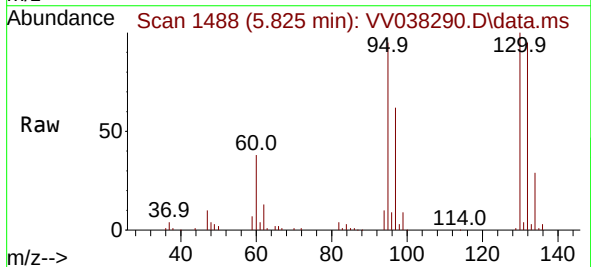
Tgt Ion: 78 Resp: 7011

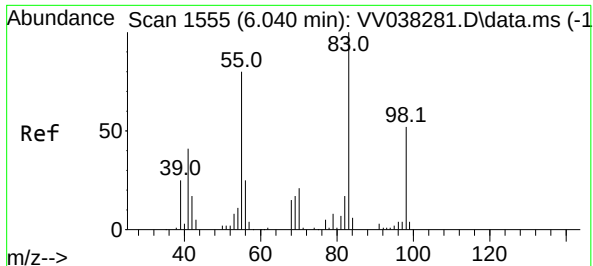


#34
Trichloroethene
Concen: 6.492 ug/L
RT: 5.825 min Scan# 1488
Delta R.T. -0.003 min
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Acq: 23 Nov 2024 00:20

Tgt Ion: 95 Resp: 132585

Ion	Ratio	Lower	Upper
95	100		
97	65.6	44.8	83.2
132	100.1	68.3	126.8
130	105.6	70.2	130.4

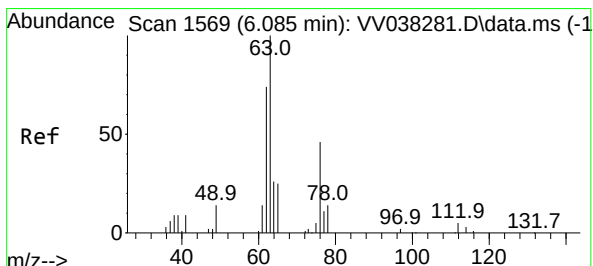
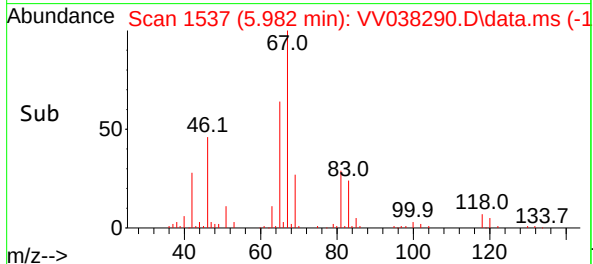
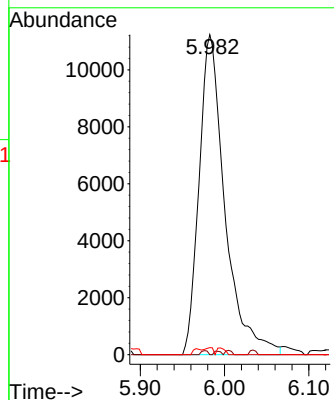
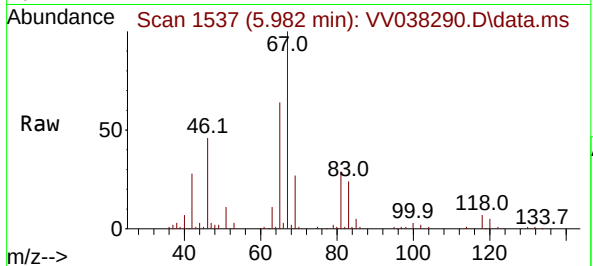




#35
Methylcyclohexane
Concen: 0.828 ug/L
RT: 5.982 min Scan# 1537
Delta R.T. -0.058 min
Lab File: VV038290.D
Acq: 23 Nov 2024 00:20

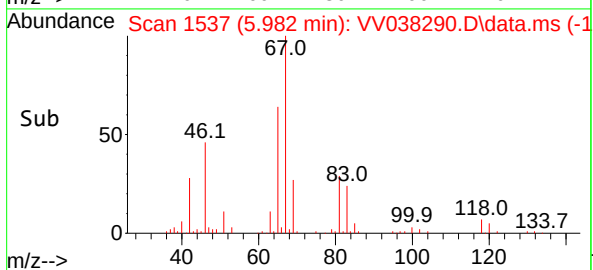
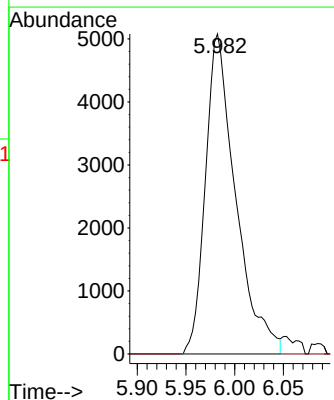
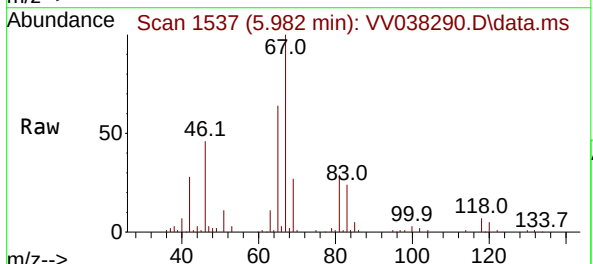
Instrument :
MSVOA_V
ClientSampleId :

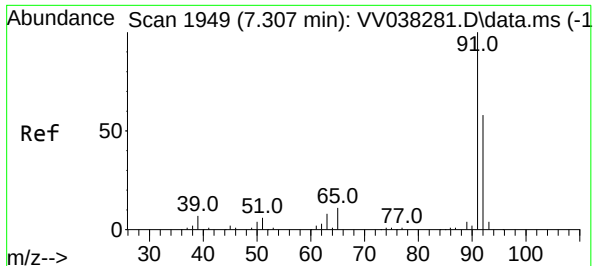
Tgt Ion: 83 Resp: 23918
Ion Ratio Lower Upper
83 100
55 0.3 59.7 89.5#
98 0.7 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.584 ug/L
RT: 5.982 min Scan# 1537
Delta R.T. -0.103 min
Lab File: VV038290.D
Acq: 23 Nov 2024 00:20

Tgt Ion: 63 Resp: 10959
Ion Ratio Lower Upper
63 100
112 0.6 3.9 5.9#

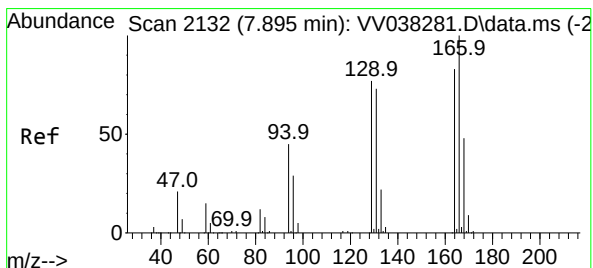
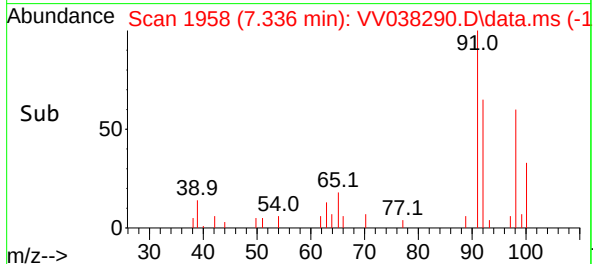
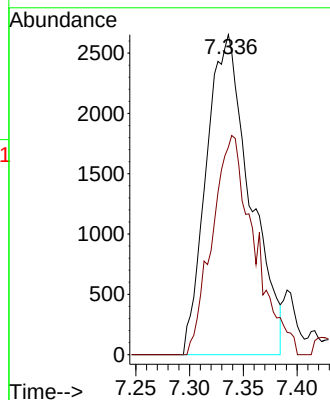
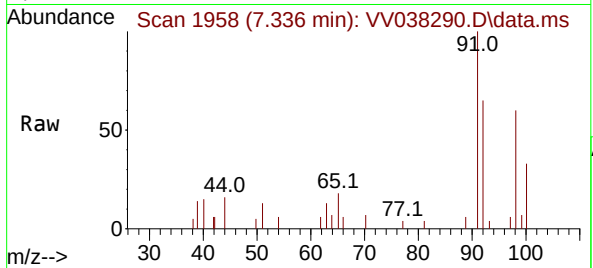




#42
Toluene
Concen: 0.094 ug/L
RT: 7.336 min Scan# 1949
Delta R.T. 0.029 min
Lab File: VV038290.D
Acq: 23 Nov 2024 00:20

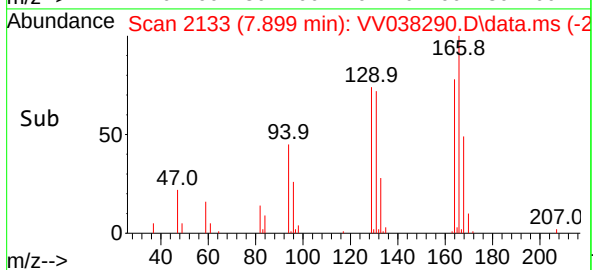
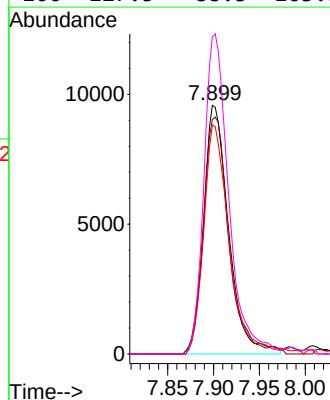
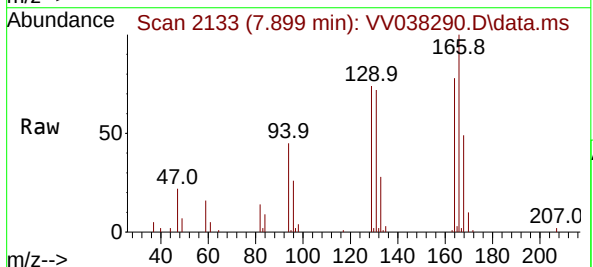
Instrument :
MSVOA_V
ClientSampleId :

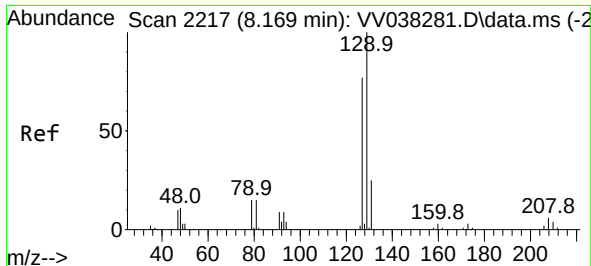
Tgt Ion: 91 Resp: 7493
Ion Ratio Lower Upper
91 100
92 64.9 40.8 75.8



#47
Tetrachloroethene
Concen: 1.107 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV038290.D
Acq: 23 Nov 2024 00:20

Tgt Ion: 164 Resp: 18166
Ion Ratio Lower Upper
164 100
129 94.3 68.5 127.1
131 92.2 64.8 120.4
166 127.5 88.3 163.9





#49

Dibromochloromethane

Concen: 0.977 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.267 min

Lab File: VV038290.D

Acq: 23 Nov 2024 00:20

Instrument :

MSVOA_V

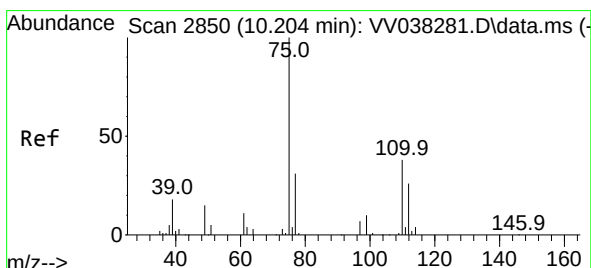
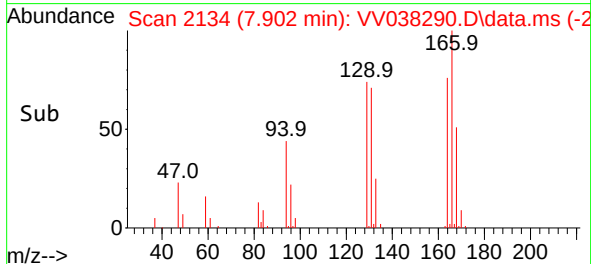
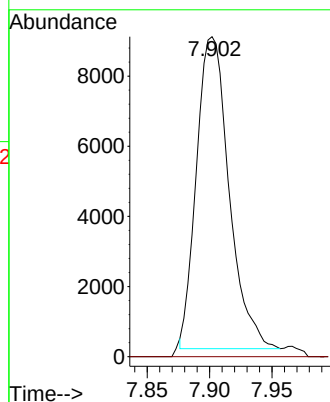
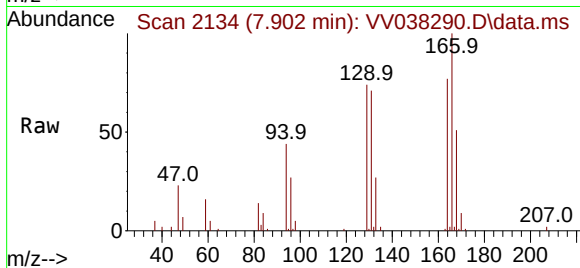
ClientSampleId :

Tgt Ion:129 Resp: 16214

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#61

1,2,3-Trichloropropane

Concen: 1.347 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.974 min

Lab File: VV038290.D

Acq: 23 Nov 2024 00:20

Tgt Ion: 75 Resp: 13034

Ion Ratio Lower Upper

75 100

77 33.2 26.4 39.6

110 1.7 32.3 48.5#

