

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033316.D
 Acq On : 14 Dec 2023 07:31
 Operator : SY/MD
 Sample : 05770-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EOY88

Quant Time: Dec 14 08:14:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 14 01:07:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.561	114	118233	5.000	ug/L	0.03
28) Chlorobenzene-d5	8.802	117	117620	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.191	152	61776	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	36631	4.833	ug/L	0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.600%
7) Chloroethane-d5	1.564	69	29280	5.194	ug/L	0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.800%
11) 1,1-Dichloroethene-d2	2.082	65	16435	5.448	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.000%
20) 2-Butanone-d5	3.941	46	13525	15.079	ug/L	0.14
Spiked Amount	50.000	Range	40 - 130	Recovery	=	30.160%#
24) Chloroform-d	4.298	84	80476	5.091	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.800%
26) 1,2-Dichloroethane-d4	4.976	65	44044	6.411	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	128.200%
32) Benzene-d6	4.979	84	162518	5.341	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.800%
36) 1,2-Dichloropropane-d6	6.053	67	36152	5.220	ug/L	0.06
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.400%
41) Toluene-d8	7.278	98	142777	4.816	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	7.584	79	14109	4.466	ug/L	0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.063	63	43835	49.698	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.400%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	23158	4.944	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	58706	5.395	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.314	62	10409	1.220	ug/L	96
8) Chloroethane	1.314	64	3751	0.762	ug/L #	75
14) Carbon disulfide	2.265	76	6886	0.312	ug/L #	93
22) cis-1,2-Dichloroethene	3.863	96	20943	2.473	ug/L	95
30) Cyclohexane	4.600	56	2738	0.263	ug/L #	14
33) Benzene	5.031	78	9214	0.292	ug/L	100
34) Trichloroethene	5.870	95	7567	0.823	ug/L	90
35) Methylcyclohexane	6.098	83	4558	0.335	ug/L	92
37) 1,2-Dichloropropane	6.053	63	5137	0.810	ug/L #	81
39) cis-1,3-Dichloropropene	6.953	75	1153	0.112	ug/L #	1
42) Toluene	7.352	91	48306	1.338	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	809	0.094	ug/L	97
45) 1,1,2-Trichloroethane	7.748	97	1009	0.207	ug/L #	18
48) 2-Hexanone	8.066	43	4644	2.873	ug/L #	62
51) Chlorobenzene	8.834	112	7903	0.320	ug/L	98
52) Ethylbenzene	8.963	91	8182	0.202	ug/L	98
53) m,p-Xylene	9.085	106	5631	0.338	ug/L	83
54) o-Xylene	9.490	106	2127	0.135	ug/L	96
60) Isopropylbenzene	10.680	105	2813	0.069	ug/L	93

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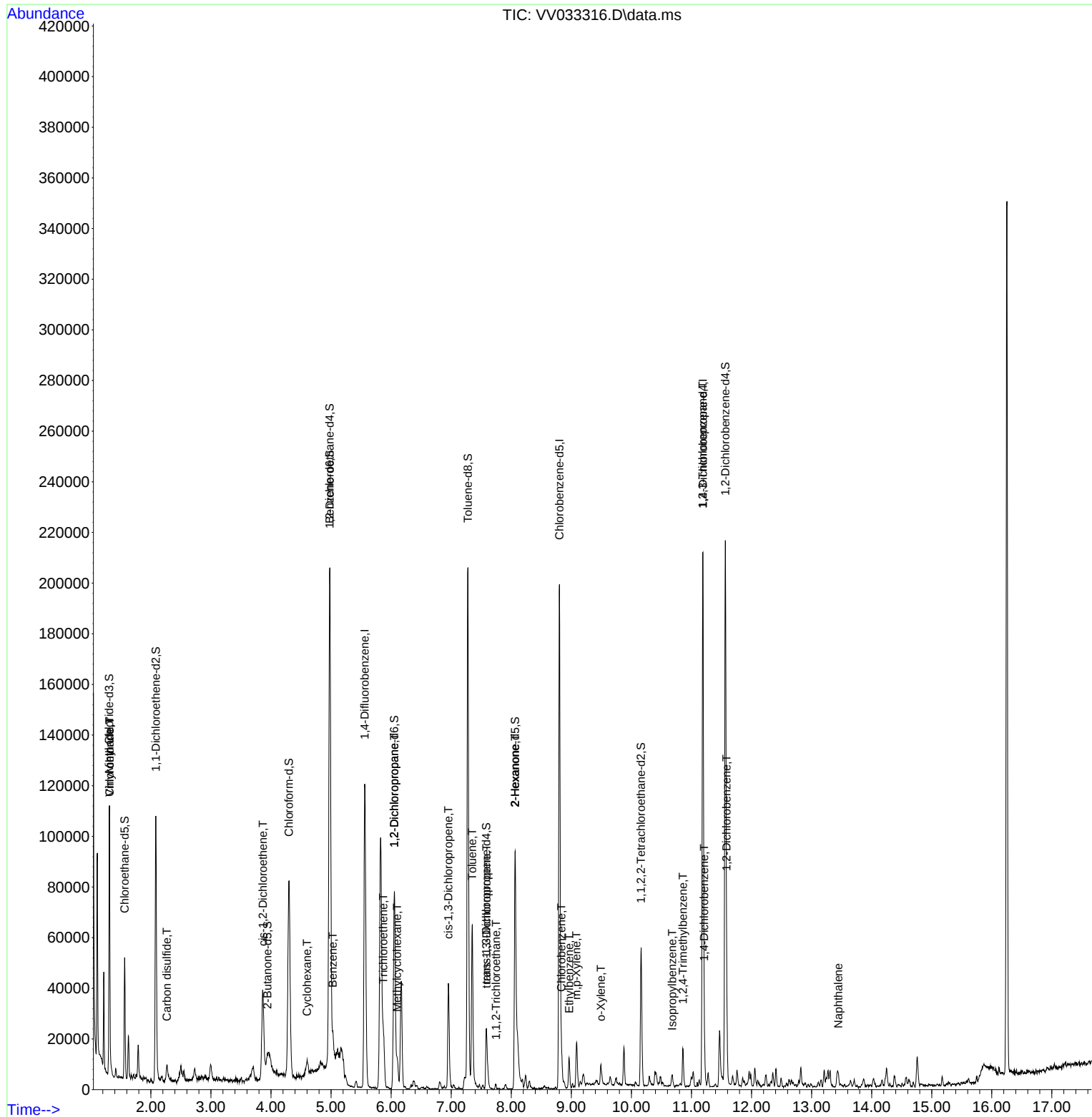
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.188	75	6448	1.969	ug/L #	55
63) 1,2,4-Trimethylbenzene	10.857	105	8710	0.263	ug/L	94
65) 1,4-Dichlorobenzene	11.214	146	5804	0.280	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	11442	0.639	ug/L	97
71) Naphthalene	13.445	128	5456	0.368	ug/L #	89

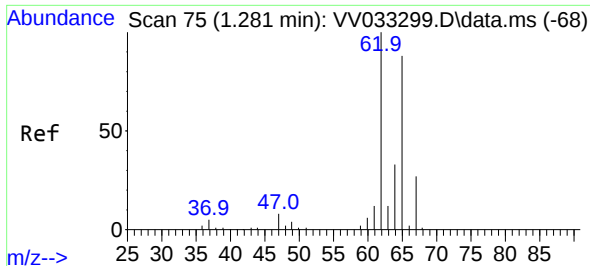
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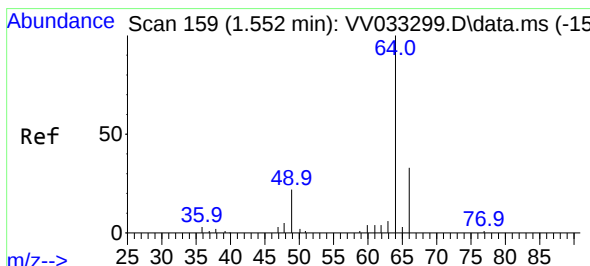
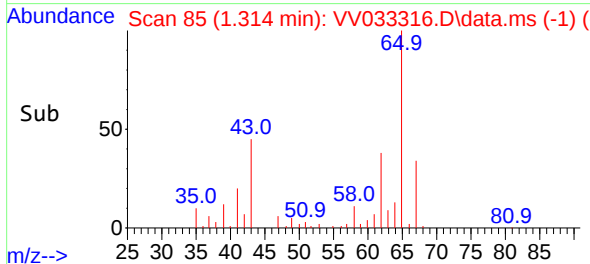
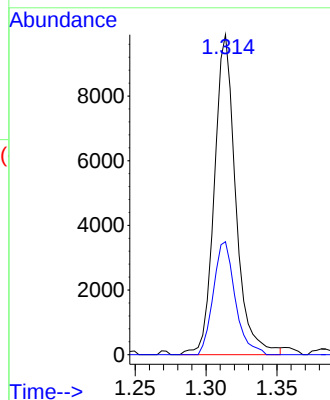
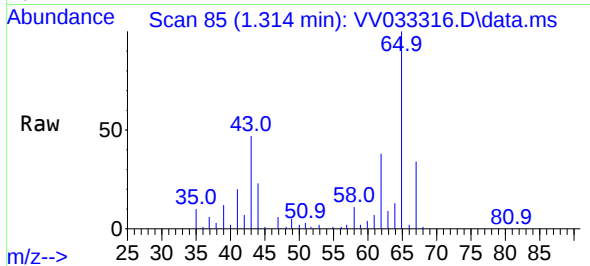




#5
 Vinyl chloride
 Concen: 1.220 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. 0.032 min
 Lab File: VV033316.D
 Acq: 14 Dec 2023 07:31

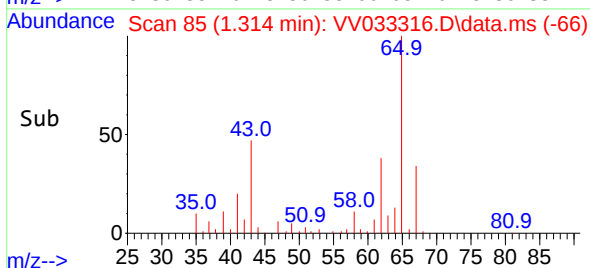
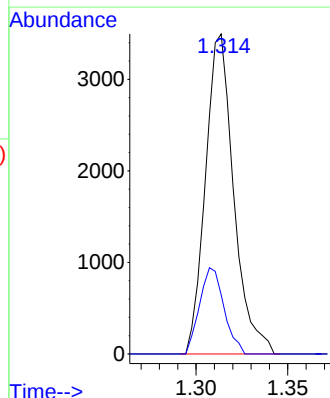
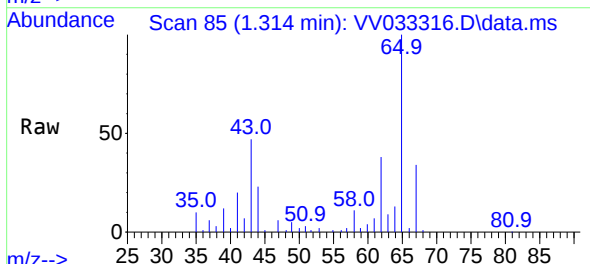
Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y88

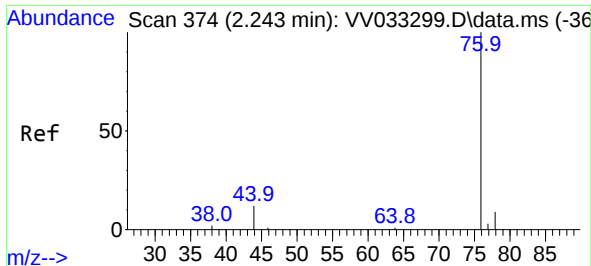
Tgt Ion: 62 Resp: 10409
 Ion Ratio Lower Upper
 62 100
 64 35.3 23.0 42.8



#8
 Chloroethane
 Concen: 0.762 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. -0.238 min
 Lab File: VV033316.D
 Acq: 14 Dec 2023 07:31

Tgt Ion: 64 Resp: 3751
 Ion Ratio Lower Upper
 64 100
 66 18.5 22.9 42.5#

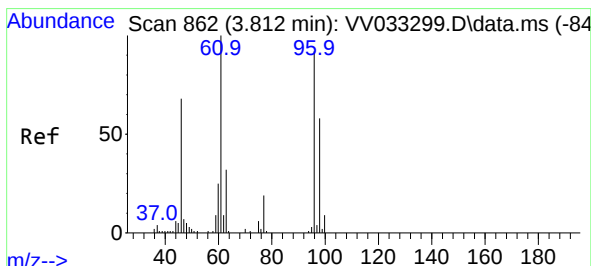
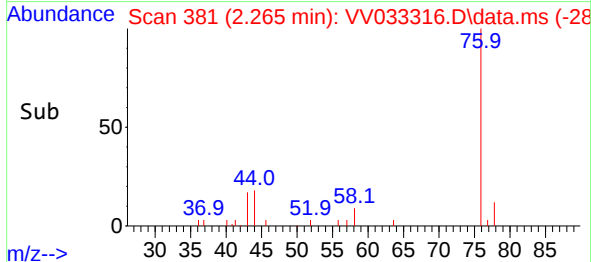
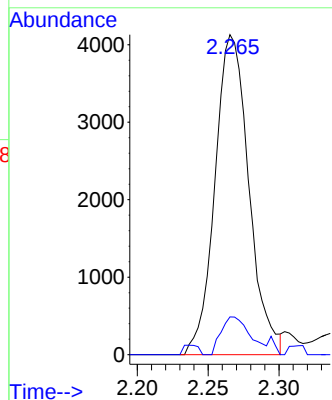
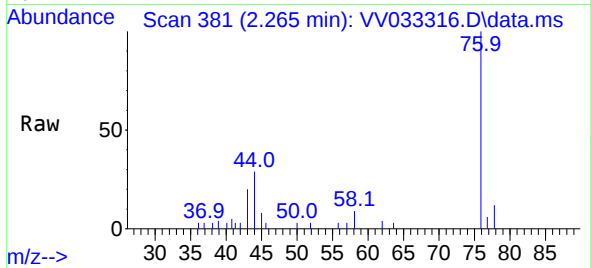




#14
Carbon disulfide
Concen: 0.312 ug/L
RT: 2.265 min Scan# 31
Delta R.T. 0.023 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

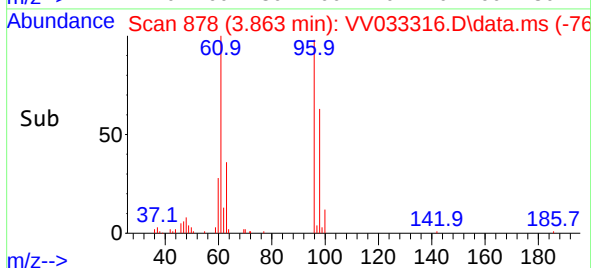
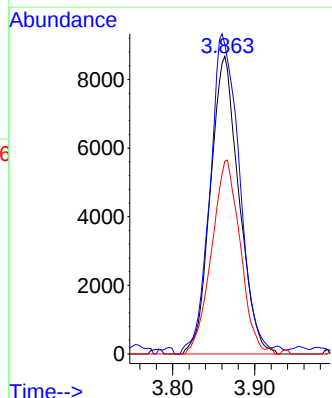
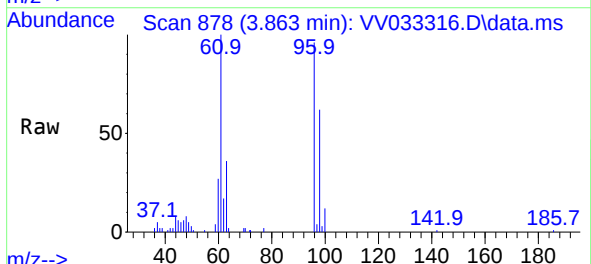
Instrument :
MSVOA_V
ClientSampleId :
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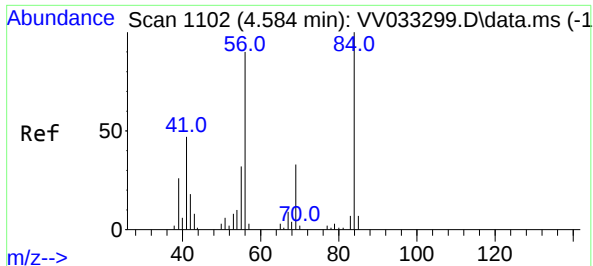
Tgt Ion: 76 Resp: 6886
Ion Ratio Lower Upper
76 100
78 11.8 7.4 11.0#



#22
cis-1,2-Dichloroethene
Concen: 2.473 ug/L
RT: 3.863 min Scan# 878
Delta R.T. 0.052 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

Tgt Ion: 96 Resp: 20943
Ion Ratio Lower Upper
96 100
61 104.0 69.9 129.9
98 64.8 42.4 78.8

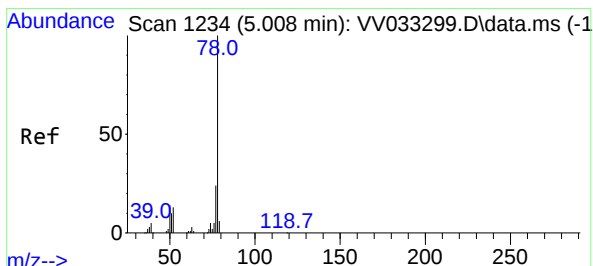
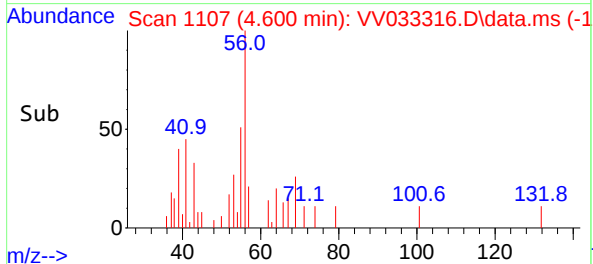
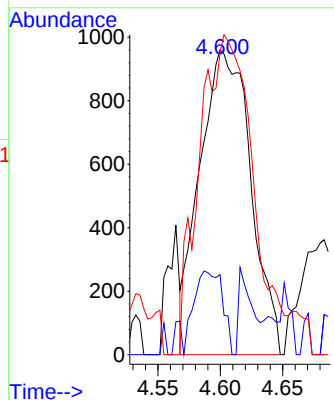
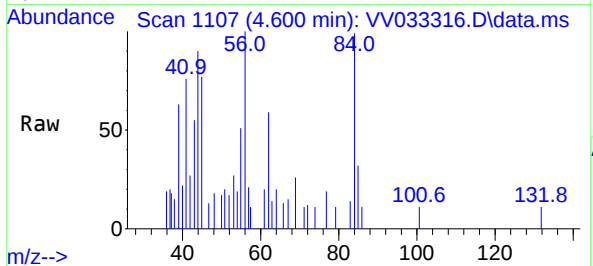




#30
Cyclohexane
Concen: 0.263 ug/L
RT: 4.600 min Scan# 1102
Delta R.T. 0.016 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

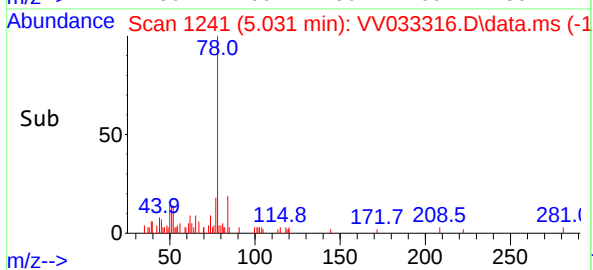
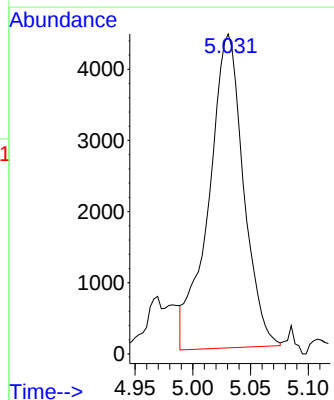
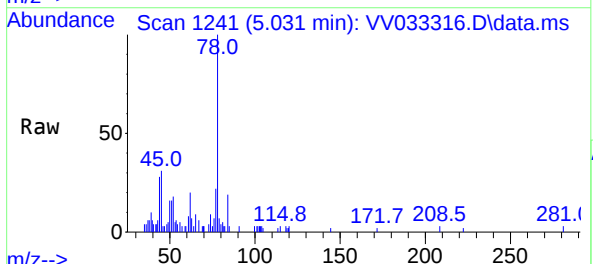
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ClientSampleId :
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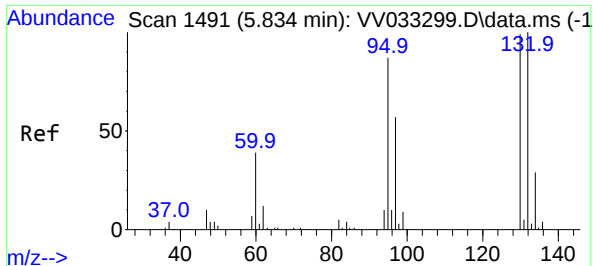
Tgt Ion: 56 Resp: 2738
Ion Ratio Lower Upper
56 100
69 15.4 28.8 43.2#
84 0.0 86.2 129.4#



#33
Benzene
Concen: 0.292 ug/L
RT: 5.031 min Scan# 1241
Delta R.T. 0.023 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

Tgt Ion: 78 Resp: 9214





#34

Trichloroethene

Concen: 0.823 ug/L

RT: 5.870 min Scan# 11

Delta R.T. 0.035 min

Lab File: VV033316.D

Acq: 14 Dec 2023 07:31

Instrument :

MSVOA_V

ClientSampleId :

E0Y88

Tgt Ion: 95 Resp: 7567

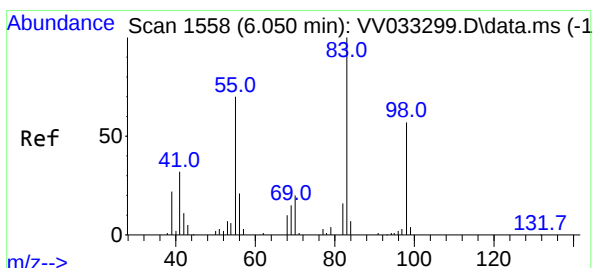
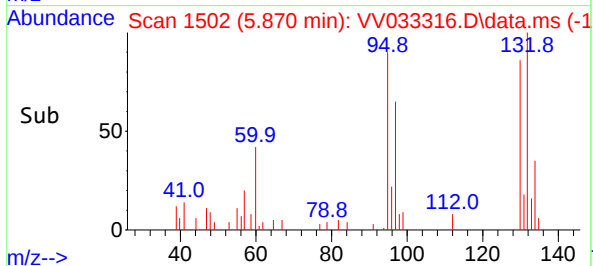
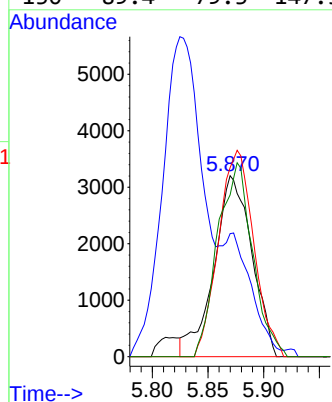
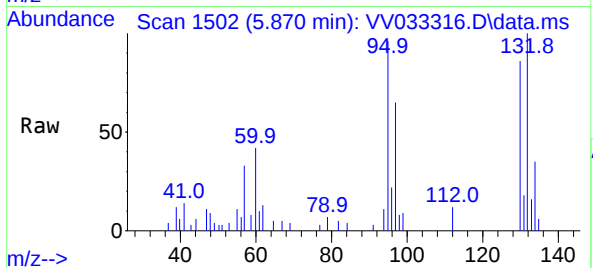
Ion Ratio Lower Upper

95 100

97 68.0 46.5 86.5

132 104.5 75.1 139.5

130 89.4 79.3 147.3



#35

Methylcyclohexane

Concen: 0.335 ug/L

RT: 6.098 min Scan# 1573

Delta R.T. 0.048 min

Lab File: VV033316.D

Acq: 14 Dec 2023 07:31

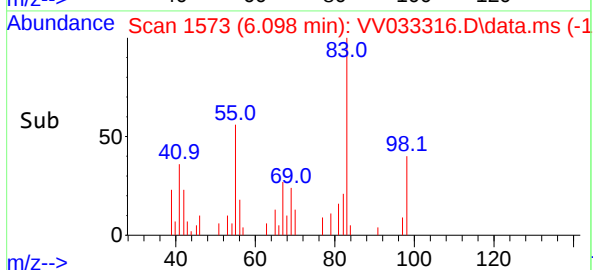
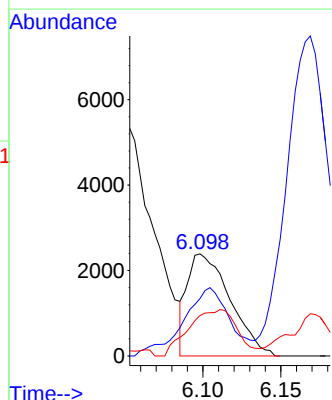
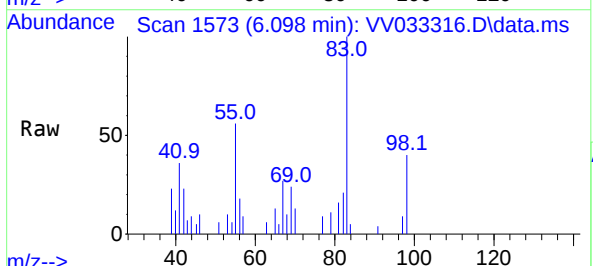
Tgt Ion: 83 Resp: 4558

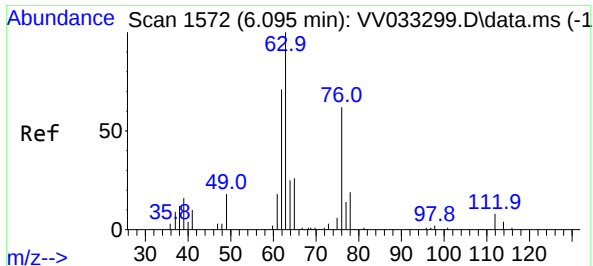
Ion Ratio Lower Upper

83 100

55 73.7 50.7 76.1

98 51.9 42.4 63.6

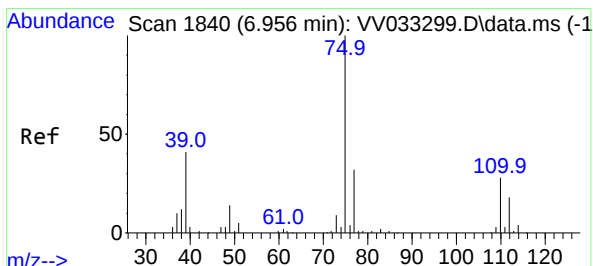
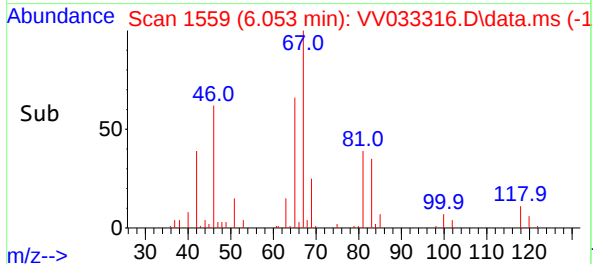
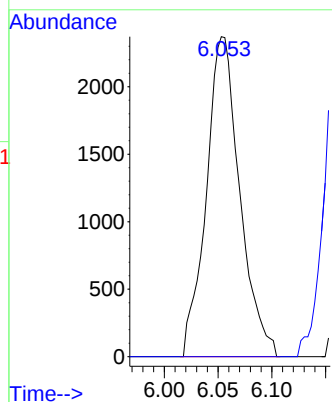
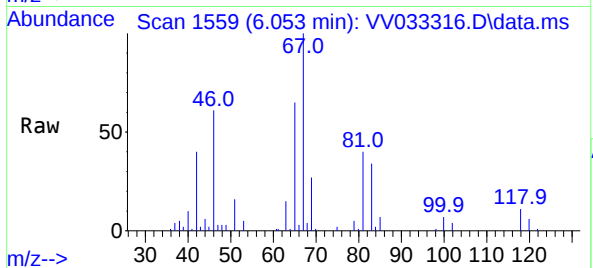




#37
1,2-Dichloropropane
Concen: 0.810 ug/L
RT: 6.053 min Scan# 11
Delta R.T. -0.042 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

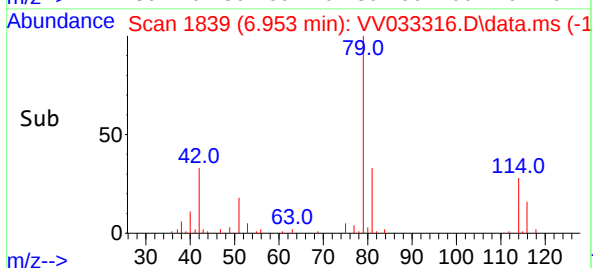
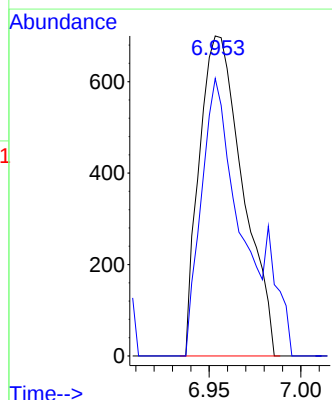
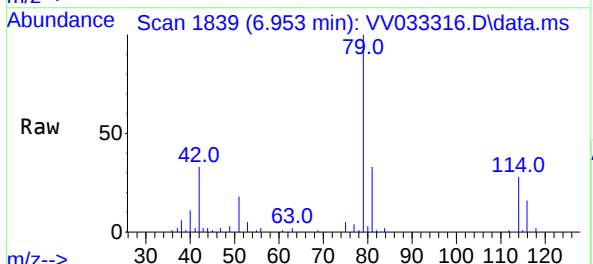
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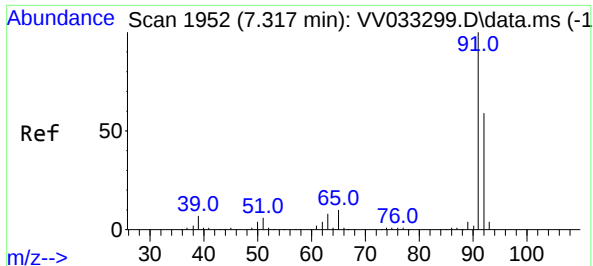
Tgt Ion: 63 Resp: 5137
Ion Ratio Lower Upper
63 100
112 0.0 5.0 7.6#



#39
cis-1,3-Dichloropropene
Concen: 0.112 ug/L
RT: 6.953 min Scan# 1839
Delta R.T. -0.003 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

Tgt Ion: 75 Resp: 1153
Ion Ratio Lower Upper
75 100
77 86.7 22.1 41.1#





#42

Toluene

Concen: 1.338 ug/L

RT: 7.352 min Scan# 1952

Delta R.T. 0.035 min

Lab File: VV033316.D

Acq: 14 Dec 2023 07:31

Instrument :

MSVOA_V

ClientSampleId :

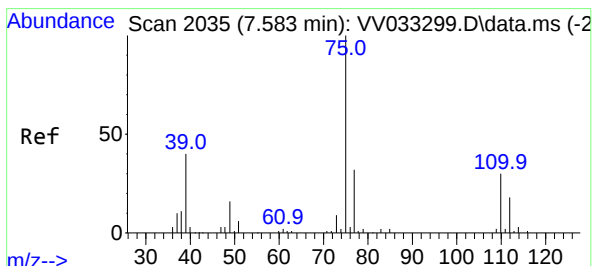
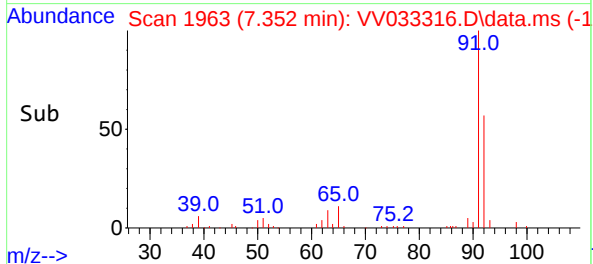
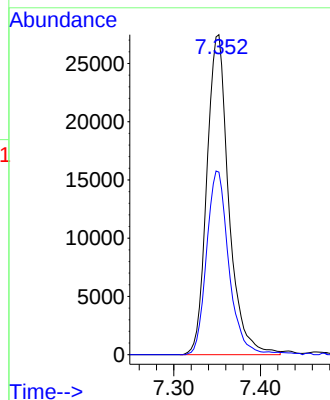
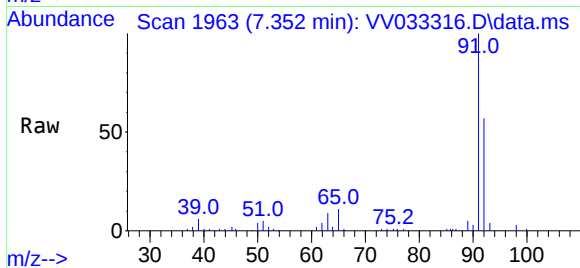
E0Y88

Tgt Ion: 91 Resp: 48306

Ion Ratio Lower Upper

91 100

92 57.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.007 min

Lab File: VV033316.D

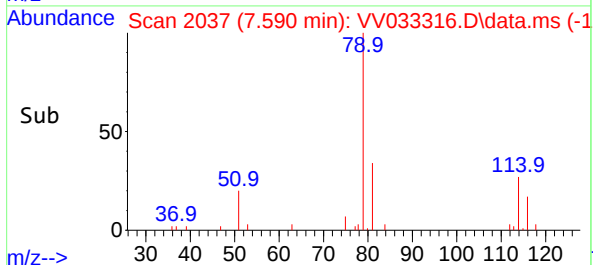
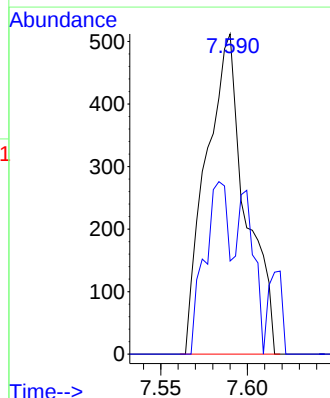
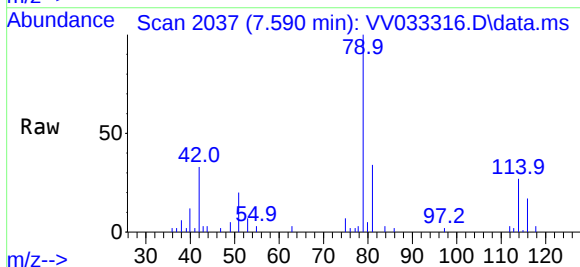
Acq: 14 Dec 2023 07:31

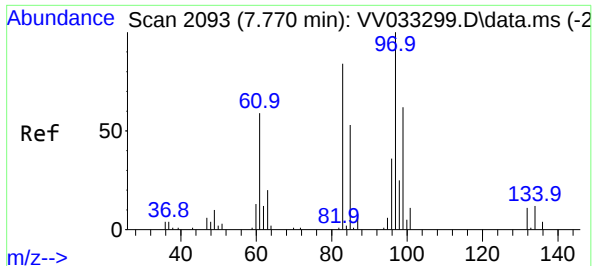
Tgt Ion: 75 Resp: 809

Ion Ratio Lower Upper

75 100

77 29.1 21.7 40.3



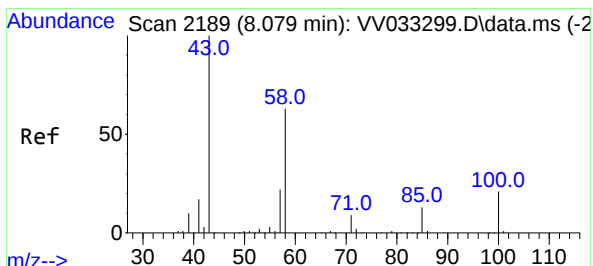
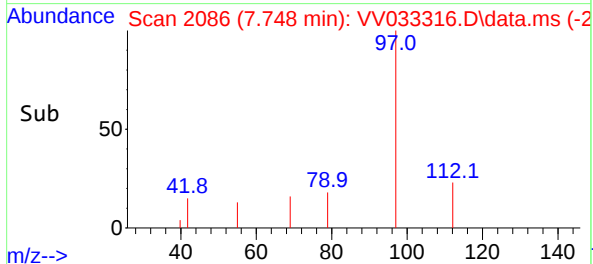
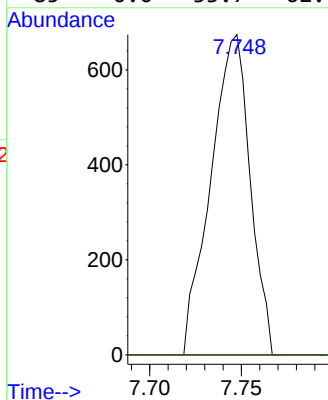
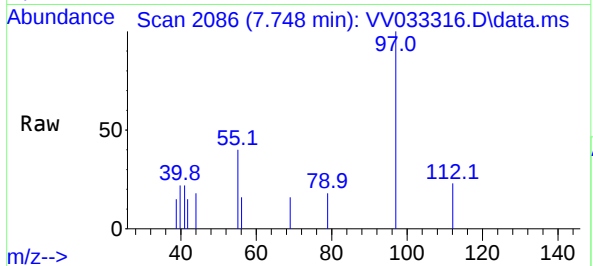


#45
1,1,2-Trichloroethane
Concen: 0.207 ug/L
RT: 7.748 min Scan# 2093
Delta R.T. -0.022 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

Instrument :
MSVOA_V
ClientSampleId :
E0Y88

Tgt Ion: 97 Resp: 1009

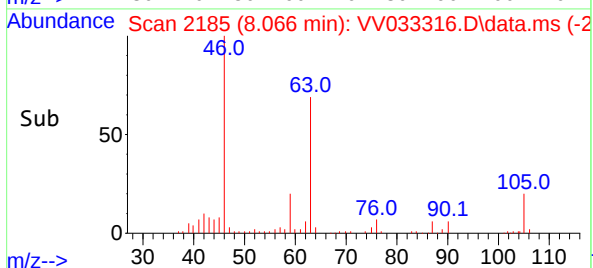
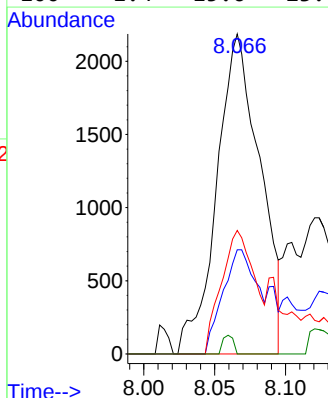
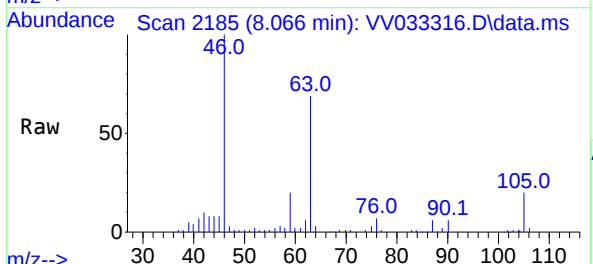
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.5	82.7#
83	0.0	54.7	101.5#
85	0.0	33.7	62.7#

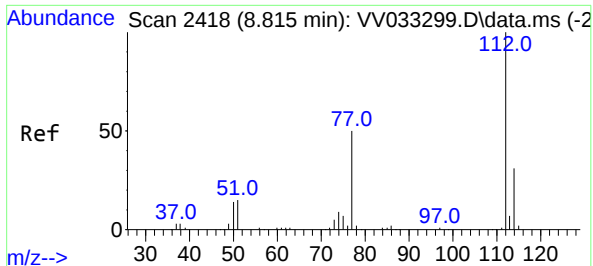


#48
2-Hexanone
Concen: 2.873 ug/L
RT: 8.066 min Scan# 2185
Delta R.T. -0.013 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

Tgt Ion: 43 Resp: 4644

Ion	Ratio	Lower	Upper
43	100		
58	25.6	48.6	72.8#
57	29.7	18.1	27.1#
100	1.4	15.6	23.4#





#51

Chlorobenzene

Concen: 0.320 ug/L

RT: 8.834 min Scan# 2418

Delta R.T. 0.019 min

Lab File: VV033316.D

Acq: 14 Dec 2023 07:31

Instrument :

MSVOA_V

ClientSampleId :

E0Y88

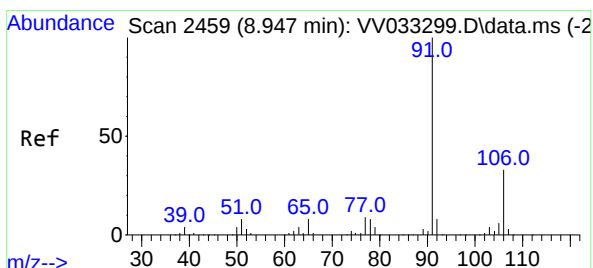
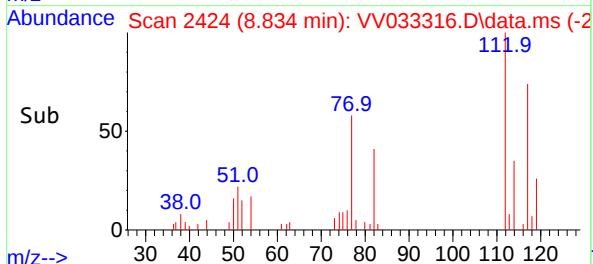
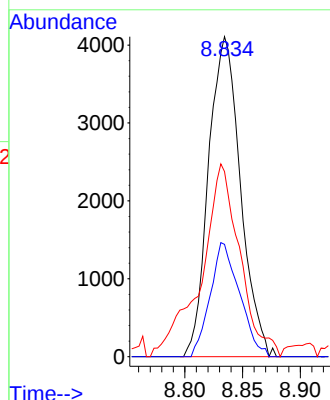
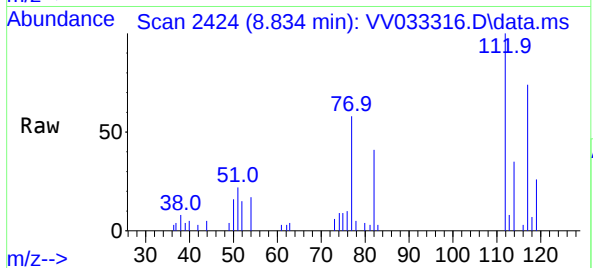
Tgt Ion:112 Resp: 7903

Ion Ratio Lower Upper

112 100

114 32.6 22.8 42.4

77 53.8 41.3 61.9



#52

Ethylbenzene

Concen: 0.202 ug/L

RT: 8.963 min Scan# 2464

Delta R.T. 0.016 min

Lab File: VV033316.D

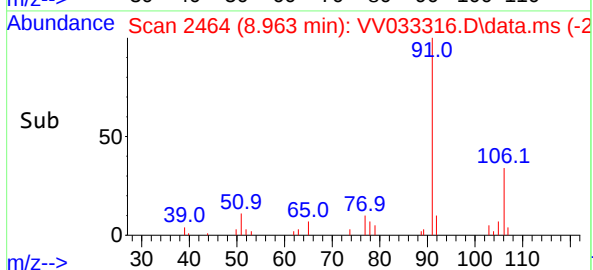
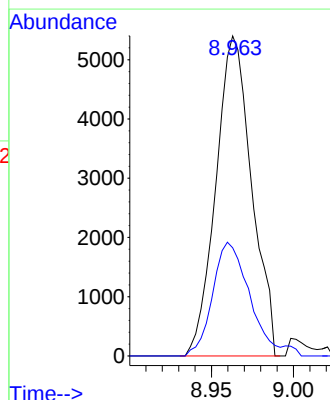
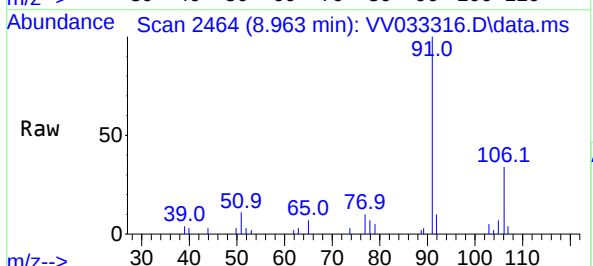
Acq: 14 Dec 2023 07:31

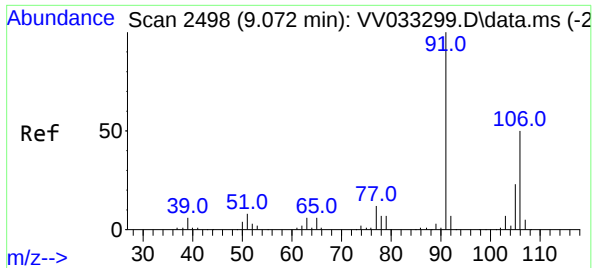
Tgt Ion: 91 Resp: 8182

Ion Ratio Lower Upper

91 100

106 33.8 22.7 42.3

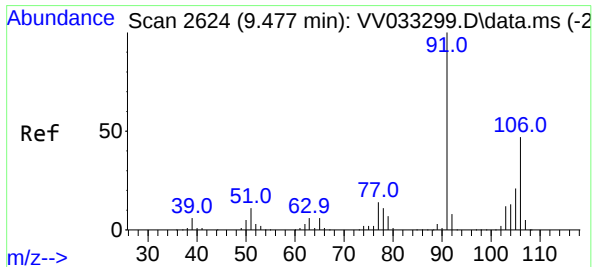
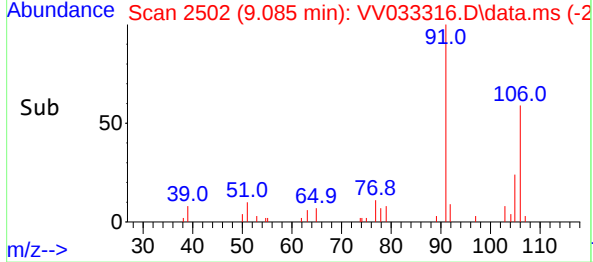
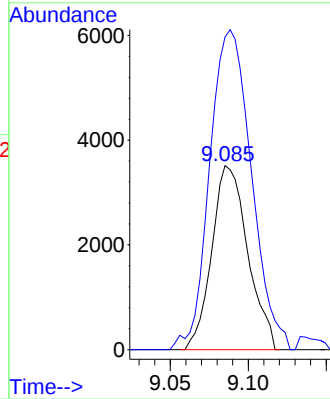
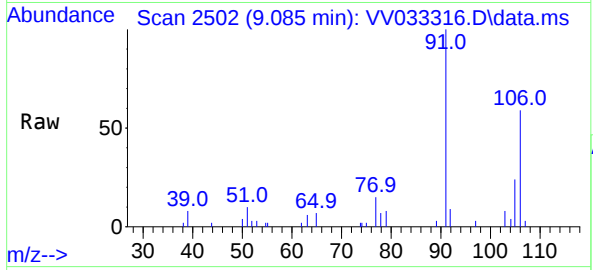




#53
m,p-Xylene
Concen: 0.338 ug/L
RT: 9.085 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

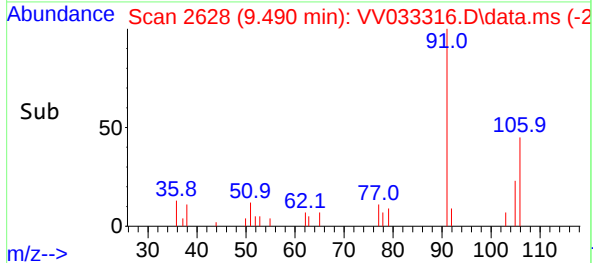
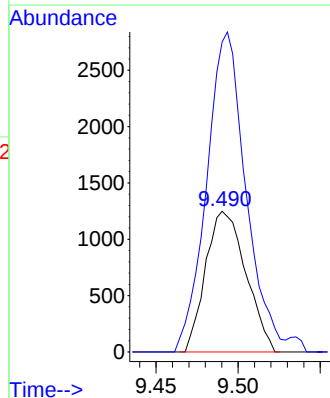
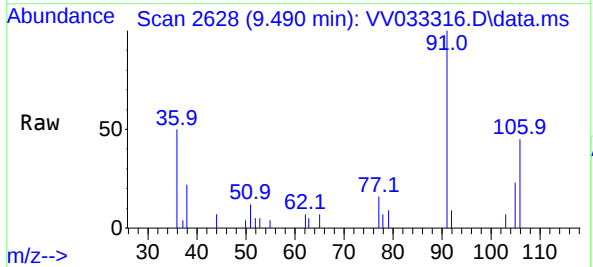
Instrument :
MSVOA_V
ClientSampleId :
E0Y88

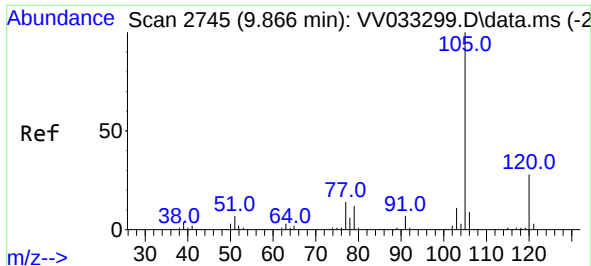
Tgt Ion:106 Resp: 5631
Ion Ratio Lower Upper
106 100
91 169.9 136.8 254.0



#54
o-Xylene
Concen: 0.135 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.013 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

Tgt Ion:106 Resp: 2127
Ion Ratio Lower Upper
106 100
91 220.3 149.9 278.5

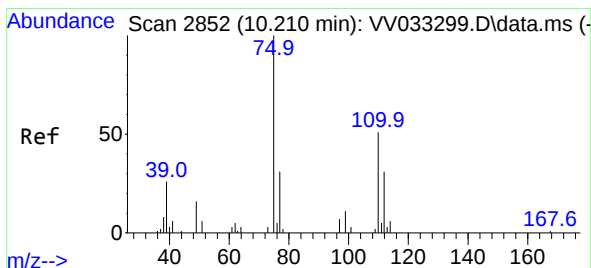
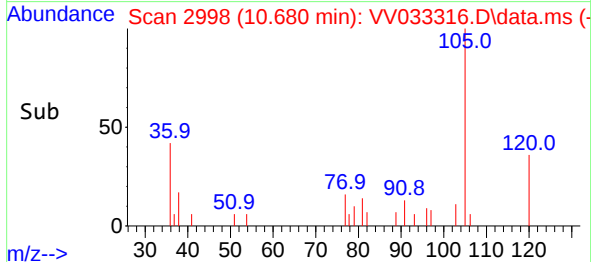
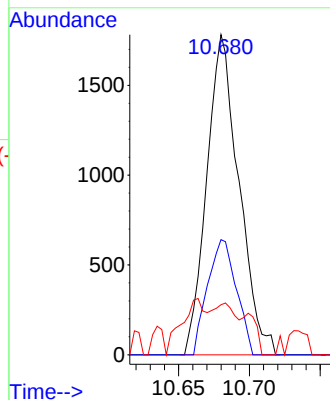
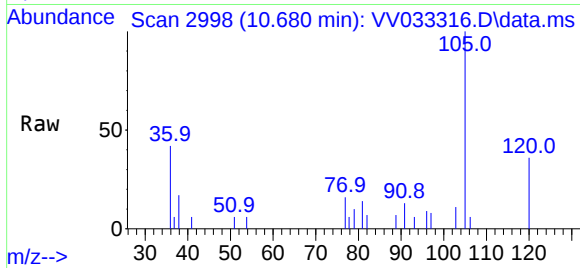




#60
Isopropylbenzene
Concen: 0.069 ug/L
RT: 10.680 min Scan# 2998
Delta R.T. 0.814 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

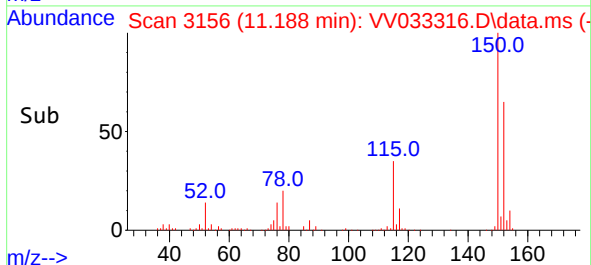
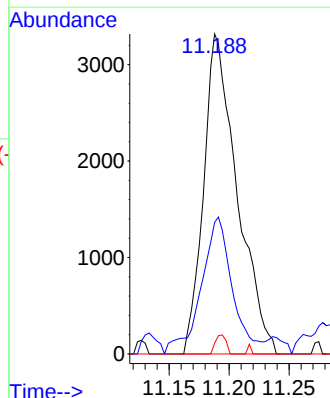
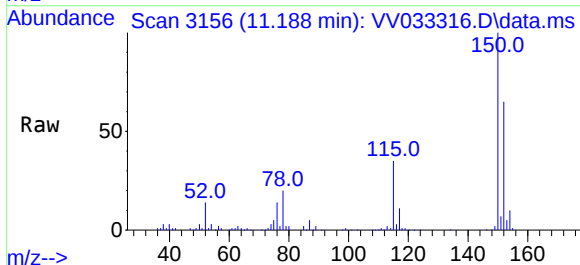
Instrument :
MSVOA_V
ClientSampleId :
E0Y88

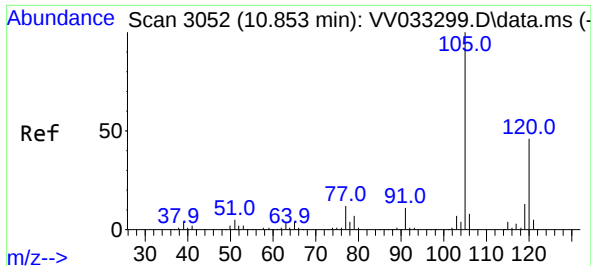
Tgt Ion:105 Resp: 2813
Ion Ratio Lower Upper
105 100
120 32.2 22.2 33.4
77 13.3 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 1.969 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.978 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

Tgt Ion: 75 Resp: 6448
Ion Ratio Lower Upper
75 100
77 39.4 27.4 41.2
110 1.9 39.4 59.2#

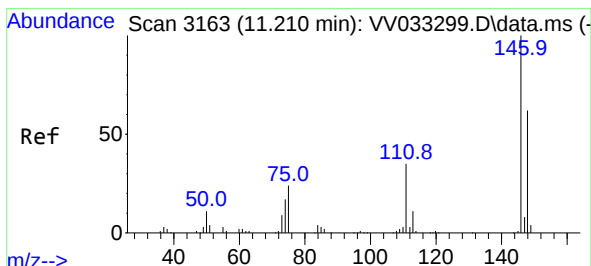
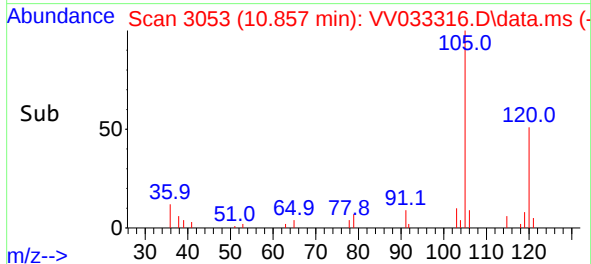
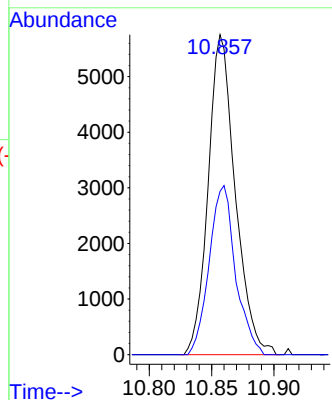
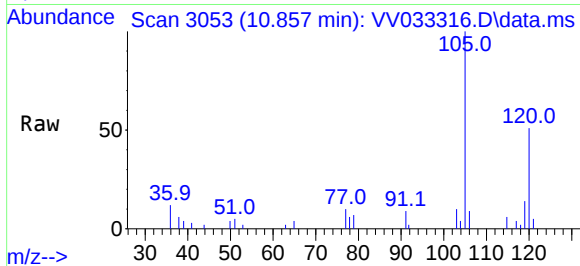




#63
1,2,4-Trimethylbenzene
Concen: 0.263 ug/L
RT: 10.857 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

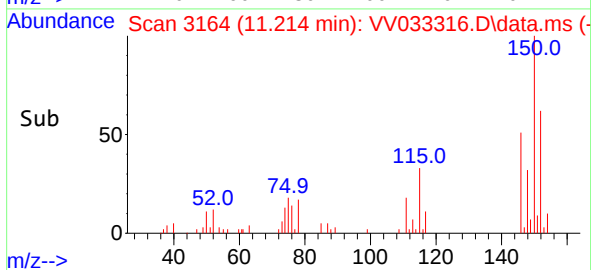
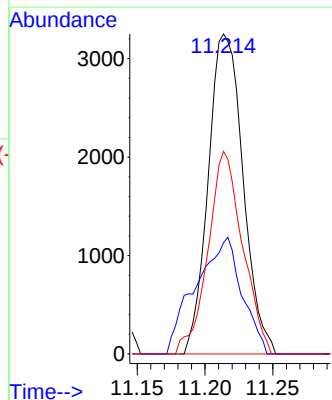
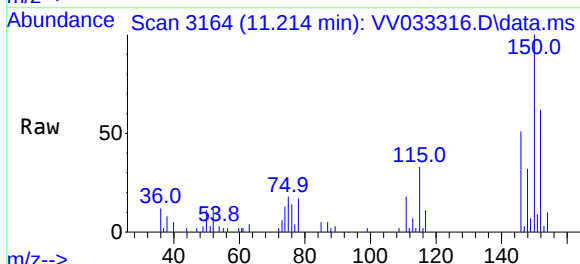
Instrument :
MSVOA_V
ClientSampleId :
E0Y88

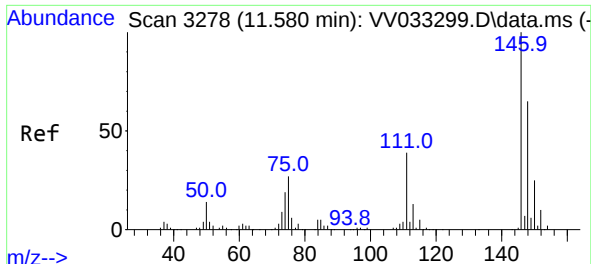
Tgt Ion:105 Resp: 8710
Ion Ratio Lower Upper
105 100
120 51.4 38.1 57.1



#65
1,4-Dichlorobenzene
Concen: 0.280 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

Tgt Ion:146 Resp: 5804
Ion Ratio Lower Upper
146 100
111 34.8 25.6 47.4
148 63.3 44.7 82.9

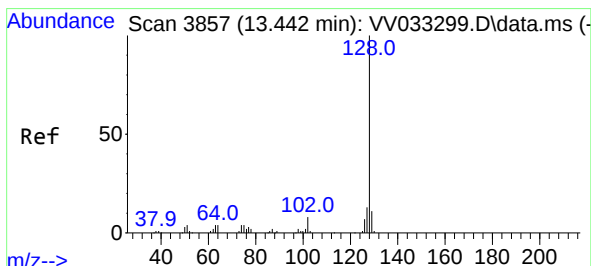
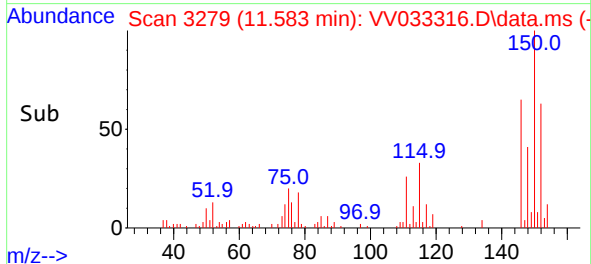
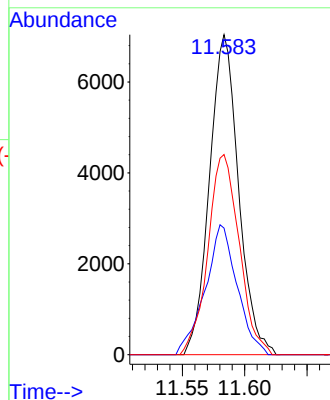
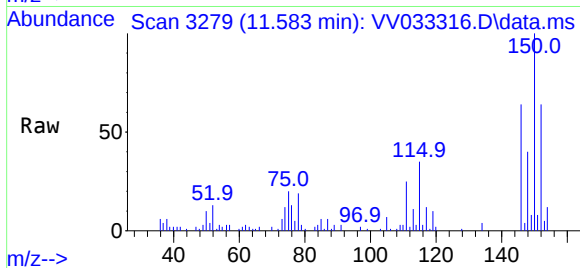




#67
1,2-Dichlorobenzene
Concen: 0.639 ug/L
RT: 11.583 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

Instrument :
MSVOA_V
ClientSampleId :
E0Y88

Tgt Ion:	146	Resp:	11442
Ion	Ratio	Lower	Upper
146	100		
111	39.6	31.0	46.4
148	62.6	52.6	79.0



#71
Naphthalene
Concen: 0.368 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.003 min
Lab File: VV033316.D
Acq: 14 Dec 2023 07:31

Tgt Ion:	128	Resp:	5456
Ion	Ratio	Lower	Upper
128	100		
129	15.3	8.8	13.2#
127	8.7	10.1	15.1#

