

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112124\
 Data File : VV038236.D
 Acq On : 21 Nov 2024 13:10
 Operator : SY/MD
 Sample : P4883-17
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:45:08 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	5.529	114	232186	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	251825	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	108651	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	69059	3.880	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.600%
7) Chloroethane-d5	1.529	69	70042	4.865	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.053	65	32458	4.238	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.800%
20) 2-Butanone-d5	3.783	46	196746	55.263	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.520%
24) Chloroform-d	4.240	84	168860	4.889	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	4.937	65	84445	5.449	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.000%
32) Benzene-d6	4.953	84	289859	4.453	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	5.982	67	98094	4.898	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.000%
41) Toluene-d8	7.236	98	236687	3.930	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.600%
43) trans-1,3-Dichloroprop...	7.558	79	31021	4.166	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.018	63	160864	55.577	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.160%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	85686	5.040	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	11.554	152	97503	5.267	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.211	50	22493	1.189	ug/L	97
9) Trichlorofluoromethane	1.709	101	4973	0.163	ug/L	95
12) 1,1-Dichloroethene	2.063	96	5666	0.342	ug/L #	1
13) Acetone	1.841	43	672610	255.447	ug/L	41
14) Carbon disulfide	2.233	76	13102	0.245	ug/L #	95
16) Methylene chloride	2.439	84	12757	0.675	ug/L	99
17) Methyl tert-butyl Ether	2.699	73	24876	0.663	ug/L #	93
19) 1,1-Dichloroethane	3.108	63	32713	1.032	ug/L	96
22) cis-1,2-Dichloroethene	3.809	96	20389	1.129	ug/L	95
25) Chloroform	4.269	83	8455	0.249	ug/L	92
29) 1,1,1-Trichloroethane	4.506	97	20098	0.665	ug/L	98
34) Trichloroethene	5.822	95	415299	21.537	ug/L	99
35) Methylcyclohexane	5.979	83	25155	0.922	ug/L #	19
42) Toluene	7.330	91	15229	0.203	ug/L	89
44) trans-1,3-Dichloropropene	7.561	75	1695	0.081	ug/L #	82
47) Tetrachloroethene	7.895	164	121323	7.830	ug/L	96
49) Dibromochloromethane	7.899	129	109015	6.959	ug/L #	11
51) Chlorobenzene	8.812	112	6878	0.133	ug/L	93
53) m,p-Xylene	9.082	106	2479	0.083	ug/L	98

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QLast Update : Fri Nov 22 01:41:27 2024
Response via : Initial Calibration

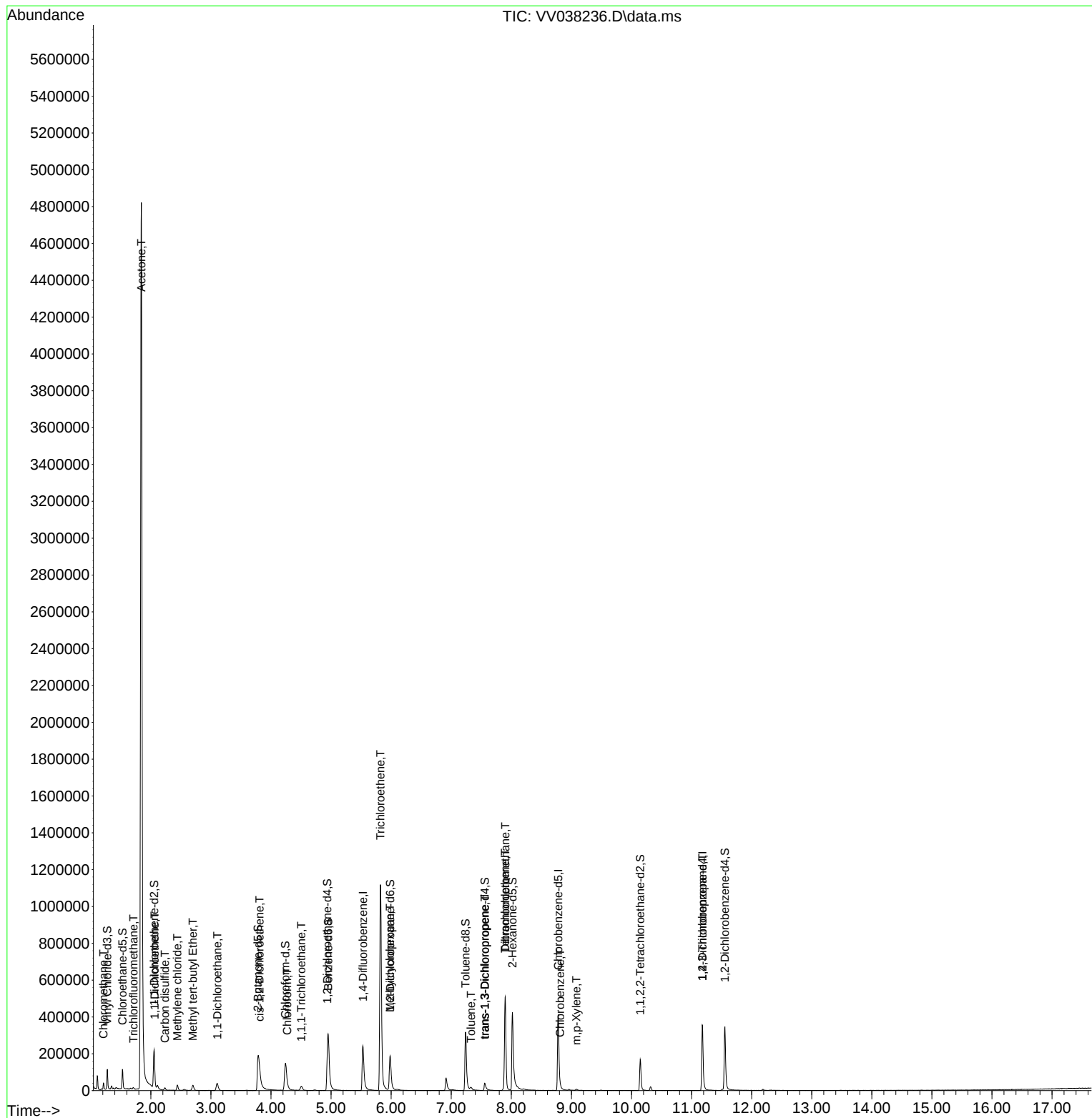
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.181	75	11716	1.259	ug/L	# 64

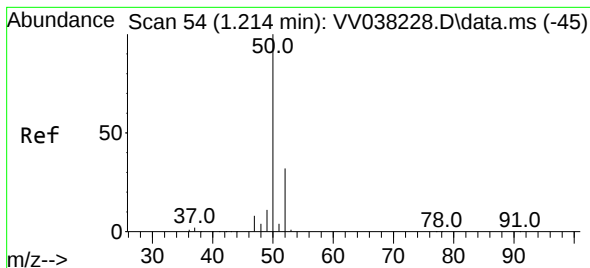
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.189 ug/L

RT: 1.211 min Scan# 51

Delta R.T. -0.003 min

Lab File: VV038236.D

Acq: 21 Nov 2024 13:10

Instrument :

MSVOA_V

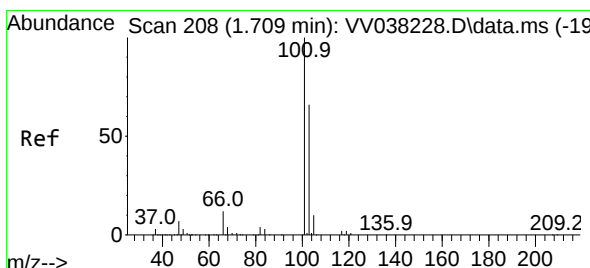
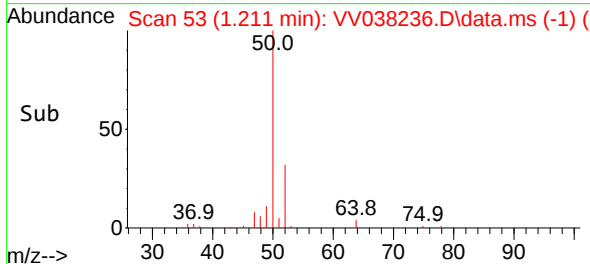
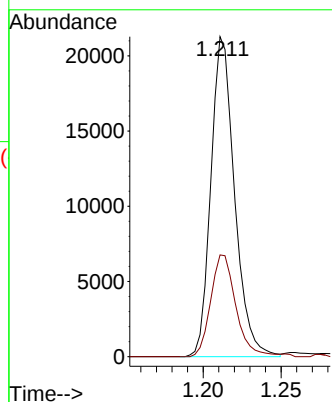
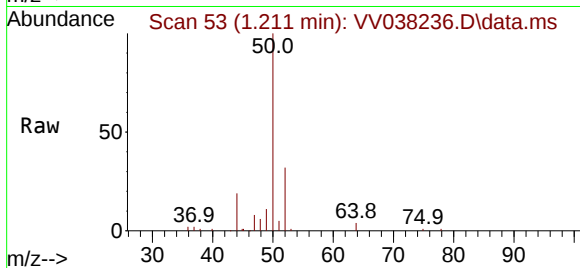
ClientSampleId :

Tgt Ion: 50 Resp: 22493

Ion Ratio Lower Upper

50 100

52 31.8 23.5 43.7



#9

Trichlorofluoromethane

Concen: 0.163 ug/L

RT: 1.709 min Scan# 208

Delta R.T. -0.000 min

Lab File: VV038236.D

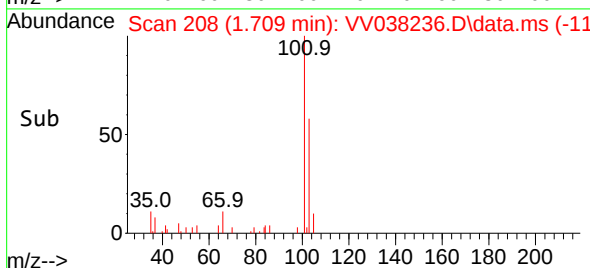
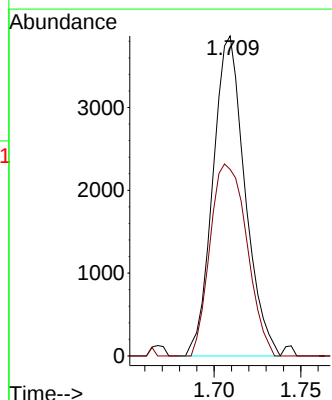
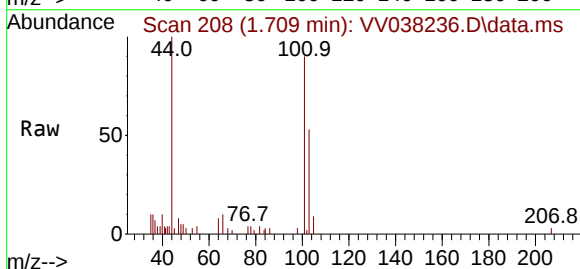
Acq: 21 Nov 2024 13:10

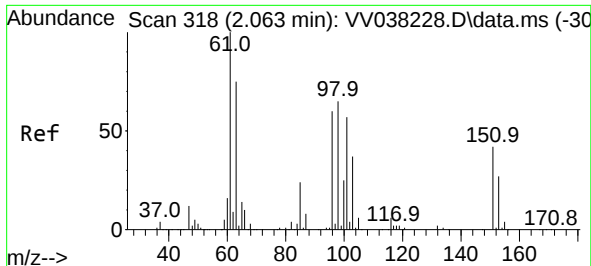
Tgt Ion: 101 Resp: 4973

Ion Ratio Lower Upper

101 100

103 68.7 51.5 77.3





#12

1,1-Dichloroethene

Concen: 0.342 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV038236.D

Acq: 21 Nov 2024 13:10

Instrument :

MSVOA_V

ClientSampleId :

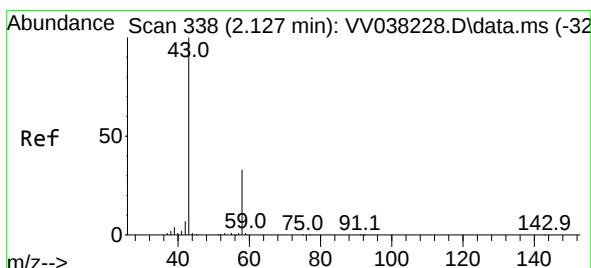
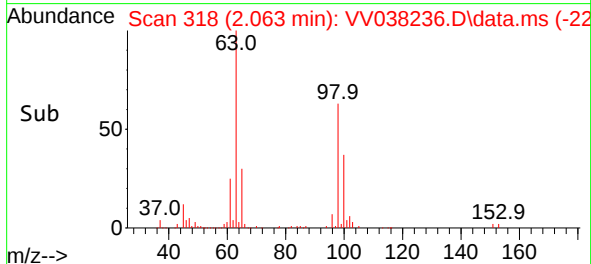
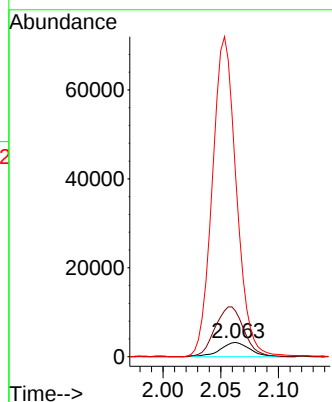
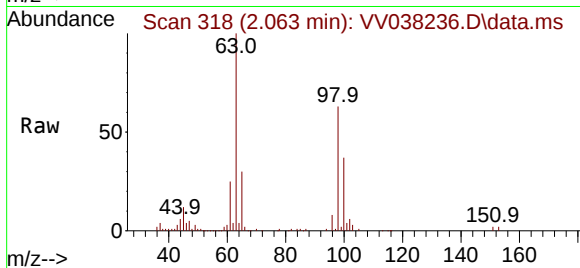
Tgt Ion: 96 Resp: 5666

Ion Ratio Lower Upper

96 100

61 320.3 115.7 214.9#

63 1277.1 101.1 187.7#



#13

Acetone

Concen: 255.447 ug/L

RT: 1.841 min Scan# 249

Delta R.T. -0.286 min

Lab File: VV038236.D

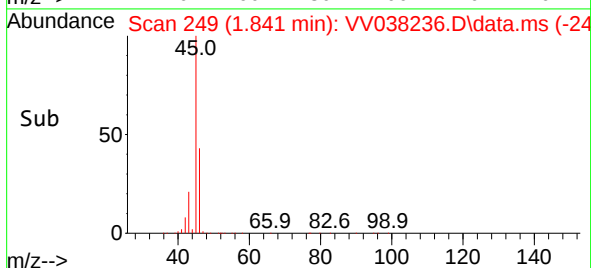
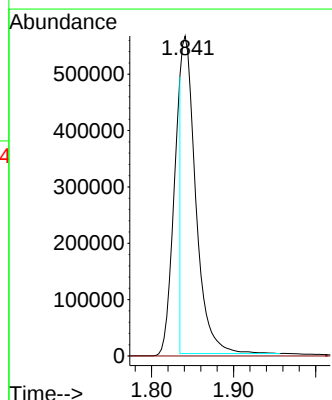
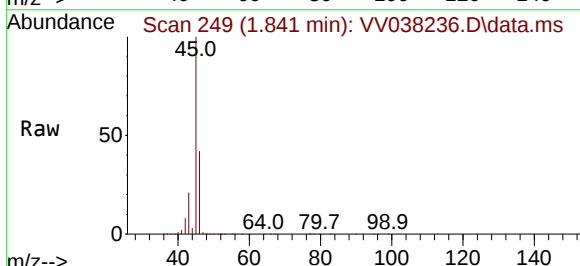
Acq: 21 Nov 2024 13:10

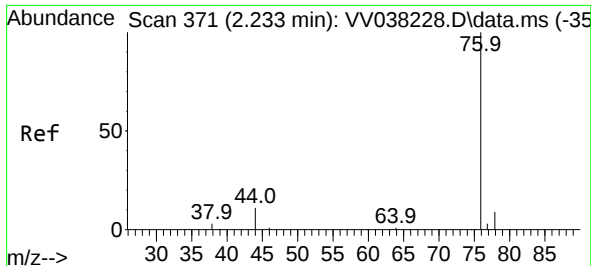
Tgt Ion: 43 Resp: 672610

Ion Ratio Lower Upper

43 100

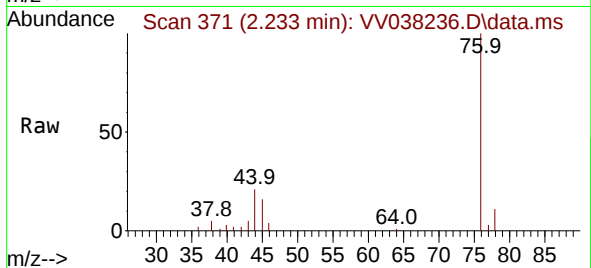
58 0.0 0.0 67.2



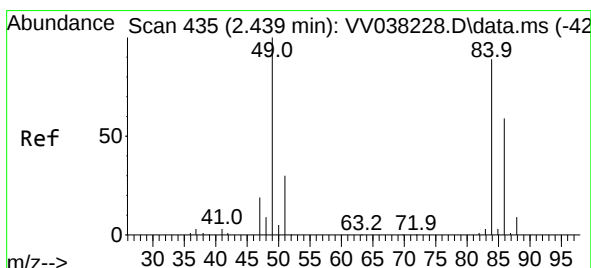
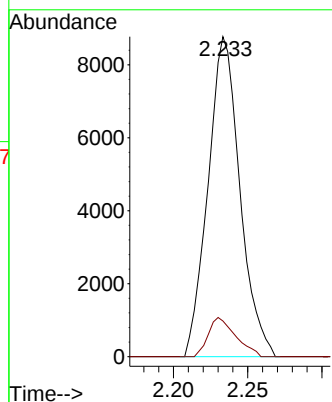
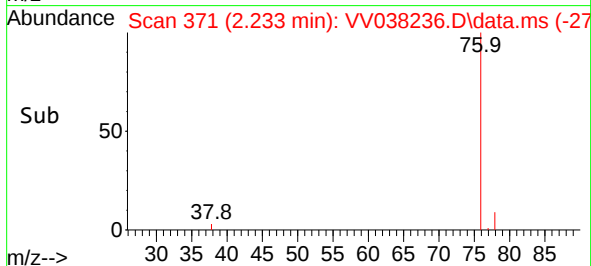


#14
Carbon disulfide
Concen: 0.245 ug/L
RT: 2.233 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV038236.D
Acq: 21 Nov 2024 13:10

Instrument :
MSVOA_V
ClientSampleId :

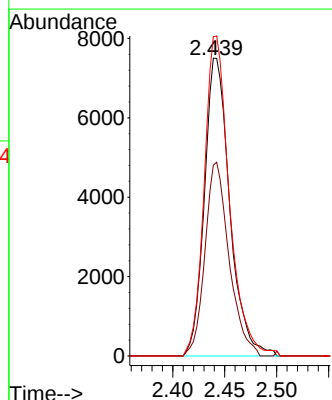
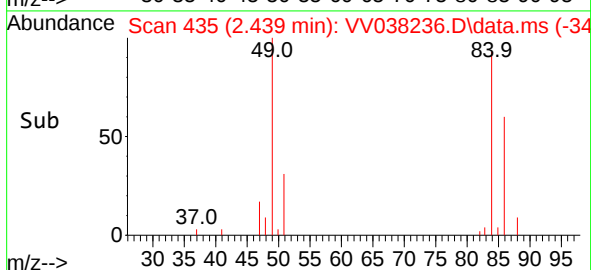
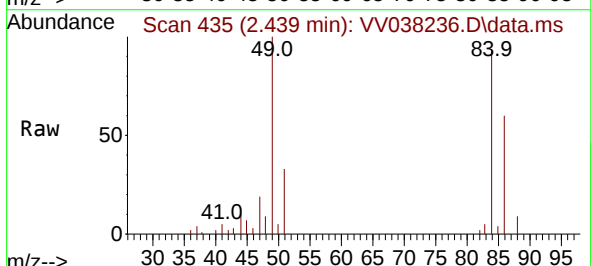


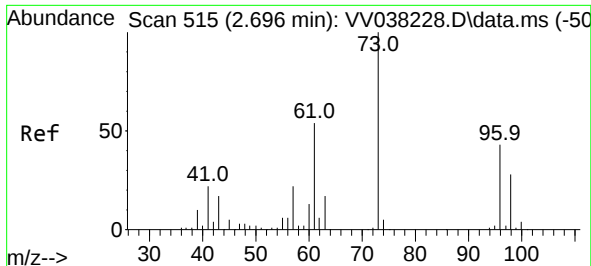
Tgt Ion: 76 Resp: 13102
Ion Ratio Lower Upper
76 100
78 11.2 7.4 11.0#



#16
Methylene chloride
Concen: 0.675 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.000 min
Lab File: VV038236.D
Acq: 21 Nov 2024 13:10

Tgt Ion: 84 Resp: 12757
Ion Ratio Lower Upper
84 100
86 64.0 44.2 82.2
49 107.2 74.9 139.1





#17

Methyl tert-butyl Ether

Concen: 0.663 ug/L

RT: 2.699 min Scan# 515

Delta R.T. 0.003 min

Lab File: VV038236.D

Acq: 21 Nov 2024 13:10

Instrument :

MSVOA_V

ClientSampleId :

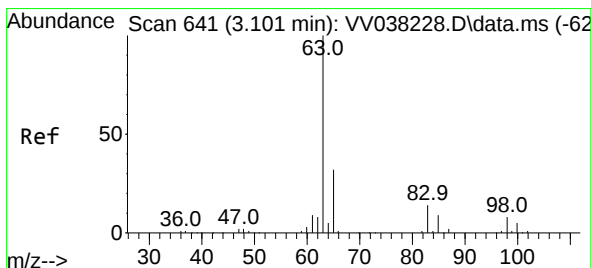
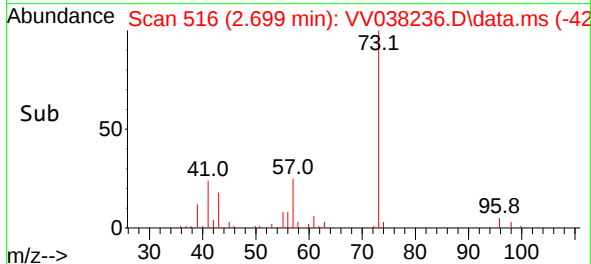
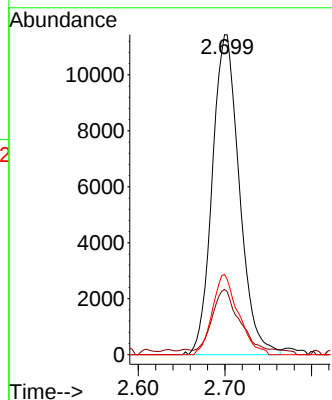
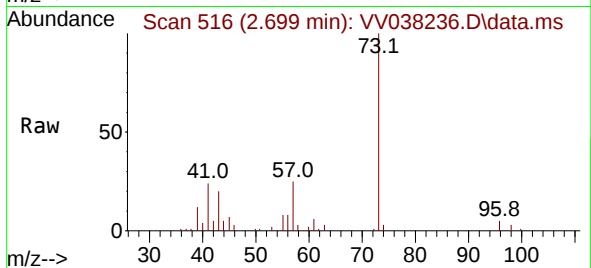
Tgt Ion: 73 Resp: 24876

Ion Ratio Lower Upper

73 100

43 22.6 14.2 21.2#

57 24.0 17.6 26.4



#19

1,1-Dichloroethane

Concen: 1.032 ug/L

RT: 3.108 min Scan# 643

Delta R.T. 0.006 min

Lab File: VV038236.D

Acq: 21 Nov 2024 13:10

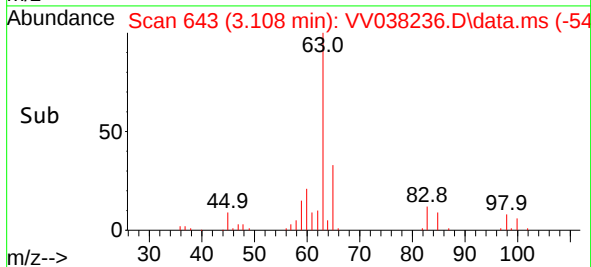
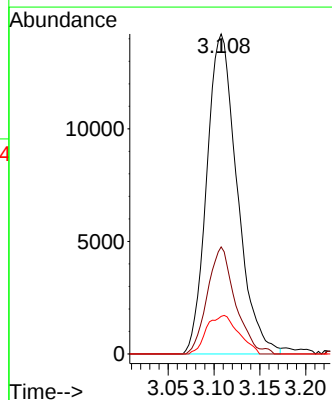
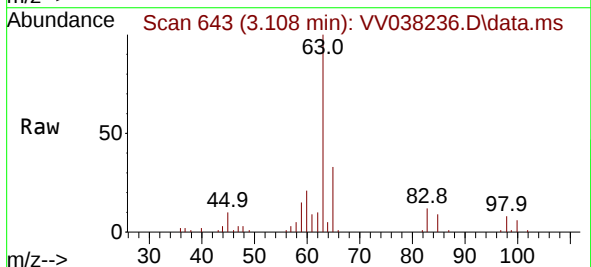
Tgt Ion: 63 Resp: 32713

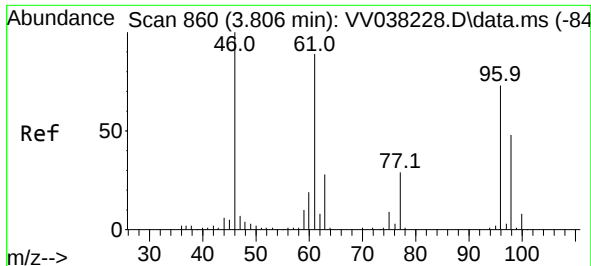
Ion Ratio Lower Upper

63 100

65 33.5 22.5 41.7

83 11.7 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 1.129 ug/L

RT: 3.809 min Scan# 80

Delta R.T. 0.003 min

Lab File: VV038236.D

Acq: 21 Nov 2024 13:10

Instrument :

MSVOA_V

ClientSampleId :

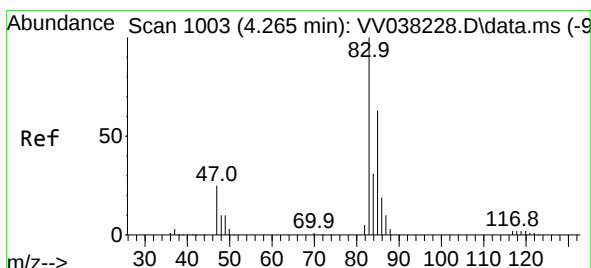
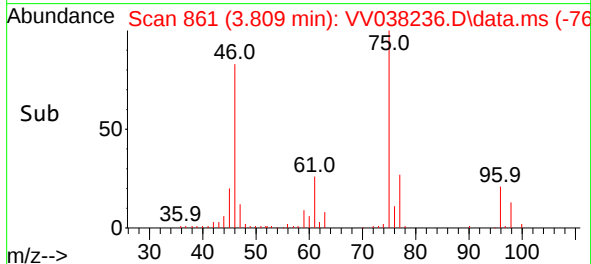
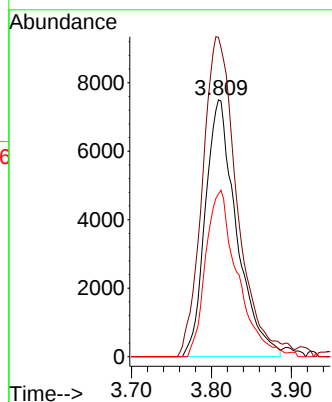
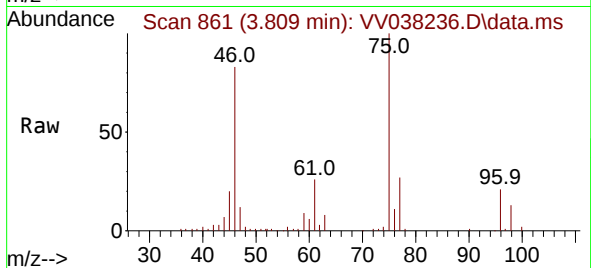
Tgt Ion: 96 Resp: 20389

Ion Ratio Lower Upper

96 100

61 124.4 82.7 153.5

98 63.4 46.3 85.9



#25

Chloroform

Concen: 0.249 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. 0.003 min

Lab File: VV038236.D

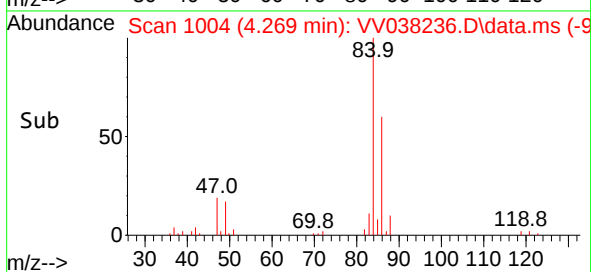
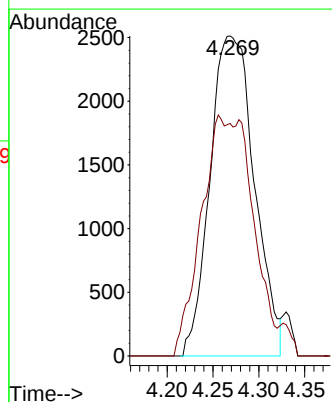
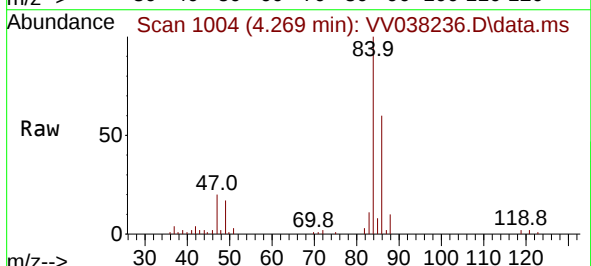
Acq: 21 Nov 2024 13:10

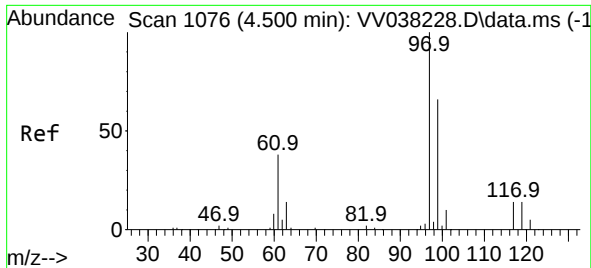
Tgt Ion: 83 Resp: 8455

Ion Ratio Lower Upper

83 100

85 72.7 46.5 86.3



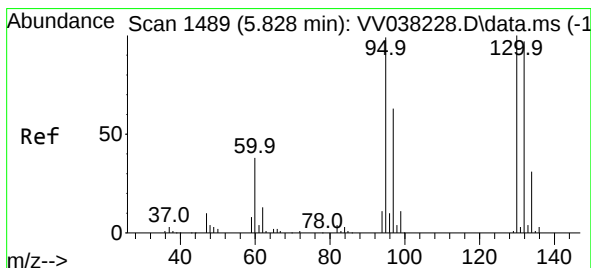
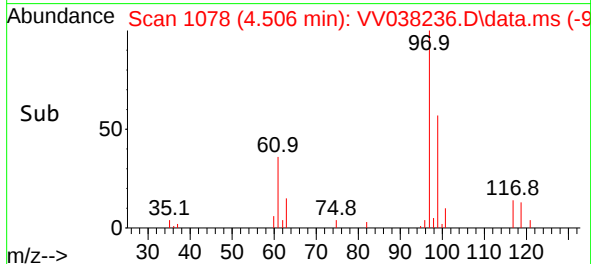
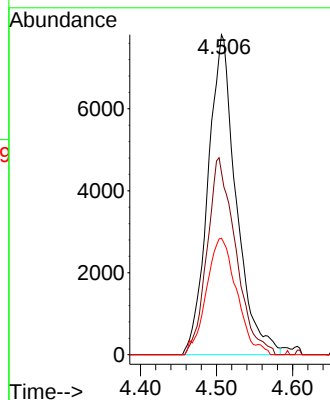
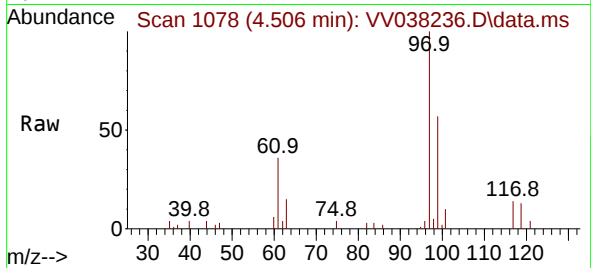


#29
1,1,1-Trichloroethane
Concen: 0.665 ug/L
RT: 4.506 min Scan# 1076
Delta R.T. 0.006 min
Lab File: VV038236.D
Acq: 21 Nov 2024 13:10

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 20098

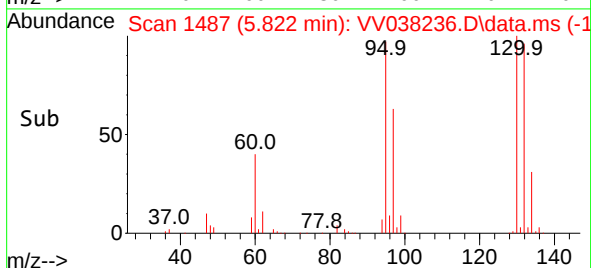
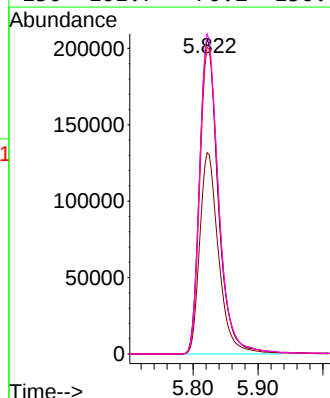
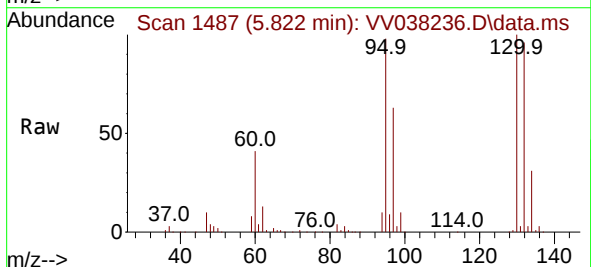
Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.8	77.8
61	39.2	32.2	48.2

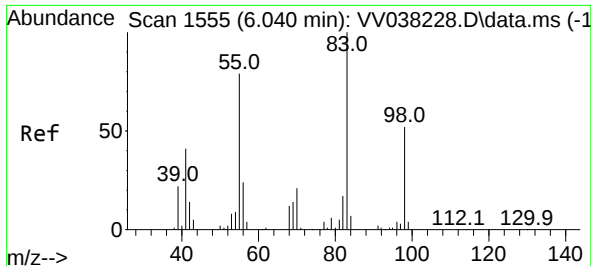


#34
Trichloroethene
Concen: 21.537 ug/L
RT: 5.822 min Scan# 1487
Delta R.T. -0.006 min
Lab File: VV038236.D
Acq: 21 Nov 2024 13:10

Tgt Ion: 95 Resp: 415299

Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.8	83.2
132	97.6	68.3	126.8
130	101.7	70.2	130.4

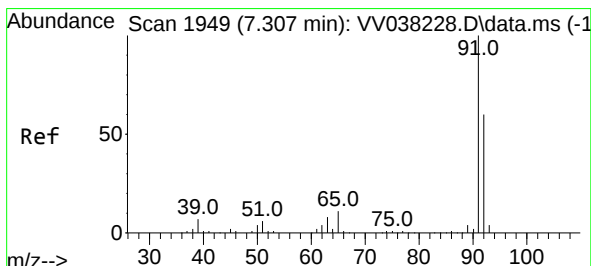
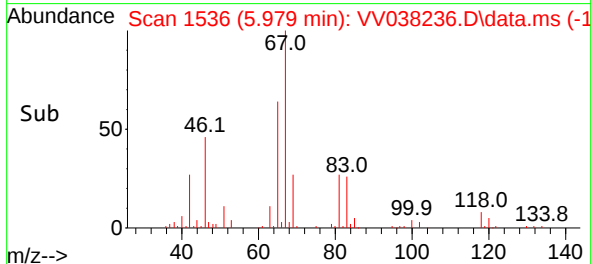
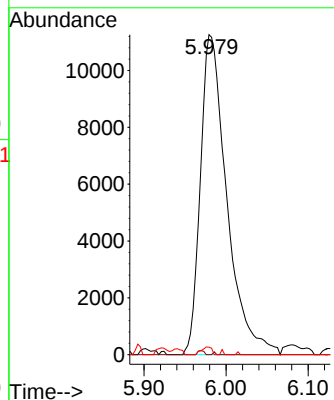
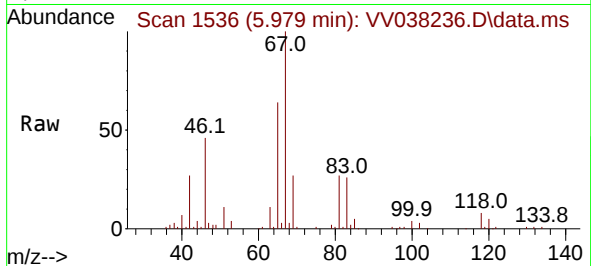




#35
Methylcyclohexane
Concen: 0.922 ug/L
RT: 5.979 min Scan# 11
Delta R.T. -0.061 min
Lab File: VV038236.D
Acq: 21 Nov 2024 13:10

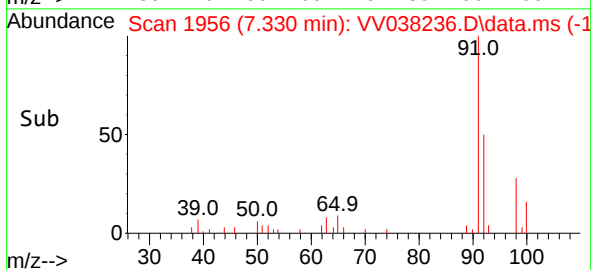
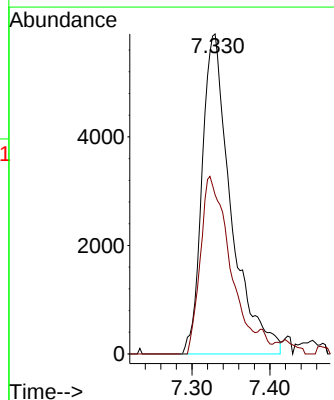
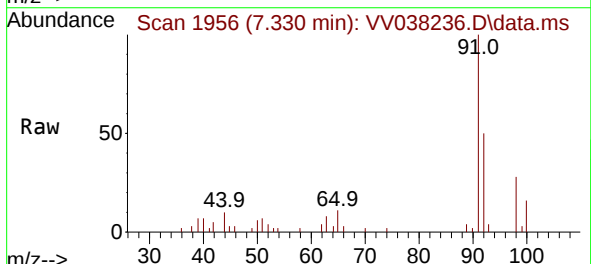
Instrument :
MSVOA_V
ClientSampleId :

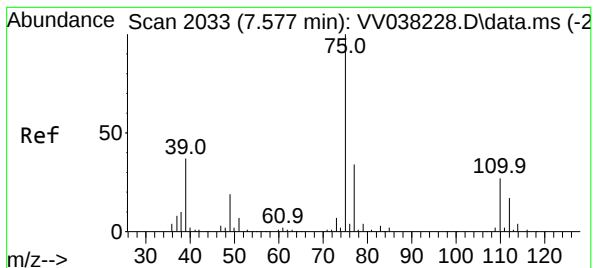
Tgt Ion: 83 Resp: 25155
Ion Ratio Lower Upper
83 100
55 0.1 59.7 89.5#
98 0.0 39.0 58.4#



#42
Toluene
Concen: 0.203 ug/L
RT: 7.330 min Scan# 1956
Delta R.T. 0.022 min
Lab File: VV038236.D
Acq: 21 Nov 2024 13:10

Tgt Ion: 91 Resp: 15229
Ion Ratio Lower Upper
91 100
92 49.7 40.8 75.8





#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.561 min Scan# 2033

Delta R.T. -0.016 min

Lab File: VV038236.D

Acq: 21 Nov 2024 13:10

Instrument :

MSVOA_V

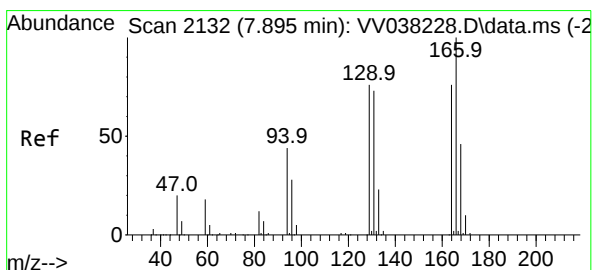
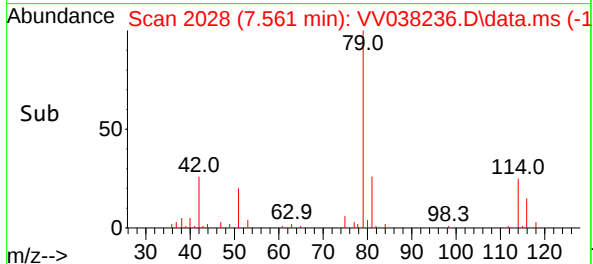
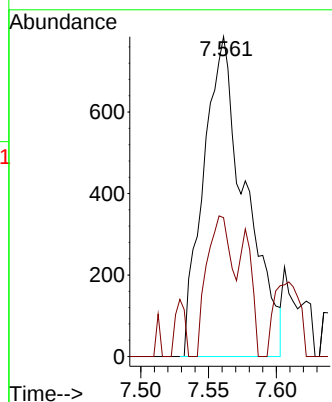
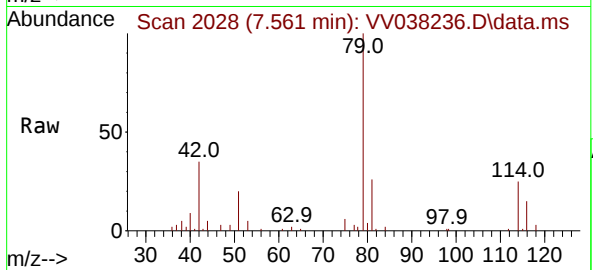
ClientSampleId :

Tgt Ion: 75 Resp: 1695

Ion Ratio Lower Upper

75 100

77 43.4 23.4 43.4#



#47

Tetrachloroethene

Concen: 7.830 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.000 min

Lab File: VV038236.D

Acq: 21 Nov 2024 13:10

Tgt Ion:164 Resp: 121323

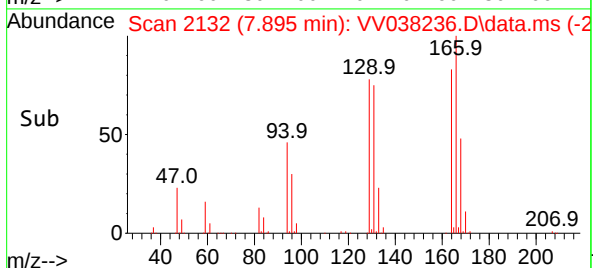
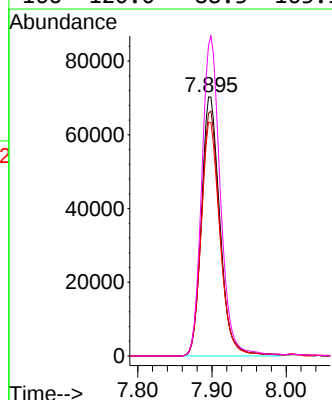
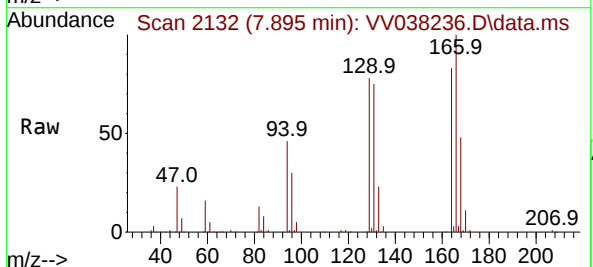
Ion Ratio Lower Upper

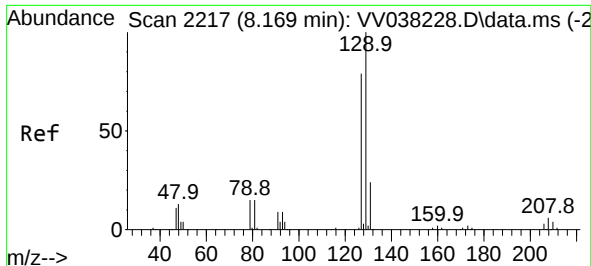
164 100

129 93.7 68.5 127.1

131 90.2 64.8 120.4

166 120.0 88.3 163.9

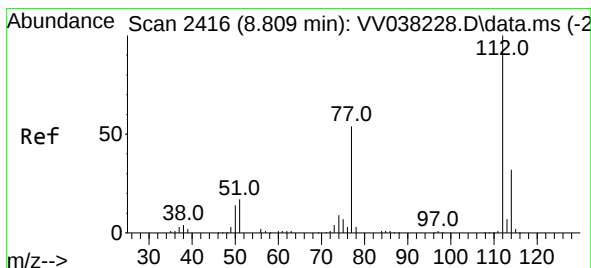
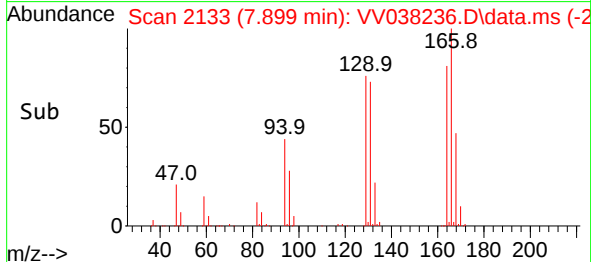
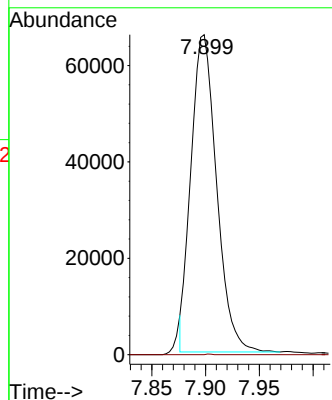
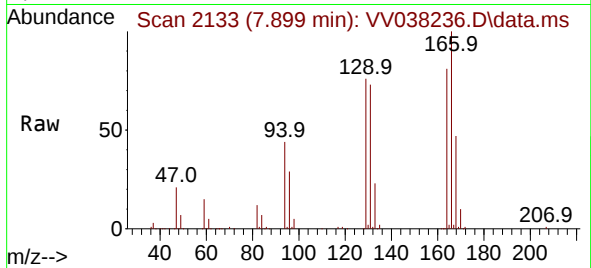




#49
Dibromochloromethane
Concen: 6.959 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. -0.270 min
Lab File: VV038236.D
Acq: 21 Nov 2024 13:10

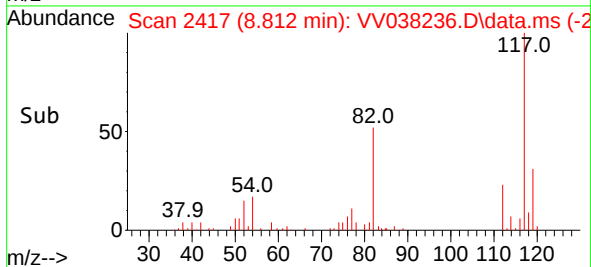
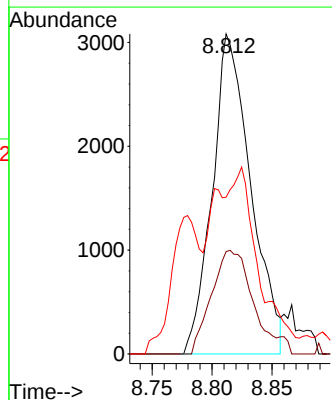
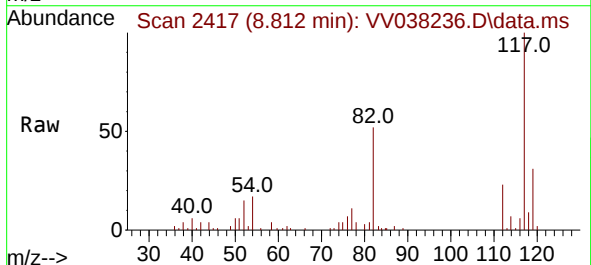
Instrument :
MSVOA_V
ClientSampleId :

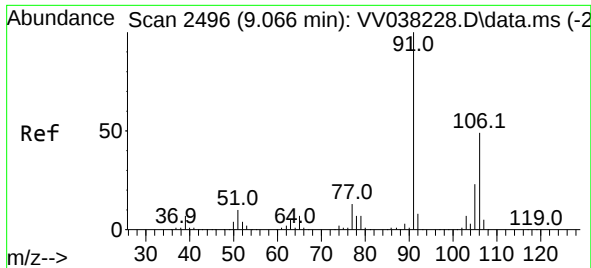
Tgt Ion:129 Resp: 109015
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#



#51
Chlorobenzene
Concen: 0.133 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV038236.D
Acq: 21 Nov 2024 13:10

Tgt Ion:112 Resp: 6878
Ion Ratio Lower Upper
112 100
114 32.0 22.0 40.8
77 49.0 45.0 67.4

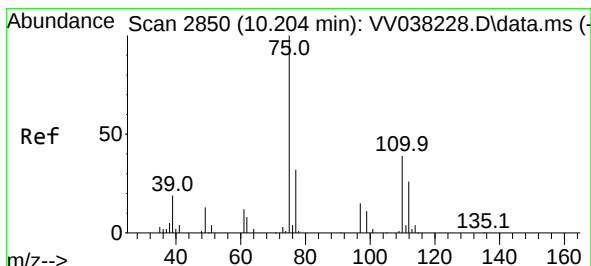
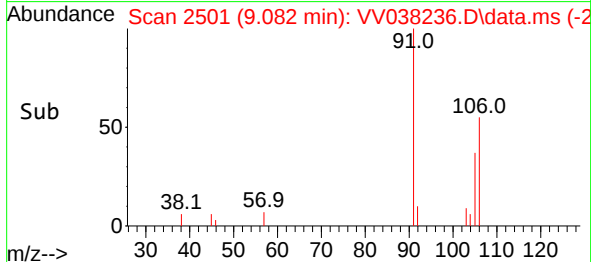
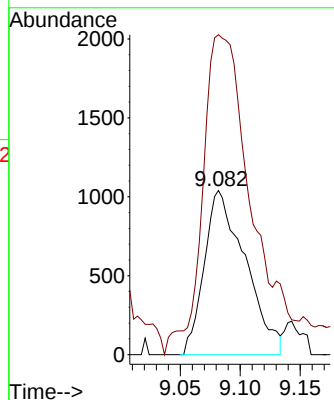
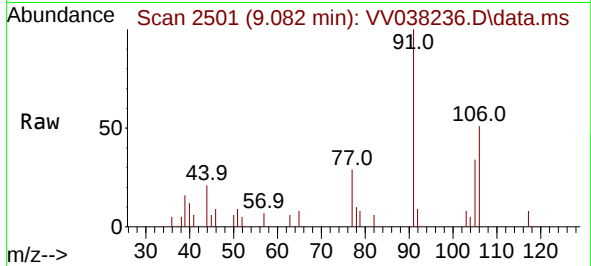




#53
 m,p-Xylene
 Concen: 0.083 ug/L
 RT: 9.082 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VV038236.D
 Acq: 21 Nov 2024 13:10

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion:106 Resp: 2479
 Ion Ratio Lower Upper
 106 100
 91 194.9 138.7 257.5



#61
 1,2,3-Trichloropropane
 Concen: 1.259 ug/L
 RT: 11.181 min Scan# 3154
 Delta R.T. 0.977 min
 Lab File: VV038236.D
 Acq: 21 Nov 2024 13:10

Tgt Ion: 75 Resp: 11716
 Ion Ratio Lower Upper
 75 100
 77 36.2 26.4 39.6
 110 3.0 32.3 48.5#

