

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW112224\
 Data File : VW038267.D
 Acq On : 22 Nov 2024 13:54
 Operator : SY/MD
 Sample : P4884-08
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 23 00:01:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 22 23:57:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	239821	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	254627	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	102331	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	67644	3.680	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.600%
7) Chloroethane-d5	1.529	69	68708	4.621	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.053	65	30680	3.878	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.600%
20) 2-Butanone-d5	3.780	46	159502	43.376	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.760%
24) Chloroform-d	4.239	84	165152	4.629	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	4.937	65	78993	4.935	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	4.950	84	280315	4.259	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
36) 1,2-Dichloropropane-d6	5.982	67	97159	4.798	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.236	98	208451	3.423	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.400%#
43) trans-1,3-Dichloroprop...	7.558	79	23598	3.134	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.600%
46) 2-Hexanone-d5	8.017	63	122279	41.782	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.560%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	79648	4.633	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	11.554	152	84640	4.855	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	1.709	101	10259	0.326	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	4866	0.271	ug/L	88
12) 1,1-Dichloroethene	2.059	96	3847	0.225	ug/L #	1
16) Methylene chloride	2.442	84	58879	3.014	ug/L	94
17) Methyl tert-butyl Ether	2.696	73	16301	0.421	ug/L	97
19) 1,1-Dichloroethane	3.108	63	31550	0.963	ug/L	96
22) cis-1,2-Dichloroethene	3.809	96	6805	0.365	ug/L	86
25) Chloroform	4.268	83	22472	0.641	ug/L	97
27) 1,2-Dichloroethane	5.059	62	3668	0.192	ug/L #	88
29) 1,1,1-Trichloroethane	4.503	97	44307	1.451	ug/L	98
31) Carbon tetrachloride	4.506	117	6110	0.227	ug/L	98
34) Trichloroethene	5.828	95	46338	2.377	ug/L	98
35) Methylcyclohexane	5.982	83	23303	0.845	ug/L #	19
37) 1,2-Dichloropropane	5.982	63	10327	0.576	ug/L #	86
42) Toluene	7.326	91	21640	0.286	ug/L	91
47) Tetrachloroethene	7.895	164	93867	5.991	ug/L	98
49) Dibromochloromethane	7.895	129	85082	5.371	ug/L #	11
51) Chlorobenzene	8.815	112	13518	0.259	ug/L	89
52) Ethylbenzene	8.956	91	5651	0.070	ug/L	96

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 22 23:57:44 2024
Response via : Initial Calibration

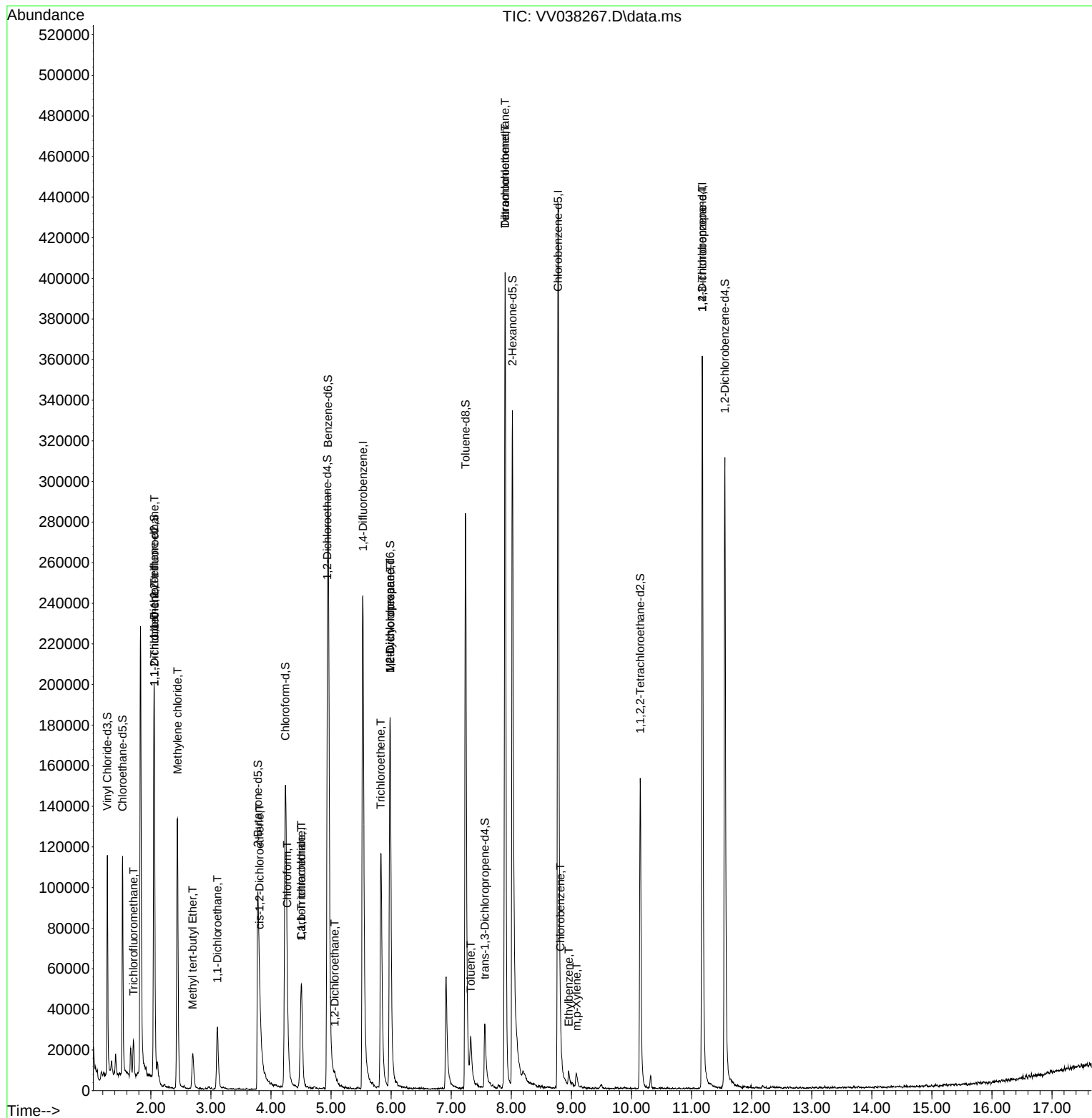
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.088	106	2667	0.088	ug/L	79
61) 1,2,3-Trichloropropane	11.178	75	12392	1.414	ug/L #	64

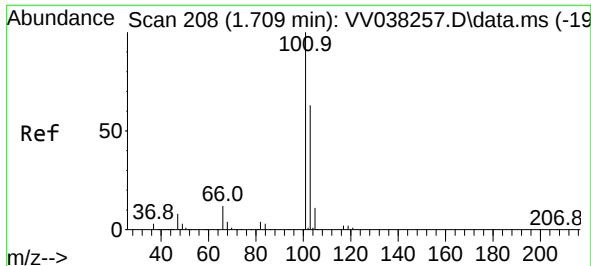
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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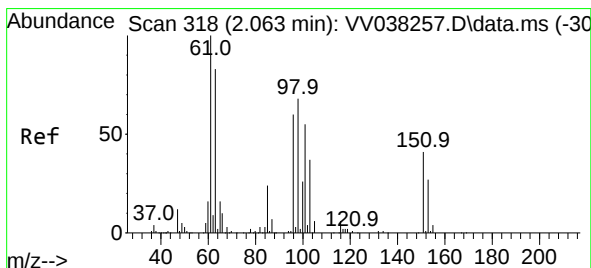
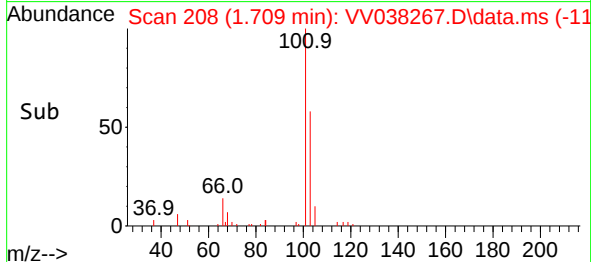
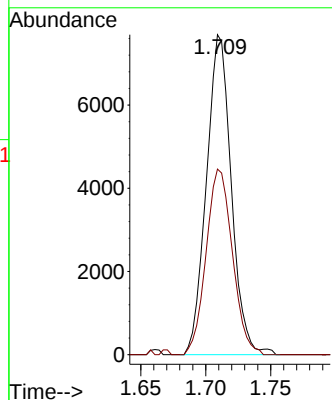
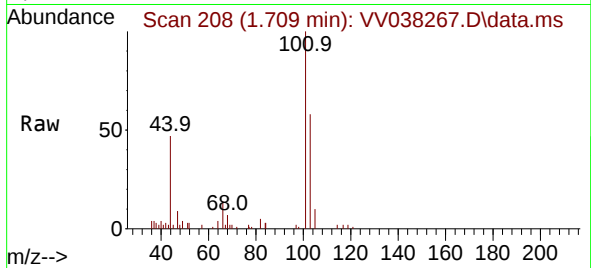




#9
 Trichlorofluoromethane
 Concen: 0.326 ug/L
 RT: 1.709 min Scan# 208
 Delta R.T. -0.000 min
 Lab File: VV038267.D
 Acq: 22 Nov 2024 13:54

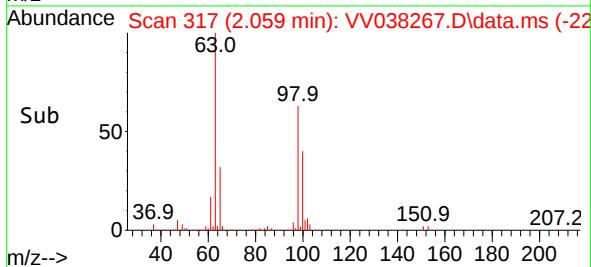
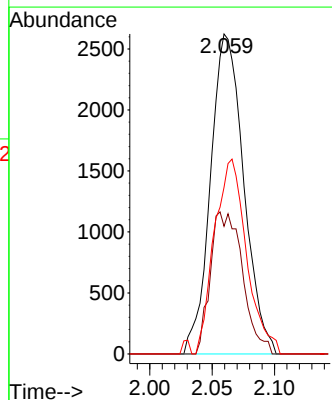
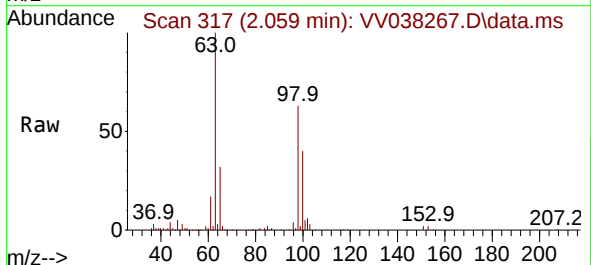
Instrument :
 MSVOA_V
 ClientSampleId :

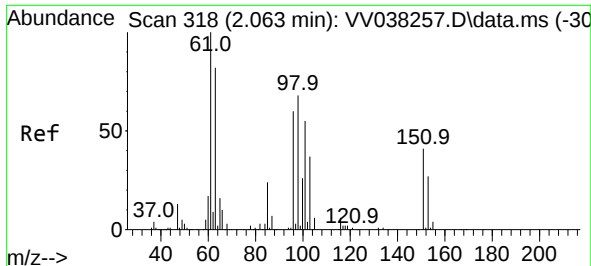
Tgt Ion:101 Resp: 10259
 Ion Ratio Lower Upper
 101 100
 103 61.3 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.271 ug/L
 RT: 2.059 min Scan# 317
 Delta R.T. -0.003 min
 Lab File: VV038267.D
 Acq: 22 Nov 2024 13:54

Tgt Ion:101 Resp: 4866
 Ion Ratio Lower Upper
 101 100
 85 42.9 33.4 50.0
 151 59.1 58.8 88.2





#12

1,1-Dichloroethene

Concen: 0.225 ug/L

RT: 2.059 min Scan# 318

Delta R.T. -0.003 min

Lab File: VV038267.D

Acq: 22 Nov 2024 13:54

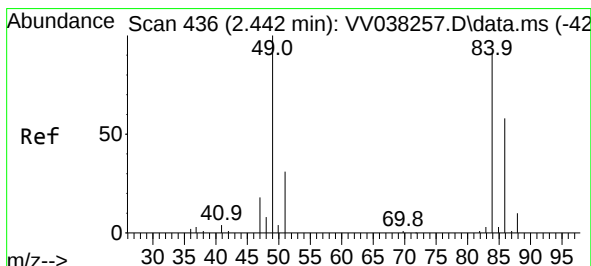
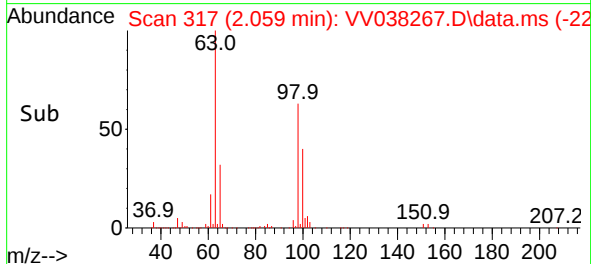
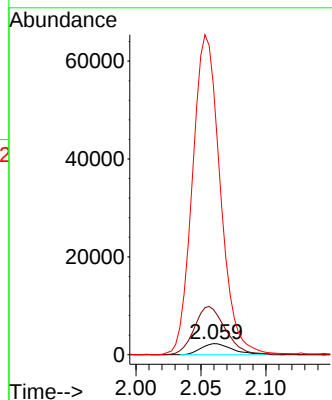
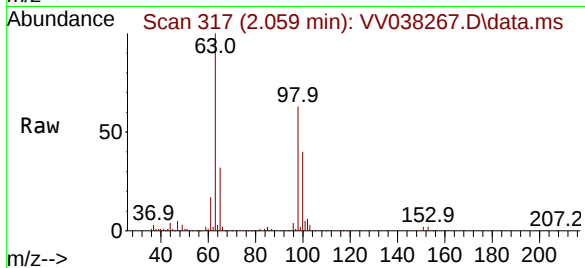
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 96 Resp: 3847

Ion	Ratio	Lower	Upper
96	100		
61	407.7	115.7	214.9#
63	2430.7	101.1	187.7#



#16

Methylene chloride

Concen: 3.014 ug/L

RT: 2.442 min Scan# 436

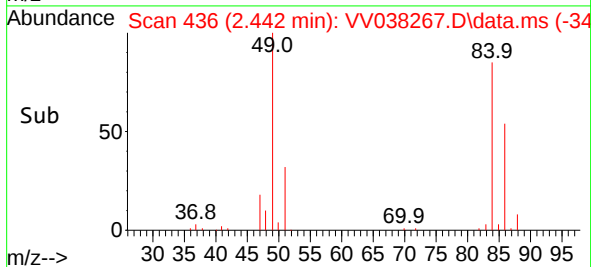
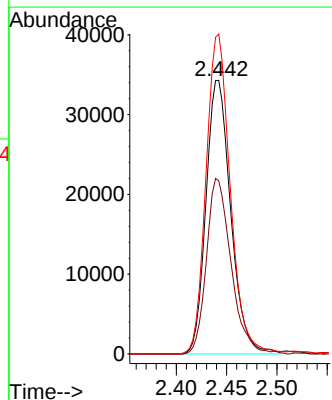
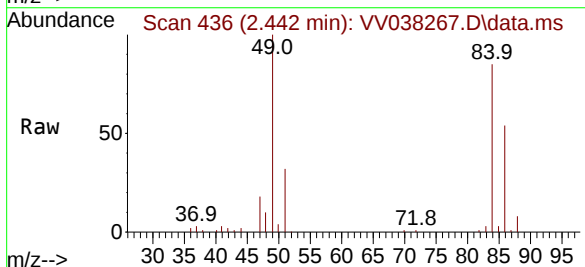
Delta R.T. -0.000 min

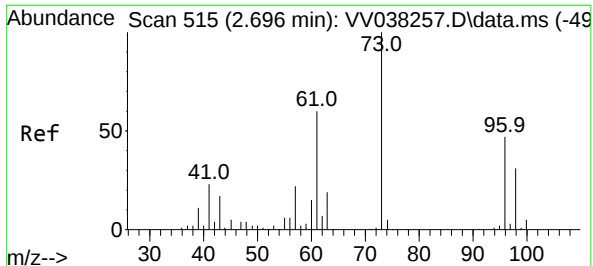
Lab File: VV038267.D

Acq: 22 Nov 2024 13:54

Tgt Ion: 84 Resp: 58879

Ion	Ratio	Lower	Upper
84	100		
86	63.3	44.2	82.2
49	117.0	74.9	139.1

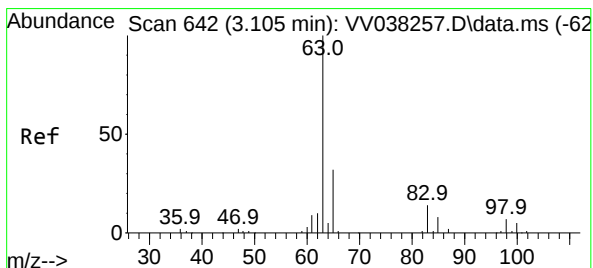
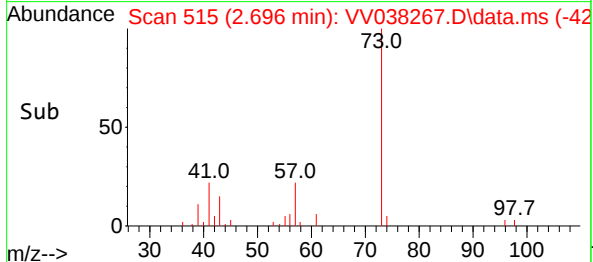
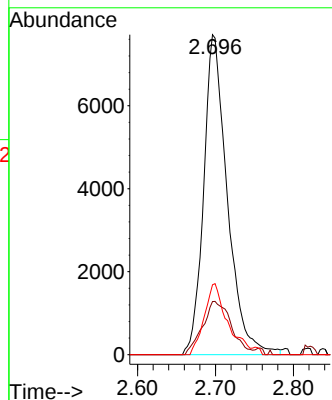
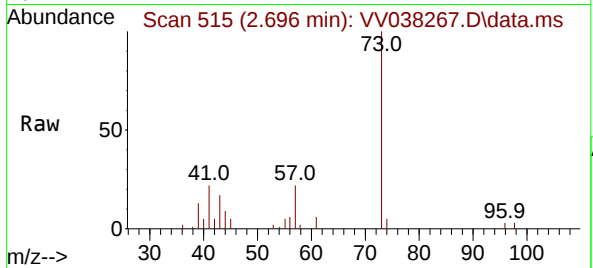




#17
Methyl tert-butyl Ether
Concen: 0.421 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV038267.D
Acq: 22 Nov 2024 13:54

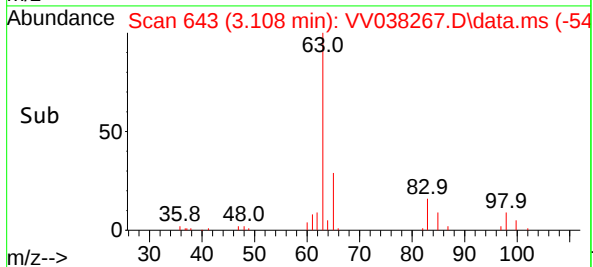
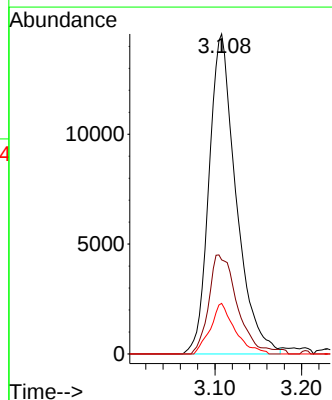
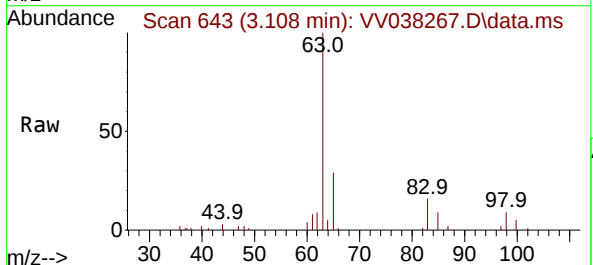
Instrument :
MSVOA_V
ClientSampleId :

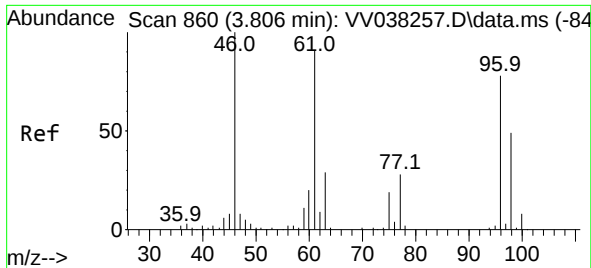
Tgt Ion: 73 Resp: 16301
Ion Ratio Lower Upper
73 100
43 20.2 14.2 21.2
57 21.7 17.6 26.4



#19
1,1-Dichloroethane
Concen: 0.963 ug/L
RT: 3.108 min Scan# 643
Delta R.T. 0.003 min
Lab File: VV038267.D
Acq: 22 Nov 2024 13:54

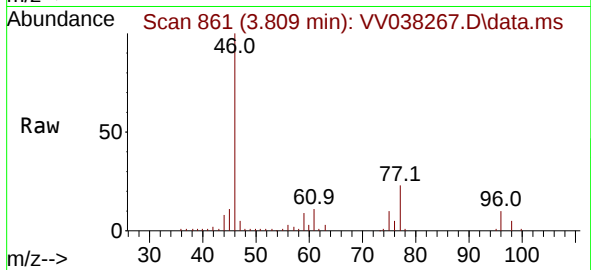
Tgt Ion: 63 Resp: 31550
Ion Ratio Lower Upper
63 100
65 29.4 22.5 41.7
83 15.8 10.1 18.9



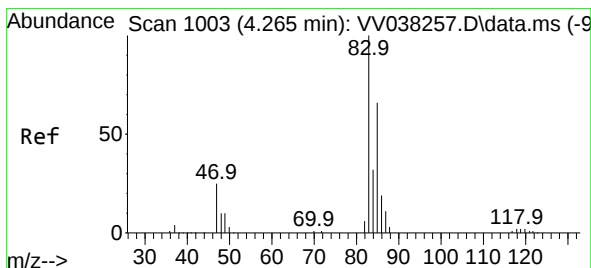
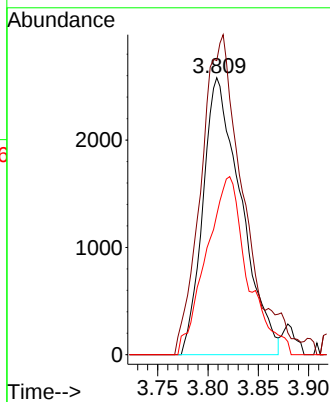
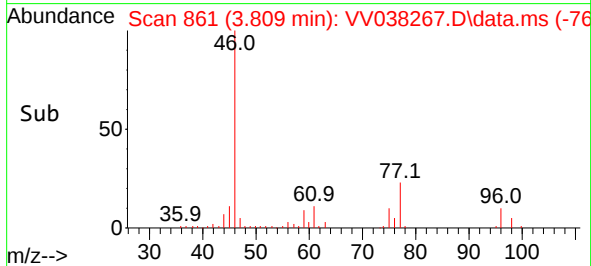


#22
cis-1,2-Dichloroethene
Concen: 0.365 ug/L
RT: 3.809 min Scan# 80
Delta R.T. 0.003 min
Lab File: VV038267.D
Acq: 22 Nov 2024 13:54

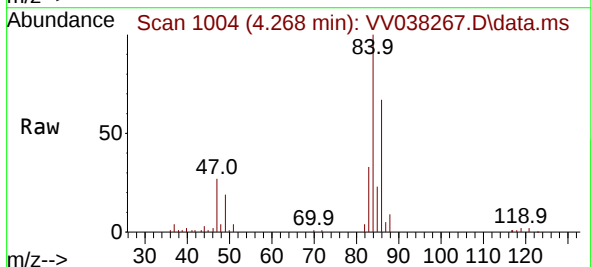
Instrument :
MSVOA_V
ClientSampleId :



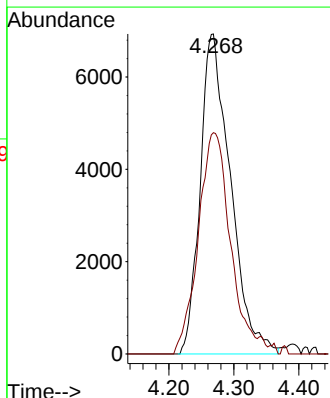
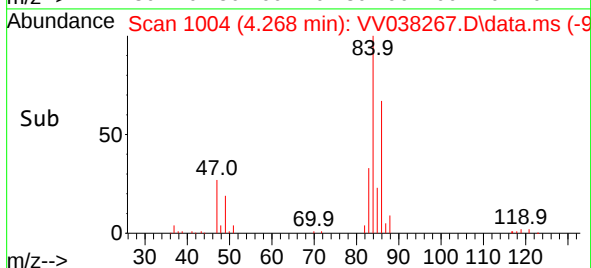
Tgt Ion: 96 Resp: 6805
Ion Ratio Lower Upper
96 100
61 106.2 82.7 153.5
98 50.5 46.3 85.9

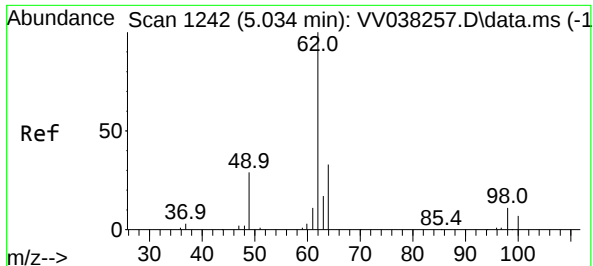


#25
Chloroform
Concen: 0.641 ug/L
RT: 4.268 min Scan# 1004
Delta R.T. 0.003 min
Lab File: VV038267.D
Acq: 22 Nov 2024 13:54



Tgt Ion: 83 Resp: 22472
Ion Ratio Lower Upper
83 100
85 69.2 46.5 86.3





#27

1,2-Dichloroethane

Concen: 0.192 ug/L

RT: 5.059 min Scan# 11

Delta R.T. 0.025 min

Lab File: VV038267.D

Acq: 22 Nov 2024 13:54

Instrument :

MSVOA_V

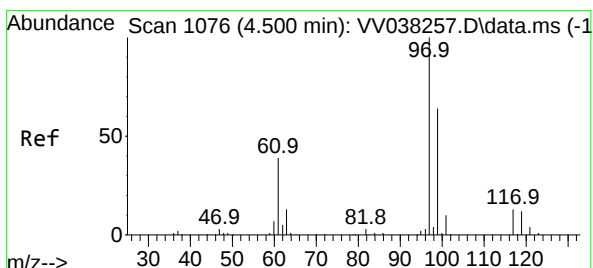
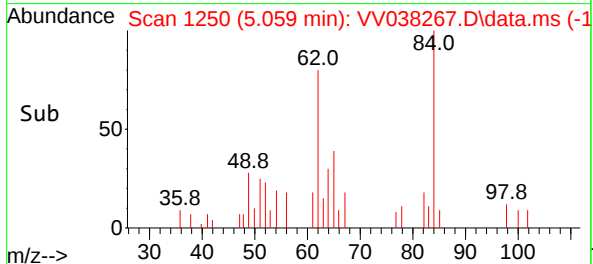
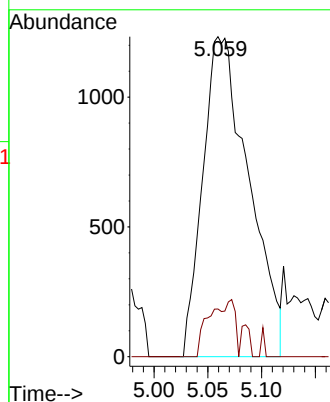
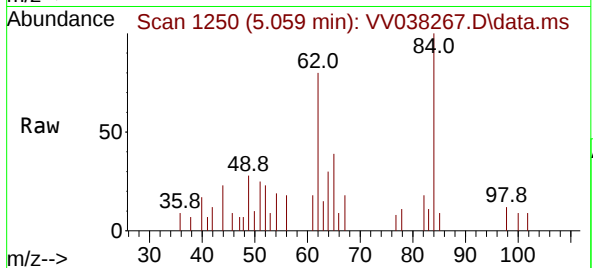
ClientSampleId :

Tgt Ion: 62 Resp: 3668

Ion Ratio Lower Upper

62 100

98 14.9 8.2 12.4#



#29

1,1,1-Trichloroethane

Concen: 1.451 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV038267.D

Acq: 22 Nov 2024 13:54

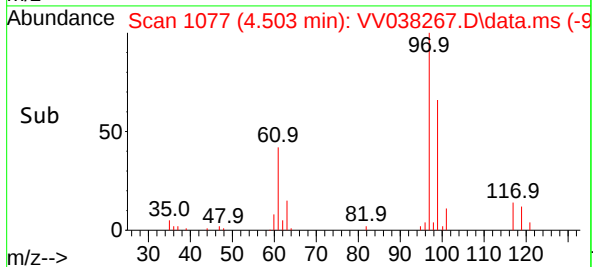
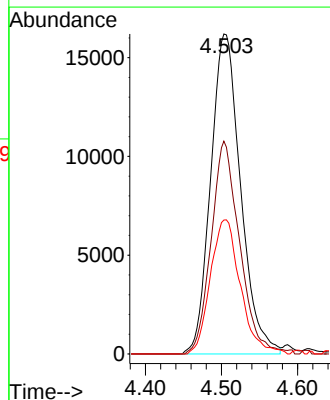
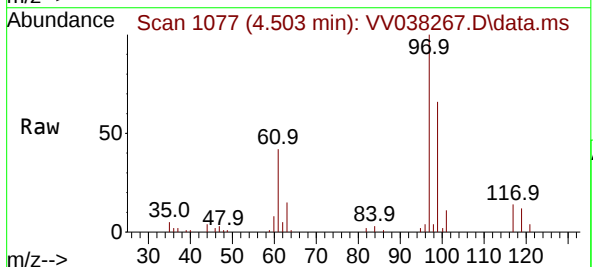
Tgt Ion: 97 Resp: 44307

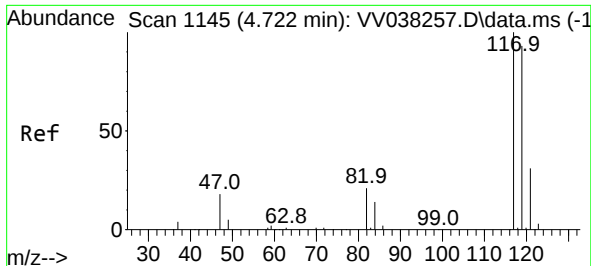
Ion Ratio Lower Upper

97 100

99 63.4 51.8 77.8

61 42.1 32.2 48.2

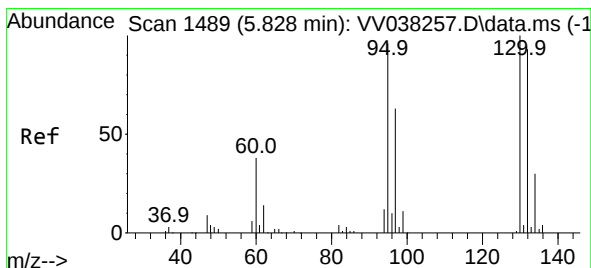
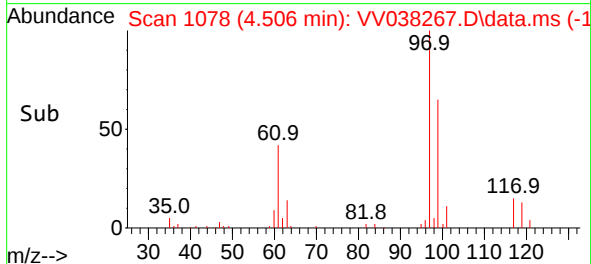
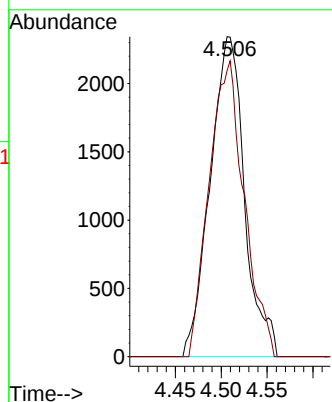
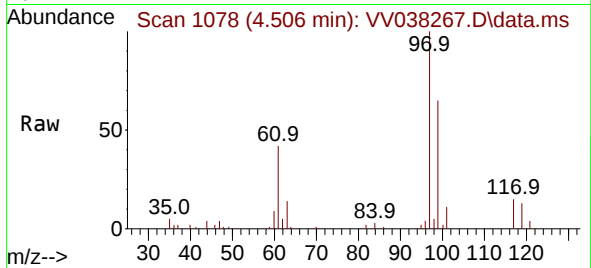




#31
Carbon tetrachloride
Concen: 0.227 ug/L
RT: 4.506 min Scan# 1145
Delta R.T. -0.216 min
Lab File: VV038267.D
Acq: 22 Nov 2024 13:54

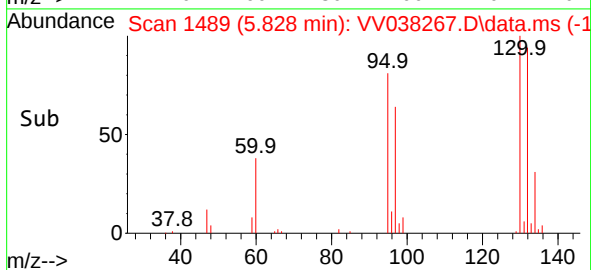
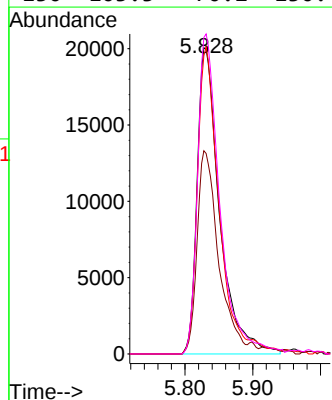
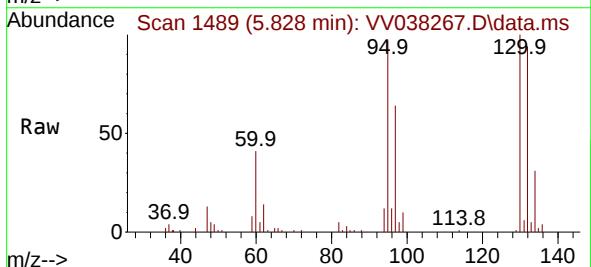
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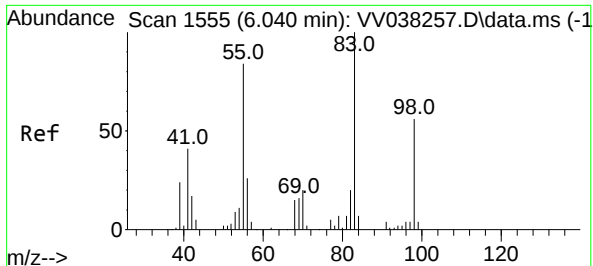
Tgt Ion:117 Resp: 6110
Ion Ratio Lower Upper
117 100
119 94.5 77.4 116.2



#34
Trichloroethene
Concen: 2.377 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VV038267.D
Acq: 22 Nov 2024 13:54

Tgt Ion: 95 Resp: 46338
Ion Ratio Lower Upper
95 100
97 66.4 44.8 83.2
132 97.4 68.3 126.8
130 103.3 70.2 130.4

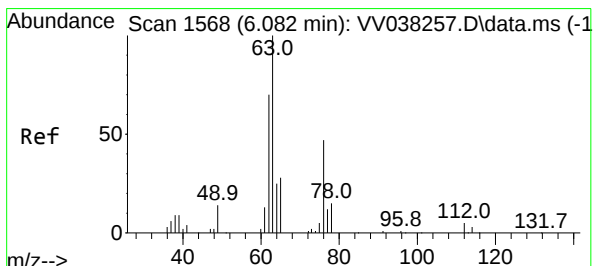
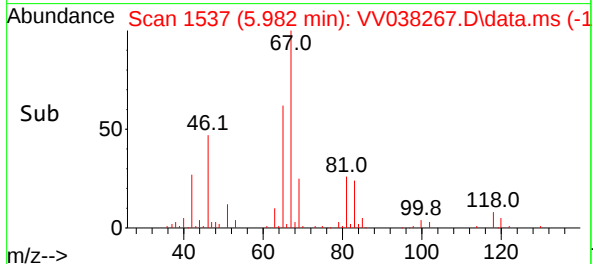
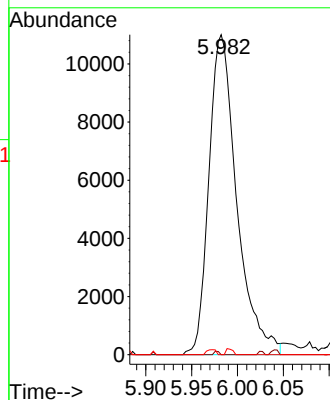
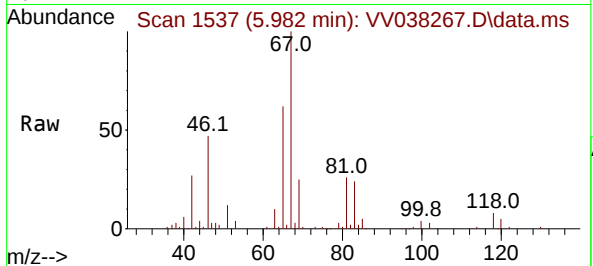




#35
Methylcyclohexane
Concen: 0.845 ug/L
RT: 5.982 min Scan# 1537
Delta R.T. -0.058 min
Lab File: VV038267.D
Acq: 22 Nov 2024 13:54

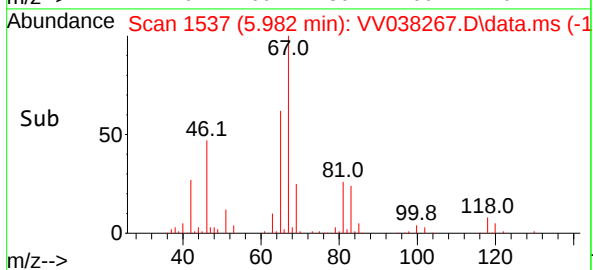
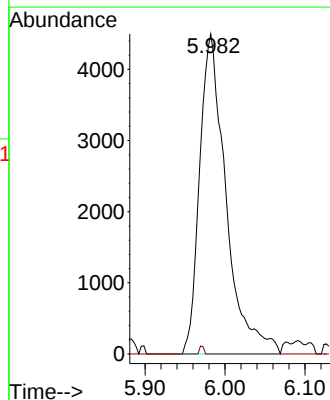
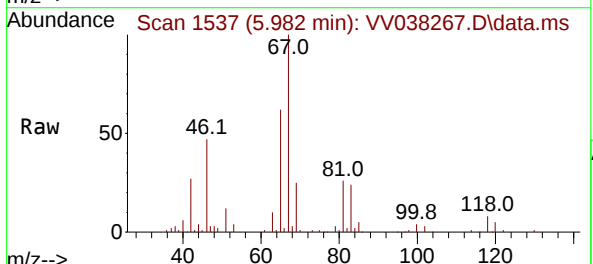
Instrument :
MSVOA_V
ClientSampleId :

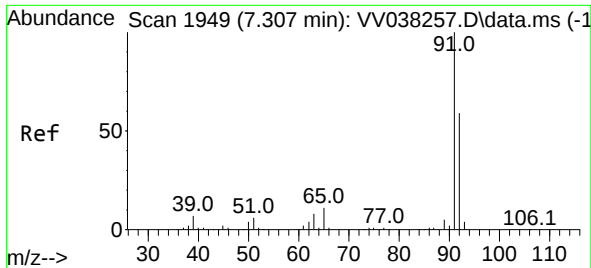
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.2	59.7	89.5#
98	0.5	39.0	58.4#



#37
1,2-Dichloropropane
Concen: 0.576 ug/L
RT: 5.982 min Scan# 1537
Delta R.T. -0.100 min
Lab File: VV038267.D
Acq: 22 Nov 2024 13:54

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.4	3.9	5.9#





#42

Toluene

Concen: 0.286 ug/L

RT: 7.326 min Scan# 1949

Delta R.T. 0.019 min

Lab File: VV038267.D

Acq: 22 Nov 2024 13:54

Instrument :

MSVOA_V

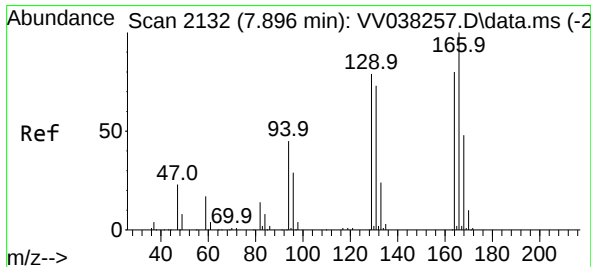
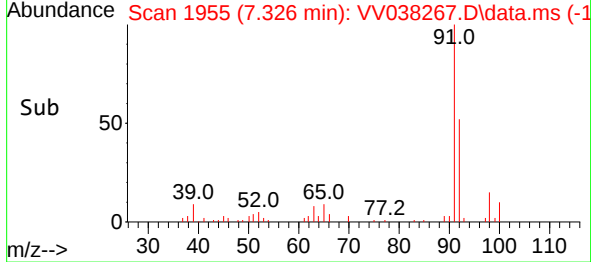
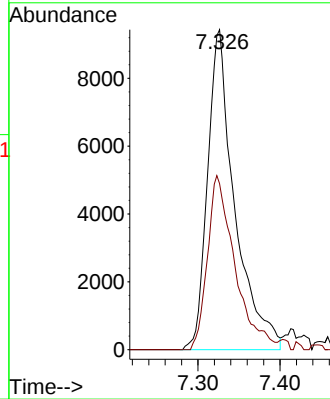
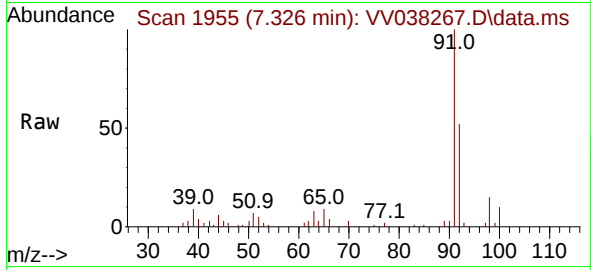
ClientSampleId :

Tgt Ion: 91 Resp: 21640

Ion Ratio Lower Upper

91 100

92 51.9 40.8 75.8



#47

Tetrachloroethene

Concen: 5.991 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.000 min

Lab File: VV038267.D

Acq: 22 Nov 2024 13:54

Tgt Ion: 164 Resp: 93867

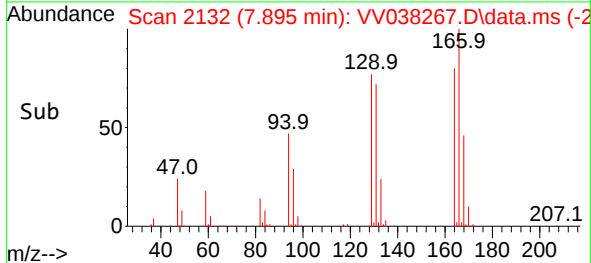
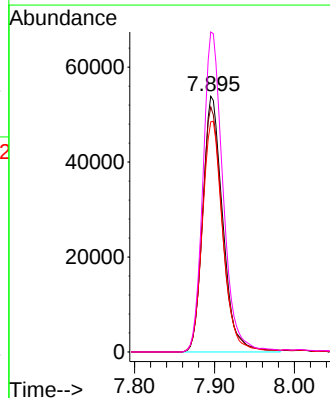
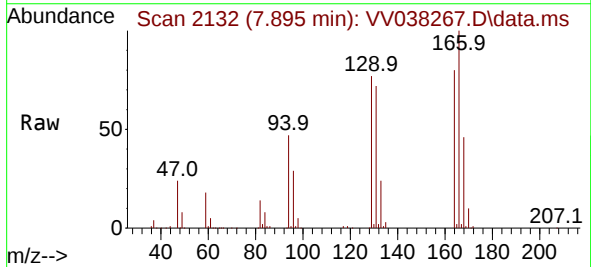
Ion Ratio Lower Upper

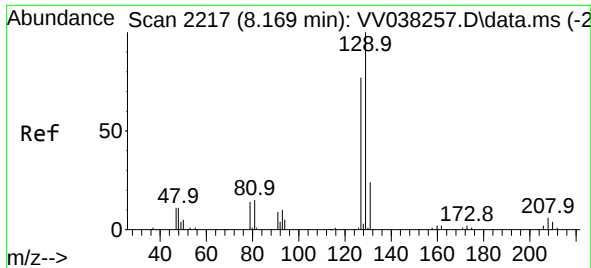
164 100

129 95.9 68.5 127.1

131 90.0 64.8 120.4

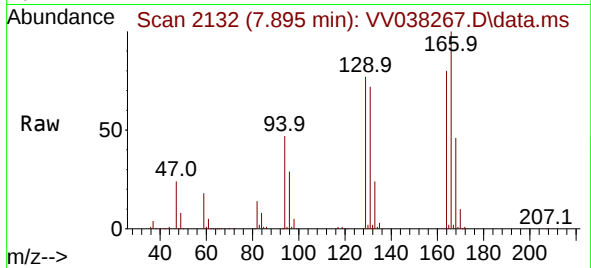
166 125.2 88.3 163.9



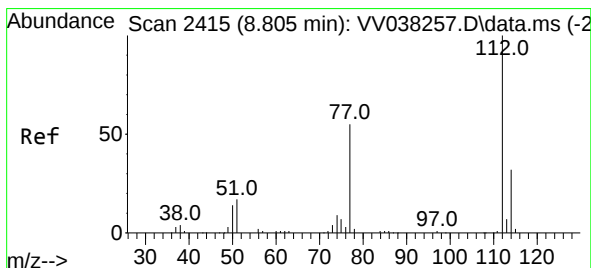
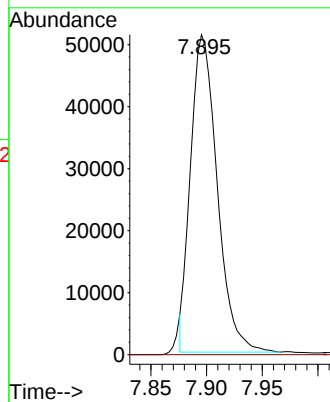
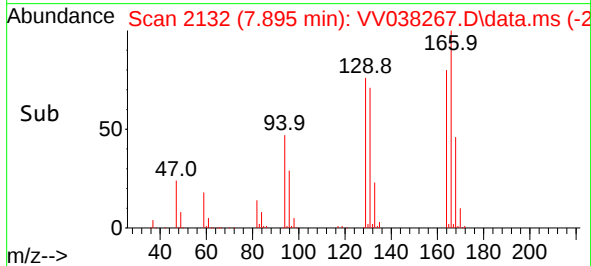


#49
Dibromochloromethane
Concen: 5.371 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.274 min
Lab File: VV038267.D
Acq: 22 Nov 2024 13:54

Instrument :
MSVOA_V
ClientSampleId :

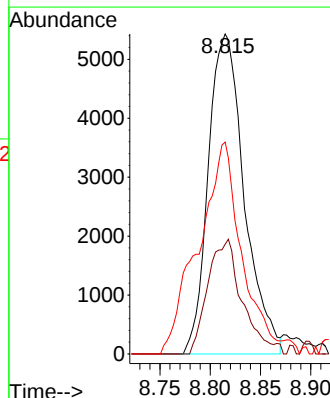
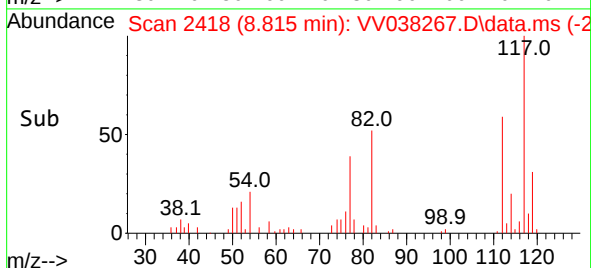
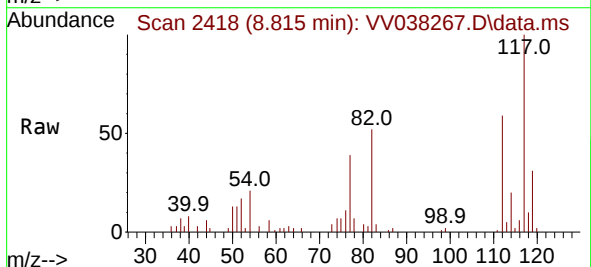


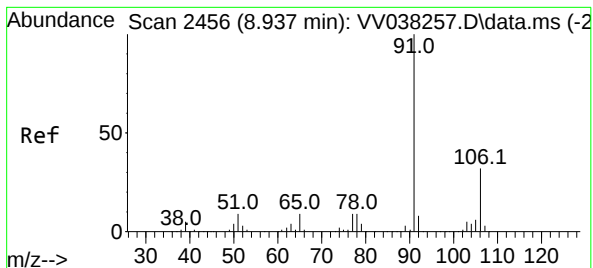
Tgt Ion:129 Resp: 85082
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#



#51
Chlorobenzene
Concen: 0.259 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.009 min
Lab File: VV038267.D
Acq: 22 Nov 2024 13:54

Tgt Ion:112 Resp: 13518
Ion Ratio Lower Upper
112 100
114 34.3 22.0 40.8
77 66.2 45.0 67.4





#52

Ethylbenzene

Concen: 0.070 ug/L

RT: 8.956 min Scan# 2456

Delta R.T. 0.019 min

Lab File: VV038267.D

Acq: 22 Nov 2024 13:54

Instrument :

MSVOA_V

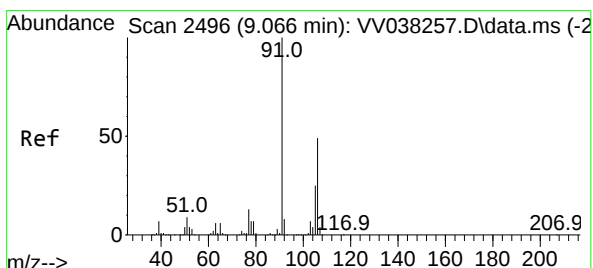
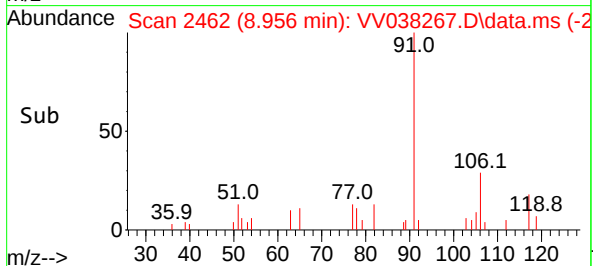
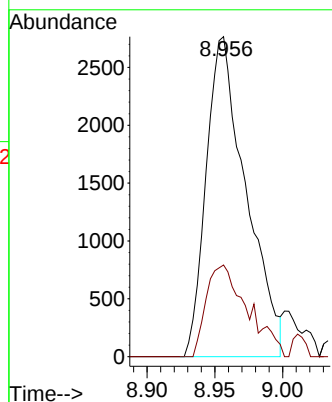
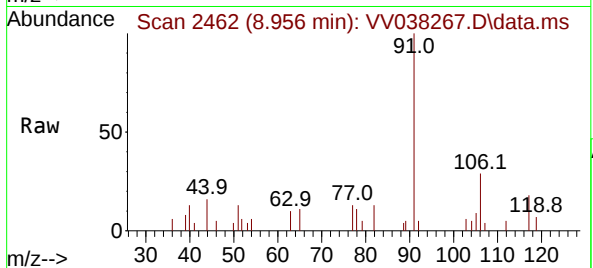
ClientSampleId :

Tgt Ion: 91 Resp: 5651

Ion Ratio Lower Upper

91 100

106 28.6 21.8 40.4



#53

m,p-Xylene

Concen: 0.088 ug/L

RT: 9.088 min Scan# 2503

Delta R.T. 0.022 min

Lab File: VV038267.D

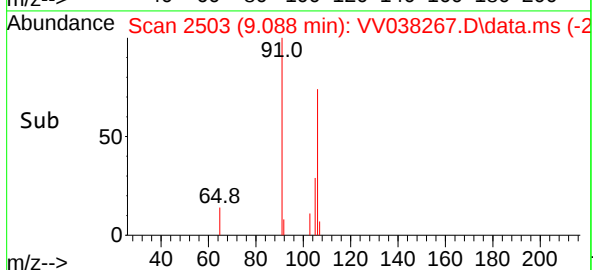
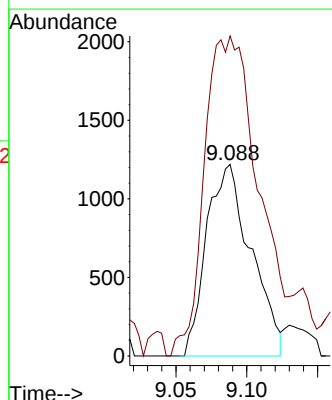
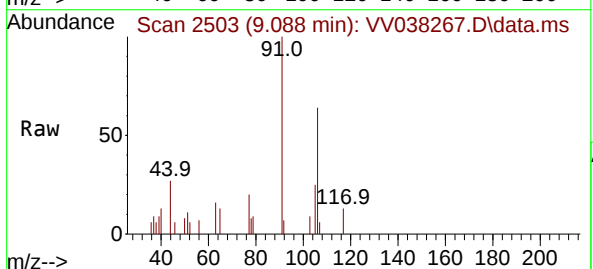
Acq: 22 Nov 2024 13:54

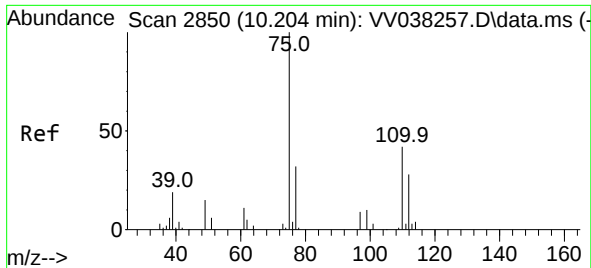
Tgt Ion: 106 Resp: 2667

Ion Ratio Lower Upper

106 100

91 167.1 138.7 257.5





#61

1,2,3-Trichloropropane

Concen: 1.414 ug/L

RT: 11.178 min Scan# 31

Delta R.T. 0.974 min

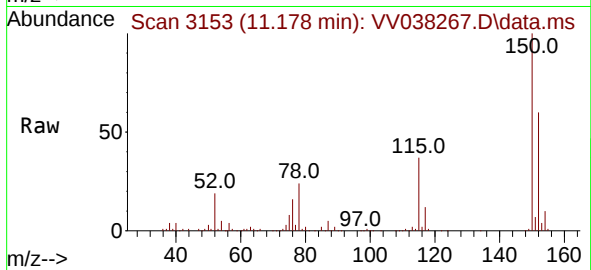
Lab File: VV038267.D

Acq: 22 Nov 2024 13:54

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 12392

Ion Ratio Lower Upper

75 100

77 34.4 26.4 39.6

110 1.5 32.3 48.5#

