

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033284.D
 Acq On : 13 Dec 2023 18:22
 Operator : SY/MD
 Sample : 05731-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EOY56

Quant Time: Dec 13 23:34:46 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	5.532	114	120789	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	120516	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	61983	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	40422	5.220	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.400%
7) Chloroethane-d5	1.532	69	30723	5.335	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.600%
11) 1,1-Dichloroethene-d2	2.056	65	16365	5.310	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.200%
20) 2-Butanone-d5	3.841	46	11928	13.017	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	26.040%#
24) Chloroform-d	4.246	84	87438	5.414	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.200%
26) 1,2-Dichloroethane-d4	4.944	65	40974	5.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.800%
32) Benzene-d6	4.960	84	163273	5.237	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.800%
36) 1,2-Dichloropropane-d6	5.989	67	39496	5.566	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.400%
41) Toluene-d8	7.243	98	152302	5.013	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
43) trans-1,3-Dichloroprop...	7.554	79	16386	5.062	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.200%
46) 2-Hexanone-d5	8.034	63	50440	55.813	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.620%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	27130	5.653	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	62781	5.751	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.214	50	896	0.104	ug/L	86
5) Vinyl chloride	1.281	62	1948	0.223	ug/L #	48
8) Chloroethane	1.278	64	1317	0.262	ug/L #	30
22) cis-1,2-Dichloroethene	3.821	96	7333	0.848	ug/L	94
33) Benzene	5.014	78	9454	0.293	ug/L	100
34) Trichloroethene	5.834	95	14806	1.573	ug/L	96
35) Methylcyclohexane	6.050	83	4222	0.303	ug/L #	83
37) 1,2-Dichloropropane	5.989	63	5592	0.861	ug/L #	81
42) Toluene	7.320	91	28148	0.761	ug/L	100
44) trans-1,3-Dichloropropene	7.564	75	853	0.097	ug/L #	43
47) Tetrachloroethene	7.911	164	3112	0.349	ug/L	94
49) Dibromochloromethane	7.908	129	2921	0.416	ug/L #	11
52) Ethylbenzene	8.953	91	6752	0.163	ug/L	96
53) m,p-Xylene	9.072	106	4415	0.259	ug/L	90
54) o-Xylene	9.480	106	1909	0.118	ug/L	91
60) Isopropylbenzene	10.387	105	2932	0.071	ug/L	94
61) 1,2,3-Trichloropropane	11.188	75	5684	1.730	ug/L #	54
63) 1,2,4-Trimethylbenzene	10.853	105	3960	0.119	ug/L	93

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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

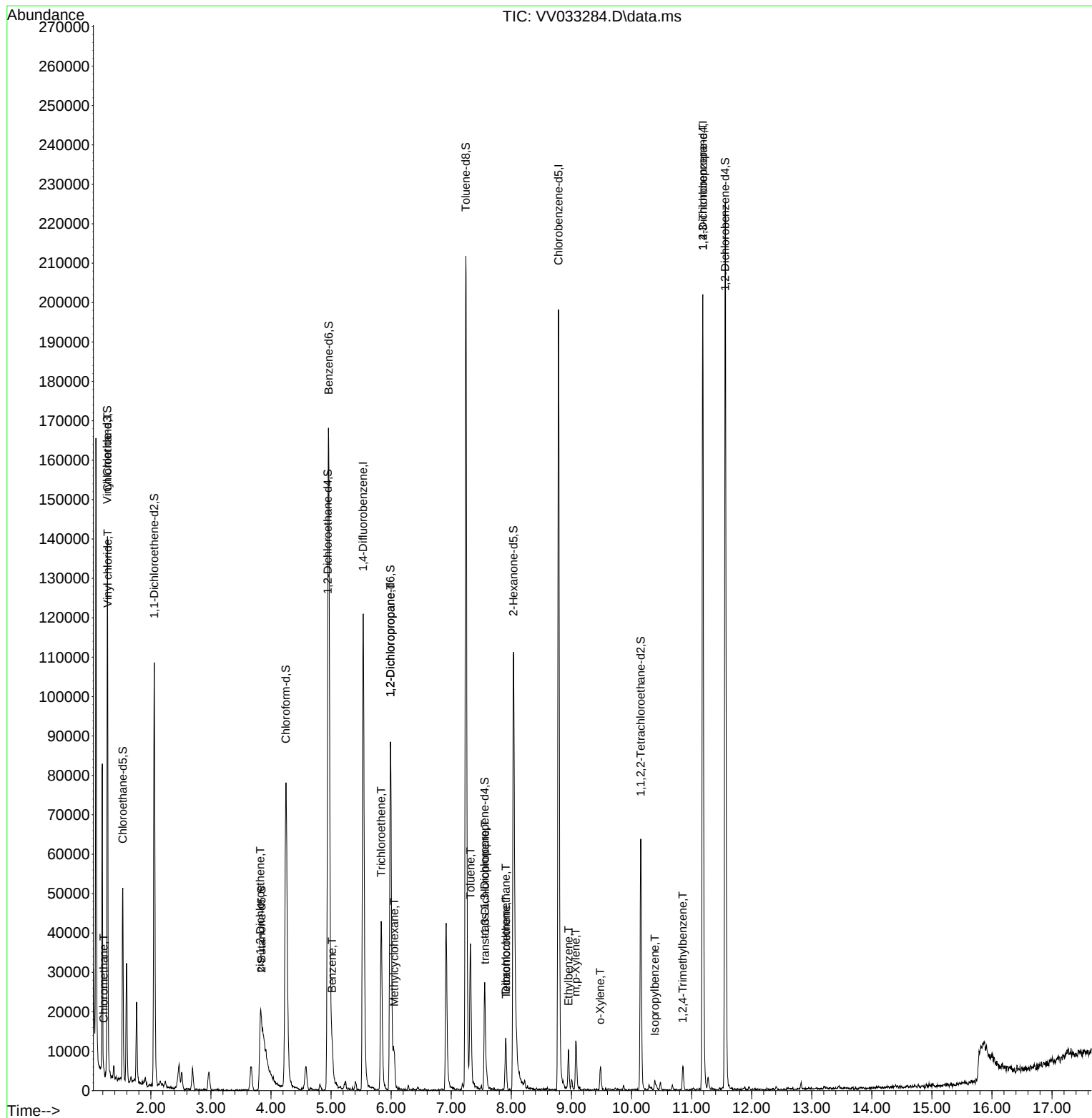
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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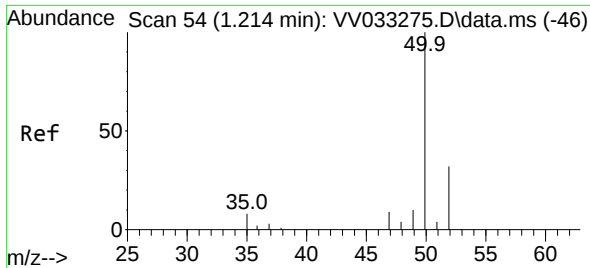
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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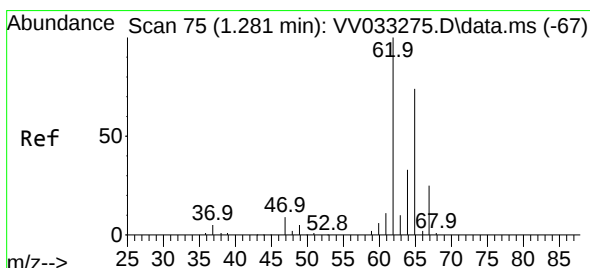
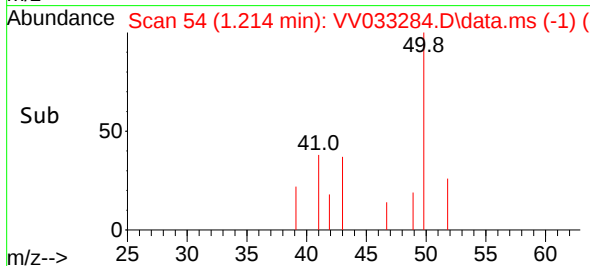
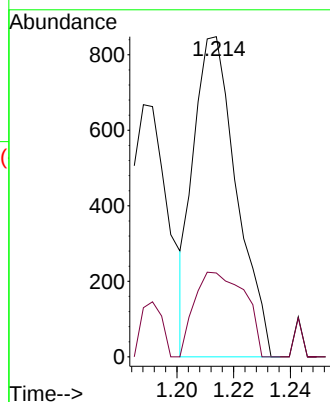
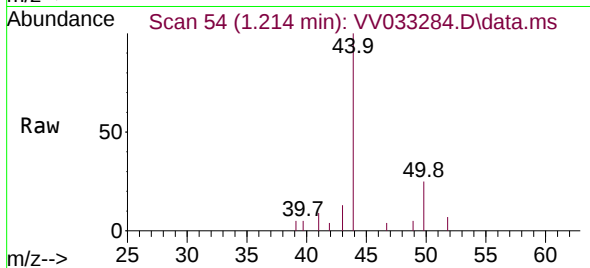




#3
Chloromethane
Concen: 0.104 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV033284.D
Acq: 13 Dec 2023 18:22

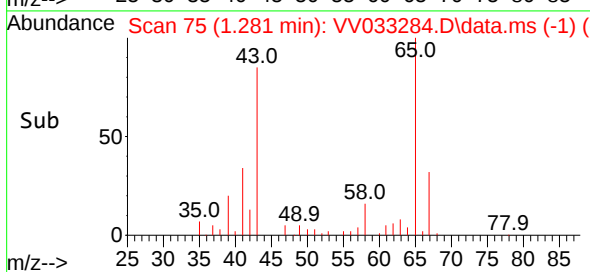
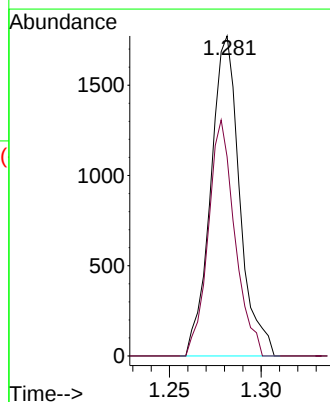
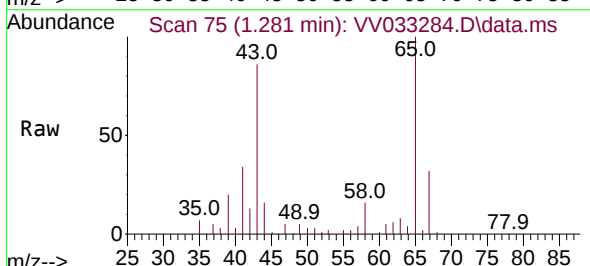
Instrument :
MSVOA_V
ClientSampleId :
E0Y56

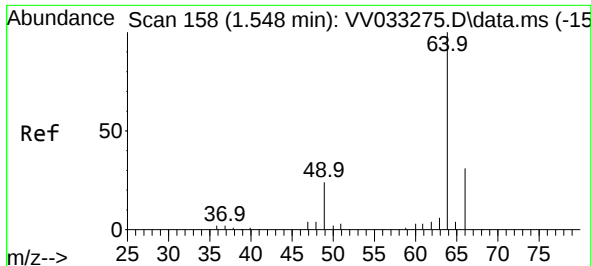
Tgt Ion: 50 Resp: 896
Ion Ratio Lower Upper
50 100
52 26.2 23.8 44.2



#5
Vinyl chloride
Concen: 0.223 ug/L
RT: 1.281 min Scan# 75
Delta R.T. -0.000 min
Lab File: VV033284.D
Acq: 13 Dec 2023 18:22

Tgt Ion: 62 Resp: 1948
Ion Ratio Lower Upper
62 100
64 62.3 23.0 42.8





#8

Chloroethane

Concen: 0.262 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.270 min

Lab File: VV033284.D

Acq: 13 Dec 2023 18:22

Instrument :

MSVOA_V

ClientSampleId :

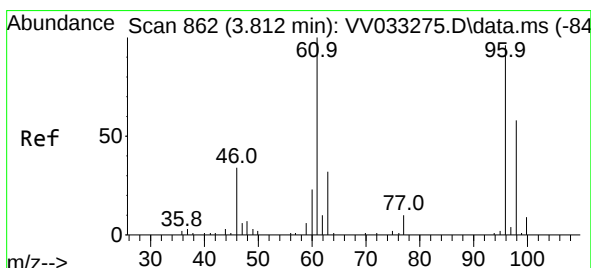
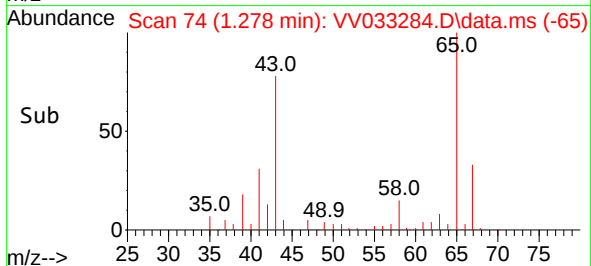
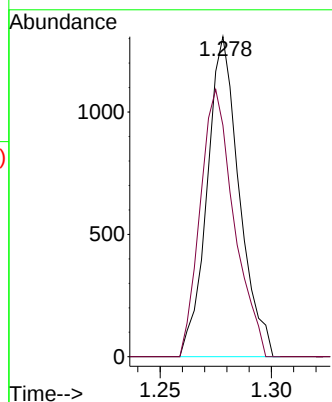
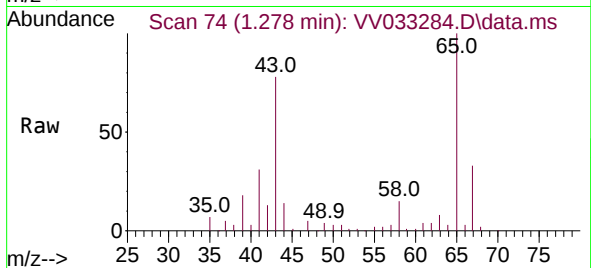
E0Y56

Tgt Ion: 64 Resp: 1317

Ion Ratio Lower Upper

64 100

66 72.3 22.9 42.5#



#22

cis-1,2-Dichloroethene

Concen: 0.848 ug/L

RT: 3.821 min Scan# 865

Delta R.T. 0.010 min

Lab File: VV033284.D

Acq: 13 Dec 2023 18:22

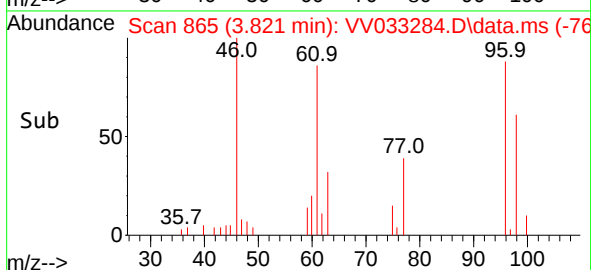
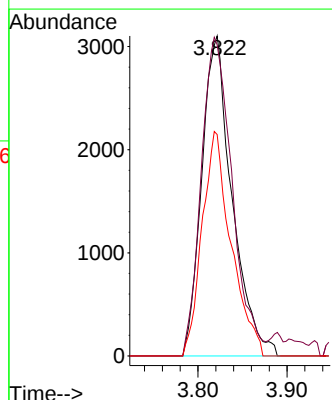
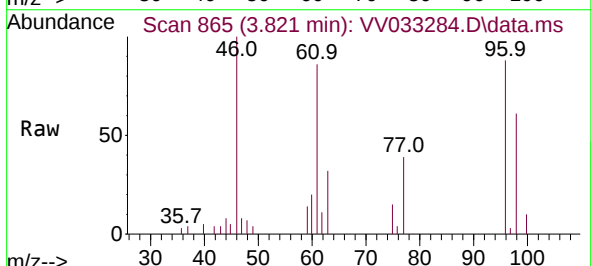
Tgt Ion: 96 Resp: 7333

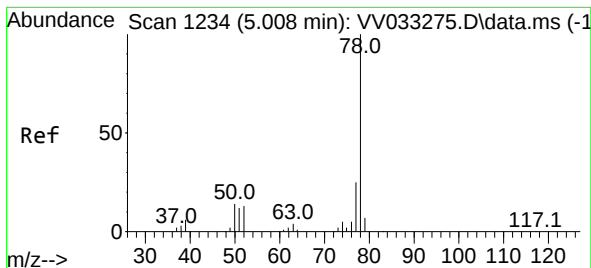
Ion Ratio Lower Upper

96 100

61 97.2 69.9 129.9

98 69.2 42.4 78.8





#33

Benzene

Concen: 0.293 ug/L

RT: 5.014 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV033284.D

Acq: 13 Dec 2023 18:22

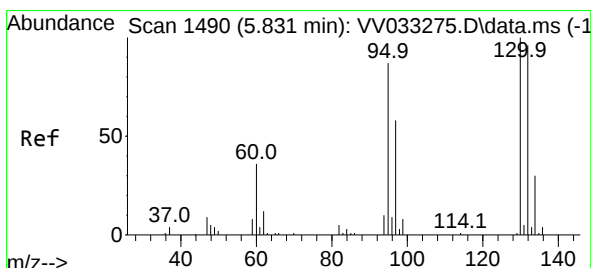
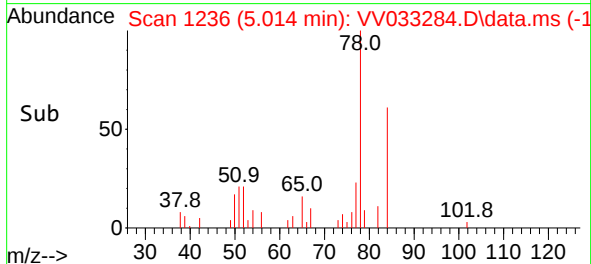
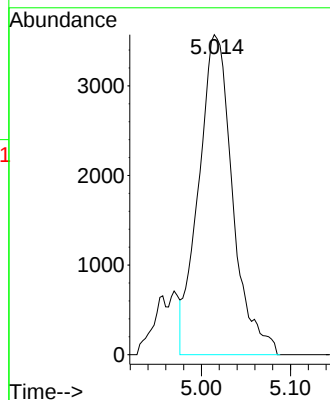
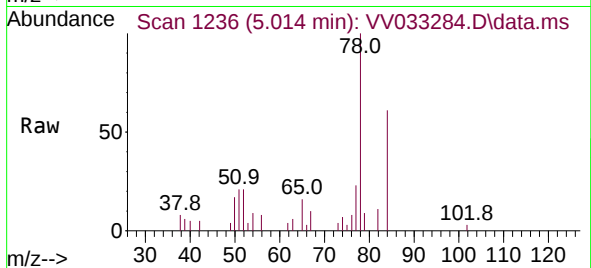
Instrument :

MSVOA_V

ClientSampleId :

E0Y56

Tgt Ion: 78 Resp: 9454



#34

Trichloroethene

Concen: 1.573 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV033284.D

Acq: 13 Dec 2023 18:22

Tgt Ion: 95 Resp: 14806

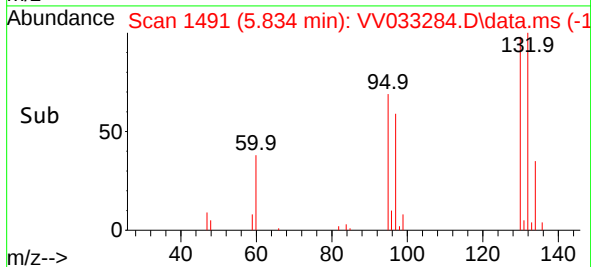
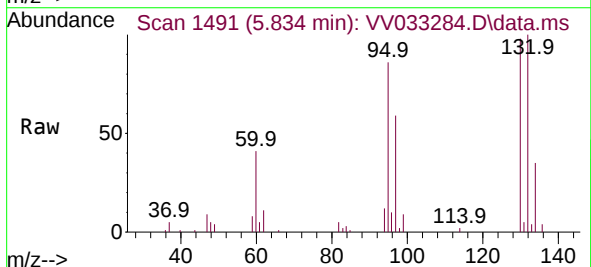
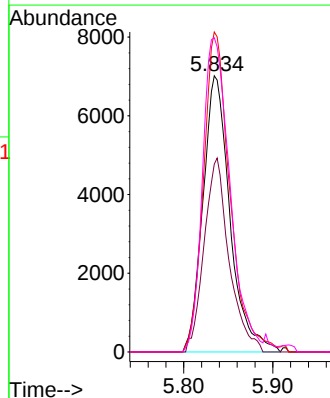
Ion Ratio Lower Upper

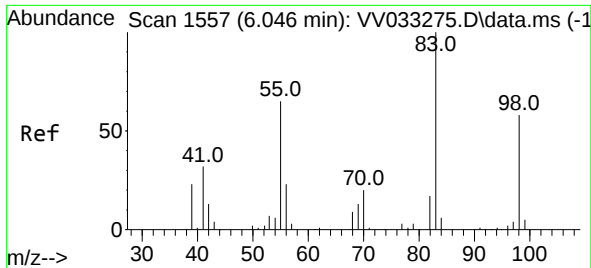
95 100

97 68.0 46.5 86.5

132 115.9 75.1 139.5

130 113.8 79.3 147.3

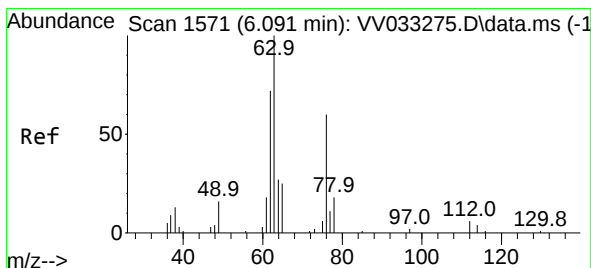
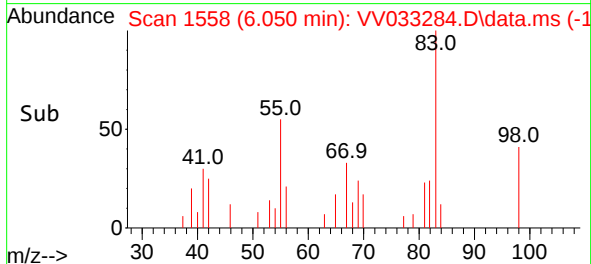
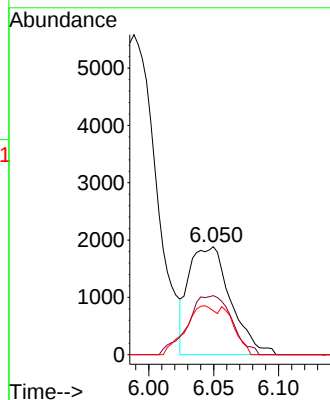
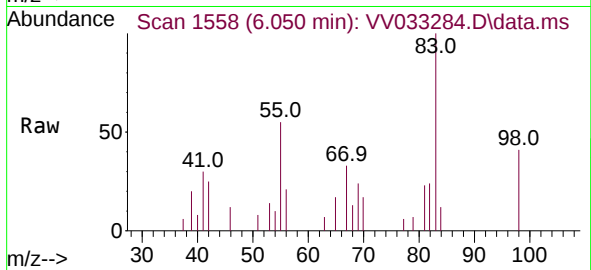




#35
Methylcyclohexane
Concen: 0.303 ug/L
RT: 6.050 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV033284.D
Acq: 13 Dec 2023 18:22

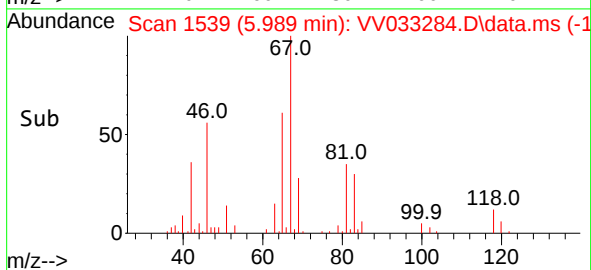
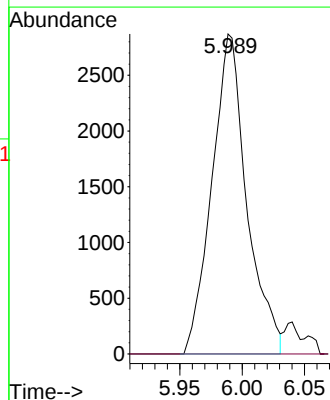
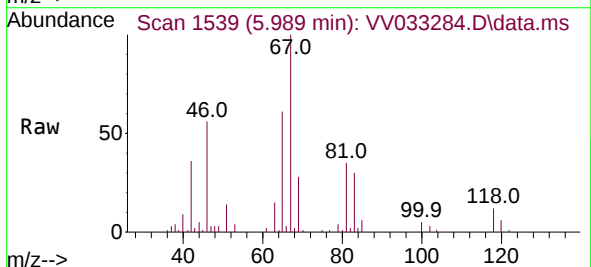
Instrument :
MSVOA_V
ClientSampleId :
E0Y56

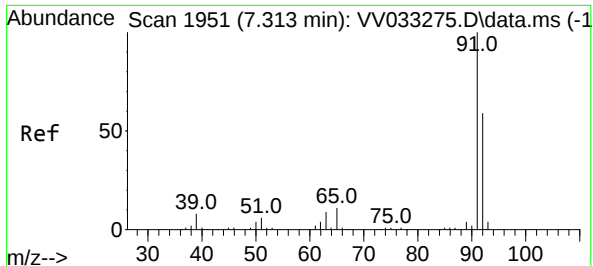
Tgt Ion: 83 Resp: 4222
Ion Ratio Lower Upper
83 100
55 57.4 50.7 76.1
98 33.3 42.4 63.6#



#37
1,2-Dichloropropane
Concen: 0.861 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.103 min
Lab File: VV033284.D
Acq: 13 Dec 2023 18:22

Tgt Ion: 63 Resp: 5592
Ion Ratio Lower Upper
63 100
112 0.0 5.0 7.6#





#42

Toluene

Concen: 0.761 ug/L

RT: 7.320 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VV033284.D

Acq: 13 Dec 2023 18:22

Instrument :

MSVOA_V

ClientSampleId :

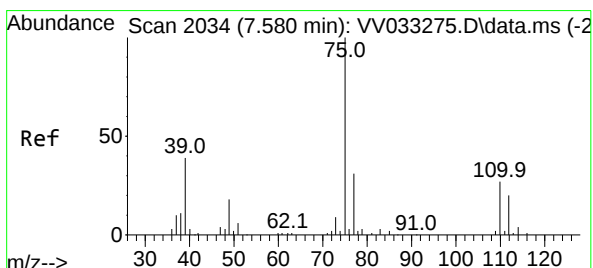
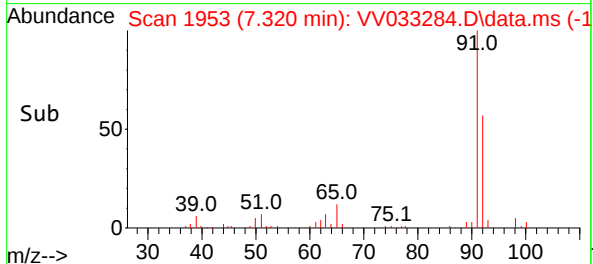
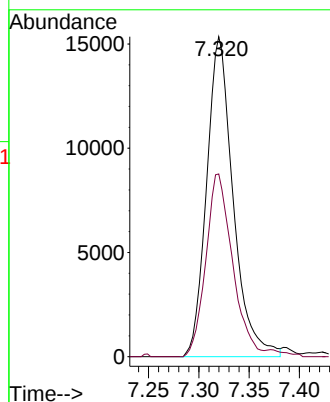
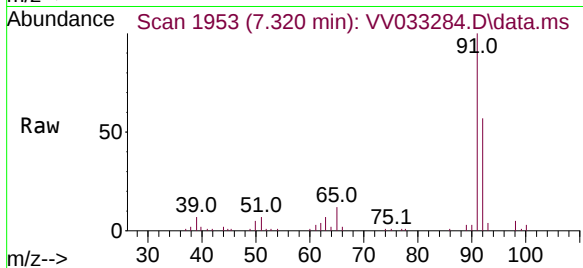
E0Y56

Tgt Ion: 91 Resp: 28148

Ion Ratio Lower Upper

91 100

92 57.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.564 min Scan# 2029

Delta R.T. -0.016 min

Lab File: VV033284.D

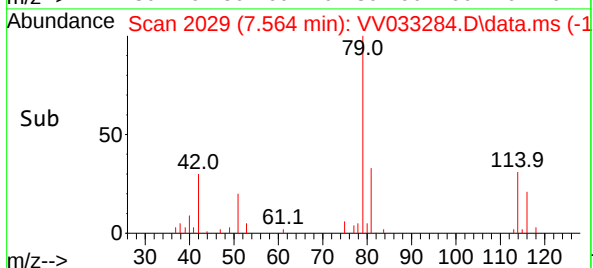
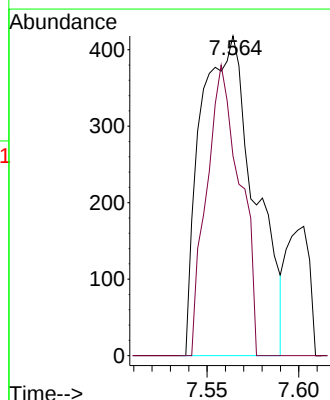
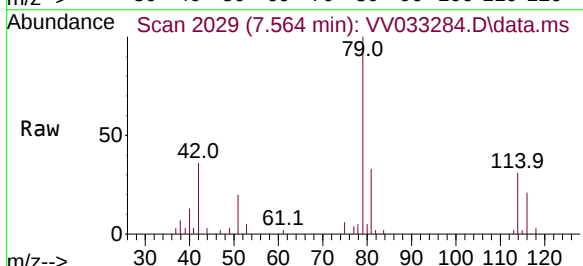
Acq: 13 Dec 2023 18:22

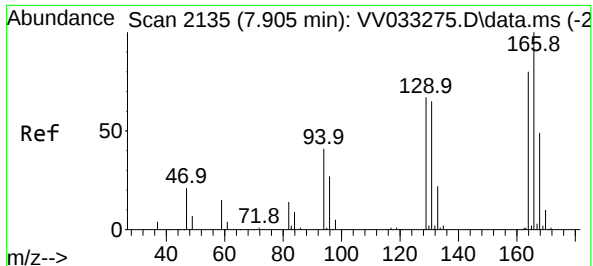
Tgt Ion: 75 Resp: 853

Ion Ratio Lower Upper

75 100

77 62.4 21.7 40.3#





#47

Tetrachloroethene

Concen: 0.349 ug/L

RT: 7.911 min Scan# 2136

Delta R.T. 0.006 min

Lab File: VV033284.D

Acq: 13 Dec 2023 18:22

Instrument :

MSVOA_V

ClientSampleId :

E0Y56

Tgt Ion:164 Resp: 3112

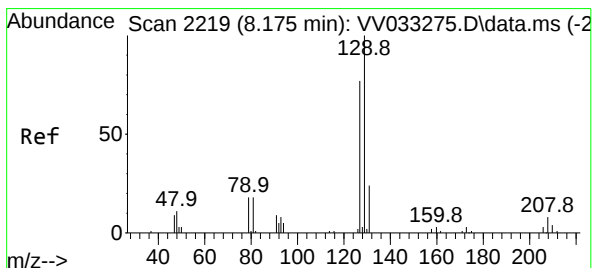
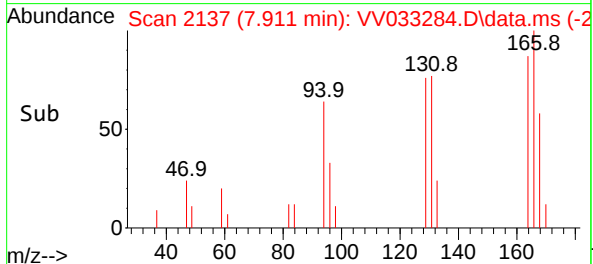
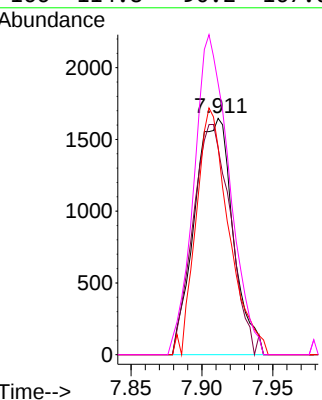
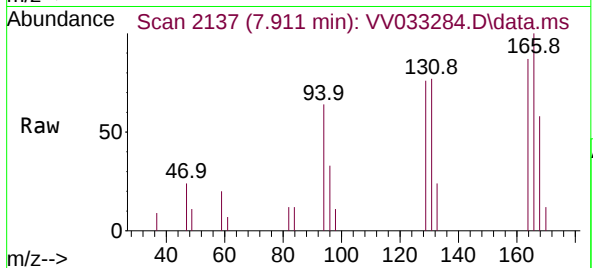
Ion Ratio Lower Upper

164 100

129 87.5 62.6 116.3

131 87.9 62.6 116.3

166 114.8 90.2 167.6



#49

Dibromochloromethane

Concen: 0.416 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.267 min

Lab File: VV033284.D

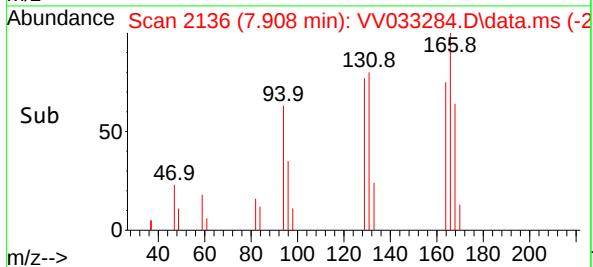
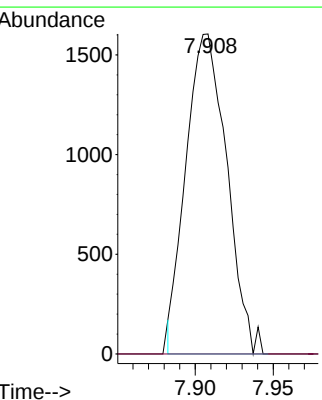
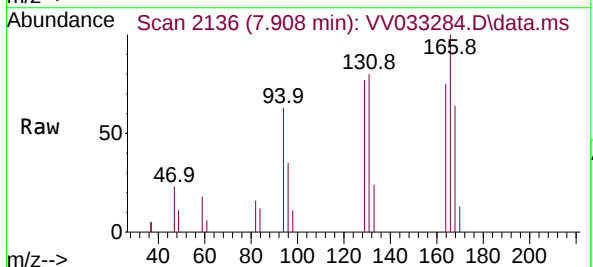
Acq: 13 Dec 2023 18:22

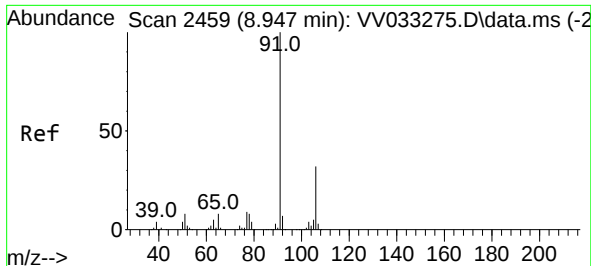
Tgt Ion:129 Resp: 2921

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#

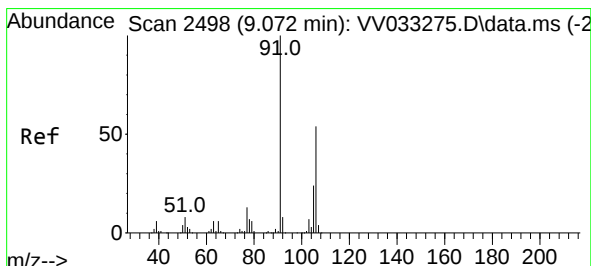
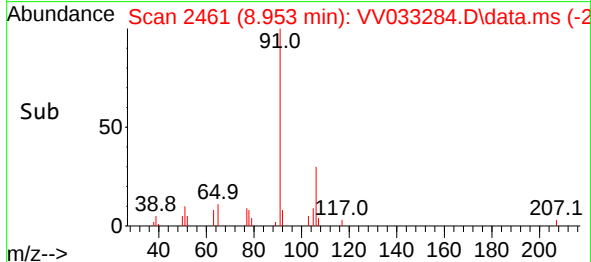
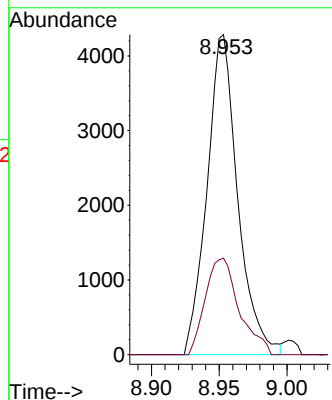
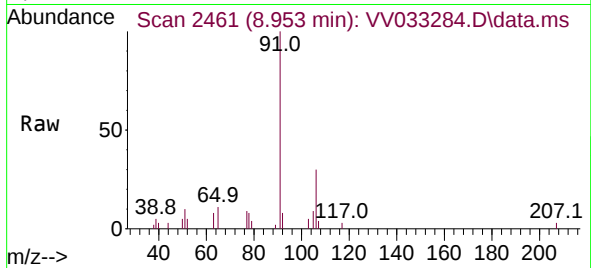




#52
Ethylbenzene
Concen: 0.163 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.006 min
Lab File: VV033284.D
Acq: 13 Dec 2023 18:22

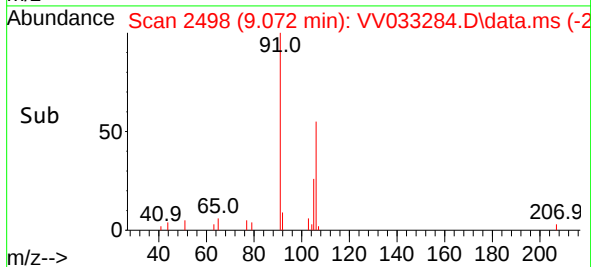
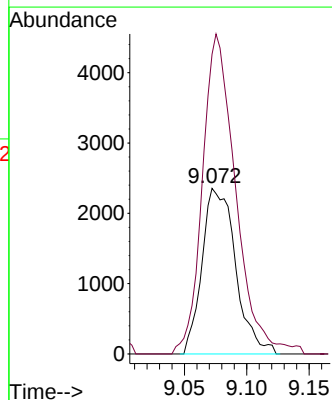
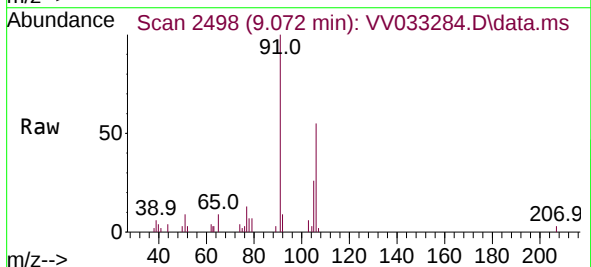
Instrument :
MSVOA_V
ClientSampleId :
E0Y56

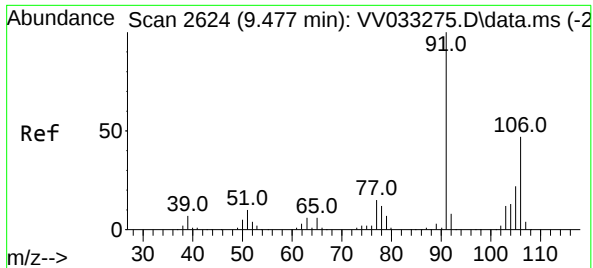
Tgt Ion: 91 Resp: 6752
Ion Ratio Lower Upper
91 100
106 30.2 22.7 42.3



#53
m,p-Xylene
Concen: 0.259 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033284.D
Acq: 13 Dec 2023 18:22

Tgt Ion: 106 Resp: 4415
Ion Ratio Lower Upper
106 100
91 180.9 136.8 254.0

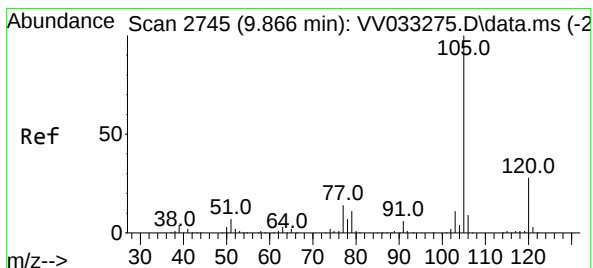
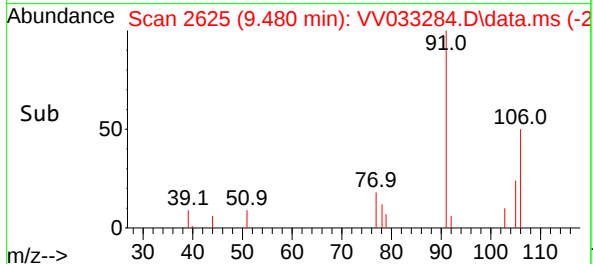
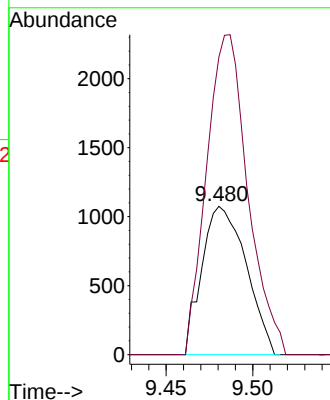
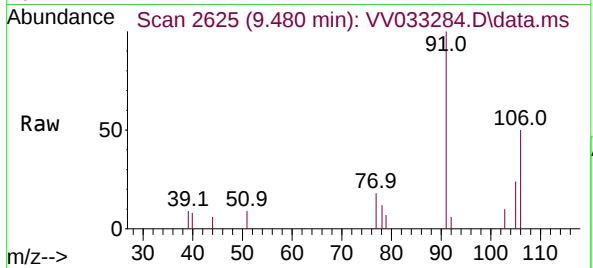




#54
o-Xylene
Concen: 0.118 ug/L
RT: 9.480 min Scan# 2109
Delta R.T. 0.003 min
Lab File: VV033284.D
Acq: 13 Dec 2023 18:22

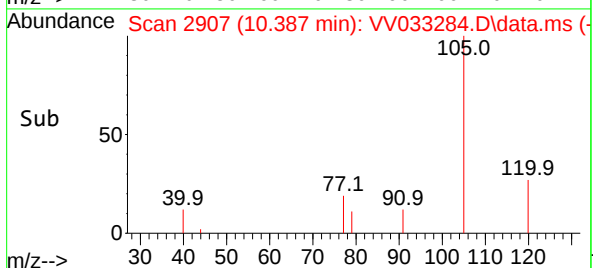
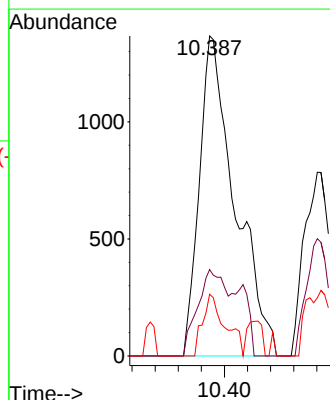
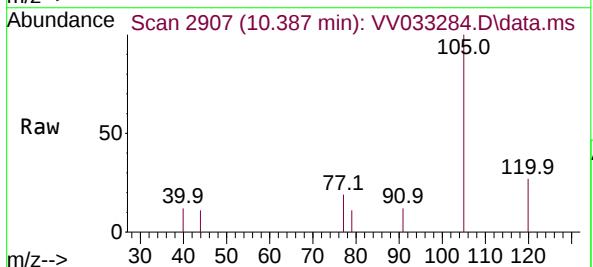
Instrument :
MSVOA_V
ClientSampleId :
E0Y56

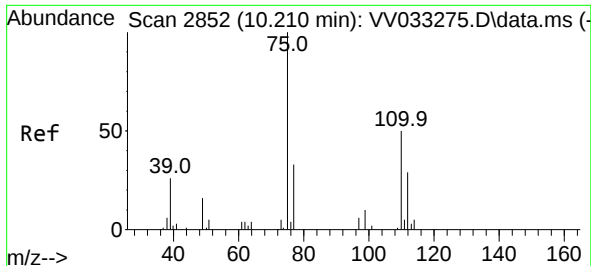
Tgt Ion:106 Resp: 1909
Ion Ratio Lower Upper
106 100
91 200.7 149.9 278.5



#60
Isopropylbenzene
Concen: 0.071 ug/L
RT: 10.387 min Scan# 2907
Delta R.T. 0.521 min
Lab File: VV033284.D
Acq: 13 Dec 2023 18:22

Tgt Ion:105 Resp: 2932
Ion Ratio Lower Upper
105 100
120 24.3 22.2 33.4
77 12.1 11.6 17.4





#61

1,2,3-Trichloropropane

Concen: 1.730 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.977 min

Lab File: VV033284.D

Acq: 13 Dec 2023 18:22

Instrument :

MSVOA_V

ClientSampleId :

E0Y56

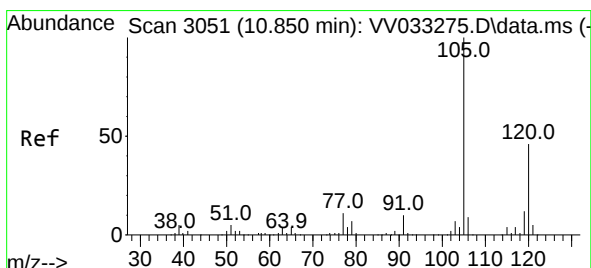
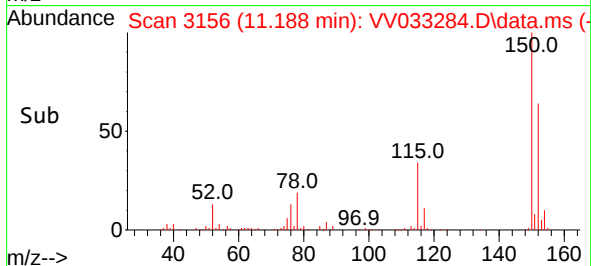
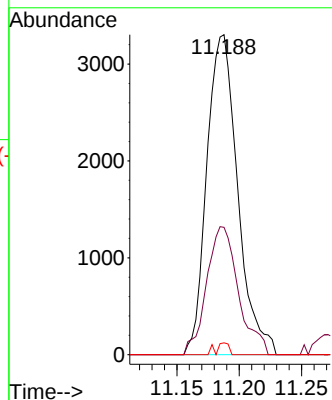
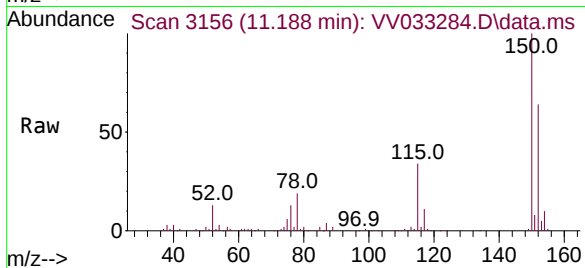
Tgt Ion: 75 Resp: 5684

Ion Ratio Lower Upper

75 100

77 41.3 27.4 41.2#

110 1.5 39.4 59.2#



#63

1,2,4-Trimethylbenzene

Concen: 0.119 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033284.D

Acq: 13 Dec 2023 18:22

Tgt Ion: 105 Resp: 3960

Ion Ratio Lower Upper

105 100

120 52.2 38.1 57.1

