

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW112624\
 Data File : VW038365.D
 Acq On : 26 Nov 2024 15:28
 Operator : SY/MD
 Sample : P4930-02
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 00:22:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 27 00:19:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	205439	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	229605	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	92979	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	49967	3.173	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.400%
7) Chloroethane-d5	1.529	69	57282	4.497	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.053	65	24673	3.641	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.800%
20) 2-Butanone-d5	3.789	46	193040	61.282	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.560%
24) Chloroform-d	4.243	84	149510	4.892	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	4.937	65	75000	5.470	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.400%
32) Benzene-d6	4.953	84	241935	4.077	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
36) 1,2-Dichloropropane-d6	5.982	67	90217	4.941	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.239	98	177489	3.232	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.600%#
43) trans-1,3-Dichloroprop...	7.558	79	26610	3.920	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.400%
46) 2-Hexanone-d5	8.021	63	141847	53.750	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.500%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	79527	5.130	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.600%
66) 1,2-Dichlorobenzene-d4	11.554	152	77713	4.906	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.104	85	3557	0.183	ug/L	91
9) Trichlorofluoromethane	1.709	101	6594	0.244	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	13637	0.885	ug/L	96
12) 1,1-Dichloroethene	2.063	96	50494	3.441	ug/L	97
15) Methyl Acetate	2.265	43	20905	3.695	ug/L #	47
16) Methylene chloride	2.442	84	41377	2.473	ug/L	97
19) 1,1-Dichloroethane	3.108	63	16367	0.583	ug/L	92
22) cis-1,2-Dichloroethene	3.805	96	67902	4.248	ug/L	98
25) Chloroform	4.268	83	33192	1.106	ug/L	93
27) 1,2-Dichloroethane	5.056	62	7460	0.457	ug/L	99
29) 1,1,1-Trichloroethane	4.503	97	34537	1.254	ug/L	97
31) Carbon tetrachloride	4.731	117	8002	0.329	ug/L	99
34) Trichloroethene	5.825	95	334682	19.036	ug/L	99
35) Methylcyclohexane	5.982	83	22933	0.922	ug/L #	20
42) Toluene	7.329	91	16486	0.241	ug/L	93
47) Tetrachloroethene	7.898	164	122185	8.649	ug/L	98
49) Dibromochloromethane	7.895	129	114312	8.003	ug/L #	11
51) Chlorobenzene	8.812	112	11163	0.237	ug/L	94
53) m,p-Xylene	9.088	106	2315	0.085	ug/L	98

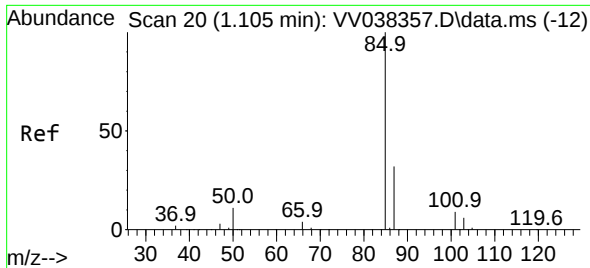
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112624\
Data File : VV038365.D
Acq On : 26 Nov 2024 15:28
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Quant Time: Nov 27 00:22:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 27 00:19:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	10.175	83	2683	0.175	ug/L #	86
61) 1,2,3-Trichloropropane	11.181	75	10484	1.317	ug/L #	66

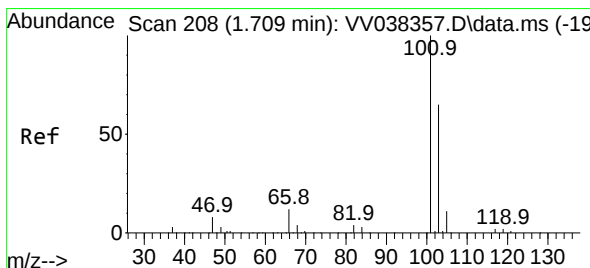
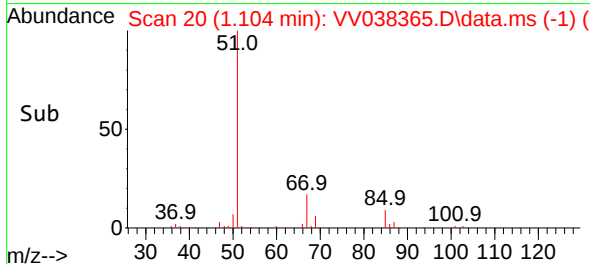
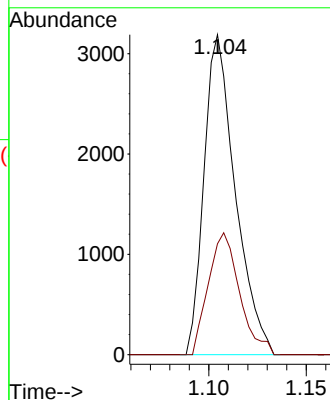
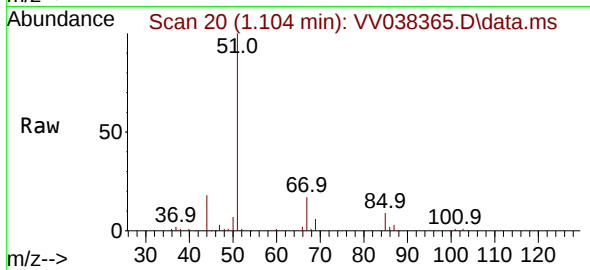
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.183 ug/L
 RT: 1.104 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV038365.D
 Acq: 26 Nov 2024 15:28

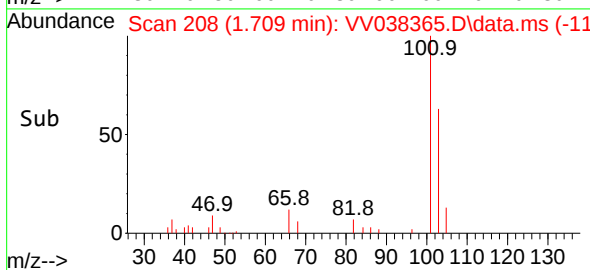
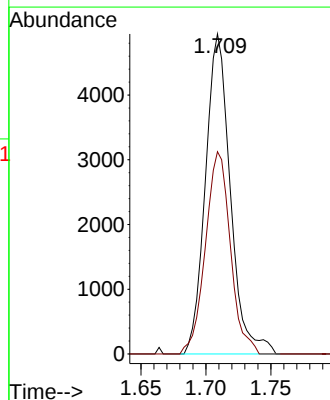
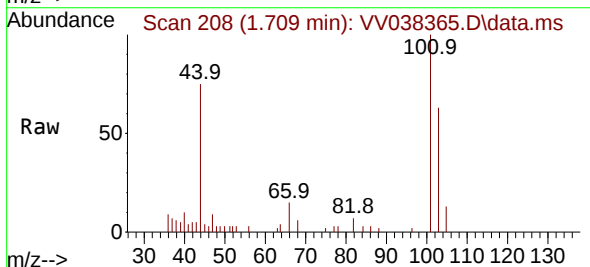
Instrument :
 MSVOA_V
 ClientSampleId :

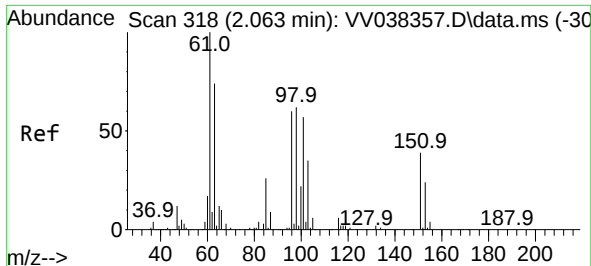
Tgt Ion: 85 Resp: 3557
 Ion Ratio Lower Upper
 85 100
 87 38.1 26.5 39.7



#9
 Trichlorofluoromethane
 Concen: 0.244 ug/L
 RT: 1.709 min Scan# 208
 Delta R.T. -0.000 min
 Lab File: VV038365.D
 Acq: 26 Nov 2024 15:28

Tgt Ion:101 Resp: 6594
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.5 77.3

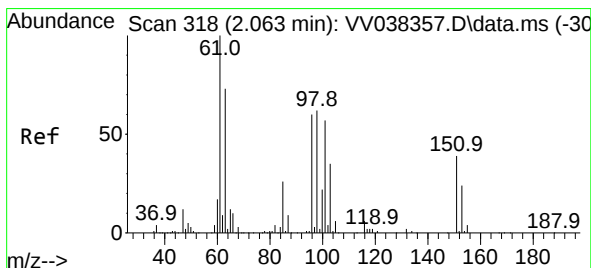
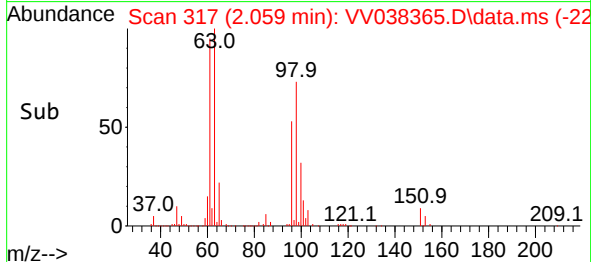
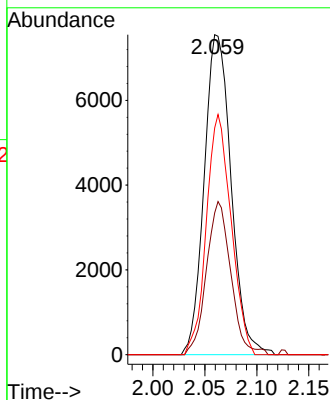
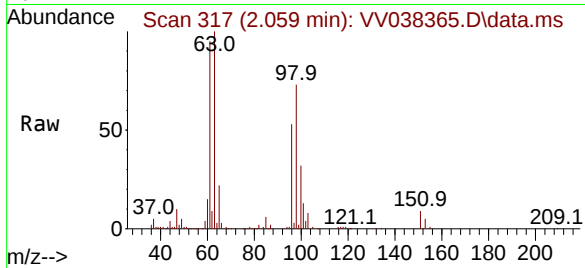




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.885 ug/L
 RT: 2.059 min Scan# 317
 Delta R.T. -0.004 min
 Lab File: VV038365.D
 Acq: 26 Nov 2024 15:28

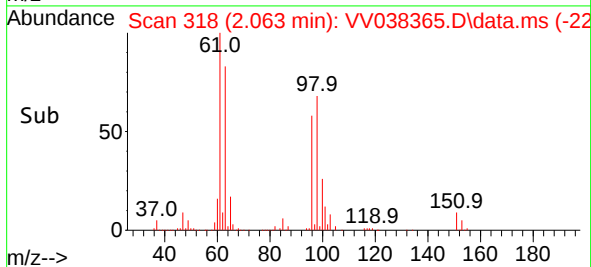
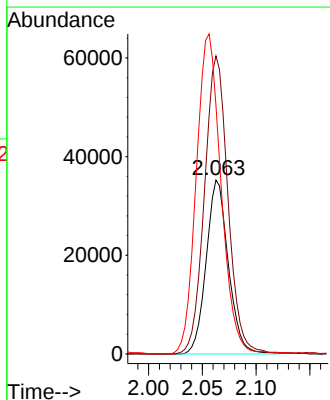
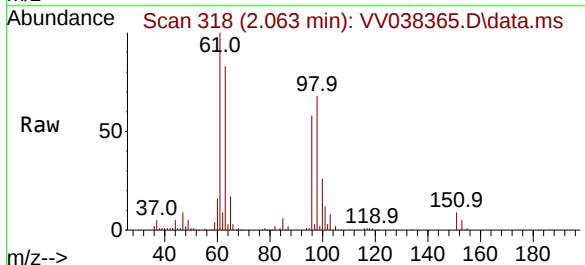
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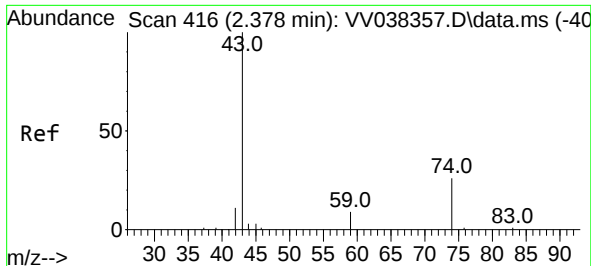
Tgt Ion:101 Resp: 13637
 Ion Ratio Lower Upper
 101 100
 85 43.2 33.4 50.0
 151 68.9 58.8 88.2



#12
 1,1-Dichloroethene
 Concen: 3.441 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV038365.D
 Acq: 26 Nov 2024 15:28

Tgt Ion: 96 Resp: 50494
 Ion Ratio Lower Upper
 96 100
 61 171.4 115.7 214.9
 63 142.9 101.1 187.7

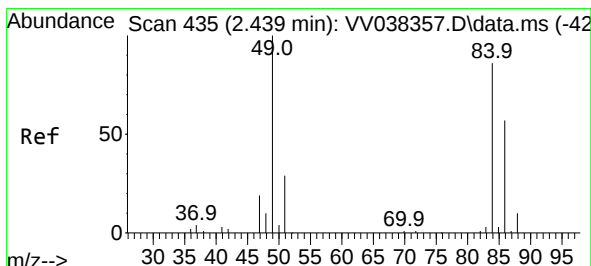
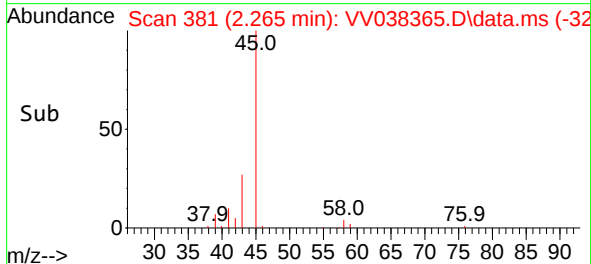
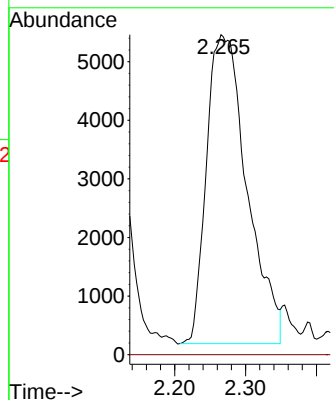
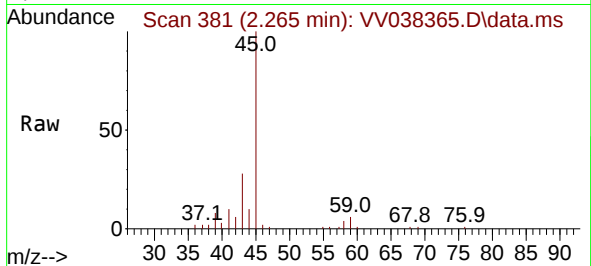




#15
Methyl Acetate
Concen: 3.695 ug/L
RT: 2.265 min Scan# 31
Delta R.T. -0.113 min
Lab File: VV038365.D
Acq: 26 Nov 2024 15:28

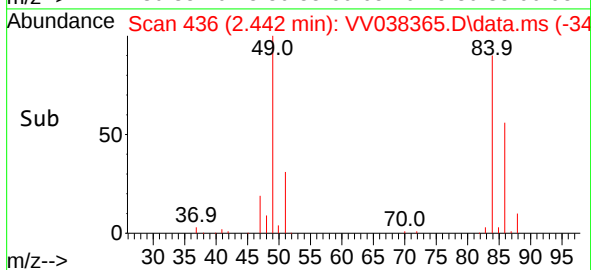
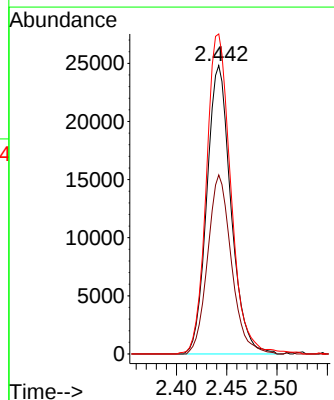
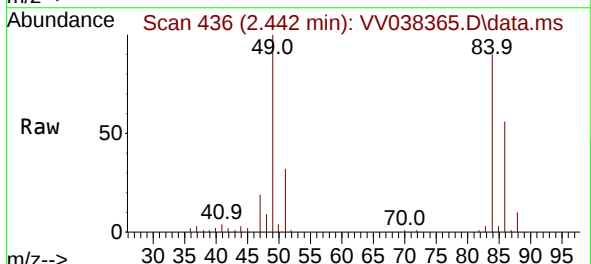
Instrument :
MSVOA_V
ClientSampleId :

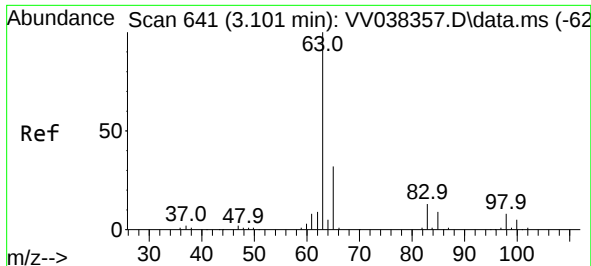
Tgt Ion: 43 Resp: 20905
Ion Ratio Lower Upper
43 100
74 0.0 22.4 33.6#



#16
Methylene chloride
Concen: 2.473 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV038365.D
Acq: 26 Nov 2024 15:28

Tgt Ion: 84 Resp: 41377
Ion Ratio Lower Upper
84 100
86 62.1 44.2 82.2
49 110.9 74.9 139.1





#19

1,1-Dichloroethane

Concen: 0.583 ug/L

RT: 3.108 min Scan# 641

Delta R.T. 0.006 min

Lab File: VV038365.D

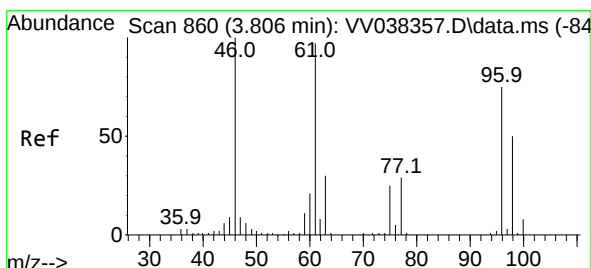
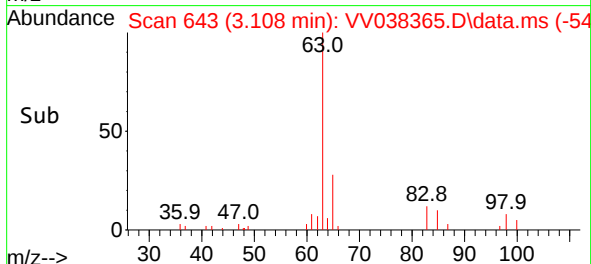
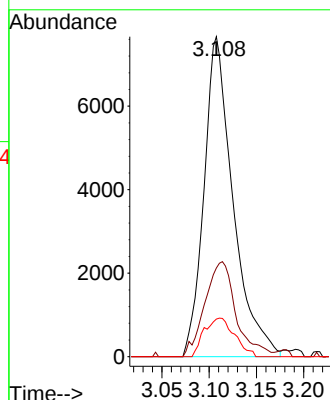
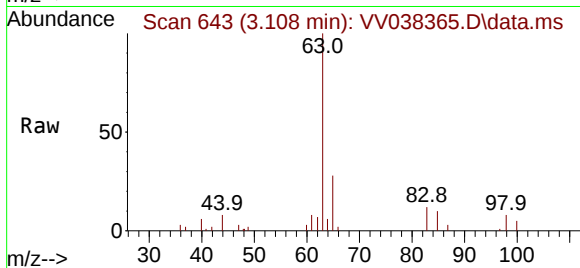
Acq: 26 Nov 2024 15:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 16367
Ion Ratio	Lower Upper
63	100
65	27.7 22.5 41.7
83	11.8 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 4.248 ug/L

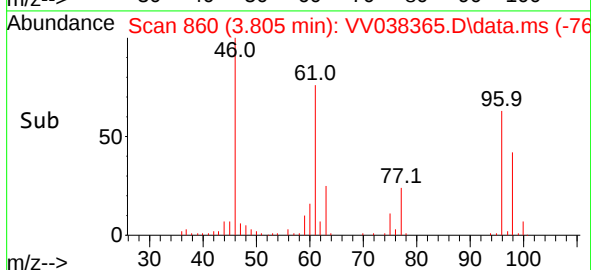
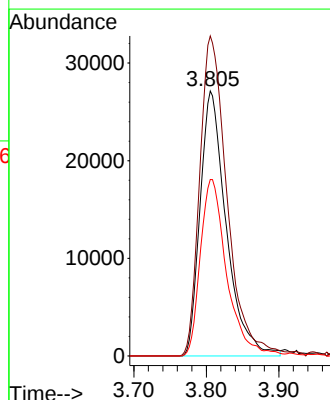
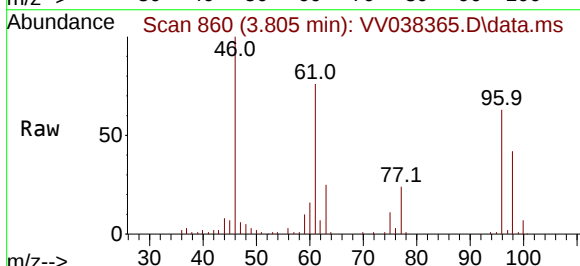
RT: 3.805 min Scan# 860

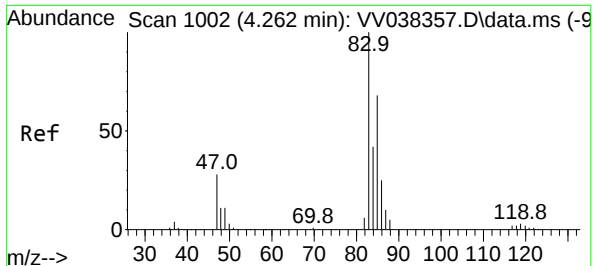
Delta R.T. -0.000 min

Lab File: VV038365.D

Acq: 26 Nov 2024 15:28

Tgt Ion: 96	Resp: 67902
Ion Ratio	Lower Upper
96	100
61	120.7 82.7 153.5
98	66.6 46.3 85.9





#25

Chloroform

Concen: 1.106 ug/L

RT: 4.268 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV038365.D

Acq: 26 Nov 2024 15:28

Instrument :

MSVOA_V

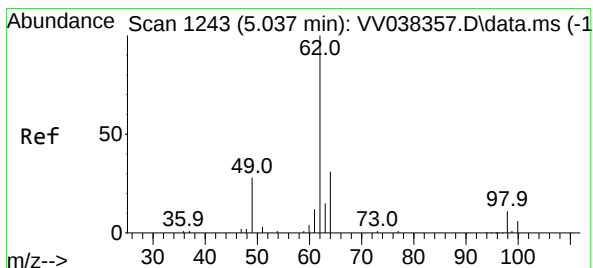
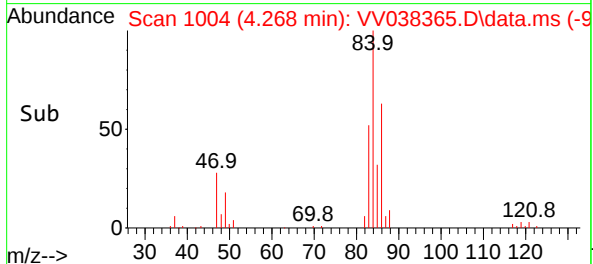
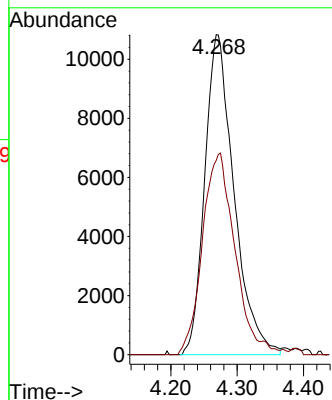
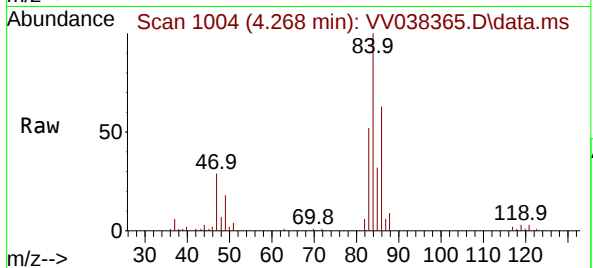
ClientSampleId :

Tgt Ion: 83 Resp: 33192

Ion Ratio Lower Upper

83 100

85 60.7 46.5 86.3



#27

1,2-Dichloroethane

Concen: 0.457 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.019 min

Lab File: VV038365.D

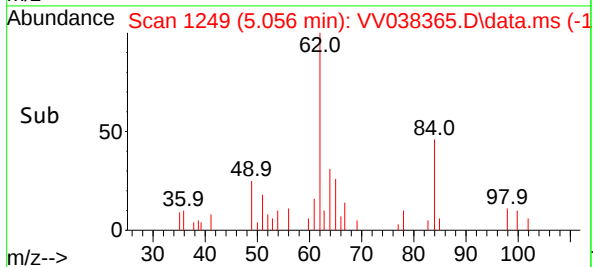
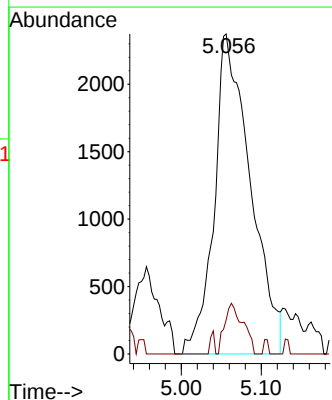
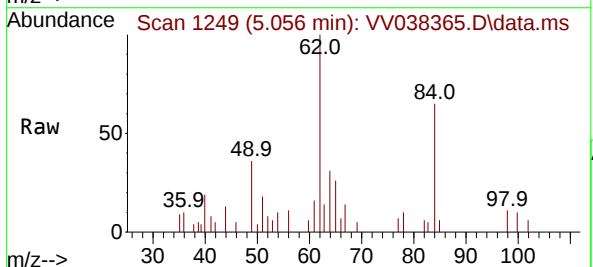
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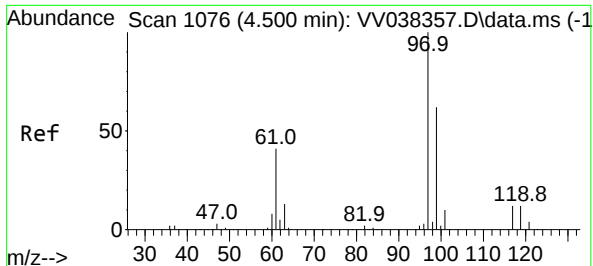
Tgt Ion: 62 Resp: 7460

Ion Ratio Lower Upper

62 100

98 10.6 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 1.254 ug/L

RT: 4.503 min Scan# 110

Delta R.T. 0.003 min

Lab File: VV038365.D

Acq: 26 Nov 2024 15:28

Instrument :

MSVOA_V

ClientSampleId :

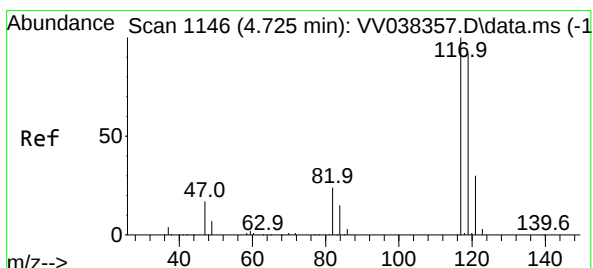
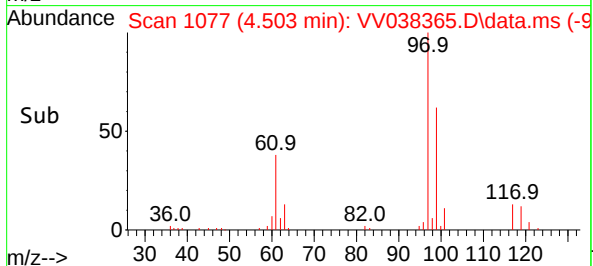
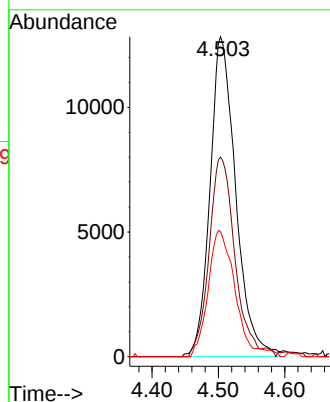
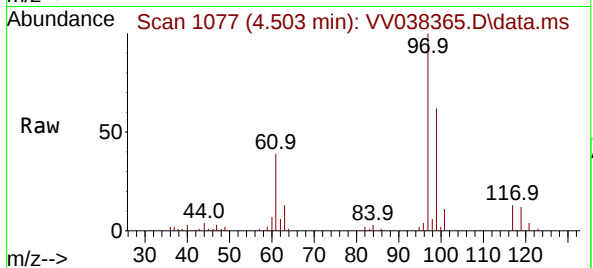
Tgt Ion: 97 Resp: 34537

Ion Ratio Lower Upper

97 100

99 62.0 51.8 77.8

61 40.9 32.2 48.2



#31

Carbon tetrachloride

Concen: 0.329 ug/L

RT: 4.731 min Scan# 1148

Delta R.T. 0.006 min

Lab File: VV038365.D

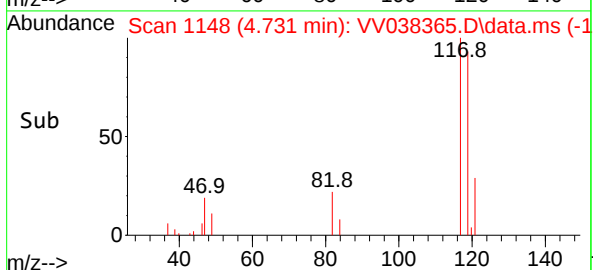
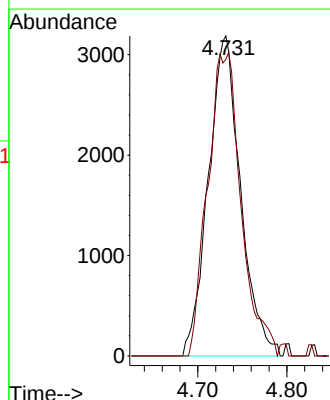
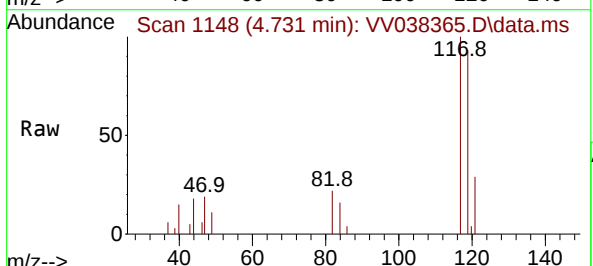
Acq: 26 Nov 2024 15:28

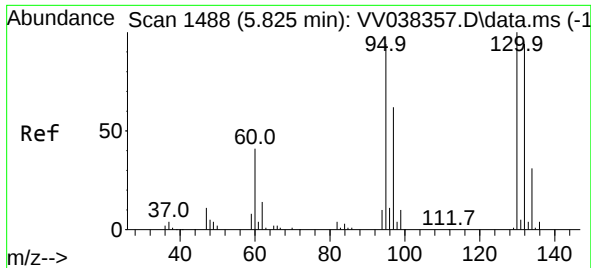
Tgt Ion: 117 Resp: 8002

Ion Ratio Lower Upper

117 100

119 98.1 77.4 116.2

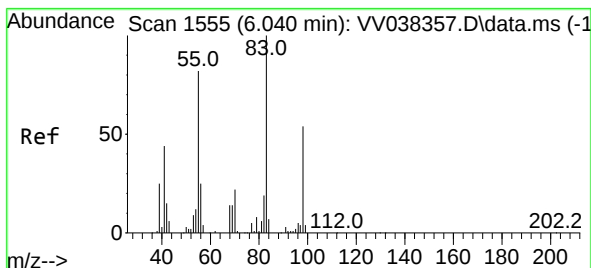
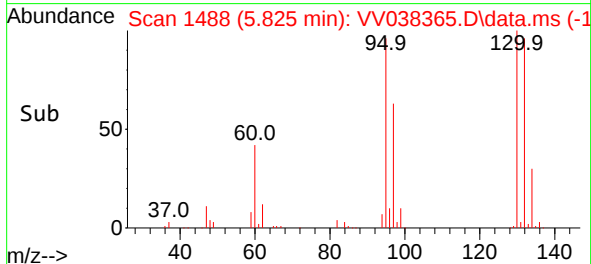
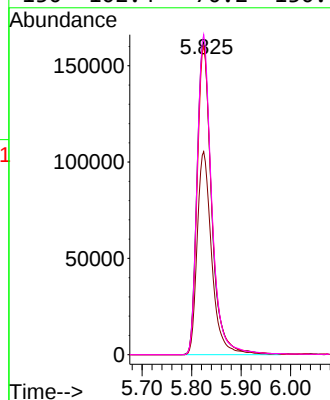
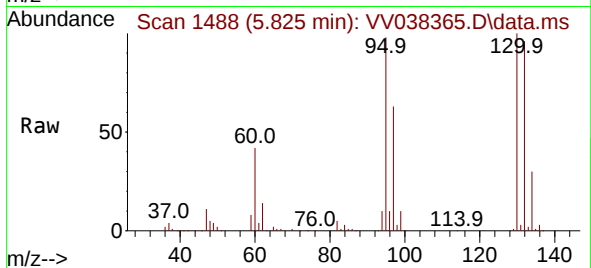




#34
Trichloroethene
Concen: 19.036 ug/L
RT: 5.825 min Scan# 14
Delta R.T. -0.000 min
Lab File: VV038365.D
Acq: 26 Nov 2024 15:28

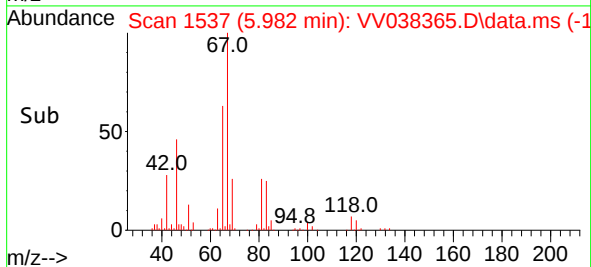
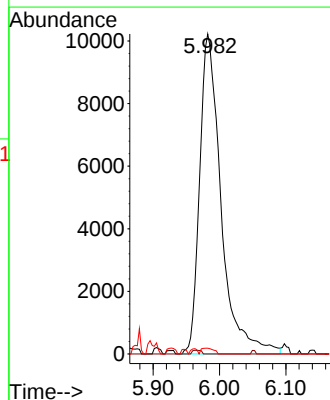
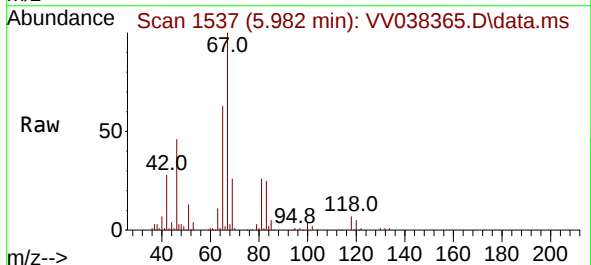
Instrument :
MSVOA_V
ClientSampleId :

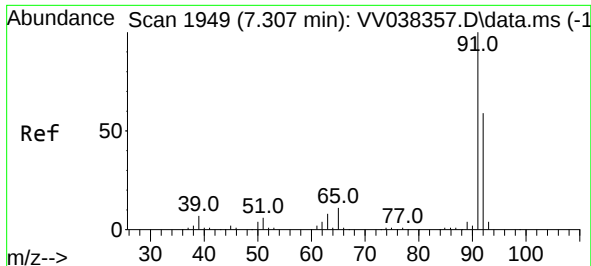
Tgt Ion: 95 Resp: 334682
Ion Ratio Lower Upper
95 100
97 64.9 44.8 83.2
132 98.6 68.3 126.8
130 102.4 70.2 130.4



#35
Methylcyclohexane
Concen: 0.922 ug/L
RT: 5.982 min Scan# 1537
Delta R.T. -0.058 min
Lab File: VV038365.D
Acq: 26 Nov 2024 15:28

Tgt Ion: 83 Resp: 22933
Ion Ratio Lower Upper
83 100
55 0.5 59.7 89.5#
98 1.5 39.0 58.4#





#42

Toluene

Concen: 0.241 ug/L

RT: 7.329 min Scan# 1949

Delta R.T. 0.022 min

Lab File: VV038365.D

Acq: 26 Nov 2024 15:28

Instrument :

MSVOA_V

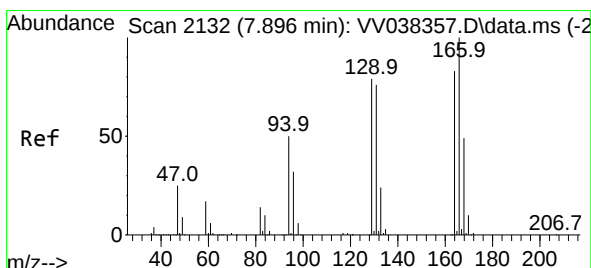
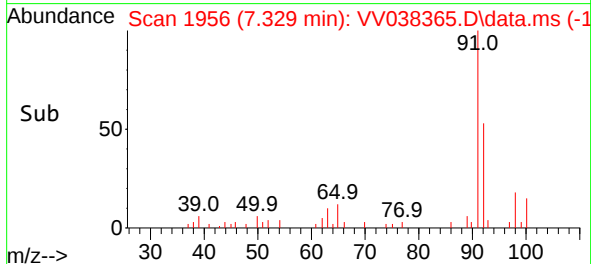
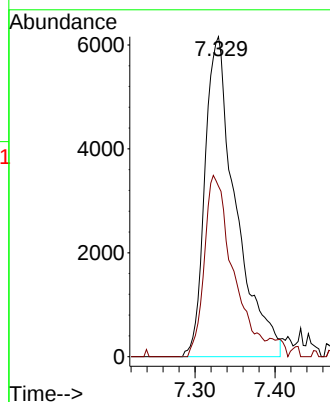
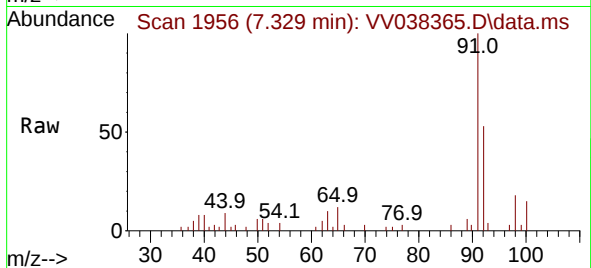
ClientSampleId :

Tgt Ion: 91 Resp: 16486

Ion Ratio Lower Upper

91 100

92 53.3 40.8 75.8



#47

Tetrachloroethene

Concen: 8.649 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. 0.003 min

Lab File: VV038365.D

Acq: 26 Nov 2024 15:28

Tgt Ion: 164 Resp: 122185

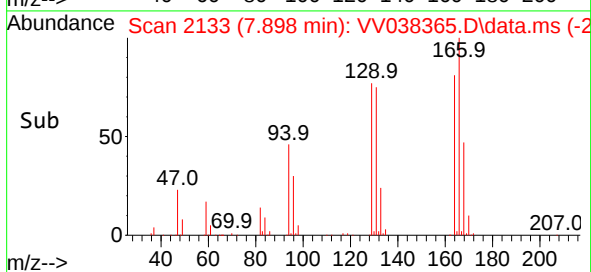
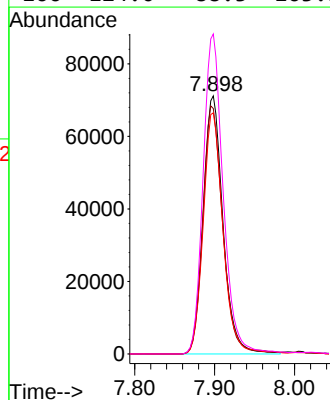
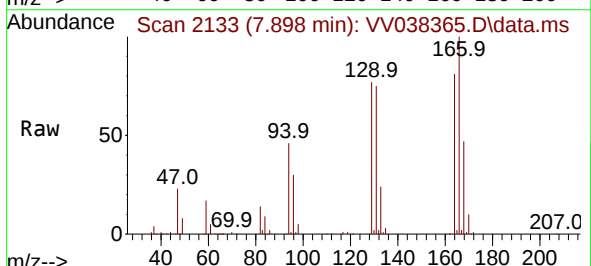
Ion Ratio Lower Upper

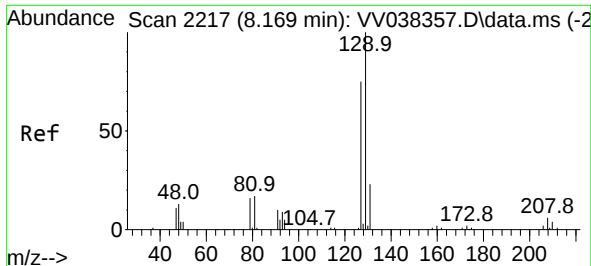
164 100

129 95.1 68.5 127.1

131 93.5 64.8 120.4

166 124.0 88.3 163.9





#49

Dibromochloromethane

Concen: 8.003 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.274 min

Lab File: VV038365.D

Acq: 26 Nov 2024 15:28

Instrument :

MSVOA_V

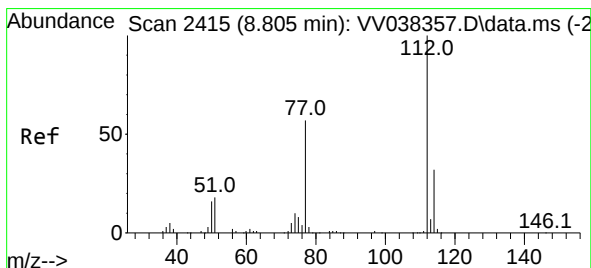
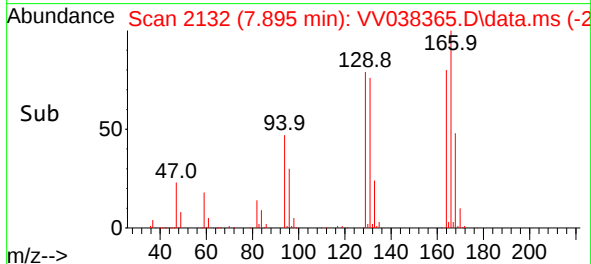
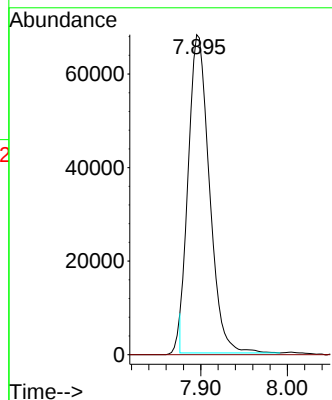
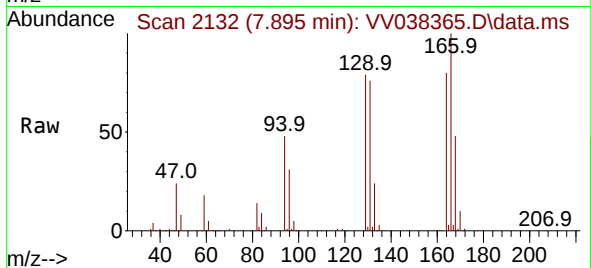
ClientSampleId :

Tgt Ion:129 Resp: 114312

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#51

Chlorobenzene

Concen: 0.237 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.006 min

Lab File: VV038365.D

Acq: 26 Nov 2024 15:28

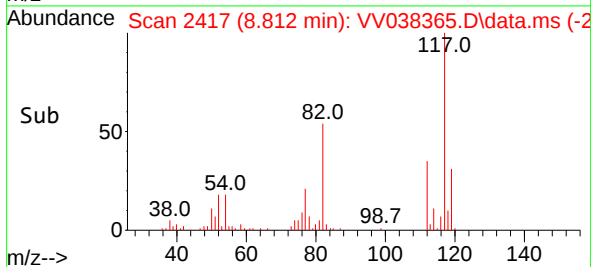
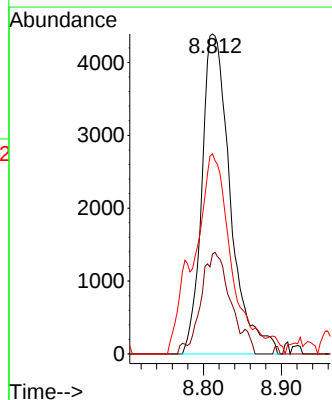
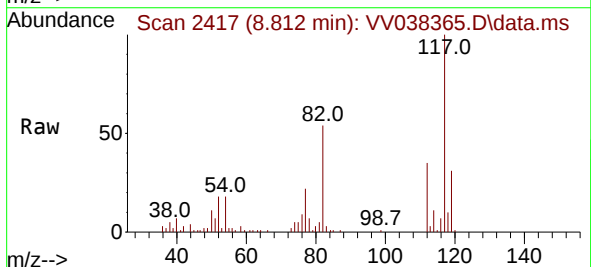
Tgt Ion:112 Resp: 11163

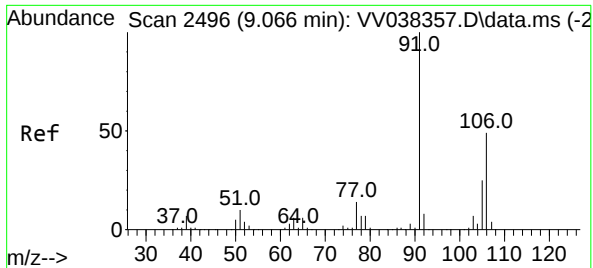
Ion Ratio Lower Upper

112 100

114 31.2 22.0 40.8

77 62.5 45.0 67.4

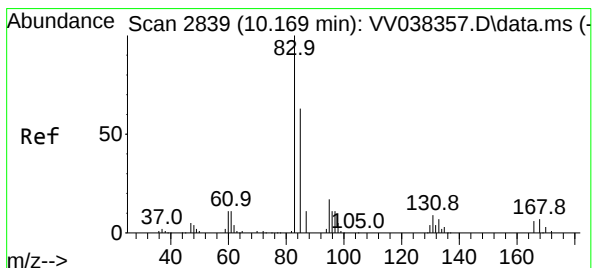
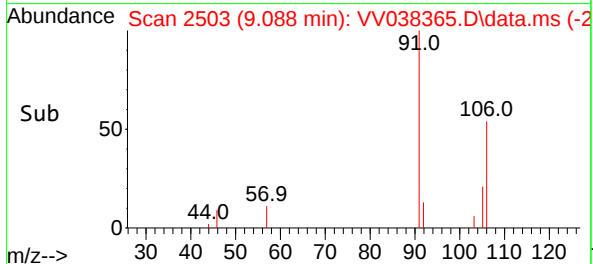
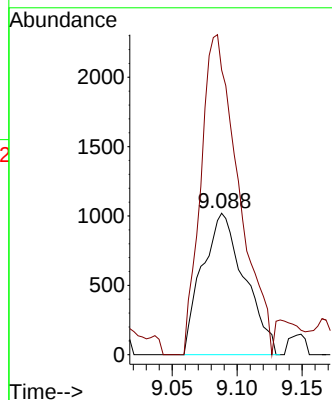
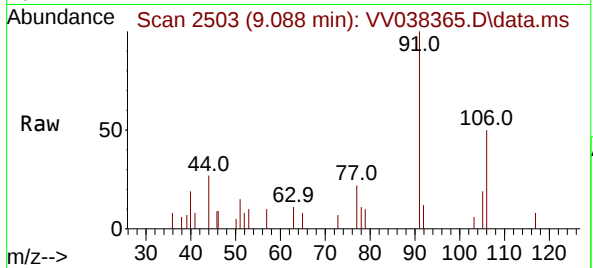




#53
m,p-Xylene
Concen: 0.085 ug/L
RT: 9.088 min Scan# 21
Delta R.T. 0.022 min
Lab File: VV038365.D
Acq: 26 Nov 2024 15:28

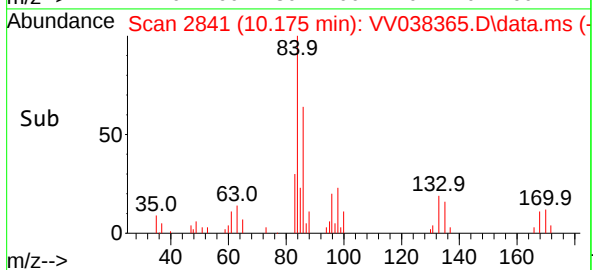
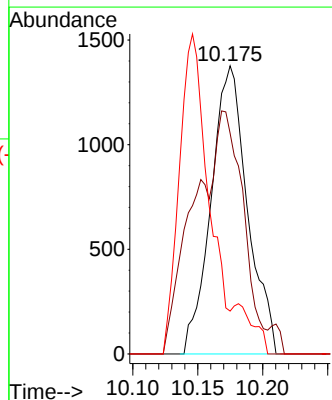
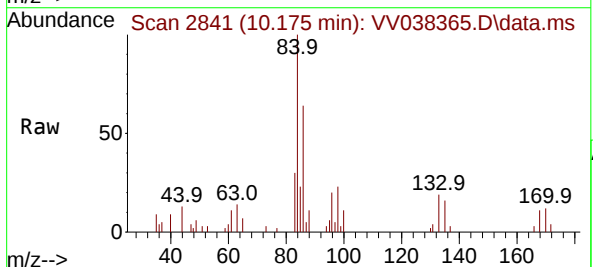
Instrument :
MSVOA_V
ClientSampleId :

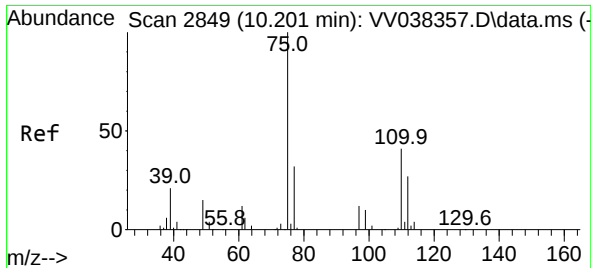
Tgt Ion:106 Resp: 2315
Ion Ratio Lower Upper
106 100
91 201.2 138.7 257.5



#57
1,1,2,2-Tetrachloroethane
Concen: 0.175 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.006 min
Lab File: VV038365.D
Acq: 26 Nov 2024 15:28

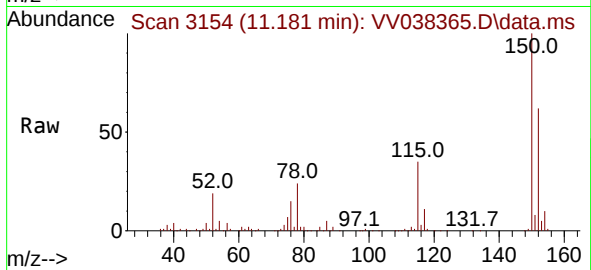
Tgt Ion: 83 Resp: 2683
Ion Ratio Lower Upper
83 100
85 76.5 45.7 84.9
131 14.9 8.2 12.4#





#61
 1,2,3-Trichloropropane
 Concen: 1.317 ug/L
 RT: 11.181 min Scan# 31
 Delta R.T. 0.980 min
 Lab File: VV038365.D
 Acq: 26 Nov 2024 15:28

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75	Resp:	10484
Ion Ratio	Lower	Upper
75	100	
77	34.3	26.4 39.6
110	3.2	32.3 48.5#

