

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033315.D
 Acq On : 14 Dec 2023 07:07
 Operator : SY/MD
 Sample : 05770-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EOY87

Quant Time: Dec 14 07:52:19 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	5.552	114	129310	5.000	ug/L	0.02
28) Chlorobenzene-d5	8.809	117	122399	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.191	152	62072	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	38180	4.606	ug/L	0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.200%
7) Chloroethane-d5	1.571	69	29204	4.737	ug/L	0.04
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	2.095	65	16670	5.053	ug/L	0.04
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.000%
20) 2-Butanone-d5	3.950	46	17059	17.390	ug/L	0.15
Spiked Amount	50.000	Range	40 - 130	Recovery	=	34.780%#
24) Chloroform-d	4.291	84	77106	4.460	ug/L	0.04
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	4.970	65	43188	5.748	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.000%
32) Benzene-d6	4.973	84	160744	5.077	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
36) 1,2-Dichloropropane-d6	6.034	67	35808	4.968	ug/L	0.05
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.400%
41) Toluene-d8	7.291	98	145487	4.715	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	7.596	79	14854	4.518	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.400%
46) 2-Hexanone-d5	8.069	63	36145	39.380	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.760%
56) 1,1,2,2-Tetrachloroeth...	10.166	84	20495	4.205	ug/L	0.01
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.000%
66) 1,2-Dichlorobenzene-d4	11.564	152	56145	5.135	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.314	62	5270	0.565	ug/L	86
8) Chloroethane	1.314	64	2277	0.423	ug/L	96
14) Carbon disulfide	2.275	76	11806	0.490	ug/L #	92
22) cis-1,2-Dichloroethene	3.857	96	15266	1.648	ug/L	90
34) Trichloroethene	5.863	95	5738	0.600	ug/L	97
35) Methylcyclohexane	6.034	83	10534	0.744	ug/L #	22
37) 1,2-Dichloropropane	6.031	63	5184	0.786	ug/L #	1
38) Bromodichloromethane	6.507	83	1075	0.102	ug/L #	96
39) cis-1,3-Dichloropropene	6.973	75	1137	0.106	ug/L #	41
42) Toluene	7.365	91	29971	0.798	ug/L	96
44) trans-1,3-Dichloropropene	7.593	75	812	0.091	ug/L #	65
51) Chlorobenzene	8.838	112	5858	0.228	ug/L	95
52) Ethylbenzene	8.969	91	1922	0.046	ug/L	97
53) m,p-Xylene	9.098	106	1540	0.089	ug/L	92
60) Isopropylbenzene	9.879	105	9059	0.220	ug/L	98
61) 1,2,3-Trichloropropane	11.188	75	7190	2.186	ug/L #	57
63) 1,2,4-Trimethylbenzene	10.863	105	2628	0.079	ug/L	94
65) 1,4-Dichlorobenzene	11.217	146	5741	0.276	ug/L	97
67) 1,2-Dichlorobenzene	11.583	146	9762	0.543	ug/L	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 50 Sample Multiplier: 1

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 14 01:07:25 2023
Response via : Initial Calibration

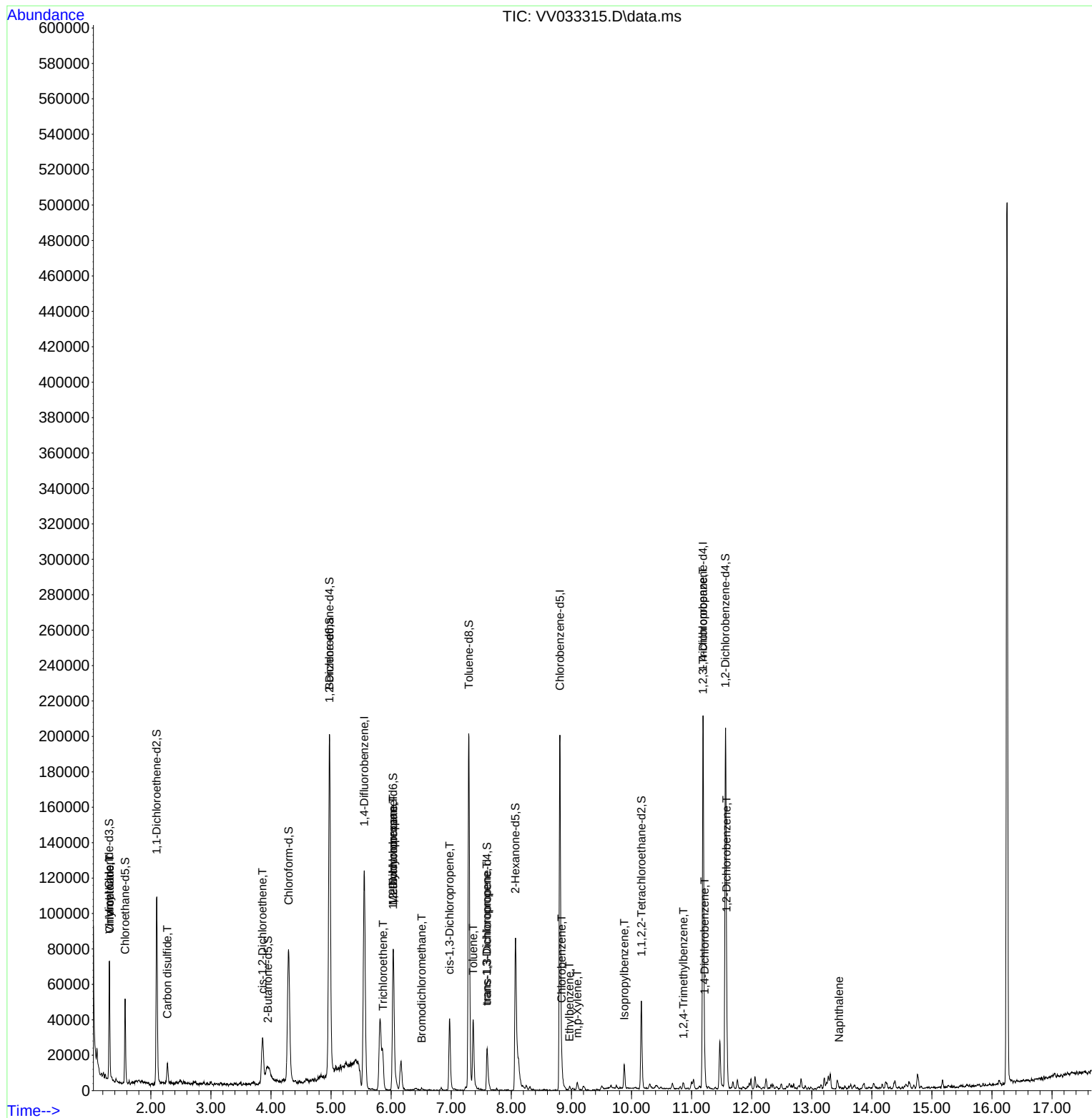
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.455	128	1898	0.127	ug/L	# 80

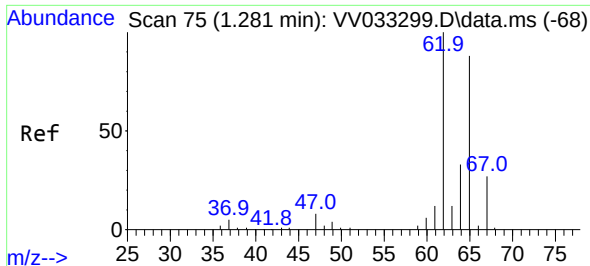
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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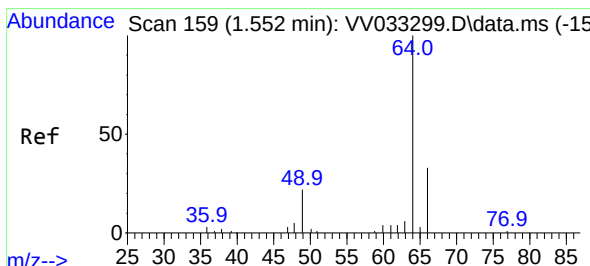
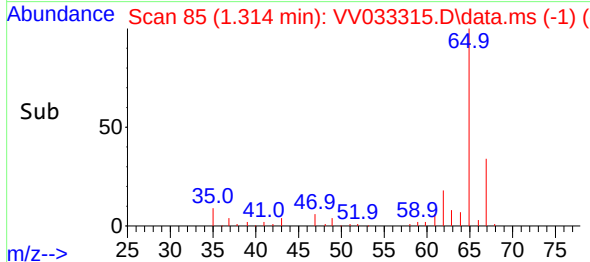
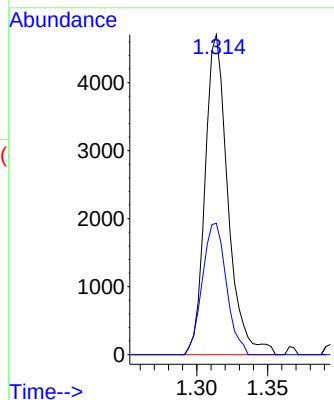
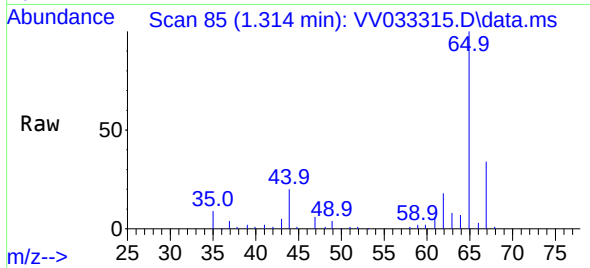




#5
 Vinyl chloride
 Concen: 0.565 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. 0.032 min
 Lab File: VV033315.D
 Acq: 14 Dec 2023 07:07

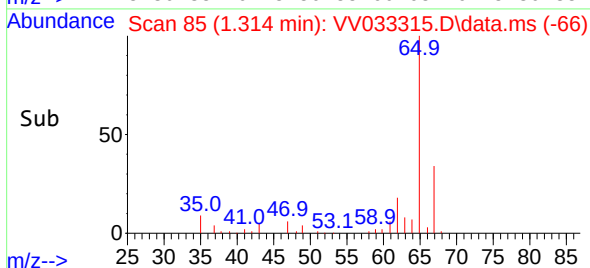
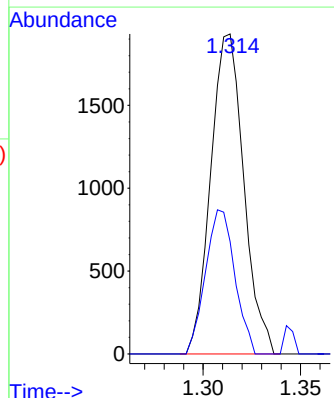
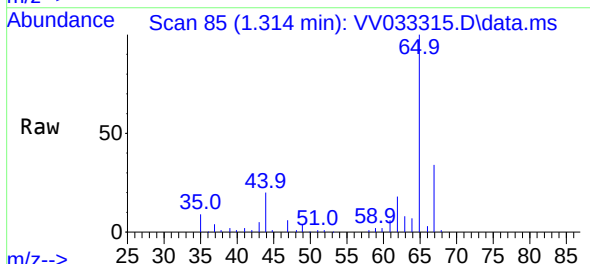
Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y87

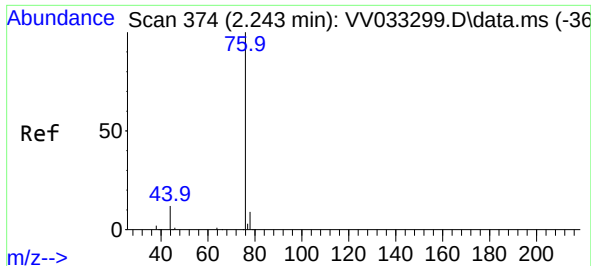
Tgt Ion: 62 Resp: 5270
 Ion Ratio Lower Upper
 62 100
 64 41.0 23.0 42.8



#8
 Chloroethane
 Concen: 0.423 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. -0.238 min
 Lab File: VV033315.D
 Acq: 14 Dec 2023 07:07

Tgt Ion: 64 Resp: 2277
 Ion Ratio Lower Upper
 64 100
 66 35.1 22.9 42.5

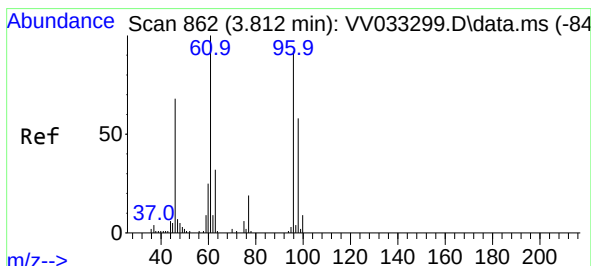
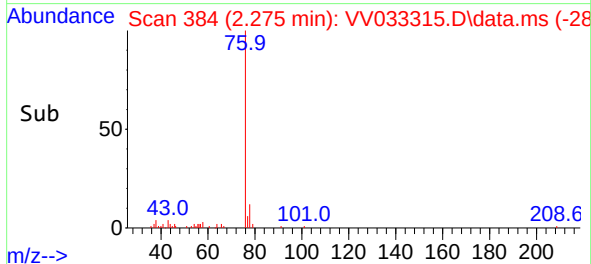
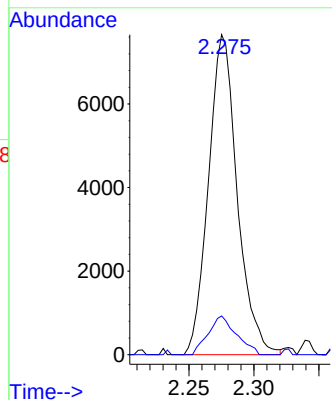
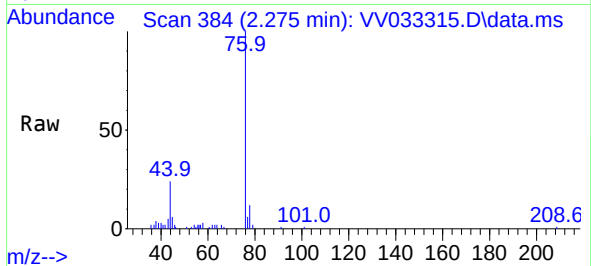




#14
Carbon disulfide
Concen: 0.490 ug/L
RT: 2.275 min Scan# 31
Delta R.T. 0.032 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

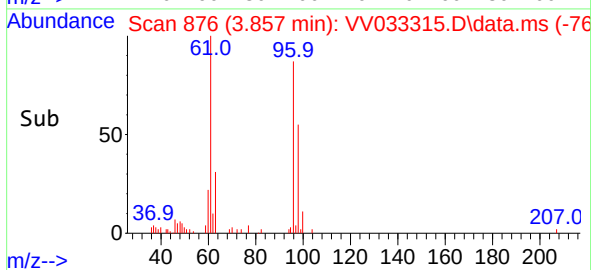
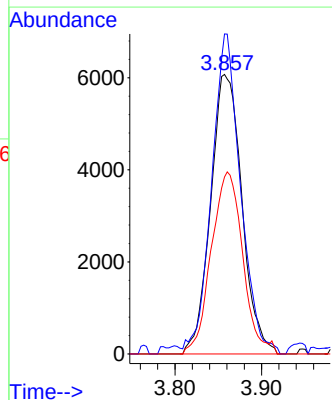
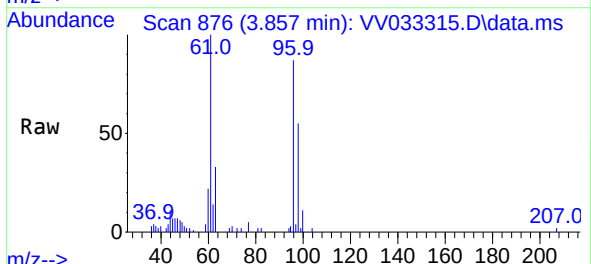
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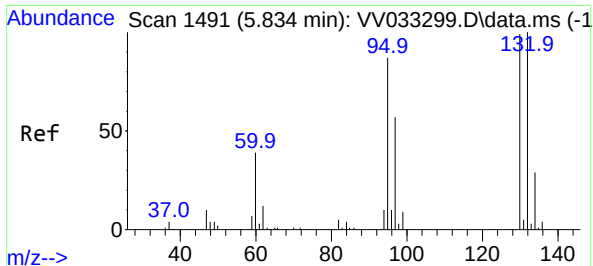
Tgt Ion: 76 Resp: 11806
Ion Ratio Lower Upper
76 100
78 12.1 7.4 11.0#



#22
cis-1,2-Dichloroethene
Concen: 1.648 ug/L
RT: 3.857 min Scan# 876
Delta R.T. 0.045 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

Tgt Ion: 96 Resp: 15266
Ion Ratio Lower Upper
96 100
61 114.5 69.9 129.9
98 63.4 42.4 78.8

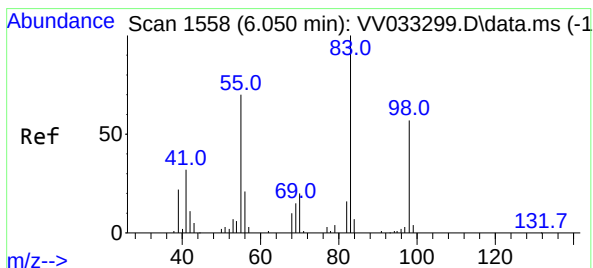
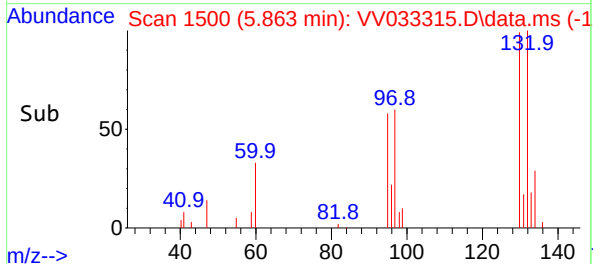
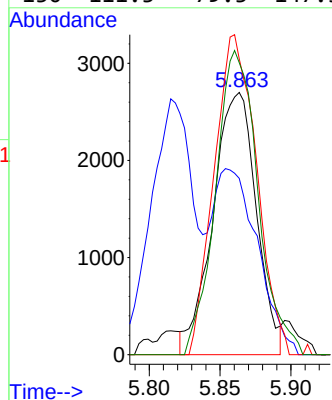
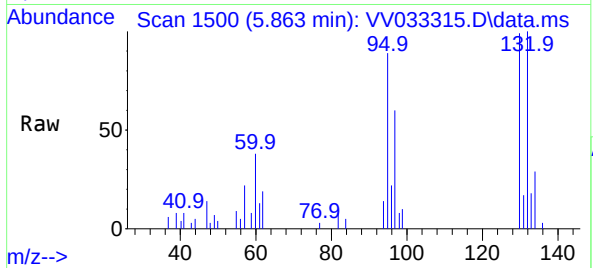




#34
Trichloroethene
Concen: 0.600 ug/L
RT: 5.863 min Scan# 11
Delta R.T. 0.029 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

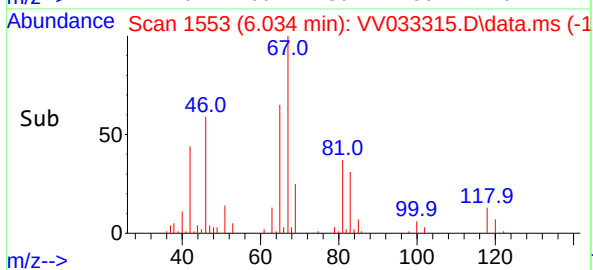
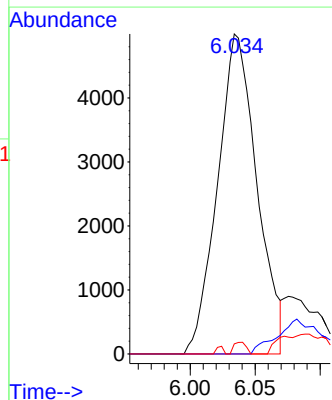
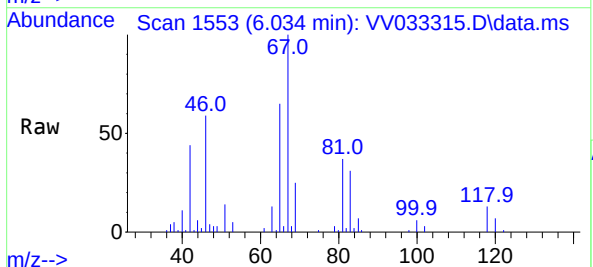
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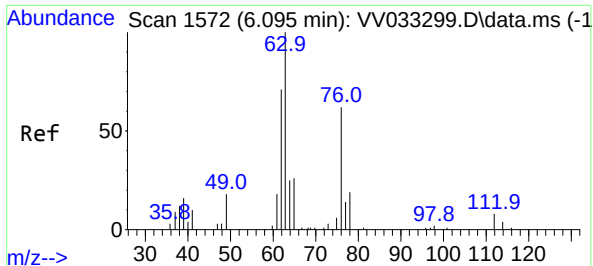
Tgt Ion: 95 Resp: 5738
Ion Ratio Lower Upper
95 100
97 67.2 46.5 86.5
132 112.8 75.1 139.5
130 111.3 79.3 147.3



#35
Methylcyclohexane
Concen: 0.744 ug/L
RT: 6.034 min Scan# 1553
Delta R.T. -0.016 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

Tgt Ion: 83 Resp: 10534
Ion Ratio Lower Upper
83 100
55 0.0 50.7 76.1#
98 1.1 42.4 63.6#

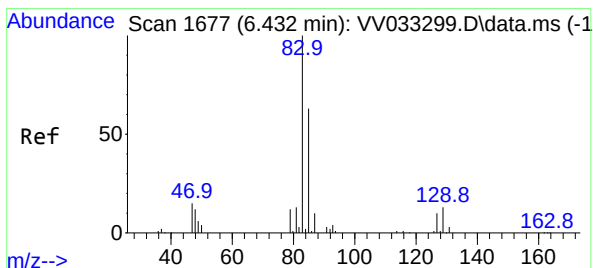
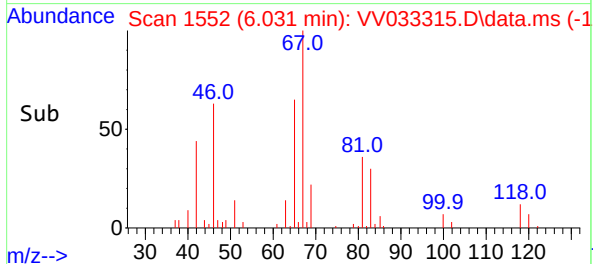
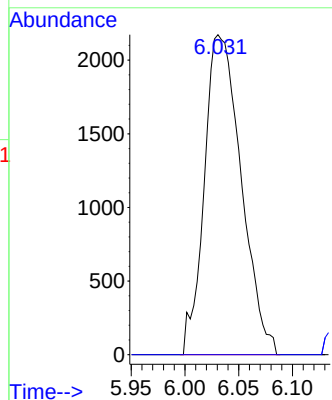
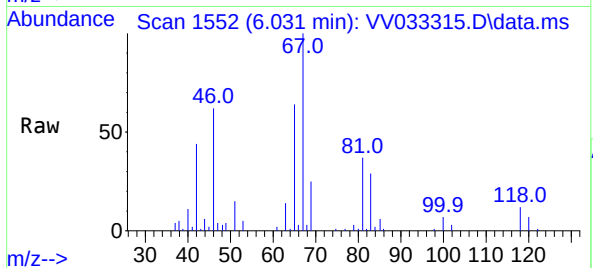




#37
1,2-Dichloropropane
Concen: 0.786 ug/L
RT: 6.031 min Scan# 11
Delta R.T. -0.064 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

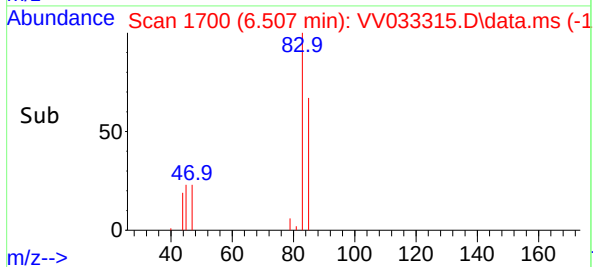
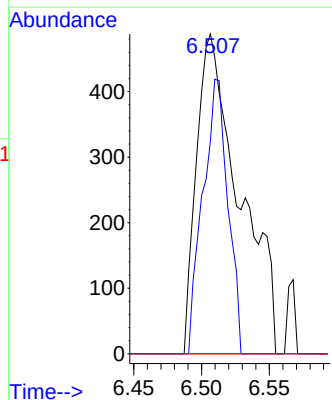
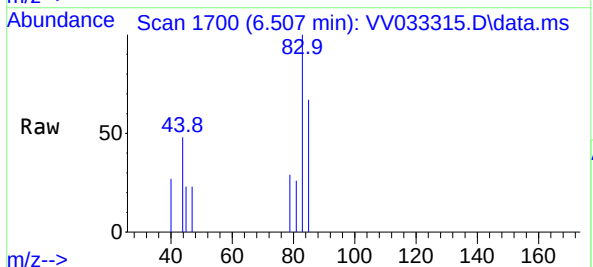
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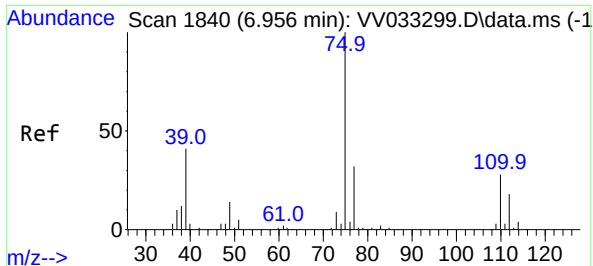
Tgt Ion: 63 Resp: 5184
Ion Ratio Lower Upper
63 100
112 57.7 5.0 7.6#



#38
Bromodichloromethane
Concen: 0.102 ug/L
RT: 6.507 min Scan# 1700
Delta R.T. 0.074 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

Tgt Ion: 83 Resp: 1075
Ion Ratio Lower Upper
83 100
85 66.6 46.6 86.6
127 0.0 8.6 13.0#





#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 6.973 min Scan# 1137

Delta R.T. 0.016 min

Lab File: VV033315.D

Acq: 14 Dec 2023 07:07

Instrument :

MSVOA_V

ClientSampleId :

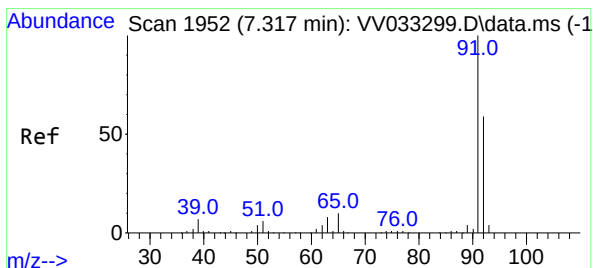
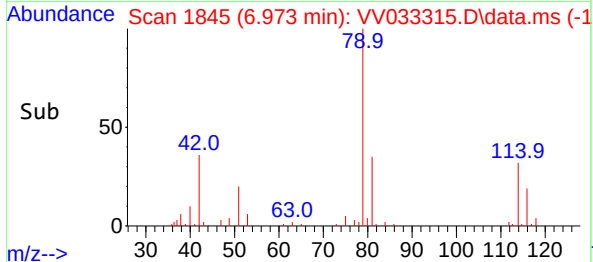
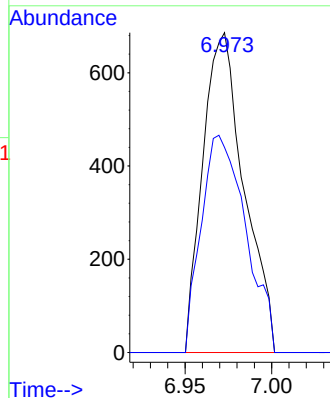
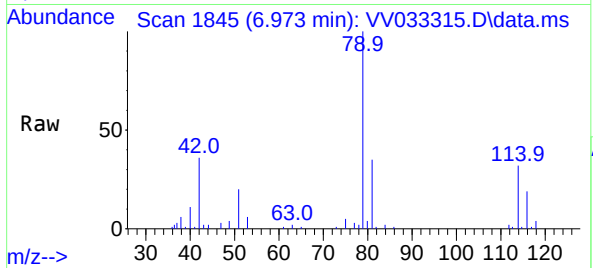
E0Y87

Tgt Ion: 75 Resp: 1137

Ion Ratio Lower Upper

75 100

77 64.1 22.1 41.1#



#42

Toluene

Concen: 0.798 ug/L

RT: 7.365 min Scan# 1967

Delta R.T. 0.048 min

Lab File: VV033315.D

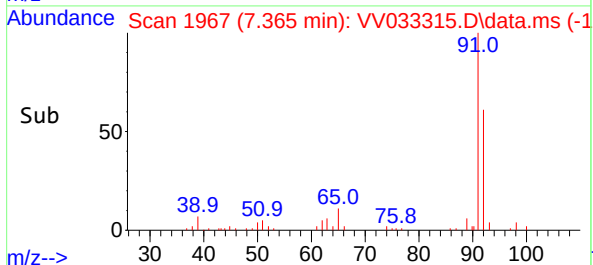
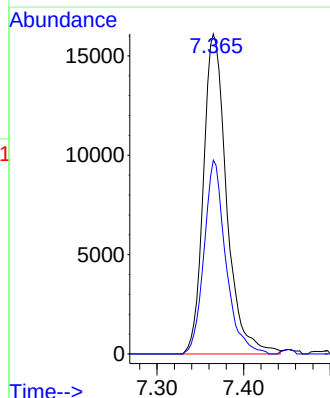
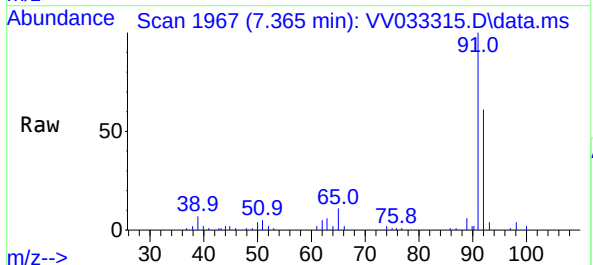
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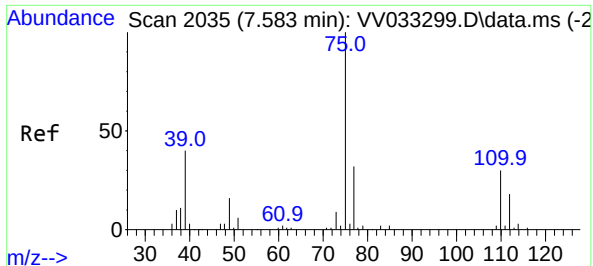
Tgt Ion: 91 Resp: 29971

Ion Ratio Lower Upper

91 100

92 60.6 40.2 74.6

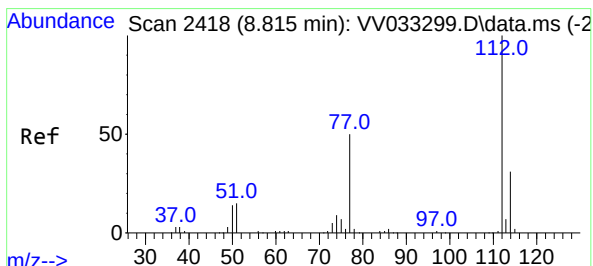
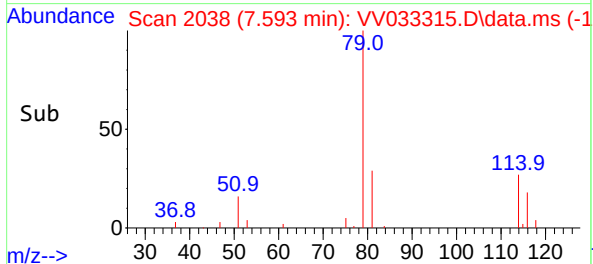
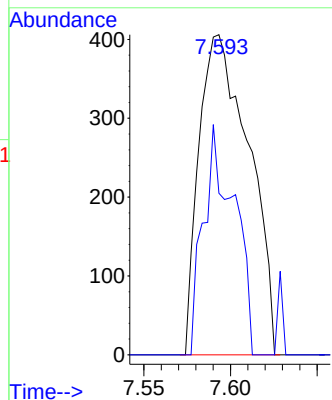
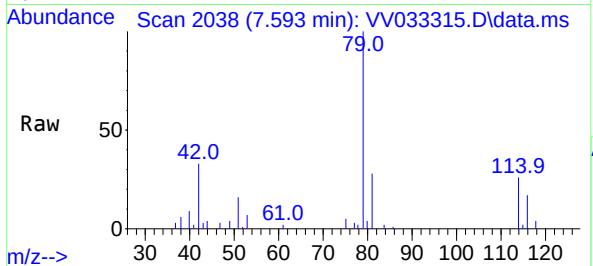




#44
trans-1,3-Dichloropropene
Concen: 0.091 ug/L
RT: 7.593 min Scan# 2035
Delta R.T. 0.010 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

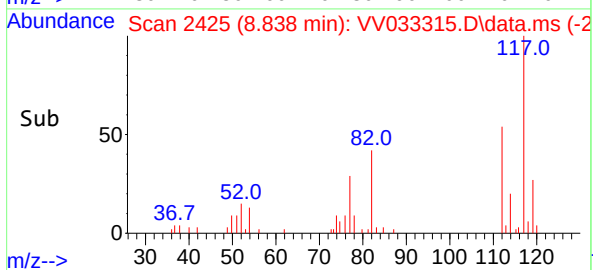
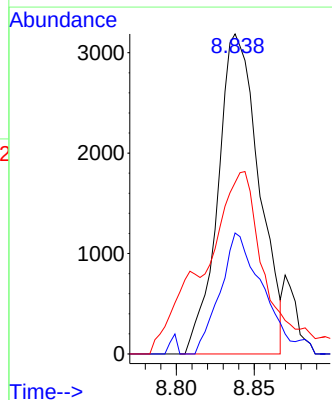
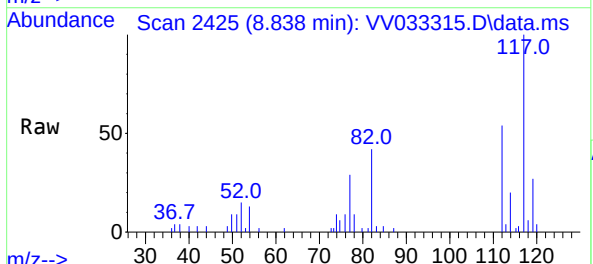
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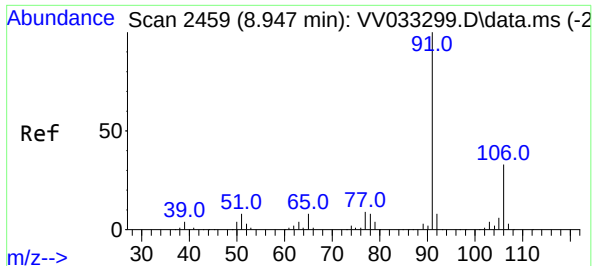
Tgt Ion: 75 Resp: 812
Ion Ratio Lower Upper
75 100
77 50.5 21.7 40.3#



#51
Chlorobenzene
Concen: 0.228 ug/L
RT: 8.838 min Scan# 2425
Delta R.T. 0.023 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

Tgt Ion: 112 Resp: 5858
Ion Ratio Lower Upper
112 100
114 37.8 22.8 42.4
77 53.6 41.3 61.9

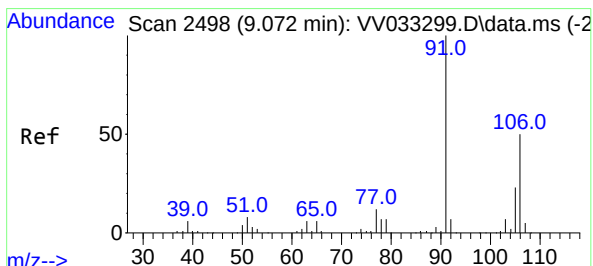
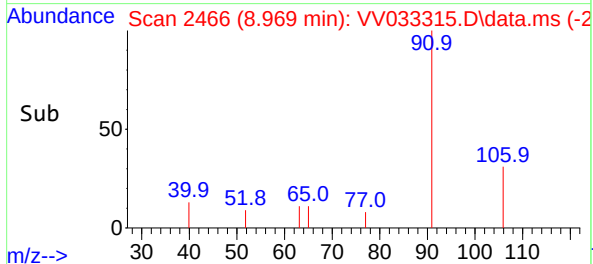
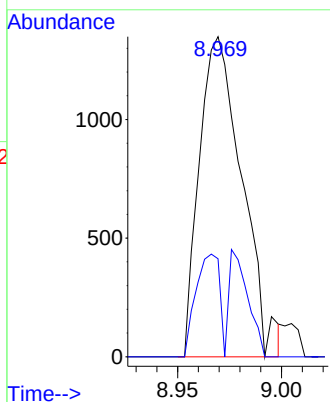
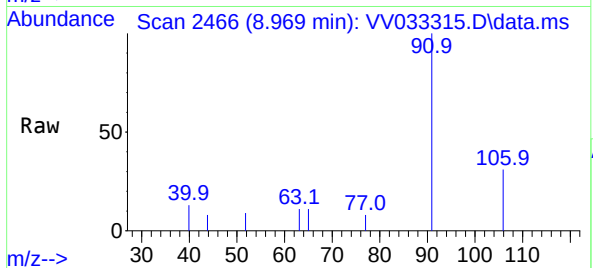




#52
Ethylbenzene
Concen: 0.046 ug/L
RT: 8.969 min Scan# 2459
Delta R.T. 0.023 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

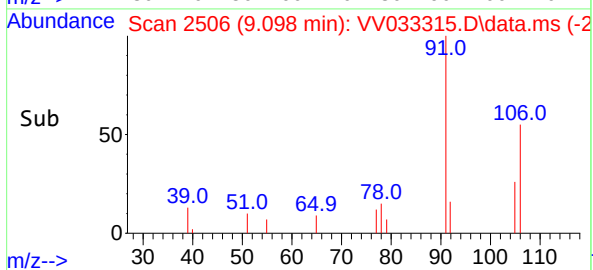
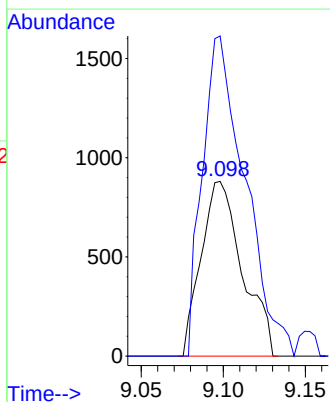
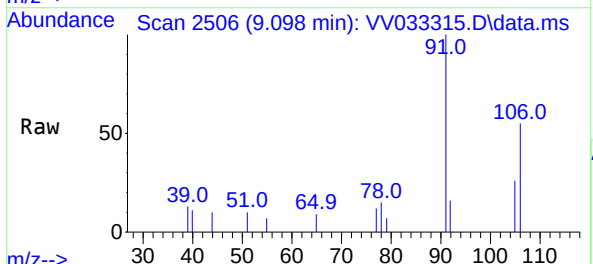
Instrument :
MSVOA_V
ClientSampleId :
E0Y87

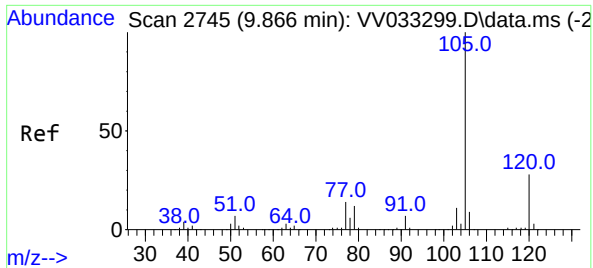
Tgt Ion: 91 Resp: 1922
Ion Ratio Lower Upper
91 100
106 30.6 22.7 42.3



#53
m,p-Xylene
Concen: 0.089 ug/L
RT: 9.098 min Scan# 2506
Delta R.T. 0.026 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

Tgt Ion: 106 Resp: 1540
Ion Ratio Lower Upper
106 100
91 183.2 136.8 254.0

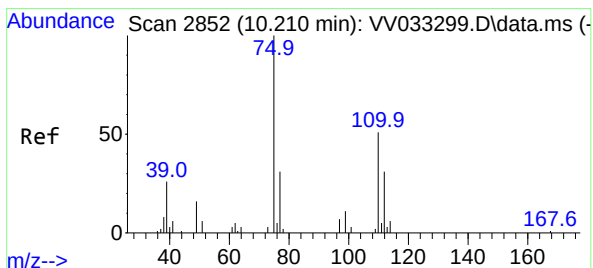
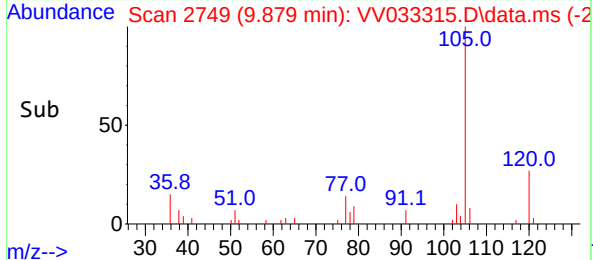
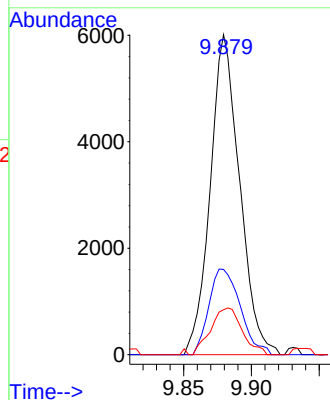
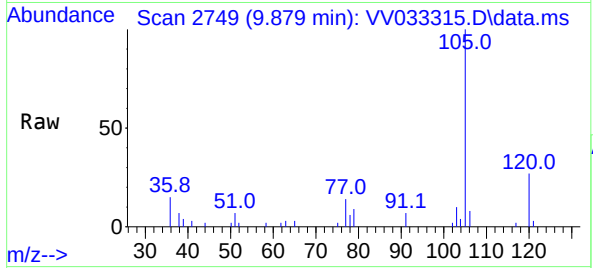




#60
Isopropylbenzene
Concen: 0.220 ug/L
RT: 9.879 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

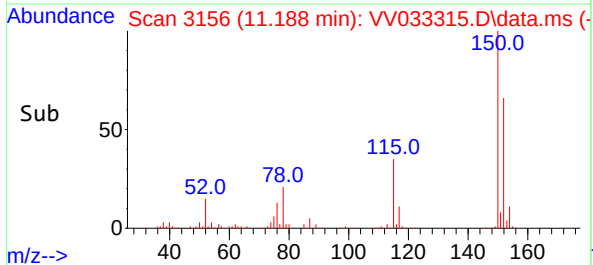
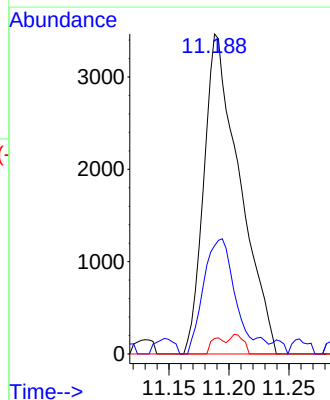
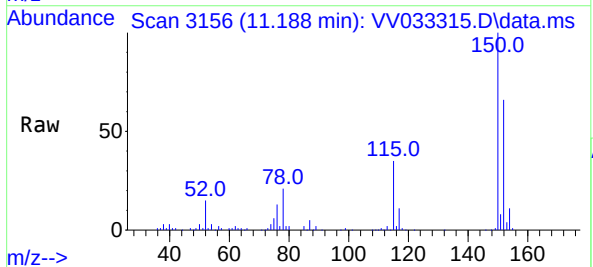
Instrument :
MSVOA_V
ClientSampleId :
E0Y87

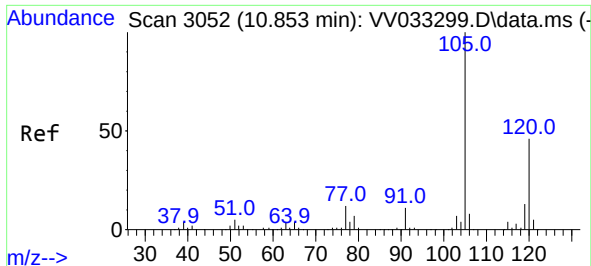
Tgt Ion:	105	Resp:	9059
Ion	Ratio	Lower	Upper
105	100		
120	28.6	22.2	33.4
77	15.6	11.6	17.4



#61
1,2,3-Trichloropropane
Concen: 2.186 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.978 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

Tgt Ion:	75	Resp:	7190
Ion	Ratio	Lower	Upper
75	100		
77	31.1	27.4	41.2
110	2.0	39.4	59.2#

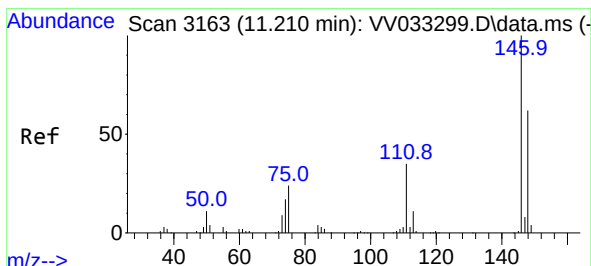
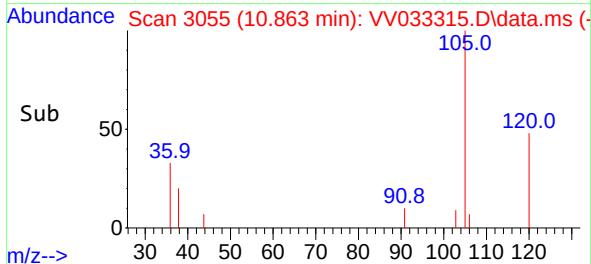
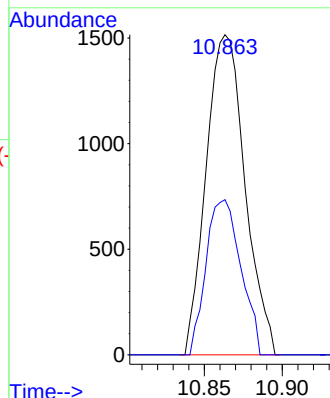
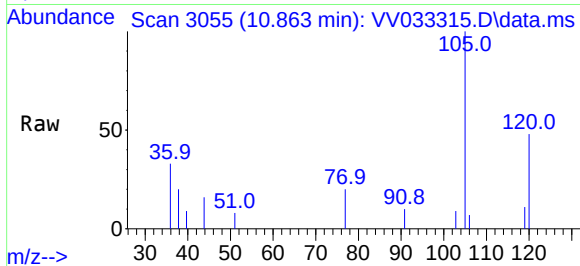




#63
1,2,4-Trimethylbenzene
Concen: 0.079 ug/L
RT: 10.863 min Scan# 3052
Delta R.T. 0.010 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

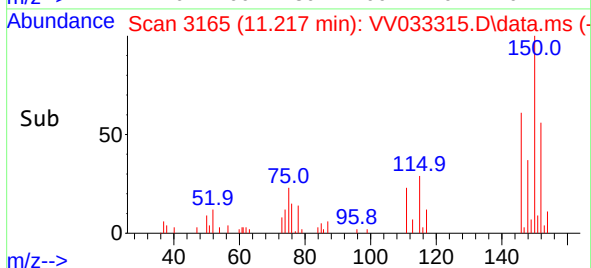
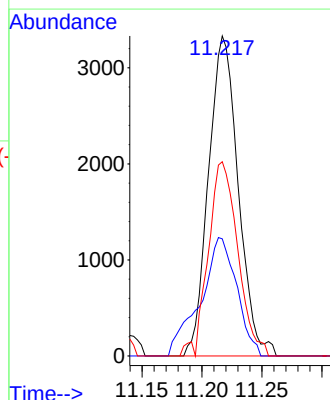
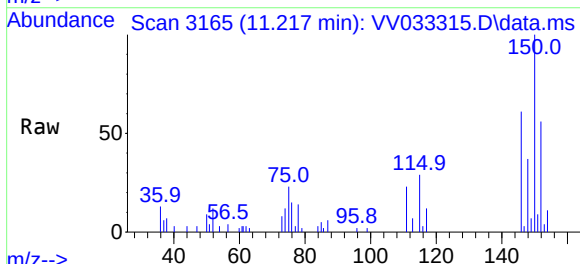
Instrument :
MSVOA_V
ClientSampleId :
E0Y87

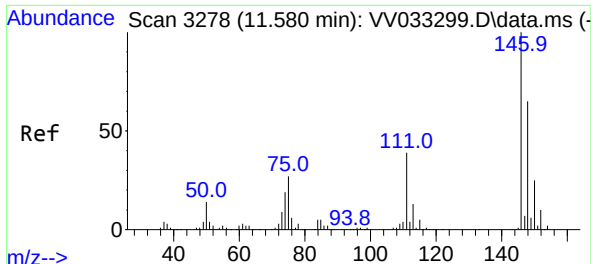
Tgt Ion:105 Resp: 2628
Ion Ratio Lower Upper
105 100
120 43.3 38.1 57.1



#65
1,4-Dichlorobenzene
Concen: 0.276 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.007 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

Tgt Ion:146 Resp: 5741
Ion Ratio Lower Upper
146 100
111 36.6 25.6 47.4
148 60.7 44.7 82.9

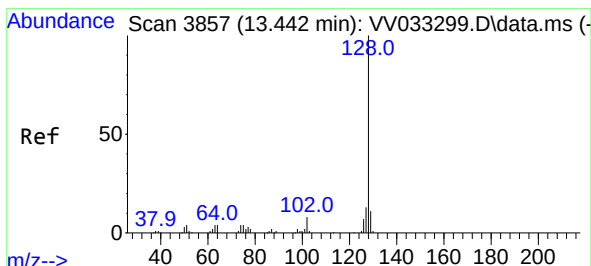
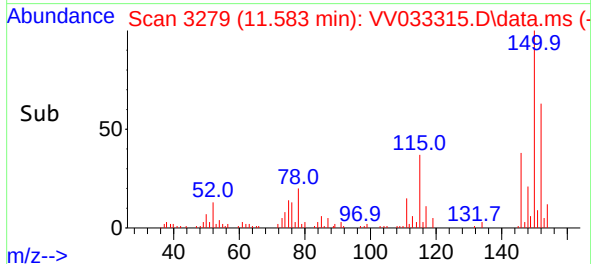
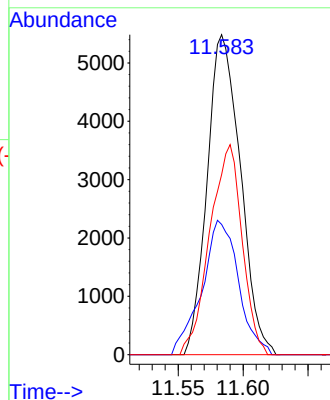
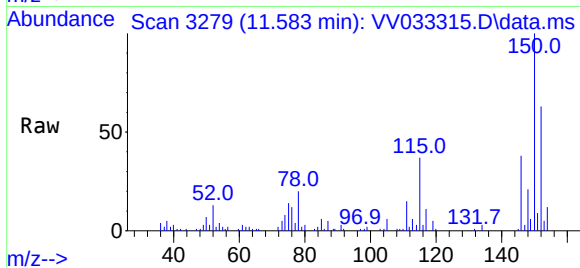




#67
1,2-Dichlorobenzene
Concen: 0.543 ug/L
RT: 11.583 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

Instrument :
MSVOA_V
ClientSampleId :
E0Y87

Tgt Ion:	146	Resp:	9762
Ion	Ratio	Lower	Upper
146	100		
111	40.7	31.0	46.4
148	56.3	52.6	79.0



#71
Naphthalene
Concen: 0.127 ug/L
RT: 13.455 min Scan# 3861
Delta R.T. 0.013 min
Lab File: VV033315.D
Acq: 14 Dec 2023 07:07

Tgt Ion:	128	Resp:	1898
Ion	Ratio	Lower	Upper
128	100		
129	8.3	8.8	13.2#
127	0.0	10.1	15.1#

