

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112224\
 Data File : VV038291.D
 Acq On : 23 Nov 2024 00:44
 Operator : SY/MD
 Sample : P4930-07
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 23 02:09:05 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	254551	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	266676	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	114648	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	61052	3.129	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	62.600%	
7) Chloroethane-d5	1.529	69	65234	4.133	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	82.600%	
11) 1,1-Dichloroethene-d2	2.056	65	29327	3.493	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	69.800%	
20) 2-Butanone-d5	3.783	46	176857	45.312	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	90.620%	
24) Chloroform-d	4.243	84	159393	4.209	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	84.200%	
26) 1,2-Dichloroethane-d4	4.937	65	78839	4.640	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	92.800%	
32) Benzene-d6	4.953	84	282326	4.096	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	82.000%	
36) 1,2-Dichloropropane-d6	5.982	67	96441	4.547	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	91.000%	
41) Toluene-d8	7.239	98	220054	3.450	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	69.000%#	
43) trans-1,3-Dichloroprop...	7.558	79	29240	3.708	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	74.200%	
46) 2-Hexanone-d5	8.021	63	136295	44.466	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	88.940%	
56) 1,1,2,2-Tetrachloroeth...	10.146	84	77984	4.331	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	86.600%	
66) 1,2-Dichlorobenzene-d4	11.554	152	91380	4.678	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	93.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	22690	0.942	ug/L	99
3) Chloromethane	1.111	50	24338	1.174	ug/L #	73
5) Vinyl chloride	1.281	62	10955	0.466	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	6094	0.319	ug/L #	63
12) 1,1-Dichloroethene	2.066	96	1057497	58.164	ug/L #	66
15) Methyl Acetate	2.249	43	7721	1.101	ug/L #	47
16) Methylene chloride	2.442	84	5681	0.274	ug/L	90
17) Methyl tert-butyl Ether	2.699	73	40123	0.976	ug/L	99
18) trans-1,2-Dichloroethene	2.693	96	4841	0.253	ug/L	97
19) 1,1-Dichloroethane	3.101	63	500582	14.398	ug/L	100
22) cis-1,2-Dichloroethene	3.805	96	324499	16.385	ug/L	99
25) Chloroform	4.268	83	8706	0.234	ug/L	94
27) 1,2-Dichloroethane	5.075	62	3278	0.162	ug/L #	72
29) 1,1,1-Trichloroethane	4.500	97	398810	12.469	ug/L	99
31) Carbon tetrachloride	4.500	117	51514	1.826	ug/L	98
34) Trichloroethene	5.821	95	432022	21.157	ug/L	98
35) Methylcyclohexane	5.982	83	23698	0.820	ug/L #	20
37) 1,2-Dichloropropane	5.979	63	10794	0.575	ug/L #	87
42) Toluene	7.326	91	7361	0.093	ug/L	95

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QLast Update : Sat Nov 23 02:01:29 2024
Response via : Initial Calibration

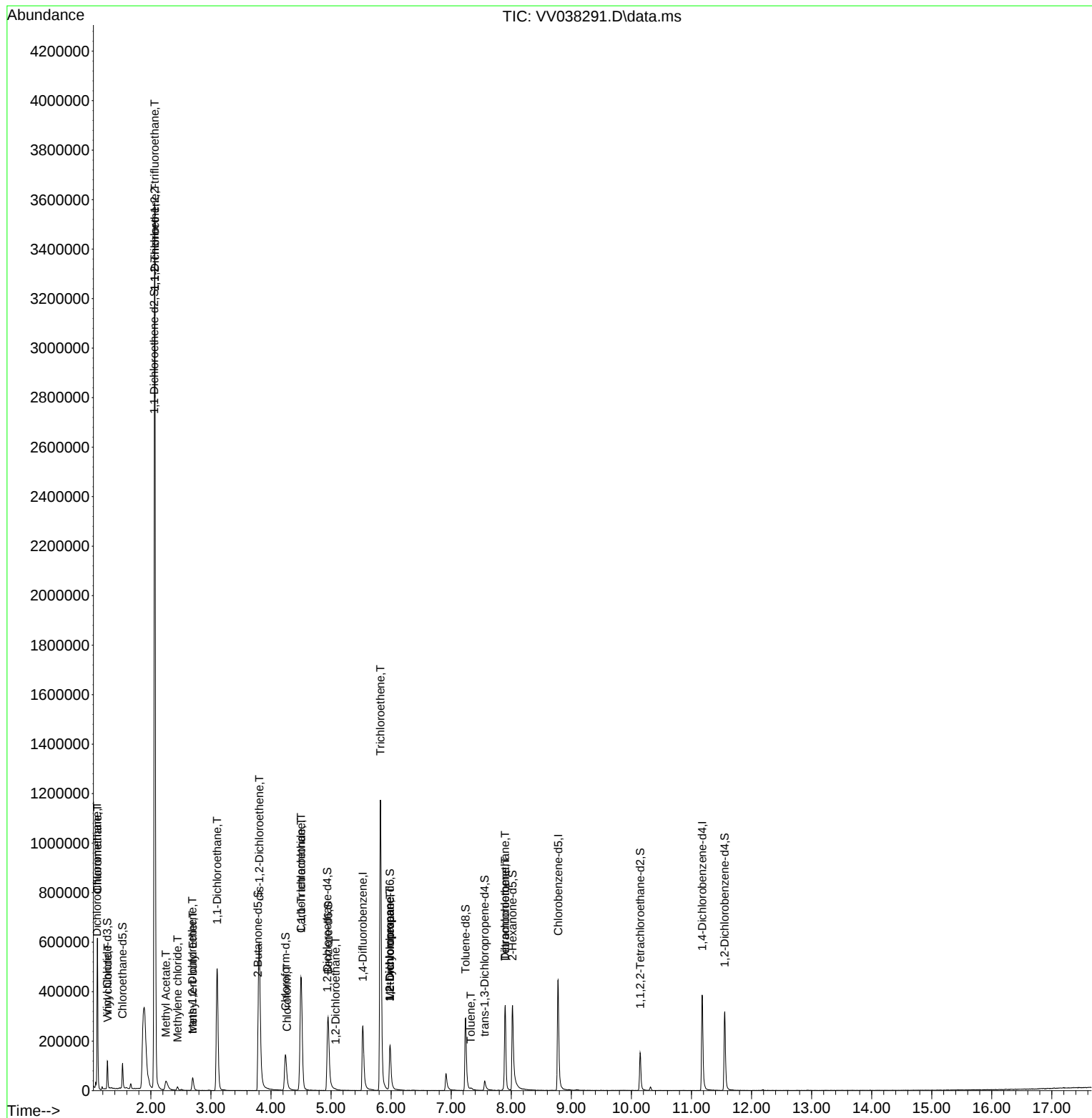
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.898	164	82763	5.044	ug/L	99
49) Dibromochloromethane	7.898	129	74124	4.468	ug/L #	11

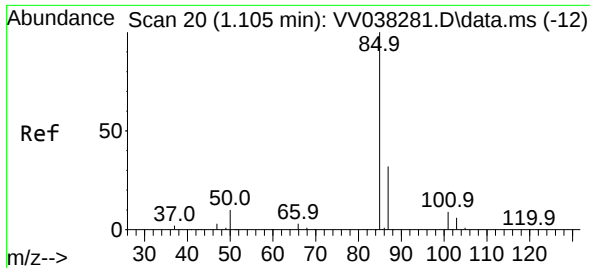
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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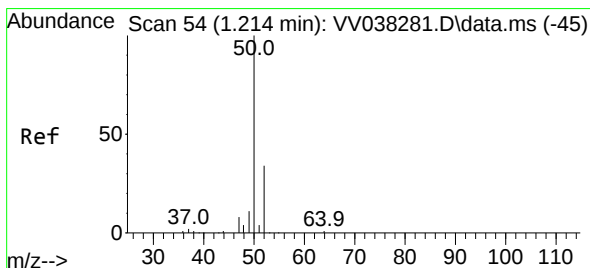
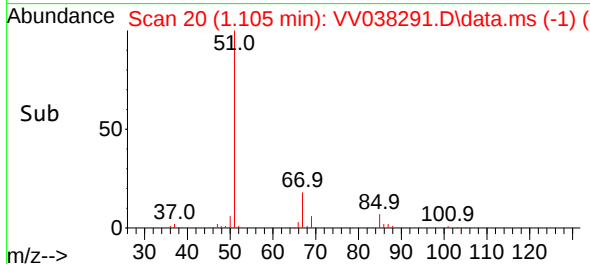
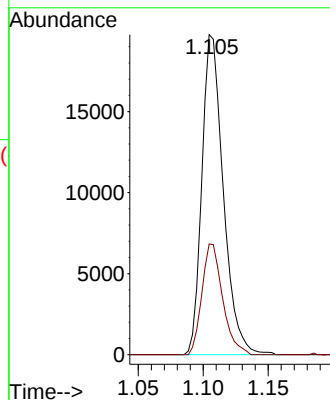
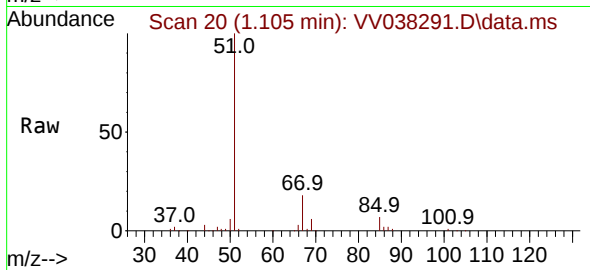




#2
 Dichlorodifluoromethane
 Concen: 0.942 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV038291.D
 Acq: 23 Nov 2024 00:44

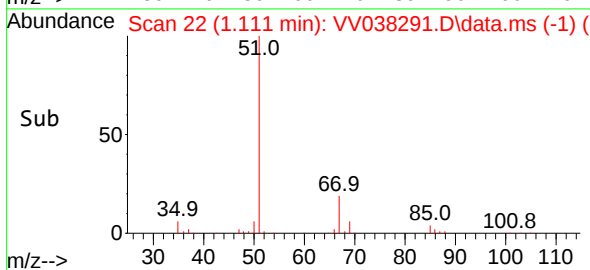
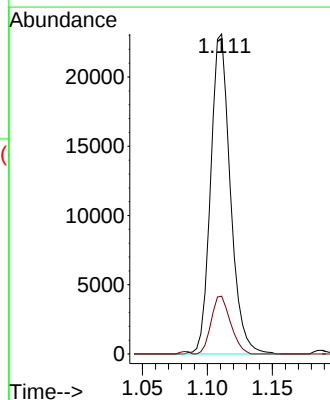
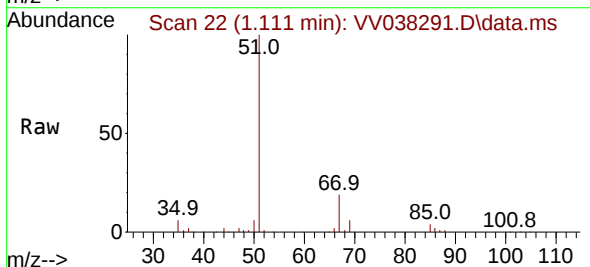
Instrument :
 MSVOA_V
 ClientSampleId :

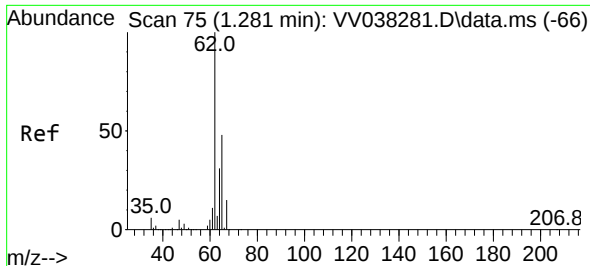
Tgt Ion: 85 Resp: 22690
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.5 39.7



#3
 Chloromethane
 Concen: 1.174 ug/L
 RT: 1.111 min Scan# 22
 Delta R.T. -0.103 min
 Lab File: VV038291.D
 Acq: 23 Nov 2024 00:44

Tgt Ion: 50 Resp: 24338
 Ion Ratio Lower Upper
 50 100
 52 18.0 23.5 43.7#

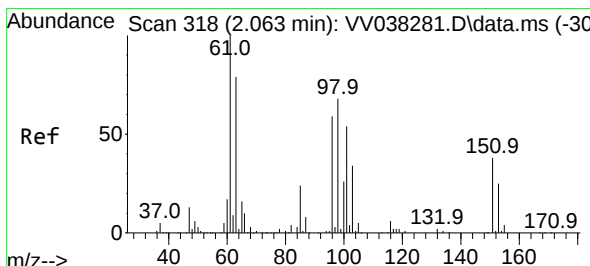
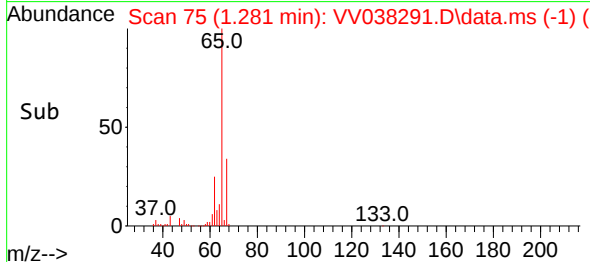
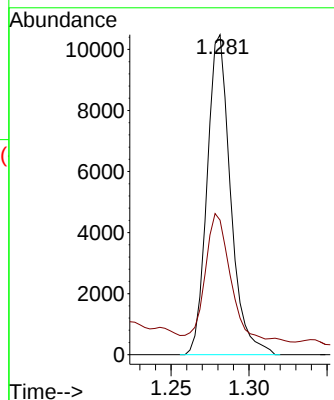
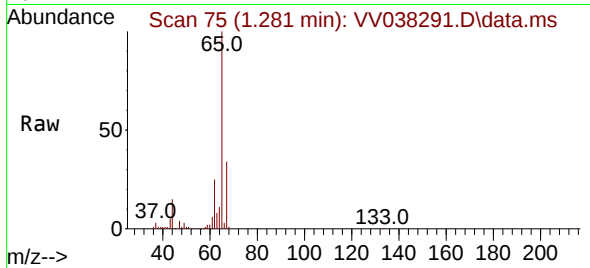




#5
 Vinyl chloride
 Concen: 0.466 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV038291.D
 Acq: 23 Nov 2024 00:44

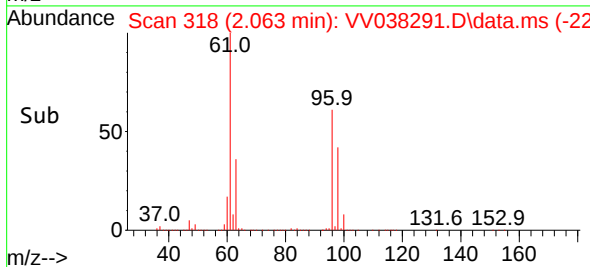
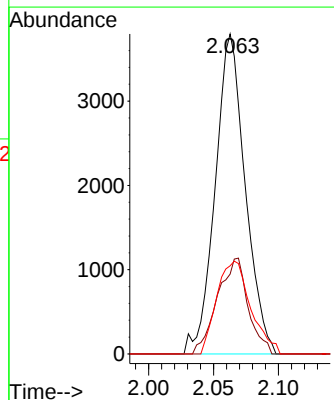
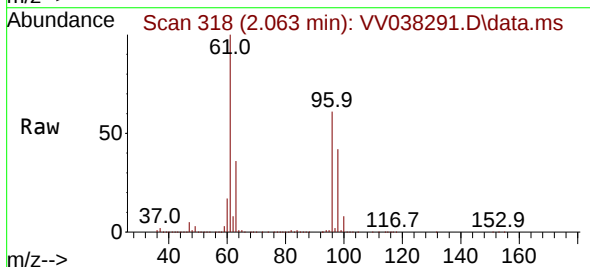
Instrument :
 MSVOA_V
 ClientSampleId :

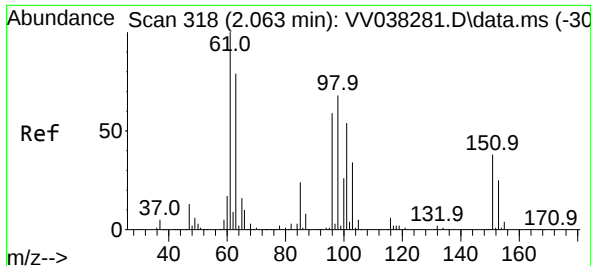
Tgt Ion: 62 Resp: 10955
 Ion Ratio Lower Upper
 62 100
 64 42.0 24.4 45.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.319 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV038291.D
 Acq: 23 Nov 2024 00:44

Tgt Ion: 101 Resp: 6094
 Ion Ratio Lower Upper
 101 100
 85 30.6 33.4 50.0#
 151 32.9 58.8 88.2#





#12

1,1-Dichloroethene

Concen: 58.164 ug/L

RT: 2.066 min Scan# 318

Delta R.T. 0.003 min

Lab File: VV038291.D

Acq: 23 Nov 2024 00:44

Instrument :

MSVOA_V

ClientSampleId :

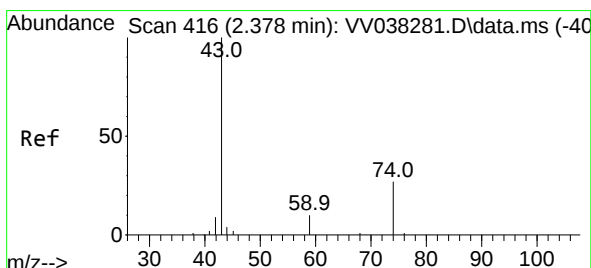
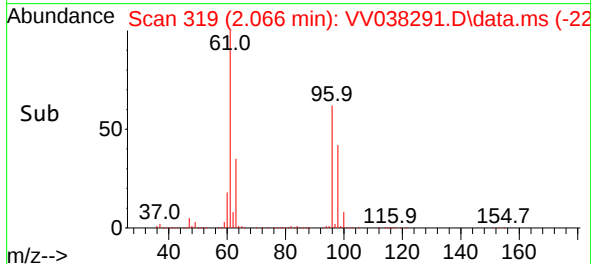
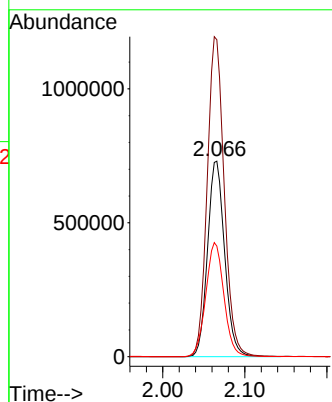
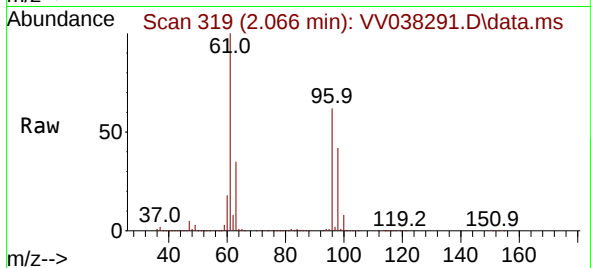
Tgt Ion: 96 Resp: 1057497

Ion Ratio Lower Upper

96 100

61 162.1 115.7 214.9

63 56.5 101.1 187.7#



#15

Methyl Acetate

Concen: 1.101 ug/L

RT: 2.249 min Scan# 376

Delta R.T. -0.129 min

Lab File: VV038291.D

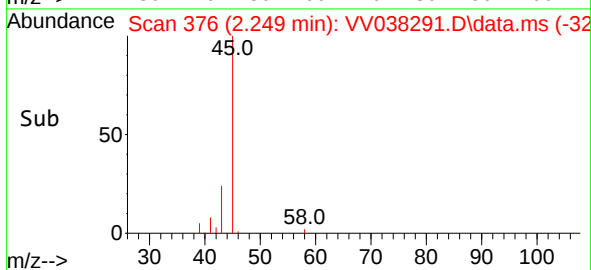
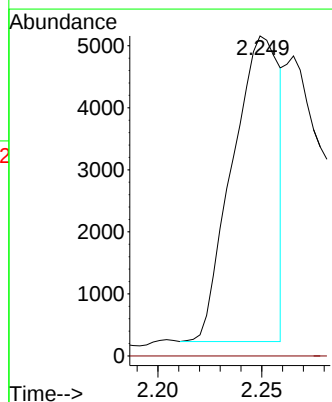
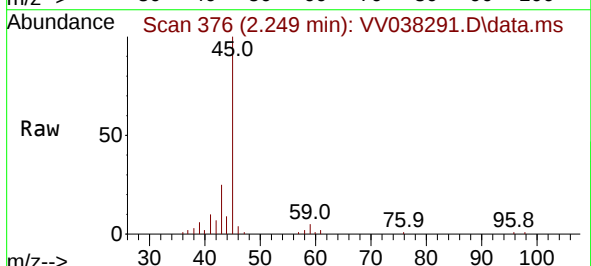
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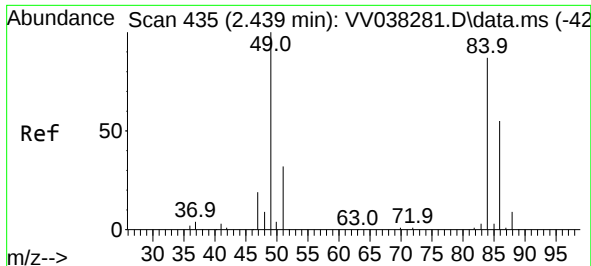
Tgt Ion: 43 Resp: 7721

Ion Ratio Lower Upper

43 100

74 0.0 22.4 33.6#

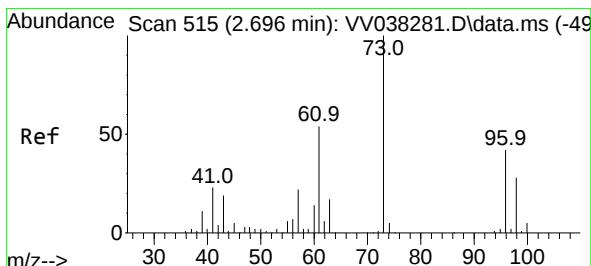
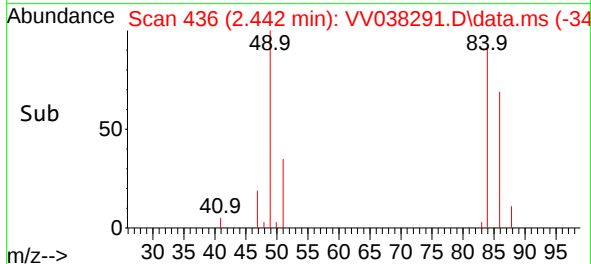
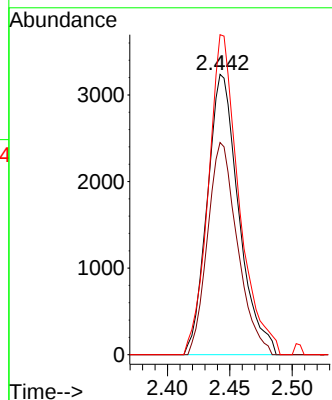
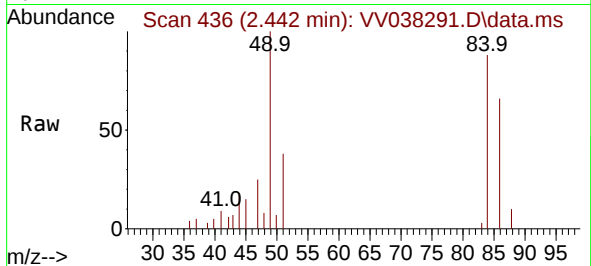




#16
Methylene chloride
Concen: 0.274 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV038291.D
Acq: 23 Nov 2024 00:44

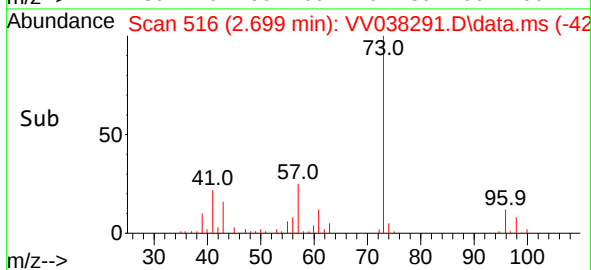
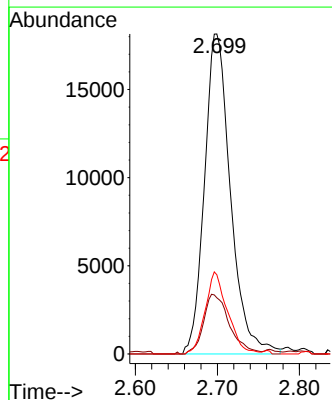
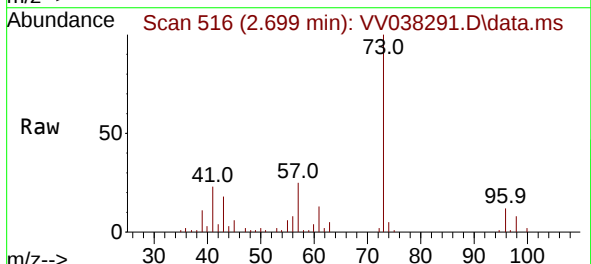
Instrument :
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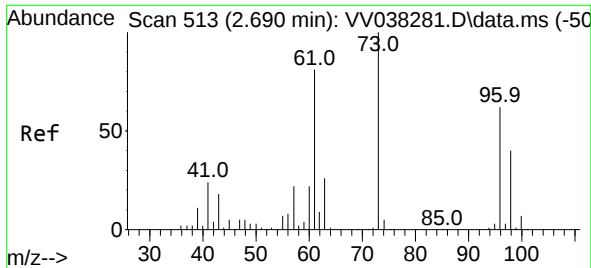
Tgt Ion: 84 Resp: 5681
Ion Ratio Lower Upper
84 100
86 75.7 44.2 82.2
49 114.2 74.9 139.1



#17
Methyl tert-butyl Ether
Concen: 0.976 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV038291.D
Acq: 23 Nov 2024 00:44

Tgt Ion: 73 Resp: 40123
Ion Ratio Lower Upper
73 100
43 18.5 14.2 21.2
57 22.0 17.6 26.4

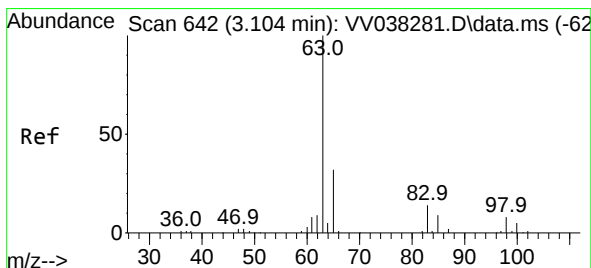
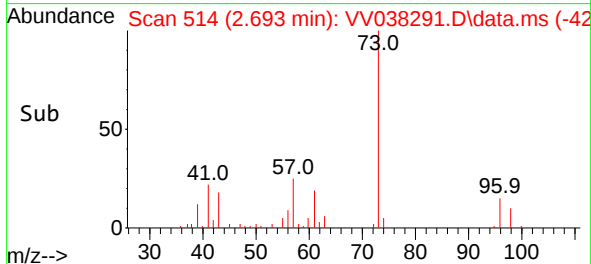
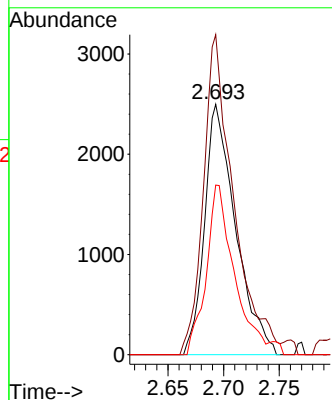
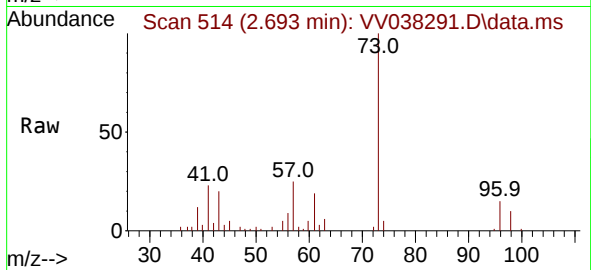




#18
trans-1,2-Dichloroethene
Concen: 0.253 ug/L
RT: 2.693 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV038291.D
Acq: 23 Nov 2024 00:44

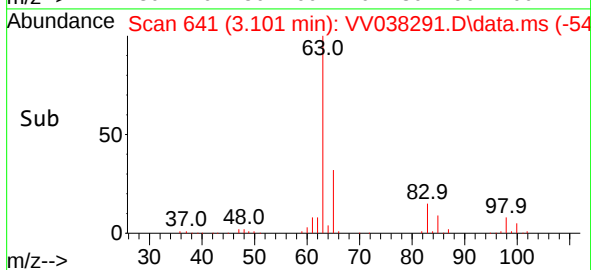
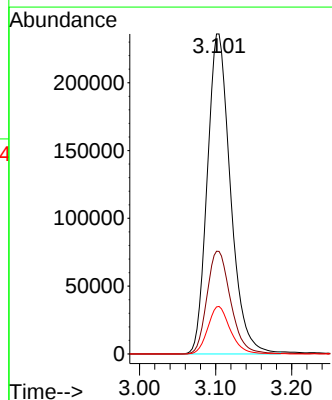
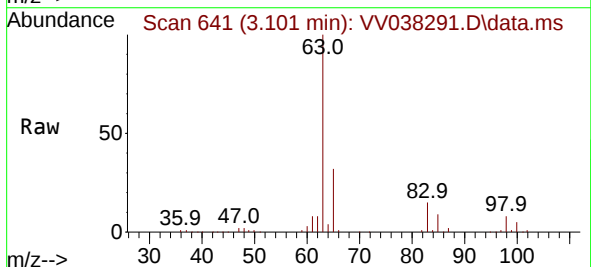
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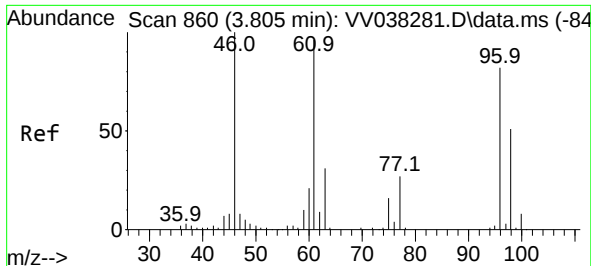
Tgt Ion: 96 Resp: 4841
Ion Ratio Lower Upper
96 100
61 127.8 88.5 164.4
98 67.8 43.9 81.5



#19
1,1-Dichloroethane
Concen: 14.398 ug/L
RT: 3.101 min Scan# 641
Delta R.T. -0.003 min
Lab File: VV038291.D
Acq: 23 Nov 2024 00:44

Tgt Ion: 63 Resp: 500582
Ion Ratio Lower Upper
63 100
65 32.1 22.5 41.7
83 14.7 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 16.385 ug/L

RT: 3.805 min Scan# 860

Delta R.T. -0.000 min

Lab File: VV038291.D

Acq: 23 Nov 2024 00:44

Instrument :

MSVOA_V

ClientSampleId :

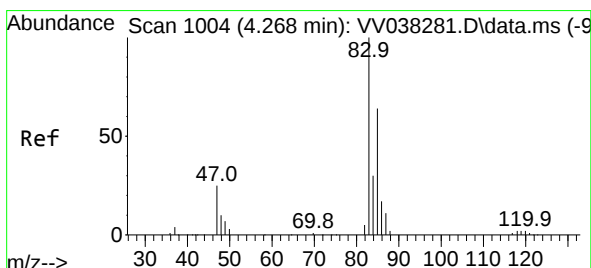
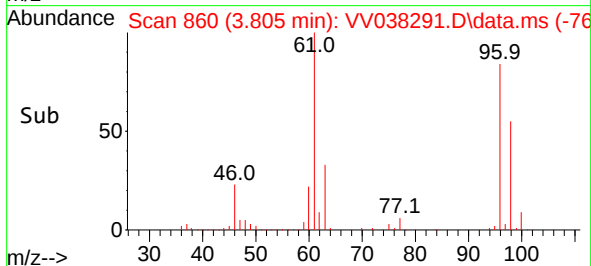
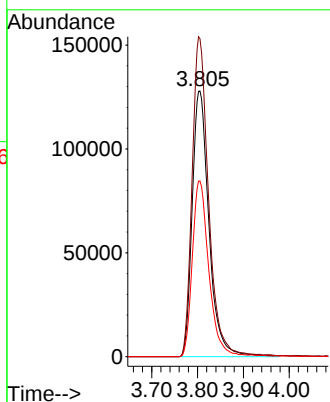
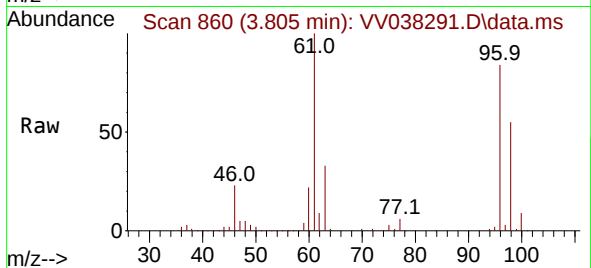
Tgt Ion: 96 Resp: 324499

Ion Ratio Lower Upper

96 100

61 119.6 82.7 153.5

98 66.1 46.3 85.9



#25

Chloroform

Concen: 0.234 ug/L

RT: 4.268 min Scan# 1004

Delta R.T. -0.000 min

Lab File: VV038291.D

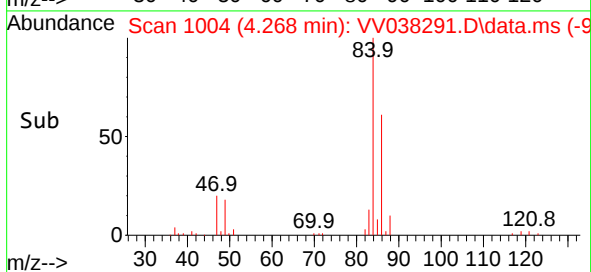
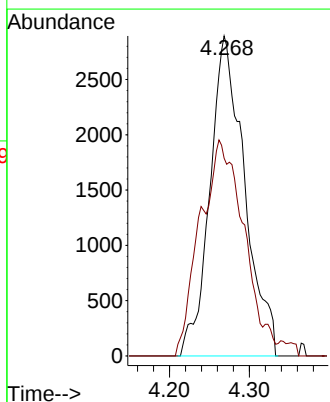
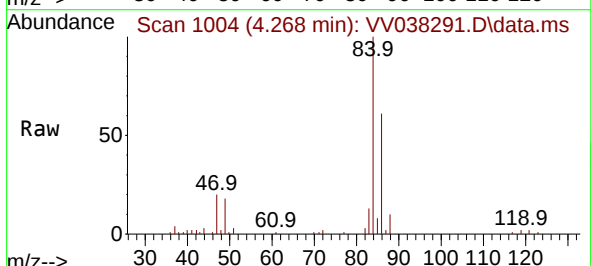
Acq: 23 Nov 2024 00:44

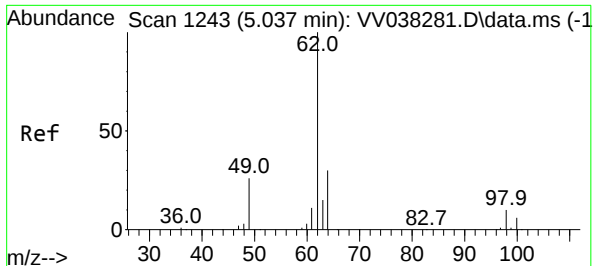
Tgt Ion: 83 Resp: 8706

Ion Ratio Lower Upper

83 100

85 61.8 46.5 86.3





#27

1,2-Dichloroethane

Concen: 0.162 ug/L

RT: 5.075 min Scan# 1

Delta R.T. 0.039 min

Lab File: VV038291.D

Acq: 23 Nov 2024 00:44

Instrument :

MSVOA_V

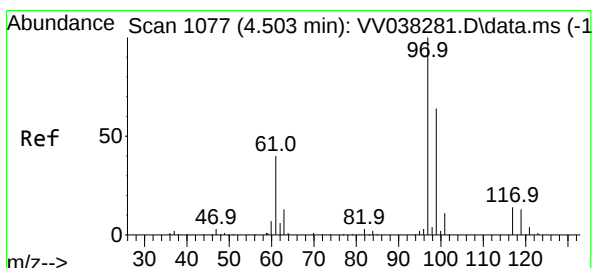
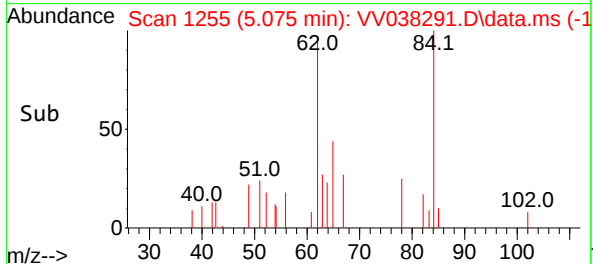
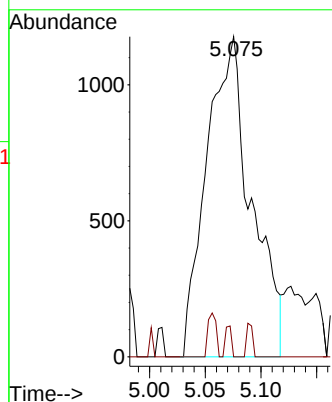
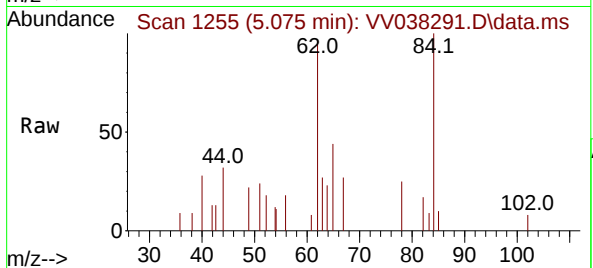
ClientSampleId :

Tgt Ion: 62 Resp: 3278

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#29

1,1,1-Trichloroethane

Concen: 12.469 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. -0.003 min

Lab File: VV038291.D

Acq: 23 Nov 2024 00:44

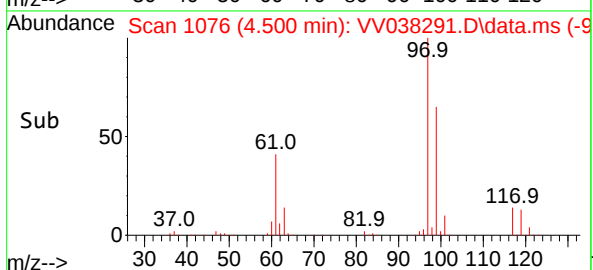
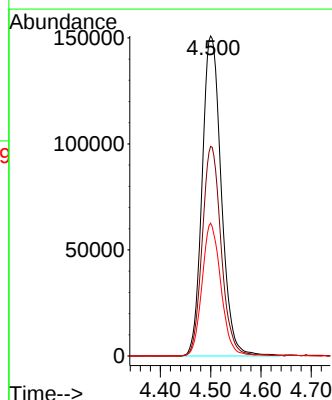
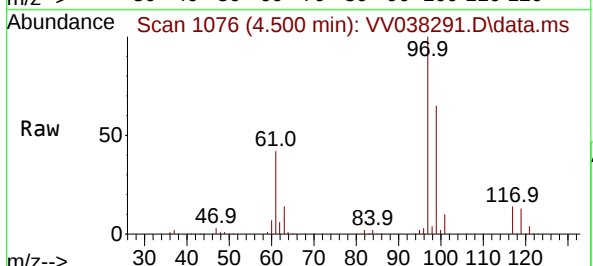
Tgt Ion: 97 Resp: 398810

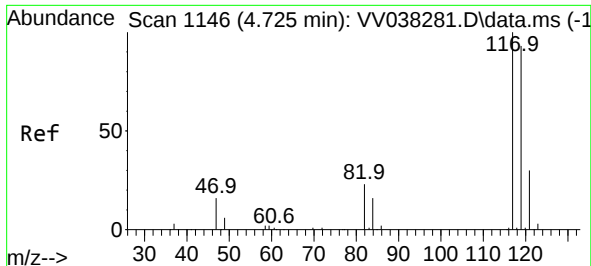
Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.8

61 40.8 32.2 48.2

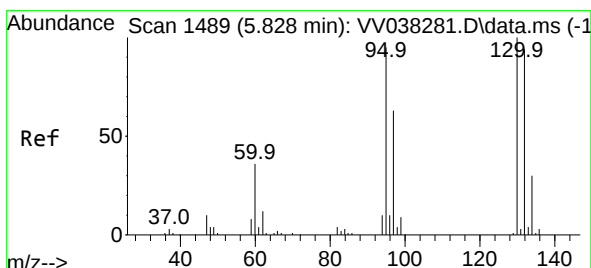
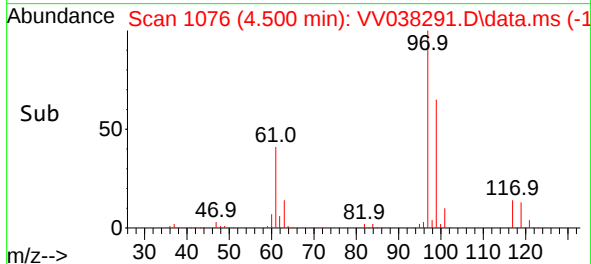
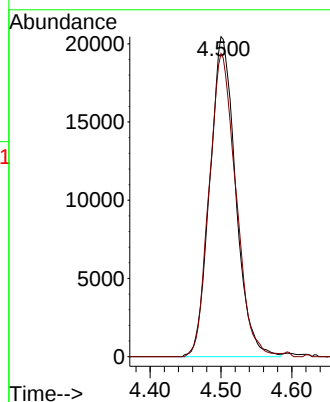
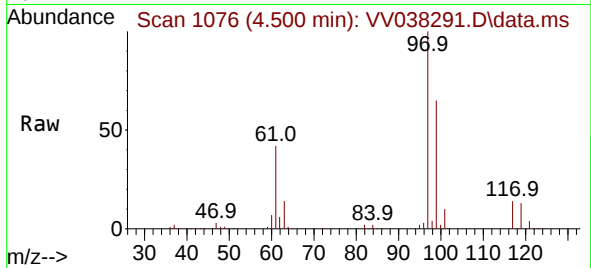




#31
Carbon tetrachloride
Concen: 1.826 ug/L
RT: 4.500 min Scan# 1146
Delta R.T. -0.225 min
Lab File: VV038291.D
Acq: 23 Nov 2024 00:44

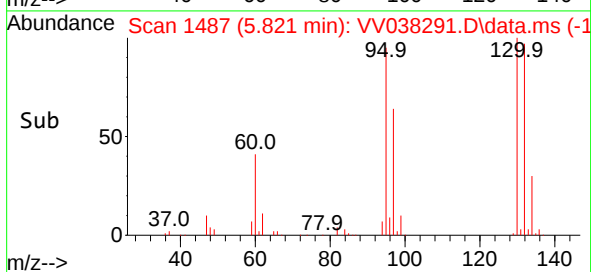
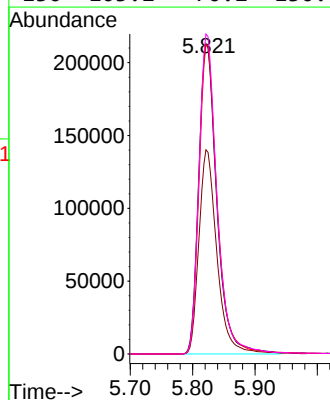
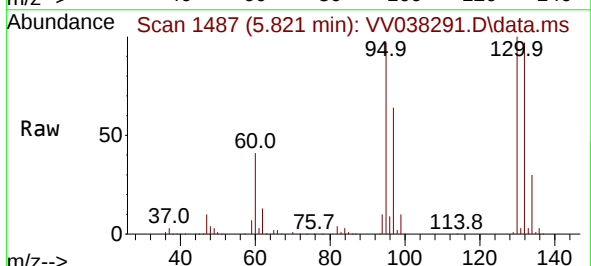
Instrument :
MSVOA_V
ClientSampleId :

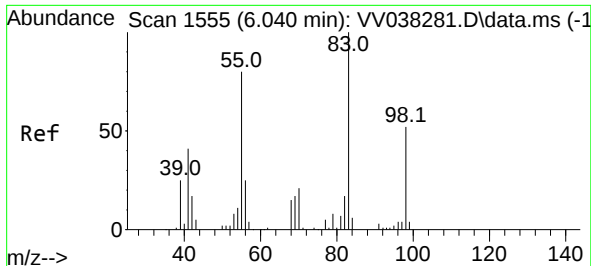
Tgt Ion:117 Resp: 51514
Ion Ratio Lower Upper
117 100
119 98.4 77.4 116.2



#34
Trichloroethene
Concen: 21.157 ug/L
RT: 5.821 min Scan# 1487
Delta R.T. -0.006 min
Lab File: VV038291.D
Acq: 23 Nov 2024 00:44

Tgt Ion: 95 Resp: 432022
Ion Ratio Lower Upper
95 100
97 65.8 44.8 83.2
132 99.7 68.3 126.8
130 103.2 70.2 130.4

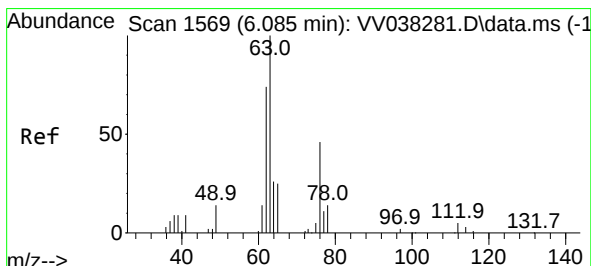
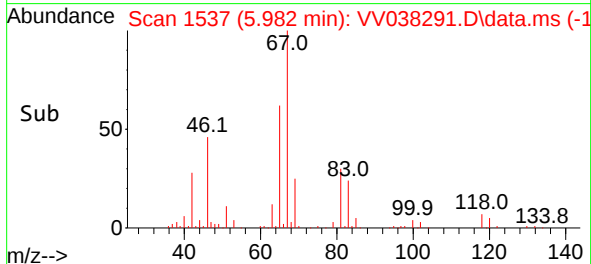
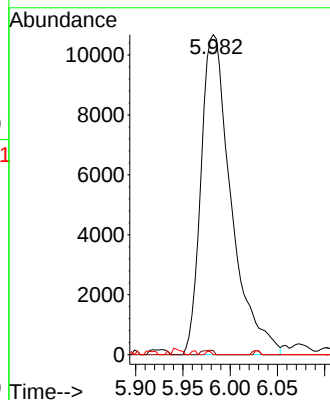
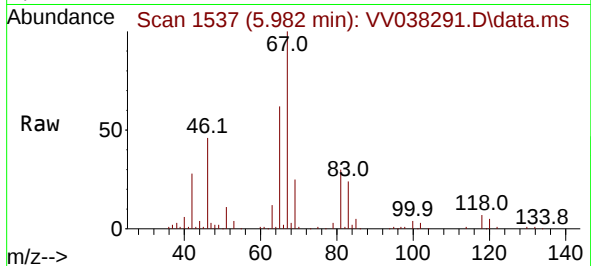




#35
Methylcyclohexane
Concen: 0.820 ug/L
RT: 5.982 min Scan# 1537
Delta R.T. -0.058 min
Lab File: VV038291.D
Acq: 23 Nov 2024 00:44

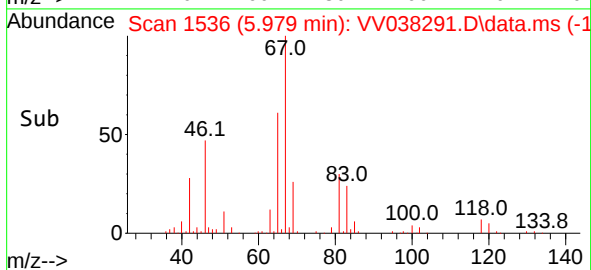
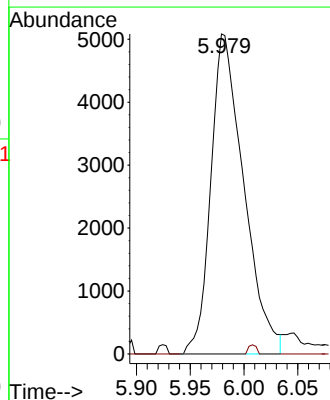
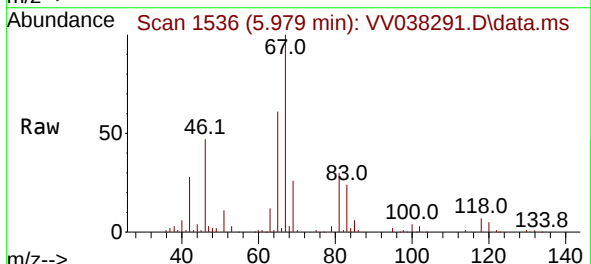
Instrument :
MSVOA_V
ClientSampleId :

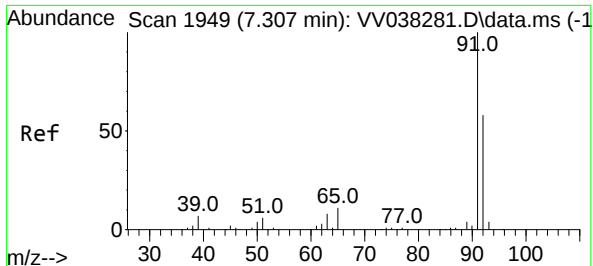
Tgt Ion: 83 Resp: 23698
Ion Ratio Lower Upper
83 100
55 0.5 59.7 89.5#
98 2.1 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.575 ug/L
RT: 5.979 min Scan# 1536
Delta R.T. -0.106 min
Lab File: VV038291.D
Acq: 23 Nov 2024 00:44

Tgt Ion: 63 Resp: 10794
Ion Ratio Lower Upper
63 100
112 0.7 3.9 5.9#





#42

Toluene

Concen: 0.093 ug/L

RT: 7.326 min Scan# 1949

Delta R.T. 0.019 min

Lab File: VV038291.D

Acq: 23 Nov 2024 00:44

Instrument :

MSVOA_V

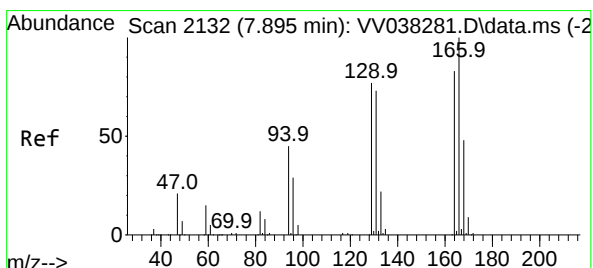
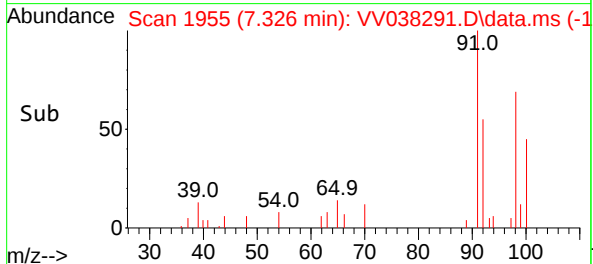
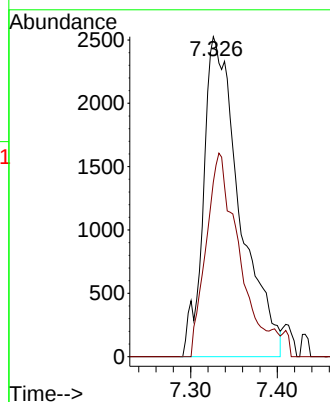
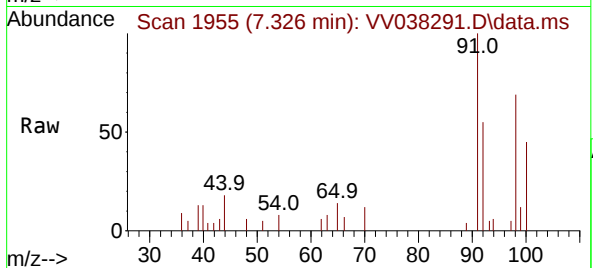
ClientSampleId :

Tgt Ion: 91 Resp: 7361

Ion Ratio Lower Upper

91 100

92 54.6 40.8 75.8



#47

Tetrachloroethene

Concen: 5.044 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. 0.003 min

Lab File: VV038291.D

Acq: 23 Nov 2024 00:44

Tgt Ion: 164 Resp: 82763

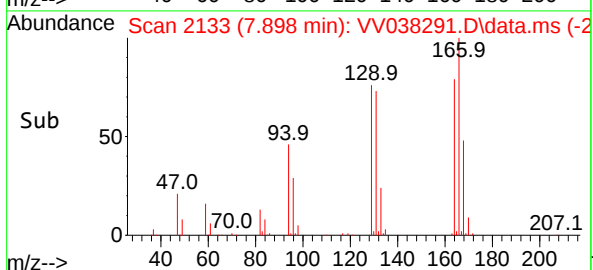
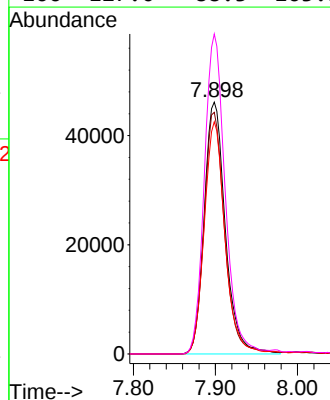
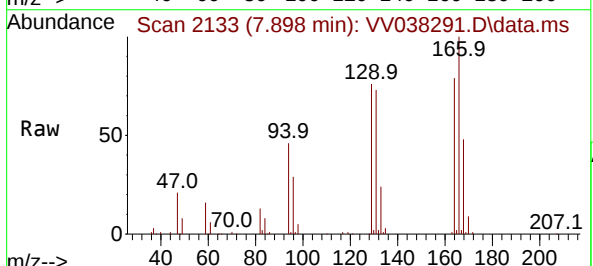
Ion Ratio Lower Upper

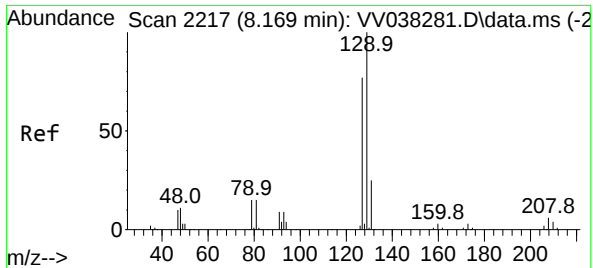
164 100

129 95.9 68.5 127.1

131 92.2 64.8 120.4

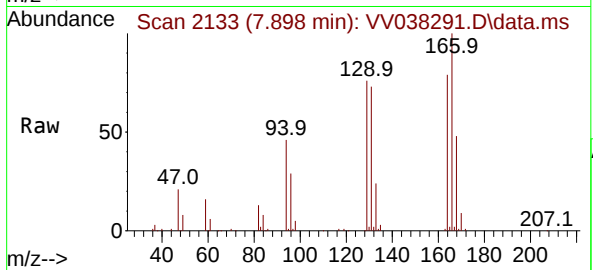
166 127.0 88.3 163.9





#49
Dibromochloromethane
Concen: 4.468 ug/L
RT: 7.898 min Scan# 21
Delta R.T. -0.270 min
Lab File: VV038291.D
Acq: 23 Nov 2024 00:44

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:129 Resp: 74124
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#

