

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120723\
 Data File : VD077776.D
 Acq On : 07 Dec 2023 15:18
 Operator : JC/SY
 Sample : 05646-13
 Misc : 3.84G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 08 00:33:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 06 00:24:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	408555	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.604	117	141217	25.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	13.540	152	135458	25.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	217569	19.528	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.120%
7) Chloroethane-d5	2.811	69	185335	20.870	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.480%
11) 1,1-Dichloroethene-d2	3.922	65	52361	18.125	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.520%
21) 2-Butanone-d5	6.999	46	54936	39.014	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.020%
24) Chloroform-d	7.575	84	220759	20.048	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.200%
26) 1,2-Dichloroethane-d4	8.257	65	195048	34.961	ug/L	0.02
Spiked Amount	25.000	Range	70 - 130	Recovery	=	139.840%#
32) Benzene-d6	8.240	84	640174	75.270	ug/L	0.04
Spiked Amount	25.000	Range	20 - 135	Recovery	=	301.080%#
36) 1,2-Dichloropropane-d6	9.216	67	142735	55.004	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	220.000%#
41) Toluene-d8	10.281	98	364769	46.596	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	186.400%#
43) trans-1,3-Dichloroprop...	10.534	79	53076	46.252	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	185.000%#
47) 2-Hexanone-d5	10.904	63	48873	109.295	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	218.580%#
56) 1,1,2,2-Tetrachloroeth...	12.657	84	93511	49.867	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	199.480%#
66) 1,2-Dichlorobenzene-d4	13.834	152	164846	34.017	ug/L	0.02
Spiked Amount	25.000	Range	75 - 120	Recovery	=	136.080%#
Target Compounds						Qvalue
13) Acetone	4.028	43	5839	3.236	ug/L	97
16) Methylene chloride	4.805	84	3914	0.540	ug/L	93
22) 2-Butanone	7.093	43	1426	0.702	ug/L	97
29) Cyclohexane	7.887	56	6682	1.793	ug/L #	70
34) Trichloroethene	8.781	95	11971	5.247	ug/L #	5
35) Methylcyclohexane	9.281	83	12841	3.170	ug/L	88
42) Toluene	10.340	91	116587	11.942	ug/L	94
44) trans-1,3-Dichloropropene	10.534	75	2505	0.801	ug/L #	64
52) Ethylbenzene	11.722	91	33530	3.098	ug/L	89
53) m,p-Xylene	11.810	106	13696	3.349	ug/L	92
54) o-Xylene	12.128	106	4145	1.059	ug/L	75
57) 1,1,2,2-Tetrachloroethane	12.657	83	726	0.381	ug/L #	1
63) 1,2,4-Trimethylbenzene	13.228	105	9456	0.614	ug/L	99
65) 1,4-Dichlorobenzene	13.534	146	3342264	368.368	ug/L #	31
68) 1,2-Dibromo-3-chloropr...	14.434	75	52506	89.370	ug/L #	4
69) 1,3,5-Trichlorobenzene	14.598	180	435067	73.071	ug/L	99
71) Naphthalene	15.339	128	73651	7.970	ug/L	97

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Dec 06 00:24:24 2023
Response via : Initial Calibration

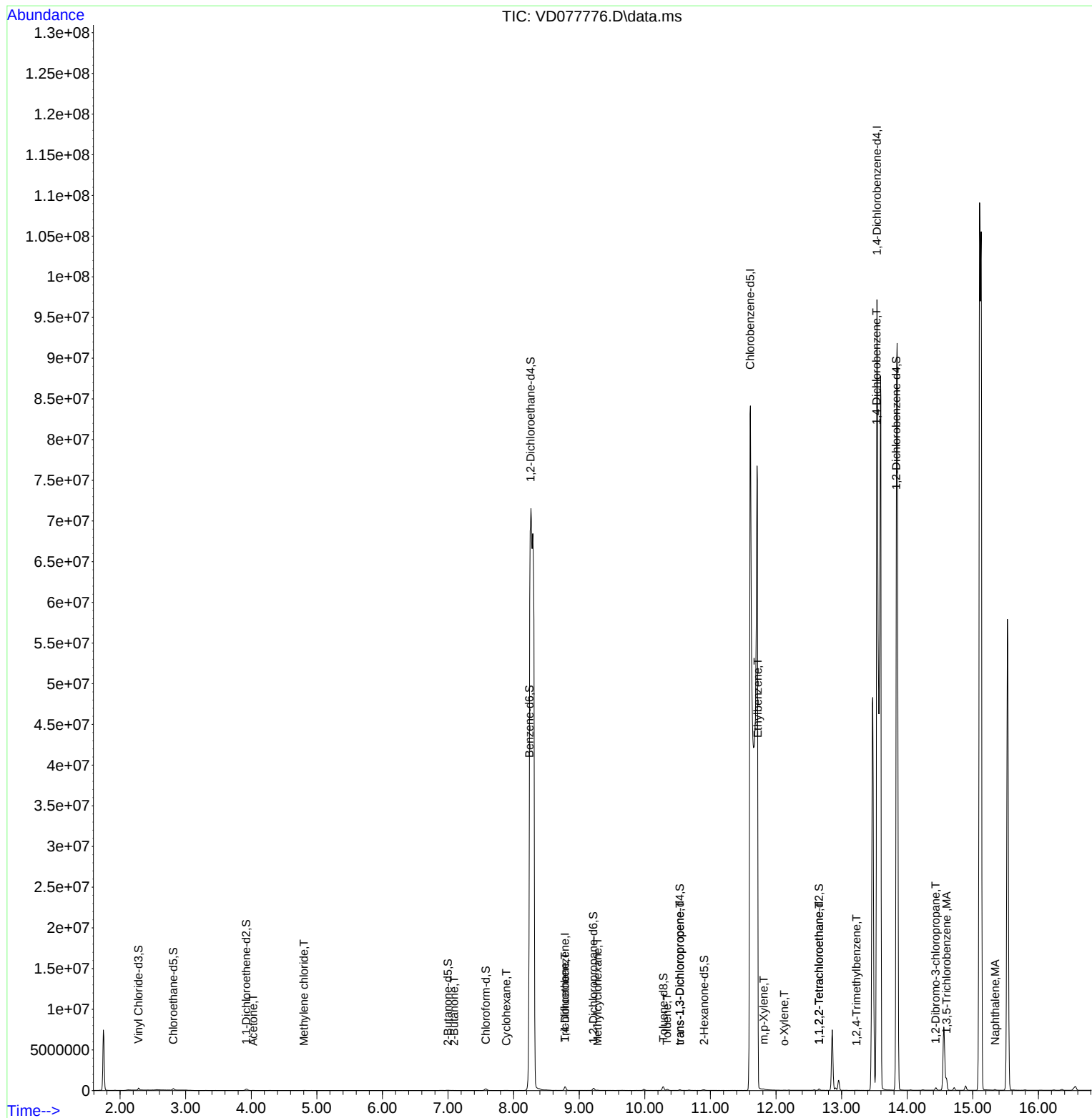
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

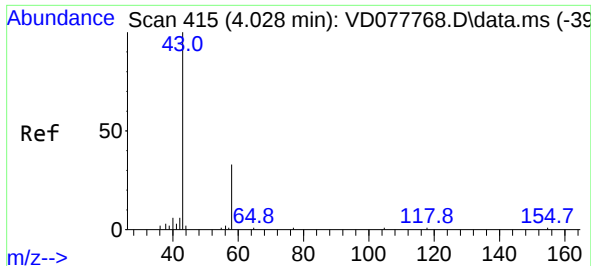
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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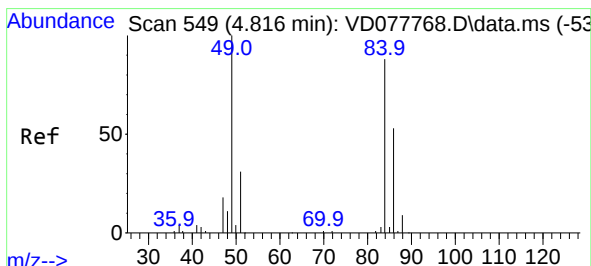
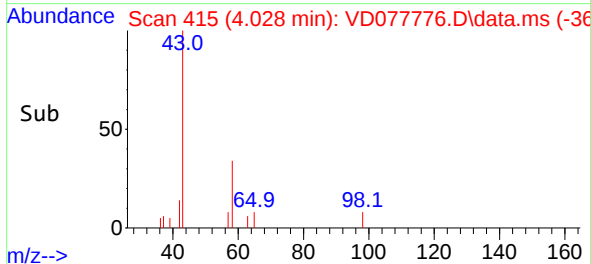
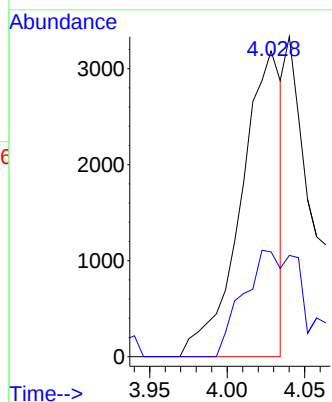
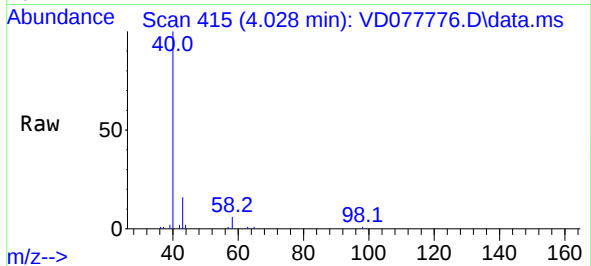




#13
Acetone
Concen: 3.236 ug/L
RT: 4.028 min Scan# 415
Delta R.T. -0.000 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

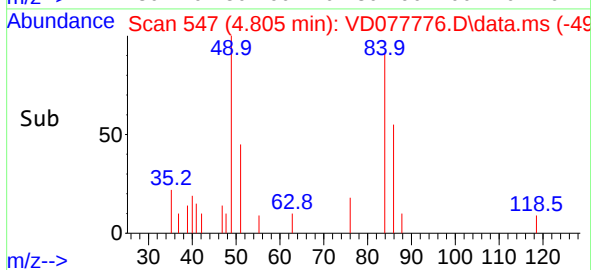
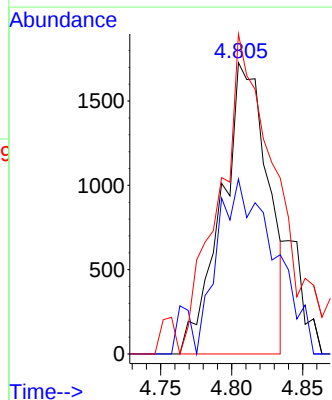
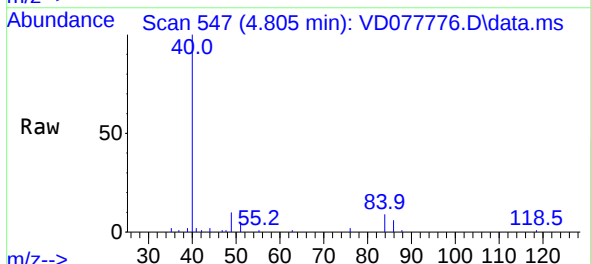
Instrument :
MSVOA_D
ClientSampleId :

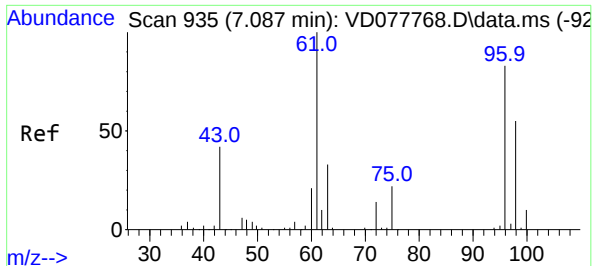
Tgt Ion: 43 Resp: 5839
Ion Ratio Lower Upper
43 100
58 32.1 0.0 67.2



#16
Methylene chloride
Concen: 0.540 ug/L
RT: 4.805 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

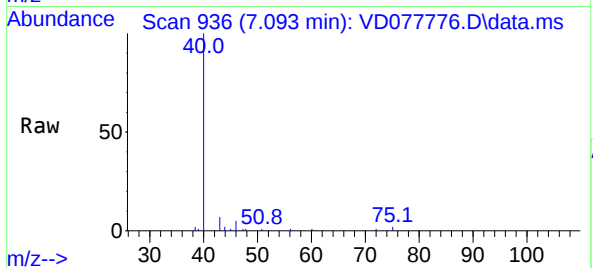
Tgt Ion: 84 Resp: 3914
Ion Ratio Lower Upper
84 100
86 60.0 40.1 74.5
49 109.8 83.2 154.6



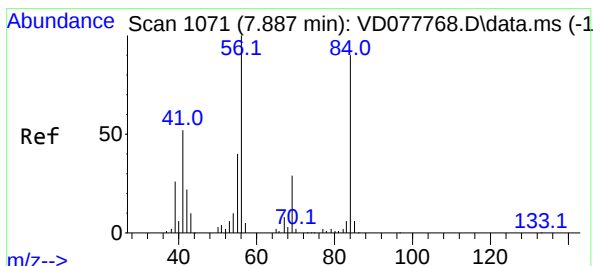
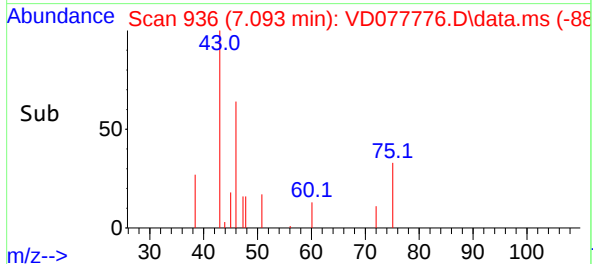
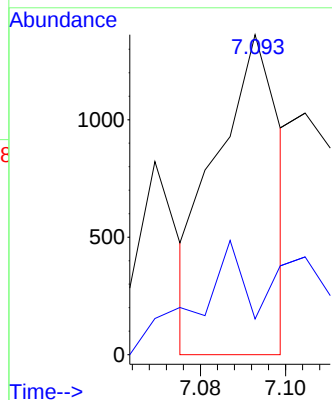


#22
2-Butanone
Concen: 0.702 ug/L
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

Instrument :
MSVOA_D
ClientSampleId :

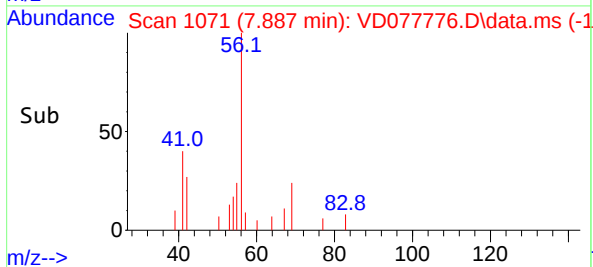
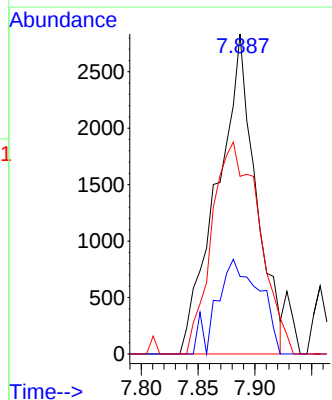
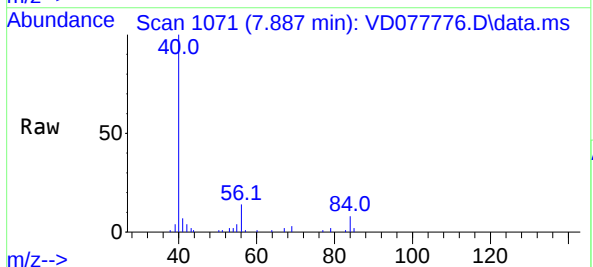


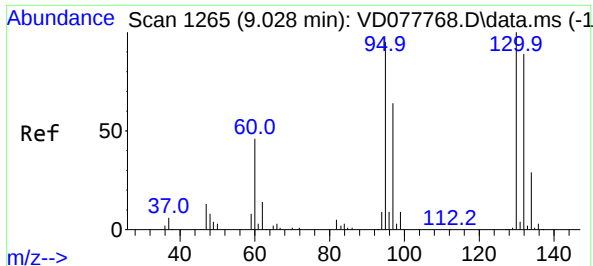
Tgt Ion: 43 Resp: 1426
Ion Ratio Lower Upper
43 100
72 15.8 7.2 21.6



#29
Cyclohexane
Concen: 1.793 ug/L
RT: 7.887 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

Tgt Ion: 56 Resp: 6682
Ion Ratio Lower Upper
56 100
69 26.5 22.2 33.4
84 49.9 68.5 102.7#

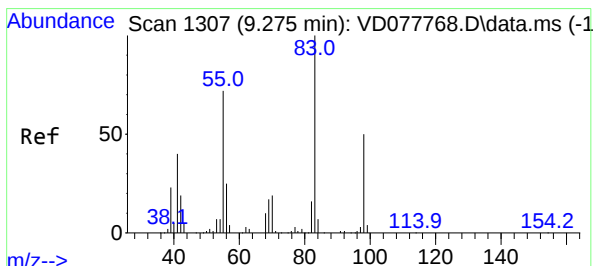
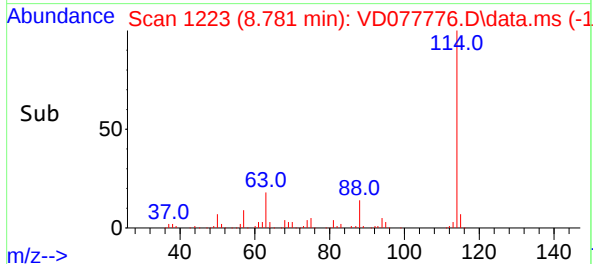
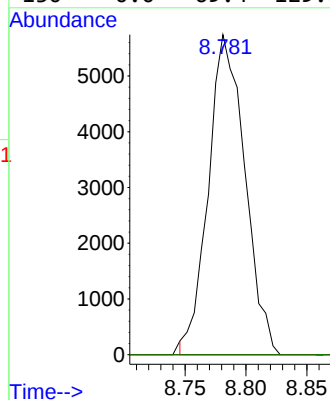
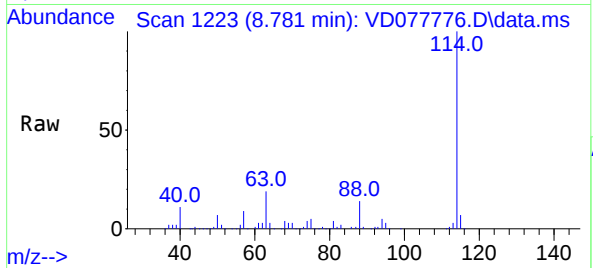




#34
Trichloroethene
Concen: 5.247 ug/L
RT: 8.781 min Scan# 11971
Delta R.T. -0.253 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

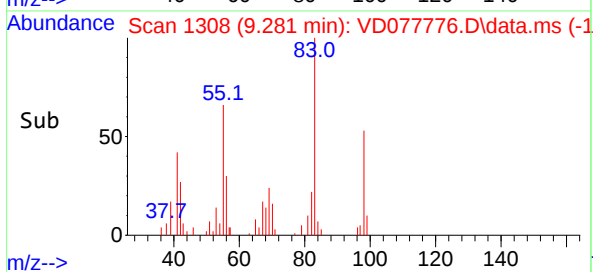
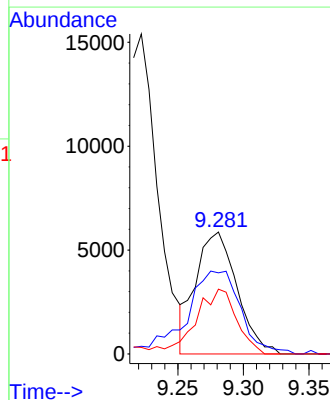
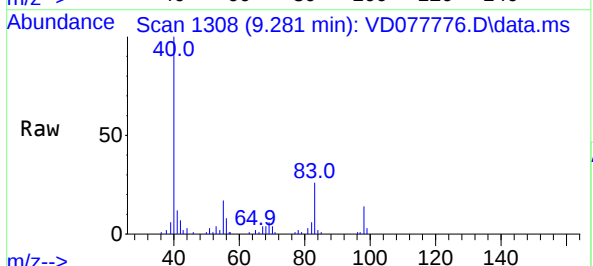
Instrument :
MSVOA_D
ClientSampleId :

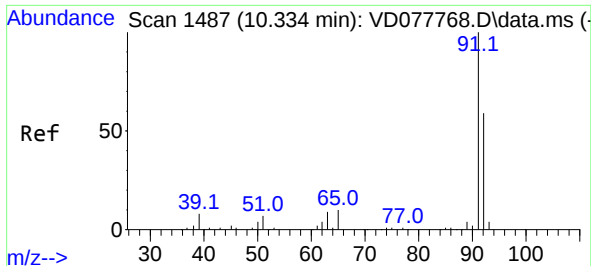
Tgt Ion:	95	Resp:	11971
Ion	Ratio	Lower	Upper
95	100		
97	0.0	44.2	82.0#
132	0.0	67.5	125.3#
130	0.0	69.4	129.0#



#35
Methylcyclohexane
Concen: 3.170 ug/L
RT: 9.281 min Scan# 1308
Delta R.T. 0.006 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

Tgt Ion:	83	Resp:	12841
Ion	Ratio	Lower	Upper
83	100		
55	87.2	59.8	89.6
98	52.9	38.5	57.7

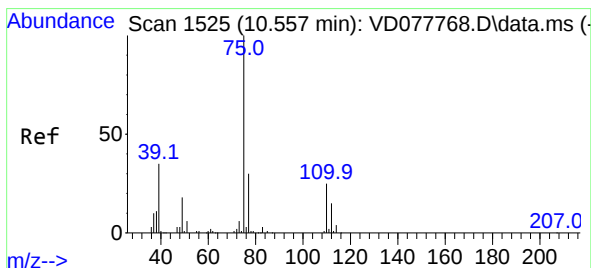
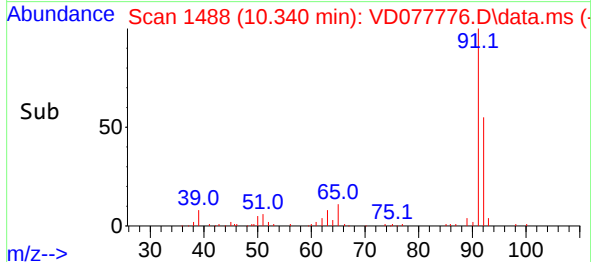
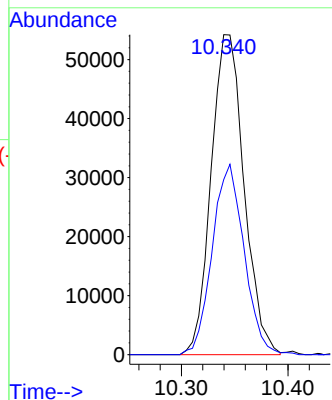
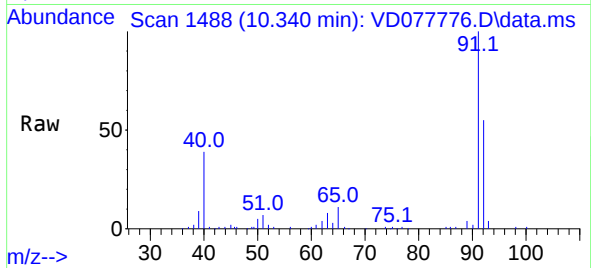




#42
Toluene
Concen: 11.942 ug/L
RT: 10.340 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

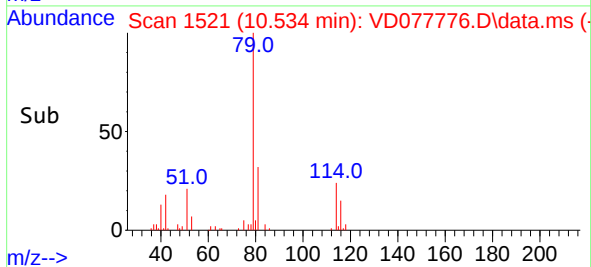
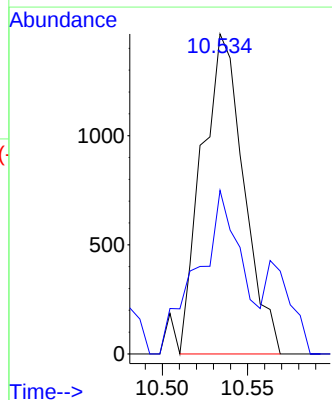
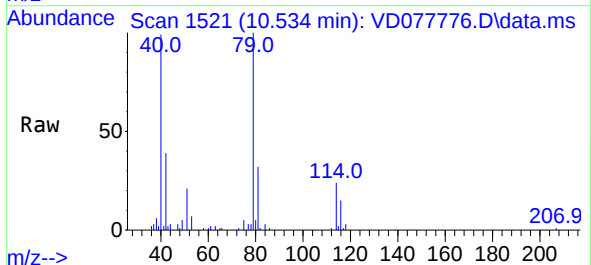
Instrument :
MSVOA_D
ClientSampleId :

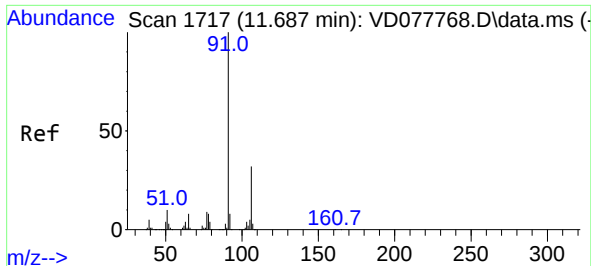
Tgt Ion: 91 Resp: 116587
Ion Ratio Lower Upper
91 100
92 54.7 41.6 77.3



#44
trans-1,3-Dichloropropene
Concen: 0.801 ug/L
RT: 10.534 min Scan# 1521
Delta R.T. -0.024 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

Tgt Ion: 75 Resp: 2505
Ion Ratio Lower Upper
75 100
77 51.1 22.0 40.8#

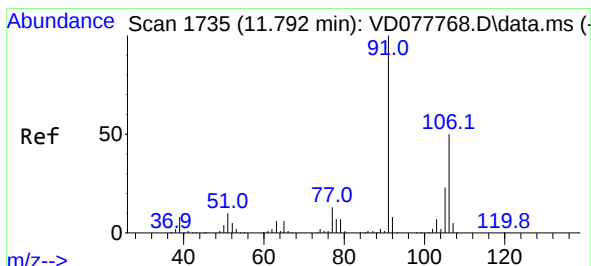
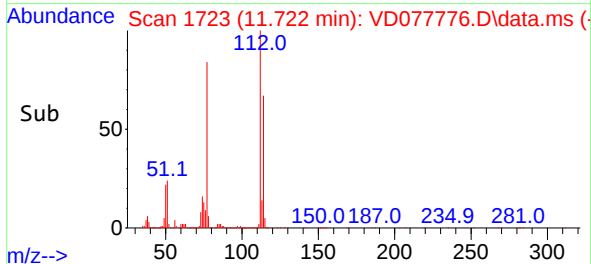
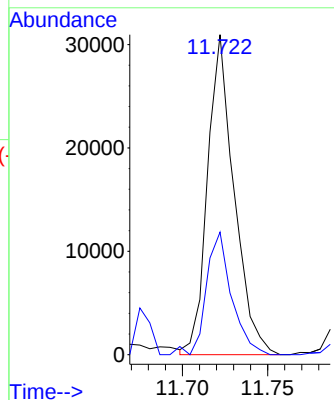
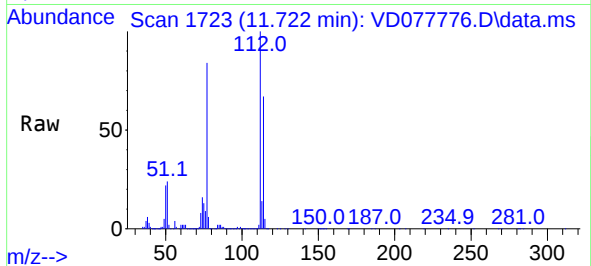




#52
Ethylbenzene
Concen: 3.098 ug/L
RT: 11.722 min Scan# 1723
Delta R.T. 0.035 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

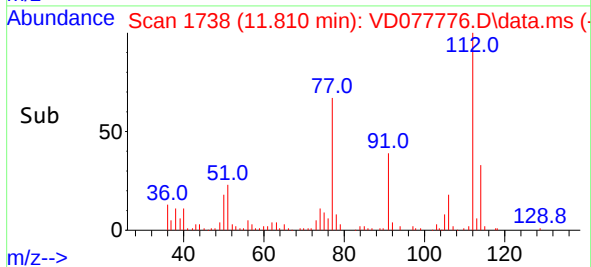
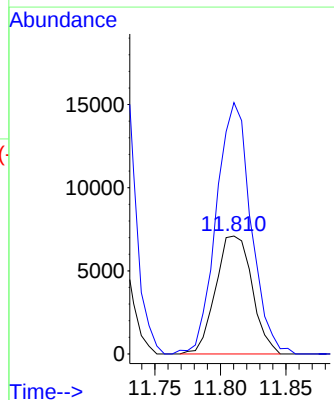
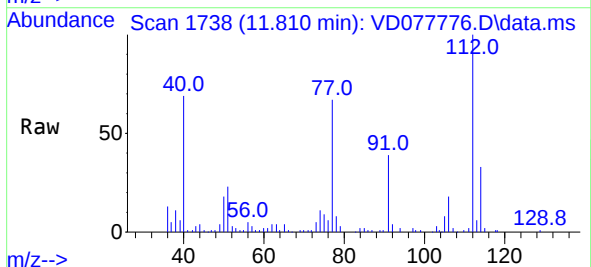
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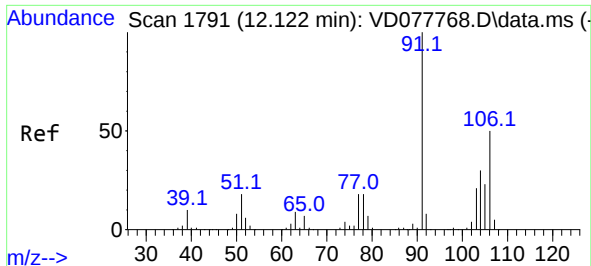
Tgt Ion: 91 Resp: 33530
Ion Ratio Lower Upper
91 100
106 38.3 22.4 41.6



#53
m,p-Xylene
Concen: 3.349 ug/L
RT: 11.810 min Scan# 1738
Delta R.T. 0.018 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

Tgt Ion: 106 Resp: 13696
Ion Ratio Lower Upper
106 100
91 213.3 140.8 261.6

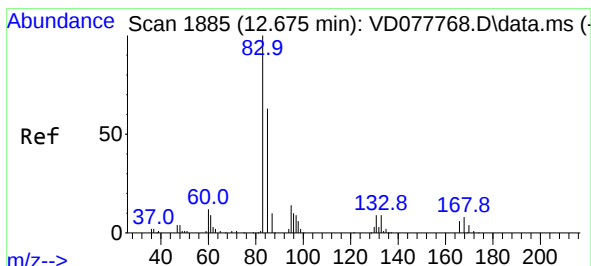
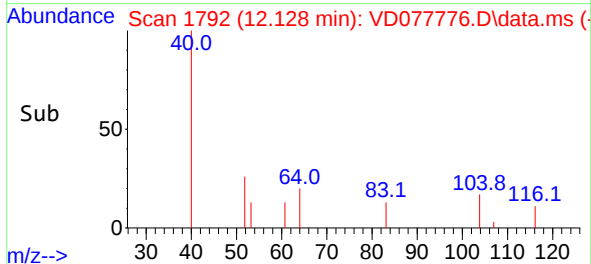
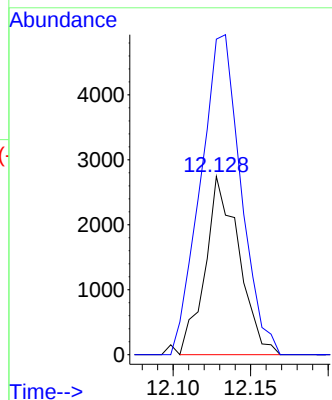
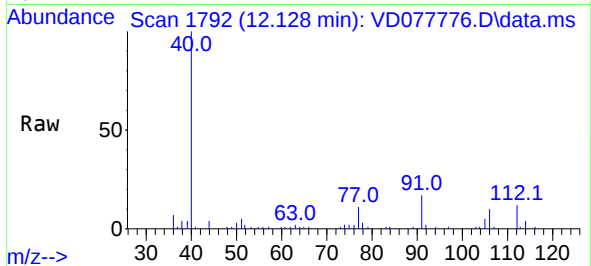




#54
o-Xylene
Concen: 1.059 ug/L
RT: 12.128 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

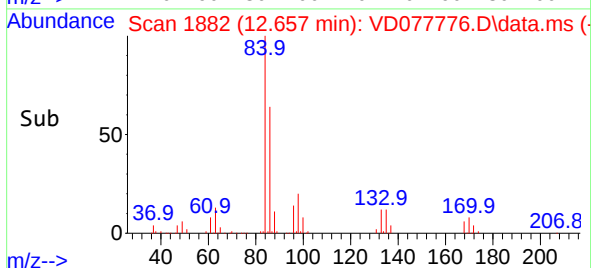
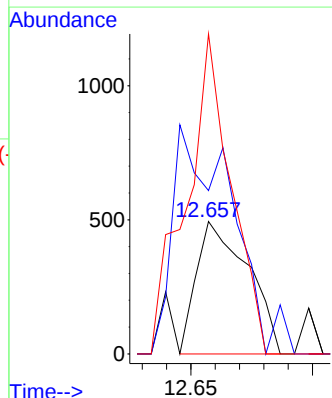
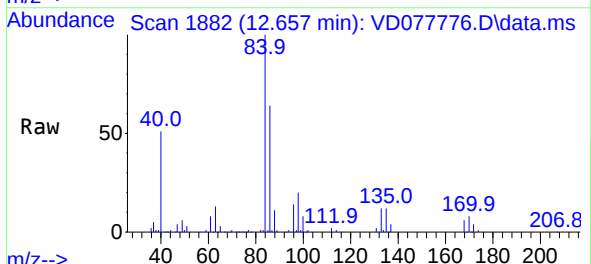
Instrument :
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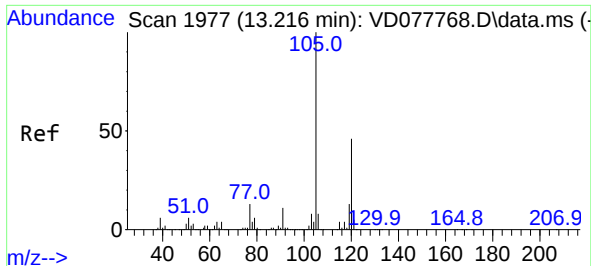
Tgt Ion:106 Resp: 4145
Ion Ratio Lower Upper
106 100
91 177.1 152.2 282.7



#57
1,1,2,2-Tetrachloroethane
Concen: 0.381 ug/L
RT: 12.657 min Scan# 1882
Delta R.T. -0.018 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

Tgt Ion: 83 Resp: 726
Ion Ratio Lower Upper
83 100
85 123.3 43.3 80.5#
131 241.5 7.3 10.9#

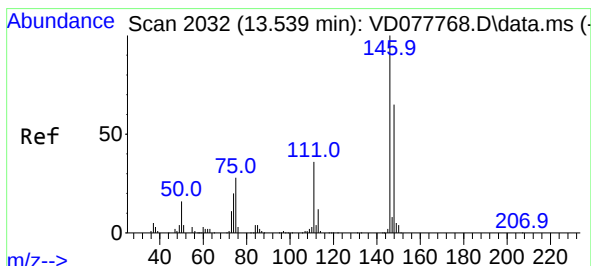
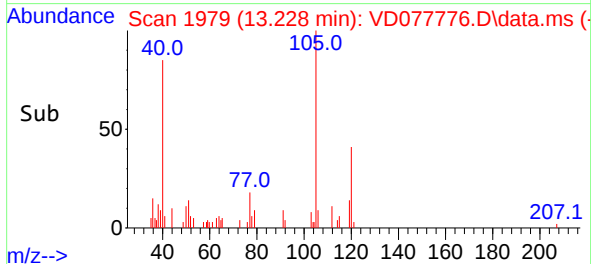
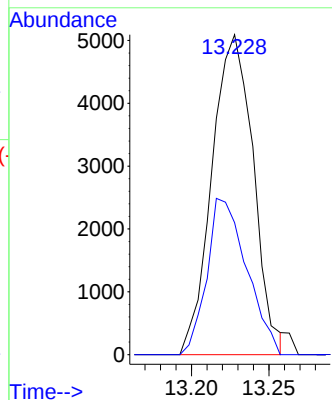
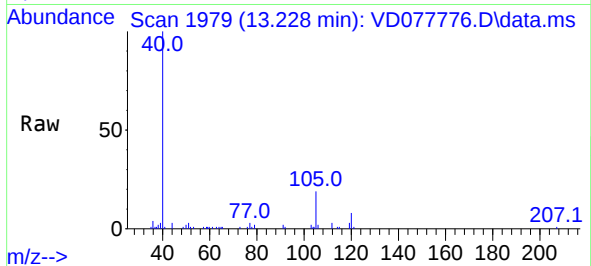




#63
1,2,4-Trimethylbenzene
Concen: 0.614 ug/L
RT: 13.228 min Scan# 1979
Delta R.T. 0.012 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

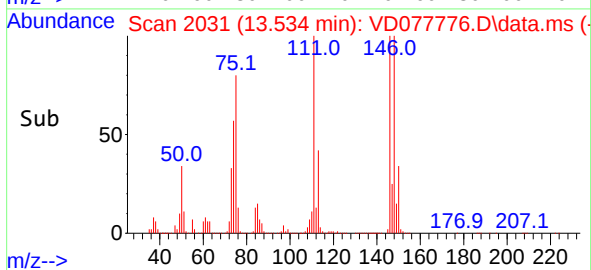
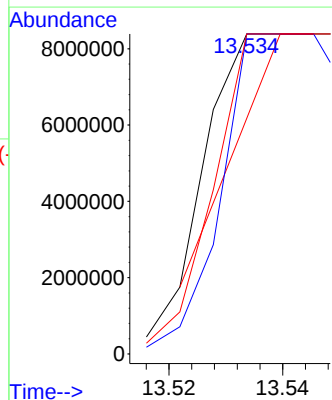
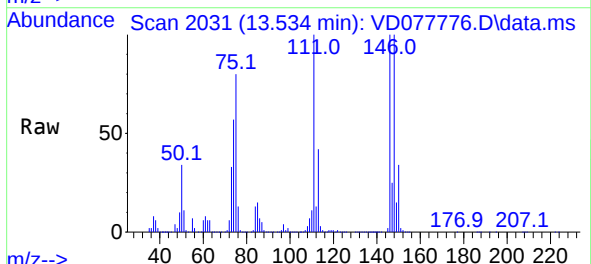
Instrument :
MSVOA_D
ClientSampleId :

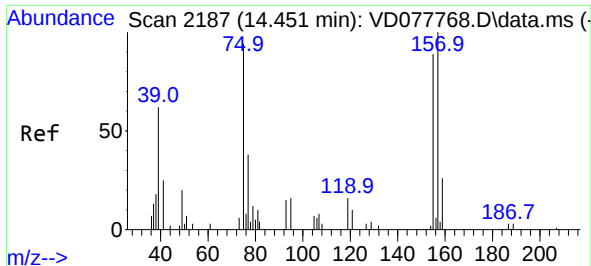
Tgt Ion:105 Resp: 9456
Ion Ratio Lower Upper
105 100
120 46.9 37.1 55.7



#65
1,4-Dichlorobenzene
Concen: 368.368 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

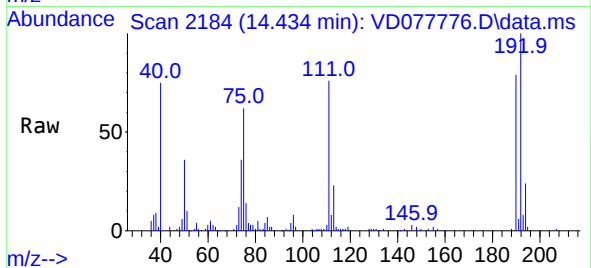
Tgt Ion:146 Resp: 3342264
Ion Ratio Lower Upper
146 100
111 100.0 26.4 49.0#
148 100.0 44.0 81.8#



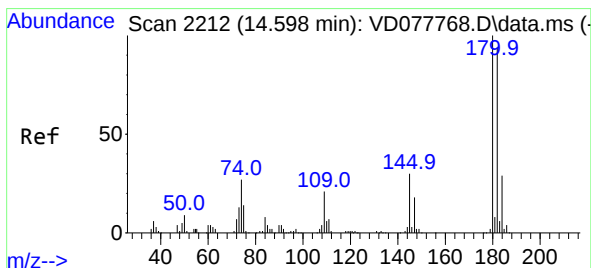
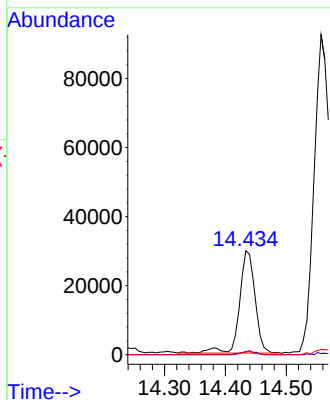
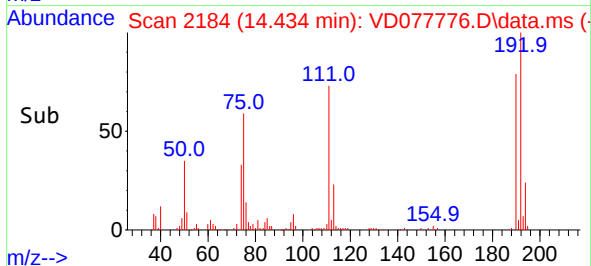


#68
1,2-Dibromo-3-chloropropane
Concen: 89.370 ug/L
RT: 14.434 min Scan# 2184
Delta R.T. -0.018 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

Instrument :
MSVOA_D
ClientSampleId :

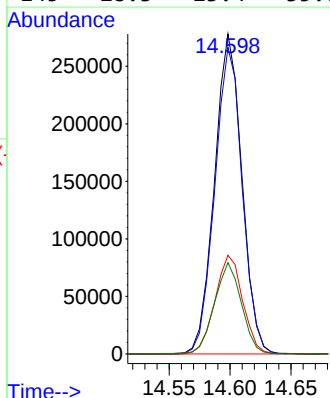
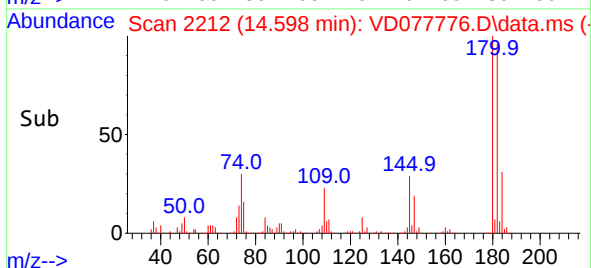
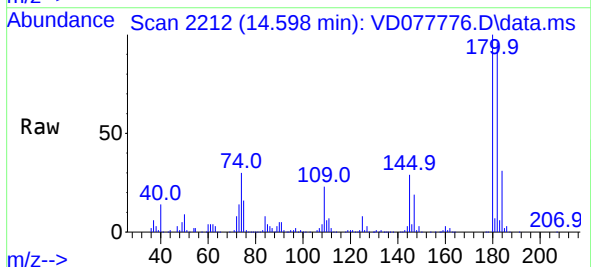


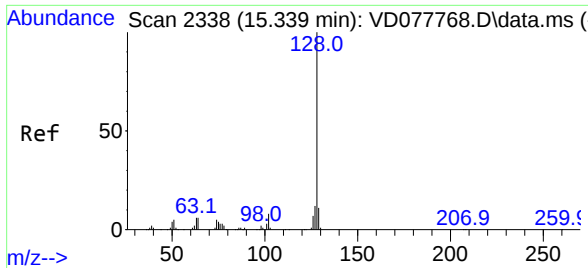
Tgt Ion: 75 Resp: 52506
Ion Ratio Lower Upper
75 100
155 3.0 69.2 103.8#
157 2.4 86.6 130.0#



#69
1,3,5-Trichlorobenzene
Concen: 73.071 ug/L
RT: 14.598 min Scan# 2212
Delta R.T. 0.000 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

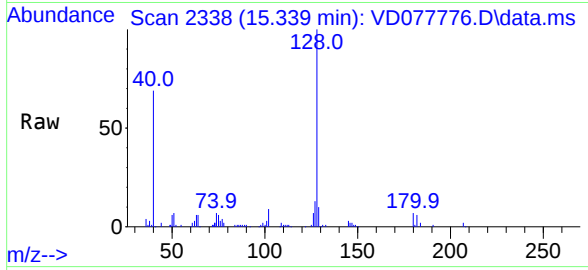
Tgt Ion:180 Resp: 435067
Ion Ratio Lower Upper
180 100
182 96.1 77.0 115.4
184 31.2 24.3 36.5
145 28.3 23.4 35.0





#71
Naphthalene
Concen: 7.970 ug/L
RT: 15.339 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD077776.D
Acq: 07 Dec 2023 15:18

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 73651

Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.5	15.7
129	11.7	8.7	13.1

