

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112224\
 Data File : VV038287.D
 Acq On : 22 Nov 2024 23:07
 Operator : SY/MD
 Sample : P4930-03
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 23 02:06:54 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	237990	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	263979	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	109141	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	65737	3.604	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.000%
7) Chloroethane-d5	1.529	69	69722	4.725	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.600%
11) 1,1-Dichloroethene-d2	2.056	65	29360	3.740	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.800%
20) 2-Butanone-d5	3.786	46	223527	61.255	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.500%
24) Chloroform-d	4.239	84	172701	4.878	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	4.937	65	82597	5.200	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	4.950	84	294054	4.310	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	5.982	67	105552	5.028	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.600%
41) Toluene-d8	7.236	98	222774	3.529	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.600%
43) trans-1,3-Dichloroprop...	7.558	79	29741	3.810	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.200%
46) 2-Hexanone-d5	8.021	63	168303	55.470	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.940%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	88157	4.946	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	11.554	152	96623	5.196	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	4612	0.205	ug/L	97
9) Trichlorofluoromethane	1.709	101	7643	0.244	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	17569	0.985	ug/L	91
12) 1,1-Dichloroethene	2.066	96	62722	3.690	ug/L	90
15) Methyl Acetate	2.265	43	24306	3.708	ug/L #	47
16) Methylene chloride	2.442	84	38965	2.010	ug/L	96
19) 1,1-Dichloroethane	3.108	63	18985	0.584	ug/L	98
22) cis-1,2-Dichloroethene	3.805	96	85056	4.594	ug/L	99
25) Chloroform	4.272	83	40763	1.172	ug/L	97
27) 1,2-Dichloroethane	5.050	62	2556	0.135	ug/L #	88
29) 1,1,1-Trichloroethane	4.506	97	39930	1.261	ug/L	97
31) Carbon tetrachloride	4.731	117	9946	0.356	ug/L	97
34) Trichloroethene	5.821	95	419499	20.753	ug/L	99
35) Methylcyclohexane	5.982	83	25711	0.899	ug/L #	19
37) 1,2-Dichloropropane	5.982	63	11155	0.601	ug/L #	87
42) Toluene	7.323	91	18967	0.242	ug/L	92
47) Tetrachloroethene	7.895	164	156708	9.648	ug/L	98
49) Dibromochloromethane	7.895	129	147303	8.970	ug/L #	11
51) Chlorobenzene	8.812	112	11782	0.218	ug/L	98

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

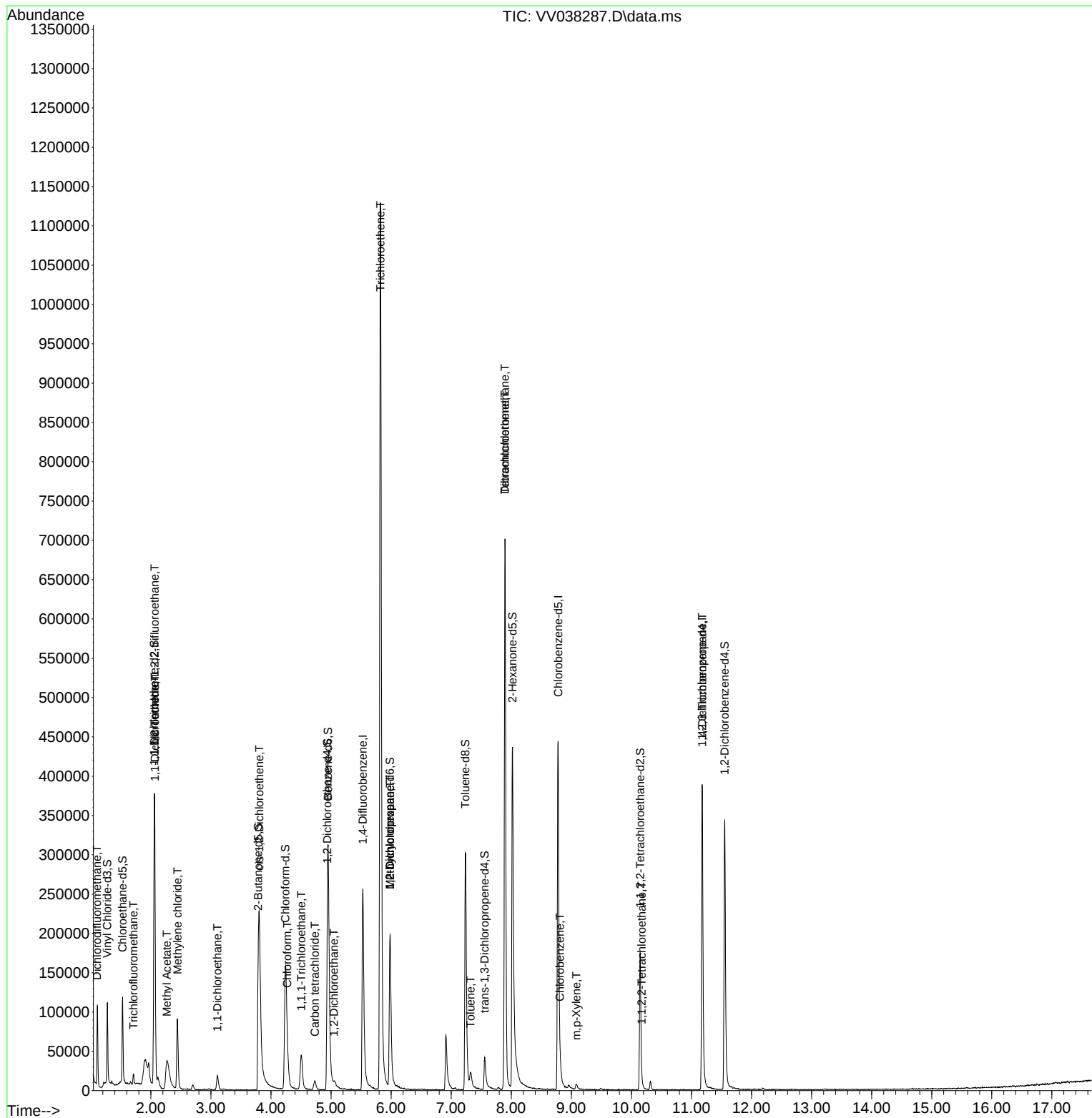
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.085	106	2432	0.077	ug/L	75
57) 1,1,2,2-Tetrachloroethane	10.172	83	2902	0.165	ug/L #	88
61) 1,2,3-Trichloropropane	11.178	75	12910	1.382	ug/L #	66

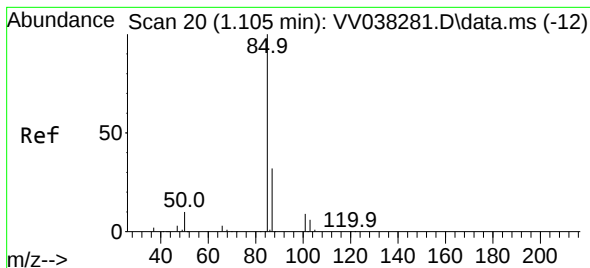
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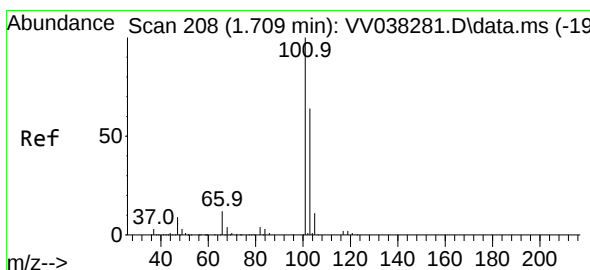
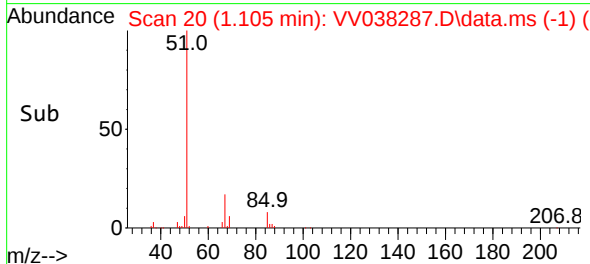
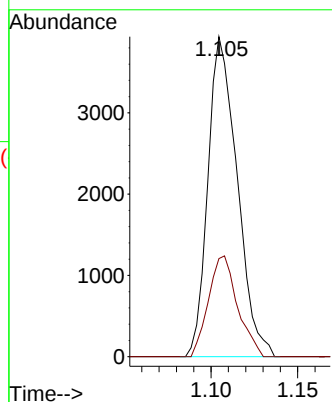
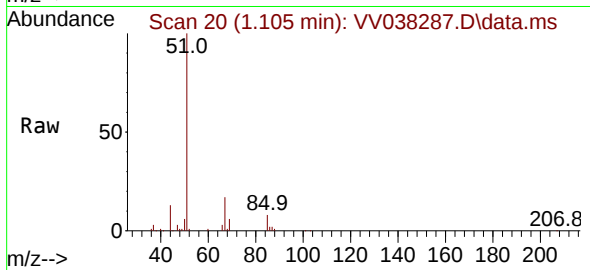




#2
Dichlorodifluoromethane
Concen: 0.205 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV038287.D
Acq: 22 Nov 2024 23:07

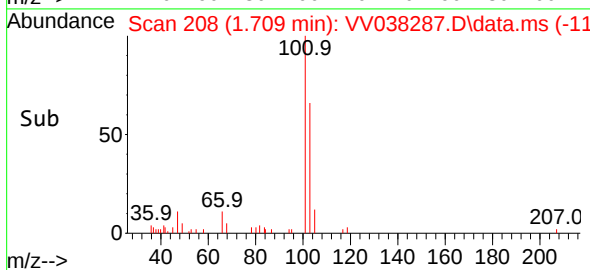
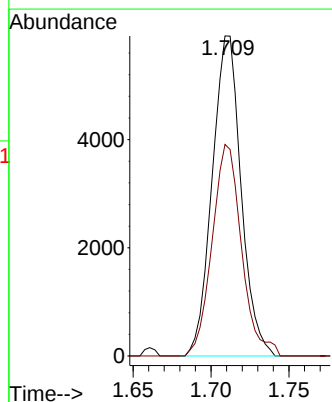
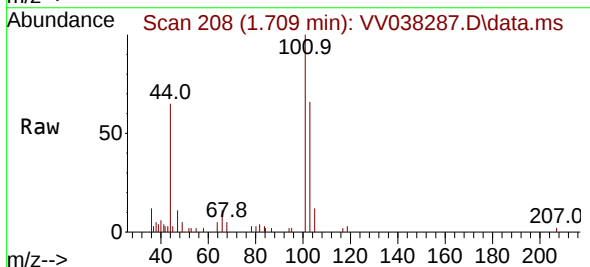
Instrument :
MSVOA_V
ClientSampleId :

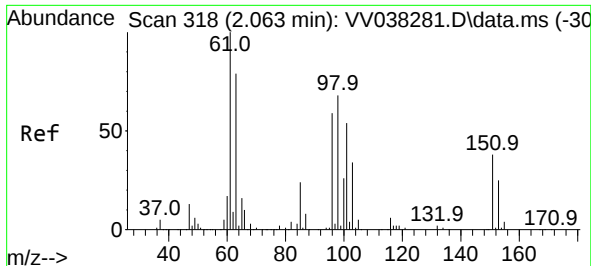
Tgt Ion: 85 Resp: 4612
Ion Ratio Lower Upper
85 100
87 31.3 26.5 39.7



#9
Trichlorofluoromethane
Concen: 0.244 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.000 min
Lab File: VV038287.D
Acq: 22 Nov 2024 23:07

Tgt Ion:101 Resp: 7643
Ion Ratio Lower Upper
101 100
103 67.3 51.5 77.3

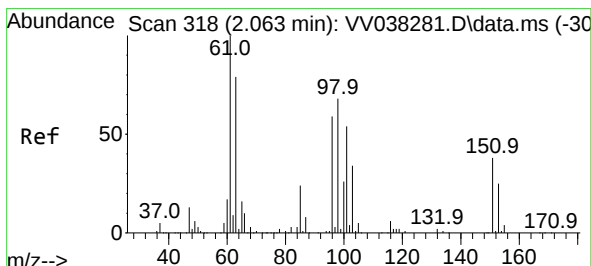
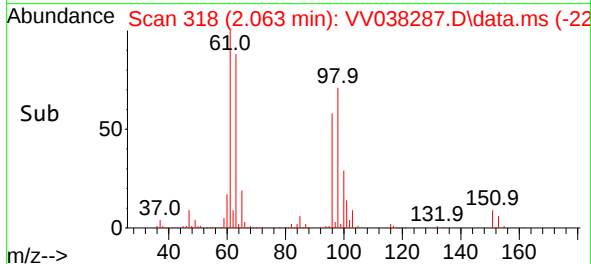
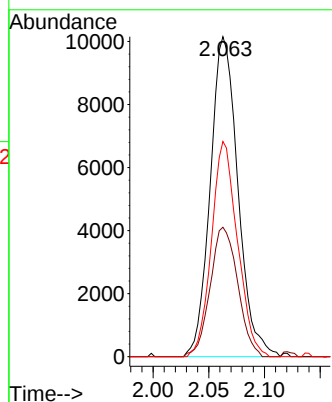
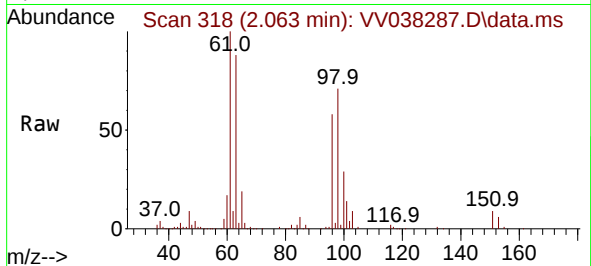




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.985 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV038287.D
 Acq: 22 Nov 2024 23:07

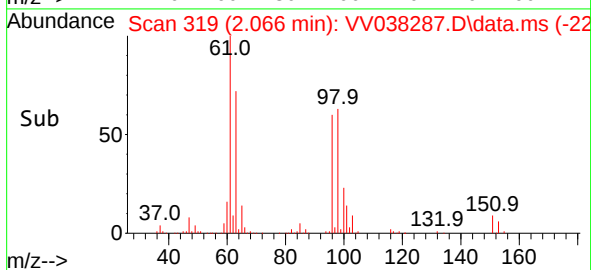
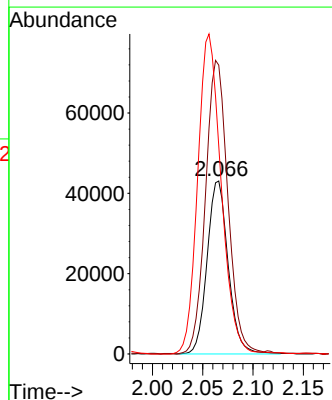
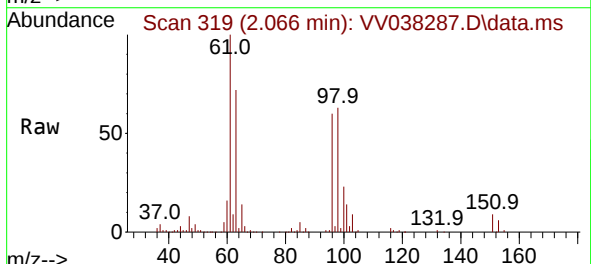
Instrument :
 MSVOA_V
 ClientSampleId :

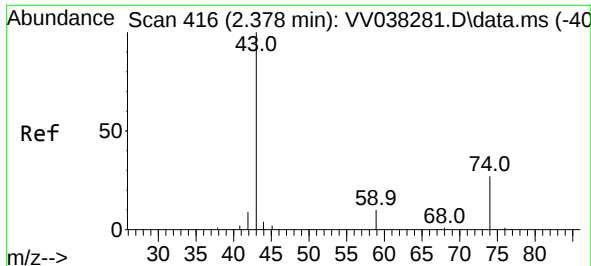
Tgt Ion:101 Resp: 17569
 Ion Ratio Lower Upper
 101 100
 85 40.2 33.4 50.0
 151 63.1 58.8 88.2



#12
 1,1-Dichloroethene
 Concen: 3.690 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.003 min
 Lab File: VV038287.D
 Acq: 22 Nov 2024 23:07

Tgt Ion: 96 Resp: 62722
 Ion Ratio Lower Upper
 96 100
 61 167.0 115.7 214.9
 63 120.2 101.1 187.7

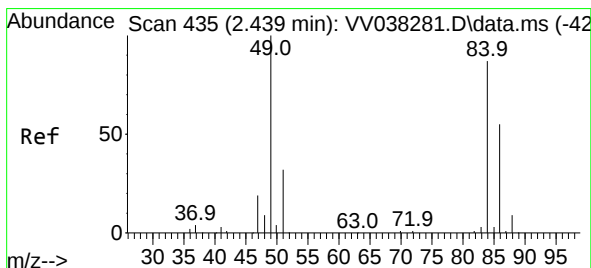
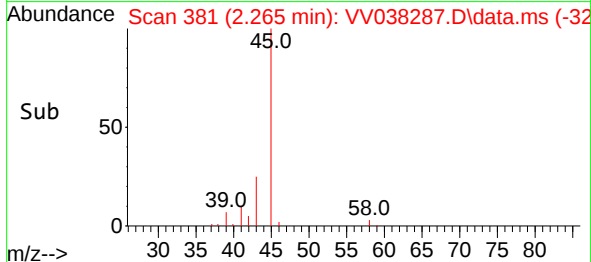
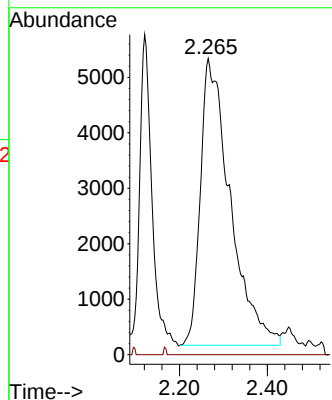
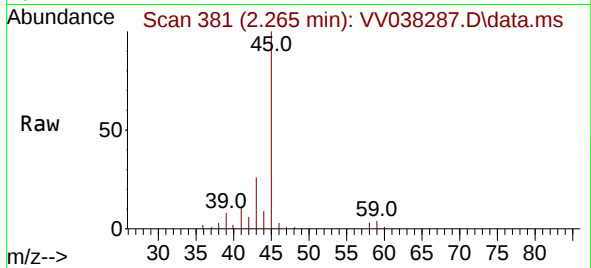




#15
Methyl Acetate
Concen: 3.708 ug/L
RT: 2.265 min Scan# 31
Delta R.T. -0.113 min
Lab File: VV038287.D
Acq: 22 Nov 2024 23:07

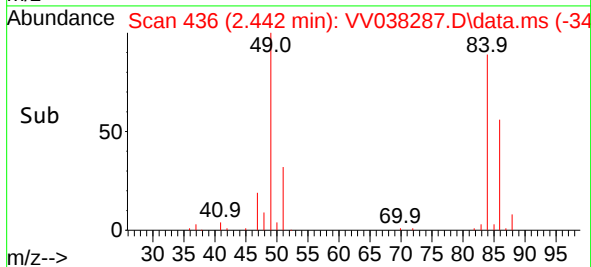
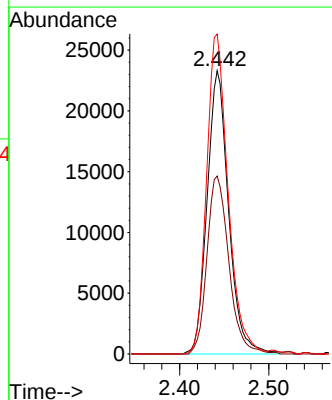
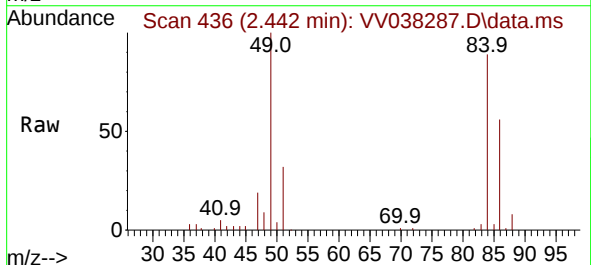
Instrument :
MSVOA_V
ClientSampleId :

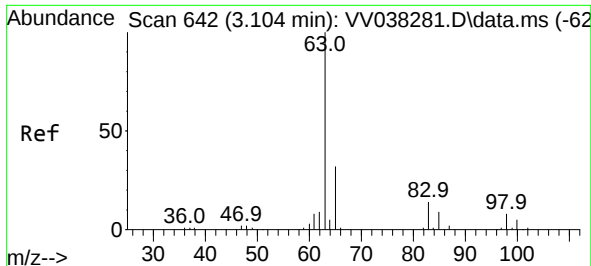
Tgt Ion: 43 Resp: 24306
Ion Ratio Lower Upper
43 100
74 0.2 22.4 33.6#



#16
Methylene chloride
Concen: 2.010 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV038287.D
Acq: 22 Nov 2024 23:07

Tgt Ion: 84 Resp: 38965
Ion Ratio Lower Upper
84 100
86 62.8 44.2 82.2
49 113.0 74.9 139.1





#19

1,1-Dichloroethane

Concen: 0.584 ug/L

RT: 3.108 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV038287.D

Acq: 22 Nov 2024 23:07

Instrument :

MSVOA_V

ClientSampleId :

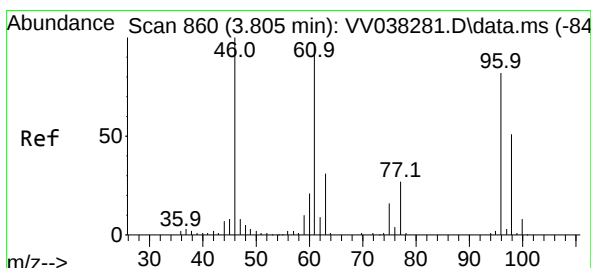
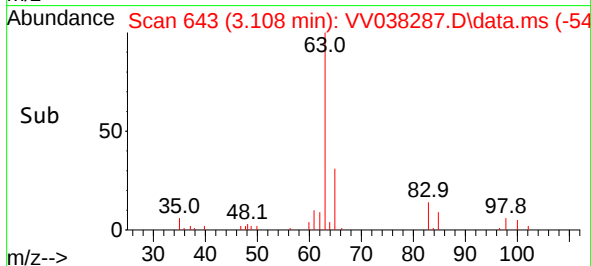
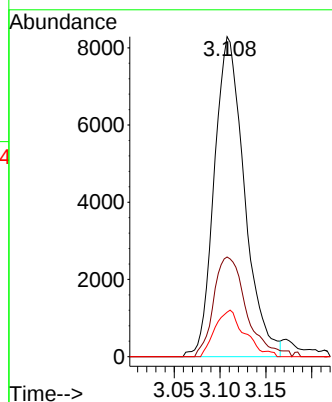
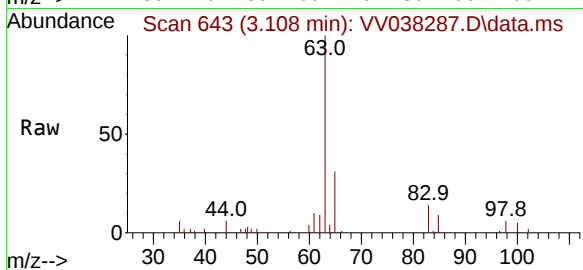
Tgt Ion: 63 Resp: 18985

Ion Ratio Lower Upper

63 100

65 31.2 22.5 41.7

83 13.9 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 4.594 ug/L

RT: 3.805 min Scan# 860

Delta R.T. -0.000 min

Lab File: VV038287.D

Acq: 22 Nov 2024 23:07

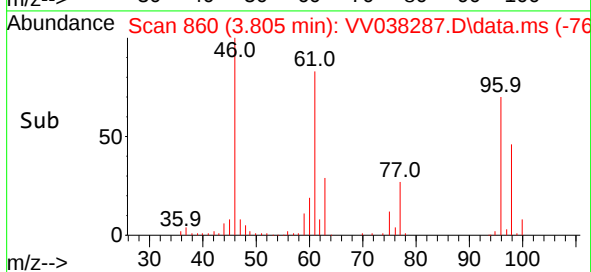
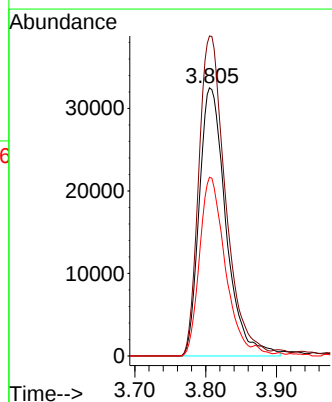
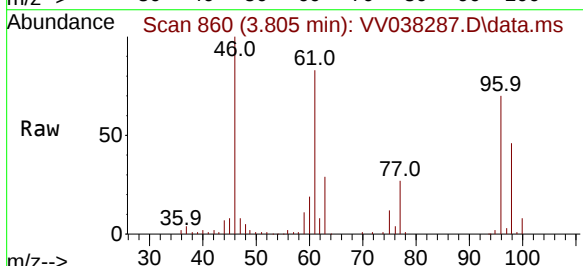
Tgt Ion: 96 Resp: 85056

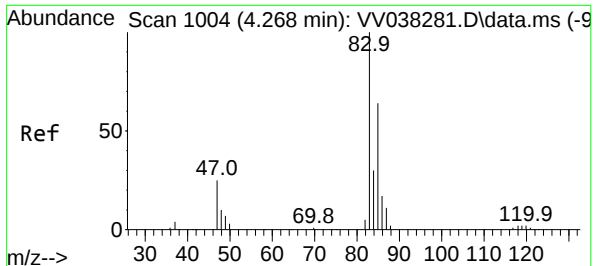
Ion Ratio Lower Upper

96 100

61 119.3 82.7 153.5

98 66.6 46.3 85.9

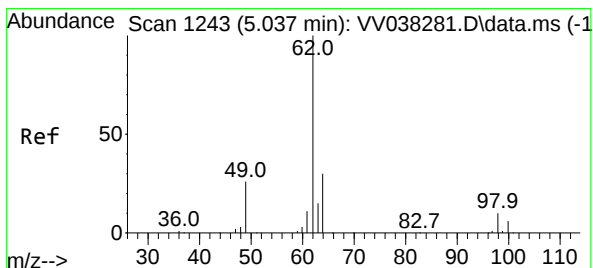
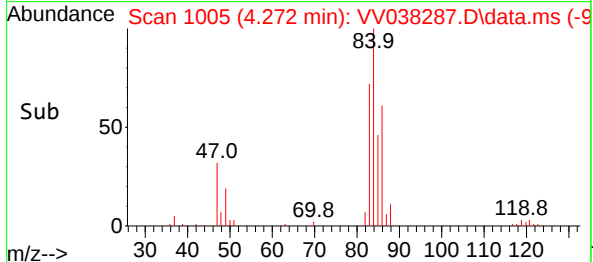
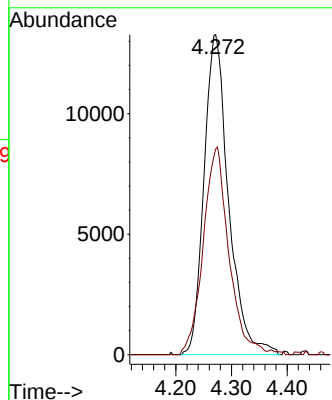
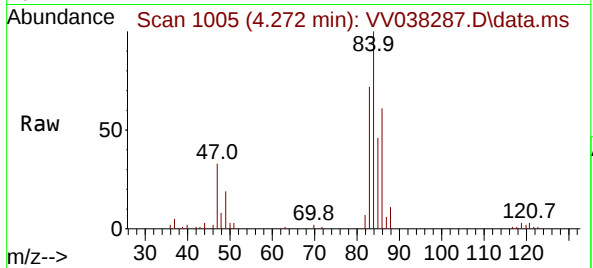




#25
Chloroform
Concen: 1.172 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV038287.D
Acq: 22 Nov 2024 23:07

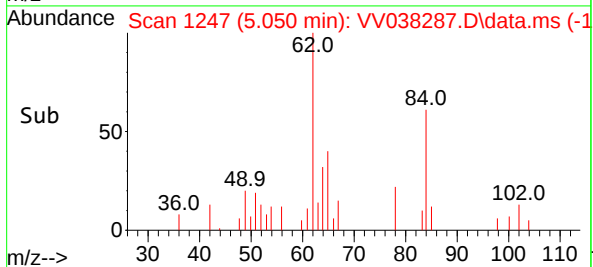
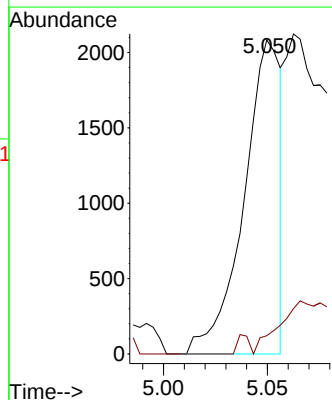
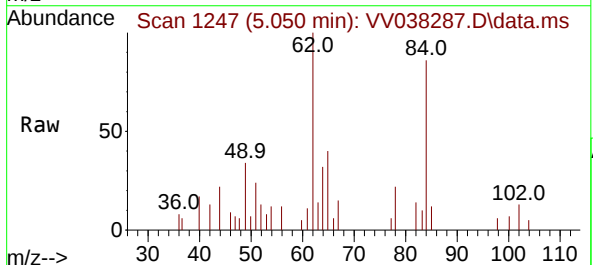
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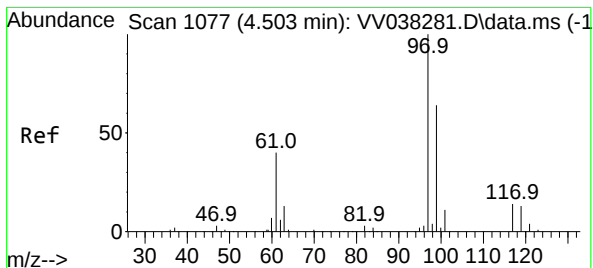
Tgt Ion: 83 Resp: 40763
Ion Ratio Lower Upper
83 100
85 64.3 46.5 86.3



#27
1,2-Dichloroethane
Concen: 0.135 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.013 min
Lab File: VV038287.D
Acq: 22 Nov 2024 23:07

Tgt Ion: 62 Resp: 2556
Ion Ratio Lower Upper
62 100
98 5.8 8.2 12.4#





#29

1,1,1-Trichloroethane

Concen: 1.261 ug/L

RT: 4.506 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV038287.D

Acq: 22 Nov 2024 23:07

Instrument :

MSVOA_V

ClientSampleId :

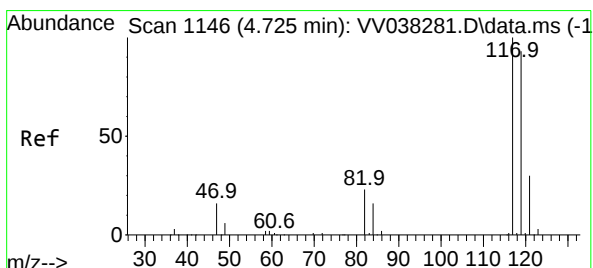
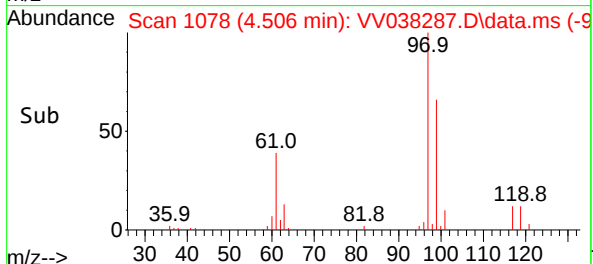
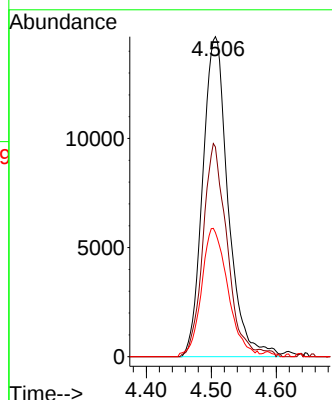
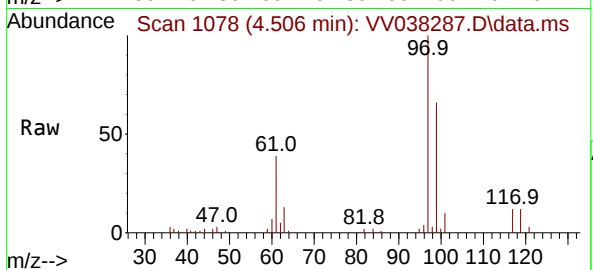
Tgt Ion: 97 Resp: 39930

Ion Ratio Lower Upper

97 100

99 62.5 51.8 77.8

61 41.7 32.2 48.2



#31

Carbon tetrachloride

Concen: 0.356 ug/L

RT: 4.731 min Scan# 1148

Delta R.T. 0.006 min

Lab File: VV038287.D

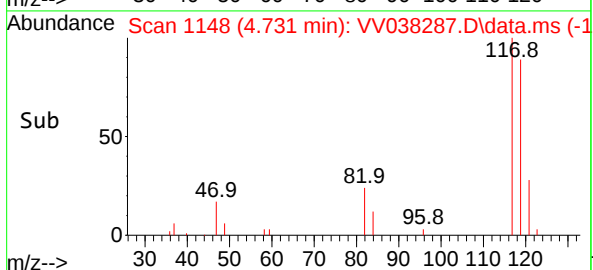
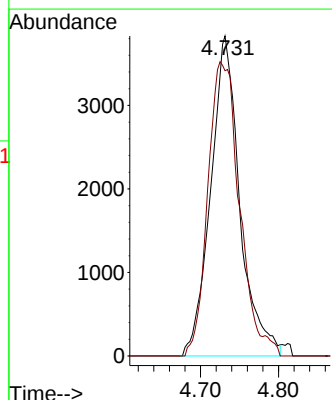
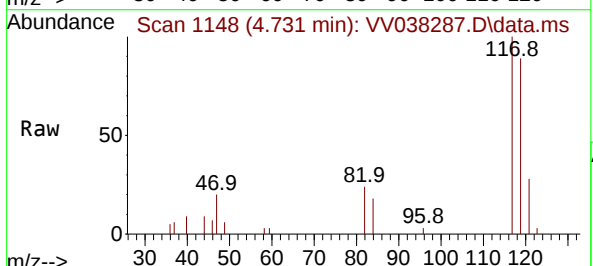
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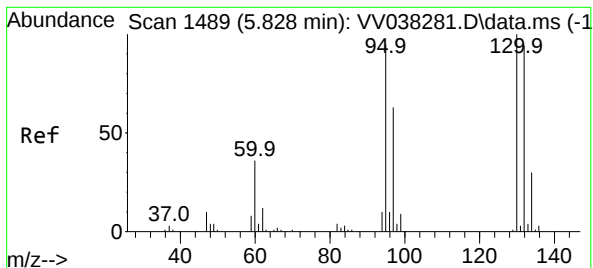
Tgt Ion: 117 Resp: 9946

Ion Ratio Lower Upper

117 100

119 99.9 77.4 116.2





#34

Trichloroethene

Concen: 20.753 ug/L

RT: 5.821 min Scan# 1489

Delta R.T. -0.006 min

Lab File: VV038287.D

Acq: 22 Nov 2024 23:07

Instrument :

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ClientSampleId :

Tgt Ion: 95 Resp: 419499

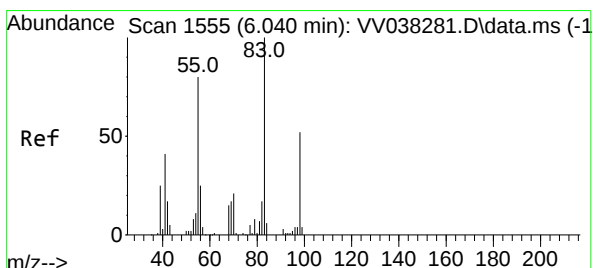
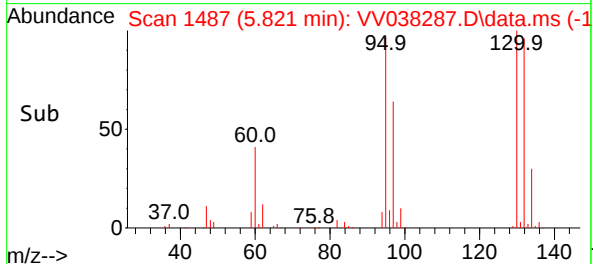
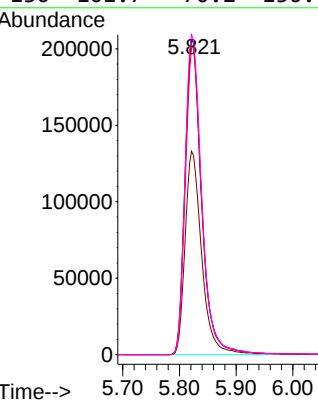
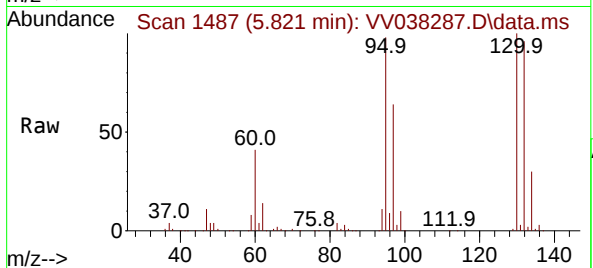
Ion Ratio Lower Upper

95 100

97 64.7 44.8 83.2

132 97.6 68.3 126.8

130 101.7 70.2 130.4



#35

Methylcyclohexane

Concen: 0.899 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038287.D

Acq: 22 Nov 2024 23:07

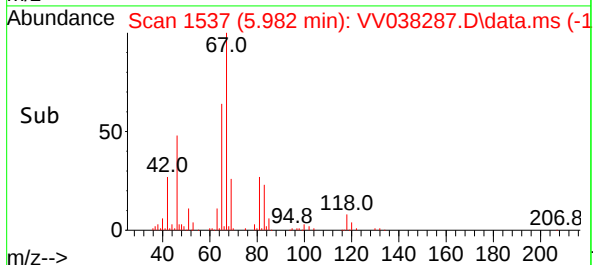
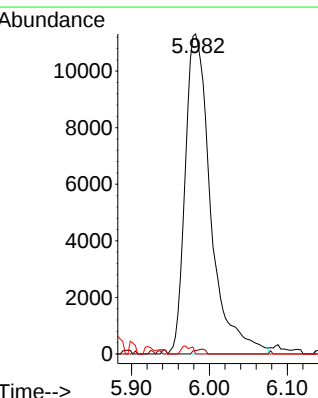
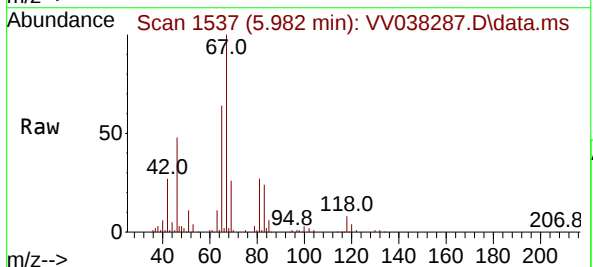
Tgt Ion: 83 Resp: 25711

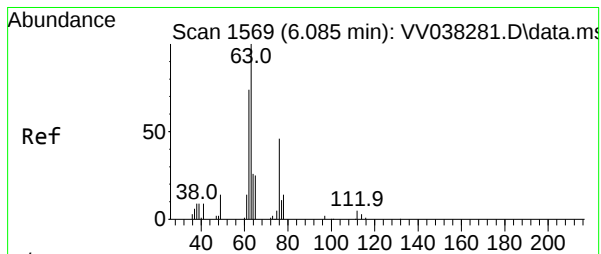
Ion Ratio Lower Upper

83 100

55 0.6 59.7 89.5#

98 0.0 39.0 58.4#

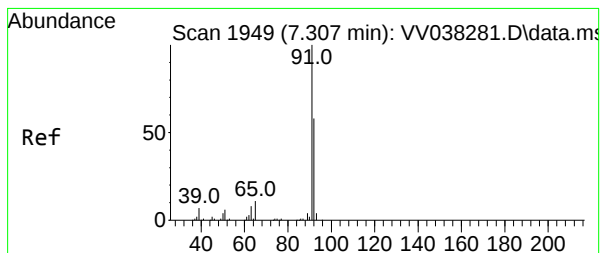
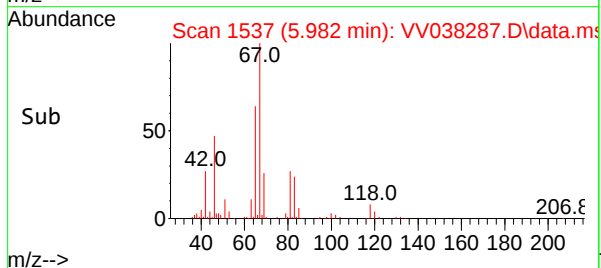
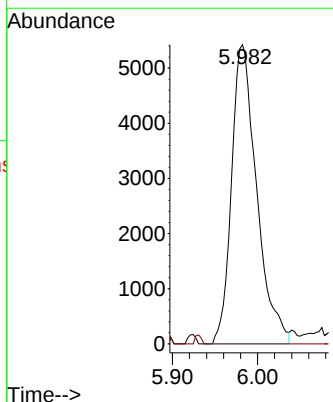
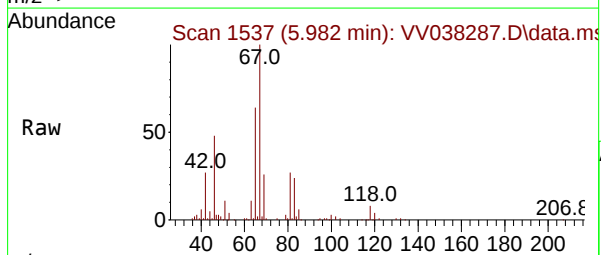




#37
1,2-Dichloropropane
Concen: 0.601 ug/L
RT: 5.982 min Scan# 1
Delta R.T. -0.103 min
Lab File: VV038287.D
Acq: 22 Nov 2024 23:07

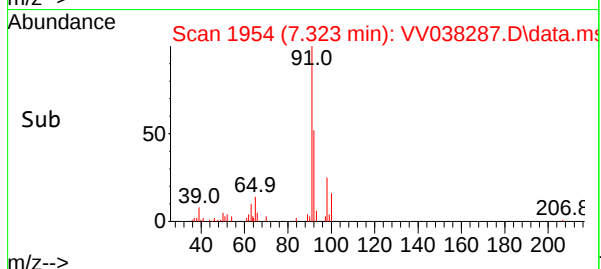
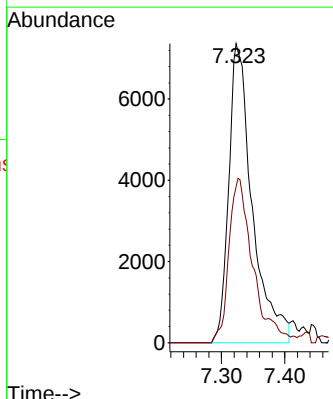
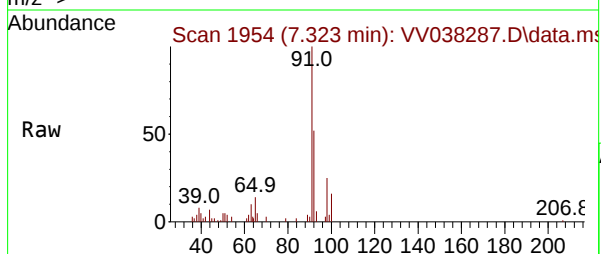
Instrument :
MSVOA_V
ClientSampleId :

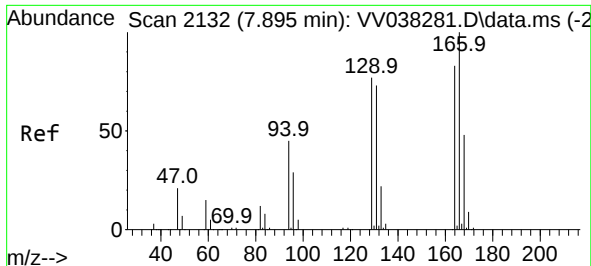
Tgt Ion: 63 Resp: 11155
Ion Ratio Lower Upper
63 100
112 0.7 3.9 5.9#



#42
Toluene
Concen: 0.242 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.016 min
Lab File: VV038287.D
Acq: 22 Nov 2024 23:07

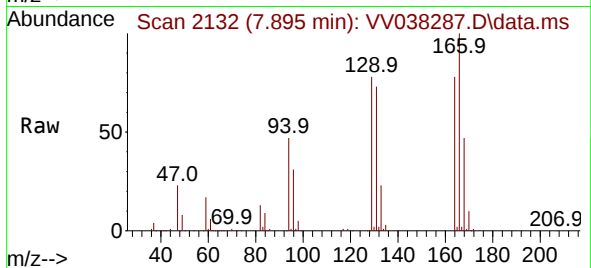
Tgt Ion: 91 Resp: 18967
Ion Ratio Lower Upper
91 100
92 52.2 40.8 75.8



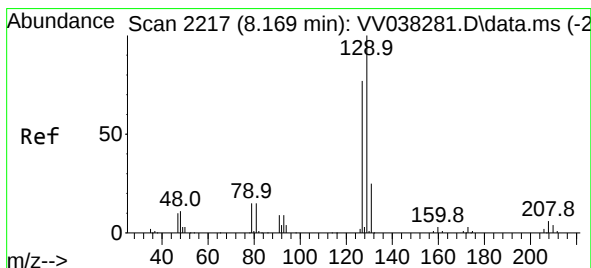
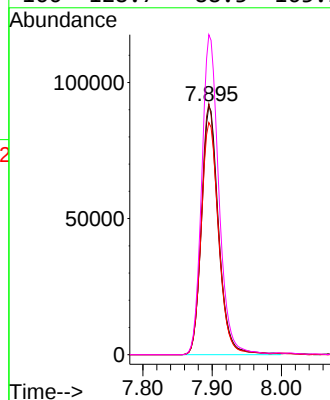
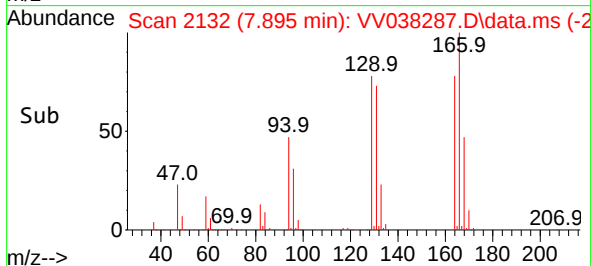


#47
Tetrachloroethene
Concen: 9.648 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.000 min
Lab File: VV038287.D
Acq: 22 Nov 2024 23:07

Instrument :
MSVOA_V
ClientSampleId :

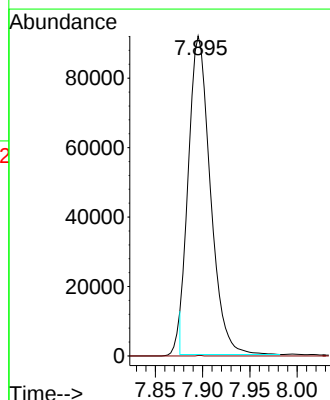
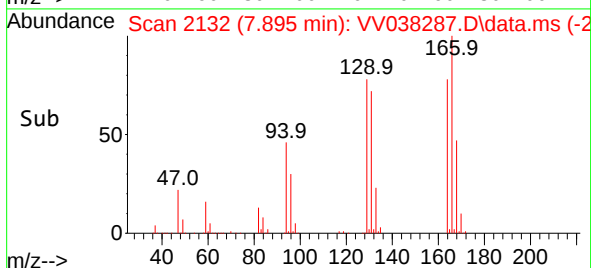
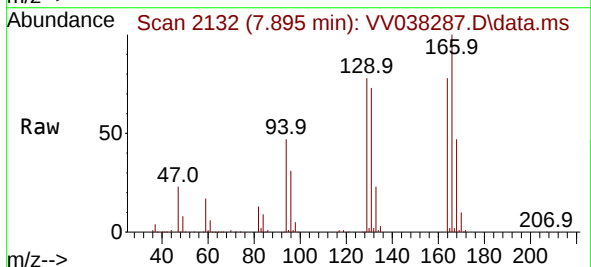


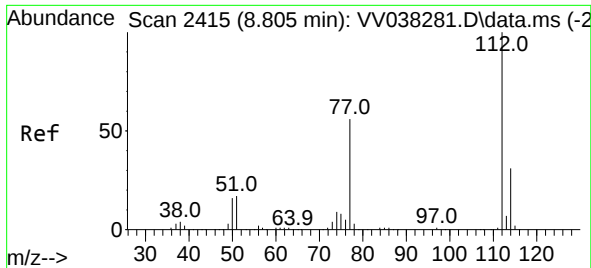
Tgt Ion:164 Resp: 156708
Ion Ratio Lower Upper
164 100
129 100.9 68.5 127.1
131 93.4 64.8 120.4
166 128.7 88.3 163.9



#49
Dibromochloromethane
Concen: 8.970 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.273 min
Lab File: VV038287.D
Acq: 22 Nov 2024 23:07

Tgt Ion:129 Resp: 147303
Ion Ratio Lower Upper
129 100
127 0.1 53.5 99.3#

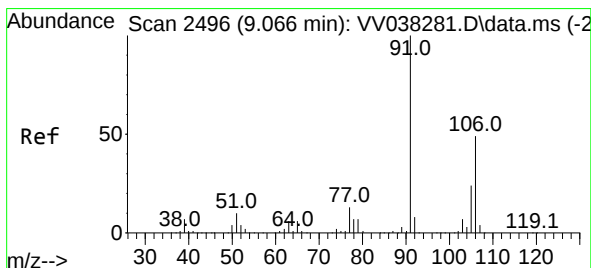
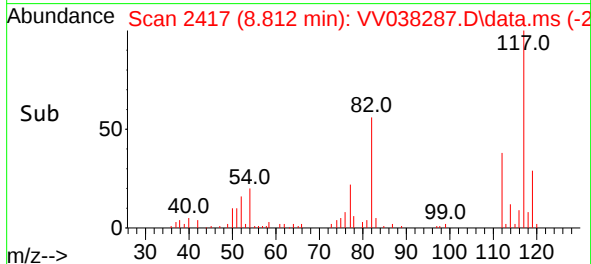
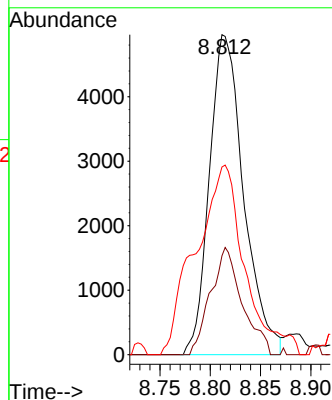
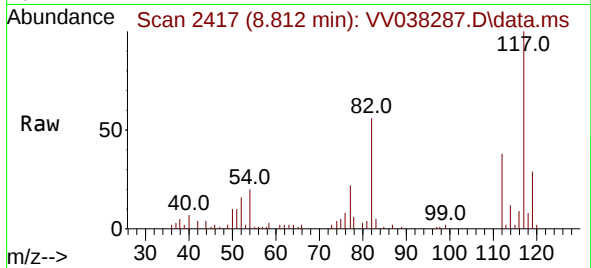




#51
Chlorobenzene
Concen: 0.218 ug/L
RT: 8.812 min Scan# 2415
Delta R.T. 0.006 min
Lab File: VV038287.D
Acq: 22 Nov 2024 23:07

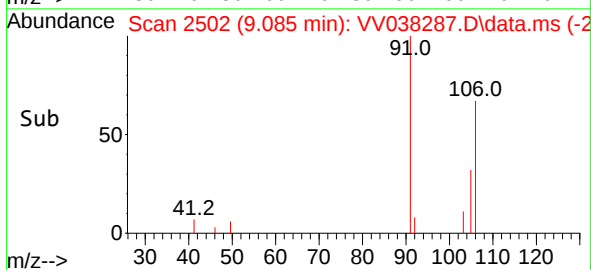
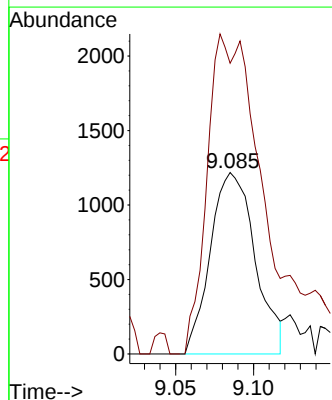
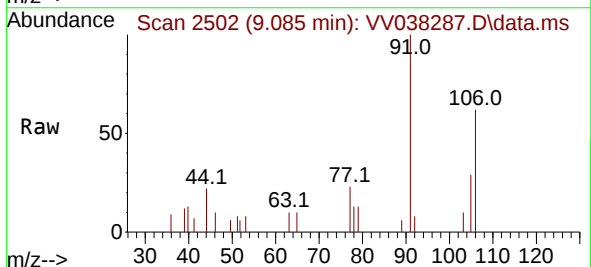
Instrument :
MSVOA_V
ClientSampleId :

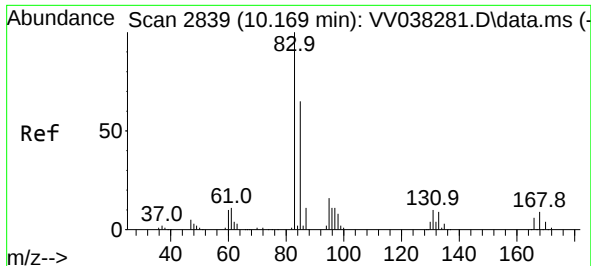
Tgt Ion:112 Resp: 11782
Ion Ratio Lower Upper
112 100
114 30.9 22.0 40.8
77 58.6 45.0 67.4



#53
m,p-Xylene
Concen: 0.077 ug/L
RT: 9.085 min Scan# 2502
Delta R.T. 0.019 min
Lab File: VV038287.D
Acq: 22 Nov 2024 23:07

Tgt Ion:106 Resp: 2432
Ion Ratio Lower Upper
106 100
91 160.2 138.7 257.5





#57

1,1,2,2-Tetrachloroethane

Concen: 0.165 ug/L

RT: 10.172 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV038287.D

Acq: 22 Nov 2024 23:07

Instrument :

MSVOA_V

ClientSampleId :

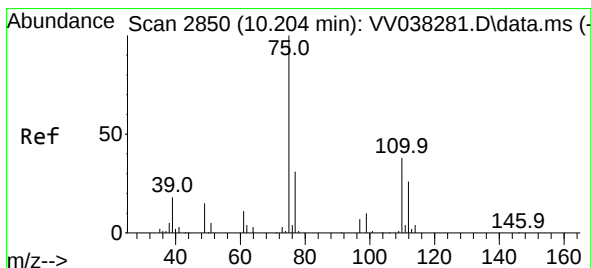
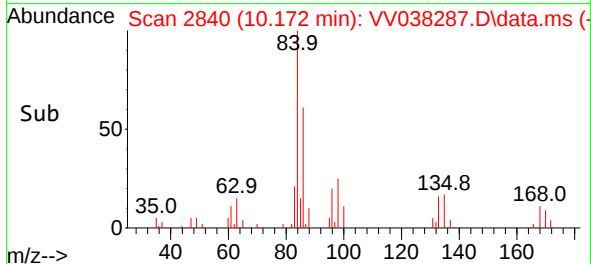
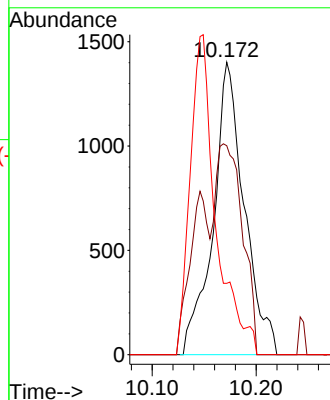
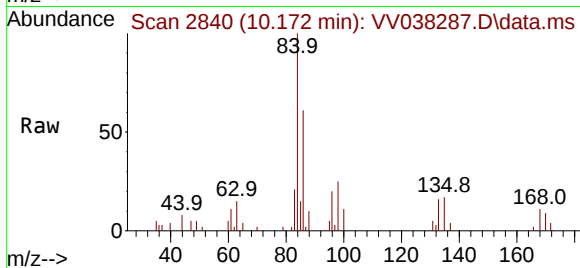
Tgt Ion: 83 Resp: 2902

Ion Ratio Lower Upper

83 100

85 71.5 45.7 84.9

131 24.4 8.2 12.4#



#61

1,2,3-Trichloropropane

Concen: 1.382 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.974 min

Lab File: VV038287.D

Acq: 22 Nov 2024 23:07

Tgt Ion: 75 Resp: 12910

Ion Ratio Lower Upper

75 100

77 32.5 26.4 39.6

110 2.6 32.3 48.5#

