

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033278.D
 Acq On : 13 Dec 2023 15:59
 Operator : SY/MD
 Sample : 05731-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EOY50

Quant Time: Dec 13 23:32:48 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	5.535	114	141533	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	135520	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	68571	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	43251	4.767	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.400%
7) Chloroethane-d5	1.532	69	31841	4.719	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.059	65	16904	4.681	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.600%
20) 2-Butanone-d5	3.793	46	53005	49.366	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.740%
24) Chloroform-d	4.249	84	92572	4.892	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	4.940	65	43228	5.257	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.200%
32) Benzene-d6	4.960	84	177473	5.062	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	5.989	67	41633	5.217	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.400%
41) Toluene-d8	7.243	98	167351	4.899	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
43) trans-1,3-Dichloroprop...	7.558	79	18305	5.029	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.600%
46) 2-Hexanone-d5	8.024	63	50389	49.583	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.160%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	26934	4.991	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	11.561	152	64746	5.361	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.214	50	1750	0.173	ug/L	83
13) Acetone	2.121	43	1605	2.112	ug/L #	32
15) Methyl Acetate	2.471	43	18232	9.053	ug/L #	49
25) Chloroform	4.281	83	13170	0.726	ug/L	90
30) Cyclohexane	4.583	56	11087	0.925	ug/L	98
33) Benzene	5.014	78	38233	1.053	ug/L	100
34) Trichloroethene	5.837	95	18554	1.752	ug/L	94
35) Methylcyclohexane	6.050	83	15252	0.973	ug/L	97
37) 1,2-Dichloropropane	5.989	63	5724	0.784	ug/L #	81
38) Bromodichloromethane	6.442	83	2207	0.188	ug/L #	91
39) cis-1,3-Dichloropropene	6.915	75	1471	0.124	ug/L #	71
42) Toluene	7.316	91	108961	2.620	ug/L	100
44) trans-1,3-Dichloropropene	7.558	75	962	0.097	ug/L	86
45) 1,1,2-Trichloroethane	7.722	97	585	0.104	ug/L #	18
47) Tetrachloroethene	7.915	164	1248	0.124	ug/L	91
52) Ethylbenzene	8.950	91	32566	0.699	ug/L	97
53) m,p-Xylene	9.075	106	17069	0.890	ug/L	98
54) o-Xylene	9.480	106	8308	0.457	ug/L	84
60) Isopropylbenzene	10.680	105	4226	0.093	ug/L	93

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 13 23:30:39 2023
Response via : Initial Calibration

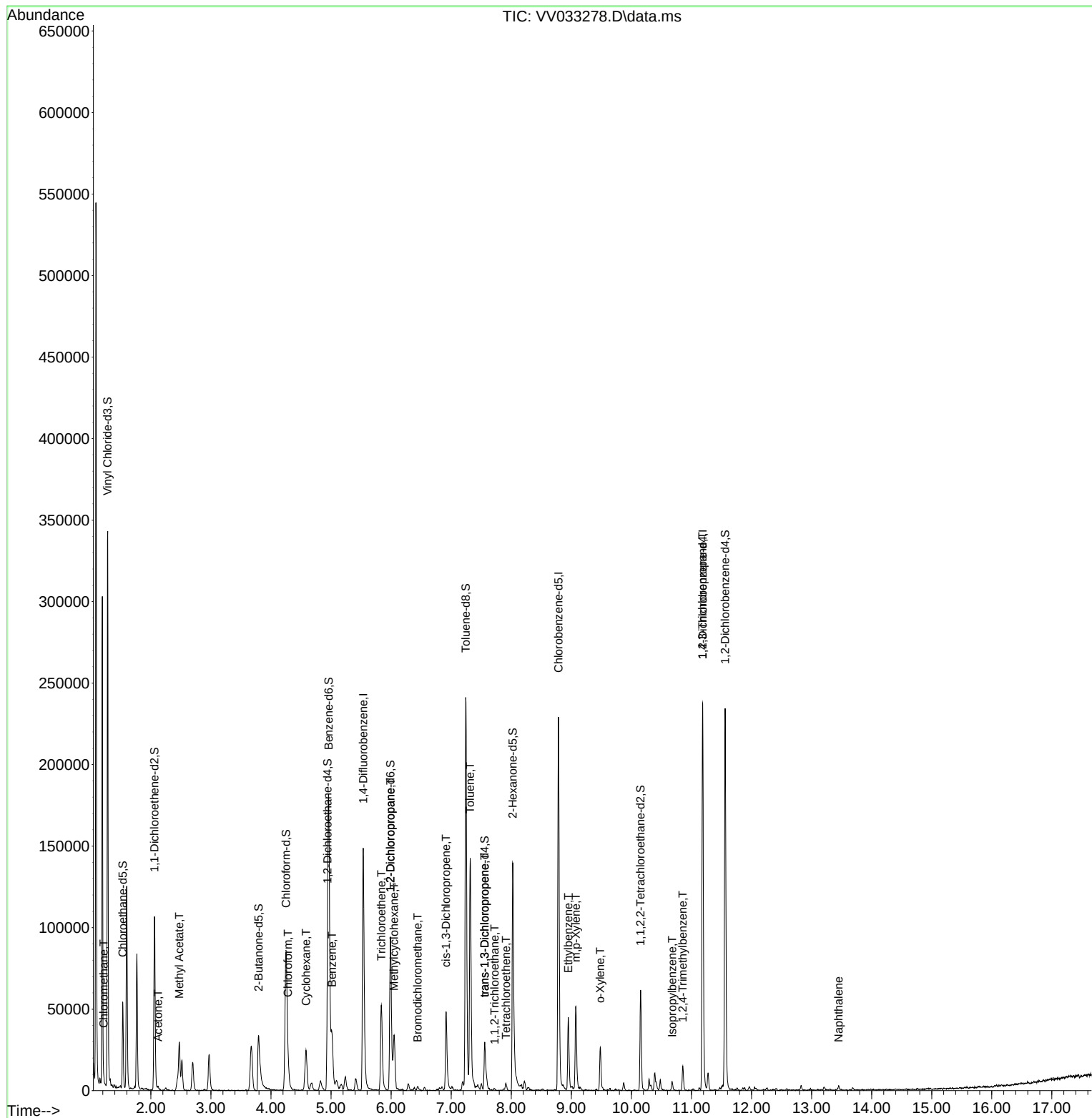
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.184	75	5509	1.516	ug/L #	55
63) 1,2,4-Trimethylbenzene	10.853	105	8637	0.235	ug/L	88
71) Naphthalene	13.448	128	2674	0.162	ug/L	94

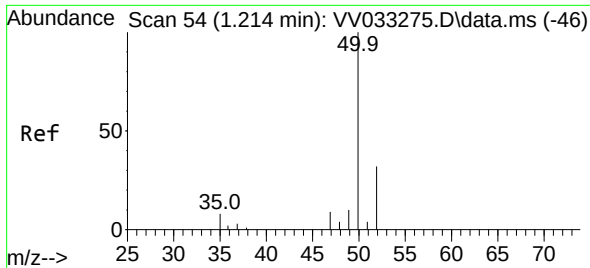
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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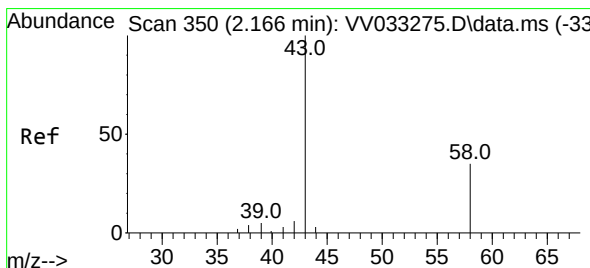
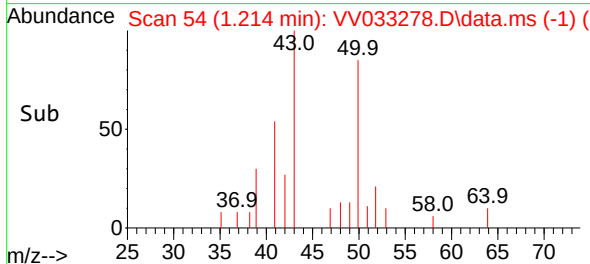
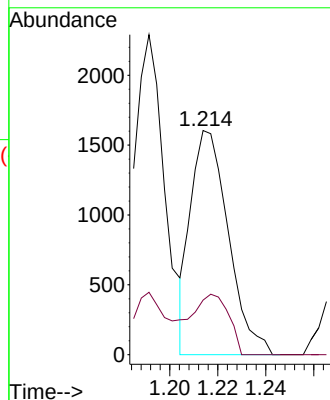
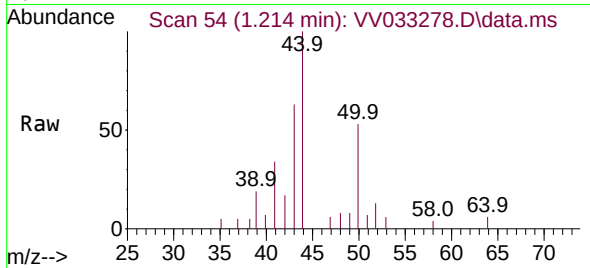




#3
Chloromethane
Concen: 0.173 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.000 min
Lab File: VV033278.D
Acq: 13 Dec 2023 15:59

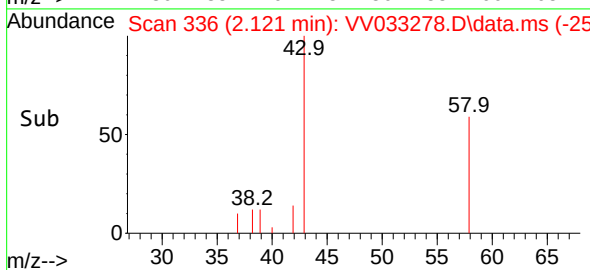
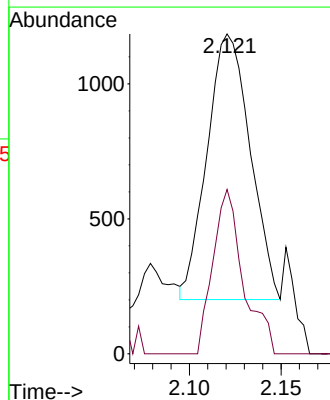
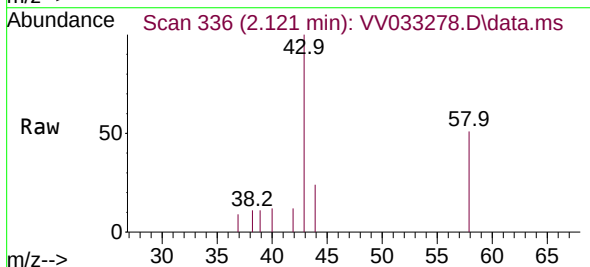
Instrument :
MSVOA_V
ClientSampleId :
E0Y50

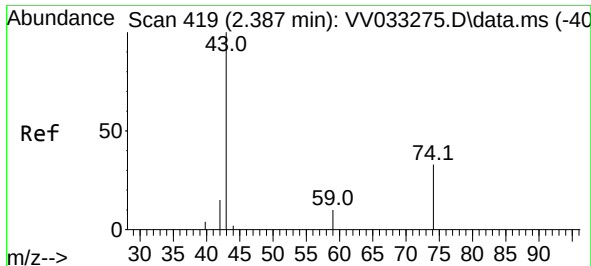
Tgt Ion: 50 Resp: 1750
Ion Ratio Lower Upper
50 100
52 24.3 23.8 44.2



#13
Acetone
Concen: 2.112 ug/L
RT: 2.121 min Scan# 336
Delta R.T. -0.045 min
Lab File: VV033278.D
Acq: 13 Dec 2023 15:59

Tgt Ion: 43 Resp: 1605
Ion Ratio Lower Upper
43 100
58 43.6 0.0 30.2#

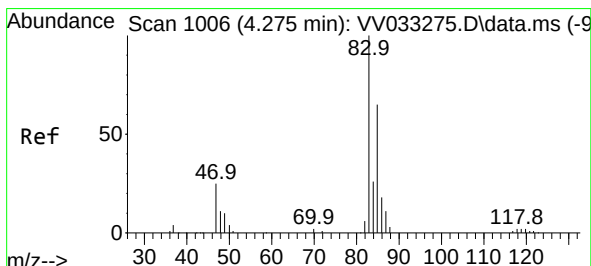
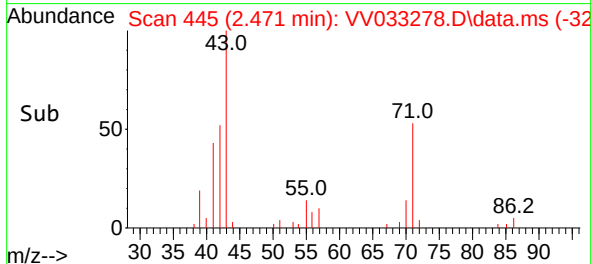
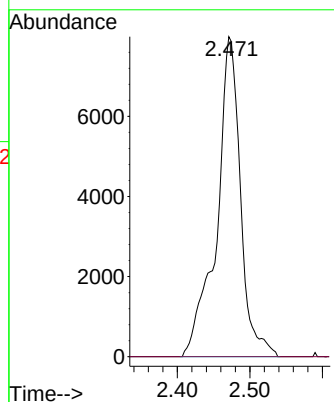
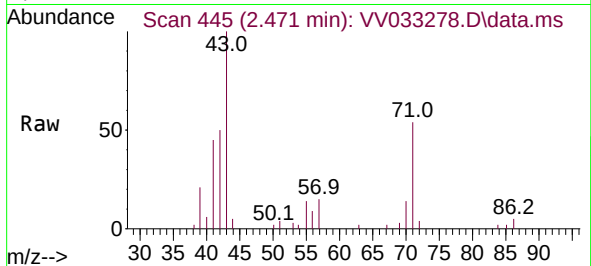




#15
Methyl Acetate
Concen: 9.053 ug/L
RT: 2.471 min Scan# 445
Delta R.T. 0.084 min
Lab File: VV033278.D
Acq: 13 Dec 2023 15:59

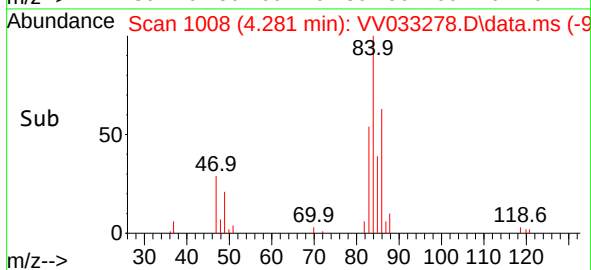
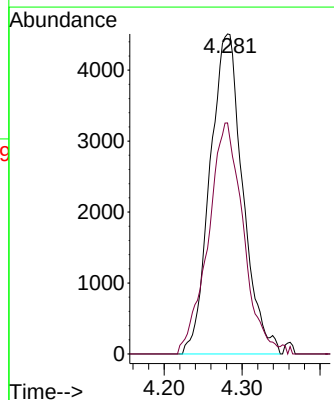
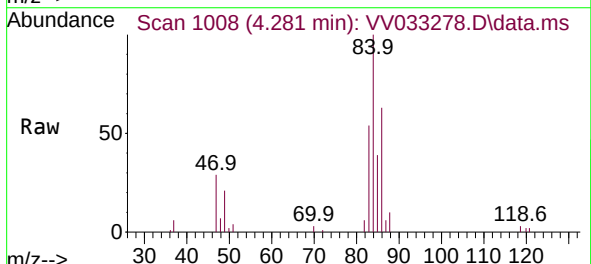
Instrument :
MSVOA_V
ClientSampleId :
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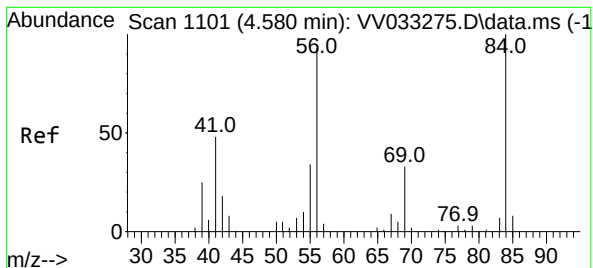
Tgt Ion: 43 Resp: 18232
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#



#25
Chloroform
Concen: 0.726 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.006 min
Lab File: VV033278.D
Acq: 13 Dec 2023 15:59

Tgt Ion: 83 Resp: 13170
Ion Ratio Lower Upper
83 100
85 72.2 45.3 84.1





#30

Cyclohexane

Concen: 0.925 ug/L

RT: 4.583 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV033278.D

Acq: 13 Dec 2023 15:59

Instrument :

MSVOA_V

ClientSampleId :

E0Y50

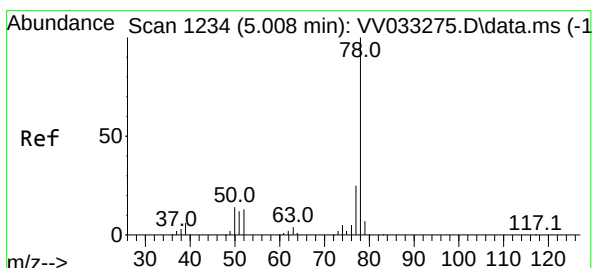
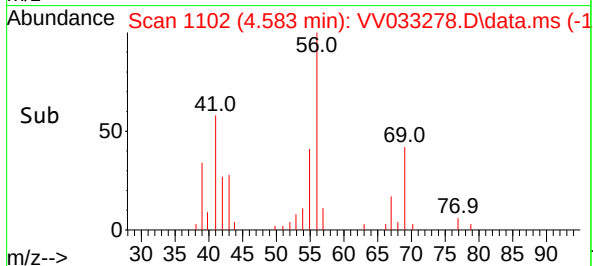
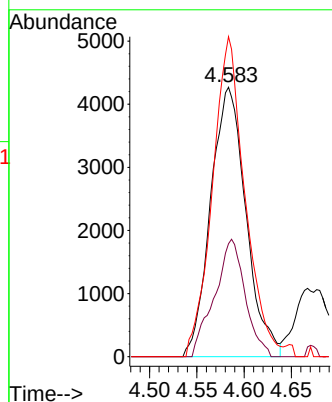
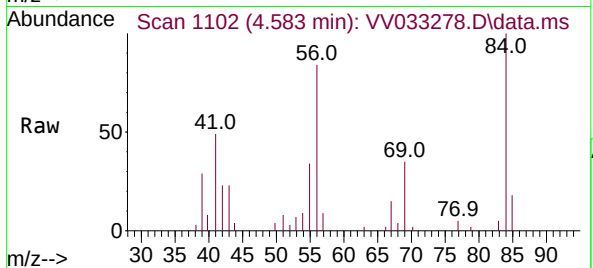
Tgt Ion: 56 Resp: 11087

Ion Ratio Lower Upper

56 100

69 37.8 28.8 43.2

84 109.0 86.2 129.4



#33

Benzene

Concen: 1.053 ug/L

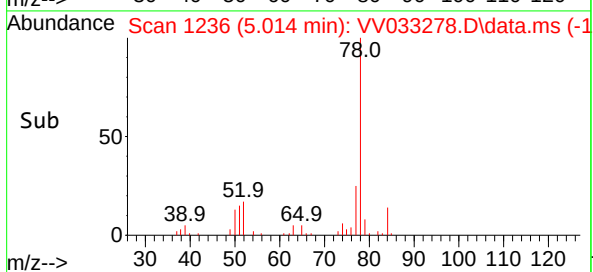
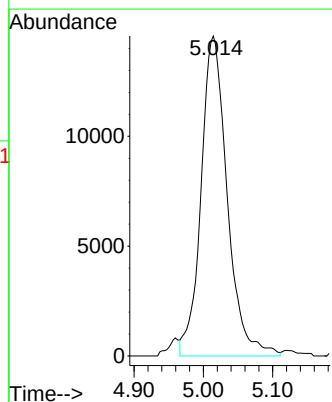
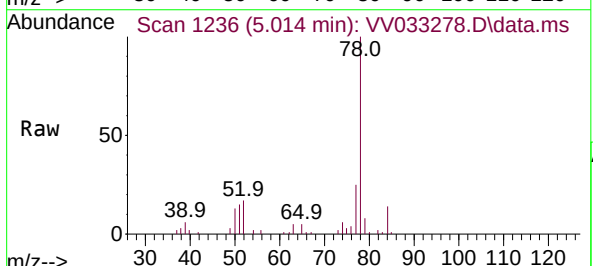
RT: 5.014 min Scan# 1236

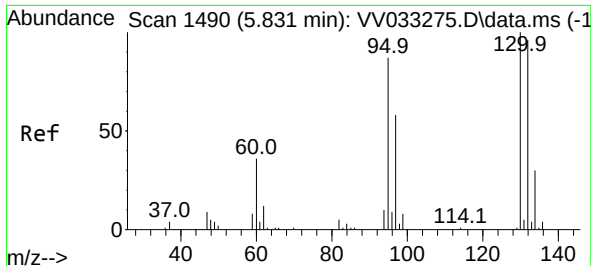
Delta R.T. 0.006 min

Lab File: VV033278.D

Acq: 13 Dec 2023 15:59

Tgt Ion: 78 Resp: 38233

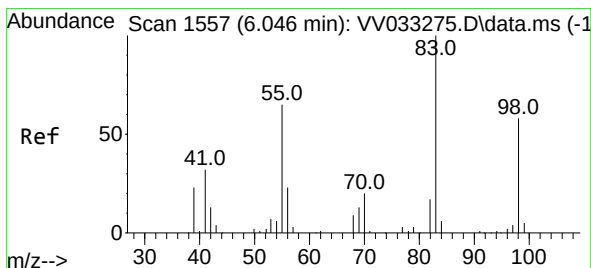
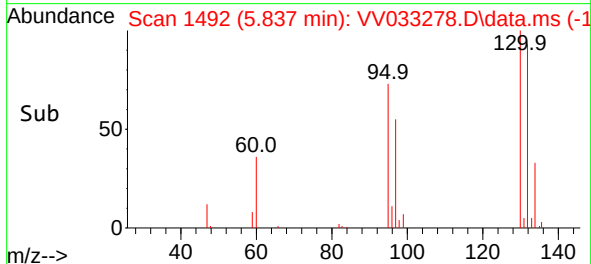
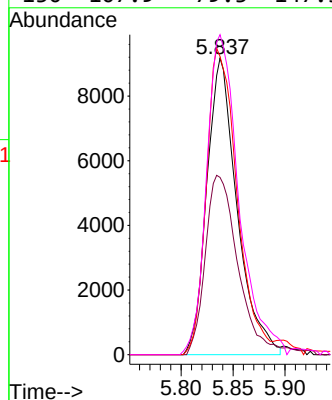
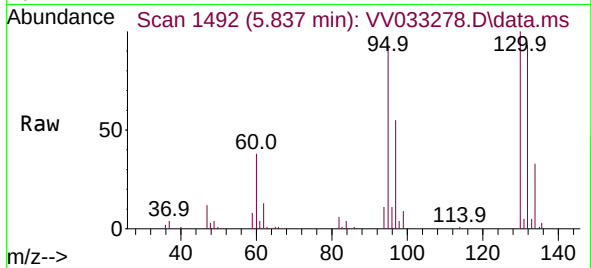




#34
Trichloroethene
Concen: 1.752 ug/L
RT: 5.837 min Scan# 1492
Delta R.T. 0.006 min
Lab File: VV033278.D
Acq: 13 Dec 2023 15:59

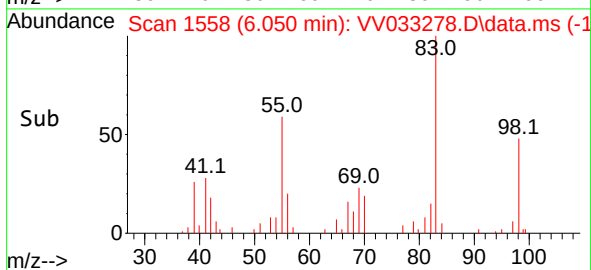
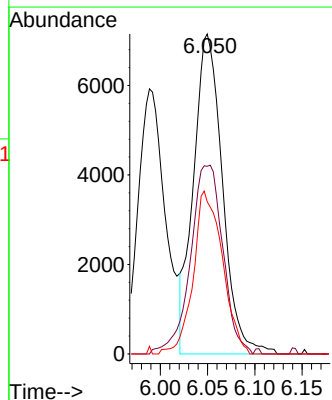
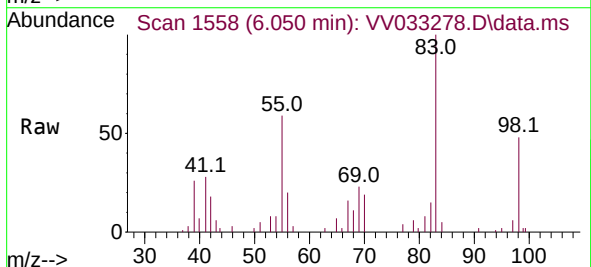
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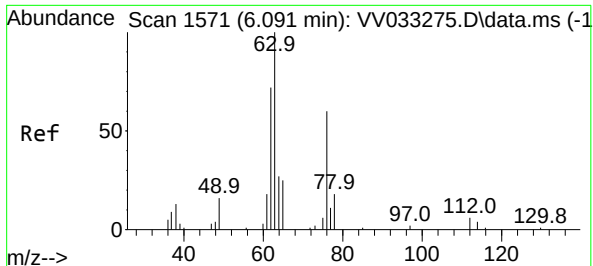
Tgt Ion:	95	Resp:	18554
Ion	Ratio	Lower	Upper
95	100		
97	59.8	46.5	86.5
132	100.6	75.1	139.5
130	107.9	79.3	147.3



#35
Methylcyclohexane
Concen: 0.973 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV033278.D
Acq: 13 Dec 2023 15:59

Tgt Ion:	83	Resp:	15252
Ion	Ratio	Lower	Upper
83	100		
55	65.8	50.7	76.1
98	51.2	42.4	63.6





#37

1,2-Dichloropropane

Concen: 0.784 ug/L

RT: 5.989 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV033278.D

Acq: 13 Dec 2023 15:59

Instrument :

MSVOA_V

ClientSampleId :

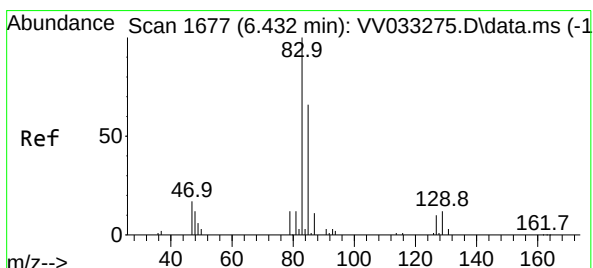
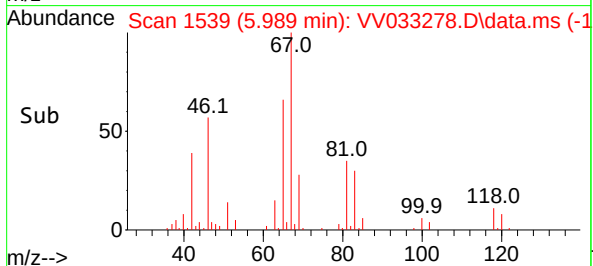
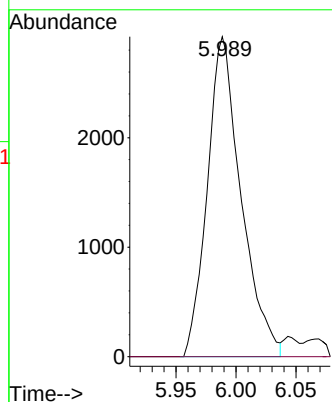
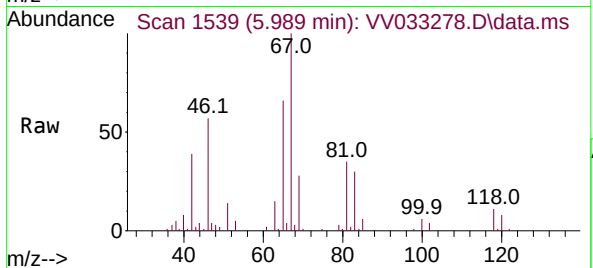
E0Y50

Tgt Ion: 63 Resp: 5724

Ion Ratio Lower Upper

63 100

112 0.0 5.0 7.6#



#38

Bromodichloromethane

Concen: 0.188 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.010 min

Lab File: VV033278.D

Acq: 13 Dec 2023 15:59

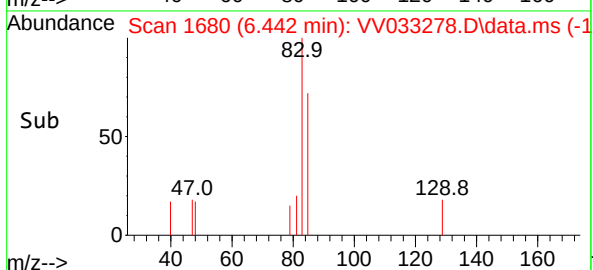
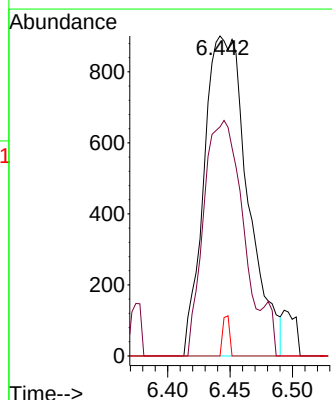
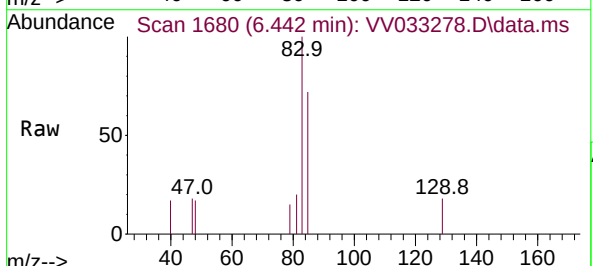
Tgt Ion: 83 Resp: 2207

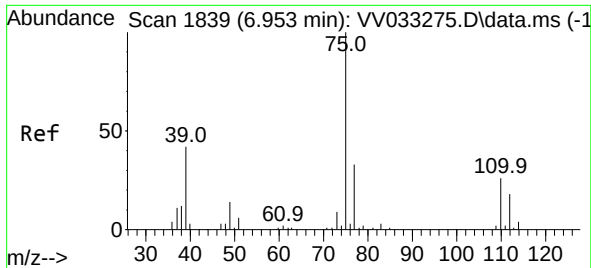
Ion Ratio Lower Upper

83 100

85 71.6 46.6 86.6

127 0.0 8.6 13.0#





#39

cis-1,3-Dichloropropene

Concen: 0.124 ug/L

RT: 6.915 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV033278.D

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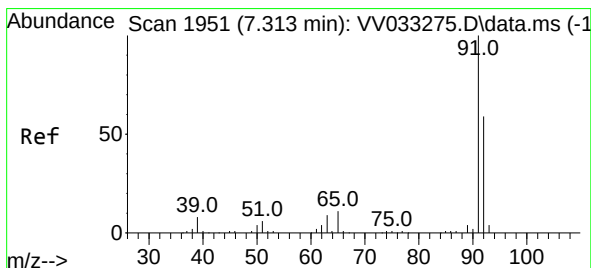
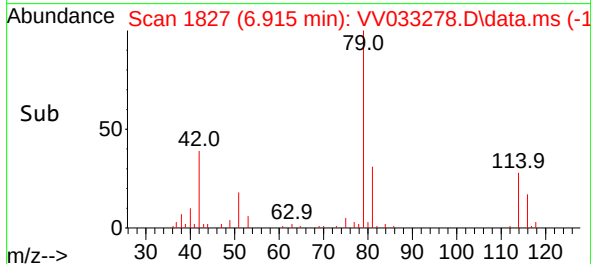
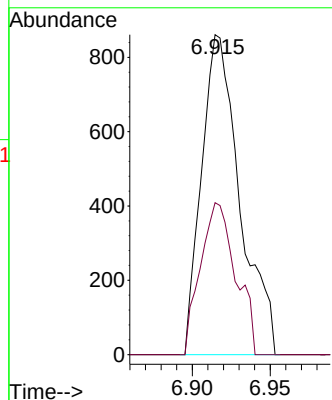
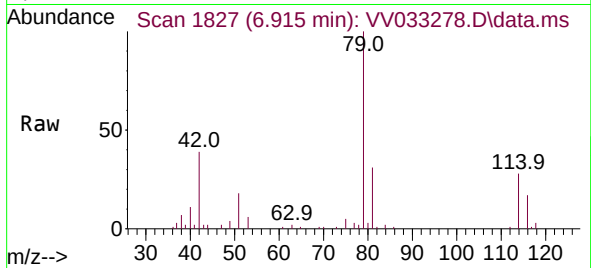
E0Y50

Tgt Ion: 75 Resp: 1471

Ion Ratio Lower Upper

75 100

77 47.5 22.1 41.1#



#42

Toluene

Concen: 2.620 ug/L

RT: 7.316 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV033278.D

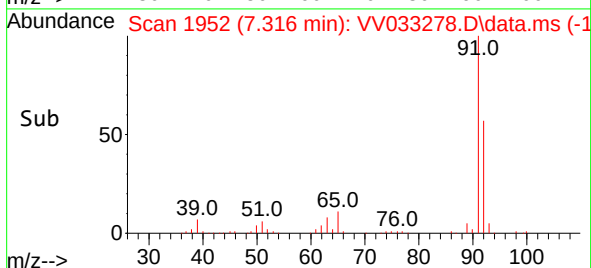
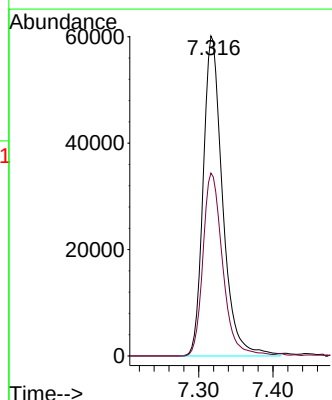
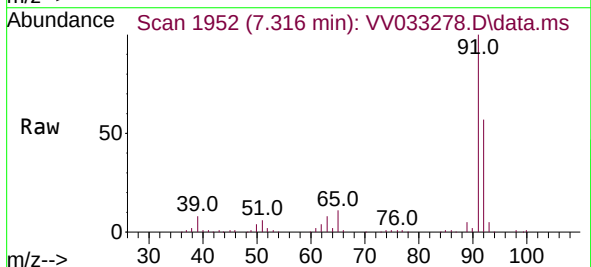
Acq: 13 Dec 2023 15:59

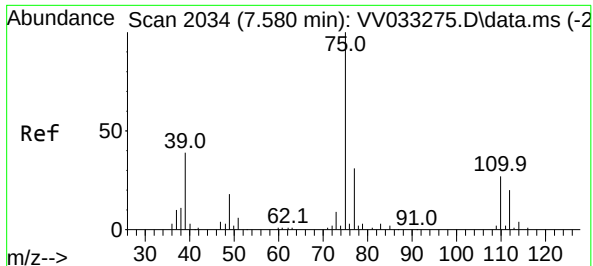
Tgt Ion: 91 Resp: 108961

Ion Ratio Lower Upper

91 100

92 57.1 40.2 74.6

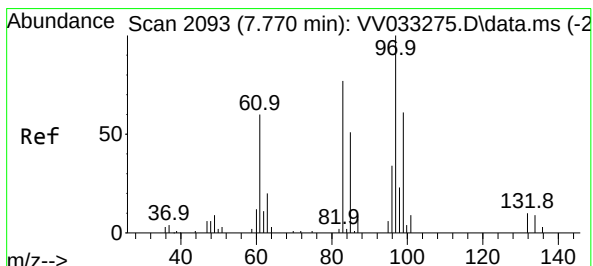
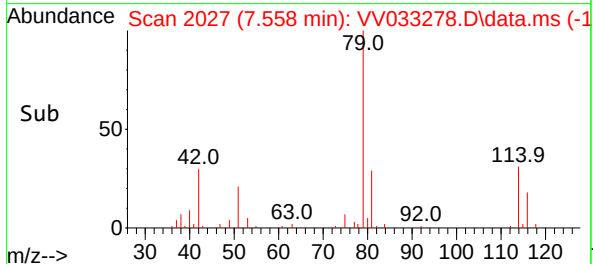
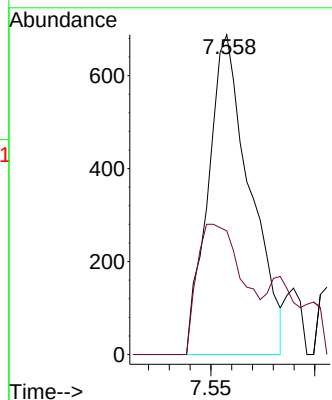
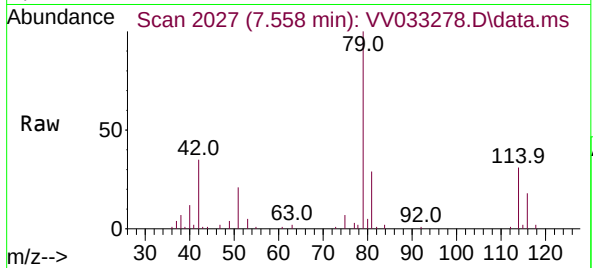




#44
trans-1,3-Dichloropropene
Concen: 0.097 ug/L
RT: 7.558 min Scan# 2034
Delta R.T. -0.023 min
Lab File: VV033278.D
Acq: 13 Dec 2023 15:59

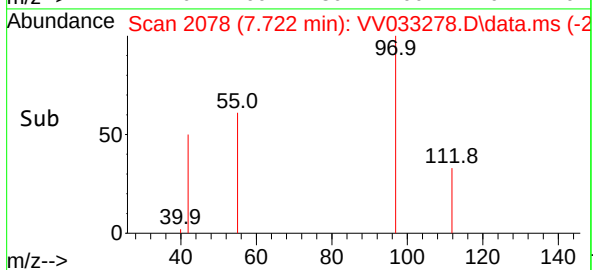
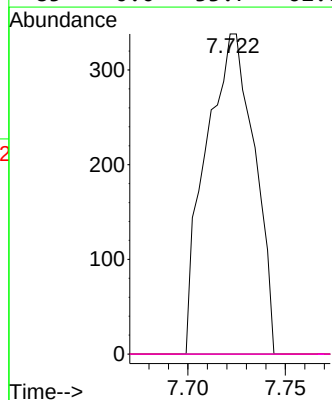
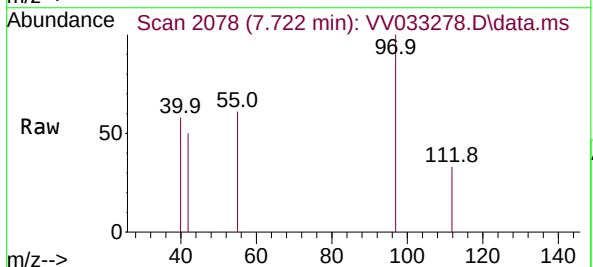
Instrument :
MSVOA_V
ClientSampleId :
E0Y50

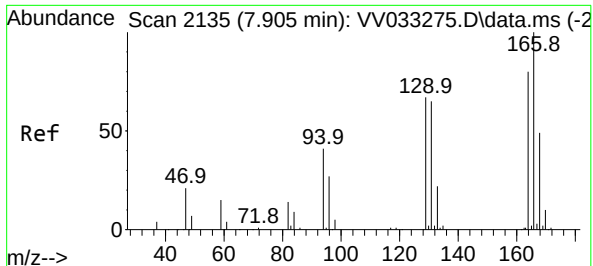
Tgt Ion: 75 Resp: 962
Ion Ratio Lower Upper
75 100
77 38.7 21.7 40.3



#45
1,1,2-Trichloroethane
Concen: 0.104 ug/L
RT: 7.722 min Scan# 2078
Delta R.T. -0.048 min
Lab File: VV033278.D
Acq: 13 Dec 2023 15:59

Tgt Ion: 97 Resp: 585
Ion Ratio Lower Upper
97 100
99 0.0 44.5 82.7#
83 0.0 54.7 101.5#
85 0.0 33.7 62.7#





#47

Tetrachloroethene

Concen: 0.124 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.010 min

Lab File: VV033278.D

Acq: 13 Dec 2023 15:59

Instrument :

MSVOA_V

ClientSampleId :

E0Y50

Tgt Ion:164 Resp: 1248

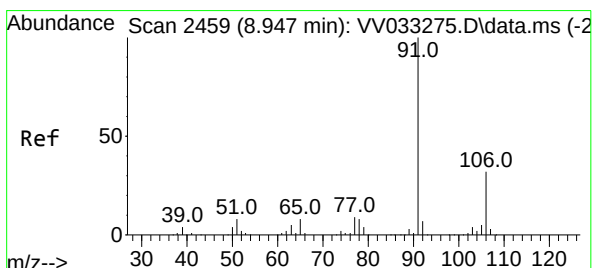
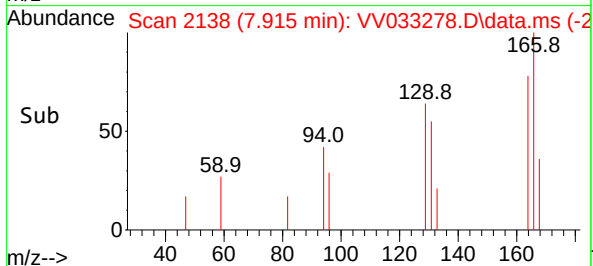
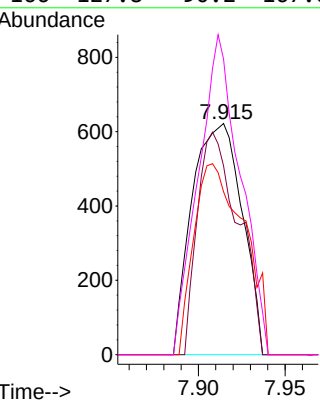
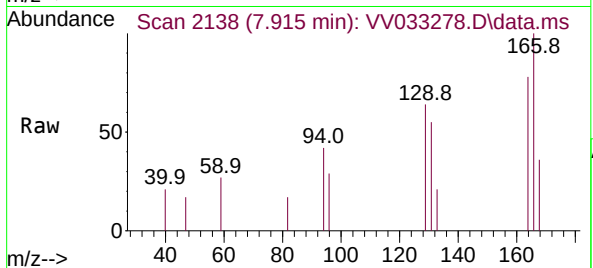
Ion Ratio Lower Upper

164 100

129 81.7 62.6 116.3

131 70.4 62.6 116.3

166 127.8 90.2 167.6



#52

Ethylbenzene

Concen: 0.699 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.003 min

Lab File: VV033278.D

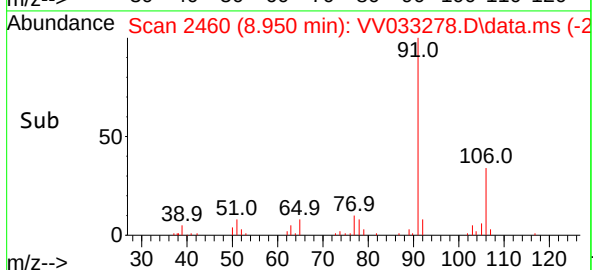
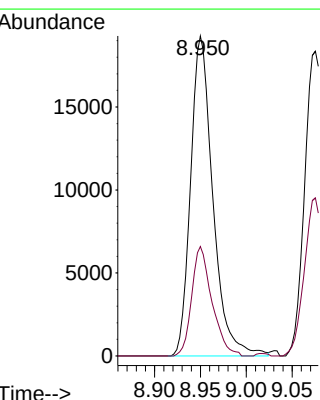
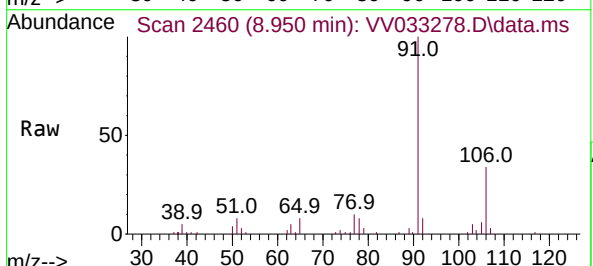
Acq: 13 Dec 2023 15:59

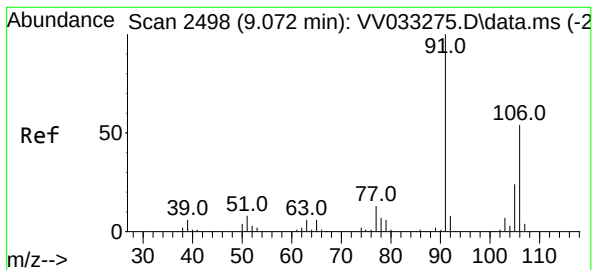
Tgt Ion: 91 Resp: 32566

Ion Ratio Lower Upper

91 100

106 34.2 22.7 42.3

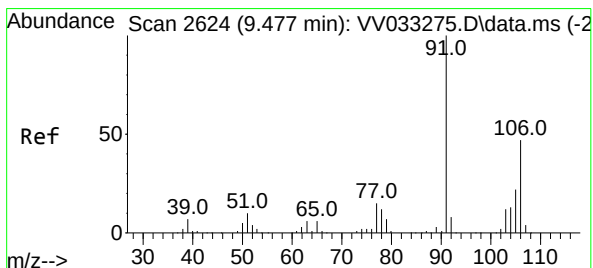
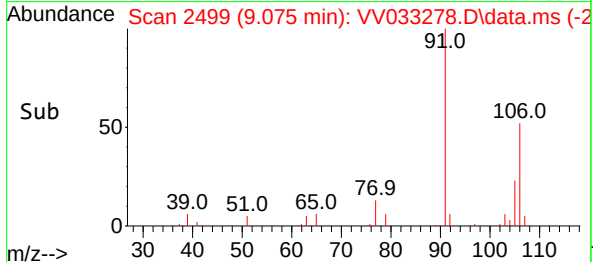
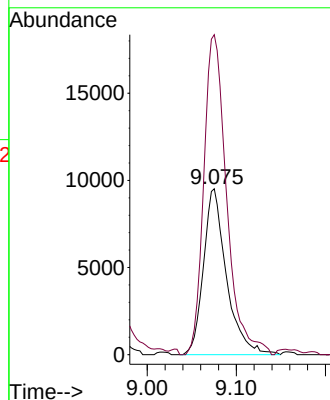
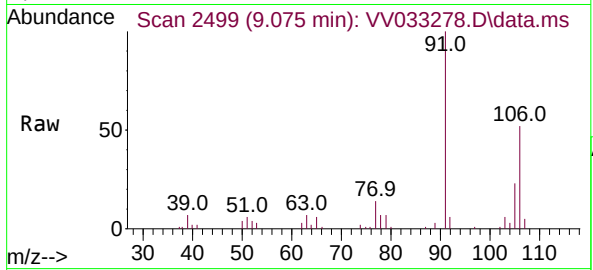




#53
m,p-Xylene
Concen: 0.890 ug/L
RT: 9.075 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV033278.D
Acq: 13 Dec 2023 15:59

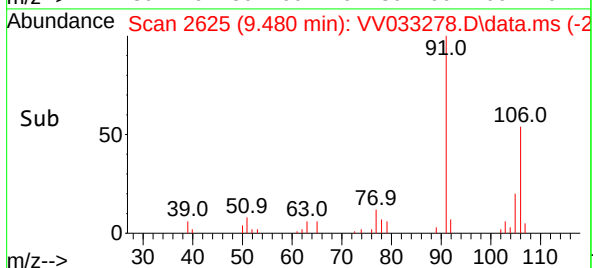
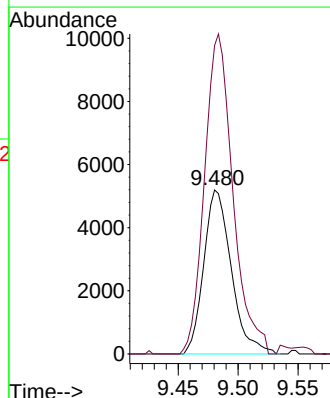
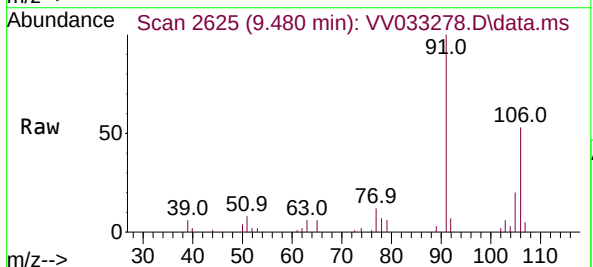
Instrument :
MSVOA_V
ClientSampleId :
E0Y50

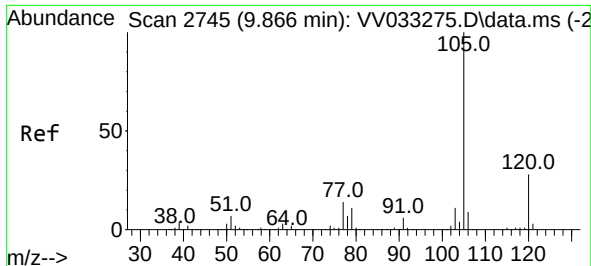
Tgt Ion:106 Resp: 17069
Ion Ratio Lower Upper
106 100
91 192.9 136.8 254.0



#54
o-Xylene
Concen: 0.457 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV033278.D
Acq: 13 Dec 2023 15:59

Tgt Ion:106 Resp: 8308
Ion Ratio Lower Upper
106 100
91 188.2 149.9 278.5

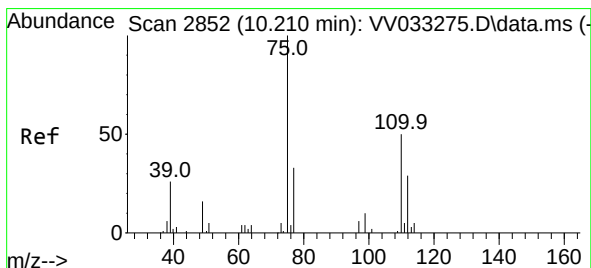
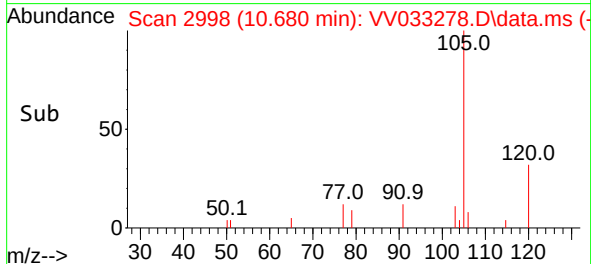
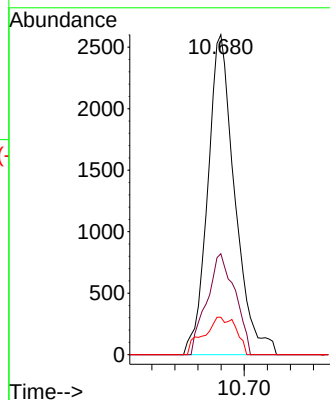
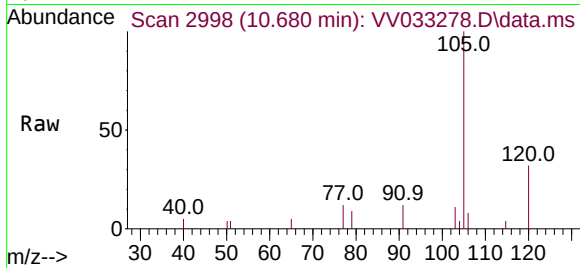




#60
Isopropylbenzene
Concen: 0.093 ug/L
RT: 10.680 min Scan# 2998
Delta R.T. 0.813 min
Lab File: VV033278.D
Acq: 13 Dec 2023 15:59

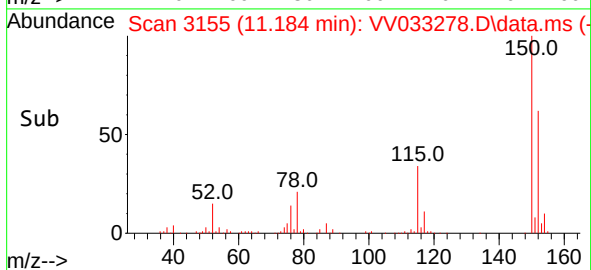
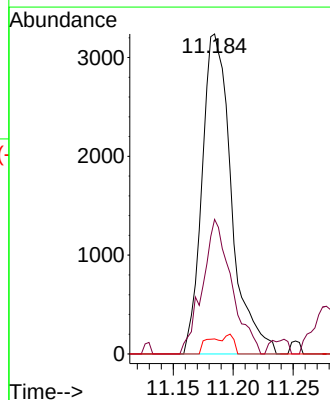
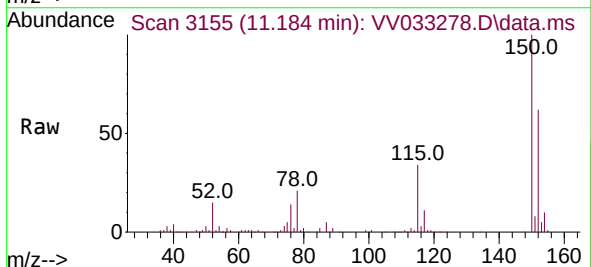
Instrument :
MSVOA_V
ClientSampleId :
E0Y50

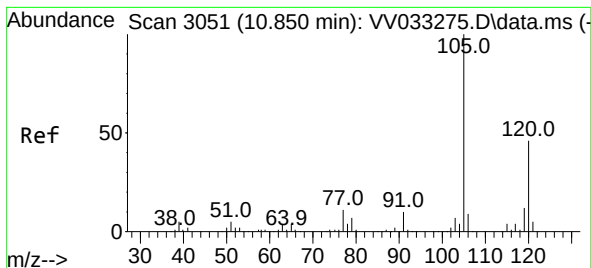
Tgt Ion:	105	Resp:	4226
Ion	Ratio	Lower	Upper
105	100		
120	32.8	22.2	33.4
77	13.9	11.6	17.4



#61
1,2,3-Trichloropropane
Concen: 1.516 ug/L
RT: 11.184 min Scan# 3155
Delta R.T. 0.974 min
Lab File: VV033278.D
Acq: 13 Dec 2023 15:59

Tgt Ion:	75	Resp:	5509
Ion	Ratio	Lower	Upper
75	100		
77	41.9	27.4	41.2#
110	3.0	39.4	59.2#





#63

1,2,4-Trimethylbenzene

Concen: 0.235 ug/L

RT: 10.853 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV033278.D

Acq: 13 Dec 2023 15:59

Instrument :

MSVOA_V

ClientSampleId :

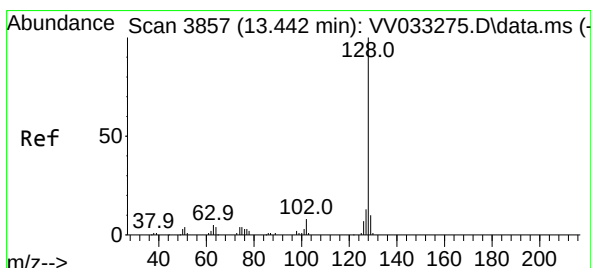
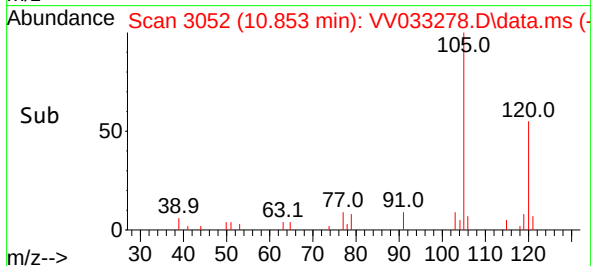
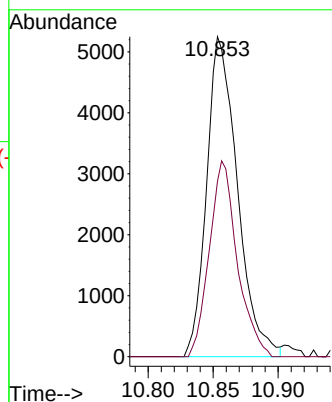
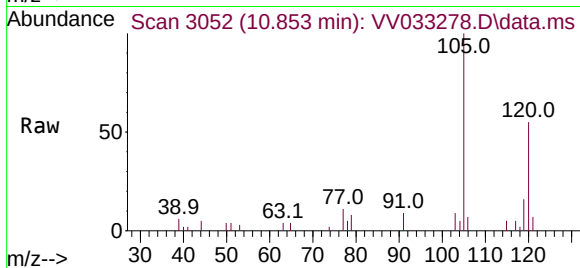
E0Y50

Tgt Ion:105 Resp: 8637

Ion Ratio Lower Upper

105 100

120 55.6 38.1 57.1



#71

Naphthalene

Concen: 0.162 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.006 min

Lab File: VV033278.D

Acq: 13 Dec 2023 15:59

Tgt Ion:128 Resp: 2674

Ion Ratio Lower Upper

128 100

129 9.0 8.8 13.2

127 10.3 10.1 15.1

