

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092123\
 Data File : VD077184.D
 Acq On : 21 Sep 2023 16:47
 Operator : JC/SY
 Sample : 04527-03
 Misc : 6.28G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 01:33:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 22 01:29:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	7941	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.587	117	8706	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	4695	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	3532	18.051	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.200%
7) Chloroethane-d5	2.805	69	2608	16.208	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.840%
11) 1,1-Dichloroethene-d2	3.928	65	525	11.811	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	47.240%
21) 2-Butanone-d5	6.987	46	4031	163.528	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	327.060%#
24) Chloroform-d	7.563	84	5628	25.901	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	8.228	65	2564	24.896	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	8.204	84	10286	21.391	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.560%
36) 1,2-Dichloropropane-d6	9.204	67	3683	26.709	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.840%
41) Toluene-d8	10.263	98	7414	16.844	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	67.360%
43) trans-1,3-Dichloroprop...	10.522	79	815	12.972	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	51.880%
47) 2-Hexanone-d5	10.881	63	2085	94.670	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	189.340%#
56) 1,1,2,2-Tetrachloroeth...	12.645	84	5915	48.116	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	192.480%#
66) 1,2-Dichlorobenzene-d4	13.816	152	3671	24.360	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.440%
Target Compounds						Qvalue
3) Chloromethane	2.146	50	369	2.135	ug/L	# 41
6) Bromomethane	2.693	94	229	1.617	ug/L	78
13) Acetone	4.005	43	463	13.093	ug/L	86
14) Carbon disulfide	4.263	76	274	0.794	ug/L	# 74
16) Methylene chloride	4.805	84	486	3.007	ug/L	# 78
19) 1,1-Dichloroethane	6.110	63	739	3.775	ug/L	# 49
22) 2-Butanone	7.099	43	153	3.586	ug/L	# 43
35) Methylcyclohexane	9.275	83	218	1.019	ug/L	# 22
37) 1,2-Dichloropropane	9.210	63	339	2.570	ug/L	# 85
48) 2-Hexanone	10.887	43	386	6.904	ug/L	# 33
52) Ethylbenzene	11.687	91	1127	1.838	ug/L	# 83
53) m,p-Xylene	11.792	106	2412	10.190	ug/L	72
54) o-Xylene	12.116	106	4982	21.804	ug/L	83
60) Isopropylbenzene	12.428	105	4175	6.899	ug/L	# 1
61) 1,2,3-Trichloropropane	13.516	75	393	4.385	ug/L	# 52
62) 1,3,5-Trimethylbenzene	12.904	105	6788	14.504	ug/L	91
63) 1,2,4-Trimethylbenzene	13.216	105	8945	19.508	ug/L	89
71) Naphthalene	15.339	128	6777	20.848	ug/L	# 77

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Instrument :
MSVOA_D
ClientSampleId :

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Quant Title : SFAM01.0
QLast Update : Fri Sep 22 01:29:35 2023
Response via : Initial Calibration

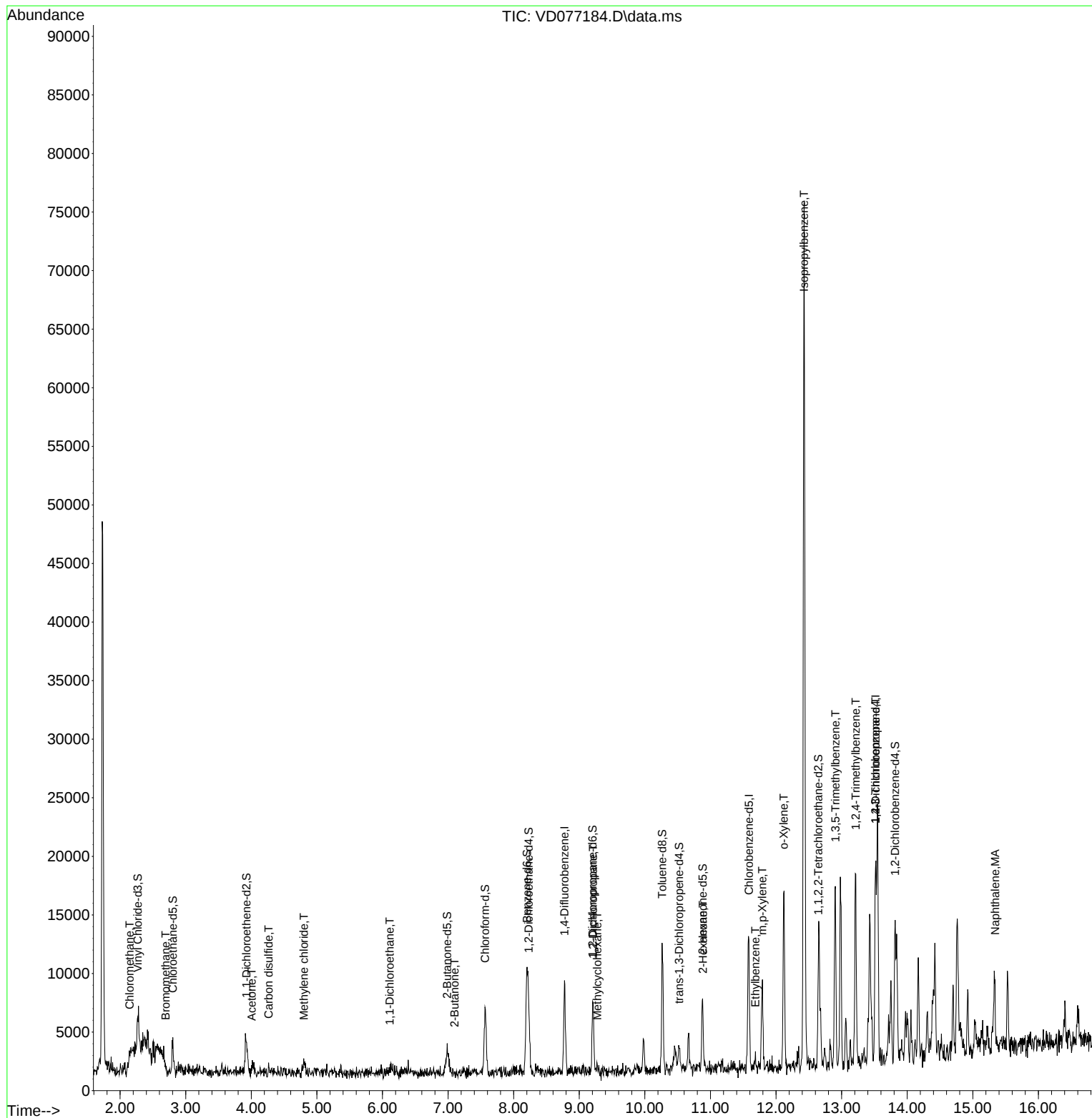
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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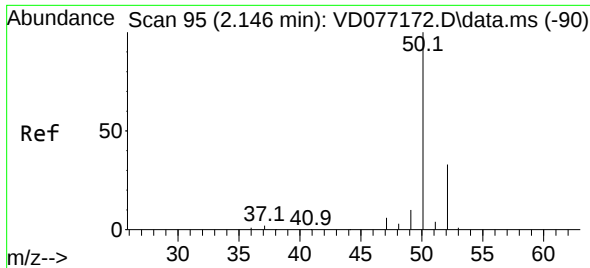
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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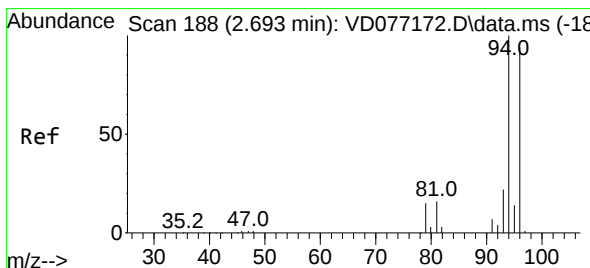
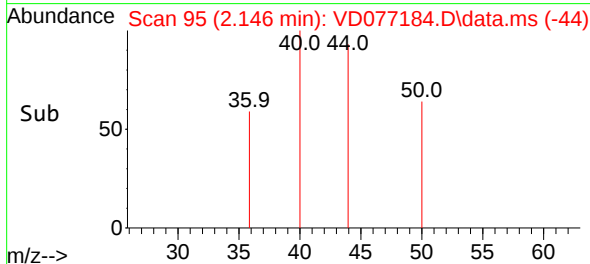
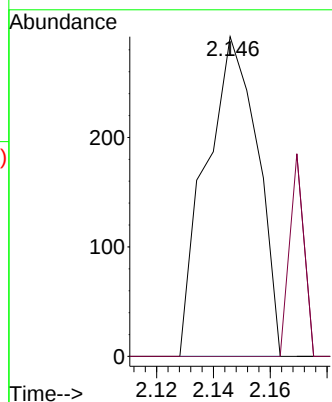
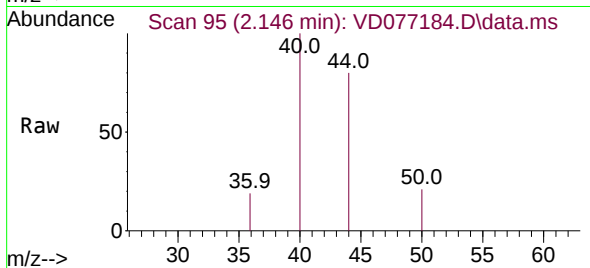




#3
Chloromethane
Concen: 2.135 ug/L
RT: 2.146 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD077184.D
Acq: 21 Sep 2023 16:47

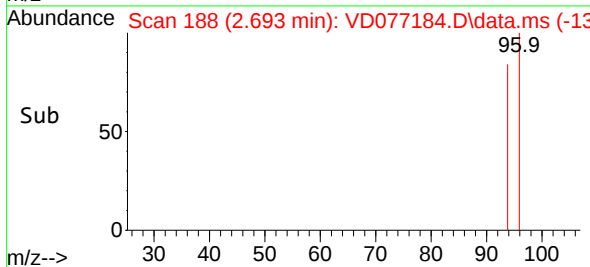
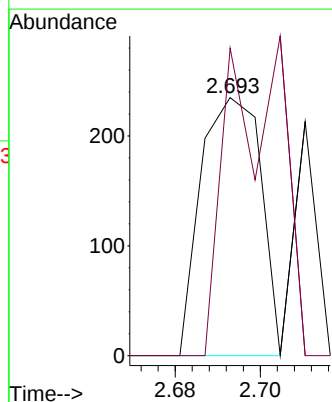
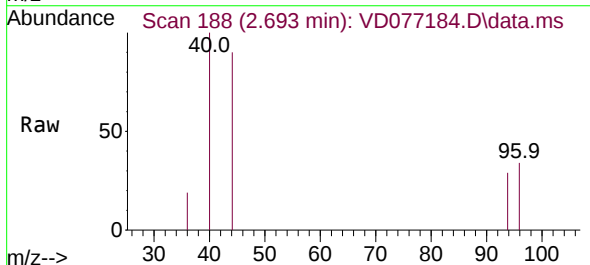
Instrument :
MSVOA_D
ClientSampleId :

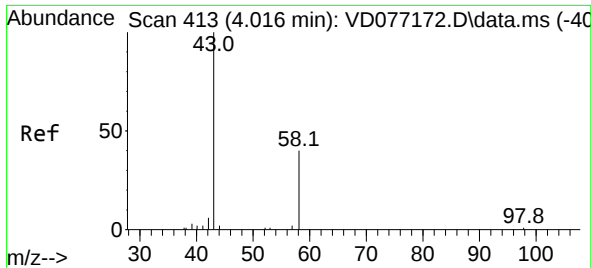
Tgt Ion: 50 Resp: 369
Ion Ratio Lower Upper
50 100
52 0.0 23.5 43.7#



#6
Bromomethane
Concen: 1.617 ug/L
RT: 2.693 min Scan# 188
Delta R.T. -0.000 min
Lab File: VD077184.D
Acq: 21 Sep 2023 16:47

Tgt Ion: 94 Resp: 229
Ion Ratio Lower Upper
94 100
96 119.1 68.2 126.6





#13

Acetone

Concen: 13.093 ug/L

RT: 4.005 min Scan# 411

Delta R.T. -0.012 min

Lab File: VD077184.D

Acq: 21 Sep 2023 16:47

Instrument :

MSVOA_D

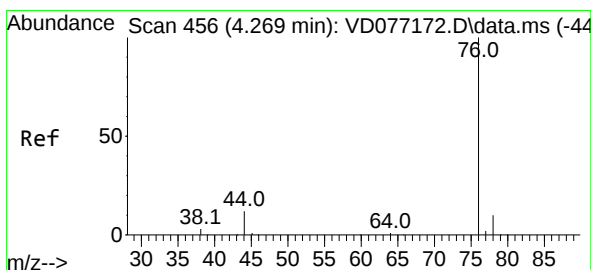
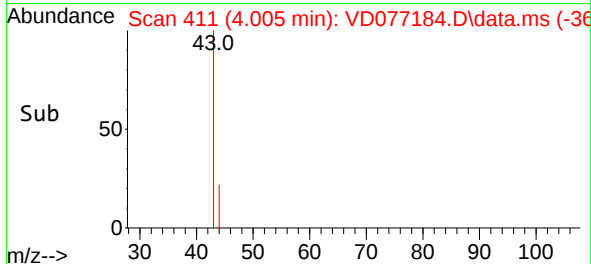
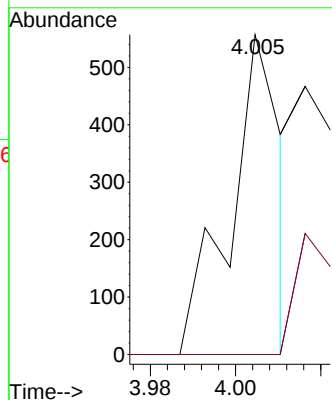
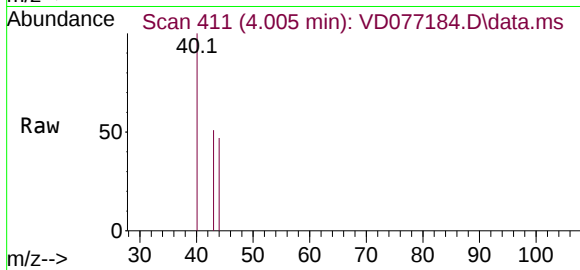
ClientSampleId :

Tgt Ion: 43 Resp: 463

Ion Ratio Lower Upper

43 100

58 27.6 0.0 71.8



#14

Carbon disulfide

Concen: 0.794 ug/L

RT: 4.263 min Scan# 455

Delta R.T. -0.006 min

Lab File: VD077184.D

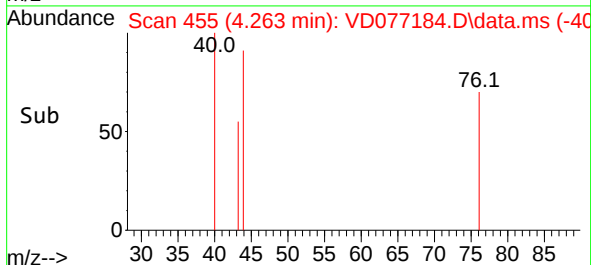
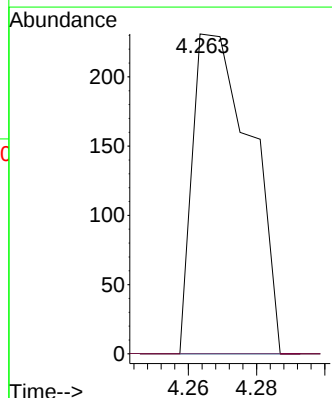
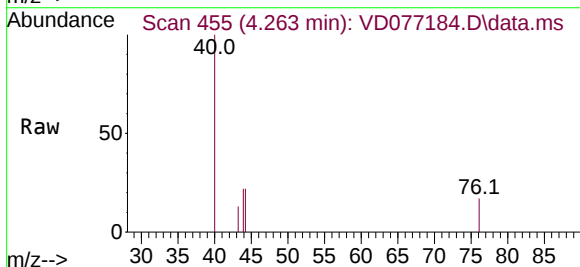
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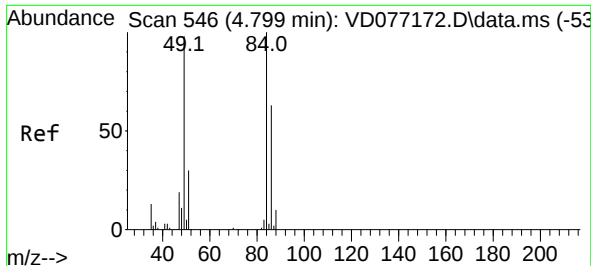
Tgt Ion: 76 Resp: 274

Ion Ratio Lower Upper

76 100

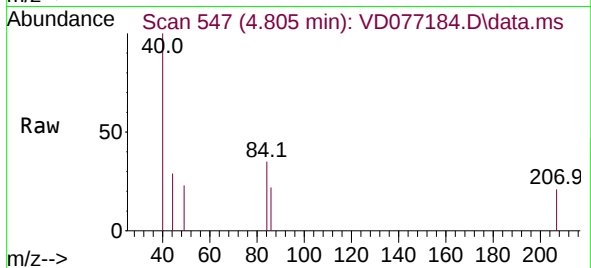
78 0.0 7.5 11.3#



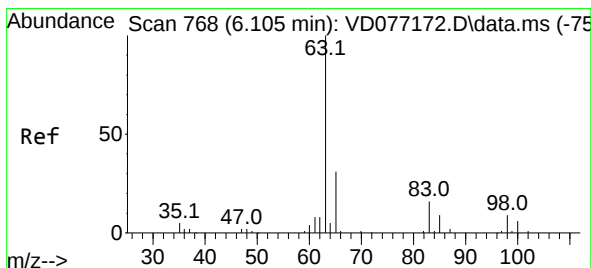
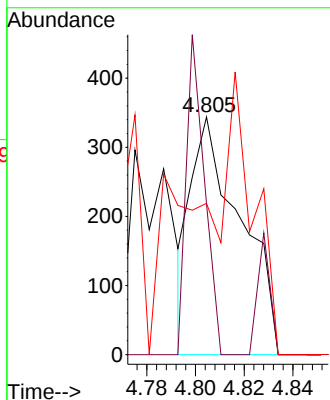
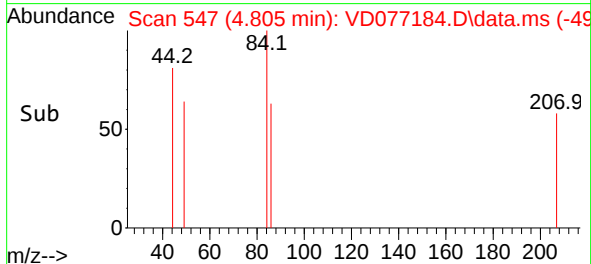


#16
Methylene chloride
Concen: 3.007 ug/L
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD077184.D
Acq: 21 Sep 2023 16:47

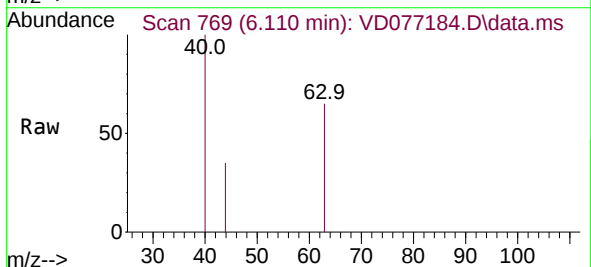
Instrument :
MSVOA_D
ClientSampleId :



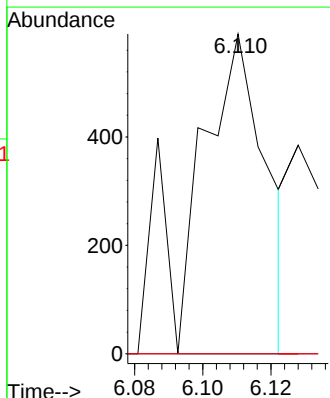
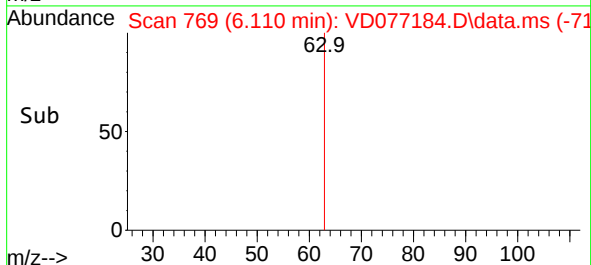
Tgt Ion: 84 Resp: 486
Ion Ratio Lower Upper
84 100
86 63.4 45.3 84.1
49 63.7 69.2 128.6#

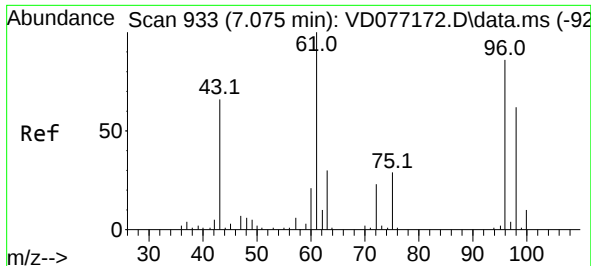


#19
1,1-Dichloroethane
Concen: 3.775 ug/L
RT: 6.110 min Scan# 769
Delta R.T. 0.006 min
Lab File: VD077184.D
Acq: 21 Sep 2023 16:47



Tgt Ion: 63 Resp: 739
Ion Ratio Lower Upper
63 100
65 0.0 22.5 41.9#
83 0.0 9.9 18.5#

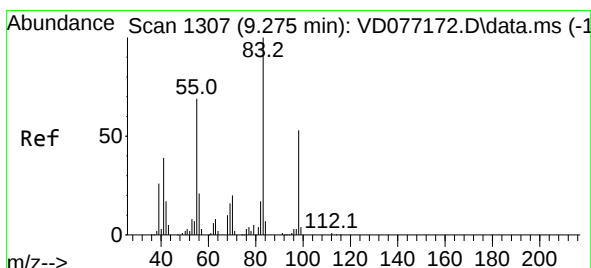
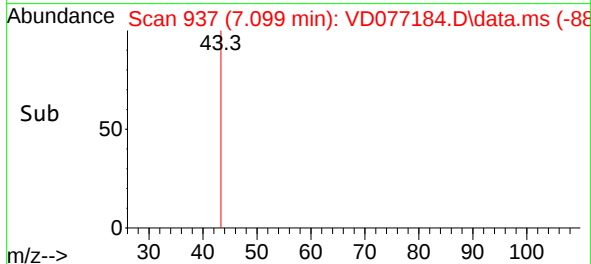
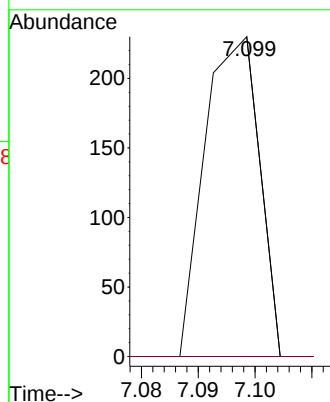
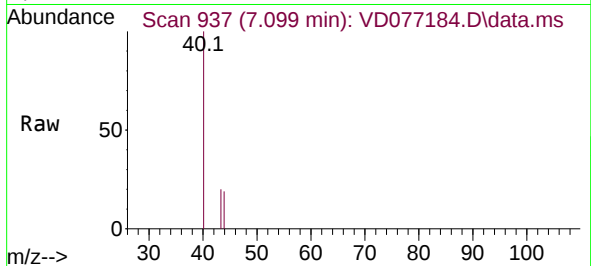




#22
2-Butanone
Concen: 3.586 ug/L
RT: 7.099 min Scan# 91
Delta R.T. 0.023 min
Lab File: VD077184.D
Acq: 21 Sep 2023 16:47

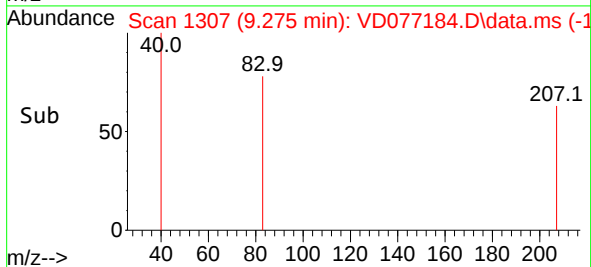
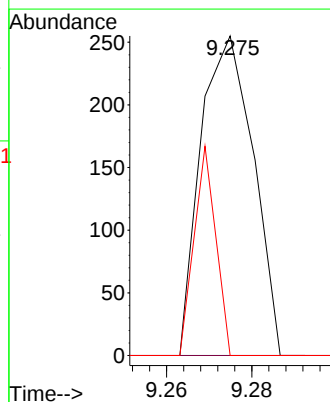
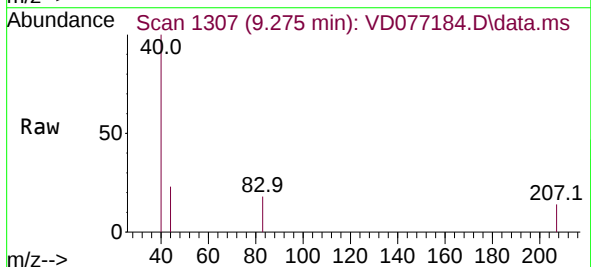
Instrument :
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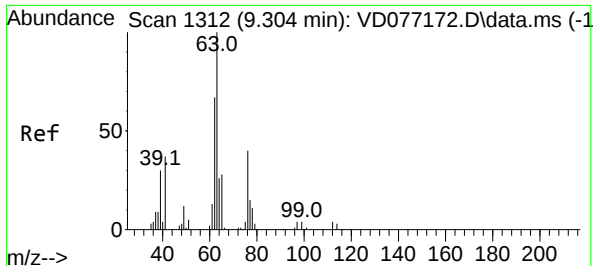
Tgt Ion: 43 Resp: 153
Ion Ratio Lower Upper
43 100
72 0.0 16.0 48.0#



#35
Methylcyclohexane
Concen: 1.019 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD077184.D
Acq: 21 Sep 2023 16:47

Tgt Ion: 83 Resp: 218
Ion Ratio Lower Upper
83 100
55 0.0 51.5 77.3#
98 0.0 40.7 61.1#

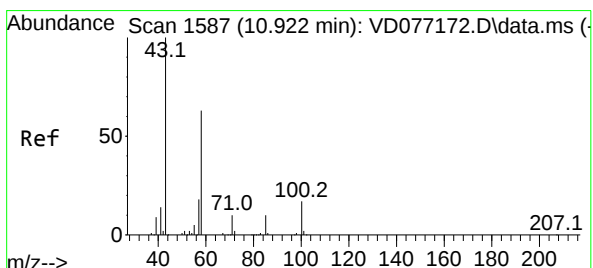
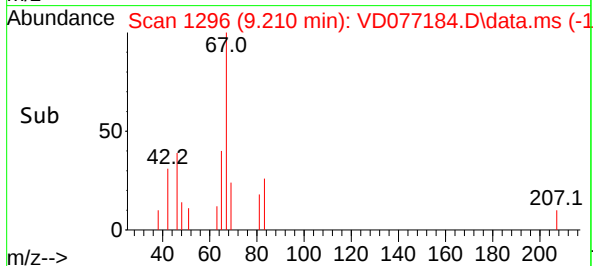
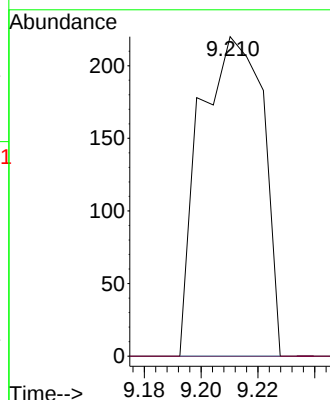
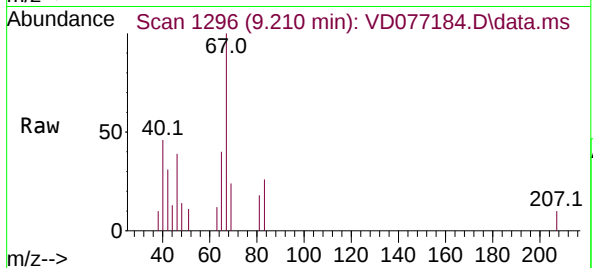




#37
1,2-Dichloropropane
Concen: 2.570 ug/L
RT: 9.210 min Scan# 11
Delta R.T. -0.094 min
Lab File: VD077184.D
Acq: 21 Sep 2023 16:47

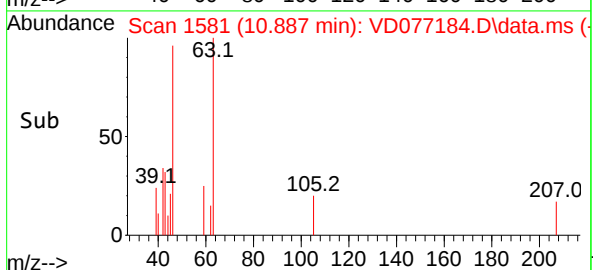
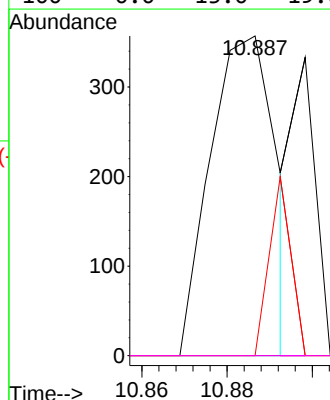
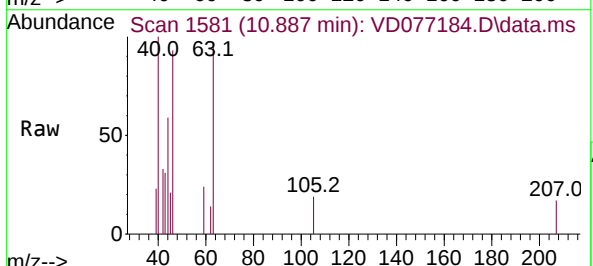
Instrument :
MSVOA_D
ClientSampleId :

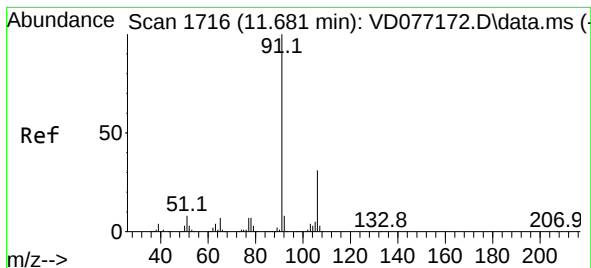
Tgt Ion: 63 Resp: 339
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#



#48
2-Hexanone
Concen: 6.904 ug/L
RT: 10.887 min Scan# 1581
Delta R.T. -0.035 min
Lab File: VD077184.D
Acq: 21 Sep 2023 16:47

Tgt Ion: 43 Resp: 386
Ion Ratio Lower Upper
43 100
58 0.0 50.6 75.8#
57 0.0 16.6 24.8#
100 0.0 13.0 19.6#





#52

Ethylbenzene

Concen: 1.838 ug/L

RT: 11.687 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VD077184.D

Acq: 21 Sep 2023 16:47

Instrument :

MSVOA_D

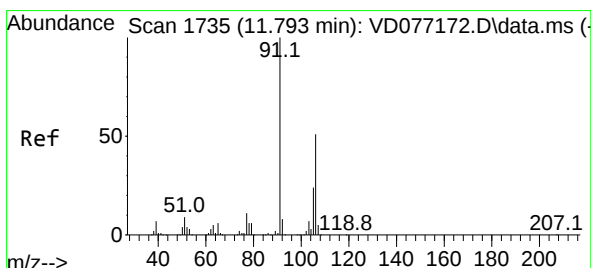
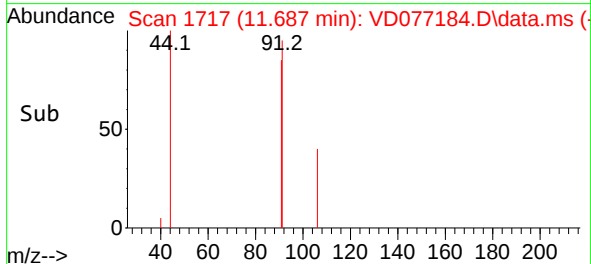
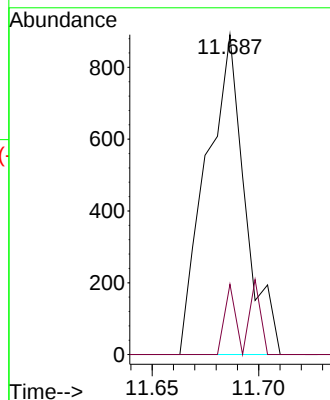
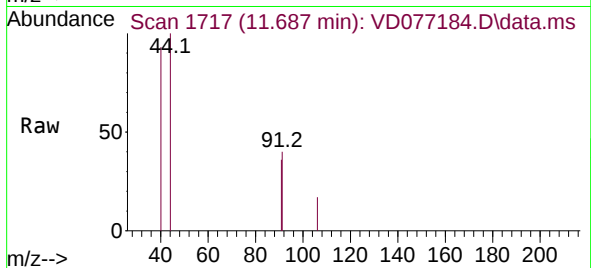
ClientSampleId :

Tgt Ion: 91 Resp: 1127

Ion Ratio Lower Upper

91 100

106 22.0 22.1 41.1#



#53

m,p-Xylene

Concen: 10.190 ug/L

RT: 11.792 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VD077184.D

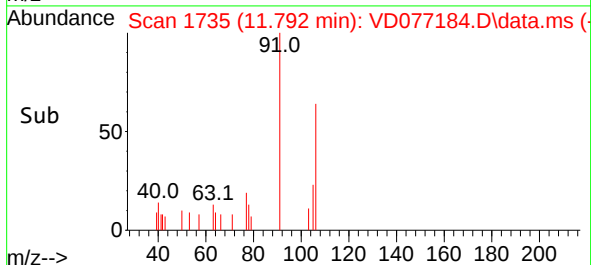
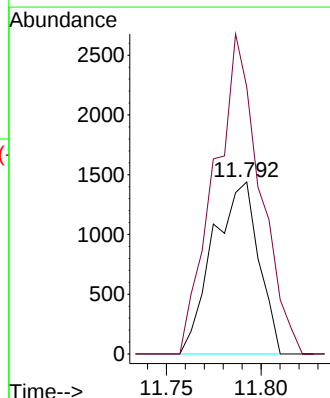
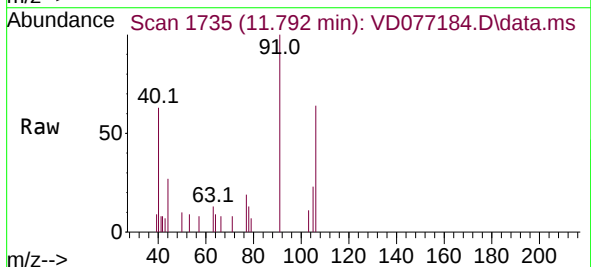
Acq: 21 Sep 2023 16:47

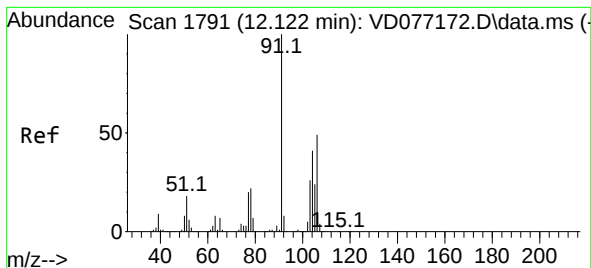
Tgt Ion:106 Resp: 2412

Ion Ratio Lower Upper

106 100

91 155.1 138.2 256.6





#54

o-Xylene

Concen: 21.804 ug/L

RT: 12.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD077184.D

Acq: 21 Sep 2023 16:47

Instrument :

MSVOA_D

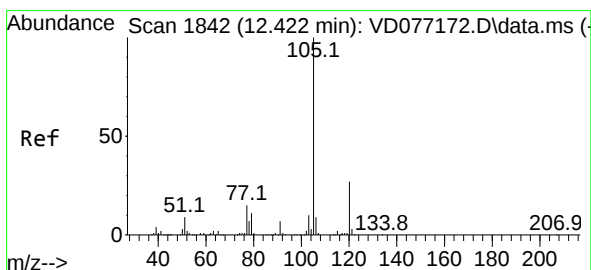
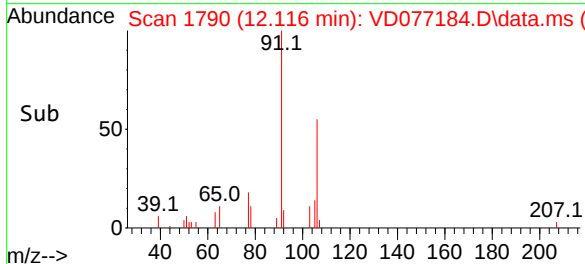
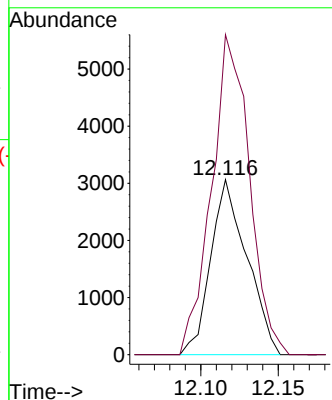
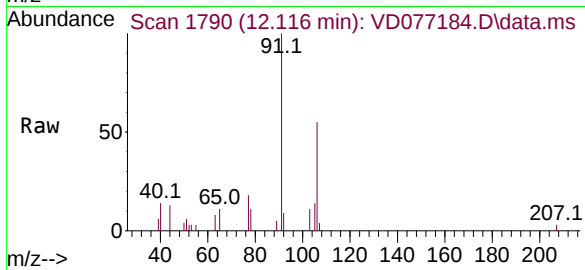
ClientSampleId :

Tgt Ion:106 Resp: 4982

Ion Ratio Lower Upper

106 100

91 182.8 146.9 272.7



#60

Isopropylbenzene

Concen: 6.899 ug/L

RT: 12.428 min Scan# 1843

Delta R.T. 0.006 min

Lab File: VD077184.D

Acq: 21 Sep 2023 16:47

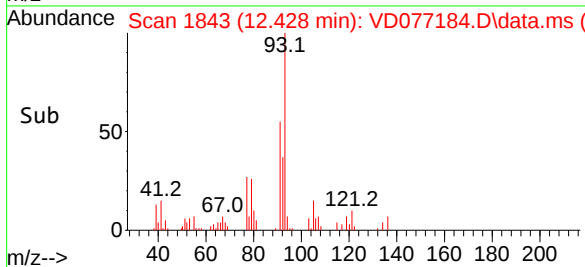
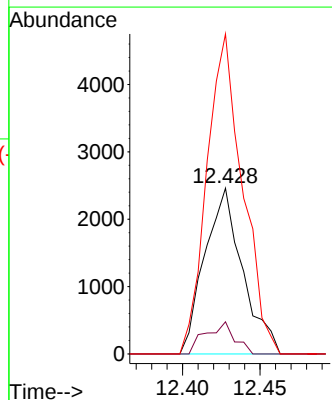
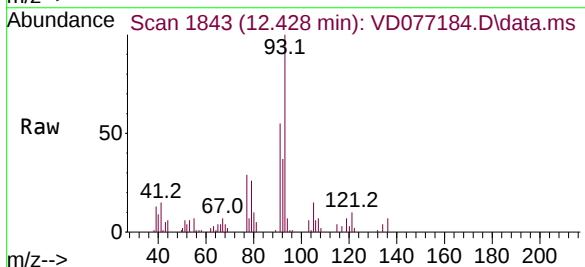
Tgt Ion:105 Resp: 4175

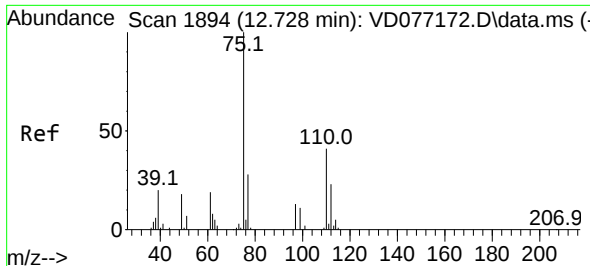
Ion Ratio Lower Upper

105 100

120 9.7 21.8 32.6#

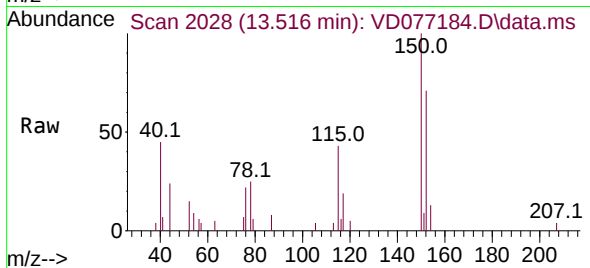
77 182.6 11.9 17.9#



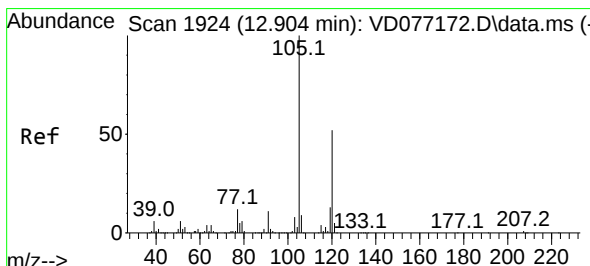
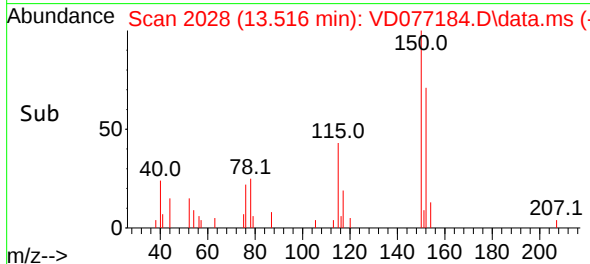
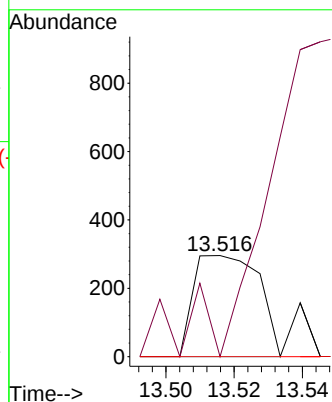


#61
1,2,3-Trichloropropane
Concen: 4.385 ug/L
RT: 13.516 min Scan# 20
Delta R.T. 0.788 min
Lab File: VD077184.D
Acq: 21 Sep 2023 16:47

Instrument :
MSVOA_D
ClientSampleId :

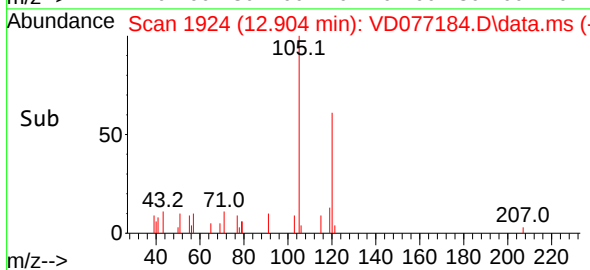
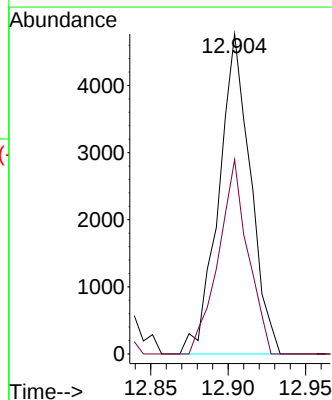
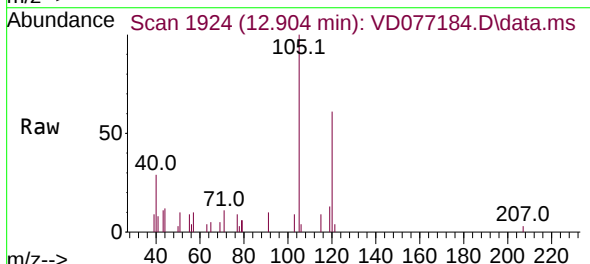


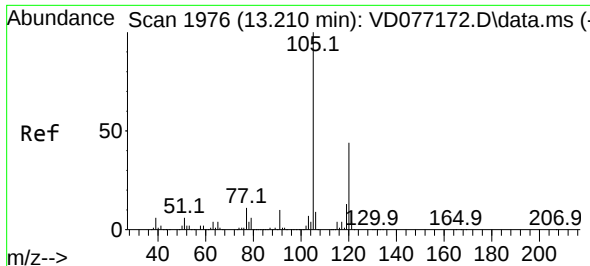
Tgt Ion: 75 Resp: 393
Ion Ratio Lower Upper
75 100
77 19.3 26.6 40.0#
110 0.0 33.6 50.4#



#62
1,3,5-Trimethylbenzene
Concen: 14.504 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD077184.D
Acq: 21 Sep 2023 16:47

Tgt Ion: 105 Resp: 6788
Ion Ratio Lower Upper
105 100
120 56.5 40.2 60.2

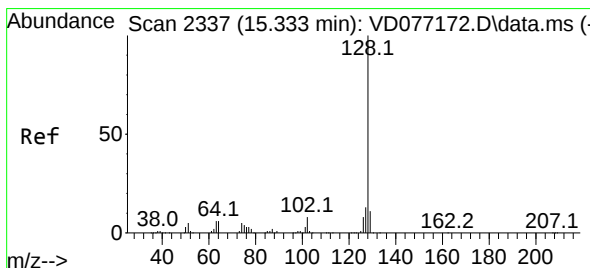
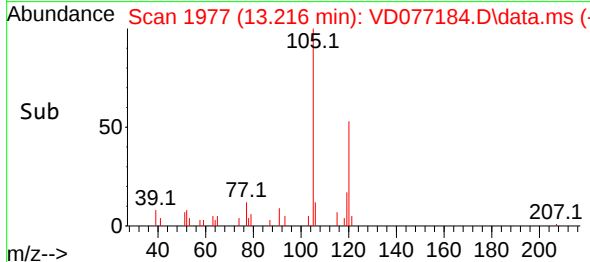
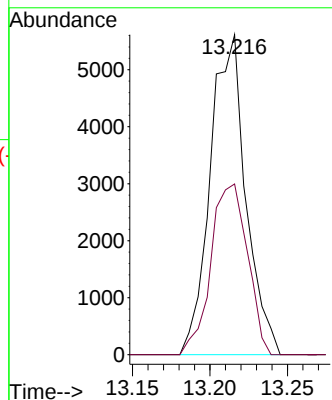
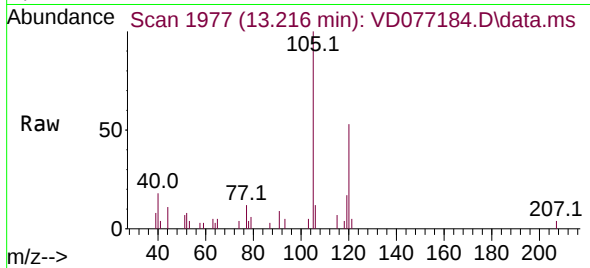




#63
1,2,4-Trimethylbenzene
Concen: 19.508 ug/L
RT: 13.216 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD077184.D
Acq: 21 Sep 2023 16:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:105 Resp: 8945
Ion Ratio Lower Upper
105 100
120 55.0 37.8 56.8



#71
Naphthalene
Concen: 20.848 ug/L
RT: 15.339 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VD077184.D
Acq: 21 Sep 2023 16:47

Tgt Ion:128 Resp: 6777
Ion Ratio Lower Upper
128 100
127 4.9 10.6 16.0#
129 1.4 8.6 13.0#

