

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112224\
 Data File : VV038285.D
 Acq On : 22 Nov 2024 22:19
 Operator : SY/MD
 Sample : P4930-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 23 02:06:08 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	246234	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	267053	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	111336	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	66321	3.514	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.200%
7) Chloroethane-d5	1.529	69	70165	4.596	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.053	65	29903	3.682	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.600%
20) 2-Butanone-d5	3.786	46	193354	51.212	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.420%
24) Chloroform-d	4.240	84	167778	4.581	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	4.937	65	87177	5.304	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.000%
32) Benzene-d6	4.953	84	293392	4.251	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	5.979	67	100882	4.750	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.000%
41) Toluene-d8	7.239	98	221829	3.473	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.400%#
43) trans-1,3-Dichloroprop...	7.558	79	30436	3.854	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.000%
46) 2-Hexanone-d5	8.018	63	165548	53.934	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.860%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	90495	5.019	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	11.554	152	92790	4.892	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	5866	0.252	ug/L	94
9) Trichlorofluoromethane	1.709	101	9153	0.283	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	21443	1.161	ug/L	98
12) 1,1-Dichloroethene	2.066	96	68011	3.867	ug/L	88
15) Methyl Acetate	2.259	43	22808	3.363	ug/L #	47
16) Methylene chloride	2.442	84	32775	1.634	ug/L	95
19) 1,1-Dichloroethane	3.111	63	18282	0.544	ug/L	98
22) cis-1,2-Dichloroethene	3.805	96	78475	4.096	ug/L	97
25) Chloroform	4.272	83	36985	1.028	ug/L	92
27) 1,2-Dichloroethane	5.066	62	7162	0.366	ug/L #	85
29) 1,1,1-Trichloroethane	4.503	97	35413	1.106	ug/L	98
31) Carbon tetrachloride	4.732	117	10623	0.376	ug/L	96
34) Trichloroethene	5.822	95	418163	20.449	ug/L	99
35) Methylcyclohexane	5.982	83	24171	0.836	ug/L #	19
37) 1,2-Dichloropropane	5.982	63	10296	0.548	ug/L #	87
42) Toluene	7.326	91	15921	0.200	ug/L	95
47) Tetrachloroethene	7.895	164	160529	9.769	ug/L	96
49) Dibromochloromethane	7.895	129	151697	9.131	ug/L #	11
51) Chlorobenzene	8.812	112	10660	0.195	ug/L	96

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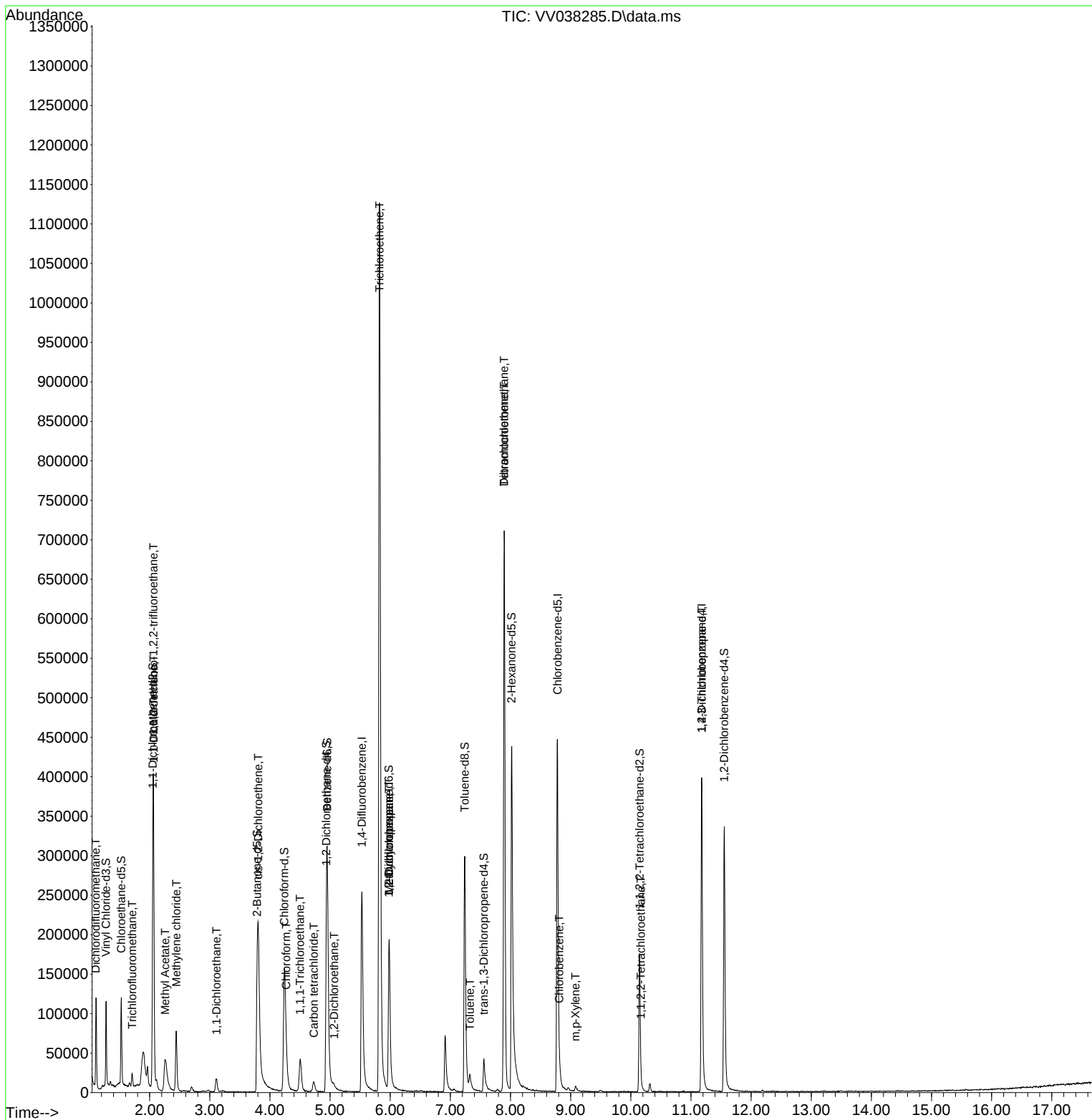
Instrument :
MSVOA_V
ClientSampleId :

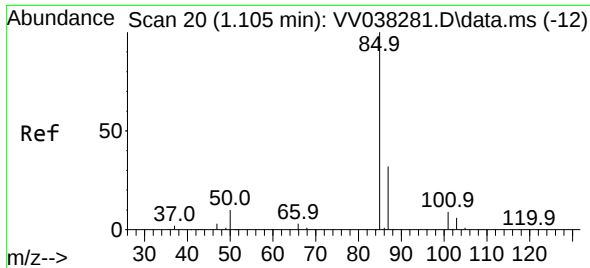
Quant Time: Nov 23 02:06:08 2024
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 23 02:01:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.082	106	1668	0.052	ug/L	83
57) 1,1,2,2-Tetrachloroethane	10.169	83	2802	0.157	ug/L #	86
61) 1,2,3-Trichloropropane	11.178	75	13690	1.436	ug/L #	65

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

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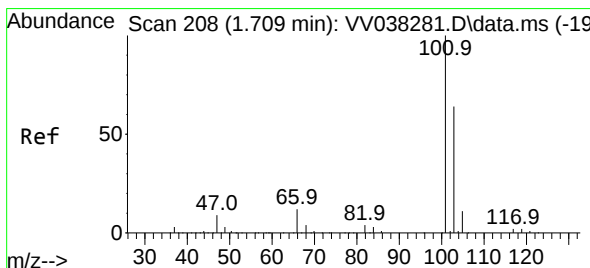
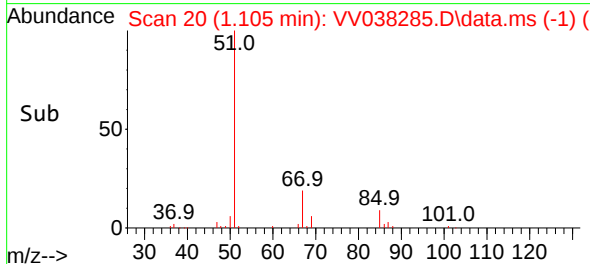
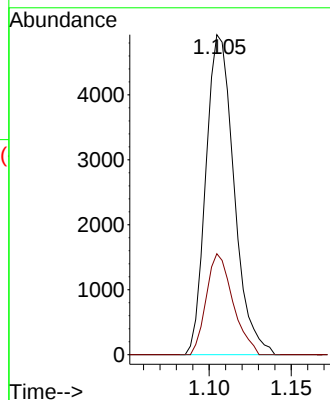
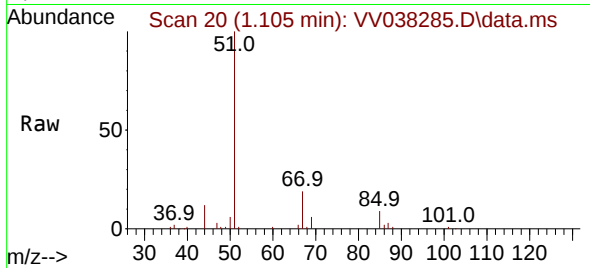




#2
 Dichlorodifluoromethane
 Concen: 0.252 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV038285.D
 Acq: 22 Nov 2024 22:19

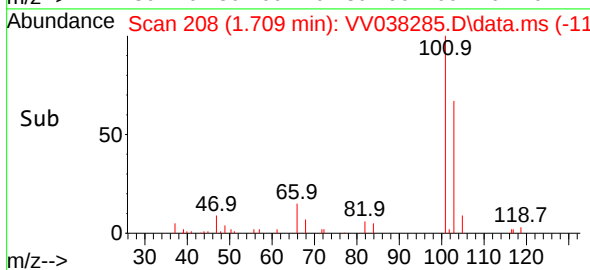
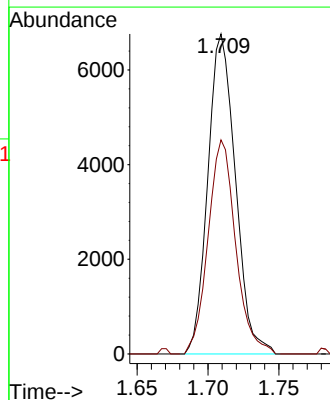
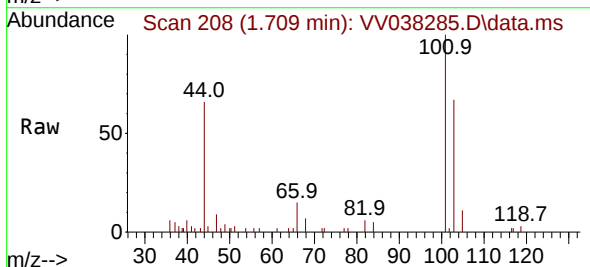
Instrument :
 MSVOA_V
 ClientSampleId :

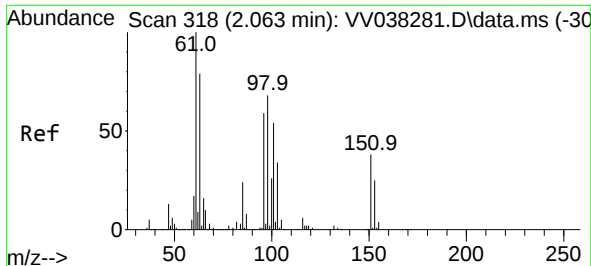
Tgt Ion: 85 Resp: 5866
 Ion Ratio Lower Upper
 85 100
 87 29.8 26.5 39.7



#9
 Trichlorofluoromethane
 Concen: 0.283 ug/L
 RT: 1.709 min Scan# 208
 Delta R.T. 0.000 min
 Lab File: VV038285.D
 Acq: 22 Nov 2024 22:19

Tgt Ion: 101 Resp: 9153
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.161 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV038285.D

Acq: 22 Nov 2024 22:19

Instrument :

MSVOA_V

ClientSampleId :

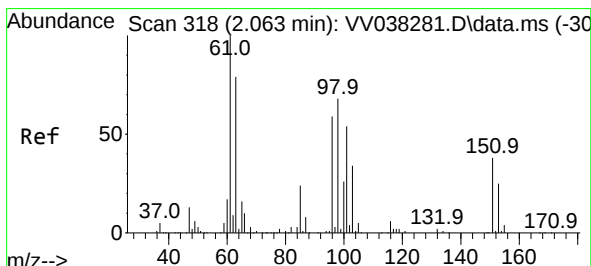
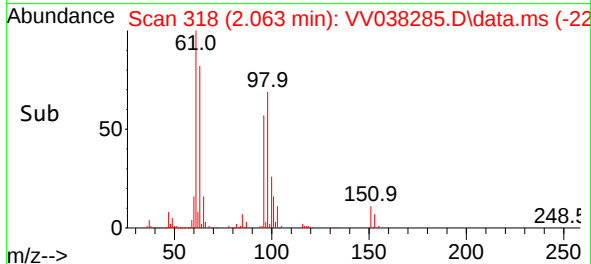
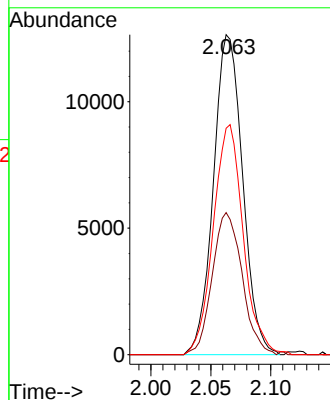
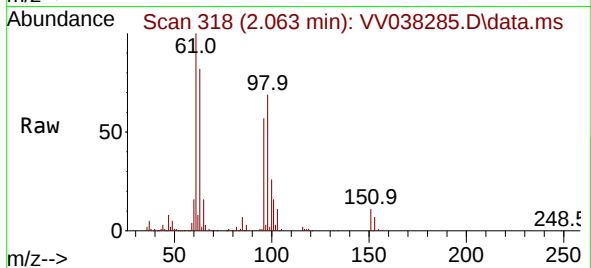
Tgt Ion:101 Resp: 21443

Ion Ratio Lower Upper

101 100

85 45.3 33.4 50.0

151 73.8 58.8 88.2



#12

1,1-Dichloroethene

Concen: 3.867 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV038285.D

Acq: 22 Nov 2024 22:19

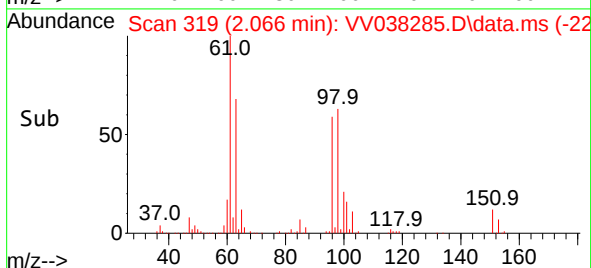
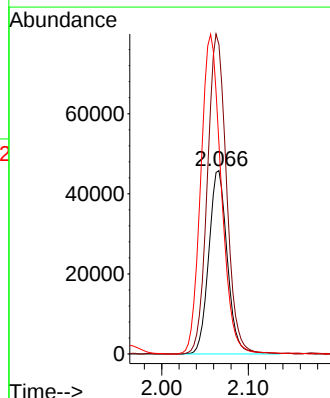
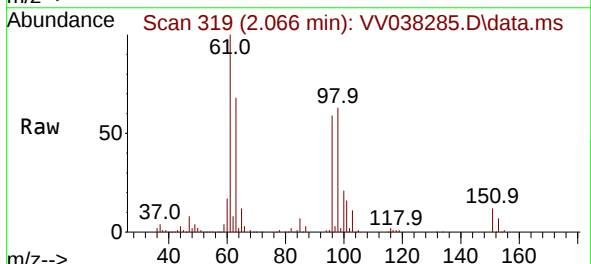
Tgt Ion: 96 Resp: 68011

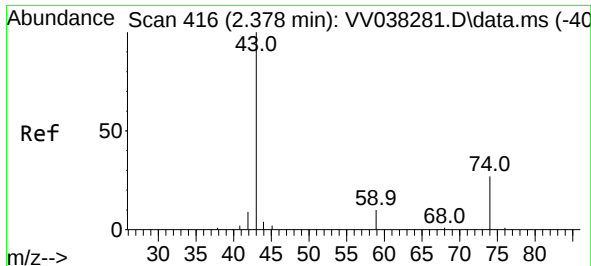
Ion Ratio Lower Upper

96 100

61 168.7 115.7 214.9

63 115.0 101.1 187.7

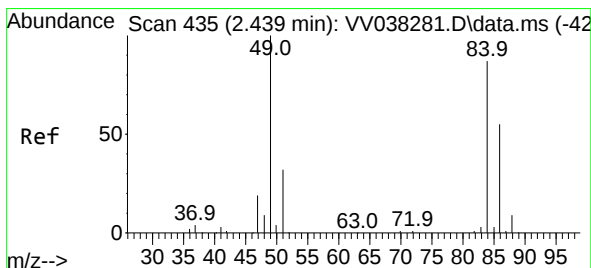
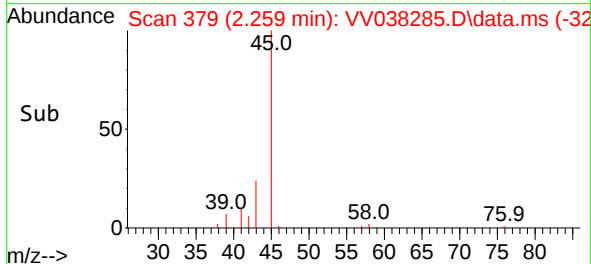
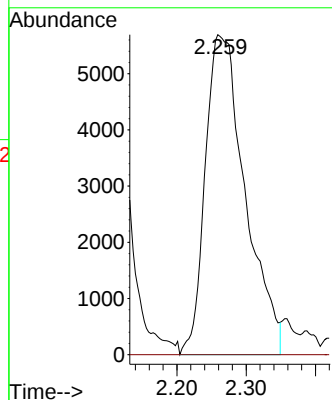
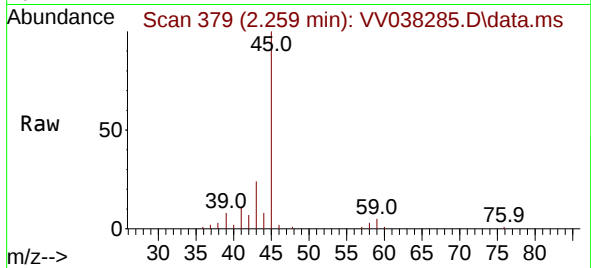




#15
Methyl Acetate
Concen: 3.363 ug/L
RT: 2.259 min Scan# 31
Delta R.T. -0.119 min
Lab File: VV038285.D
Acq: 22 Nov 2024 22:19

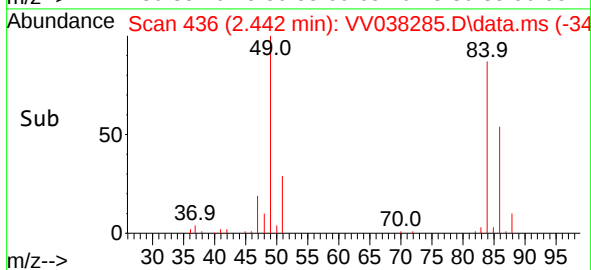
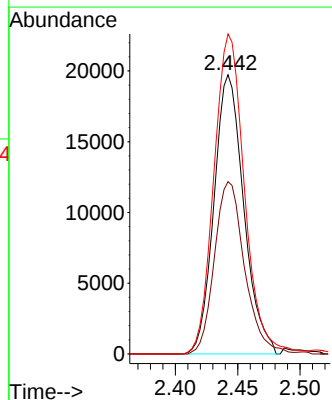
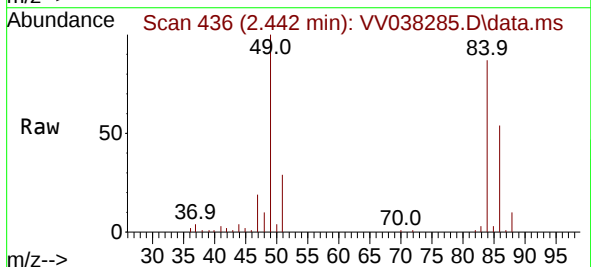
Instrument :
MSVOA_V
ClientSampleId :

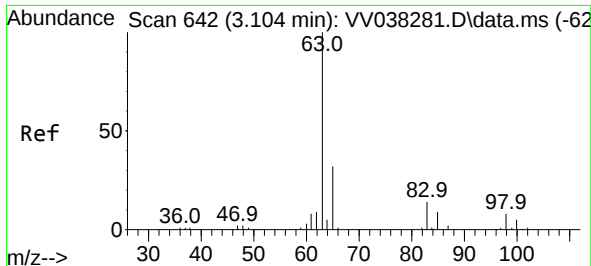
Tgt Ion: 43 Resp: 22808
Ion Ratio Lower Upper
43 100
74 0.0 22.4 33.6#



#16
Methylene chloride
Concen: 1.634 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV038285.D
Acq: 22 Nov 2024 22:19

Tgt Ion: 84 Resp: 32775
Ion Ratio Lower Upper
84 100
86 61.7 44.2 82.2
49 114.6 74.9 139.1





#19

1,1-Dichloroethane

Concen: 0.544 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.007 min

Lab File: VV038285.D

Acq: 22 Nov 2024 22:19

Instrument :

MSVOA_V

ClientSampleId :

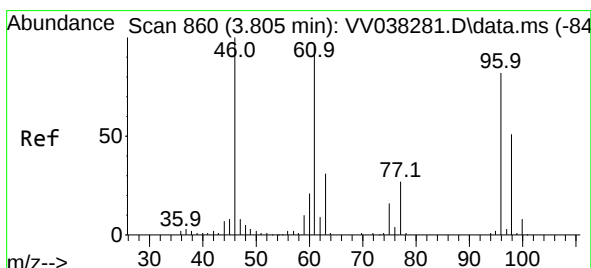
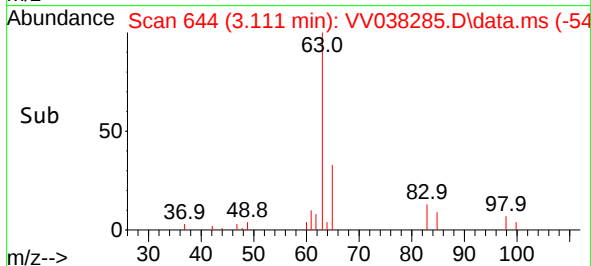
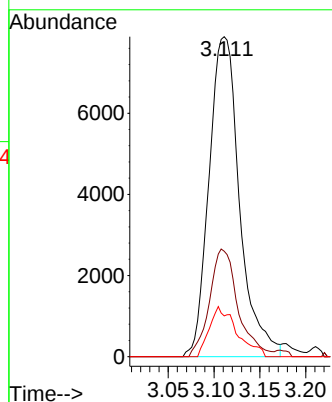
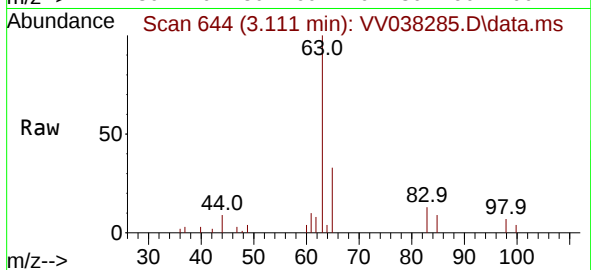
Tgt Ion: 63 Resp: 18282

Ion Ratio Lower Upper

63 100

65 33.0 22.5 41.7

83 12.8 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 4.096 ug/L

RT: 3.805 min Scan# 860

Delta R.T. 0.000 min

Lab File: VV038285.D

Acq: 22 Nov 2024 22:19

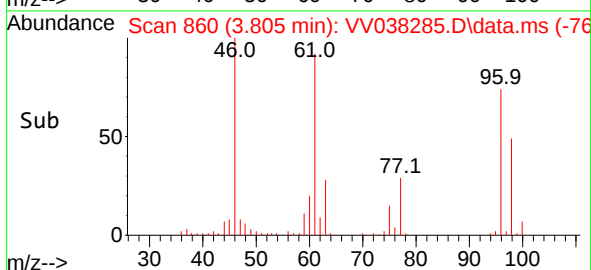
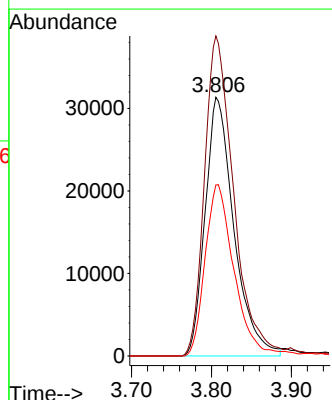
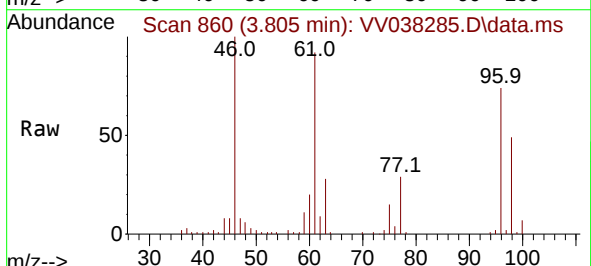
Tgt Ion: 96 Resp: 78475

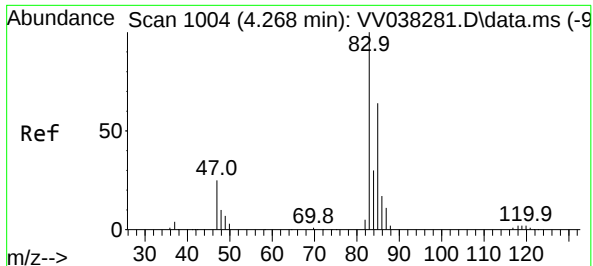
Ion Ratio Lower Upper

96 100

61 123.7 82.7 153.5

98 66.1 46.3 85.9





#25

Chloroform

Concen: 1.028 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV038285.D

Acq: 22 Nov 2024 22:19

Instrument :

MSVOA_V

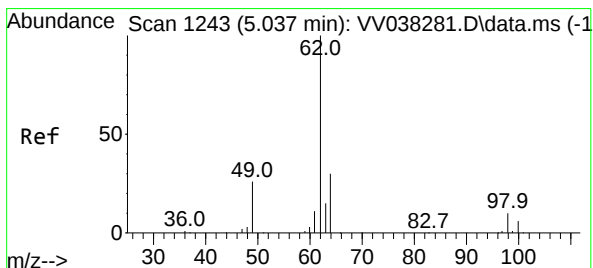
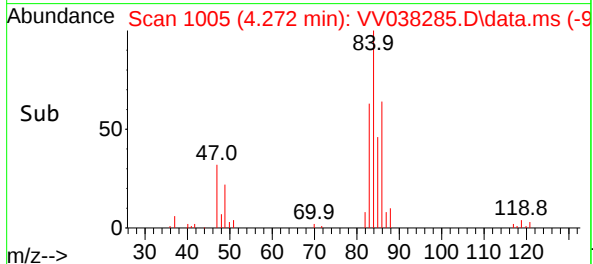
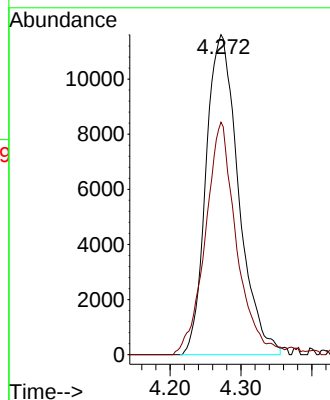
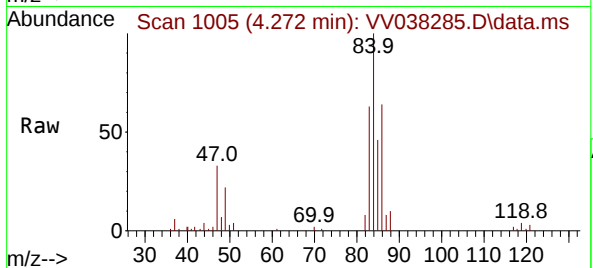
ClientSampleId :

Tgt Ion: 83 Resp: 36985

Ion Ratio Lower Upper

83 100

85 72.6 46.5 86.3



#27

1,2-Dichloroethane

Concen: 0.366 ug/L

RT: 5.066 min Scan# 1252

Delta R.T. 0.029 min

Lab File: VV038285.D

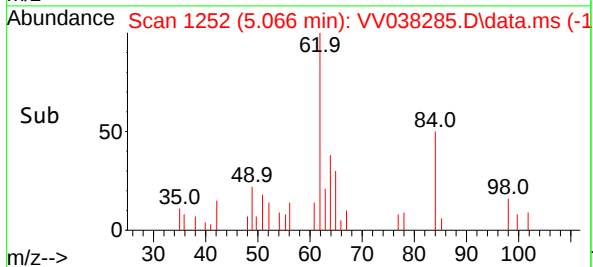
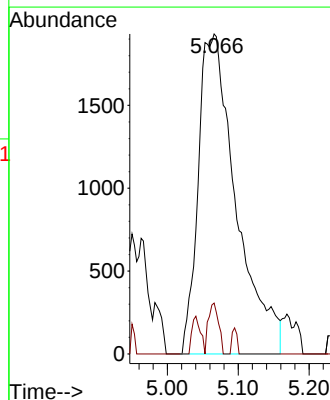
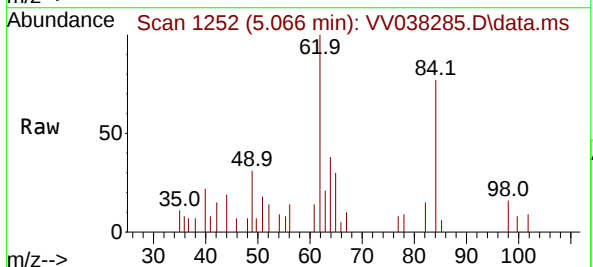
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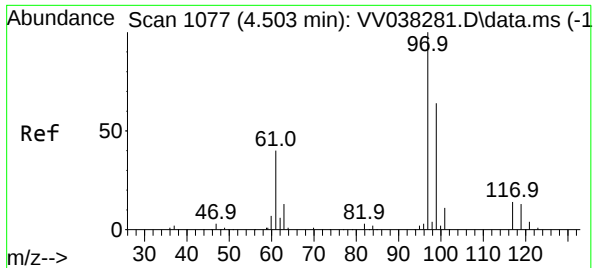
Tgt Ion: 62 Resp: 7162

Ion Ratio Lower Upper

62 100

98 15.9 8.2 12.4#





#29

1,1,1-Trichloroethane

Concen: 1.106 ug/L

RT: 4.503 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VV038285.D

Acq: 22 Nov 2024 22:19

Instrument :

MSVOA_V

ClientSampleId :

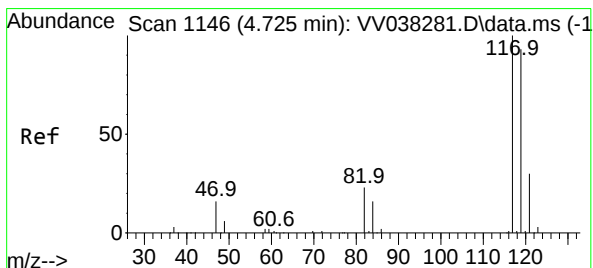
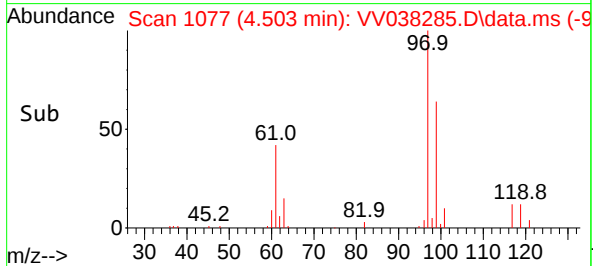
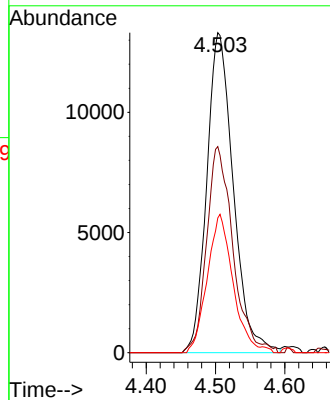
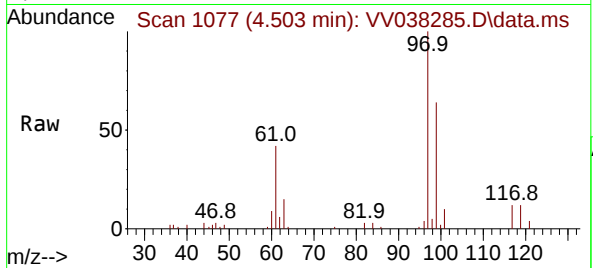
Tgt Ion: 97 Resp: 35413

Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.8

61 41.6 32.2 48.2



#31

Carbon tetrachloride

Concen: 0.376 ug/L

RT: 4.732 min Scan# 1148

Delta R.T. 0.007 min

Lab File: VV038285.D

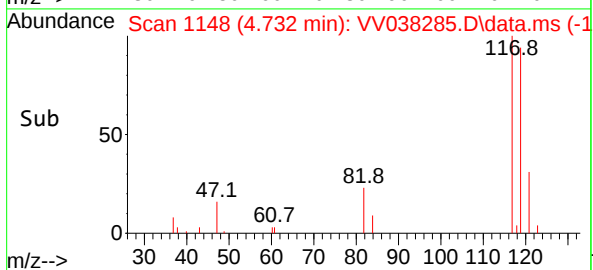
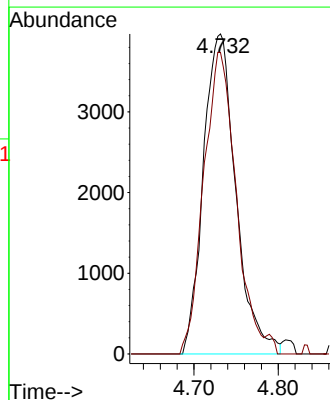
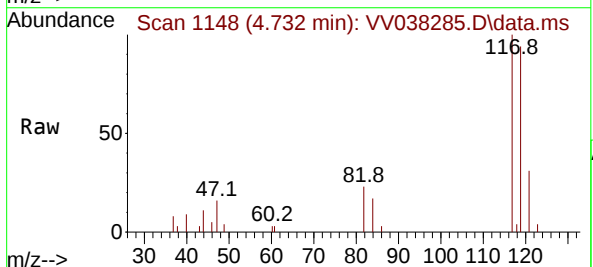
Acq: 22 Nov 2024 22:19

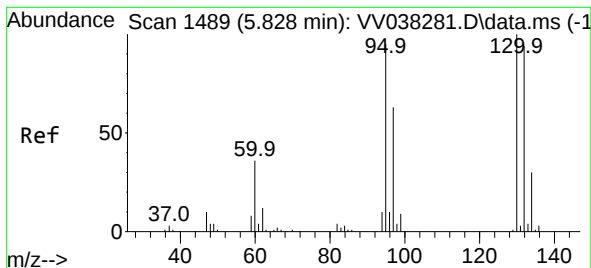
Tgt Ion: 117 Resp: 10623

Ion Ratio Lower Upper

117 100

119 93.2 77.4 116.2





#34

Trichloroethene

Concen: 20.449 ug/L

RT: 5.822 min Scan# 1489

Delta R.T. -0.006 min

Lab File: VV038285.D

Acq: 22 Nov 2024 22:19

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 418163

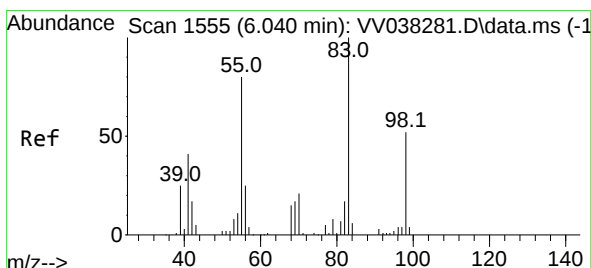
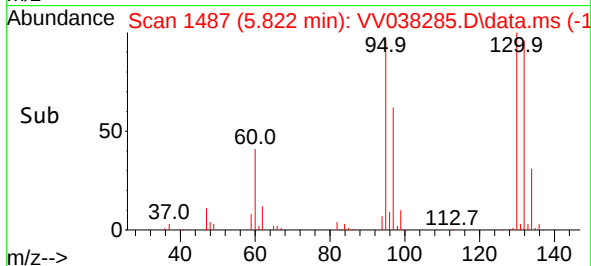
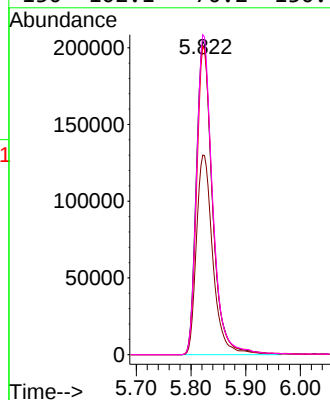
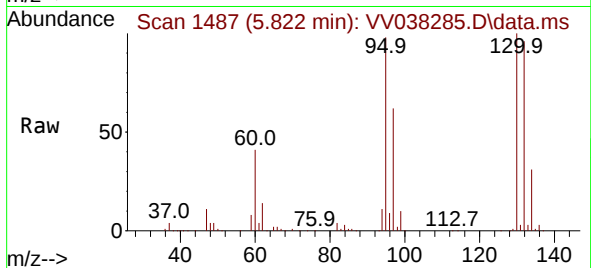
Ion Ratio Lower Upper

95 100

97 63.7 44.8 83.2

132 98.4 68.3 126.8

130 102.1 70.2 130.4



#35

Methylcyclohexane

Concen: 0.836 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038285.D

Acq: 22 Nov 2024 22:19

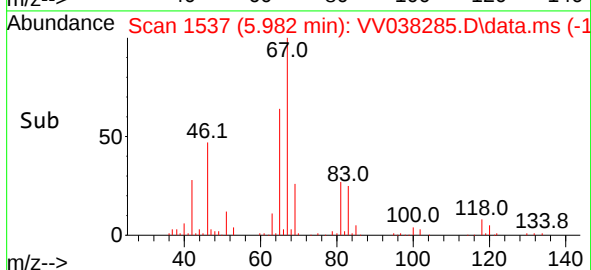
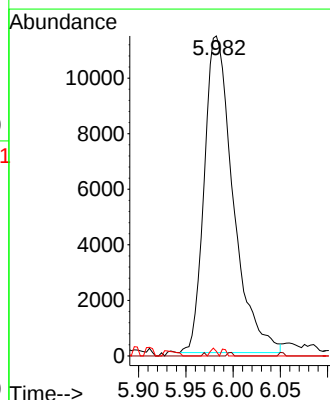
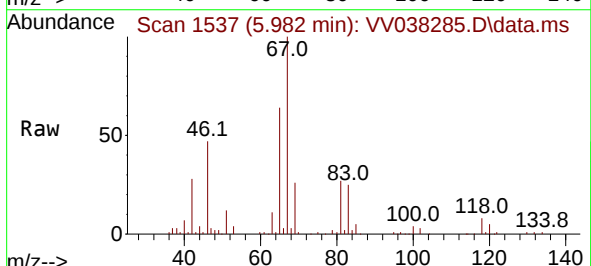
Tgt Ion: 83 Resp: 24171

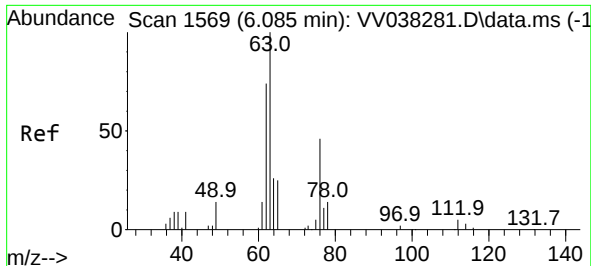
Ion Ratio Lower Upper

83 100

55 0.1 59.7 89.5#

98 0.0 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 0.548 ug/L

RT: 5.982 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV038285.D

Acq: 22 Nov 2024 22:19

Instrument :

MSVOA_V

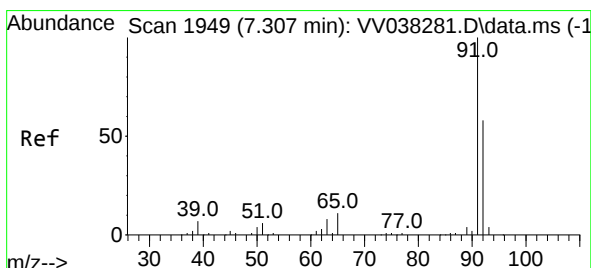
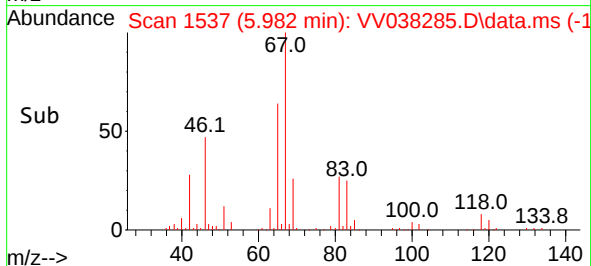
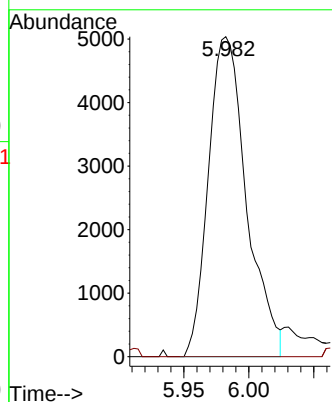
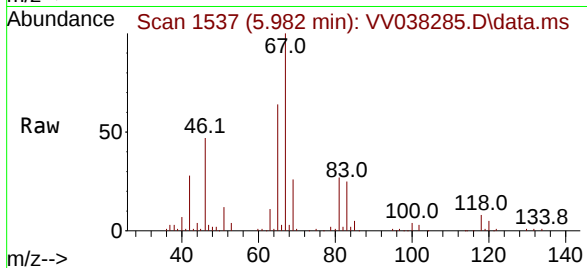
ClientSampleId :

Tgt Ion: 63 Resp: 10296

Ion Ratio Lower Upper

63 100

112 0.7 3.9 5.9#



#42

Toluene

Concen: 0.200 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.019 min

Lab File: VV038285.D

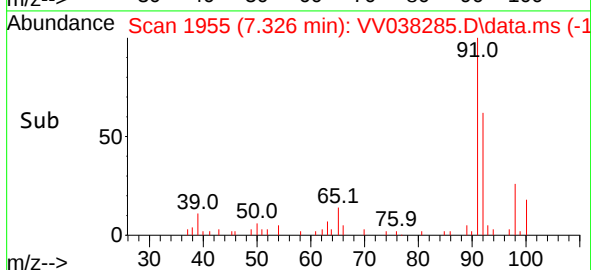
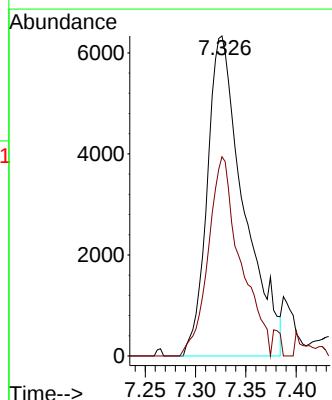
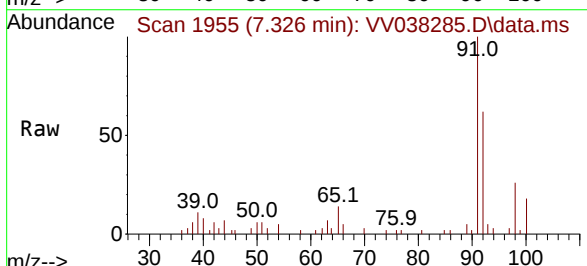
Acq: 22 Nov 2024 22:19

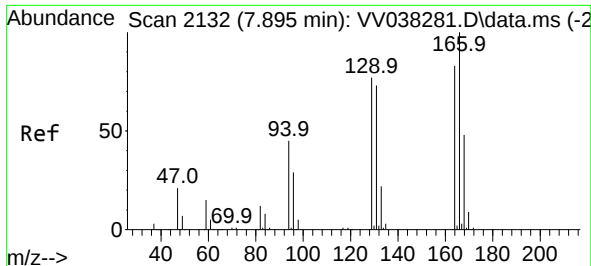
Tgt Ion: 91 Resp: 15921

Ion Ratio Lower Upper

91 100

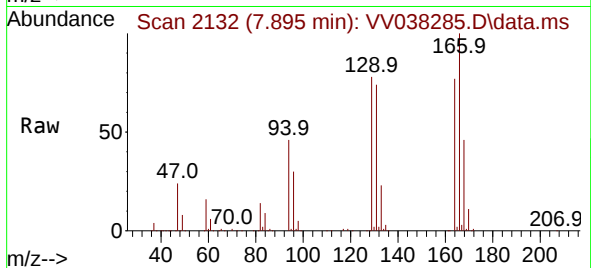
92 62.3 40.8 75.8



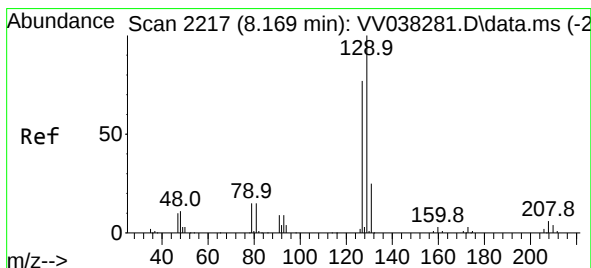
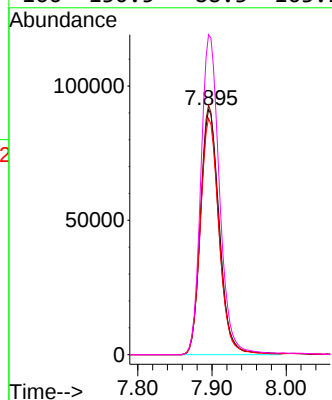
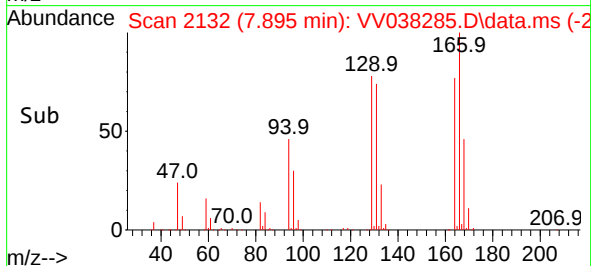


#47
Tetrachloroethene
Concen: 9.769 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV038285.D
Acq: 22 Nov 2024 22:19

Instrument :
MSVOA_V
ClientSampleId :

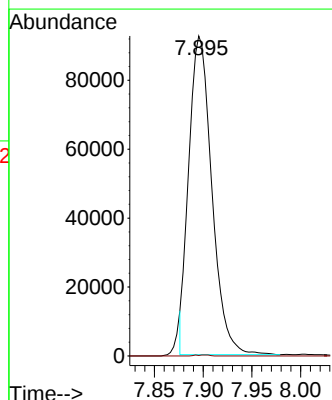
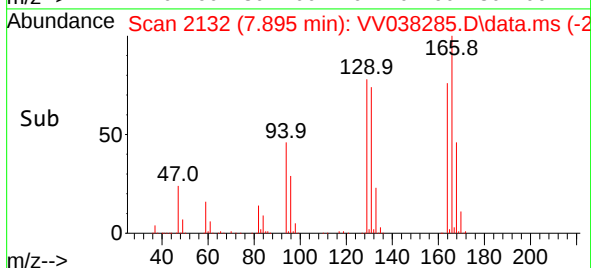
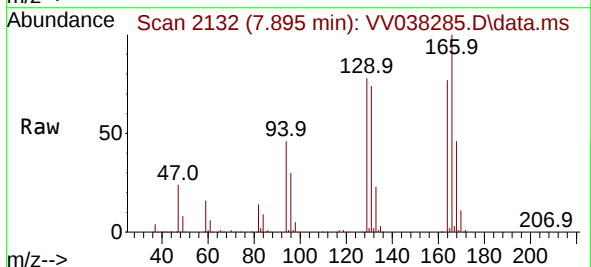


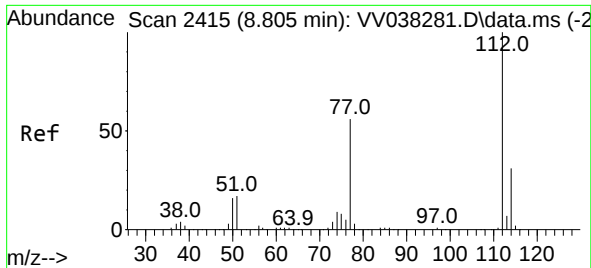
Tgt Ion:164 Resp: 160529
Ion Ratio Lower Upper
164 100
129 101.8 68.5 127.1
131 96.3 64.8 120.4
166 130.5 88.3 163.9



#49
Dibromochloromethane
Concen: 9.131 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.273 min
Lab File: VV038285.D
Acq: 22 Nov 2024 22:19

Tgt Ion:129 Resp: 151697
Ion Ratio Lower Upper
129 100
127 0.2 53.5 99.3#

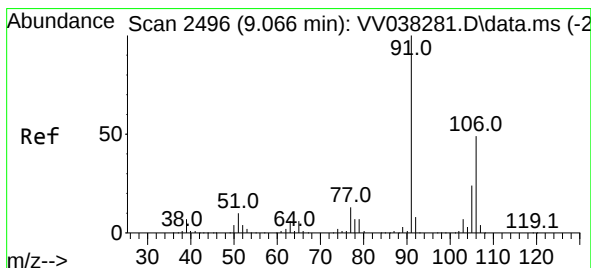
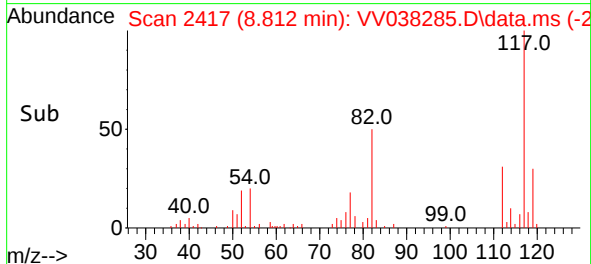
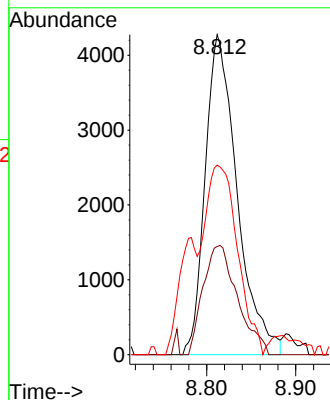
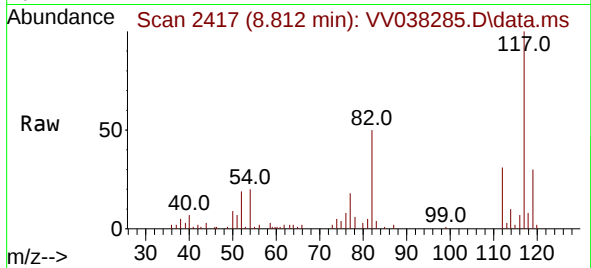




#51
Chlorobenzene
Concen: 0.195 ug/L
RT: 8.812 min Scan# 2415
Delta R.T. 0.007 min
Lab File: VV038285.D
Acq: 22 Nov 2024 22:19

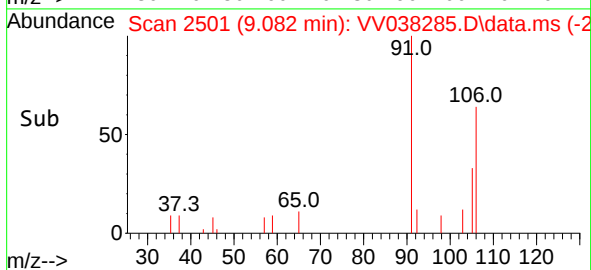
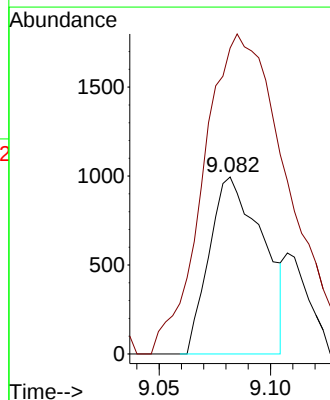
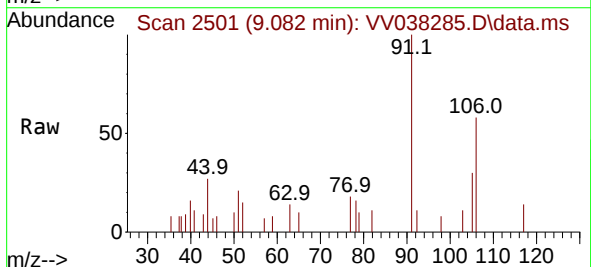
Instrument :
MSVOA_V
ClientSampleId :

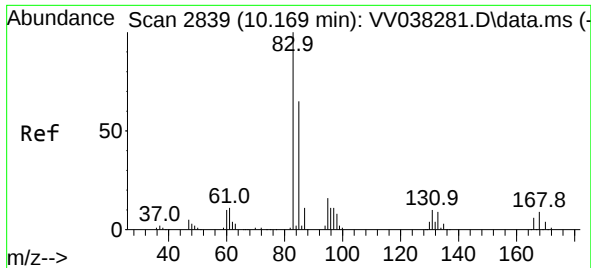
Tgt Ion:112 Resp: 10660
Ion Ratio Lower Upper
112 100
114 33.8 22.0 40.8
77 59.3 45.0 67.4



#53
m,p-Xylene
Concen: 0.052 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.016 min
Lab File: VV038285.D
Acq: 22 Nov 2024 22:19

Tgt Ion:106 Resp: 1668
Ion Ratio Lower Upper
106 100
91 172.9 138.7 257.5

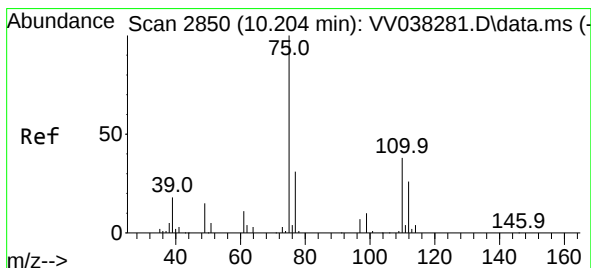
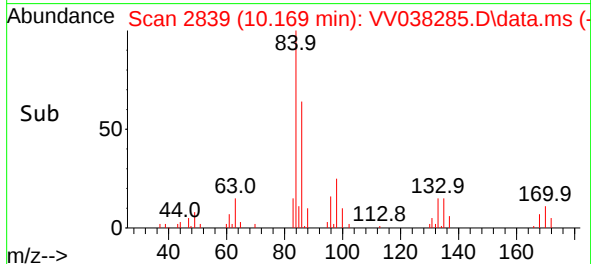
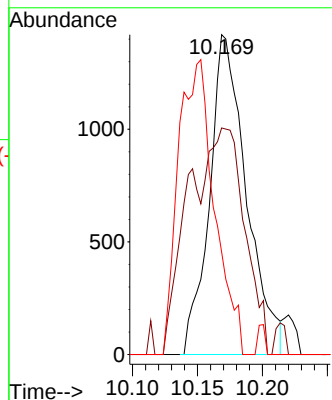
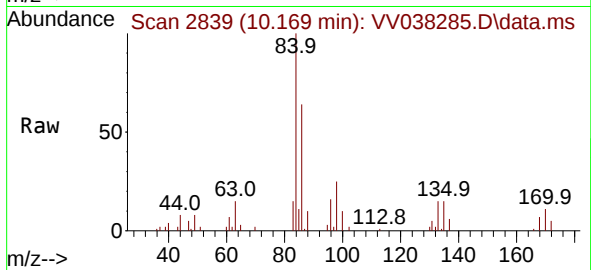




#57
1,1,2,2-Tetrachloroethane
Concen: 0.157 ug/L
RT: 10.169 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV038285.D
Acq: 22 Nov 2024 22:19

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 83 Resp: 2802
Ion Ratio Lower Upper
83 100
85 70.8 45.7 84.9
131 32.0 8.2 12.4#



#61
1,2,3-Trichloropropane
Concen: 1.436 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.974 min
Lab File: VV038285.D
Acq: 22 Nov 2024 22:19

Tgt Ion: 75 Resp: 13690
Ion Ratio Lower Upper
75 100
77 34.2 26.4 39.6
110 1.8 32.3 48.5#

