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 Data File : VW033280.D
 Acq On : 13 Dec 2023 16:47
 Operator : SY/MD
 Sample : 05731-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EOY52

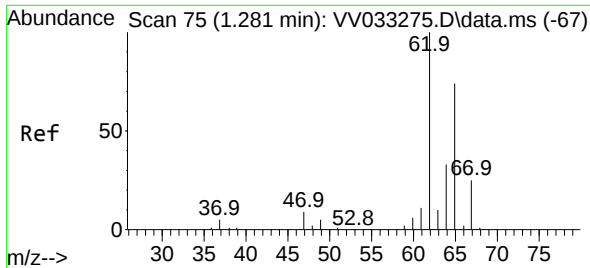
Quant Time: Dec 13 23:33:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 23:30:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.629	114	143074	5.000	ug/L	0.10
28) Chlorobenzene-d5	8.821	117	137248	5.000	ug/L	0.04
58) 1,4-Dichlorobenzene-d4	11.194	152	70718	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.349	65	38892	4.240	ug/L	0.07
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.800%
7) Chloroethane-d5	1.645	69	37125	5.442	ug/L	0.11
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.800%
11) 1,1-Dichloroethene-d2	2.179	65	17805	4.877	ug/L	0.12
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.600%
20) 2-Butanone-d5	4.050	46	34849	32.107	ug/L	0.22
Spiked Amount	50.000	Range	40 - 130	Recovery	=	64.220%
24) Chloroform-d	4.378	84	78684	4.113	ug/L	0.13
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
26) 1,2-Dichloroethane-d4	5.040	65	43805	5.270	ug/L	0.10
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
32) Benzene-d6	5.043	84	170248	4.795	ug/L	0.08
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	6.111	67	36847	4.559	ug/L	0.12
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.317	98	153486	4.436	ug/L	0.07
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	7.619	79	15370	4.169	ug/L	0.06
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.082	63	37780	36.708	ug/L	0.05
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.420%
56) 1,1,2,2-Tetrachloroeth...	10.169	84	20673	3.782	ug/L	0.02
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	57651	4.628	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.355	62	2819	0.273	ug/L #	73
18) trans-1,2-Dichloroethene	2.818	96	1114	0.112	ug/L	91
22) cis-1,2-Dichloroethene	3.957	96	106909	10.434	ug/L	95
27) 1,2-Dichloroethane	5.037	62	1301	0.129	ug/L	96
34) Trichloroethene	5.632	95	4284	0.400	ug/L #	1
35) Methylcyclohexane	6.111	83	11477	0.723	ug/L #	23
37) 1,2-Dichloropropane	6.111	63	5317	0.719	ug/L #	81
39) cis-1,3-Dichloropropene	7.001	75	1114	0.093	ug/L #	80
40) 4-Methyl-2-pentanone	7.249	43	20650	7.889	ug/L	96
42) Toluene	7.394	91	15501	0.368	ug/L	98
44) trans-1,3-Dichloropropene	7.625	75	865	0.086	ug/L	95
51) Chlorobenzene	8.850	112	83326	2.888	ug/L	98
61) 1,2,3-Trichloropropane	11.191	75	8959	2.390	ug/L #	54
65) 1,4-Dichlorobenzene	11.220	146	10915	0.460	ug/L	96
67) 1,2-Dichlorobenzene	11.586	146	3057	0.149	ug/L #	90
71) Naphthalene	13.448	128	5976	0.352	ug/L #	84

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

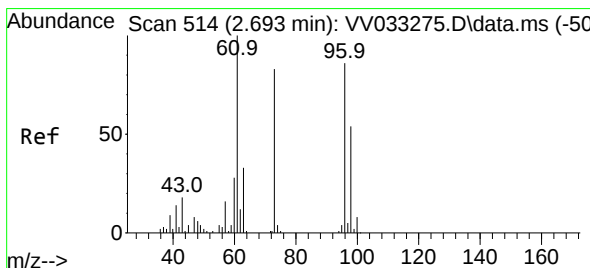
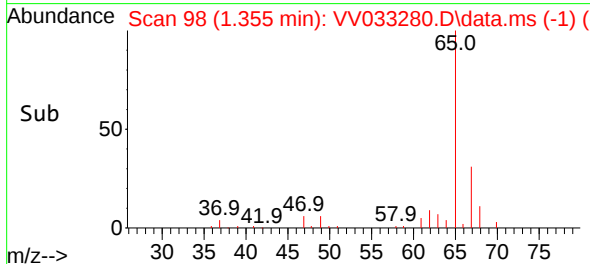
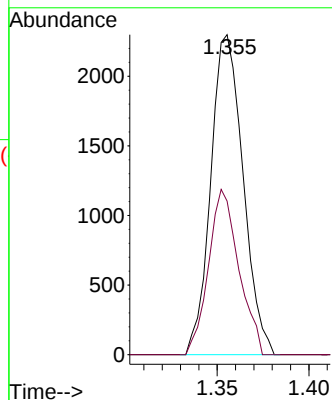
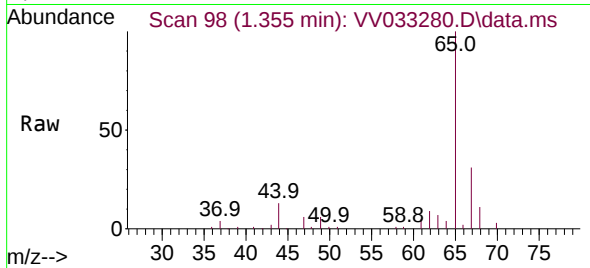
Instrument :
MSVOA_V
ClientSampleId :
E0Y52



#5
 Vinyl chloride
 Concen: 0.273 ug/L
 RT: 1.355 min Scan# 91
 Delta R.T. 0.074 min
 Lab File: VV033280.D
 Acq: 13 Dec 2023 16:47

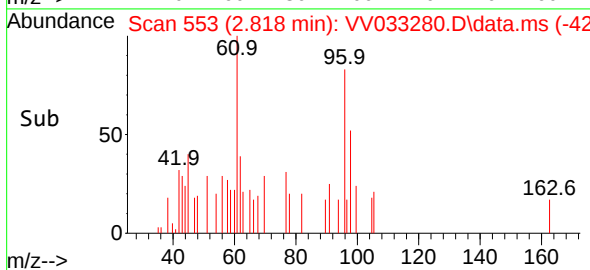
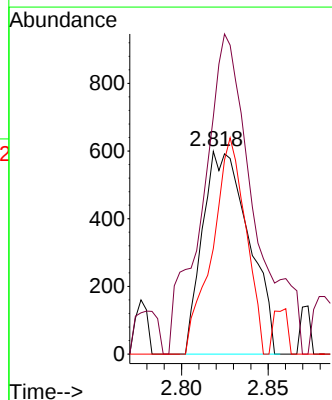
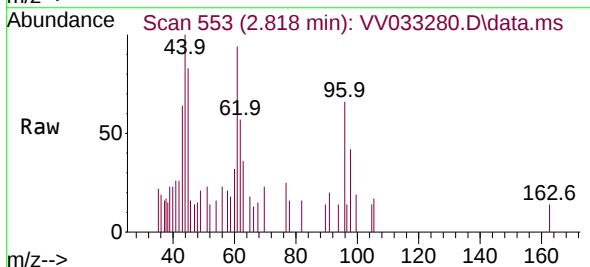
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 MSVOA_V
 ClientSampleId :
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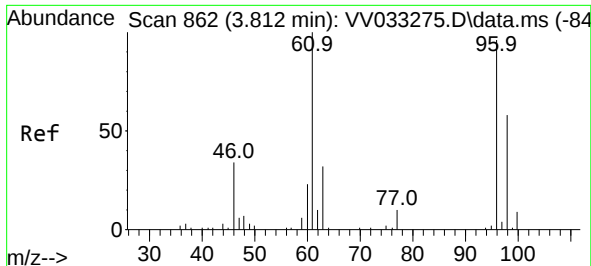
Tgt Ion: 62 Resp: 2819
 Ion Ratio Lower Upper
 62 100
 64 48.0 23.0 42.8#



#18
 trans-1,2-Dichloroethene
 Concen: 0.112 ug/L
 RT: 2.818 min Scan# 553
 Delta R.T. 0.125 min
 Lab File: VV033280.D
 Acq: 13 Dec 2023 16:47

Tgt Ion: 96 Resp: 1114
 Ion Ratio Lower Upper
 96 100
 61 117.0 84.6 157.2
 98 52.1 46.7 86.7





#22

cis-1,2-Dichloroethene

Concen: 10.434 ug/L

RT: 3.957 min Scan# 90

Delta R.T. 0.145 min

Lab File: VV033280.D

Acq: 13 Dec 2023 16:47

Instrument :

MSVOA_V

ClientSampleId :

E0Y52

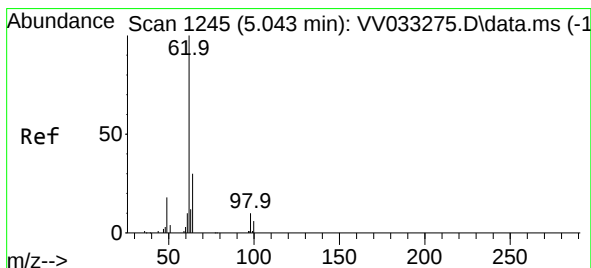
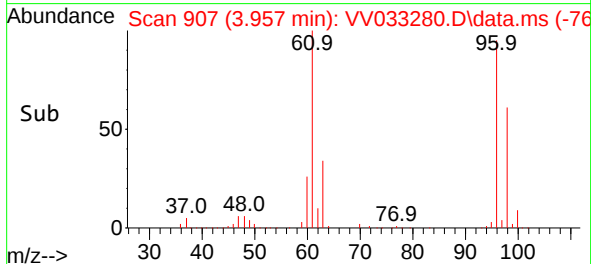
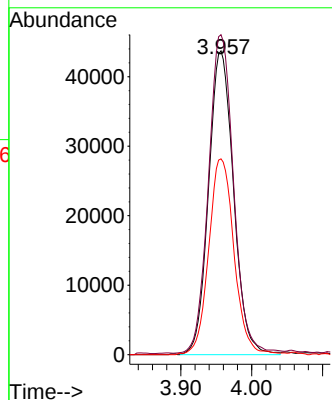
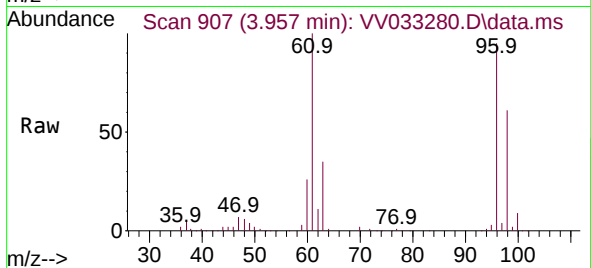
Tgt Ion: 96 Resp: 106909

Ion Ratio Lower Upper

96 100

61 105.3 69.9 129.9

98 64.5 42.4 78.8



#27

1,2-Dichloroethane

Concen: 0.129 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.006 min

Lab File: VV033280.D

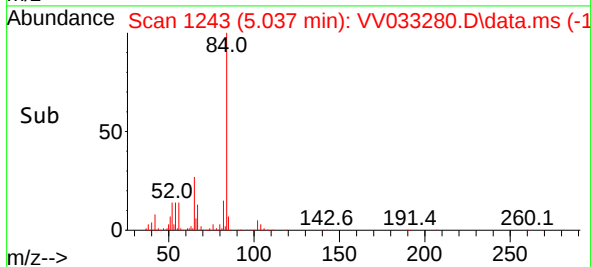
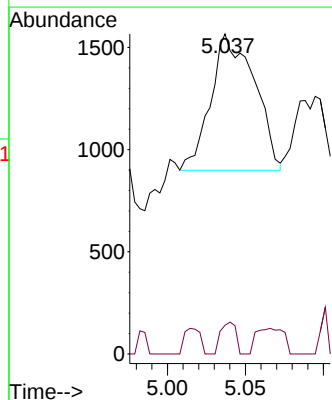
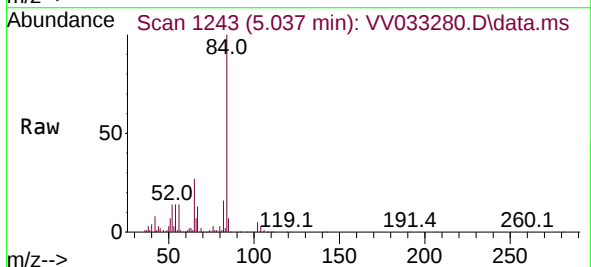
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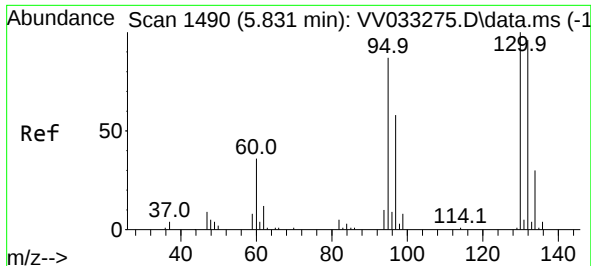
Tgt Ion: 62 Resp: 1301

Ion Ratio Lower Upper

62 100

98 8.9 8.2 12.4

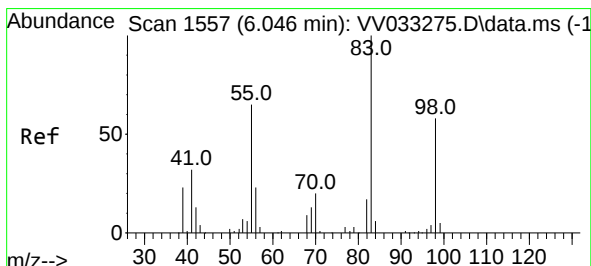
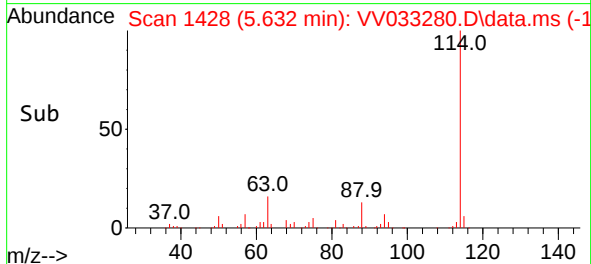
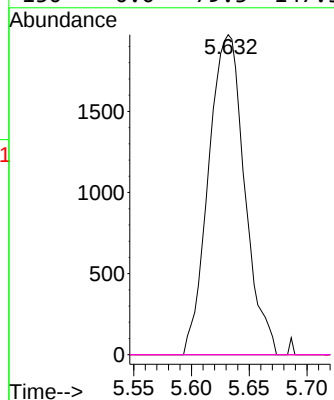
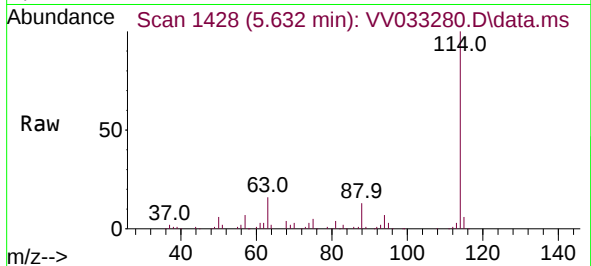




#34
Trichloroethene
Concen: 0.400 ug/L
RT: 5.632 min Scan# 1490
Delta R.T. -0.199 min
Lab File: VV033280.D
Acq: 13 Dec 2023 16:47

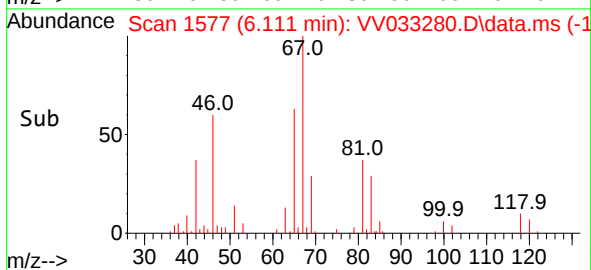
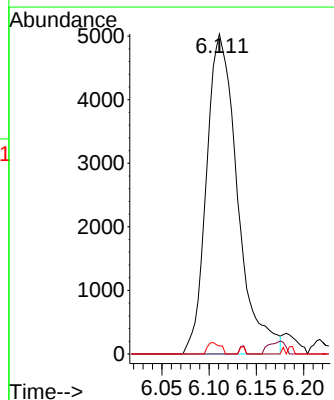
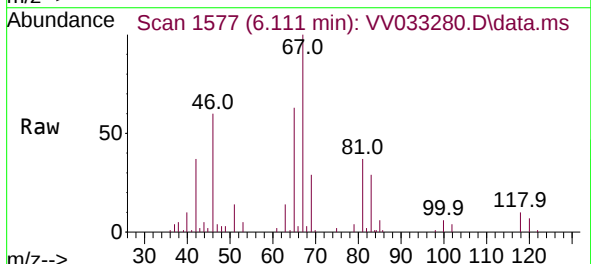
Instrument :
MSVOA_V
ClientSampleId :
E0Y52

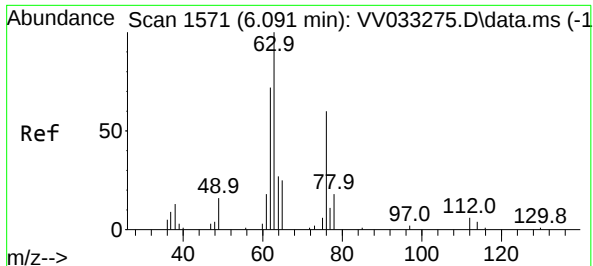
Tgt Ion:	95	Resp:	4284
Ion	Ratio	Lower	Upper
95	100		
97	0.0	46.5	86.5#
132	0.0	75.1	139.5#
130	0.0	79.3	147.3#



#35
Methylcyclohexane
Concen: 0.723 ug/L
RT: 6.111 min Scan# 1577
Delta R.T. 0.064 min
Lab File: VV033280.D
Acq: 13 Dec 2023 16:47

Tgt Ion:	83	Resp:	11477
Ion	Ratio	Lower	Upper
83	100		
55	0.0	50.7	76.1#
98	1.5	42.4	63.6#





#37

1,2-Dichloropropane

Concen: 0.719 ug/L

RT: 6.111 min Scan# 11

Delta R.T. 0.019 min

Lab File: VV033280.D

Acq: 13 Dec 2023 16:47

Instrument :

MSVOA_V

ClientSampleId :

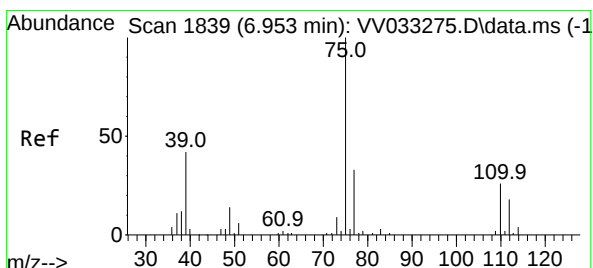
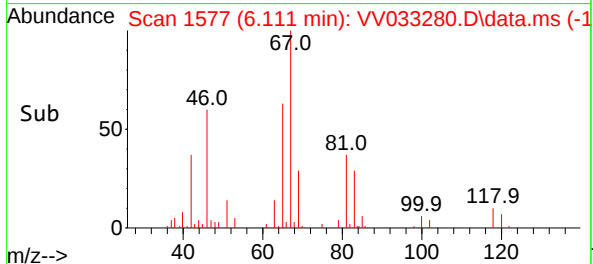
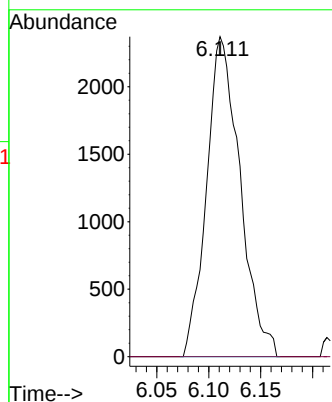
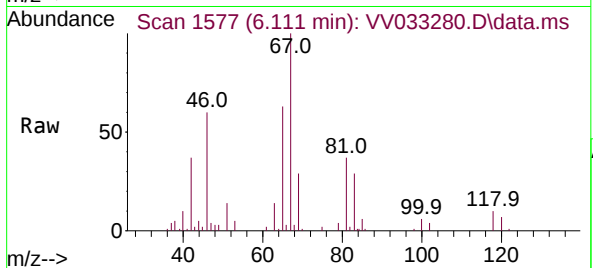
E0Y52

Tgt Ion: 63 Resp: 5317

Ion Ratio Lower Upper

63 100

112 0.0 5.0 7.6#



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.001 min Scan# 1854

Delta R.T. 0.048 min

Lab File: VV033280.D

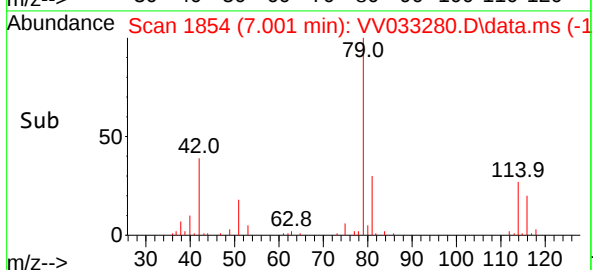
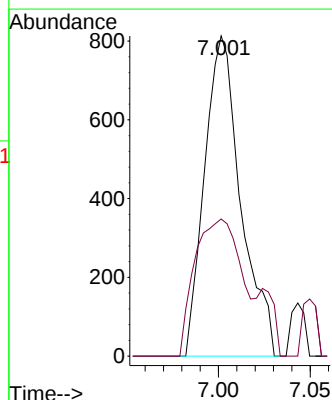
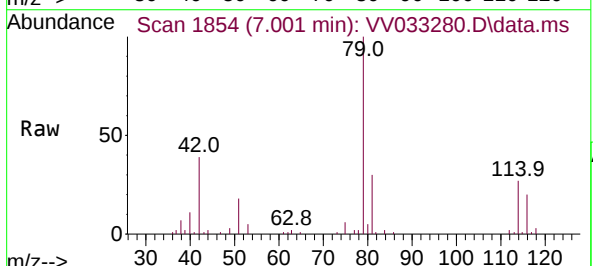
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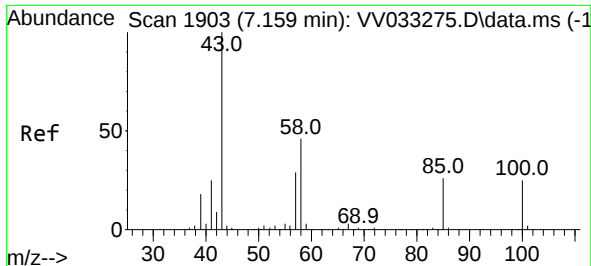
Tgt Ion: 75 Resp: 1114

Ion Ratio Lower Upper

75 100

77 42.8 22.1 41.1#





#40

4-Methyl-2-pentanone

Concen: 7.889 ug/L

RT: 7.249 min Scan# 1931

Delta R.T. 0.090 min

Lab File: VV033280.D

Acq: 13 Dec 2023 16:47

Instrument :

MSVOA_V

ClientSampleId :

E0Y52

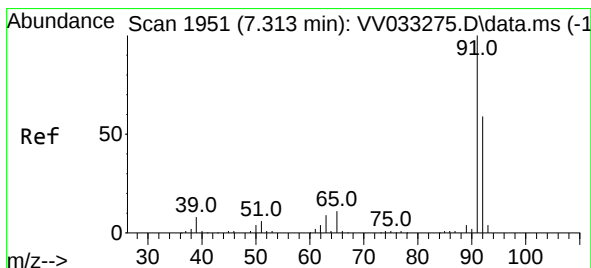
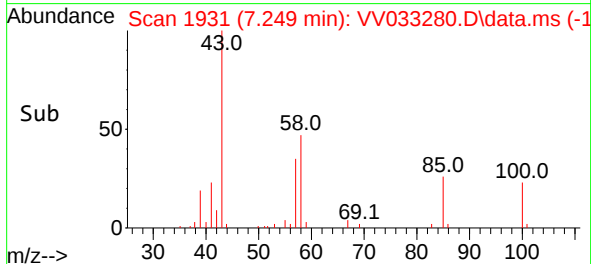
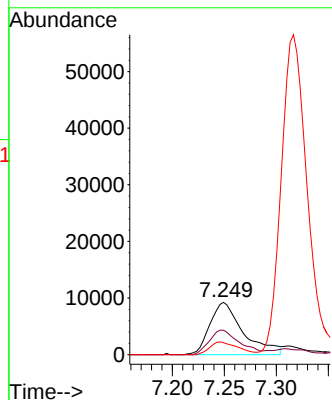
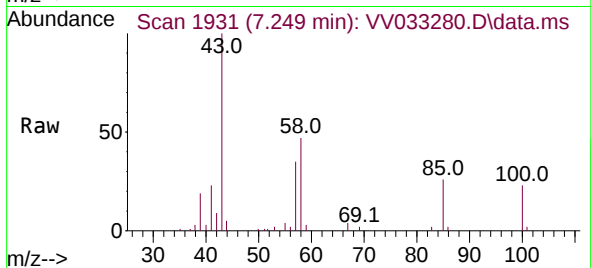
Tgt Ion: 43 Resp: 20650

Ion Ratio Lower Upper

43 100

58 42.7 36.2 54.2

100 20.8 18.8 28.2



#42

Toluene

Concen: 0.368 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.080 min

Lab File: VV033280.D

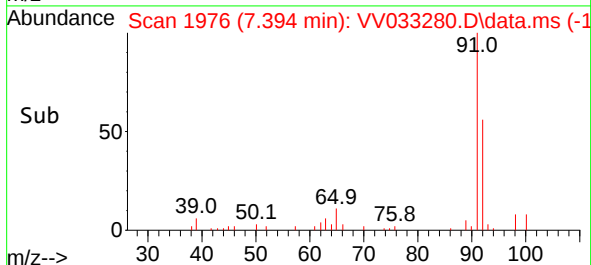
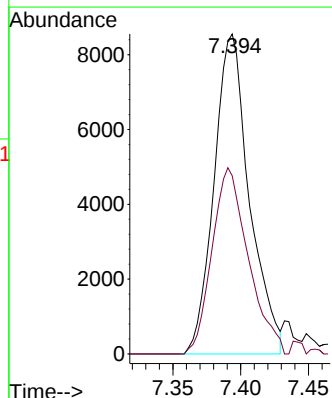
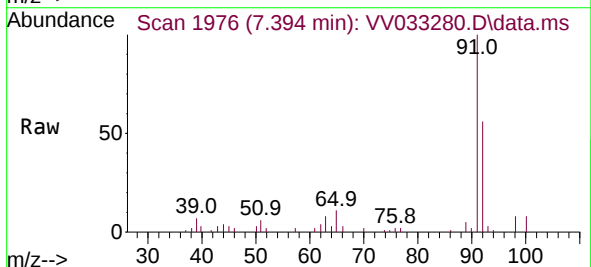
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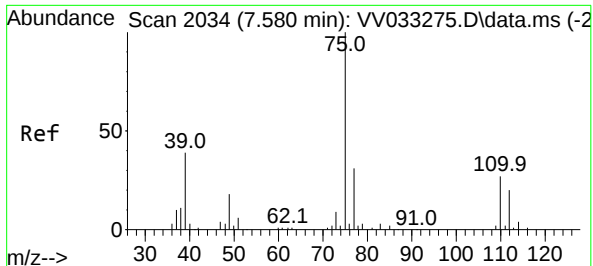
Tgt Ion: 91 Resp: 15501

Ion Ratio Lower Upper

91 100

92 55.7 40.2 74.6

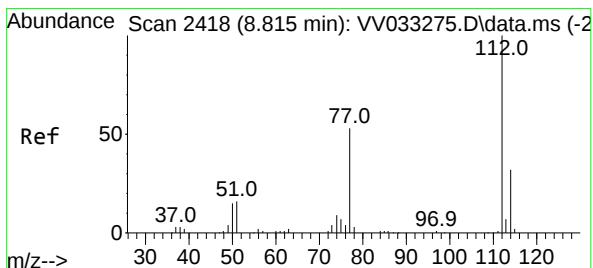
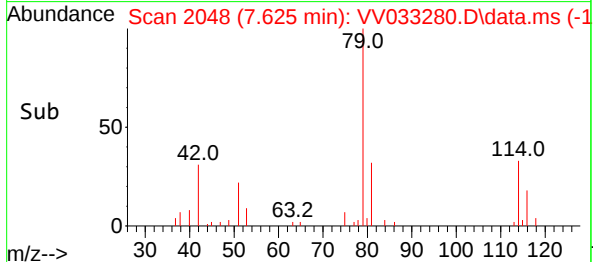
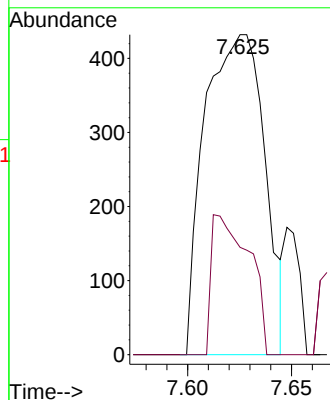
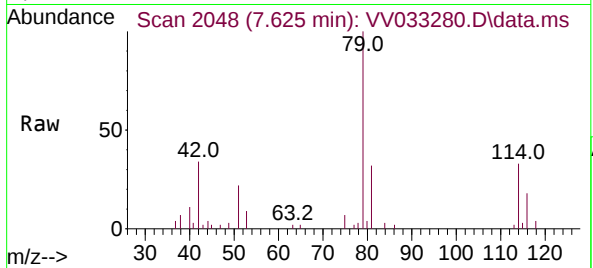




#44
trans-1,3-Dichloropropene
Concen: 0.086 ug/L
RT: 7.625 min Scan# 2034
Delta R.T. 0.045 min
Lab File: VV033280.D
Acq: 13 Dec 2023 16:47

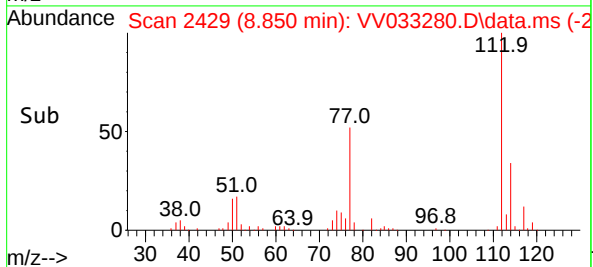
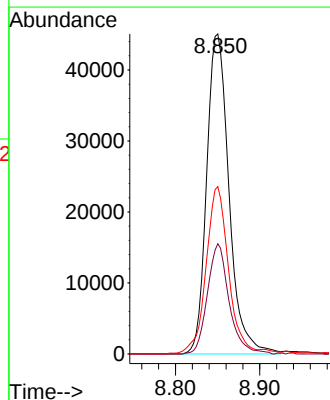
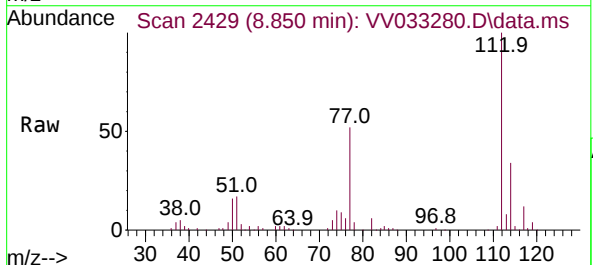
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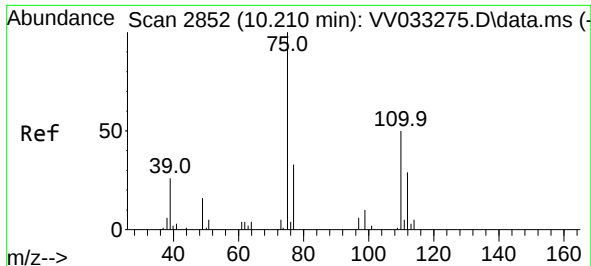
Tgt Ion: 75 Resp: 865
Ion Ratio Lower Upper
75 100
77 33.6 21.7 40.3



#51
Chlorobenzene
Concen: 2.888 ug/L
RT: 8.850 min Scan# 2429
Delta R.T. 0.035 min
Lab File: VV033280.D
Acq: 13 Dec 2023 16:47

Tgt Ion: 112 Resp: 83326
Ion Ratio Lower Upper
112 100
114 34.5 22.8 42.4
77 52.3 41.3 61.9

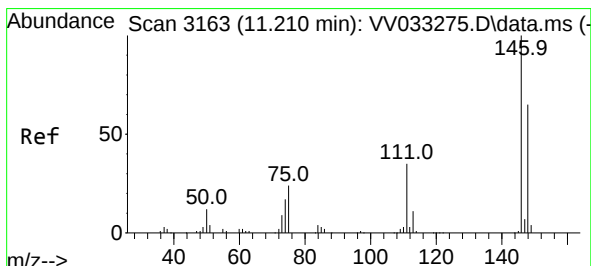
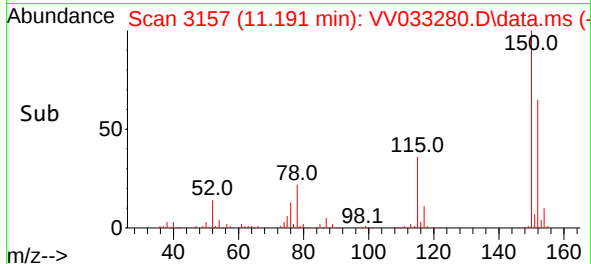
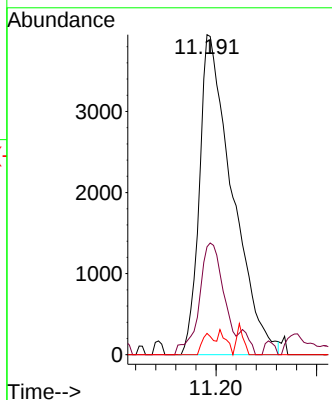
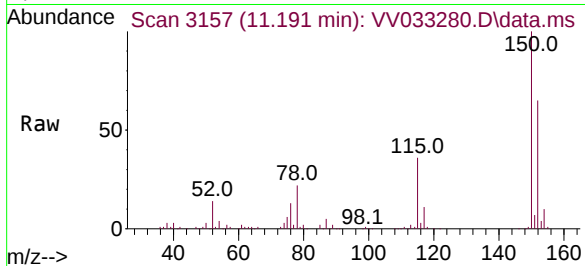




#61
1,2,3-Trichloropropane
Concen: 2.390 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.981 min
Lab File: VV033280.D
Acq: 13 Dec 2023 16:47

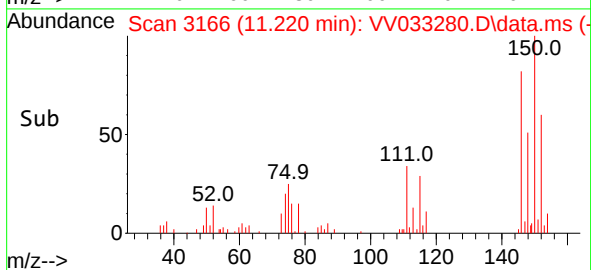
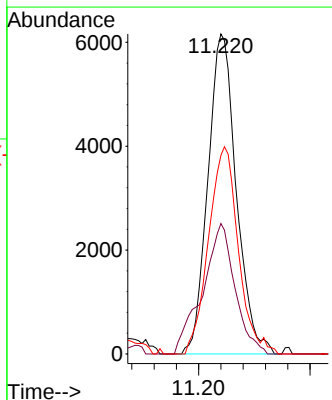
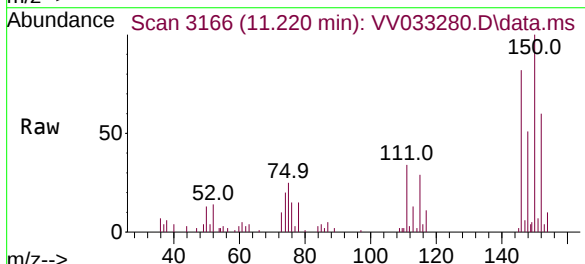
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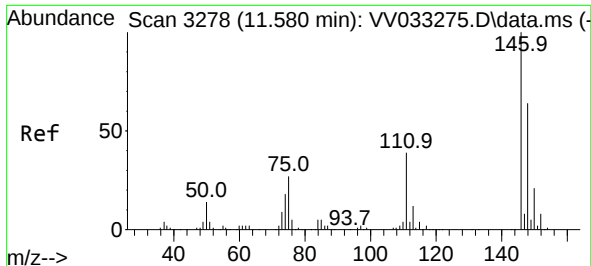
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Ion Ratio Lower Upper
75 100
77 26.1 27.4 41.2#
110 2.5 39.4 59.2#



#65
1,4-Dichlorobenzene
Concen: 0.460 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.010 min
Lab File: VV033280.D
Acq: 13 Dec 2023 16:47

Tgt Ion: 146 Resp: 10915
Ion Ratio Lower Upper
146 100
111 40.8 25.6 47.4
148 62.0 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 0.149 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV033280.D

Acq: 13 Dec 2023 16:47

Instrument :

MSVOA_V

ClientSampleId :

E0Y52

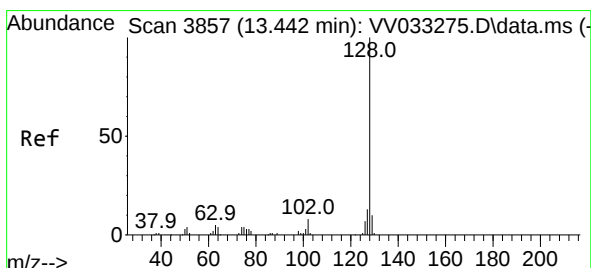
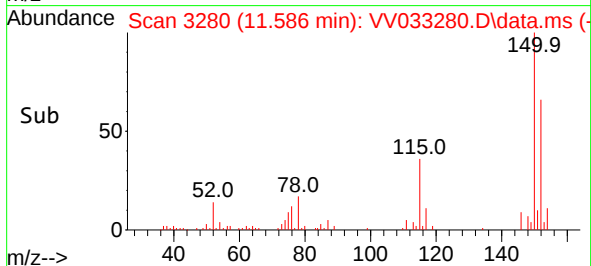
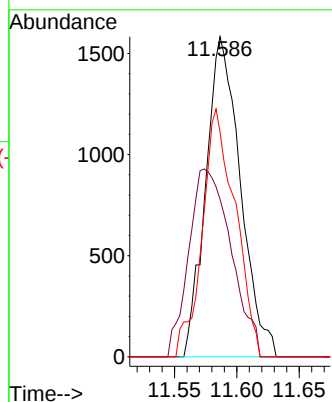
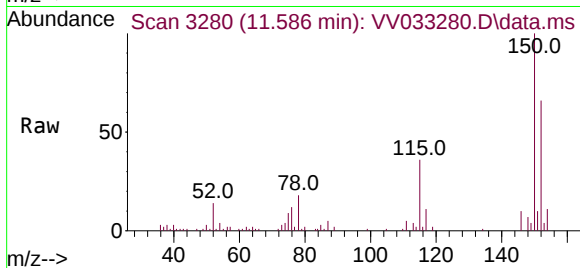
Tgt Ion:146 Resp: 3057

Ion Ratio Lower Upper

146 100

111 49.2 31.0 46.4#

148 70.2 52.6 79.0



#71

Naphthalene

Concen: 0.352 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.006 min

Lab File: VV033280.D

Acq: 13 Dec 2023 16:47

Tgt Ion:128 Resp: 5976

Ion Ratio Lower Upper

128 100

129 7.6 8.8 13.2#

127 3.9 10.1 15.1#

