

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112124\
 Data File : VV038253.D
 Acq On : 21 Nov 2024 20:50
 Operator : SY/MD
 Sample : P4884-02
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:52:51 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	250243	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	276064	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	115625	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	68722	3.583	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.600%
7) Chloroethane-d5	1.526	69	66526	4.288	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.800%
11) 1,1-Dichloroethene-d2	2.053	65	31649	3.834	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.600%
20) 2-Butanone-d5	3.780	46	186896	48.709	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.420%
24) Chloroform-d	4.239	84	160461	4.311	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	4.934	65	80230	4.803	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	4.950	84	282931	3.965	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.400%
36) 1,2-Dichloropropane-d6	5.982	67	92772	4.225	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.600%
41) Toluene-d8	7.236	98	223221	3.381	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.600%#
43) trans-1,3-Dichloroprop...	7.558	79	26754	3.278	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.600%
46) 2-Hexanone-d5	8.017	63	145945	45.996	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.000%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	81779	4.388	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	11.554	152	95793	4.863	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	1.709	101	890675	27.092	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	14784	0.788	ug/L	98
13) Acetone	1.841	43	1850367	652.033	ug/L	41
16) Methylene chloride	2.442	84	34463	1.691	ug/L	98
17) Methyl tert-butyl Ether	2.696	73	97859	2.422	ug/L	100
19) 1,1-Dichloroethane	3.104	63	100725	2.947	ug/L	98
22) cis-1,2-Dichloroethene	3.821	96	3095	0.159	ug/L	90
25) Chloroform	4.268	83	12038	0.329	ug/L	99
27) 1,2-Dichloroethane	5.056	62	5198	0.261	ug/L	96
29) 1,1,1-Trichloroethane	4.503	97	71373	2.156	ug/L	98
31) Carbon tetrachloride	4.500	117	9066	0.310	ug/L	94
34) Trichloroethene	5.831	95	39766	1.881	ug/L	96
35) Methylcyclohexane	5.982	83	24094	0.806	ug/L #	19
42) Toluene	7.323	91	20913	0.255	ug/L	97
47) Tetrachloroethene	7.899	164	54956	3.235	ug/L	98
49) Dibromochloromethane	7.899	129	52956	3.083	ug/L #	11
51) Chlorobenzene	8.812	112	14787	0.261	ug/L #	86
61) 1,2,3-Trichloropropane	11.178	75	13131	1.326	ug/L #	66
67) 1,2-Dichlorobenzene	11.577	146	6607	0.200	ug/L	97

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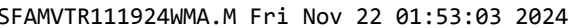
Instrument :
MSVOA_V
ClientSampleId :

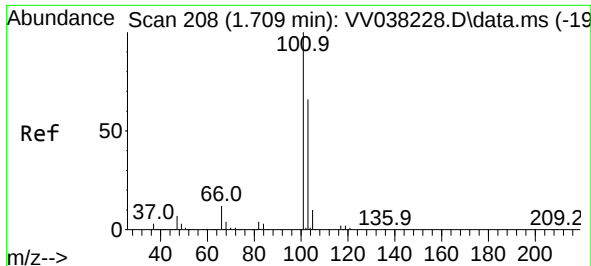
Quant Time: Nov 22 01:52:51 2024
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 22 01:41:27 2024
Response via : Initial Calibration

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

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

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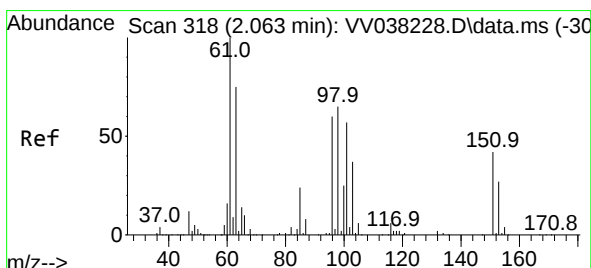
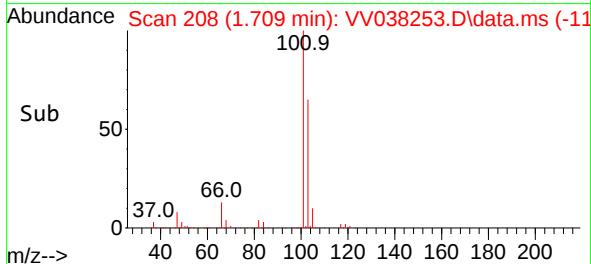
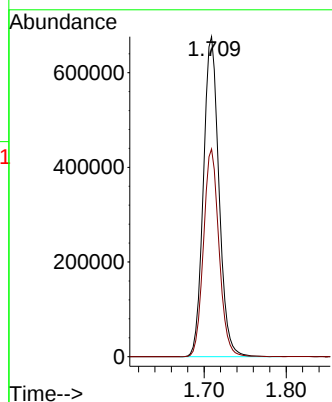
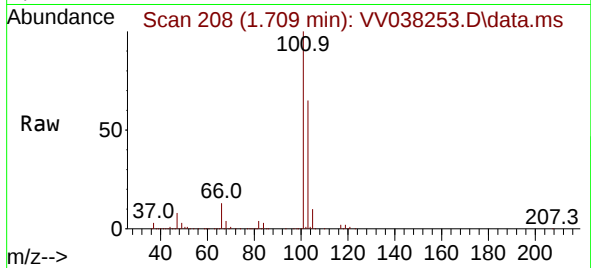




#9
 Trichlorofluoromethane
 Concen: 27.092 ug/L
 RT: 1.709 min Scan# 208
 Delta R.T. -0.000 min
 Lab File: VV038253.D
 Acq: 21 Nov 2024 20:50

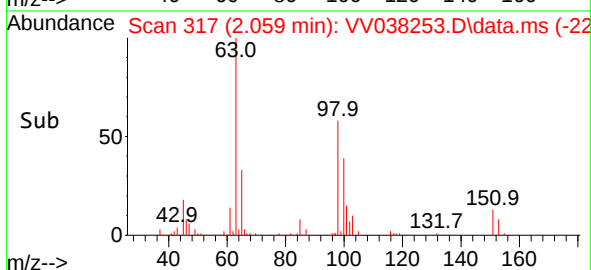
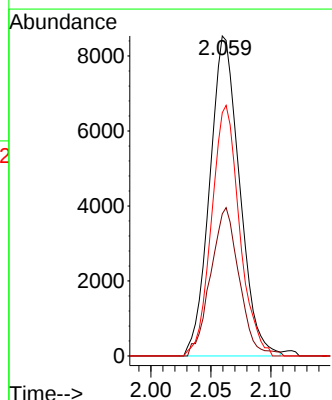
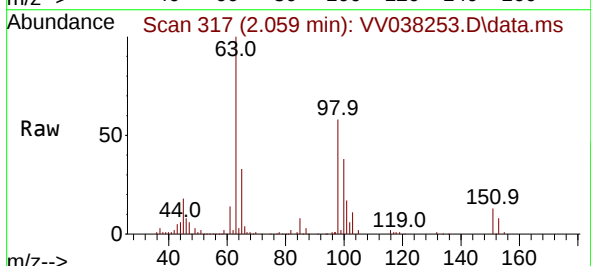
Instrument :
 MSVOA_V
 ClientSampleId :

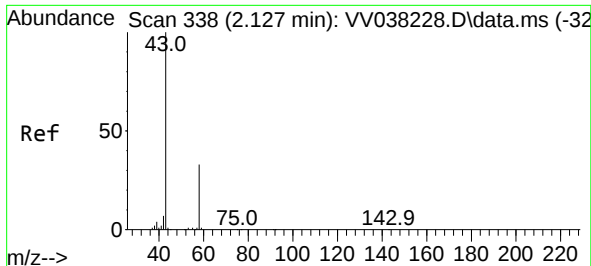
Tgt Ion:101 Resp: 890675
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.788 ug/L
 RT: 2.059 min Scan# 317
 Delta R.T. -0.003 min
 Lab File: VV038253.D
 Acq: 21 Nov 2024 20:50

Tgt Ion:101 Resp: 14784
 Ion Ratio Lower Upper
 101 100
 85 44.2 33.4 50.0
 151 73.1 58.8 88.2





#13

Acetone

Concen: 652.033 ug/L

RT: 1.841 min Scan# 249

Delta R.T. -0.286 min

Lab File: VV038253.D

Acq: 21 Nov 2024 20:50

Instrument :

MSVOA_V

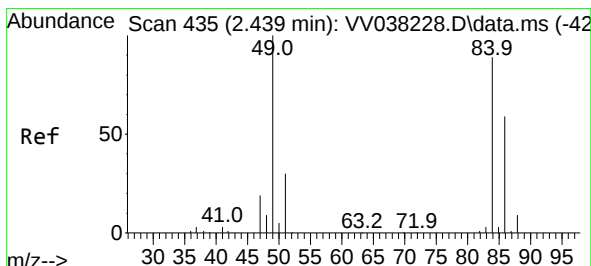
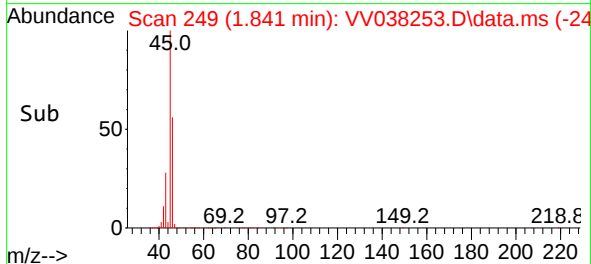
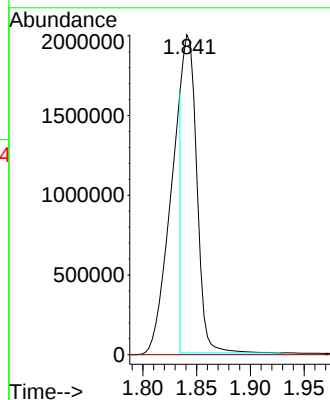
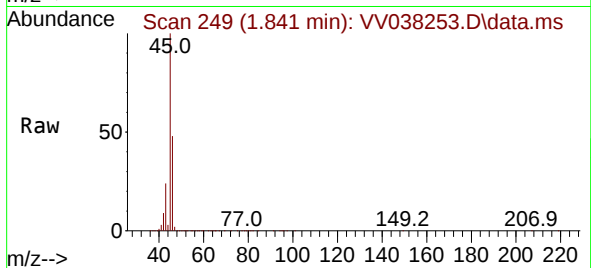
ClientSampleId :

Tgt Ion: 43 Resp: 1850367

Ion Ratio Lower Upper

43 100

58 0.0 0.0 67.2



#16

Methylene chloride

Concen: 1.691 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV038253.D

Acq: 21 Nov 2024 20:50

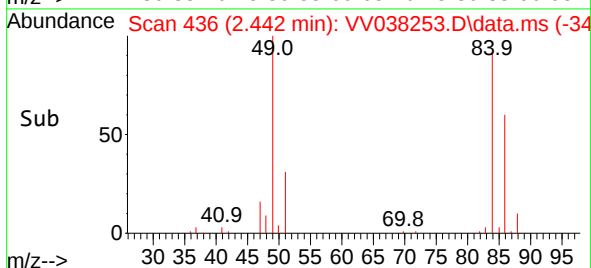
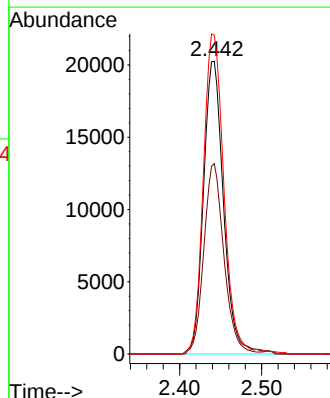
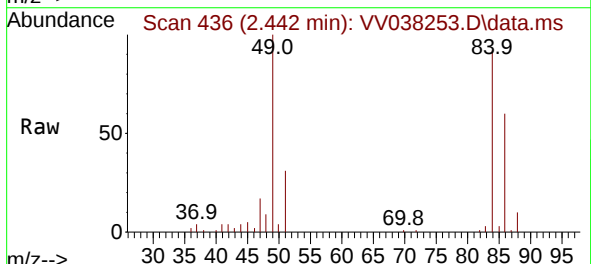
Tgt Ion: 84 Resp: 34463

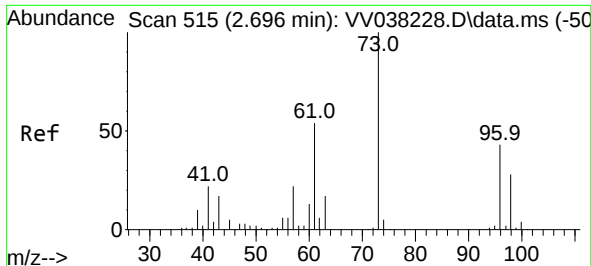
Ion Ratio Lower Upper

84 100

86 65.0 44.2 82.2

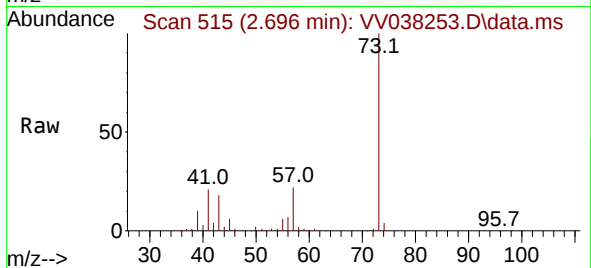
49 108.9 74.9 139.1



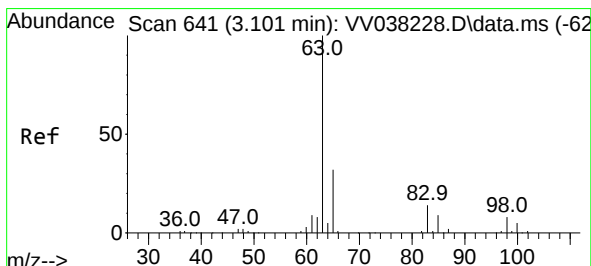
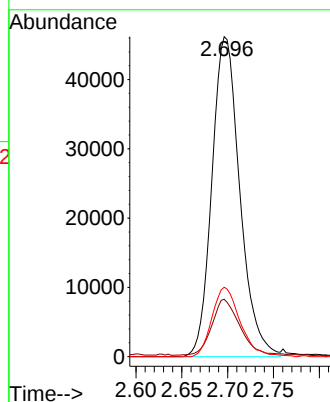
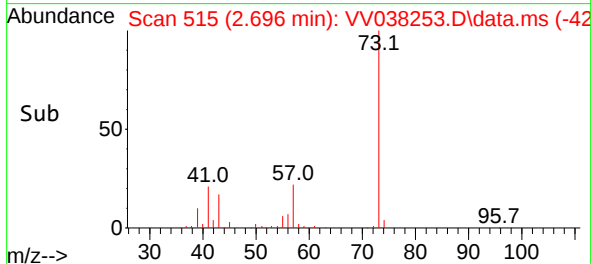


#17
Methyl tert-butyl Ether
Concen: 2.422 ug/L
RT: 2.696 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV038253.D
Acq: 21 Nov 2024 20:50

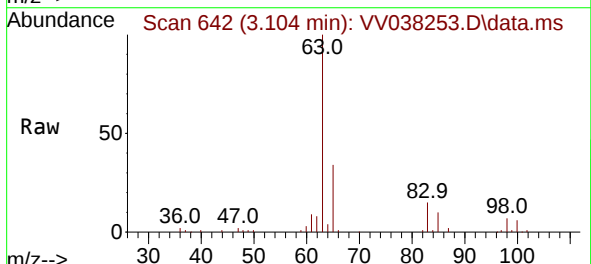
Instrument :
MSVOA_V
ClientSampleId :



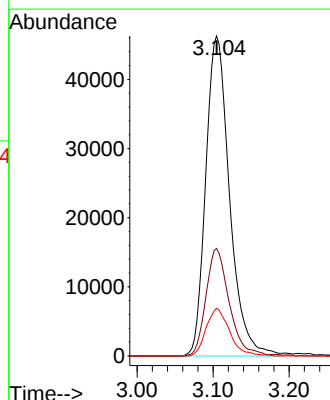
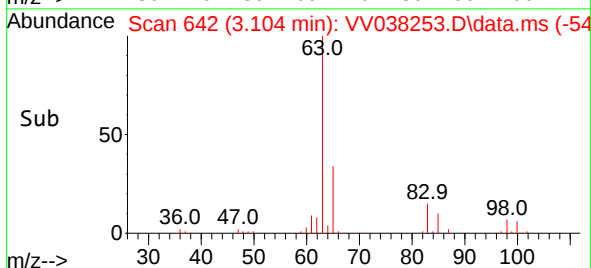
Tgt Ion: 73 Resp: 97859
Ion Ratio Lower Upper
73 100
43 17.5 14.2 21.2
57 21.8 17.6 26.4

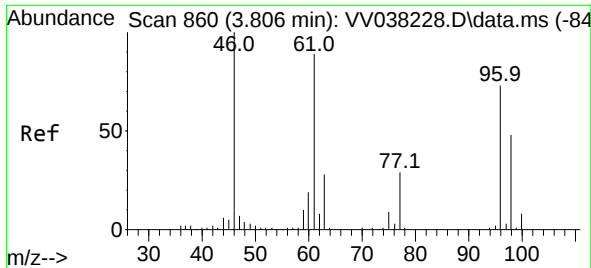


#19
1,1-Dichloroethane
Concen: 2.947 ug/L
RT: 3.104 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV038253.D
Acq: 21 Nov 2024 20:50



Tgt Ion: 63 Resp: 100725
Ion Ratio Lower Upper
63 100
65 33.6 22.5 41.7
83 14.9 10.1 18.9

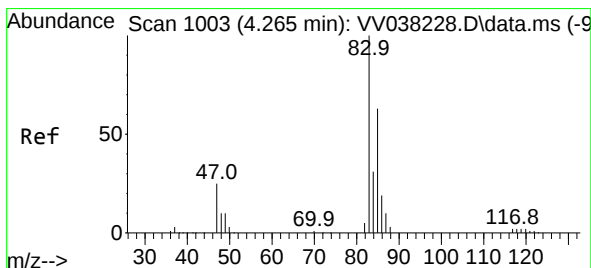
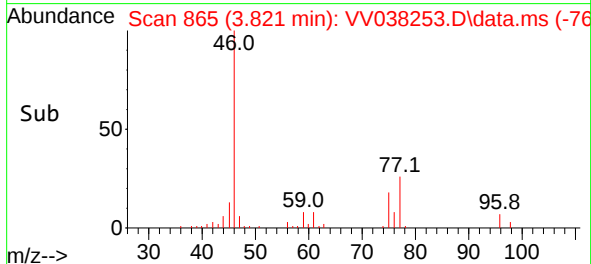
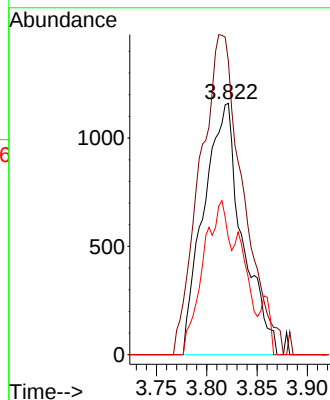
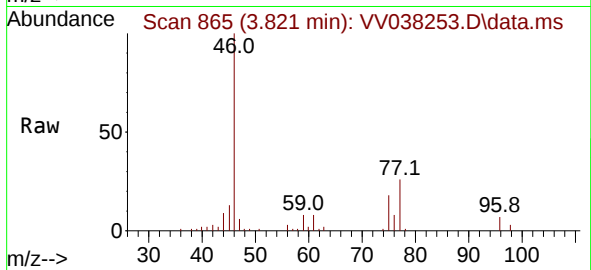




#22
 cis-1,2-Dichloroethene
 Concen: 0.159 ug/L
 RT: 3.821 min Scan# 865
 Delta R.T. 0.016 min
 Lab File: VV038253.D
 Acq: 21 Nov 2024 20:50

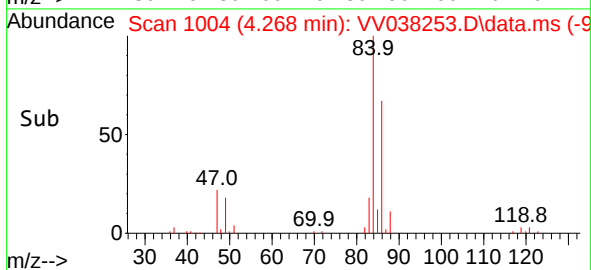
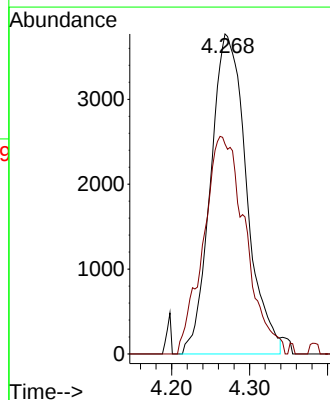
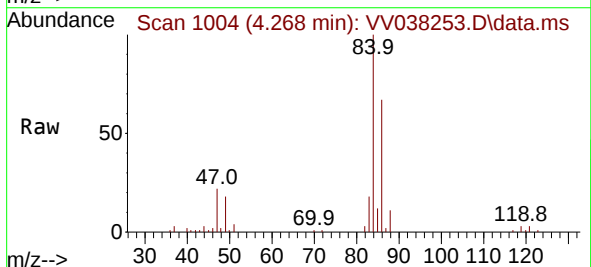
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 MSVOA_V
 ClientSampleId :

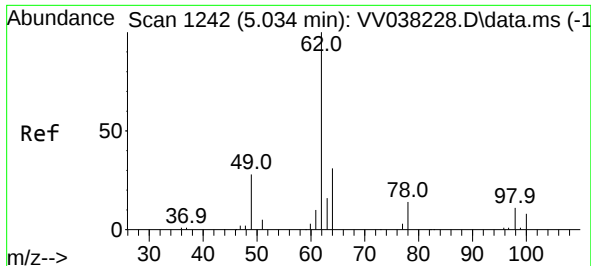
Tgt Ion: 96 Resp: 3095
 Ion Ratio Lower Upper
 96 100
 61 116.9 82.7 153.5
 98 46.4 46.3 85.9



#25
 Chloroform
 Concen: 0.329 ug/L
 RT: 4.268 min Scan# 1004
 Delta R.T. 0.003 min
 Lab File: VV038253.D
 Acq: 21 Nov 2024 20:50

Tgt Ion: 83 Resp: 12038
 Ion Ratio Lower Upper
 83 100
 85 65.6 46.5 86.3





#27

1,2-Dichloroethane

Concen: 0.261 ug/L

RT: 5.056 min Scan# 11

Delta R.T. 0.022 min

Lab File: VV038253.D

Acq: 21 Nov 2024 20:50

Instrument :

MSVOA_V

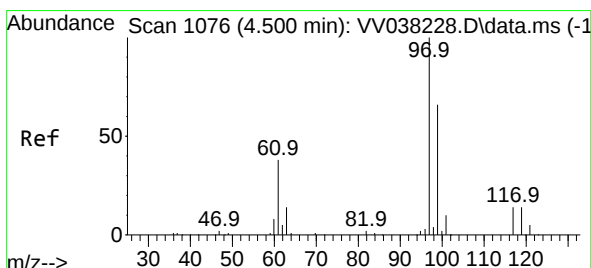
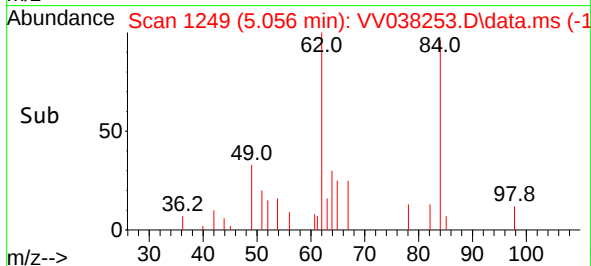
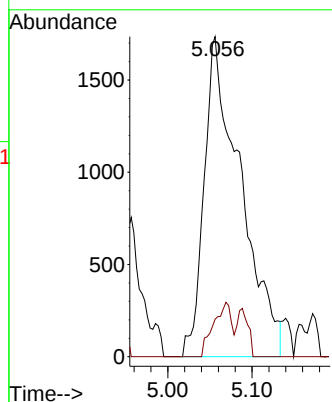
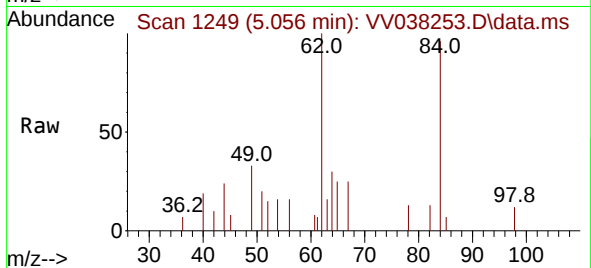
ClientSampleId :

Tgt Ion: 62 Resp: 5198

Ion Ratio Lower Upper

62 100

98 11.7 8.2 12.4



#29

1,1,1-Trichloroethane

Concen: 2.156 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV038253.D

Acq: 21 Nov 2024 20:50

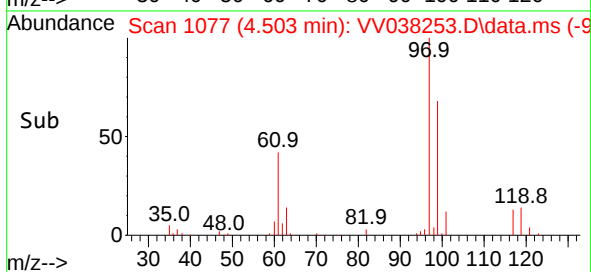
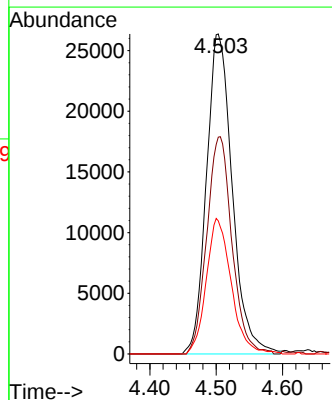
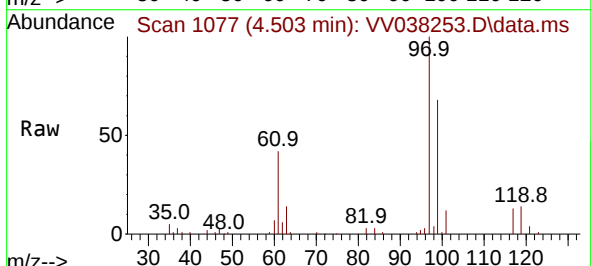
Tgt Ion: 97 Resp: 71373

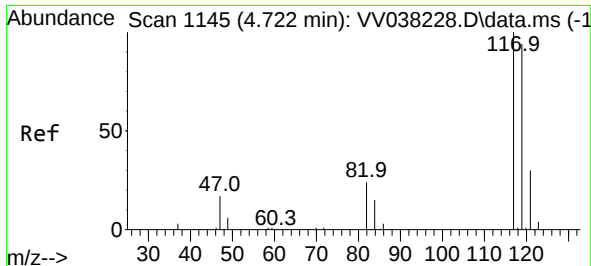
Ion Ratio Lower Upper

97 100

99 66.3 51.8 77.8

61 40.9 32.2 48.2

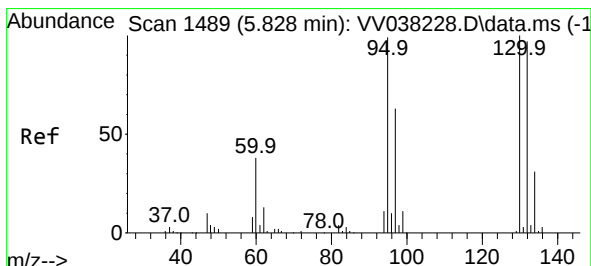
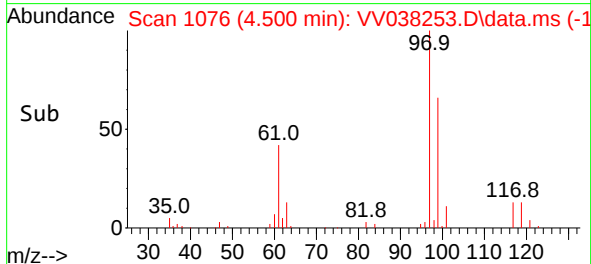
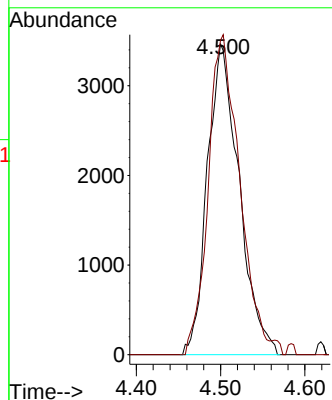
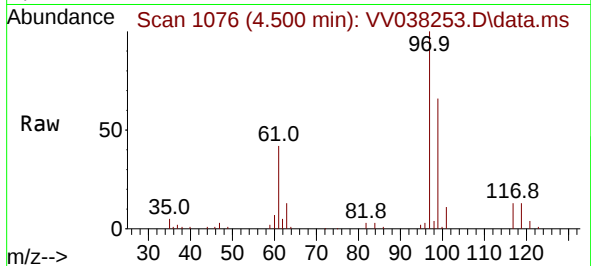




#31
Carbon tetrachloride
Concen: 0.310 ug/L
RT: 4.500 min Scan# 1145
Delta R.T. -0.222 min
Lab File: VV038253.D
Acq: 21 Nov 2024 20:50

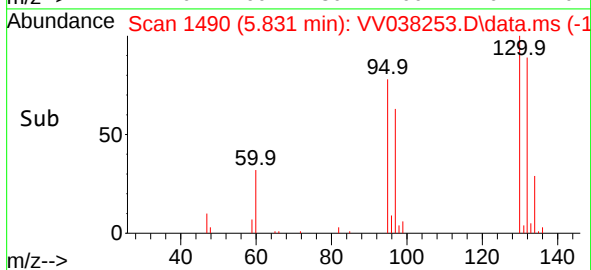
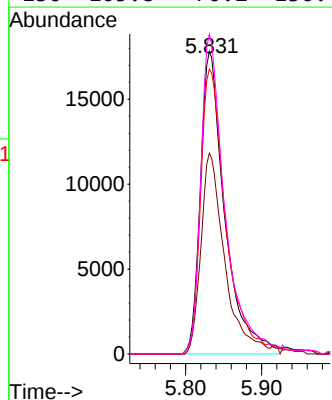
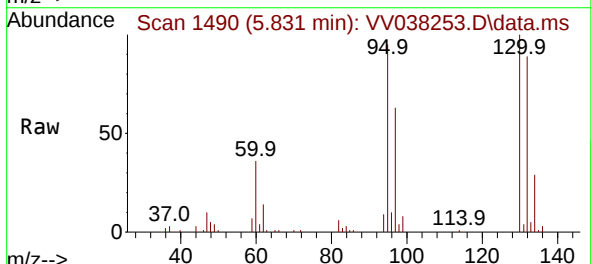
Instrument :
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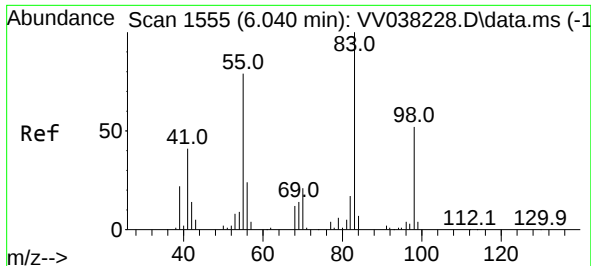
Tgt Ion:117 Resp: 9066
Ion Ratio Lower Upper
117 100
119 102.9 77.4 116.2



#34
Trichloroethene
Concen: 1.881 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. 0.003 min
Lab File: VV038253.D
Acq: 21 Nov 2024 20:50

Tgt Ion: 95 Resp: 39766
Ion Ratio Lower Upper
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97 66.4 44.8 83.2
132 94.2 68.3 126.8
130 105.8 70.2 130.4

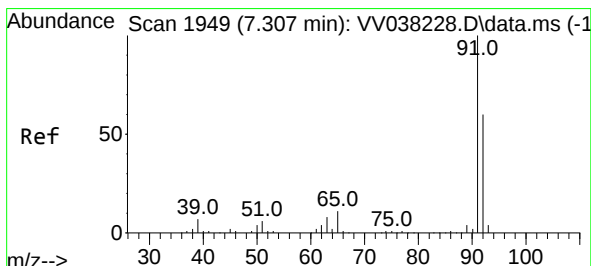
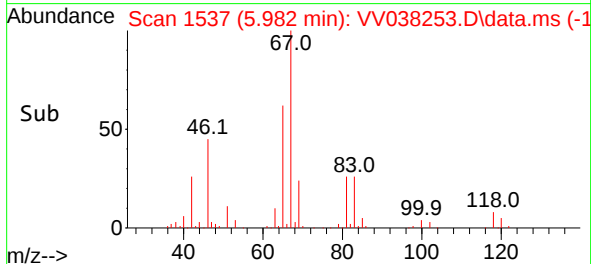
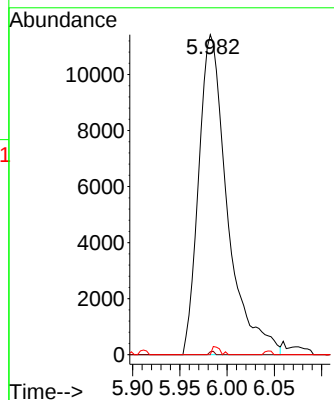
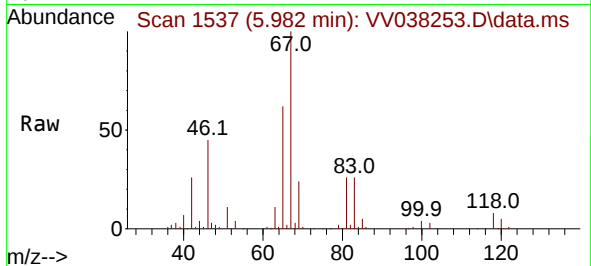




#35
Methylcyclohexane
Concen: 0.806 ug/L
RT: 5.982 min Scan# 11
Delta R.T. -0.058 min
Lab File: VV038253.D
Acq: 21 Nov 2024 20:50

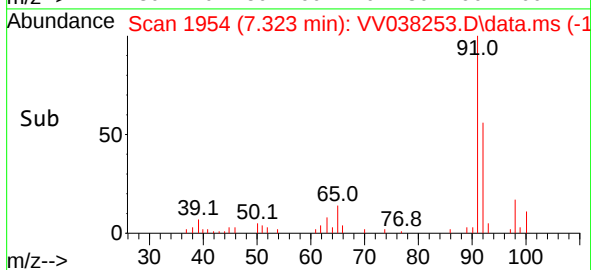
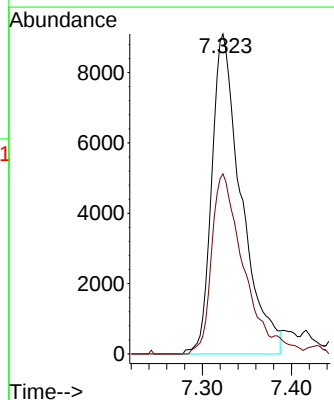
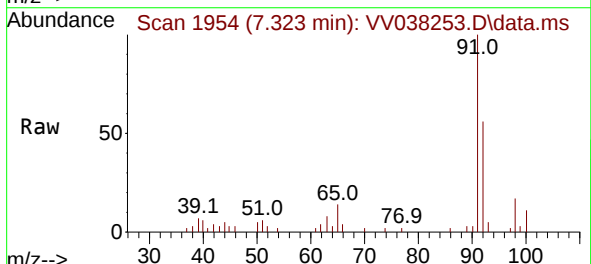
Instrument :
MSVOA_V
ClientSampleId :

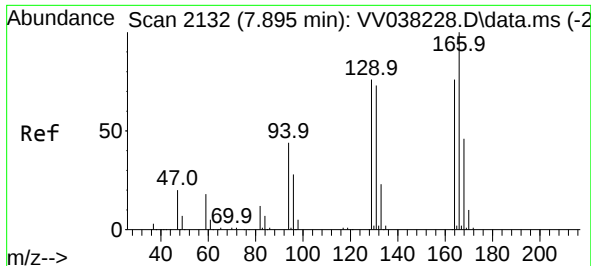
Tgt Ion: 83 Resp: 24094
Ion Ratio Lower Upper
83 100
55 0.2 59.7 89.5#
98 0.7 39.0 58.4#



#42
Toluene
Concen: 0.255 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.016 min
Lab File: VV038253.D
Acq: 21 Nov 2024 20:50

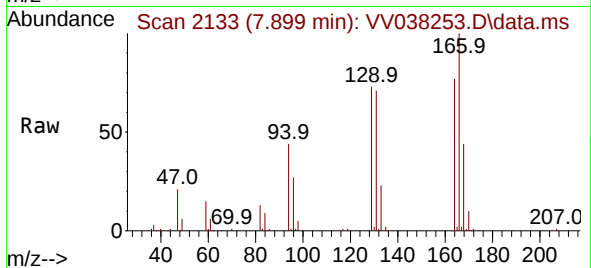
Tgt Ion: 91 Resp: 20913
Ion Ratio Lower Upper
91 100
92 56.3 40.8 75.8



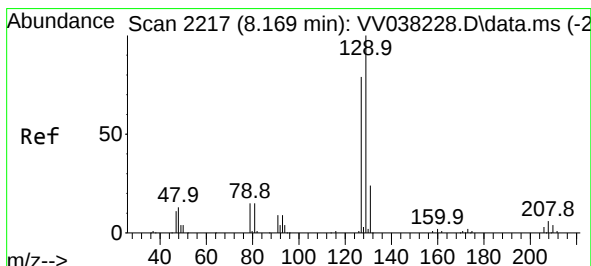
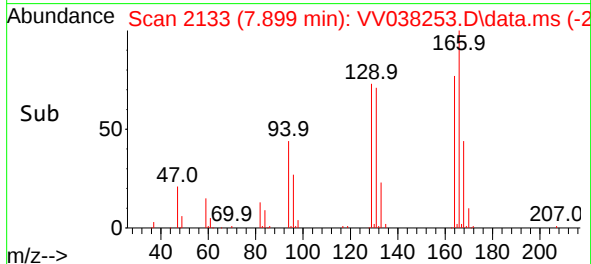
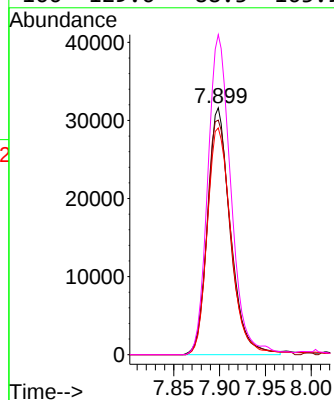


#47
Tetrachloroethene
Concen: 3.235 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV038253.D
Acq: 21 Nov 2024 20:50

Instrument :
MSVOA_V
ClientSampleId :

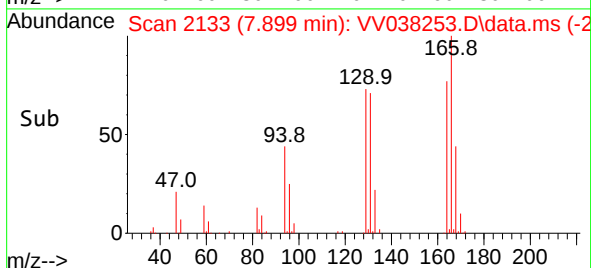
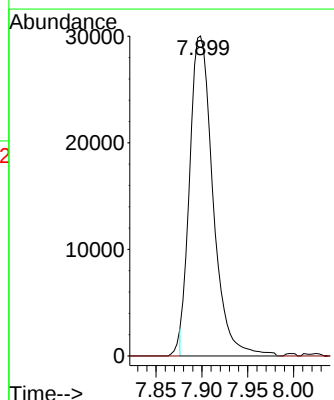
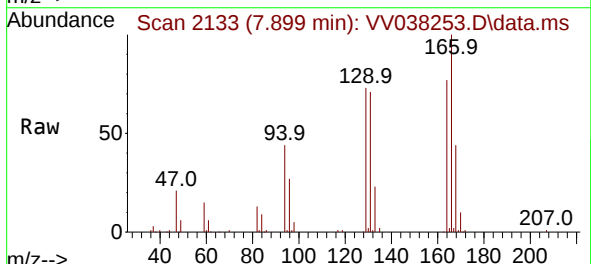


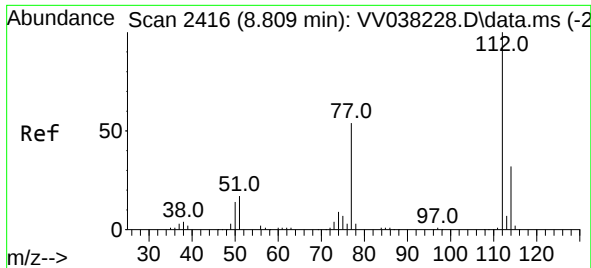
Tgt Ion:164 Resp: 54956
Ion Ratio Lower Upper
164 100
129 95.0 68.5 127.1
131 91.9 64.8 120.4
166 129.6 88.3 163.9



#49
Dibromochloromethane
Concen: 3.083 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. -0.270 min
Lab File: VV038253.D
Acq: 21 Nov 2024 20:50

Tgt Ion:129 Resp: 52956
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#

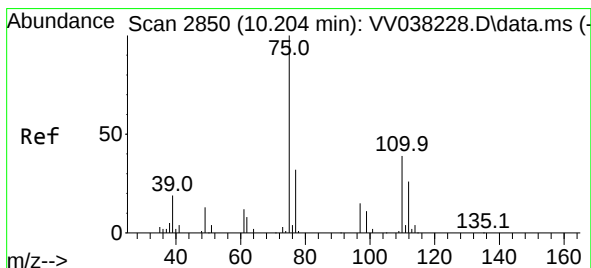
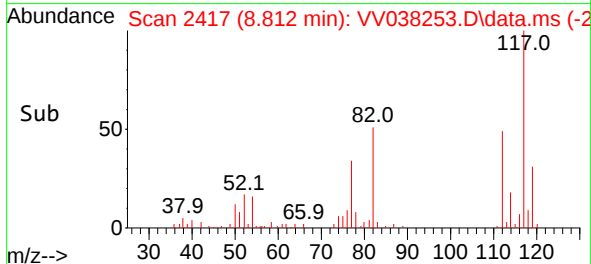
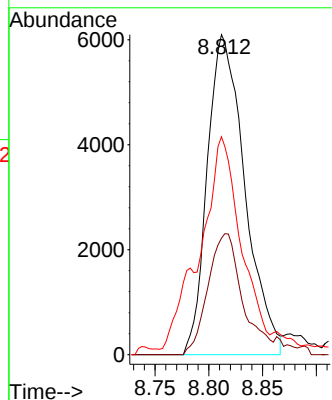
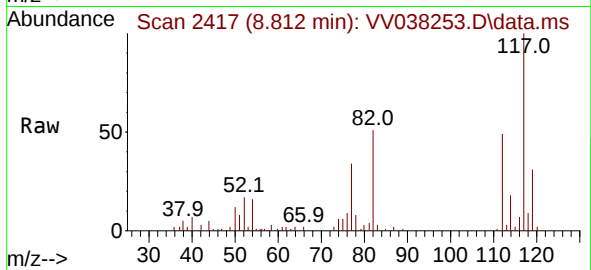




#51
Chlorobenzene
Concen: 0.261 ug/L
RT: 8.812 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV038253.D
Acq: 21 Nov 2024 20:50

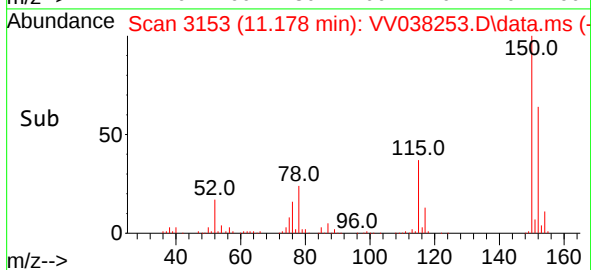
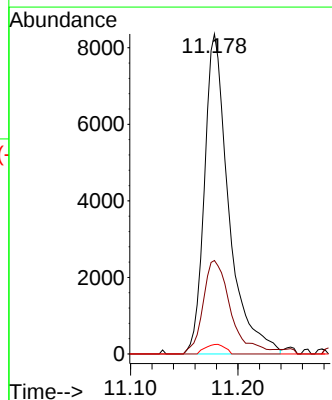
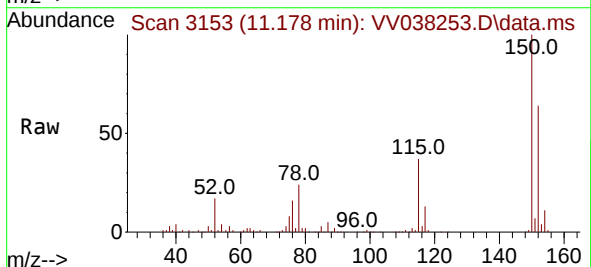
Instrument :
MSVOA_V
ClientSampleId :

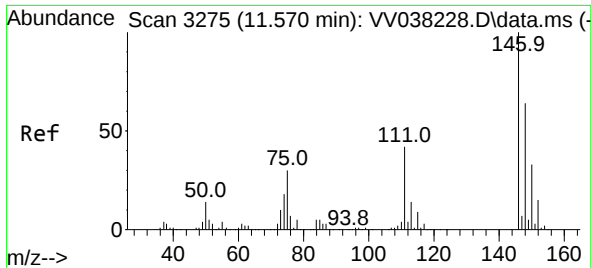
Tgt Ion:112 Resp: 14787
Ion Ratio Lower Upper
112 100
114 36.4 22.0 40.8
77 68.1 45.0 67.4#



#61
1,2,3-Trichloropropane
Concen: 1.326 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.974 min
Lab File: VV038253.D
Acq: 21 Nov 2024 20:50

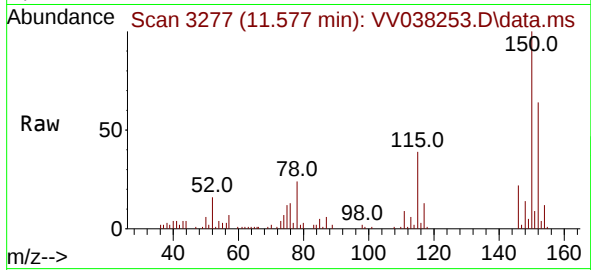
Tgt Ion: 75 Resp: 13131
Ion Ratio Lower Upper
75 100
77 33.0 26.4 39.6
110 2.4 32.3 48.5#





#67
 1,2-Dichlorobenzene
 Concen: 0.200 ug/L
 RT: 11.577 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VV038253.D
 Acq: 21 Nov 2024 20:50

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:146 Resp: 6607

Ion	Ratio	Lower	Upper
146	100		
111	41.1	34.2	51.2
148	61.5	51.0	76.4

