

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110624\
 Data File : VV037938.D
 Acq On : 06 Nov 2024 19:11
 Operator : SY/MD
 Sample : P4729-04
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 06 22:48:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 06 22:44:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	288817	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	304488	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	140154	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	102236	4.625	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.400%
7) Chloroethane-d5	1.532	69	80894	4.490	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.056	65	44049	4.592	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.800%
20) 2-Butanone-d5	3.799	46	197981	48.050	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.100%
24) Chloroform-d	4.243	84	197114	4.891	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	4.941	65	92770	5.151	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
32) Benzene-d6	4.953	84	367531	4.680	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	5.986	67	113558	4.952	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.240	98	311469	4.414	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	7.561	79	36522	4.119	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.024	63	174294	50.583	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.160%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	91479	4.948	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	11.554	152	119934	5.188	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.800%

Target Compounds				Qvalue		
5) Vinyl chloride	1.282	62	12916	0.478	ug/L #	54
8) Chloroethane	1.282	64	7882	0.491	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	33912	1.580	ug/L	96
12) 1,1-Dichloroethene	2.066	96	190924	9.678	ug/L #	85
16) Methylene chloride	2.446	84	6871	0.298	ug/L	97
17) Methyl tert-butyl Ether	2.706	73	4061	0.092	ug/L #	77
18) trans-1,2-Dichloroethene	2.693	96	5240	0.246	ug/L	91
19) 1,1-Dichloroethane	3.108	63	70618	1.824	ug/L	100
22) cis-1,2-Dichloroethene	3.806	96	658625	29.333	ug/L	99
25) Chloroform	4.272	83	184061	4.526	ug/L	97
29) 1,1,1-Trichloroethane	4.503	97	23897	0.657	ug/L	96
31) Carbon tetrachloride	4.728	117	53226	1.666	ug/L	99
35) Methylcyclohexane	5.986	83	26234	0.760	ug/L #	19
37) 1,2-Dichloropropane	5.982	63	12783	0.611	ug/L #	86
38) Bromodichloromethane	6.449	83	4168	0.150	ug/L	85
42) Toluene	7.330	91	11119	0.126	ug/L	88
47) Tetrachloroethene	7.895	164	532535	29.569	ug/L	99
49) Dibromochloromethane	7.895	129	495812	27.401	ug/L #	12
61) 1,2,3-Trichloropropane	11.182	75	16239	1.482	ug/L #	60

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QLast Update : Wed Nov 06 22:44:19 2024
Response via : Initial Calibration

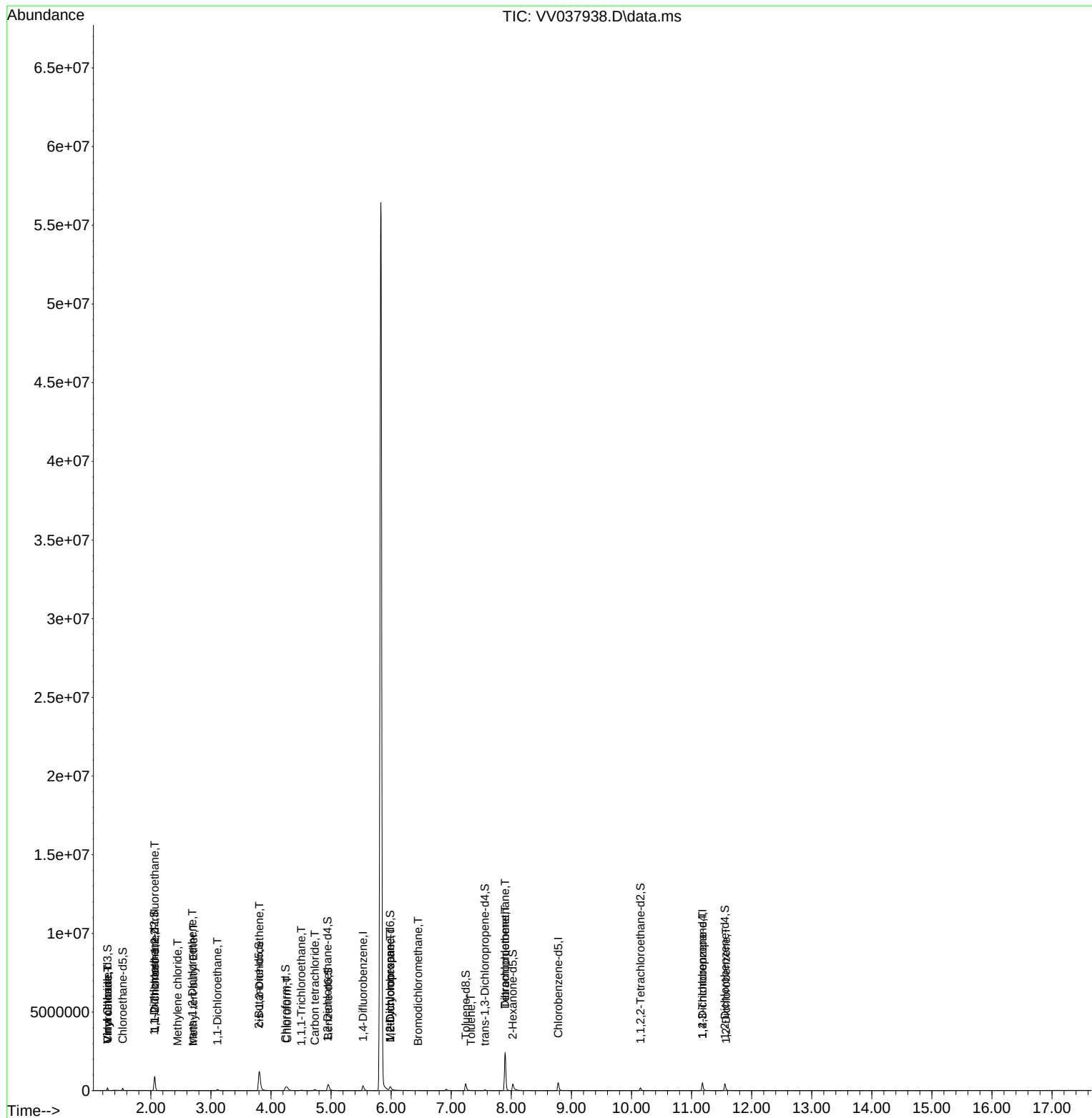
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.574	146	12393	0.324	ug/L	91

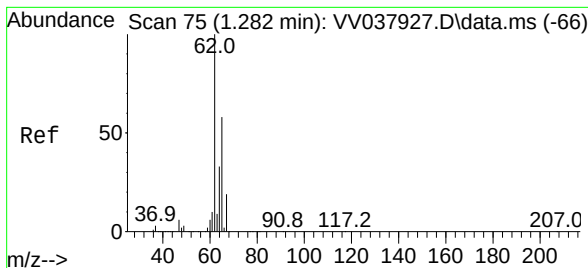
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.478 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV037938.D

Acq: 06 Nov 2024 19:11

Instrument :

MSVOA_V

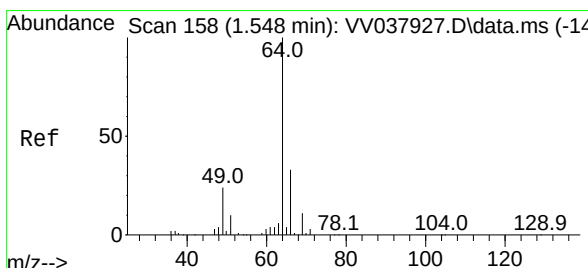
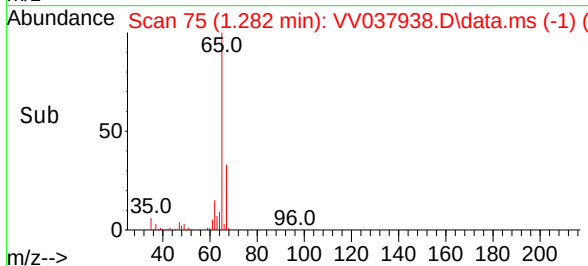
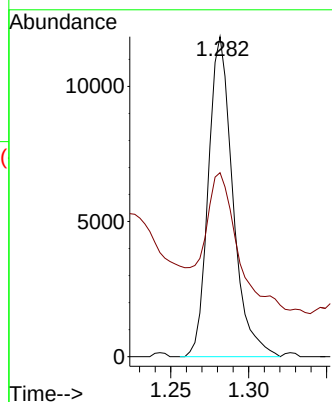
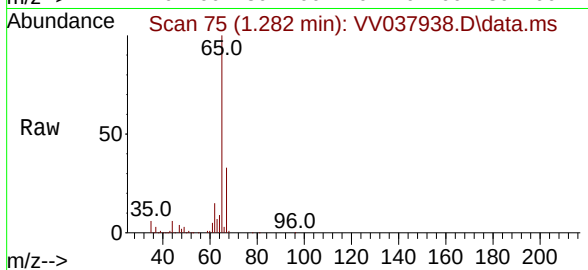
ClientSampleId :

Tgt Ion: 62 Resp: 12916

Ion Ratio Lower Upper

62 100

64 57.5 22.4 41.6#



#8

Chloroethane

Concen: 0.491 ug/L

RT: 1.282 min Scan# 75

Delta R.T. -0.267 min

Lab File: VV037938.D

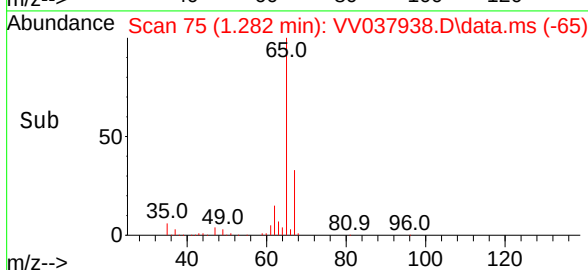
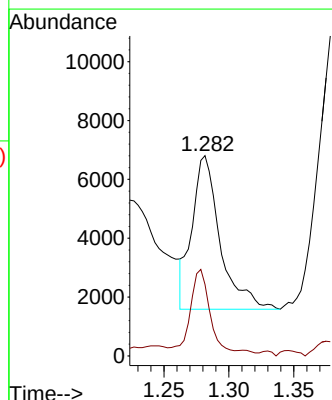
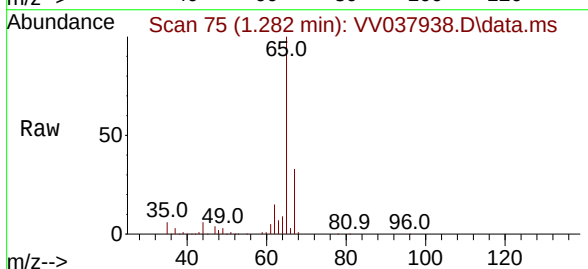
Acq: 06 Nov 2024 19:11

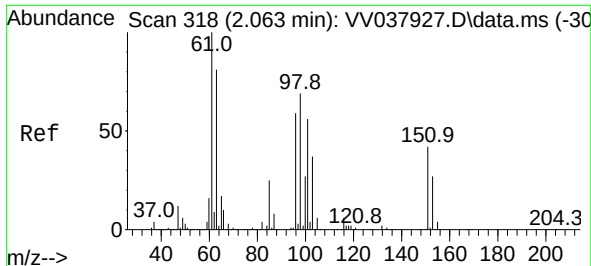
Tgt Ion: 64 Resp: 7882

Ion Ratio Lower Upper

64 100

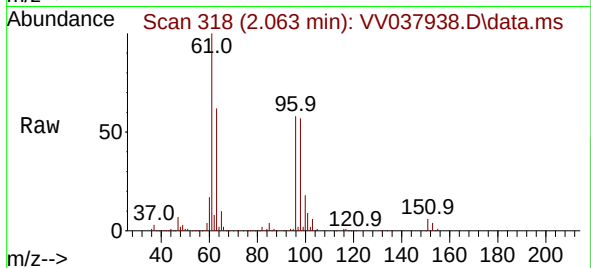
66 35.7 23.0 42.8



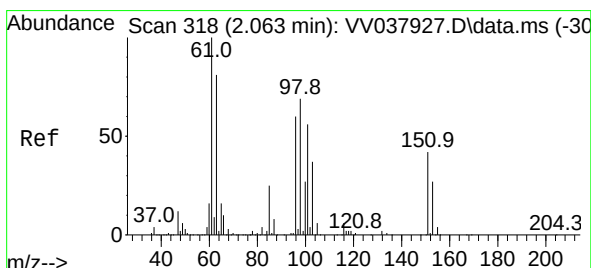
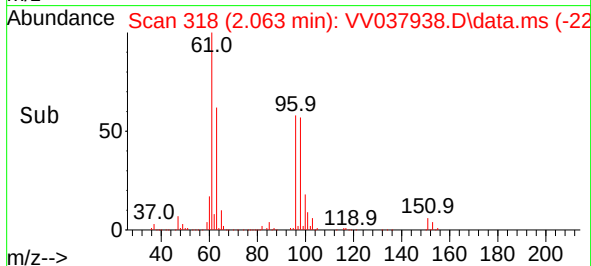
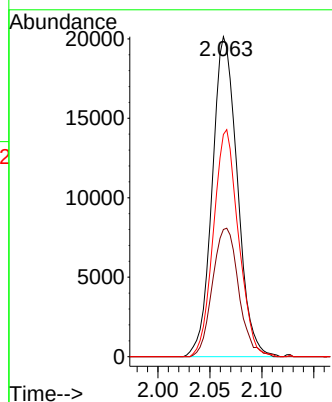


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.580 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. 0.000 min
 Lab File: VV037938.D
 Acq: 06 Nov 2024 19:11

Instrument :
 MSVOA_V
 ClientSampleId :

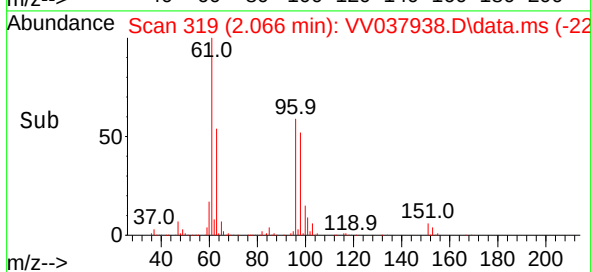
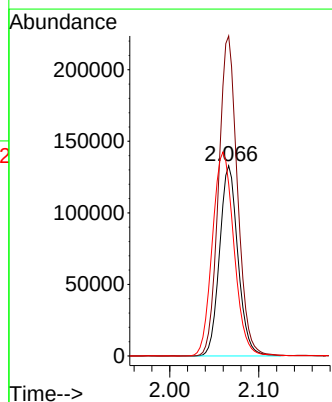
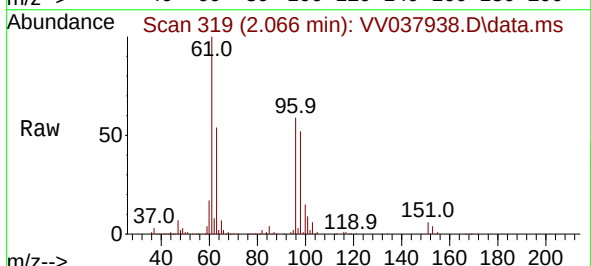


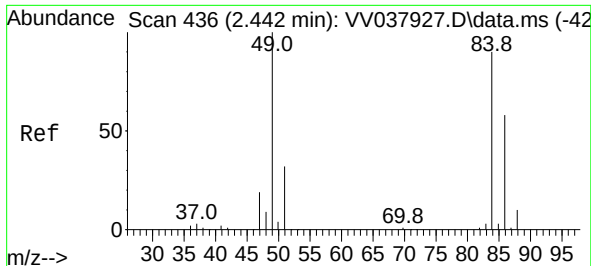
Tgt Ion:101 Resp: 33912
 Ion Ratio Lower Upper
 101 100
 85 41.8 35.0 52.6
 151 70.6 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 9.678 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.003 min
 Lab File: VV037938.D
 Acq: 06 Nov 2024 19:11

Tgt Ion: 96 Resp: 190924
 Ion Ratio Lower Upper
 96 100
 61 168.1 117.4 218.0
 63 90.4 91.7 170.3#

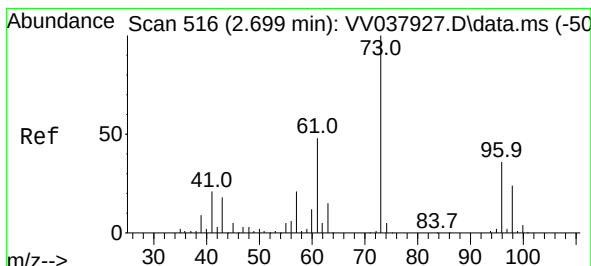
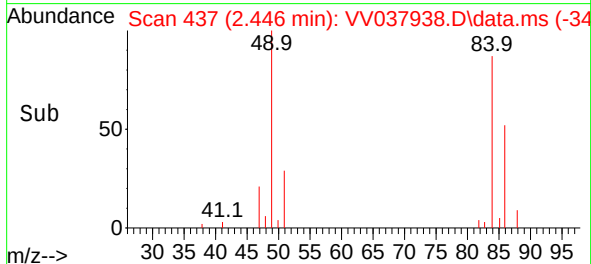
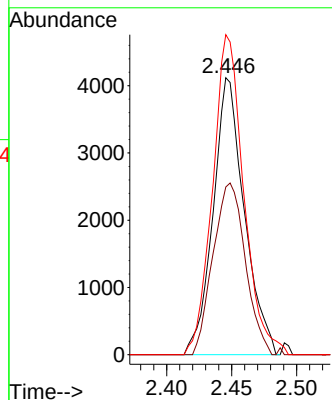
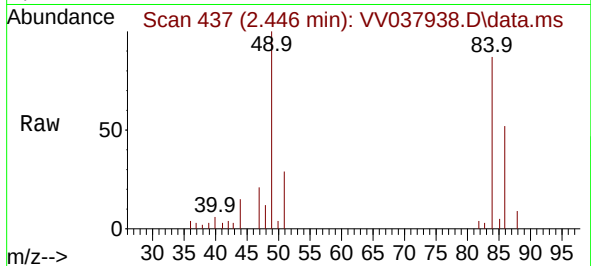




#16
Methylene chloride
Concen: 0.298 ug/L
RT: 2.446 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV037938.D
Acq: 06 Nov 2024 19:11

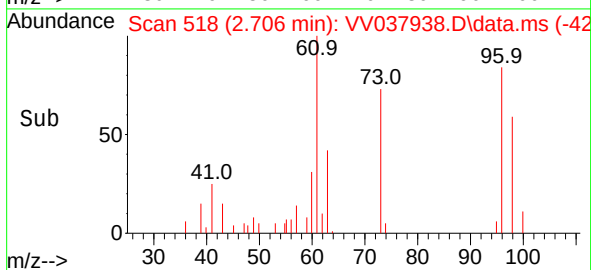
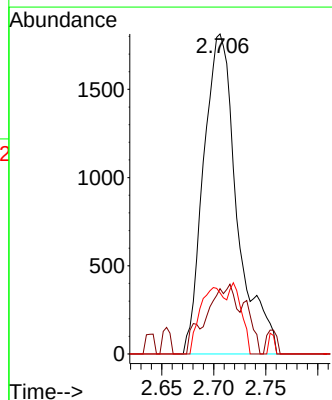
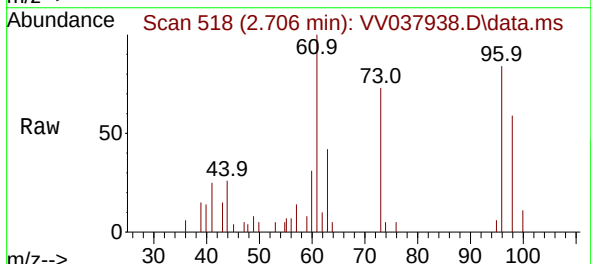
Instrument :
MSVOA_V
ClientSampleId :

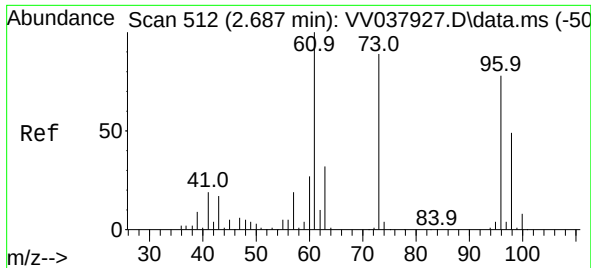
Tgt Ion: 84 Resp: 6871
Ion Ratio Lower Upper
84 100
86 60.5 45.0 83.6
49 115.5 79.2 147.2



#17
Methyl tert-butyl Ether
Concen: 0.092 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.007 min
Lab File: VV037938.D
Acq: 06 Nov 2024 19:11

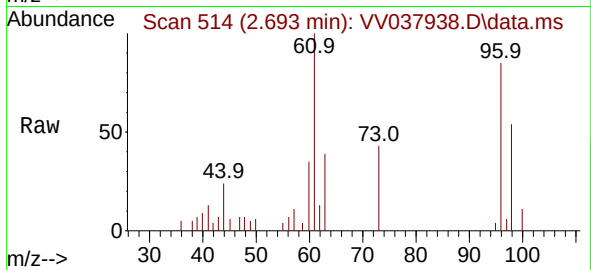
Tgt Ion: 73 Resp: 4061
Ion Ratio Lower Upper
73 100
43 2.9 14.4 21.6#
57 15.6 17.8 26.6#



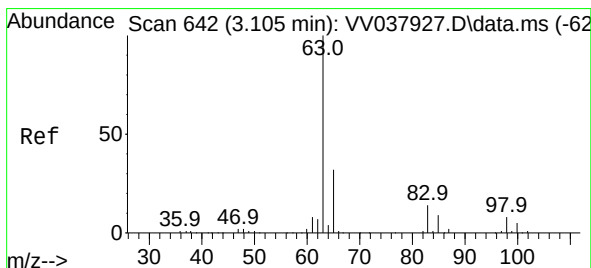
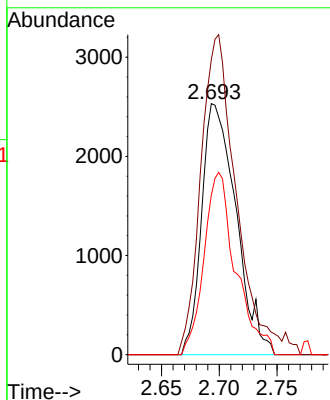
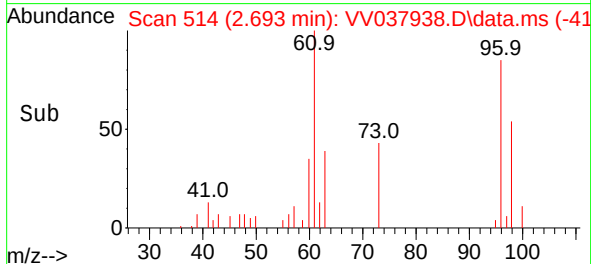


#18
trans-1,2-Dichloroethene
Concen: 0.246 ug/L
RT: 2.693 min Scan# 512
Delta R.T. 0.006 min
Lab File: VV037938.D
Acq: 06 Nov 2024 19:11

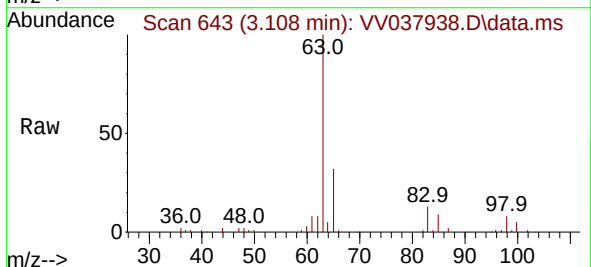
Instrument :
MSVOA_V
ClientSampleId :



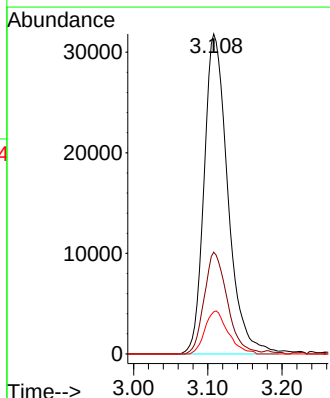
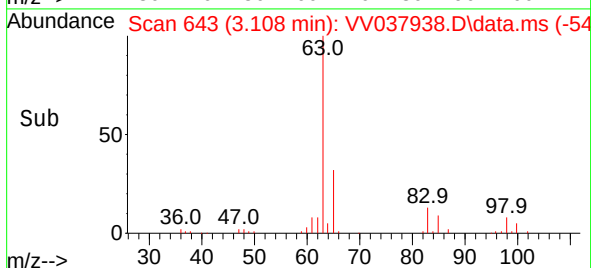
Tgt Ion: 96 Resp: 5240
Ion Ratio Lower Upper
96 100
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98 63.5 44.4 82.4

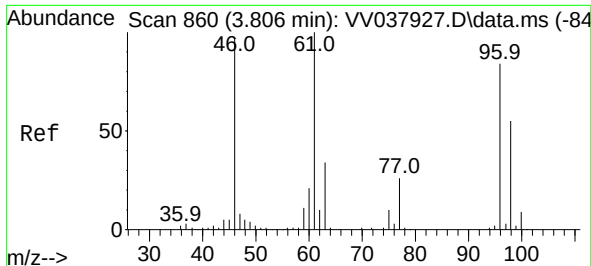


#19
1,1-Dichloroethane
Concen: 1.824 ug/L
RT: 3.108 min Scan# 643
Delta R.T. 0.003 min
Lab File: VV037938.D
Acq: 06 Nov 2024 19:11



Tgt Ion: 63 Resp: 70618
Ion Ratio Lower Upper
63 100
65 31.8 22.3 41.3
83 13.2 9.5 17.7





#22

cis-1,2-Dichloroethene

Concen: 29.333 ug/L

RT: 3.806 min Scan# 80

Delta R.T. 0.000 min

Lab File: VV037938.D

Acq: 06 Nov 2024 19:11

Instrument :

MSVOA_V

ClientSampleId :

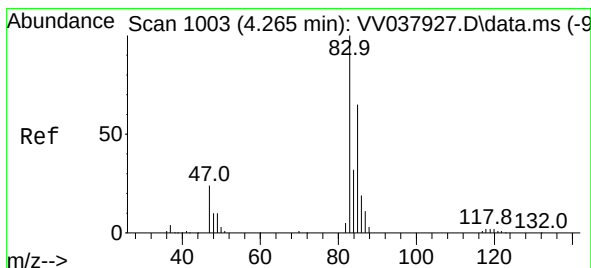
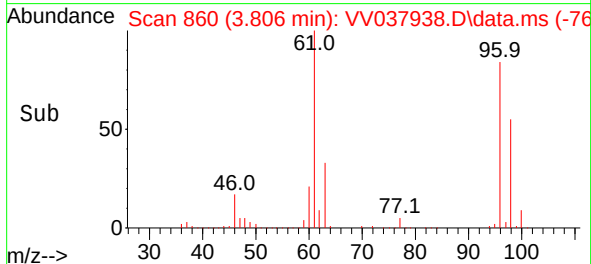
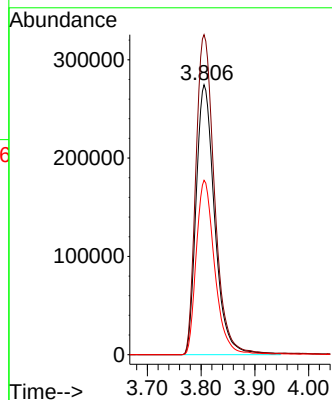
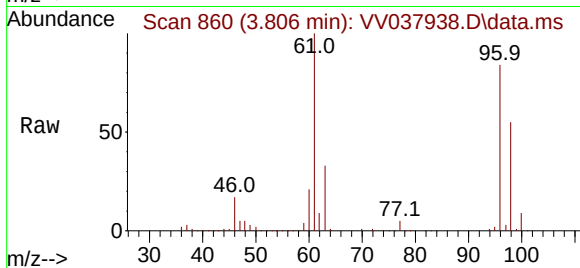
Tgt Ion: 96 Resp: 658625

Ion Ratio Lower Upper

96 100

61 118.6 83.4 154.8

98 64.6 44.6 82.8



#25

Chloroform

Concen: 4.526 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.007 min

Lab File: VV037938.D

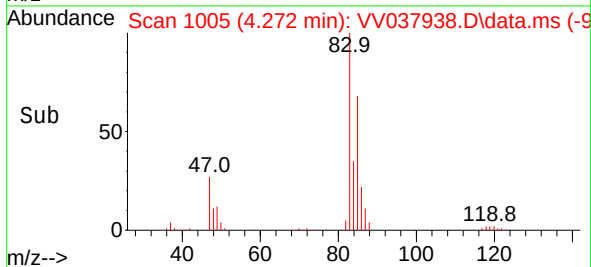
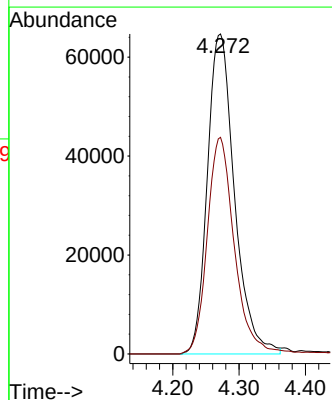
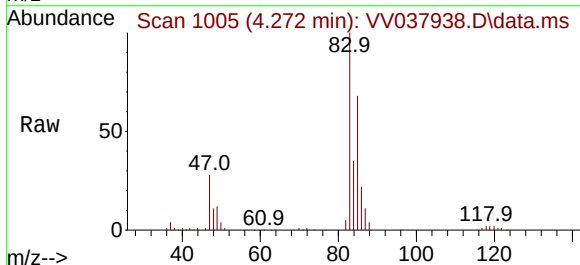
Acq: 06 Nov 2024 19:11

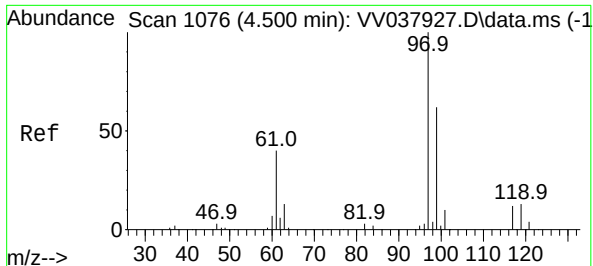
Tgt Ion: 83 Resp: 184061

Ion Ratio Lower Upper

83 100

85 67.7 45.5 84.5

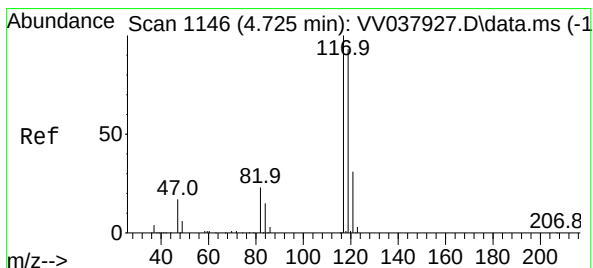
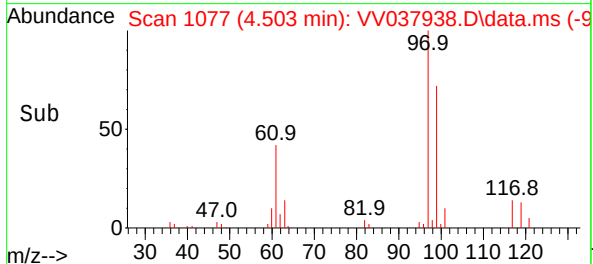
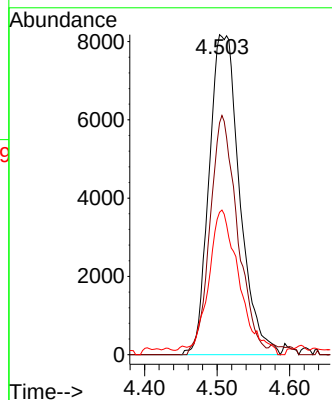
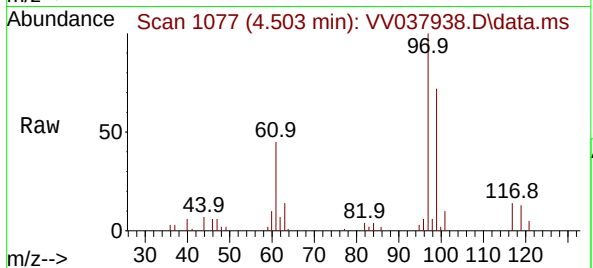




#29
1,1,1-Trichloroethane
Concen: 0.657 ug/L
RT: 4.503 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV037938.D
Acq: 06 Nov 2024 19:11

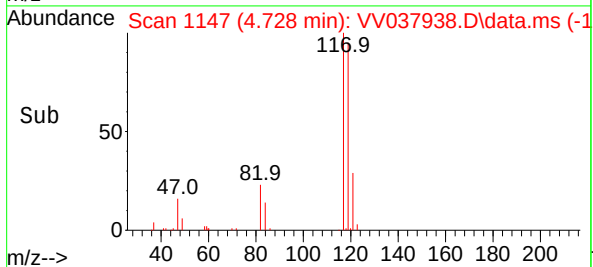
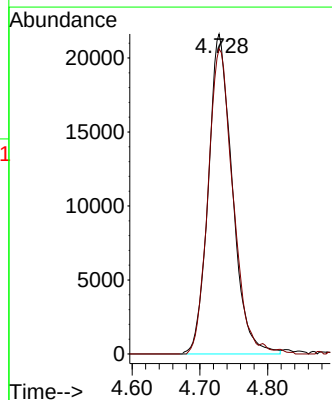
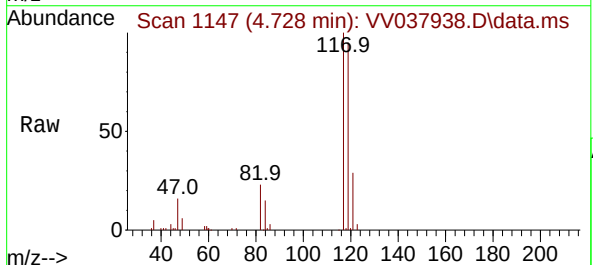
Instrument :
MSVOA_V
ClientSampleId :

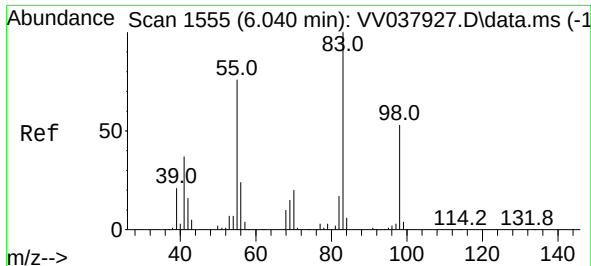
Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.4	52.1	78.1
61	45.2	33.3	49.9



#31
Carbon tetrachloride
Concen: 1.666 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.003 min
Lab File: VV037938.D
Acq: 06 Nov 2024 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.2	115.8





#35

Methylcyclohexane

Concen: 0.760 ug/L

RT: 5.986 min Scan# 1538

Delta R.T. -0.055 min

Lab File: VV037938.D

Acq: 06 Nov 2024 19:11

Instrument :

MSVOA_V

ClientSampleId :

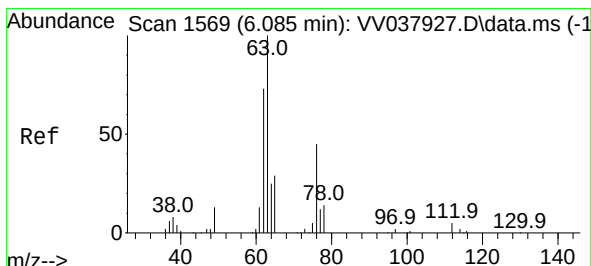
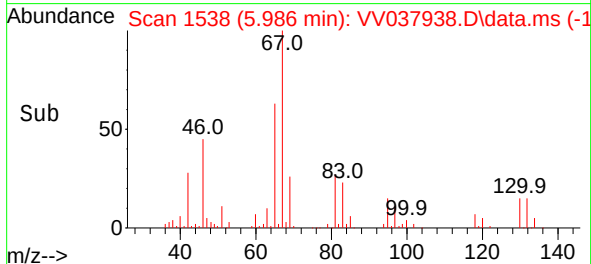
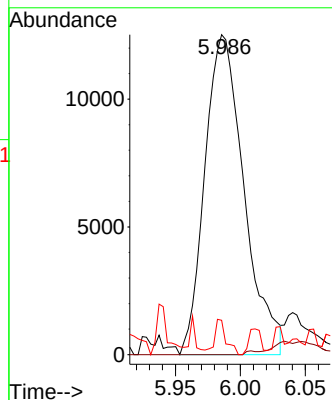
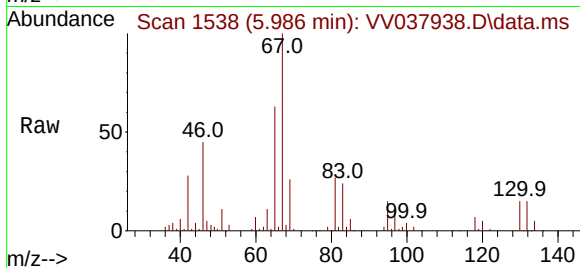
Tgt Ion: 83 Resp: 26234

Ion Ratio Lower Upper

83 100

55 0.4 59.3 88.9#

98 0.0 38.3 57.5#



#37

1,2-Dichloropropane

Concen: 0.611 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.103 min

Lab File: VV037938.D

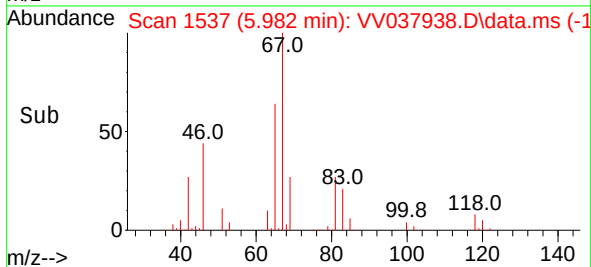
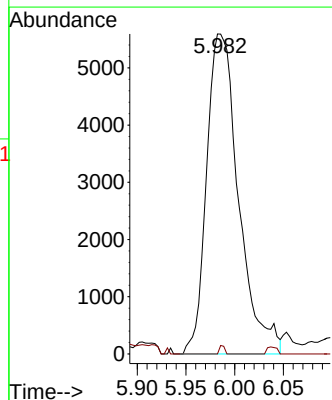
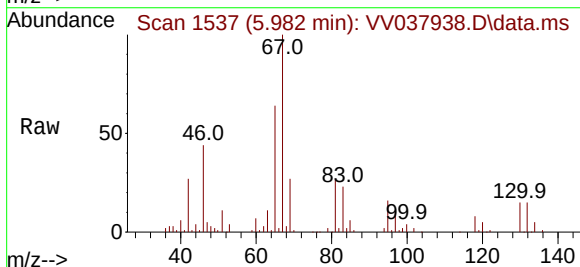
Acq: 06 Nov 2024 19:11

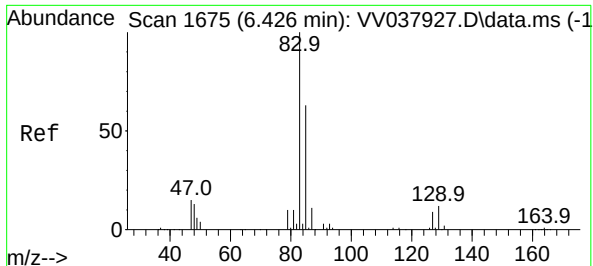
Tgt Ion: 63 Resp: 12783

Ion Ratio Lower Upper

63 100

112 0.4 4.1 6.1#





#38

Bromodichloromethane

Concen: 0.150 ug/L

RT: 6.449 min Scan# 1

Delta R.T. 0.023 min

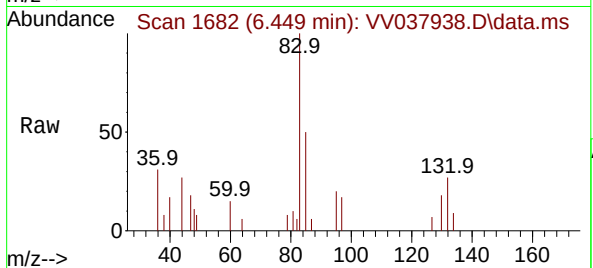
Lab File: VV037938.D

Acq: 06 Nov 2024 19:11

Instrument :

MSVOA_V

ClientSampleId :



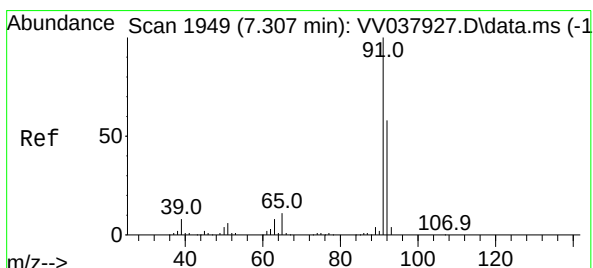
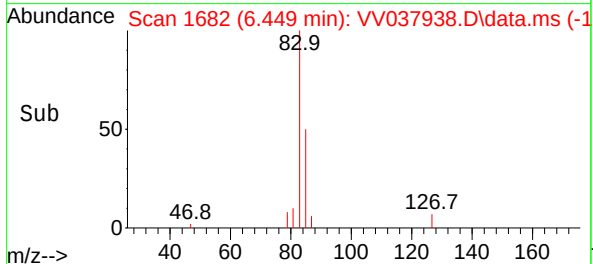
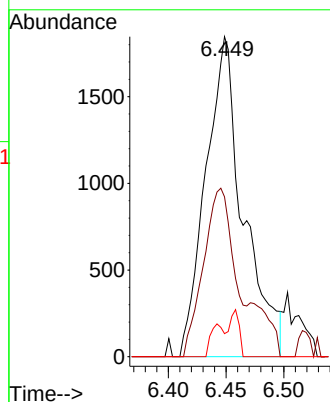
Tgt Ion: 83 Resp: 4168

Ion Ratio Lower Upper

83 100

85 49.9 44.2 82.2

127 7.2 6.8 10.2



#42

Toluene

Concen: 0.126 ug/L

RT: 7.330 min Scan# 1956

Delta R.T. 0.023 min

Lab File: VV037938.D

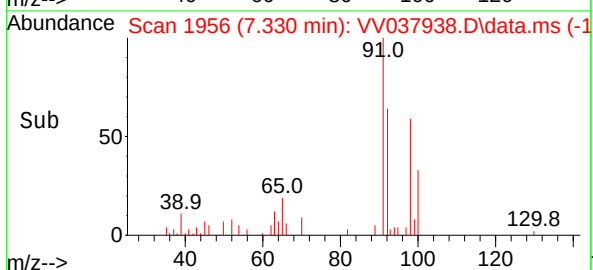
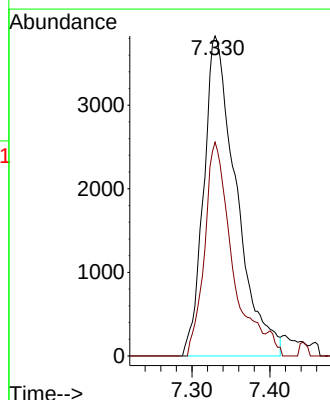
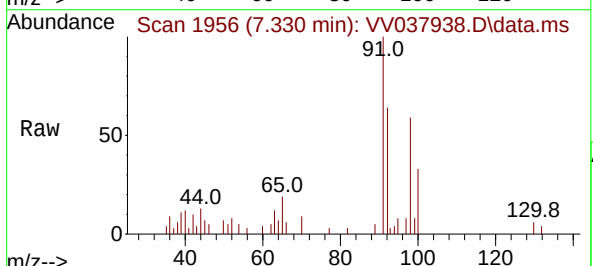
Acq: 06 Nov 2024 19:11

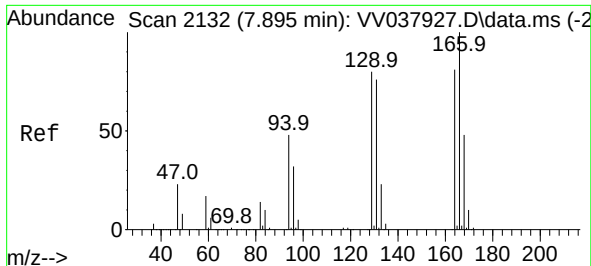
Tgt Ion: 91 Resp: 11119

Ion Ratio Lower Upper

91 100

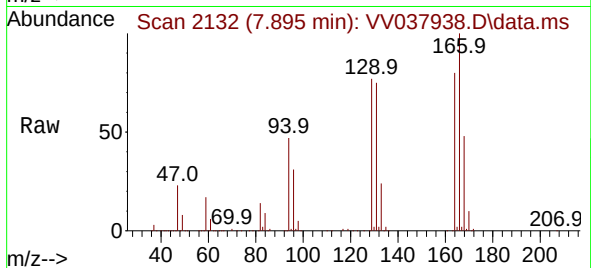
92 66.8 40.7 75.7



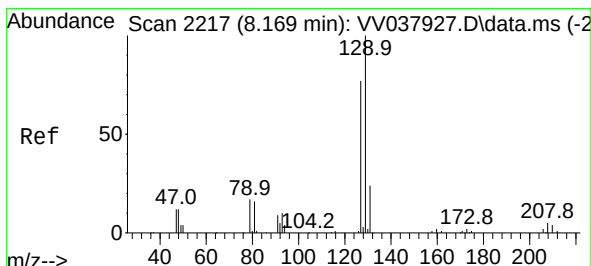
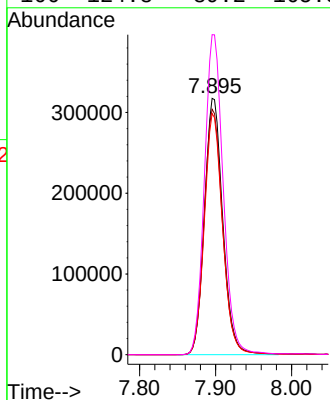
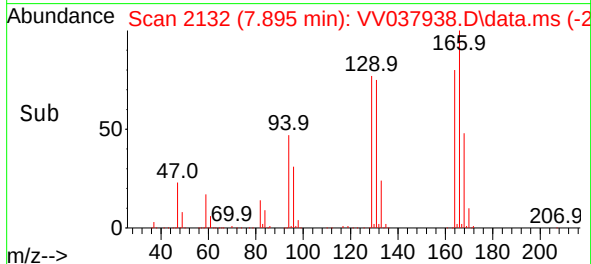


#47
Tetrachloroethene
Concen: 29.569 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV037938.D
Acq: 06 Nov 2024 19:11

Instrument :
MSVOA_V
ClientSampleId :

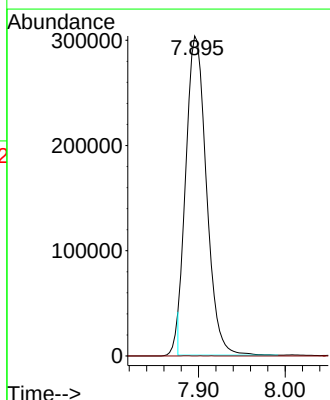
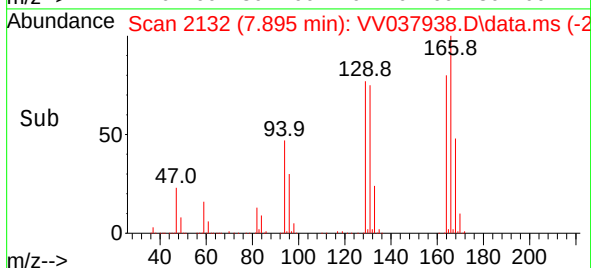
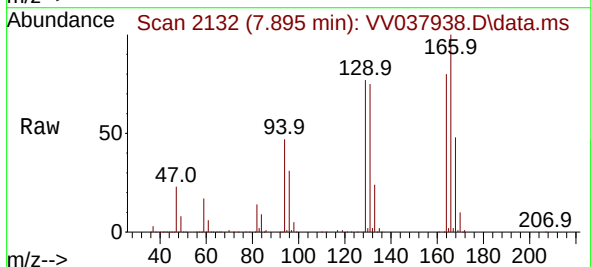


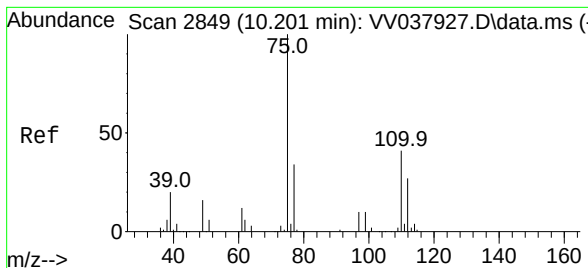
Tgt Ion:164 Resp: 532535
Ion Ratio Lower Upper
164 100
129 95.8 66.8 124.2
131 94.0 65.2 121.2
166 124.8 89.2 165.8



#49
Dibromochloromethane
Concen: 27.401 ug/L
RT: 7.895 min Scan# 2132
Delta R.T. -0.273 min
Lab File: VV037938.D
Acq: 06 Nov 2024 19:11

Tgt Ion:129 Resp: 495812
Ion Ratio Lower Upper
129 100
127 0.0 52.2 97.0#





#61

1,2,3-Trichloropropane

Concen: 1.482 ug/L

RT: 11.182 min Scan# 3154

Delta R.T. 0.981 min

Lab File: VV037938.D

Acq: 06 Nov 2024 19:11

Instrument :

MSVOA_V

ClientSampleId :

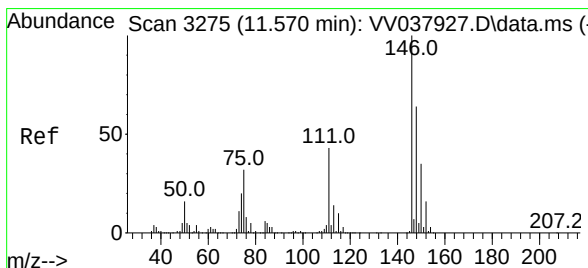
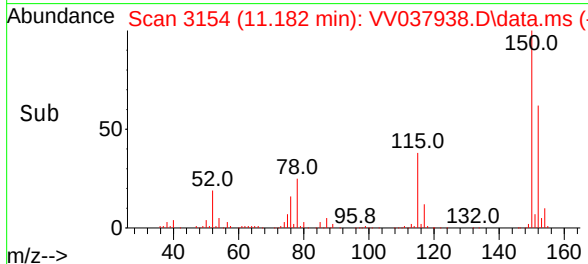
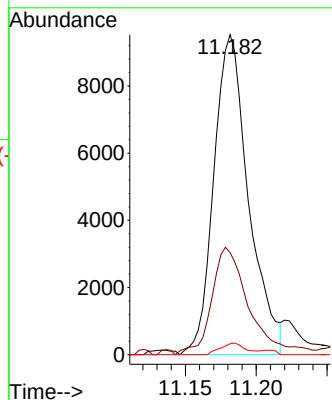
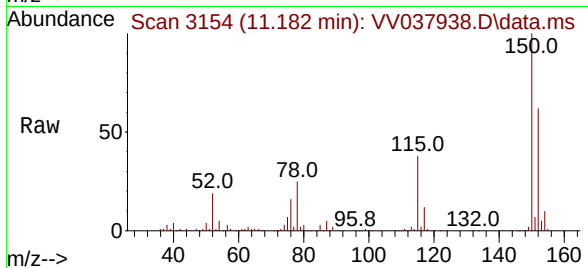
Tgt Ion: 75 Resp: 16239

Ion Ratio Lower Upper

75 100

77 36.2 24.9 37.3

110 2.6 33.5 50.3#



#67

1,2-Dichlorobenzene

Concen: 0.324 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV037938.D

Acq: 06 Nov 2024 19:11

Tgt Ion:146 Resp: 12393

Ion Ratio Lower Upper

146 100

111 49.9 33.9 50.9

148 58.5 51.4 77.2

