

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112124\
 Data File : VV038241.D
 Acq On : 21 Nov 2024 15:10
 Operator : SY/MD
 Sample : P4883-05DL 5X
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:47:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 22 01:41:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	117292	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	127935	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	55728	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	65488	7.284	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	145.600%#	
7) Chloroethane-d5	1.513	69	39267	5.400	ug/L	-0.02
Spiked Amount	5.000	Range 65 - 130	Recovery	=	108.000%	
11) 1,1-Dichloroethene-d2	2.040	65	32373	8.368	ug/L	-0.01
Spiked Amount	5.000	Range 60 - 125	Recovery	=	167.400%#	
20) 2-Butanone-d5	3.793	46	208751	116.072	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	232.140%#	
24) Chloroform-d	4.239	84	168329	9.648	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	193.000%#	
26) 1,2-Dichloroethane-d4	4.934	65	85738	10.952	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	219.000%#	
32) Benzene-d6	4.950	84	295200	8.928	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	178.600%#	
36) 1,2-Dichloropropane-d6	5.982	67	98658	9.696	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	194.000%#	
41) Toluene-d8	7.236	98	235915	7.711	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	154.200%#	
43) trans-1,3-Dichloroprop...	7.554	79	36966	9.772	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	195.400%#	
46) 2-Hexanone-d5	8.027	63	182598	124.178	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	248.360%#	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	91994	10.651	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	213.000%#	
66) 1,2-Dichlorobenzene-d4	11.554	152	102036	10.746	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	215.000%#	
Target Compounds						
					Qvalue	
6) Bromomethane	1.474	94	1265	0.300	ug/L	95
9) Trichlorofluoromethane	1.690	101	4182	0.271	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.053	101	2555	0.291	ug/L #	82
16) Methylene chloride	2.436	84	11555	1.210	ug/L	93
17) Methyl tert-butyl Ether	2.699	73	2639	0.139	ug/L #	56
19) 1,1-Dichloroethane	3.104	63	3120	0.195	ug/L	93
22) cis-1,2-Dichloroethene	3.809	96	22975	2.518	ug/L	95
27) 1,2-Dichloroethane	5.063	62	1489	0.160	ug/L #	72
29) 1,1,1-Trichloroethane	4.506	97	12879	0.839	ug/L	92
34) Trichloroethene	5.825	95	171295	17.486	ug/L	99
35) Methylcyclohexane	5.982	83	25182	1.817	ug/L #	19
37) 1,2-Dichloropropane	5.982	63	11056	1.228	ug/L #	85
42) Toluene	7.326	91	8750	0.230	ug/L	95
47) Tetrachloroethene	7.898	164	67302	8.550	ug/L	98
49) Dibromochloromethane	7.898	129	62856	7.897	ug/L #	11
51) Chlorobenzene	8.815	112	6453	0.246	ug/L	97
52) Ethylbenzene	8.963	91	3411	0.084	ug/L	89
53) m,p-Xylene	9.088	106	2003	0.131	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.181	83	1428	0.167	ug/L #	80

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 22 01:41:27 2024
Response via : Initial Calibration

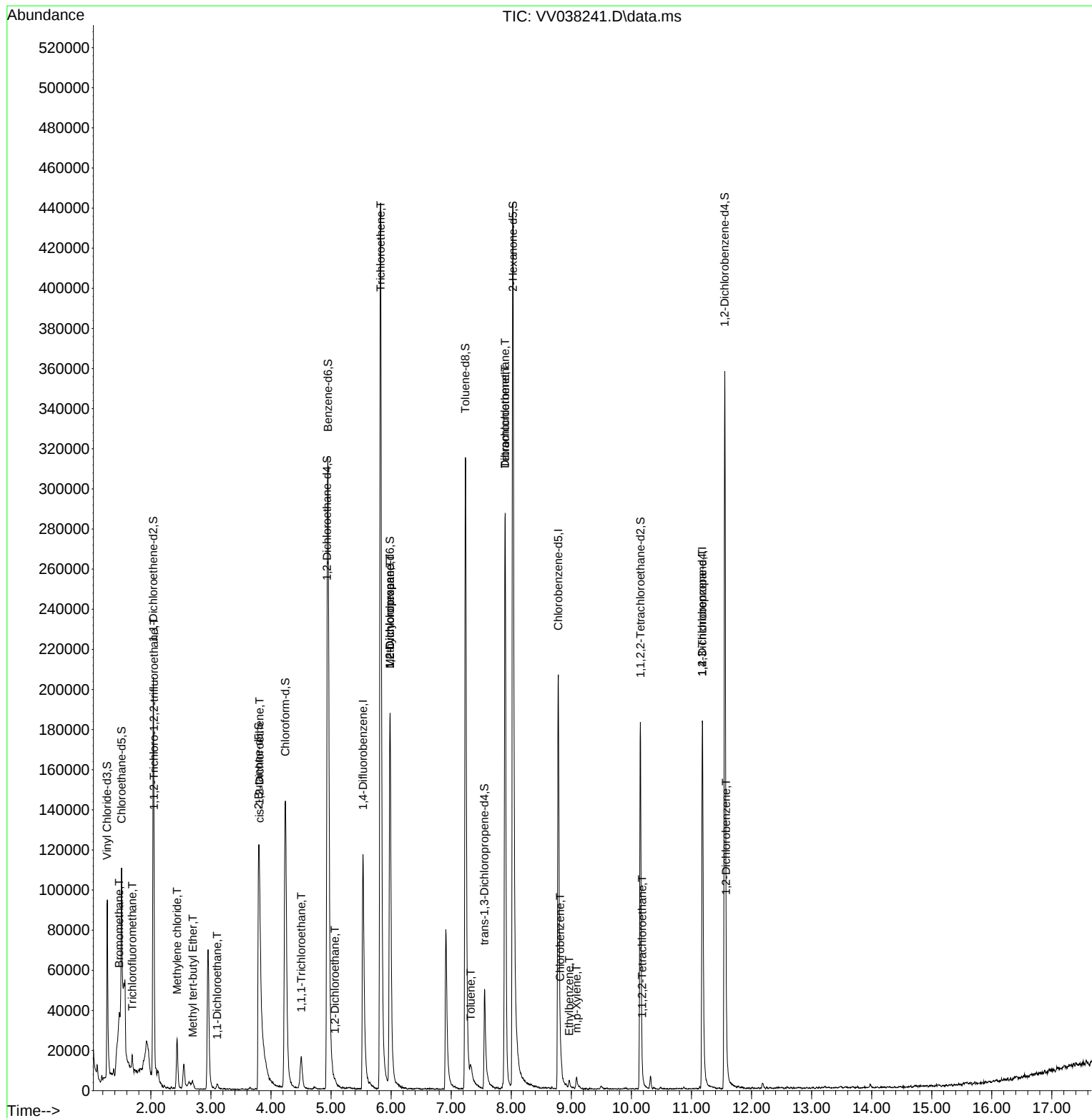
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.181	75	5806	1.217	ug/L #	64
67) 1,2-Dichlorobenzene	11.577	146	3254	0.204	ug/L	92

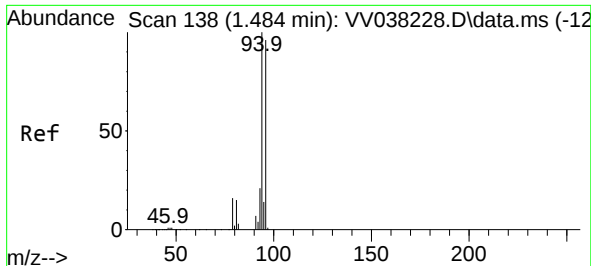
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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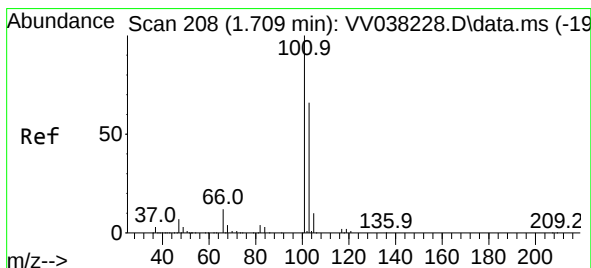
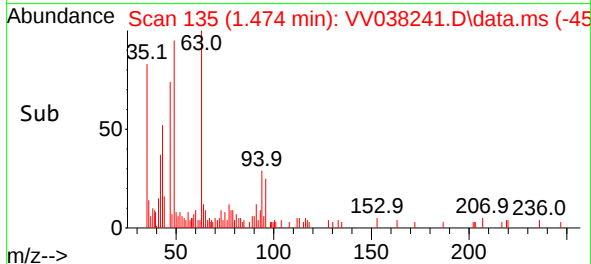
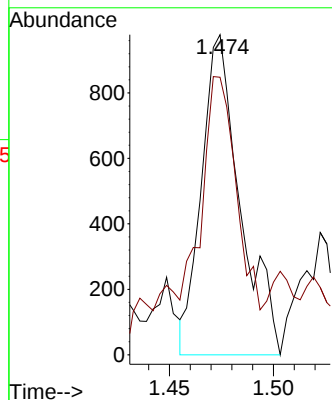
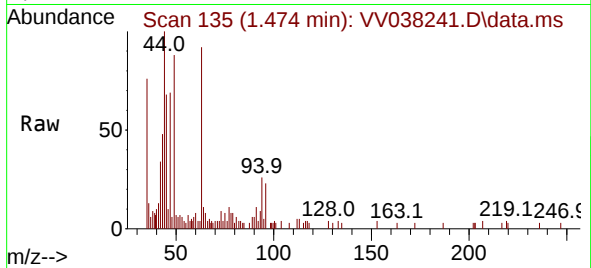




#6
Bromomethane
Concen: 0.300 ug/L
RT: 1.474 min Scan# 11
Delta R.T. -0.010 min
Lab File: VV038241.D
Acq: 21 Nov 2024 15:10

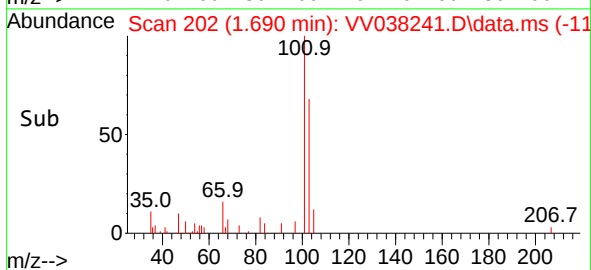
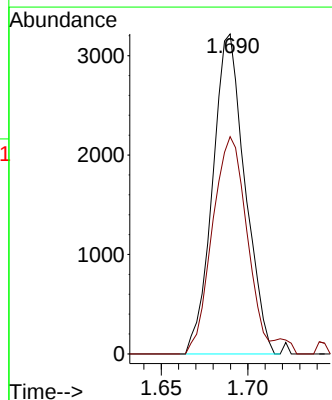
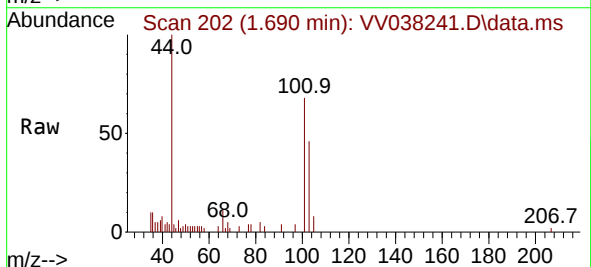
Instrument :
MSVOA_V
ClientSampleId :

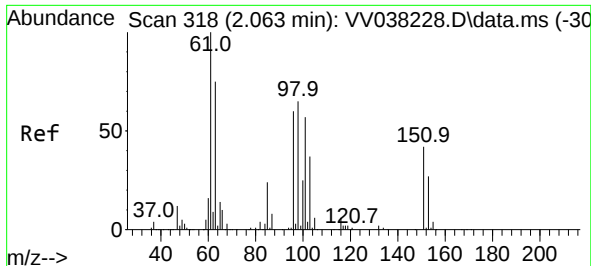
Tgt Ion: 94 Resp: 1265
Ion Ratio Lower Upper
94 100
96 86.7 63.7 118.3



#9
Trichlorofluoromethane
Concen: 0.271 ug/L
RT: 1.690 min Scan# 202
Delta R.T. -0.019 min
Lab File: VV038241.D
Acq: 21 Nov 2024 15:10

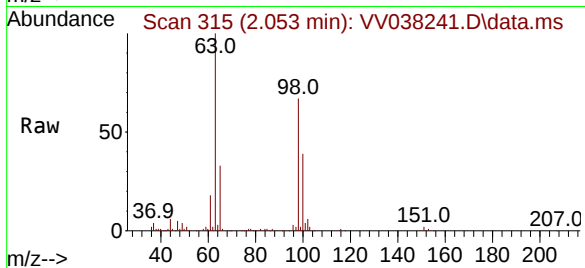
Tgt Ion: 101 Resp: 4182
Ion Ratio Lower Upper
101 100
103 72.8 51.5 77.3



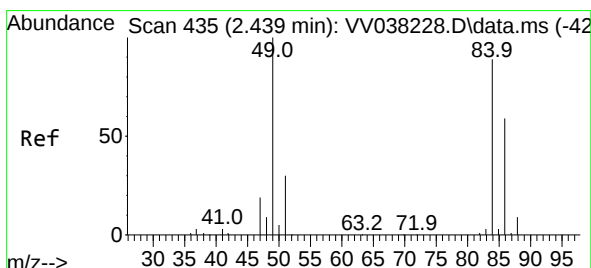
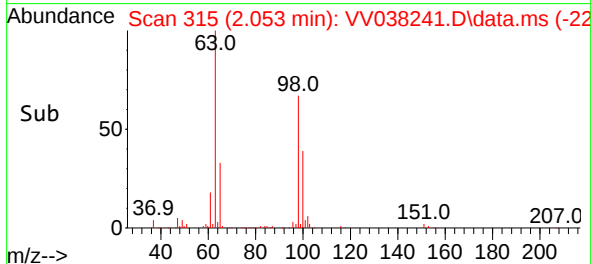
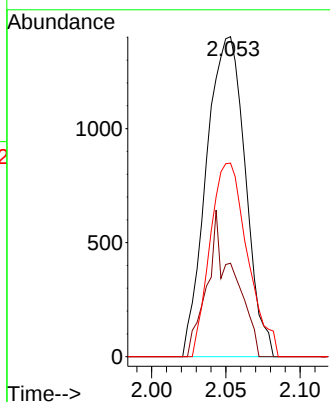


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.291 ug/L
RT: 2.053 min Scan# 318
Delta R.T. -0.010 min
Lab File: VV038241.D
Acq: 21 Nov 2024 15:10

Instrument :
MSVOA_V
ClientSampleId :

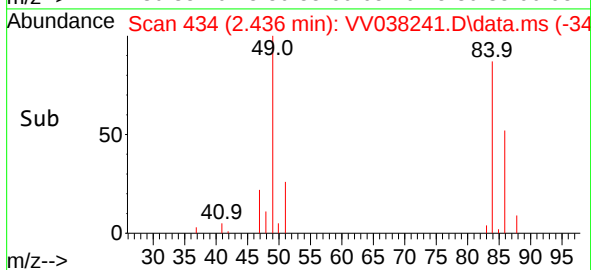
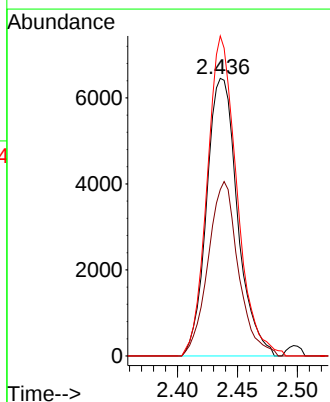
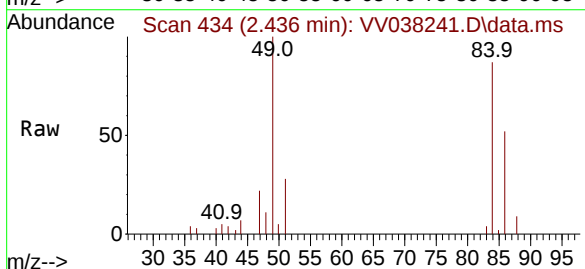


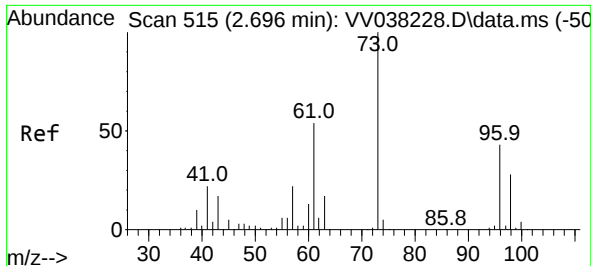
Tgt Ion:101 Resp: 2555
Ion Ratio Lower Upper
101 100
85 31.4 33.4 50.0#
151 58.2 58.8 88.2#



#16
Methylene chloride
Concen: 1.210 ug/L
RT: 2.436 min Scan# 434
Delta R.T. -0.003 min
Lab File: VV038241.D
Acq: 21 Nov 2024 15:10

Tgt Ion: 84 Resp: 11555
Ion Ratio Lower Upper
84 100
86 59.9 44.2 82.2
49 115.3 74.9 139.1





#17

Methyl tert-butyl Ether

Concen: 0.139 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.003 min

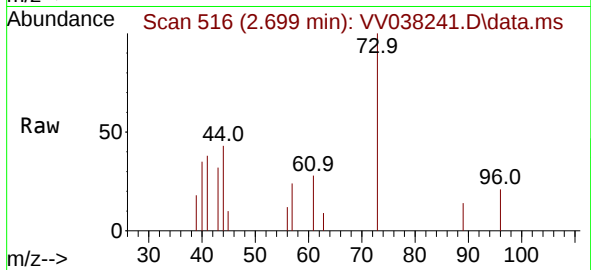
Lab File: VV038241.D

Acq: 21 Nov 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :



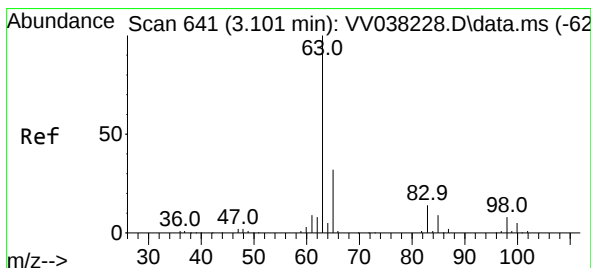
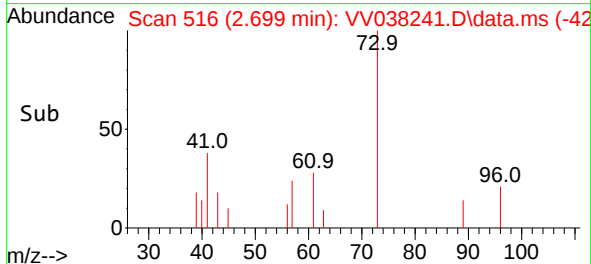
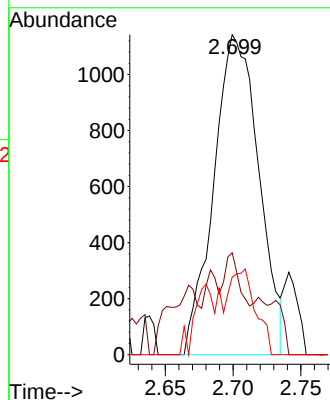
Tgt Ion: 73 Resp: 2639

Ion Ratio Lower Upper

73 100

43 0.0 14.2 21.2#

57 0.0 17.6 26.4#



#19

1,1-Dichloroethane

Concen: 0.195 ug/L

RT: 3.104 min Scan# 642

Delta R.T. 0.003 min

Lab File: VV038241.D

Acq: 21 Nov 2024 15:10

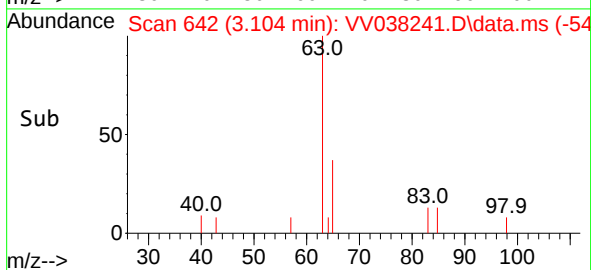
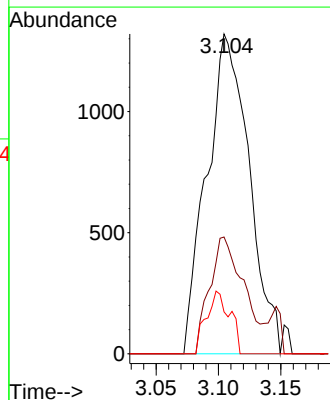
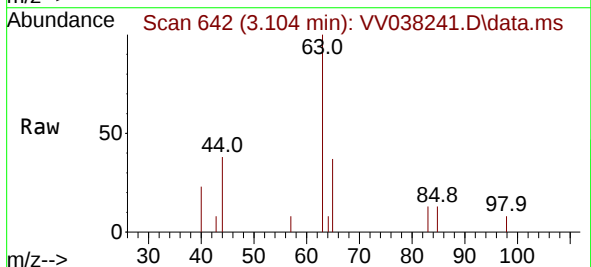
Tgt Ion: 63 Resp: 3120

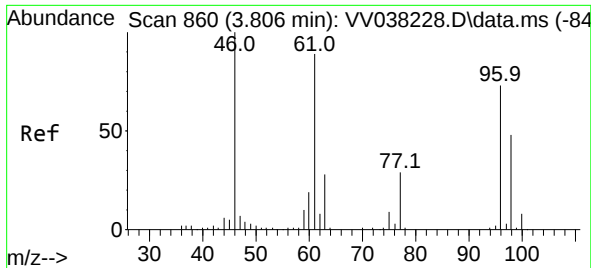
Ion Ratio Lower Upper

63 100

65 36.5 22.5 41.7

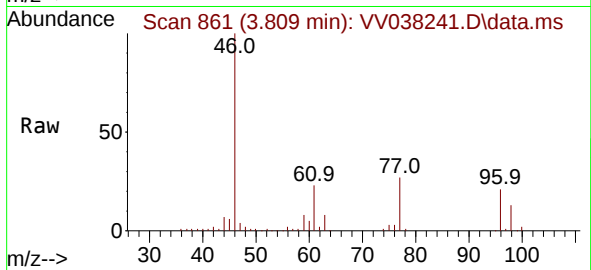
83 13.1 10.1 18.9





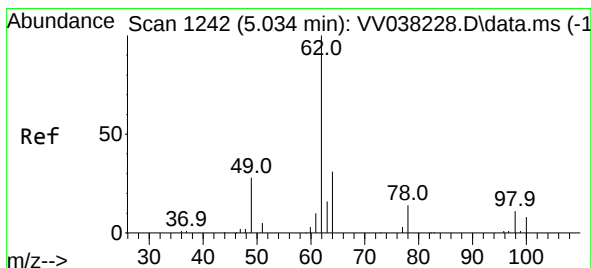
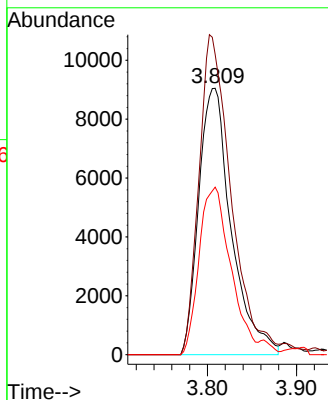
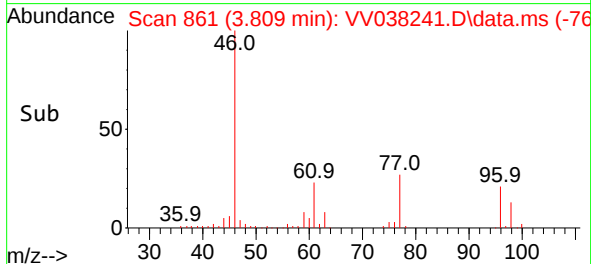
#22
 cis-1,2-Dichloroethene
 Concen: 2.518 ug/L
 RT: 3.809 min Scan# 861
 Delta R.T. 0.003 min
 Lab File: VV038241.D
 Acq: 21 Nov 2024 15:10

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 22975

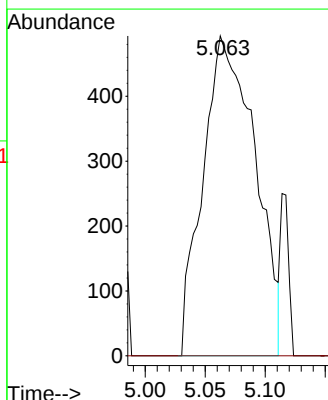
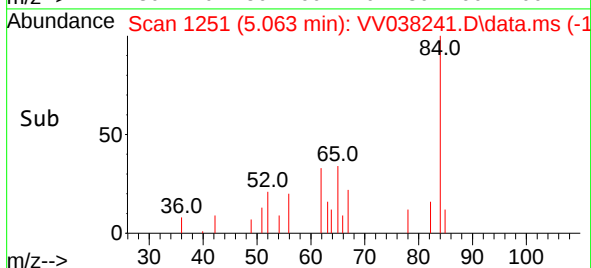
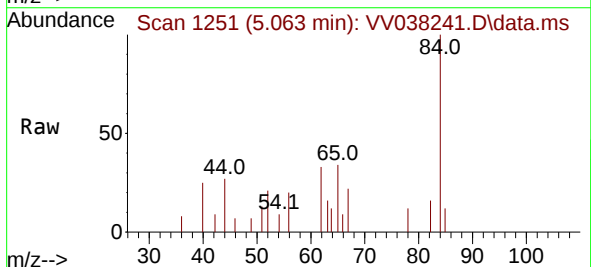
Ion	Ratio	Lower	Upper
96	100		
61	112.8	82.7	153.5
98	62.9	46.3	85.9

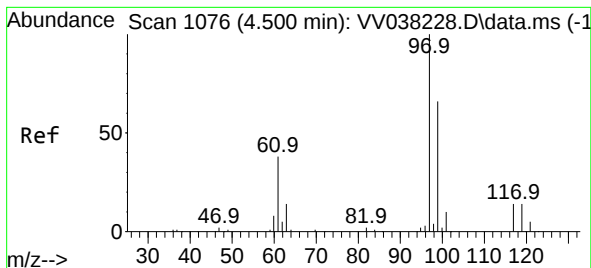


#27
 1,2-Dichloroethane
 Concen: 0.160 ug/L
 RT: 5.063 min Scan# 1251
 Delta R.T. 0.029 min
 Lab File: VV038241.D
 Acq: 21 Nov 2024 15:10

Tgt Ion: 62 Resp: 1489

Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.2	12.4#





#29

1,1,1-Trichloroethane

Concen: 0.839 ug/L

RT: 4.506 min Scan# 1076

Delta R.T. 0.006 min

Lab File: VV038241.D

Acq: 21 Nov 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :

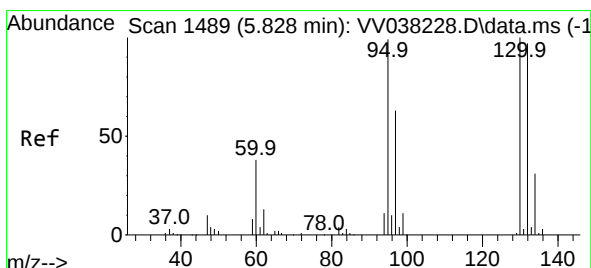
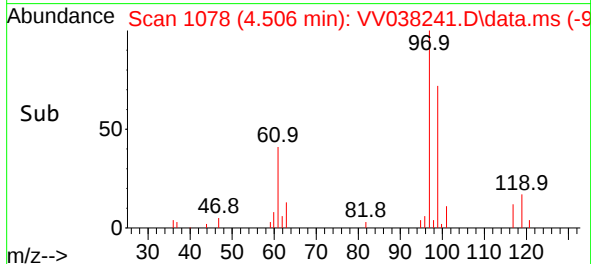
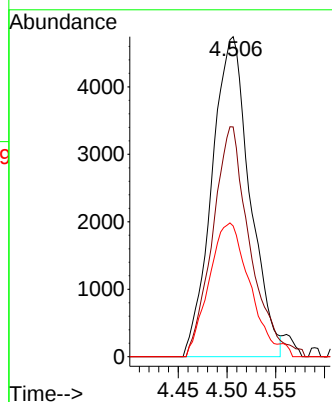
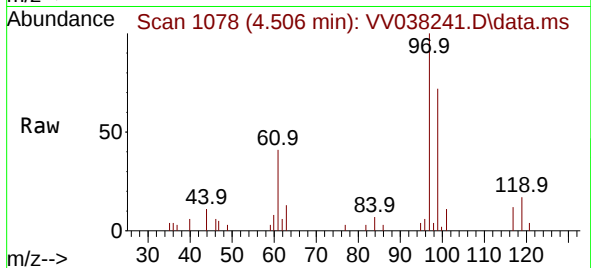
Tgt Ion: 97 Resp: 12879

Ion Ratio Lower Upper

97 100

99 70.5 51.8 77.8

61 45.3 32.2 48.2



#34

Trichloroethene

Concen: 17.486 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.003 min

Lab File: VV038241.D

Acq: 21 Nov 2024 15:10

Tgt Ion: 95 Resp: 171295

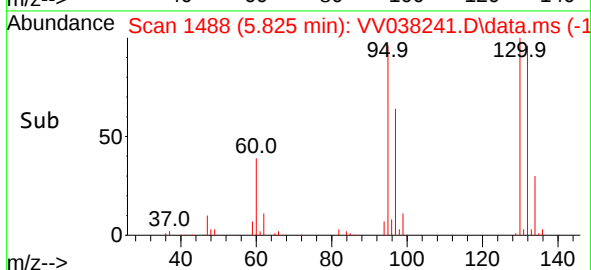
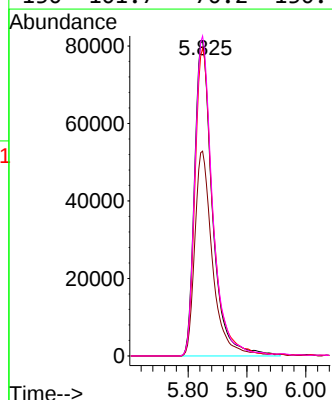
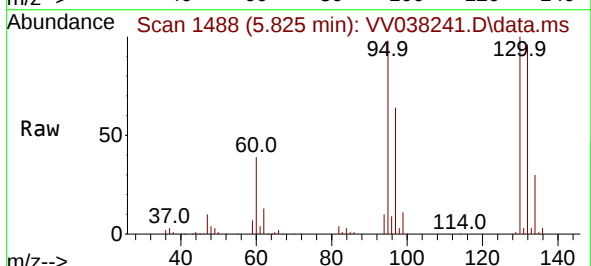
Ion Ratio Lower Upper

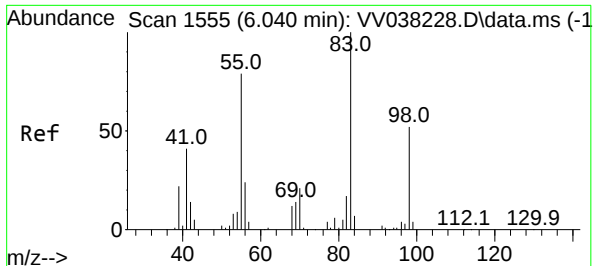
95 100

97 65.1 44.8 83.2

132 97.8 68.3 126.8

130 101.7 70.2 130.4

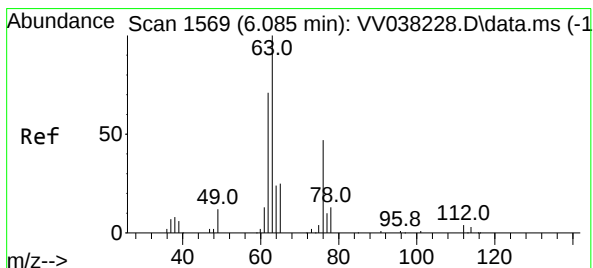
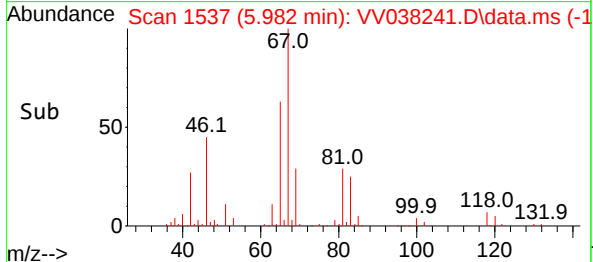
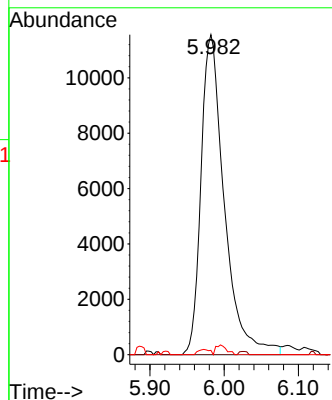
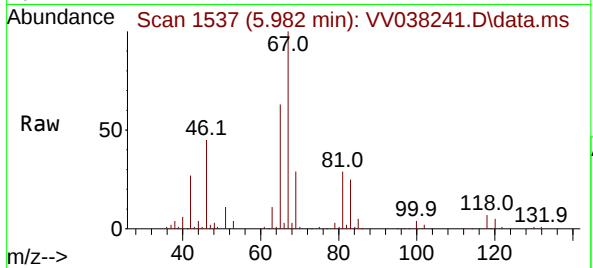




#35
Methylcyclohexane
Concen: 1.817 ug/L
RT: 5.982 min Scan# 1537
Delta R.T. -0.058 min
Lab File: VV038241.D
Acq: 21 Nov 2024 15:10

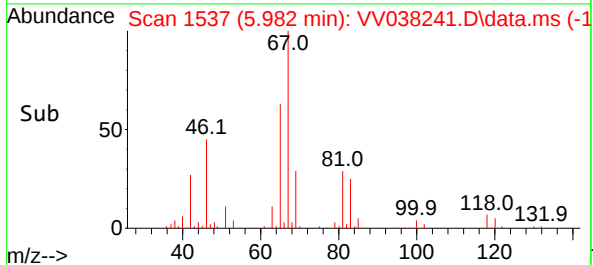
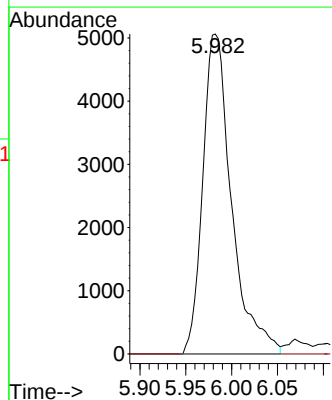
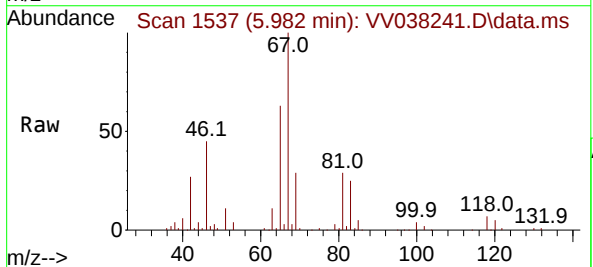
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ClientSampleId :

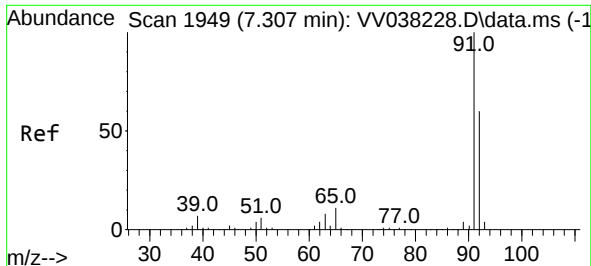
Tgt Ion: 83 Resp: 25182
Ion Ratio Lower Upper
83 100
55 0.0 59.7 89.5#
98 0.8 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 1.228 ug/L
RT: 5.982 min Scan# 1537
Delta R.T. -0.103 min
Lab File: VV038241.D
Acq: 21 Nov 2024 15:10

Tgt Ion: 63 Resp: 11056
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#





#42

Toluene

Concen: 0.230 ug/L

RT: 7.326 min Scan# 1949

Delta R.T. 0.019 min

Lab File: VV038241.D

Acq: 21 Nov 2024 15:10

Instrument :

MSVOA_V

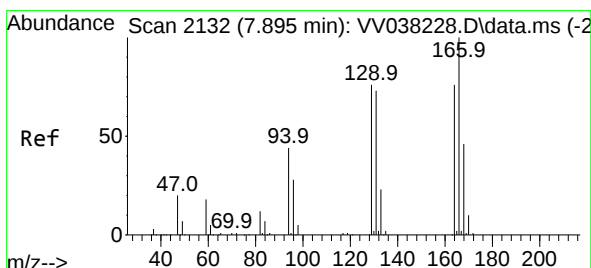
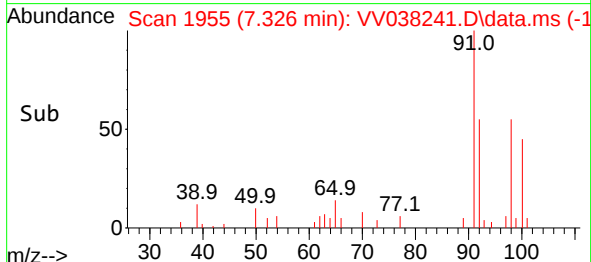
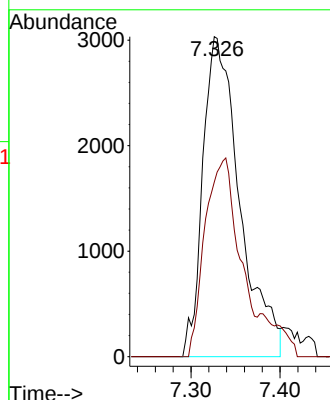
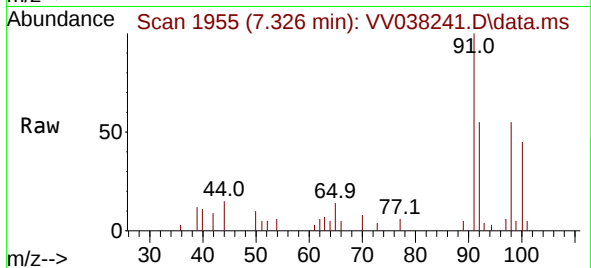
ClientSampleId :

Tgt Ion: 91 Resp: 8750

Ion Ratio Lower Upper

91 100

92 54.6 40.8 75.8



#47

Tetrachloroethene

Concen: 8.550 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. 0.003 min

Lab File: VV038241.D

Acq: 21 Nov 2024 15:10

Tgt Ion: 164 Resp: 67302

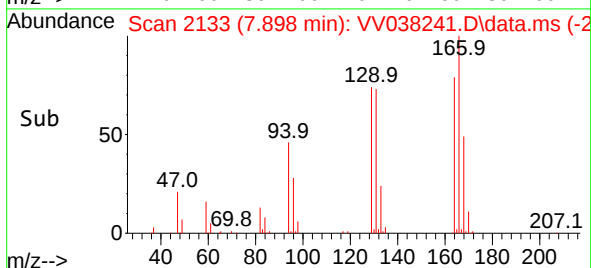
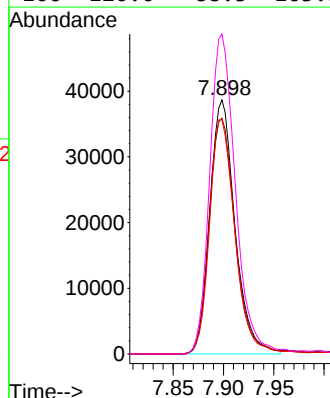
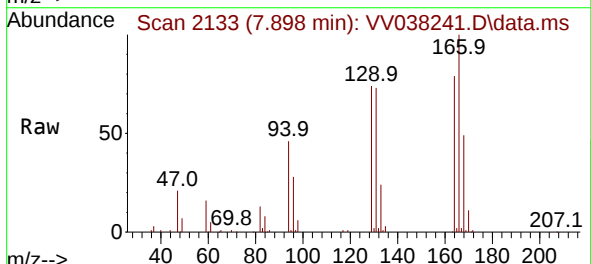
Ion Ratio Lower Upper

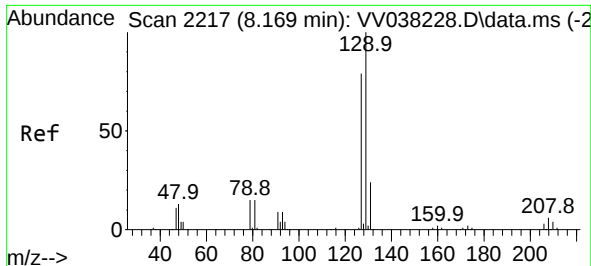
164 100

129 92.8 68.5 127.1

131 92.2 64.8 120.4

166 126.0 88.3 163.9





#49

Dibromochloromethane

Concen: 7.897 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. -0.270 min

Lab File: VV038241.D

Acq: 21 Nov 2024 15:10

Instrument :

MSVOA_V

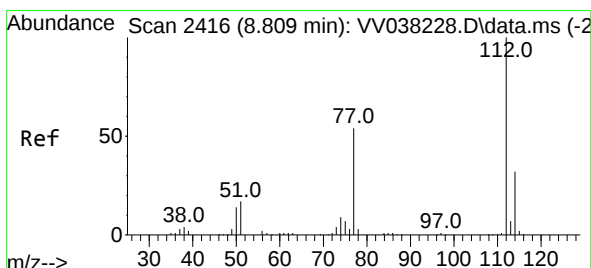
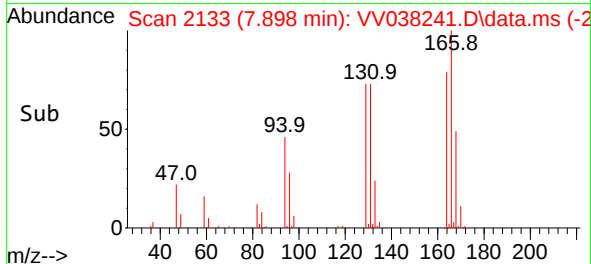
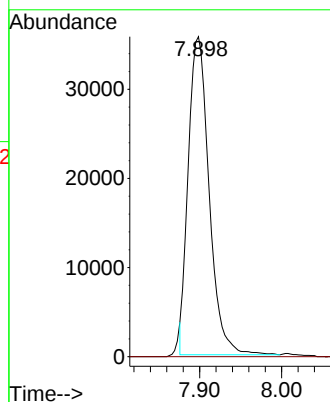
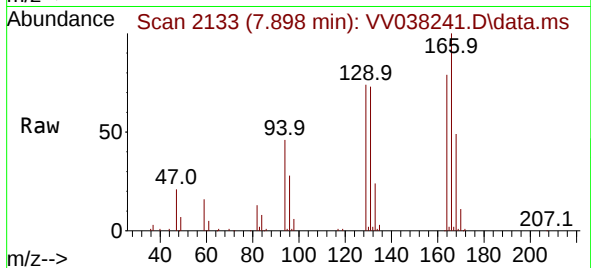
ClientSampleId :

Tgt Ion:129 Resp: 62856

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#51

Chlorobenzene

Concen: 0.246 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.006 min

Lab File: VV038241.D

Acq: 21 Nov 2024 15:10

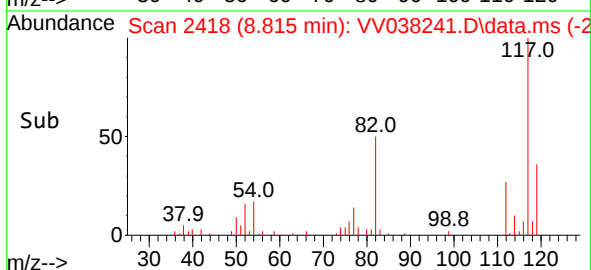
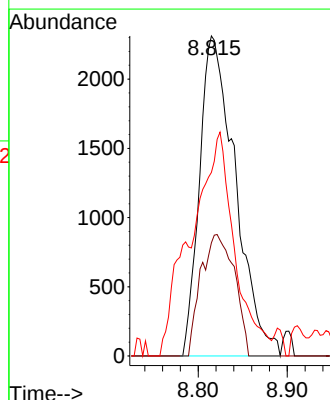
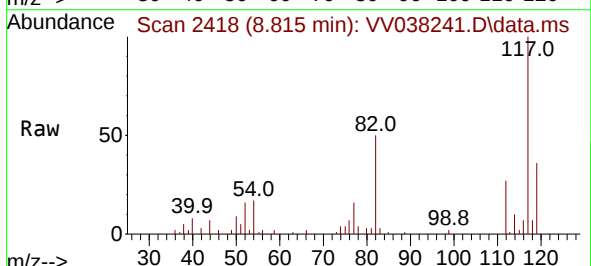
Tgt Ion:112 Resp: 6453

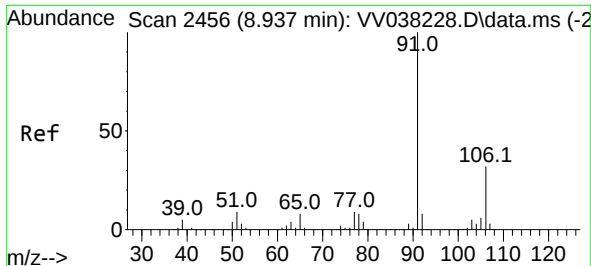
Ion Ratio Lower Upper

112 100

114 33.7 22.0 40.8

77 54.7 45.0 67.4

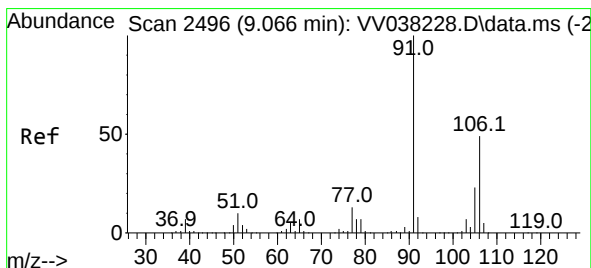
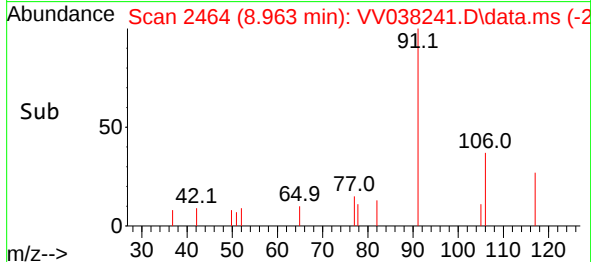
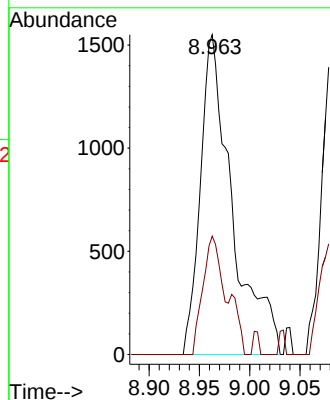
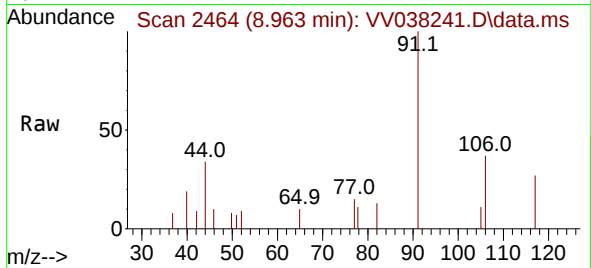




#52
Ethylbenzene
Concen: 0.084 ug/L
RT: 8.963 min Scan# 2456
Delta R.T. 0.026 min
Lab File: VV038241.D
Acq: 21 Nov 2024 15:10

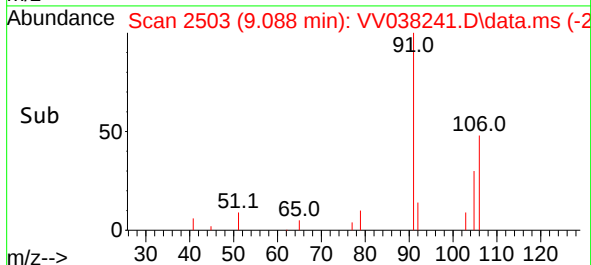
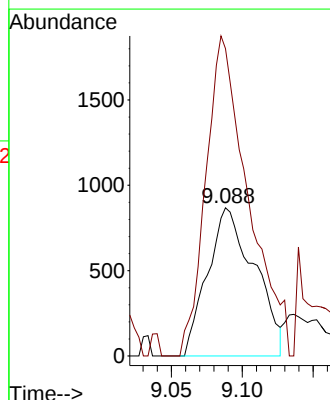
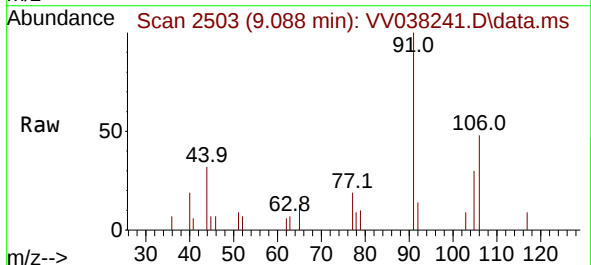
Instrument :
MSVOA_V
ClientSampleId :

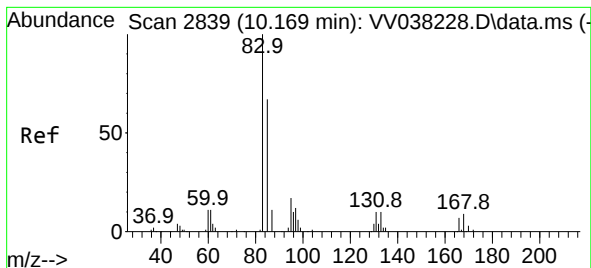
Tgt Ion: 91 Resp: 3411
Ion Ratio Lower Upper
91 100
106 37.0 21.8 40.4



#53
m,p-Xylene
Concen: 0.131 ug/L
RT: 9.088 min Scan# 2503
Delta R.T. 0.022 min
Lab File: VV038241.D
Acq: 21 Nov 2024 15:10

Tgt Ion: 106 Resp: 2003
Ion Ratio Lower Upper
106 100
91 207.5 138.7 257.5





#57

1,1,2,2-Tetrachloroethane

Concen: 0.167 ug/L

RT: 10.181 min Scan# 21

Delta R.T. 0.013 min

Lab File: VV038241.D

Acq: 21 Nov 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :

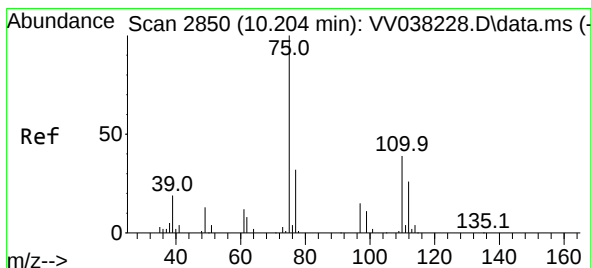
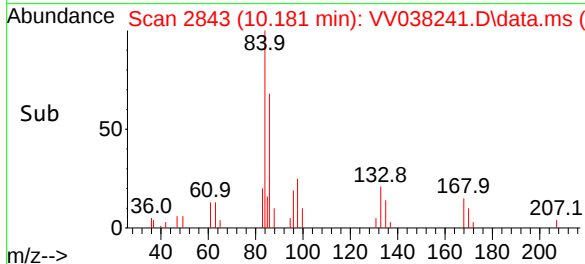
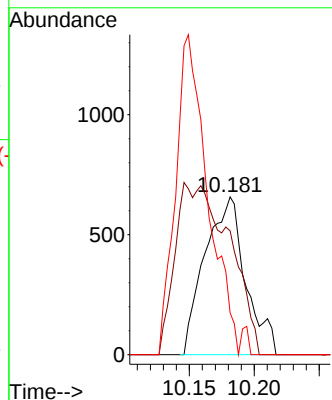
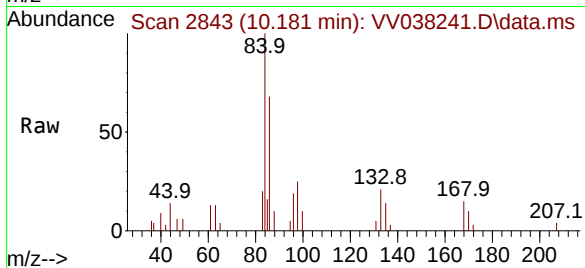
Tgt Ion: 83 Resp: 1428

Ion Ratio Lower Upper

83 100

85 78.5 45.7 84.9

131 26.5 8.2 12.4#



#61

1,2,3-Trichloropropane

Concen: 1.217 ug/L

RT: 11.181 min Scan# 3154

Delta R.T. 0.977 min

Lab File: VV038241.D

Acq: 21 Nov 2024 15:10

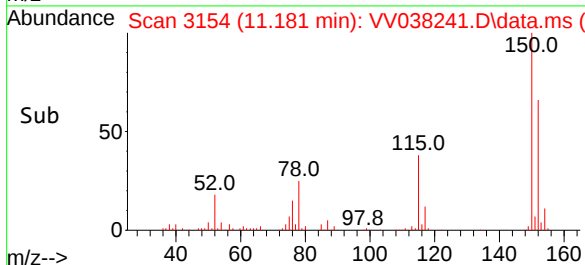
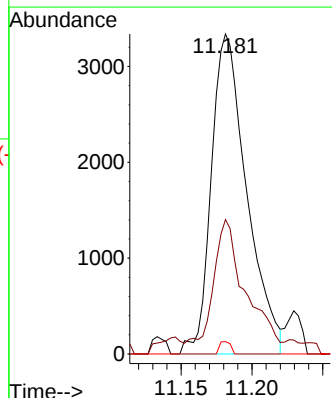
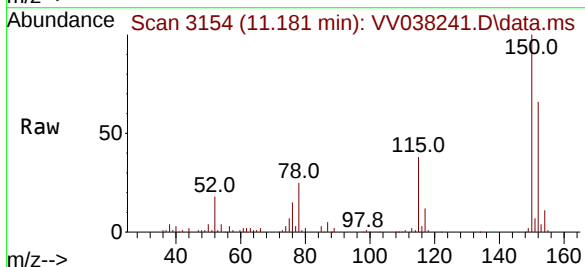
Tgt Ion: 75 Resp: 5806

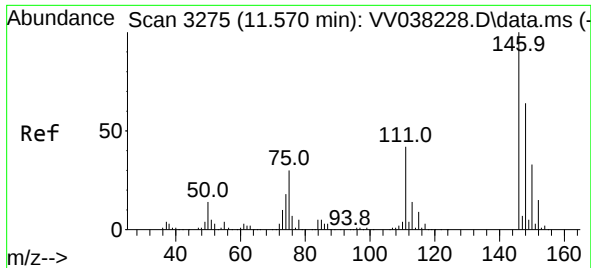
Ion Ratio Lower Upper

75 100

77 34.7 26.4 39.6

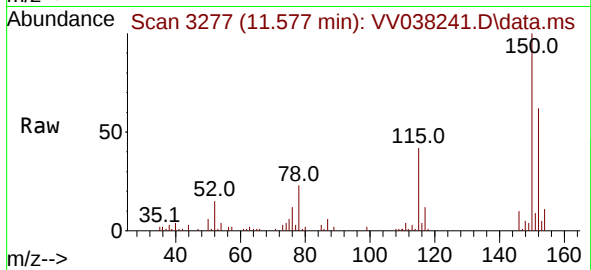
110 1.2 32.3 48.5#





#67
 1,2-Dichlorobenzene
 Concen: 0.204 ug/L
 RT: 11.577 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VV038241.D
 Acq: 21 Nov 2024 15:10

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	146	Resp:	3254
Ion	Ratio	Lower	Upper
146	100		
111	44.2	34.2	51.2
148	54.8	51.0	76.4

