

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033281.D
 Acq On : 13 Dec 2023 17:10
 Operator : SY/MD
 Sample : 05731-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y53

Quant Time: Dec 13 23:33:45 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	5.567	114	158428	5.000	ug/L	0.04
28) Chlorobenzene-d5	8.818	117	120106	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.197	152	66659	5.000	ug/L	0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.314	65	36273	3.571	ug/L	0.04
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.400%
7) Chloroethane-d5	1.590	69	27836	3.685	ug/L	0.06
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.800%
11) 1,1-Dichloroethene-d2	2.134	65	15034	3.719	ug/L	0.08
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.400%
20) 2-Butanone-d5	4.011	46	13335	11.095	ug/L	0.18
Spiked Amount	50.000	Range	40 - 130	Recovery	=	22.200%#
24) Chloroform-d	4.359	84	73743	3.481	ug/L	0.11
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.600%#
26) 1,2-Dichloroethane-d4	5.018	65	42122	4.576	ug/L	0.07
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
32) Benzene-d6	5.021	84	164781	5.304	ug/L	0.06
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.000%
36) 1,2-Dichloropropane-d6	6.056	67	33081	4.678	ug/L	0.07
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.600%
41) Toluene-d8	7.313	98	127246	4.203	ug/L	0.07
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
43) trans-1,3-Dichloroprop...	7.616	79	12276	3.805	ug/L	0.06
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.200%
46) 2-Hexanone-d5	8.088	63	28589	31.742	ug/L	0.06
Spiked Amount	50.000	Range	45 - 130	Recovery	=	63.480%
56) 1,1,2,2-Tetrachloroeth...	10.172	84	20378	4.261	ug/L	0.02
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.200%
66) 1,2-Dichlorobenzene-d4	11.570	152	55535	4.730	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.320	62	10295	0.900	ug/L	94
18) trans-1,2-Dichloroethene	2.786	96	1516	0.138	ug/L	80
22) cis-1,2-Dichloroethene	3.928	96	35670	3.144	ug/L	93
27) 1,2-Dichloroethane	5.021	62	1388	0.124	ug/L	99
33) Benzene	5.066	78	32702	1.016	ug/L	100
35) Methylcyclohexane	6.059	83	9903	0.713	ug/L #	22
37) 1,2-Dichloropropane	6.056	63	4737	0.732	ug/L #	81
39) cis-1,3-Dichloropropene	6.995	75	927	0.088	ug/L #	40
42) Toluene	7.387	91	17350	0.471	ug/L	94
51) Chlorobenzene	8.850	112	68796	2.725	ug/L	99
52) Ethylbenzene	8.985	91	2716	0.066	ug/L	96
53) m,p-Xylene	9.111	106	1665	0.098	ug/L	97
61) 1,2,3-Trichloropropane	11.194	75	6360	1.800	ug/L #	57
63) 1,2,4-Trimethylbenzene	10.866	105	2373	0.066	ug/L	94
65) 1,4-Dichlorobenzene	11.220	146	3774	0.169	ug/L	95
67) 1,2-Dichlorobenzene	11.583	146	1373	0.071	ug/L #	62
71) Naphthalene	13.451	128	2349	0.147	ug/L #	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
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Quant Time: Dec 13 23:33:45 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

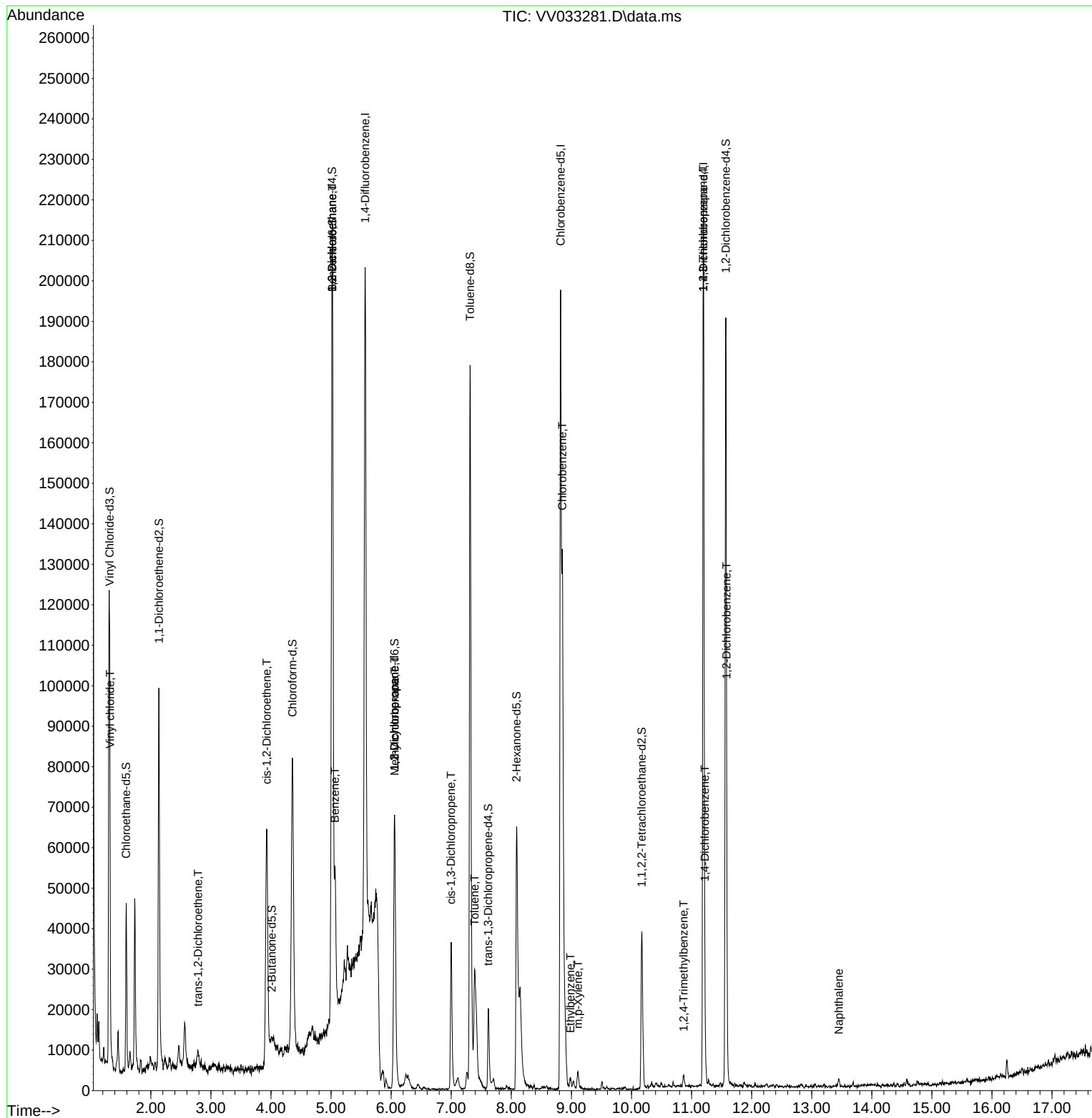
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

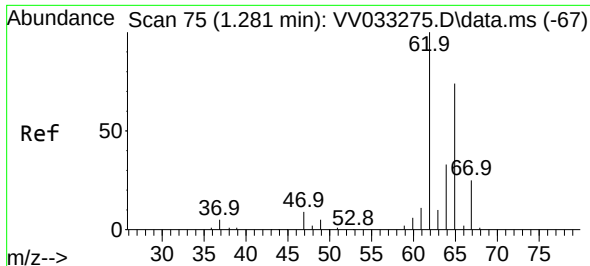
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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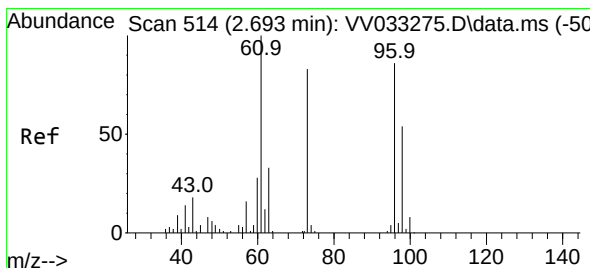
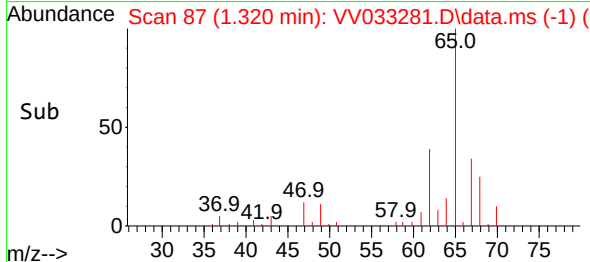
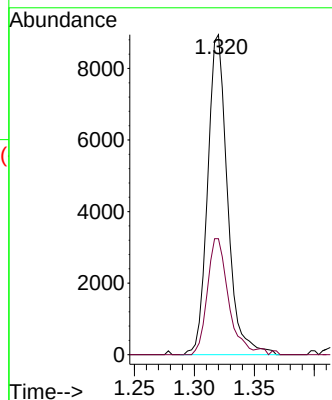
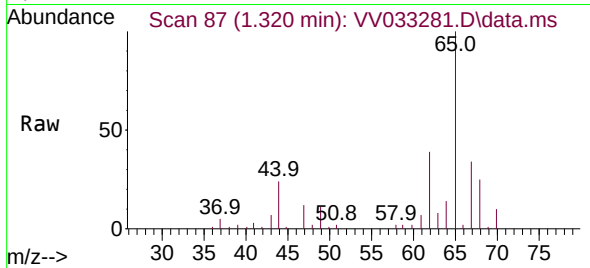




#5
 Vinyl chloride
 Concen: 0.900 ug/L
 RT: 1.320 min Scan# 81
 Delta R.T. 0.039 min
 Lab File: VV033281.D
 Acq: 13 Dec 2023 17:10

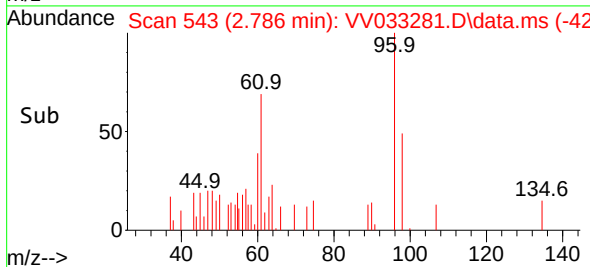
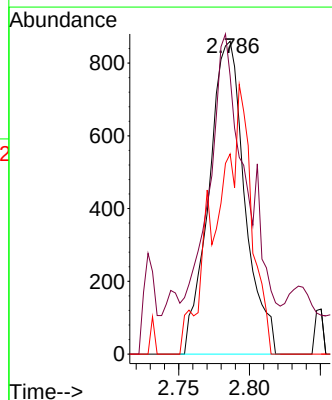
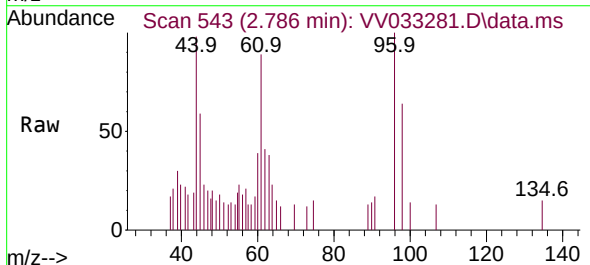
Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y53

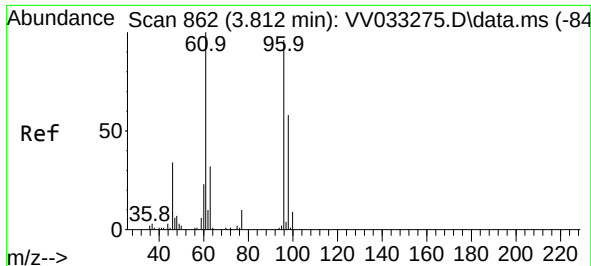
Tgt Ion: 62 Resp: 10295
 Ion Ratio Lower Upper
 62 100
 64 36.3 23.0 42.8



#18
 trans-1,2-Dichloroethene
 Concen: 0.138 ug/L
 RT: 2.786 min Scan# 543
 Delta R.T. 0.093 min
 Lab File: VV033281.D
 Acq: 13 Dec 2023 17:10

Tgt Ion: 96 Resp: 1516
 Ion Ratio Lower Upper
 96 100
 61 89.0 84.6 157.2
 98 64.0 46.7 86.7

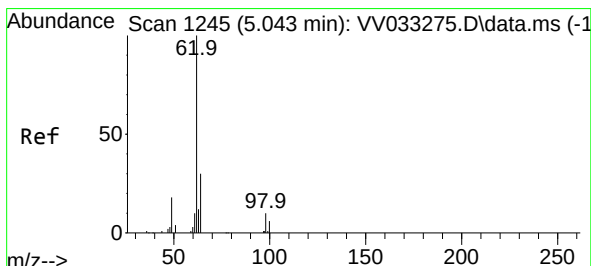
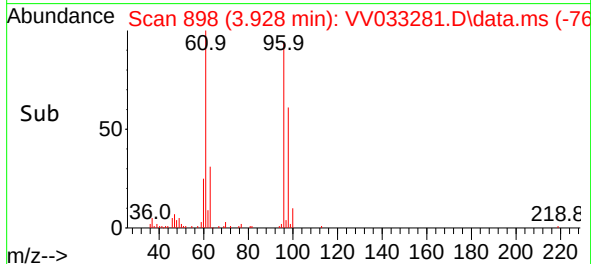
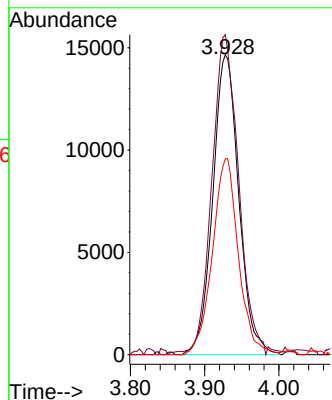
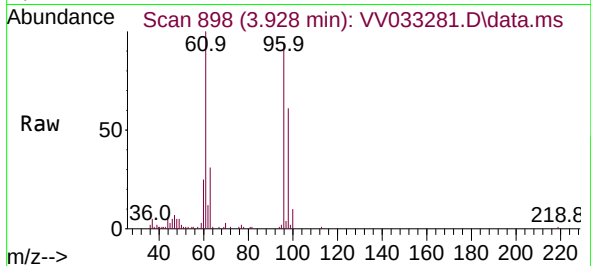




#22
 cis-1,2-Dichloroethene
 Concen: 3.144 ug/L
 RT: 3.928 min Scan# 898
 Delta R.T. 0.116 min
 Lab File: VV033281.D
 Acq: 13 Dec 2023 17:10

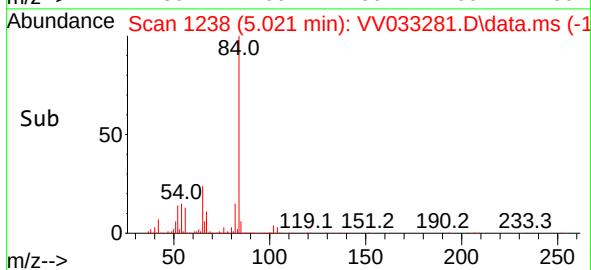
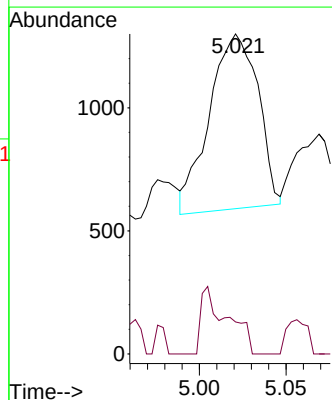
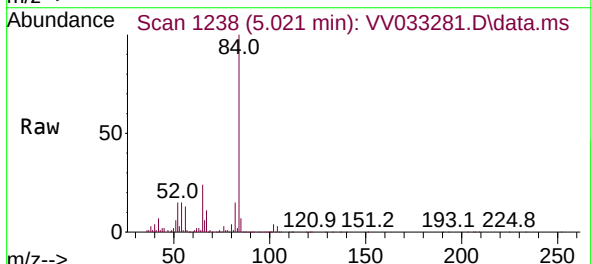
Instrument :
 MSVOA_V
 ClientSampleId :
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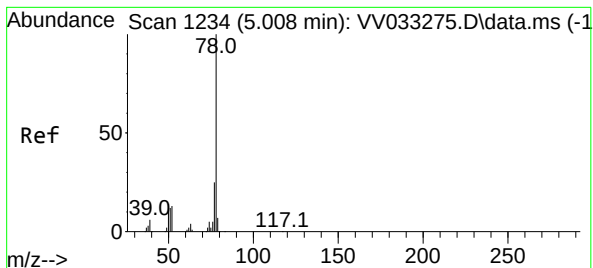
Tgt Ion: 96 Resp: 35670
 Ion Ratio Lower Upper
 96 100
 61 106.7 69.9 129.9
 98 65.3 42.4 78.8



#27
 1,2-Dichloroethane
 Concen: 0.124 ug/L
 RT: 5.021 min Scan# 1238
 Delta R.T. -0.022 min
 Lab File: VV033281.D
 Acq: 13 Dec 2023 17:10

Tgt Ion: 62 Resp: 1388
 Ion Ratio Lower Upper
 62 100
 98 10.0 8.2 12.4





#33

Benzene

Concen: 1.016 ug/L

RT: 5.066 min Scan# 1

Delta R.T. 0.058 min

Lab File: VV033281.D

Acq: 13 Dec 2023 17:10

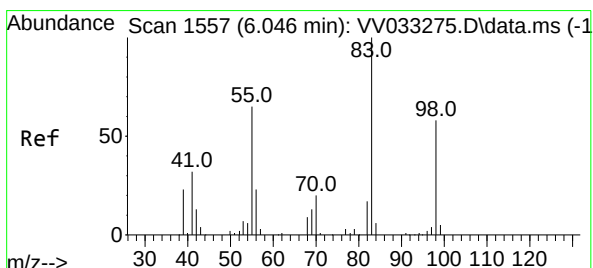
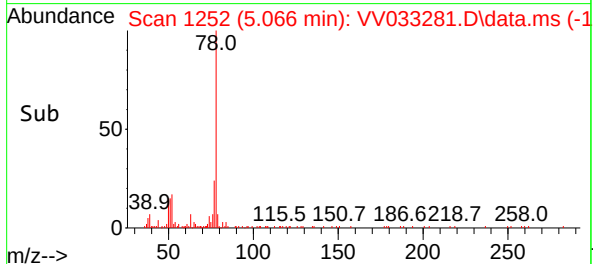
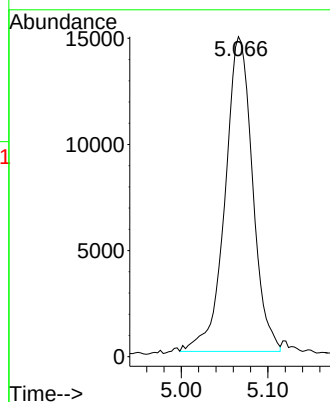
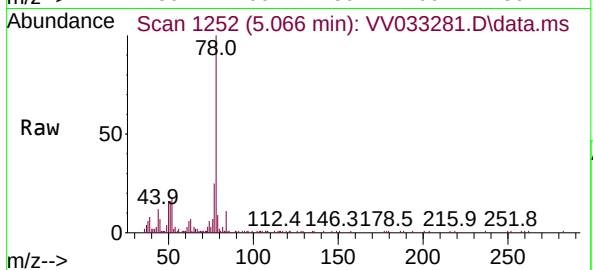
Instrument :

MSVOA_V

ClientSampleId :

E0Y53

Tgt Ion: 78 Resp: 32702



#35

Methylcyclohexane

Concen: 0.713 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.013 min

Lab File: VV033281.D

Acq: 13 Dec 2023 17:10

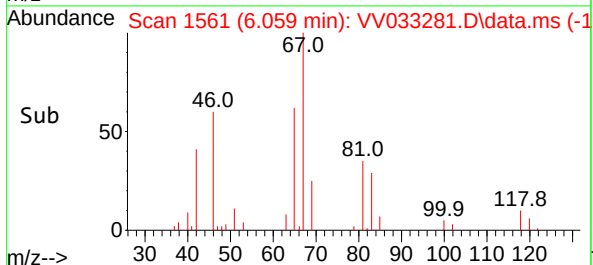
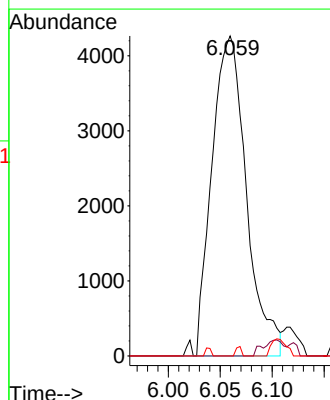
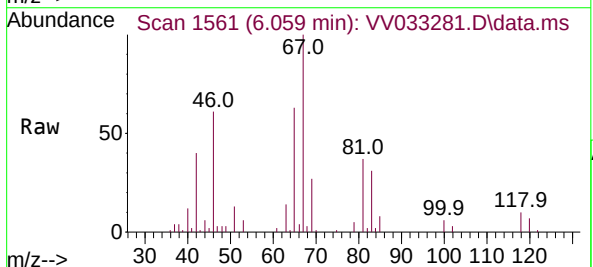
Tgt Ion: 83 Resp: 9903

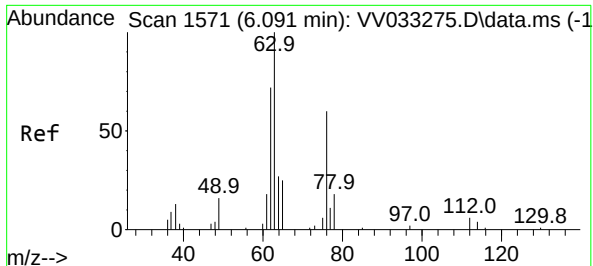
Ion Ratio Lower Upper

83 100

55 0.0 50.7 76.1#

98 0.5 42.4 63.6#





#37

1,2-Dichloropropane

Concen: 0.732 ug/L

RT: 6.056 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV033281.D

Acq: 13 Dec 2023 17:10

Instrument :

MSVOA_V

ClientSampleId :

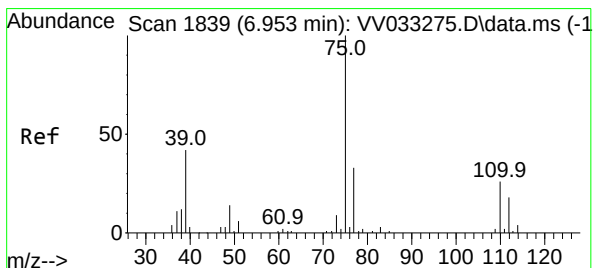
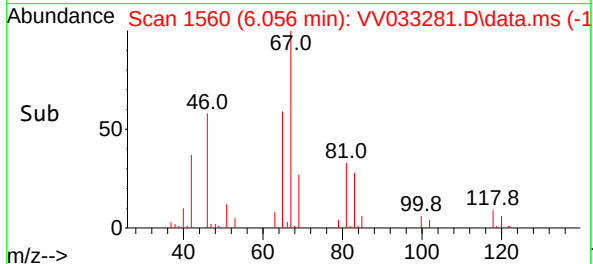
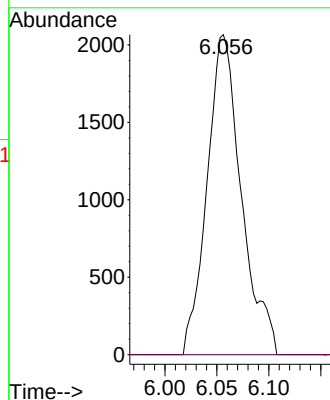
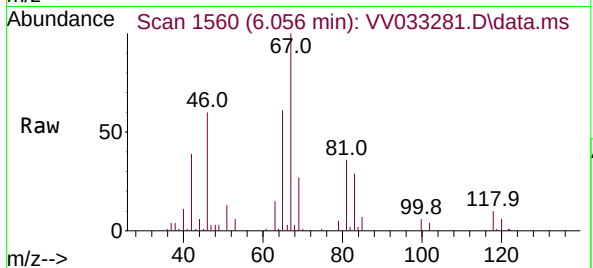
E0Y53

Tgt Ion: 63 Resp: 4737

Ion Ratio Lower Upper

63 100

112 0.0 5.0 7.6#



#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. 0.042 min

Lab File: VV033281.D

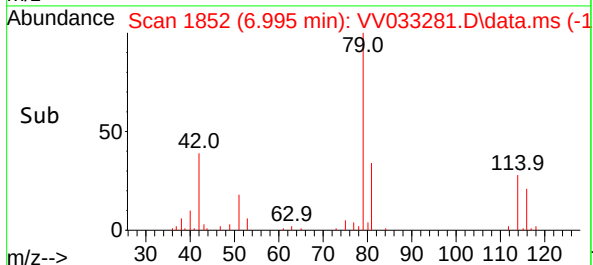
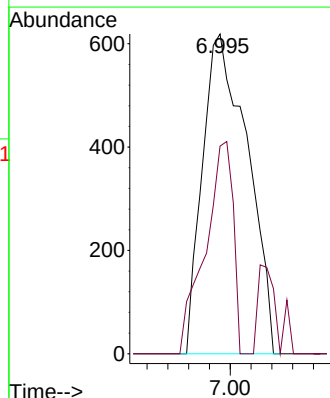
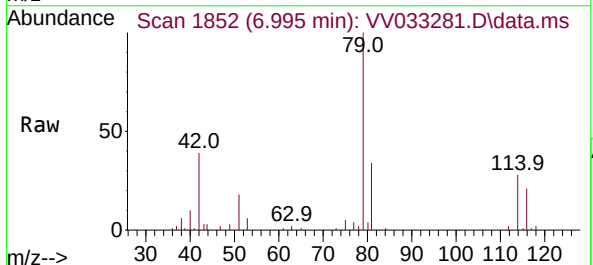
Acq: 13 Dec 2023 17:10

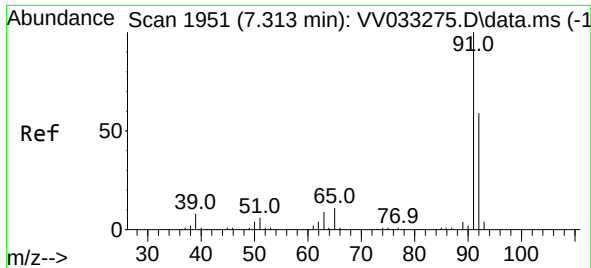
Tgt Ion: 75 Resp: 927

Ion Ratio Lower Upper

75 100

77 64.9 22.1 41.1#





#42

Toluene

Concen: 0.471 ug/L

RT: 7.387 min Scan# 1951

Delta R.T. 0.074 min

Lab File: VV033281.D

Acq: 13 Dec 2023 17:10

Instrument :

MSVOA_V

ClientSampleId :

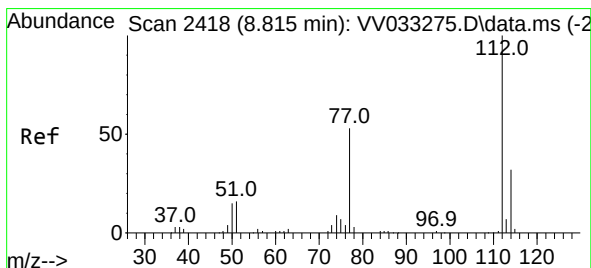
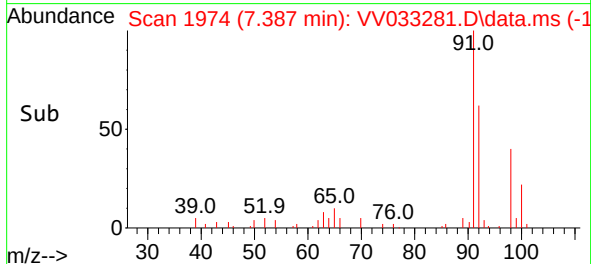
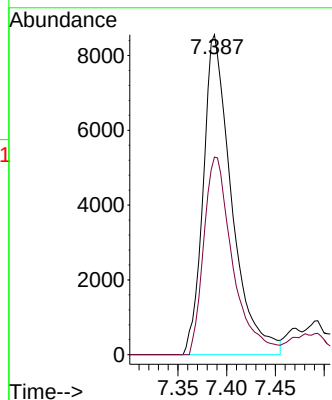
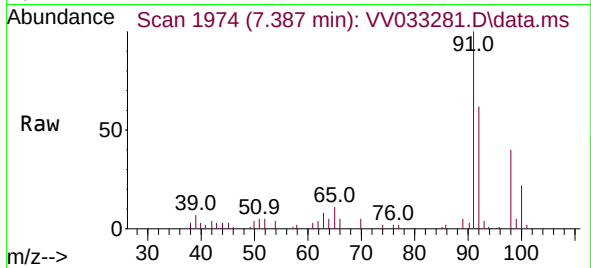
E0Y53

Tgt Ion: 91 Resp: 17350

Ion Ratio Lower Upper

91 100

92 61.7 40.2 74.6



#51

Chlorobenzene

Concen: 2.725 ug/L

RT: 8.850 min Scan# 2429

Delta R.T. 0.035 min

Lab File: VV033281.D

Acq: 13 Dec 2023 17:10

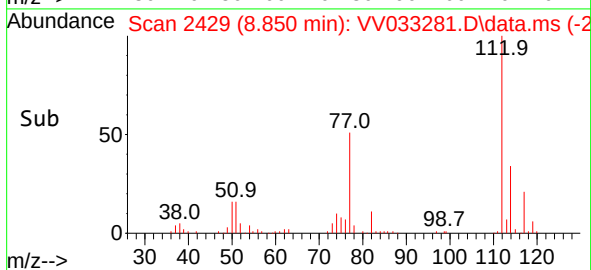
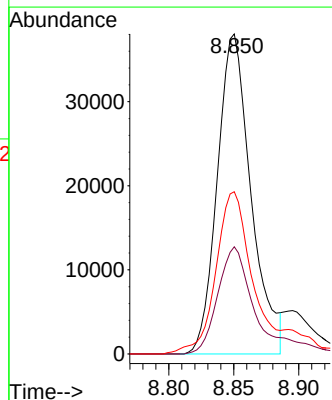
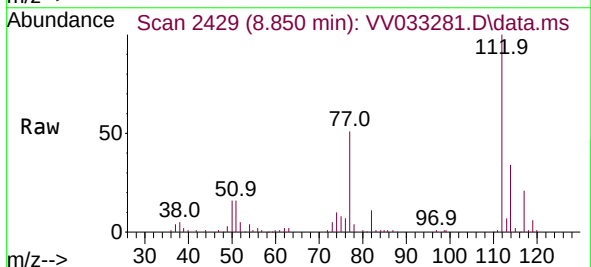
Tgt Ion: 112 Resp: 68796

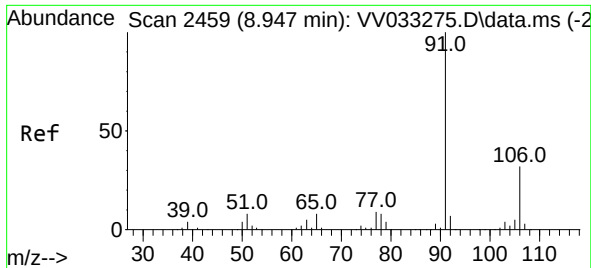
Ion Ratio Lower Upper

112 100

114 33.5 22.8 42.4

77 50.7 41.3 61.9

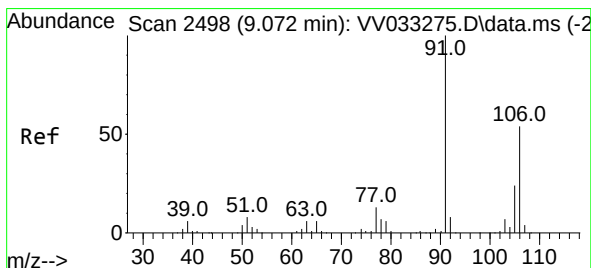
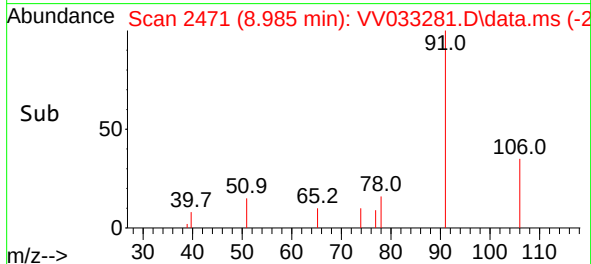
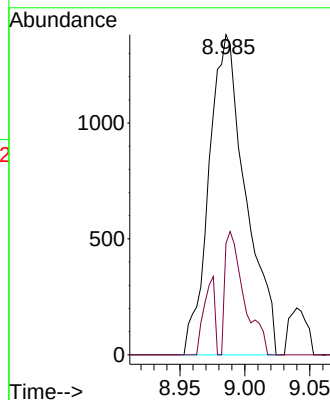
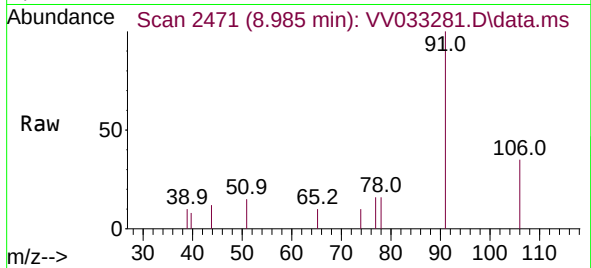




#52
Ethylbenzene
Concen: 0.066 ug/L
RT: 8.985 min Scan# 2459
Delta R.T. 0.039 min
Lab File: VV033281.D
Acq: 13 Dec 2023 17:10

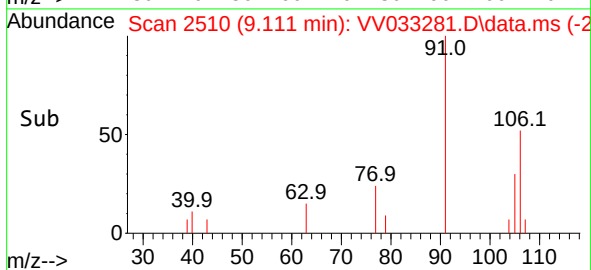
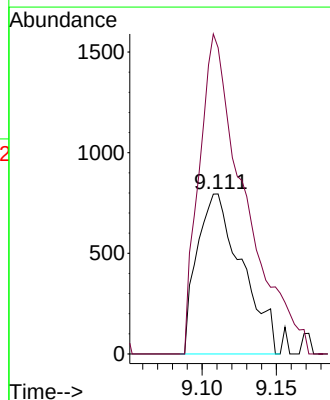
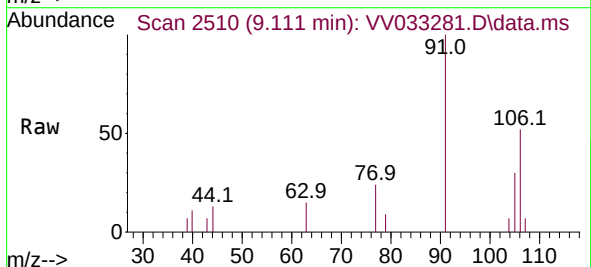
Instrument :
MSVOA_V
ClientSampleId :
E0Y53

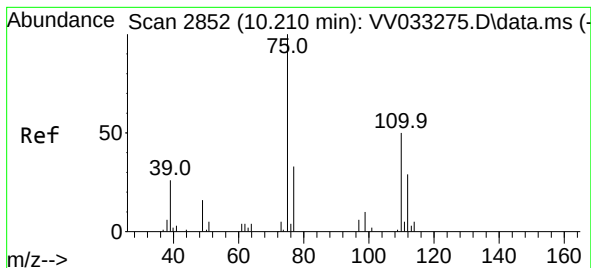
Tgt Ion: 91 Resp: 2716
Ion Ratio Lower Upper
91 100
106 34.8 22.7 42.3



#53
m,p-Xylene
Concen: 0.098 ug/L
RT: 9.111 min Scan# 2510
Delta R.T. 0.039 min
Lab File: VV033281.D
Acq: 13 Dec 2023 17:10

Tgt Ion: 106 Resp: 1665
Ion Ratio Lower Upper
106 100
91 191.4 136.8 254.0





#61

1,2,3-Trichloropropane

Concen: 1.800 ug/L

RT: 11.194 min Scan# 3158

Delta R.T. 0.984 min

Lab File: VV033281.D

Acq: 13 Dec 2023 17:10

Instrument :

MSVOA_V

ClientSampleId :

E0Y53

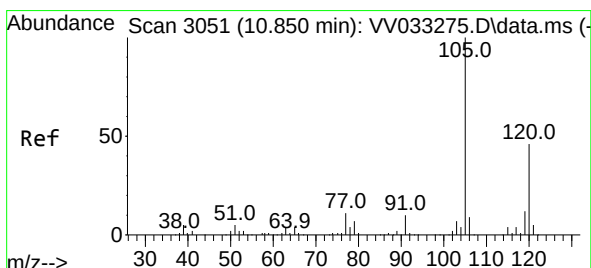
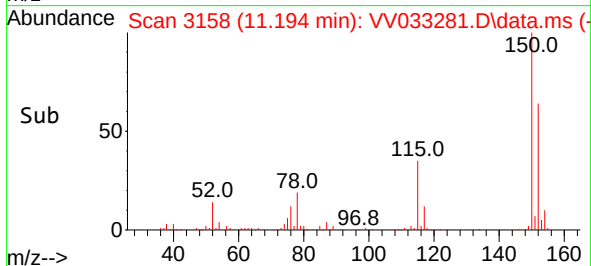
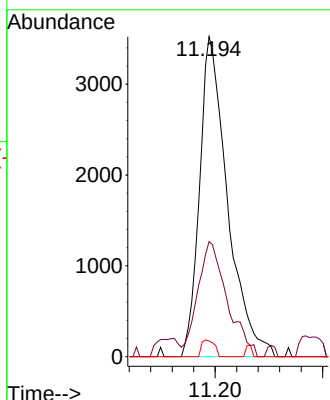
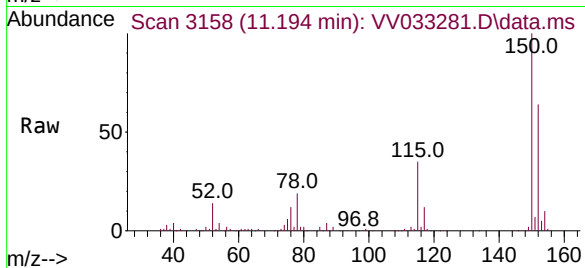
Tgt Ion: 75 Resp: 6360

Ion Ratio Lower Upper

75 100

77 38.0 27.4 41.2

110 2.4 39.4 59.2#



#63

1,2,4-Trimethylbenzene

Concen: 0.066 ug/L

RT: 10.866 min Scan# 3056

Delta R.T. 0.016 min

Lab File: VV033281.D

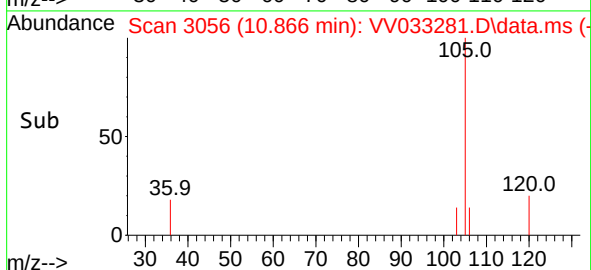
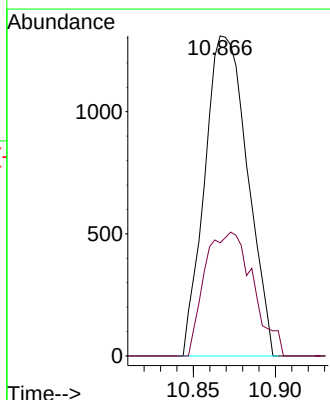
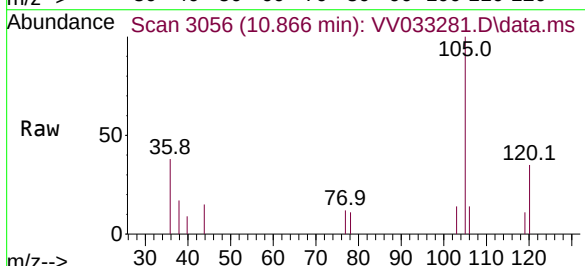
Acq: 13 Dec 2023 17:10

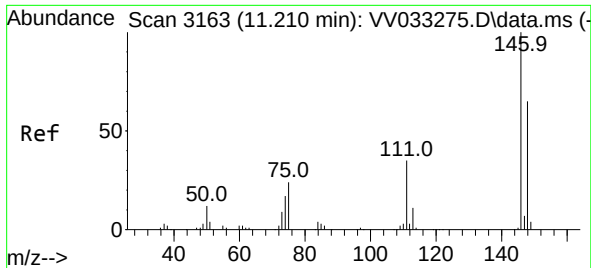
Tgt Ion: 105 Resp: 2373

Ion Ratio Lower Upper

105 100

120 43.7 38.1 57.1

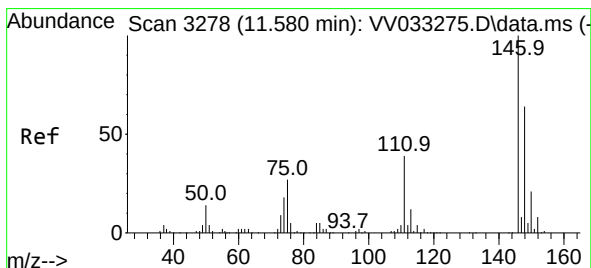
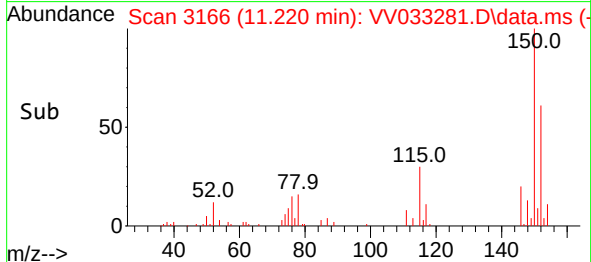
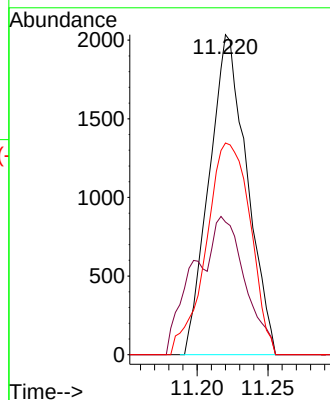
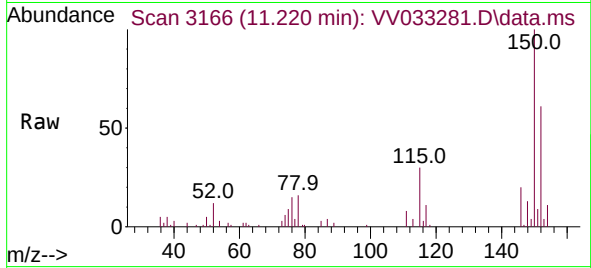




#65
1,4-Dichlorobenzene
Concen: 0.169 ug/L
RT: 11.220 min Scan# 3163
Delta R.T. 0.010 min
Lab File: VV033281.D
Acq: 13 Dec 2023 17:10

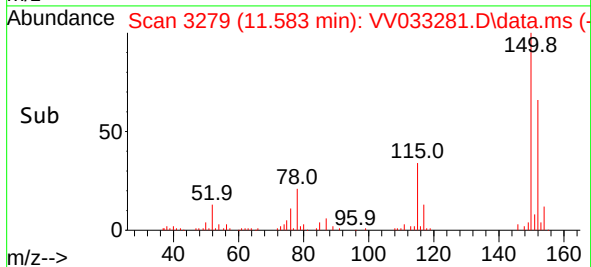
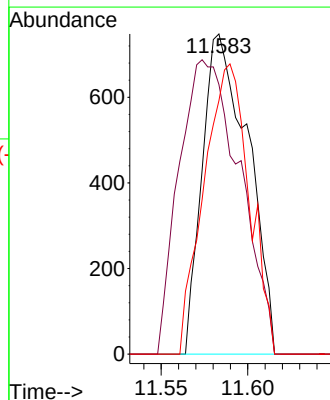
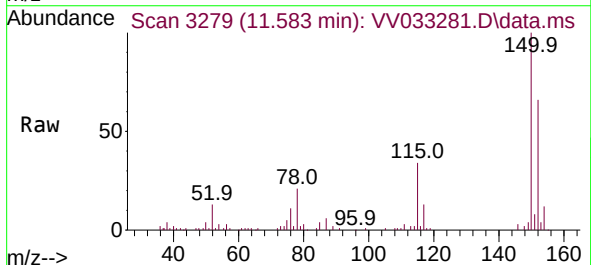
Instrument :
MSVOA_V
ClientSampleId :
E0Y53

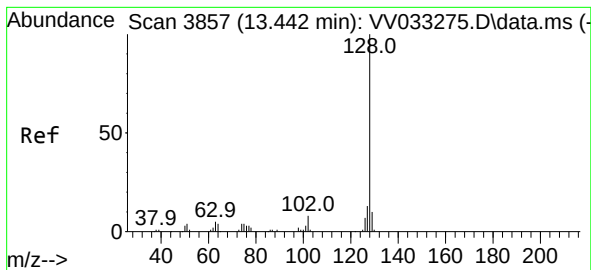
Tgt Ion:146 Resp: 3774
Ion Ratio Lower Upper
146 100
111 41.5 25.6 47.4
148 66.1 44.7 82.9



#67
1,2-Dichlorobenzene
Concen: 0.071 ug/L
RT: 11.583 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VV033281.D
Acq: 13 Dec 2023 17:10

Tgt Ion:146 Resp: 1373
Ion Ratio Lower Upper
146 100
111 84.2 31.0 46.4#
148 79.1 52.6 79.0#





#71

Naphthalene

Concen: 0.147 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.010 min

Lab File: VV033281.D

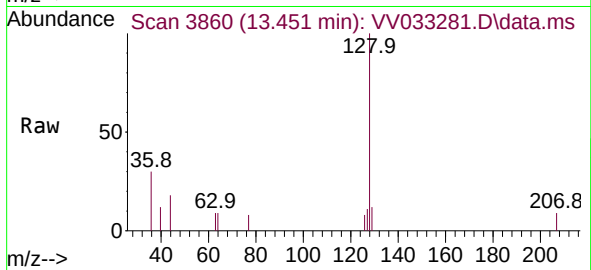
Acq: 13 Dec 2023 17:10

Instrument :

MSVOA_V

ClientSampleId :

E0Y53



Tgt Ion:128 Resp: 2349

Ion Ratio Lower Upper

128 100

129 5.7 8.8 13.2#

127 7.1 10.1 15.1#

