

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077419.D
 Acq On : 25 Oct 2023 17:29
 Operator : JC/SY
 Sample : 05005-02RE
 Misc : 4.77G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 N-4(0-5)RE

Quant Time: Oct 26 07:02:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

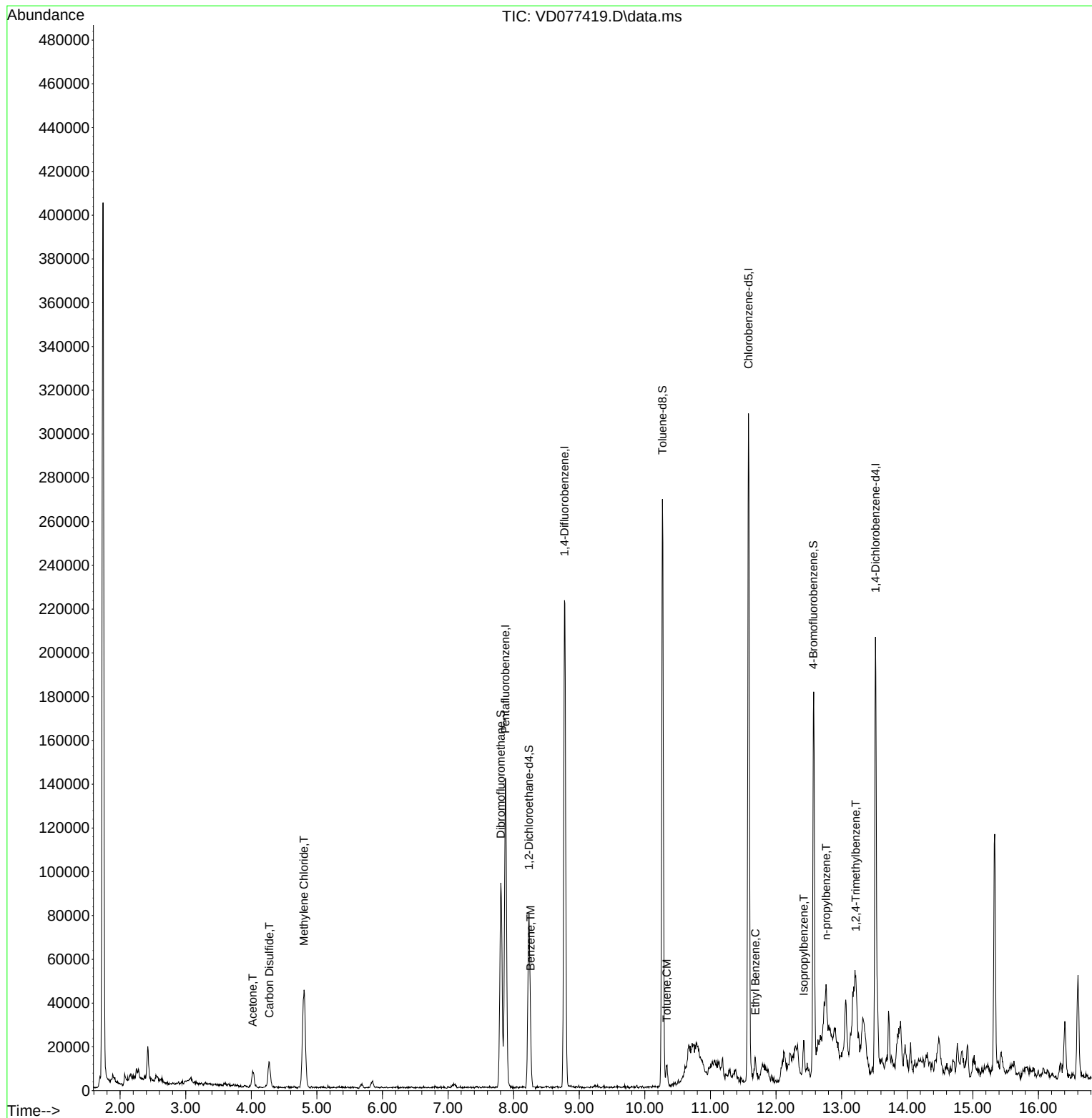
Internal Standards						
1) Pentafluorobenzene	7.875	168	113226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	219162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	194538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	57269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	54785	54.187	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.380%	
35) Dibromofluoromethane	7.804	113	69895	45.395	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.780%	
50) Toluene-d8	10.269	98	192629	34.933	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 69.860%	
62) 4-Bromofluorobenzene	12.569	95	51852	32.667	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 65.340%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	12320	55.568	ug/l	99
17) Carbon Disulfide	4.275	76	23311	6.083	ug/l	96
20) Methylene Chloride	4.805	84	39802	27.516	ug/l	95
40) Benzene	8.257	78	19219	3.130	ug/l	92
52) Toluene	10.334	92	4875	1.216	ug/l	84
67) Ethyl Benzene	11.686	91	7485	1.065	ug/l	94
73) Isopropylbenzene	12.422	105	9376	2.475	ug/l	88
78) n-propylbenzene	12.763	91	15504	3.398	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	4802	1.526	ug/l	90

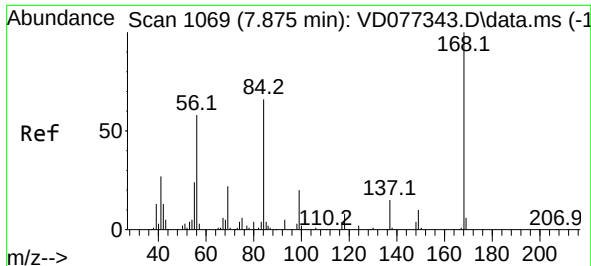
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

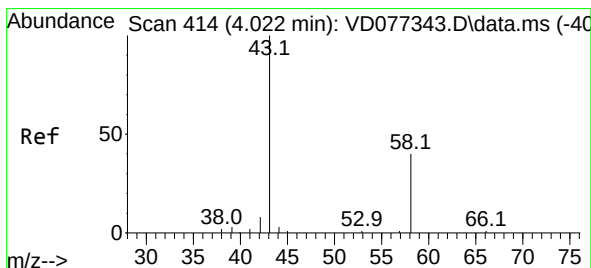
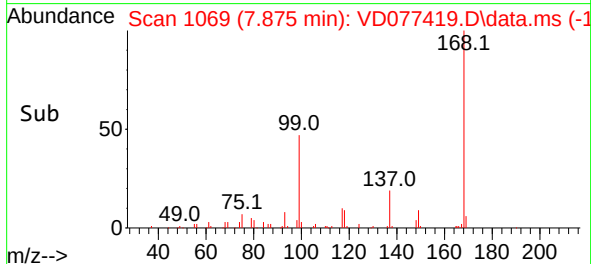
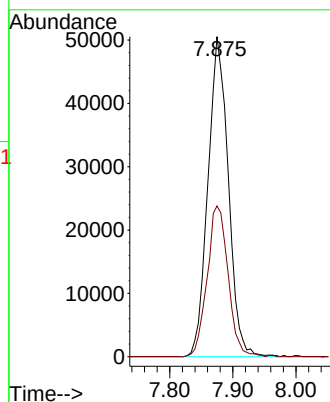
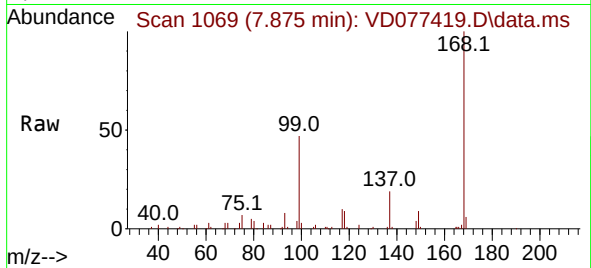




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077419.D
Acq: 25 Oct 2023 17:29

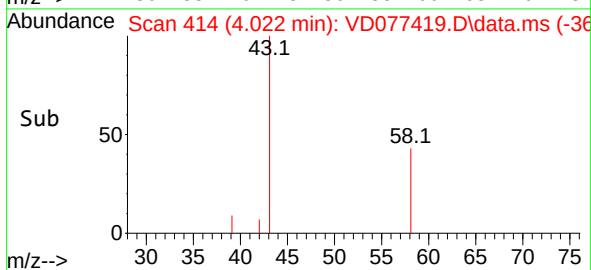
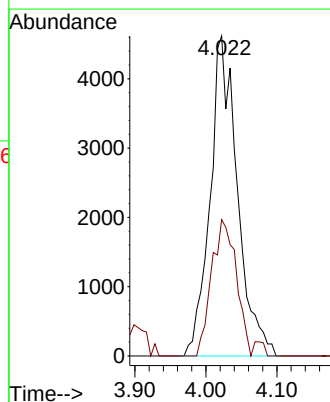
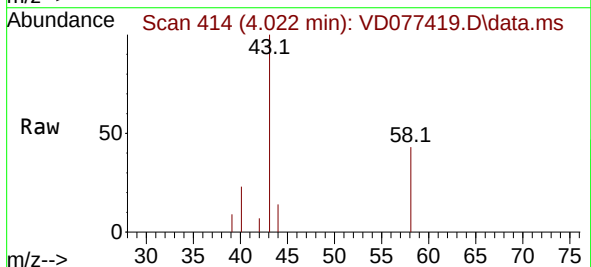
Instrument :
MSVOA_D
ClientSampleId :
N-4(0-5)RE

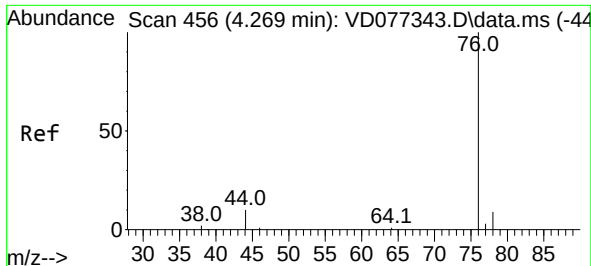
Tgt Ion:168 Resp: 113226
Ion Ratio Lower Upper
168 100
99 47.1 36.7 55.1



#16
Acetone
Concen: 55.568 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077419.D
Acq: 25 Oct 2023 17:29

Tgt Ion: 43 Resp: 12320
Ion Ratio Lower Upper
43 100
58 42.6 34.7 52.1

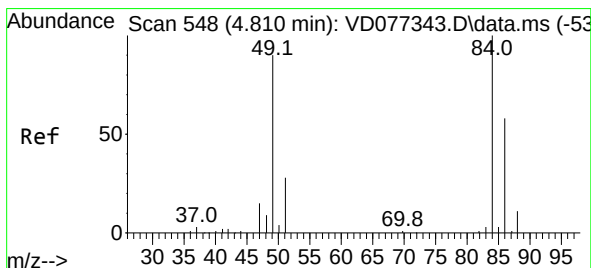
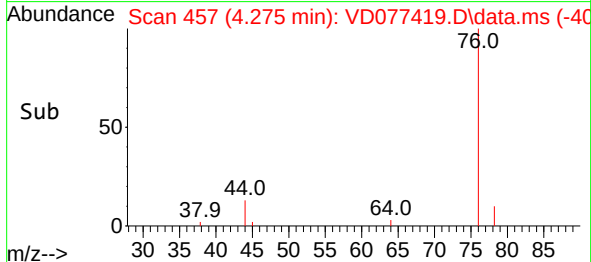
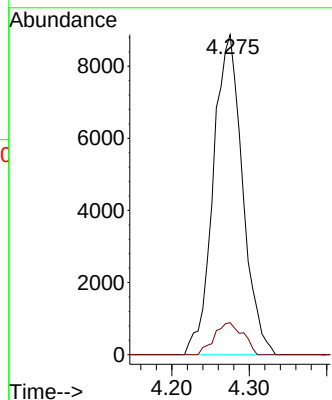
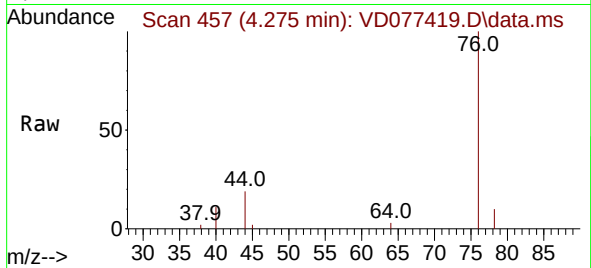




#17
Carbon Disulfide
Concen: 6.083 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077419.D
Acq: 25 Oct 2023 17:29

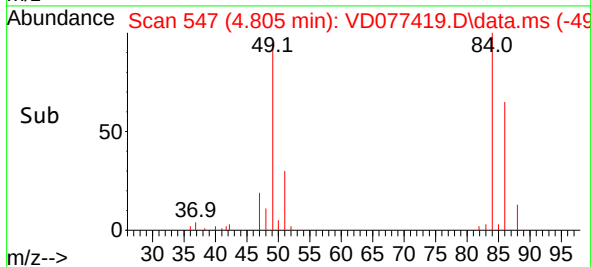
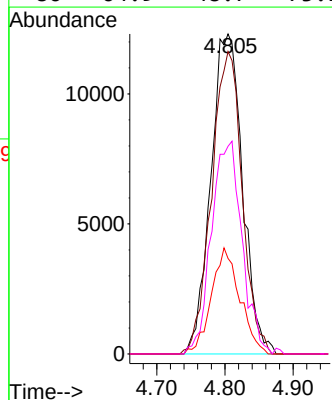
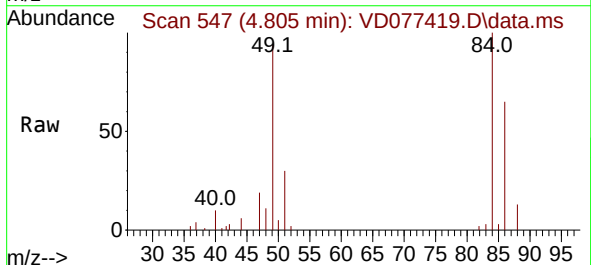
Instrument :
MSVOA_D
ClientSampleId :
N-4(0-5)RE

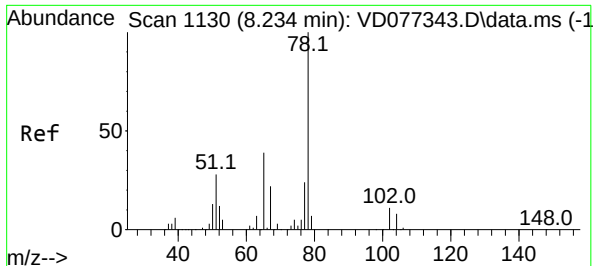
Tgt Ion: 76 Resp: 23311
Ion Ratio Lower Upper
76 100
78 10.0 6.8 10.2



#20
Methylene Chloride
Concen: 27.516 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD077419.D
Acq: 25 Oct 2023 17:29

Tgt Ion: 84 Resp: 39802
Ion Ratio Lower Upper
84 100
49 94.5 71.4 107.2
51 29.9 24.5 36.7
86 64.9 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 54.187 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077419.D

Acq: 25 Oct 2023 17:29

Instrument :

MSVOA_D

ClientSampleId :

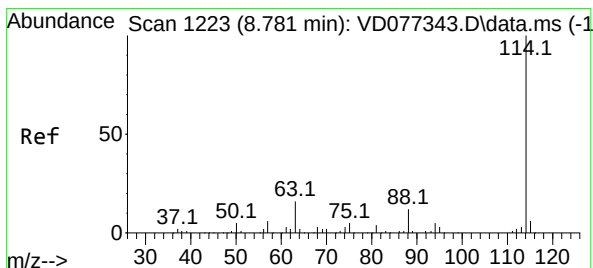
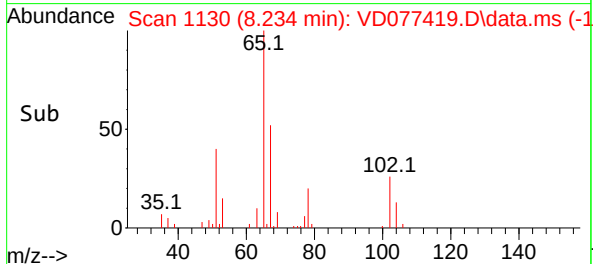
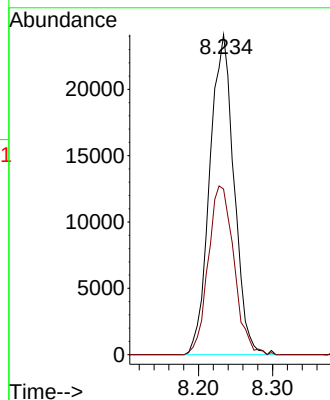
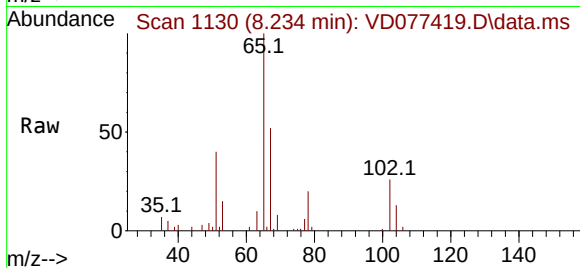
N-4(0-5)RE

Tgt Ion: 65 Resp: 54785

Ion Ratio Lower Upper

65 100

67 56.0 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD077419.D

Acq: 25 Oct 2023 17:29

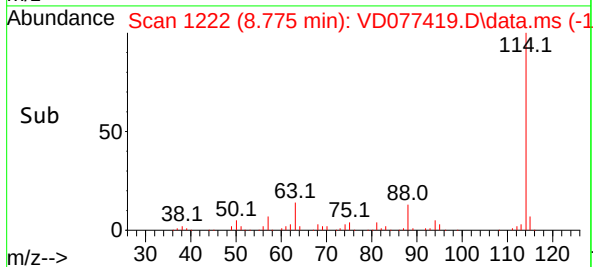
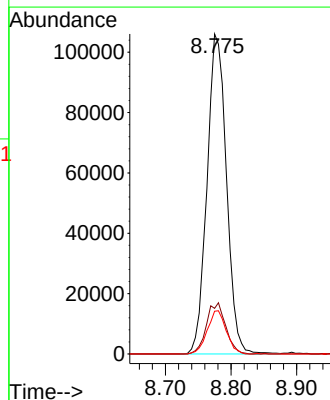
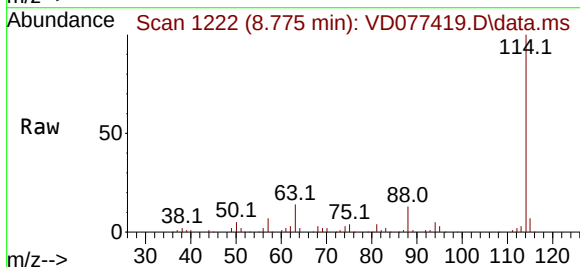
Tgt Ion: 114 Resp: 219162

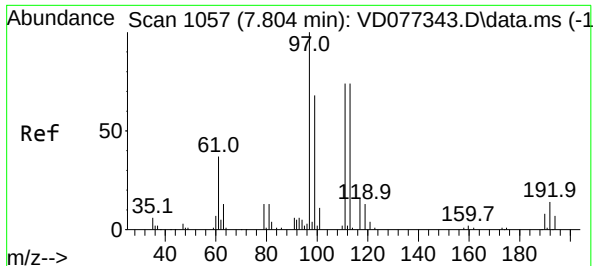
Ion Ratio Lower Upper

114 100

63 14.2 0.0 33.4

88 13.4 0.0 26.2

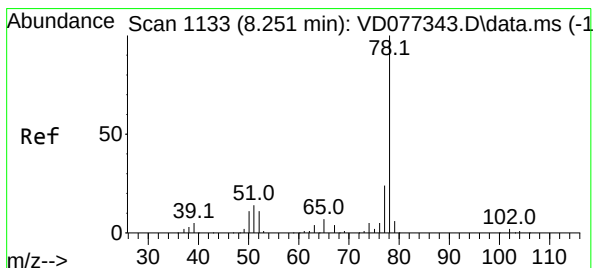
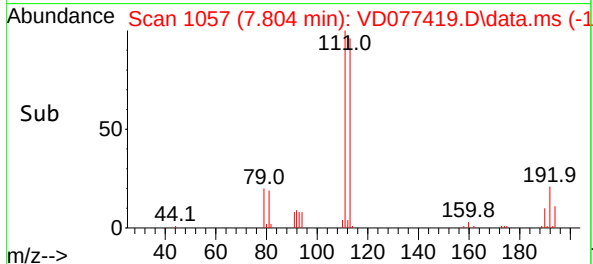
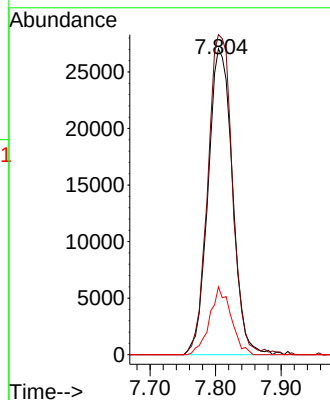
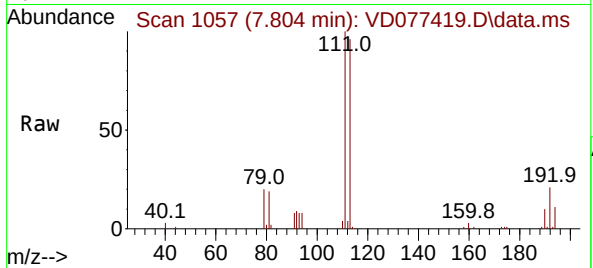




#35
Dibromofluoromethane
Concen: 45.395 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077419.D
Acq: 25 Oct 2023 17:29

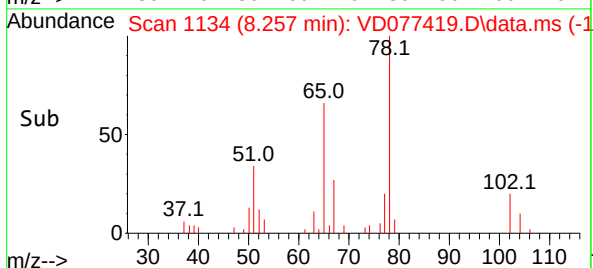
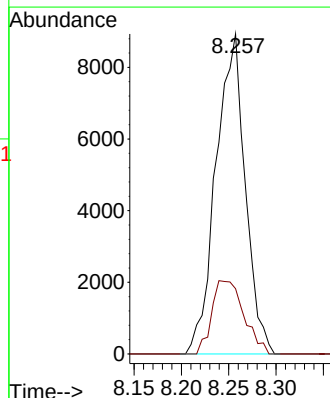
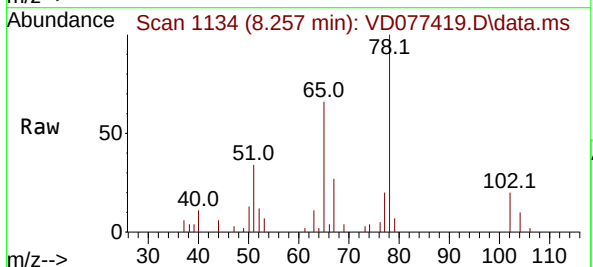
Instrument :
MSVOA_D
ClientSampleId :
N-4(0-5)RE

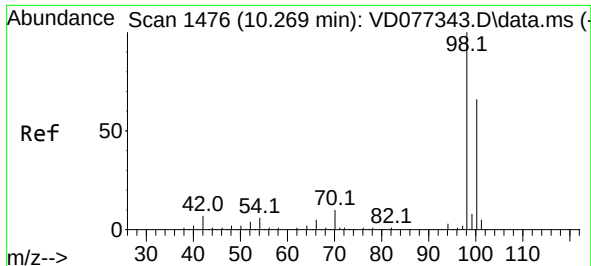
Tgt Ion:	113	Resp:	69895
Ion Ratio	Lower	Upper	
113	100		
111	105.5	84.7	127.1
192	19.5	16.8	25.2



#40
Benzene
Concen: 3.130 ug/l
RT: 8.257 min Scan# 1134
Delta R.T. 0.006 min
Lab File: VD077419.D
Acq: 25 Oct 2023 17:29

Tgt Ion:	78	Resp:	19219
Ion Ratio	Lower	Upper	
78	100		
77	20.4	19.4	29.0

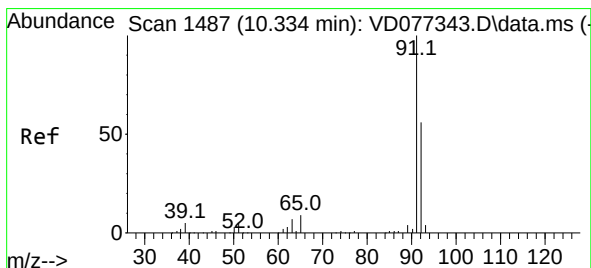
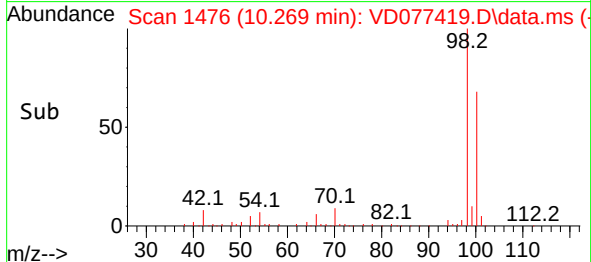
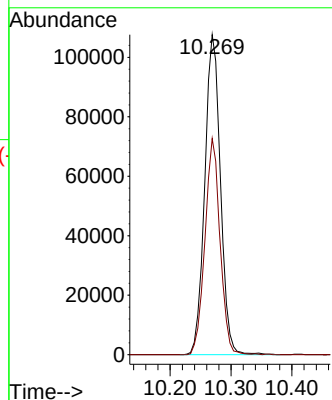
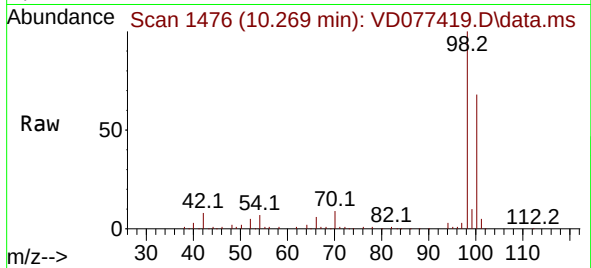




#50
Toluene-d8
Concen: 34.933 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077419.D
Acq: 25 Oct 2023 17:29

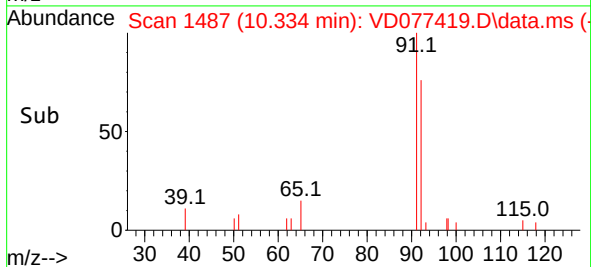
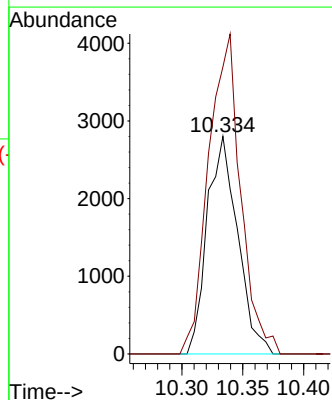
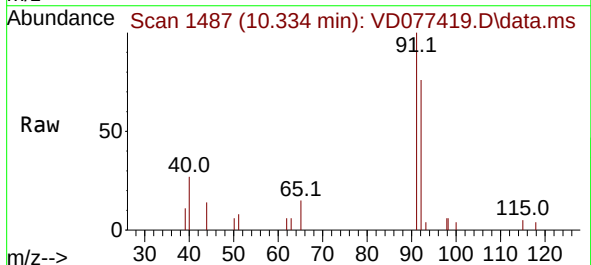
Instrument :
MSVOA_D
ClientSampleId :
N-4(0-5)RE

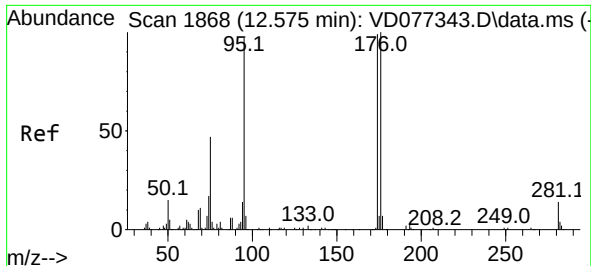
Tgt Ion: 98 Resp: 192629
Ion Ratio Lower Upper
98 100
100 65.0 50.3 75.5



#52
Toluene
Concen: 1.216 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD077419.D
Acq: 25 Oct 2023 17:29

Tgt Ion: 92 Resp: 4875
Ion Ratio Lower Upper
92 100
91 155.4 143.0 214.4





#62

4-Bromofluorobenzene

Concen: 32.667 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VD077419.D

Acq: 25 Oct 2023 17:29

Instrument :

MSVOA_D

ClientSampleId :

N-4(0-5)RE

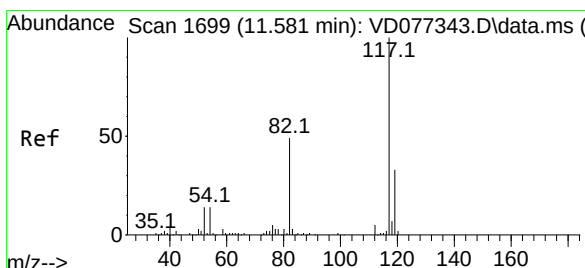
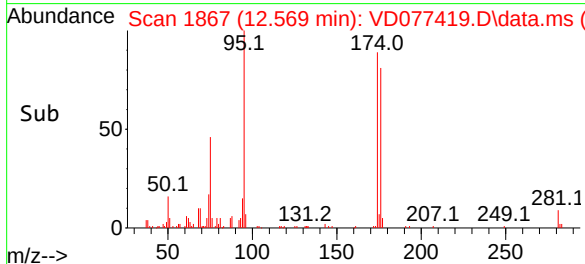
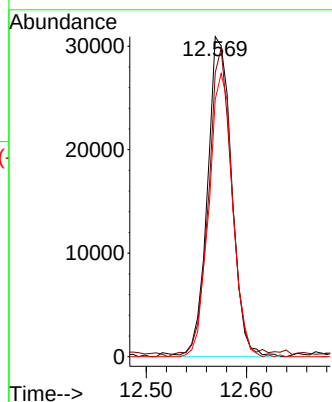
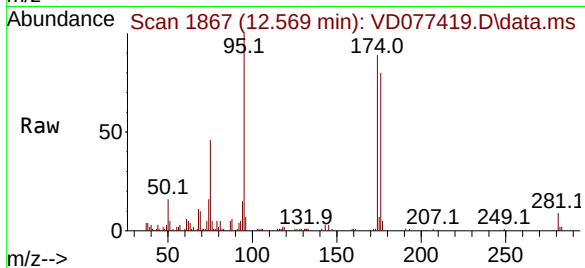
Tgt Ion: 95 Resp: 51852

Ion Ratio Lower Upper

95 100

174 93.9 0.0 201.8

176 87.7 0.0 191.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VD077419.D

Acq: 25 Oct 2023 17:29

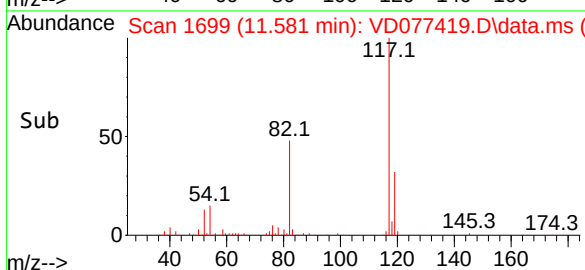
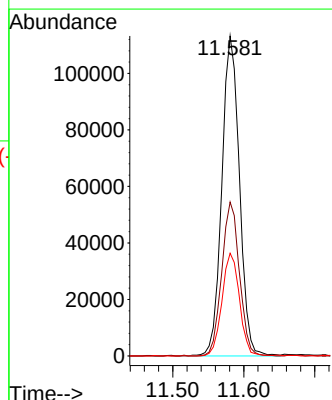
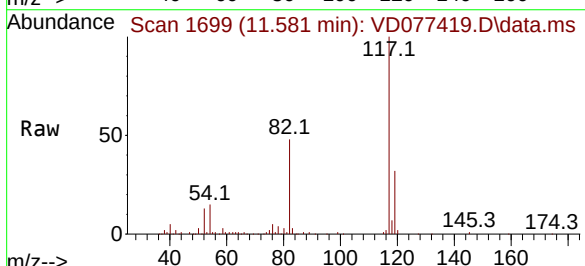
Tgt Ion: 117 Resp: 194538

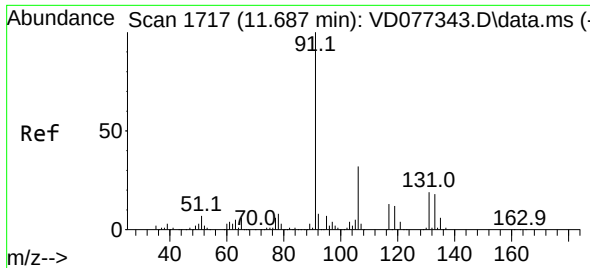
Ion Ratio Lower Upper

117 100

82 48.1 38.3 57.5

119 32.1 25.0 37.4

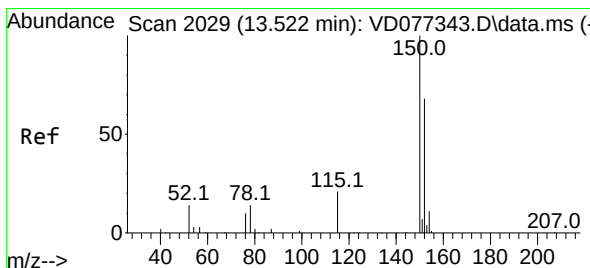
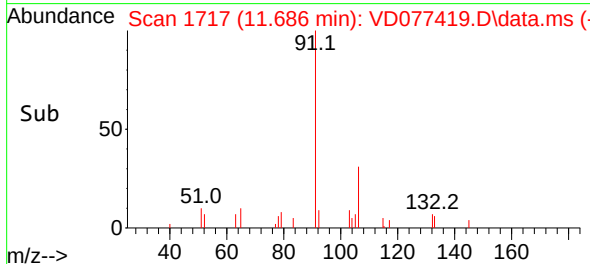
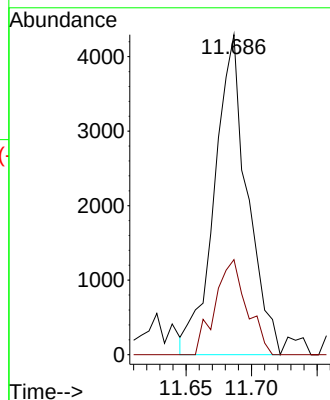
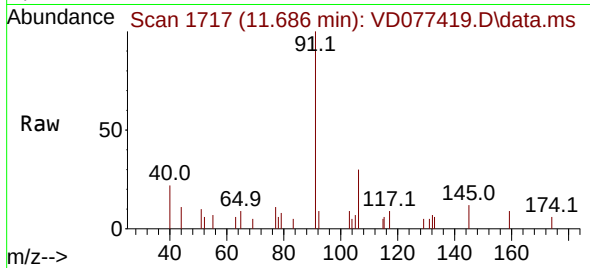




#67
Ethyl Benzene
Concen: 1.065 ug/l
RT: 11.686 min Scan# 11
Delta R.T. -0.001 min
Lab File: VD077419.D
Acq: 25 Oct 2023 17:29

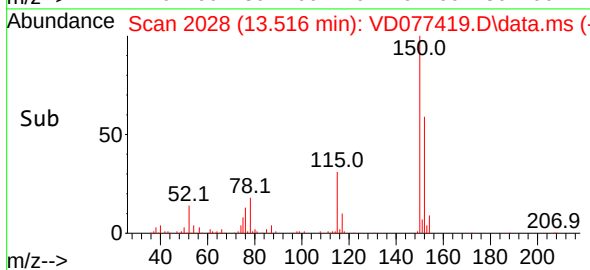
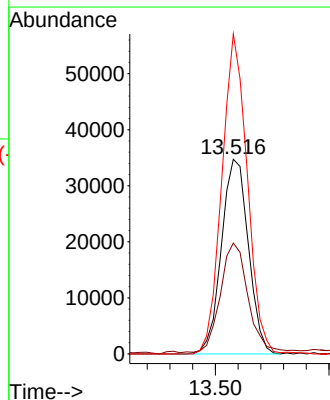
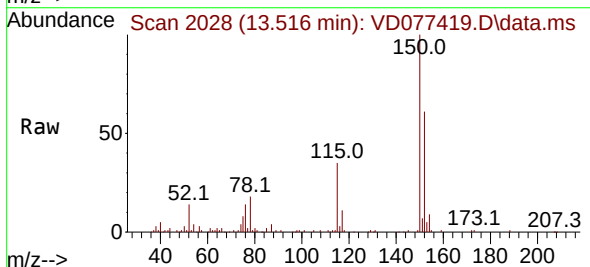
Instrument :
MSVOA_D
ClientSampleId :
N-4(0-5)RE

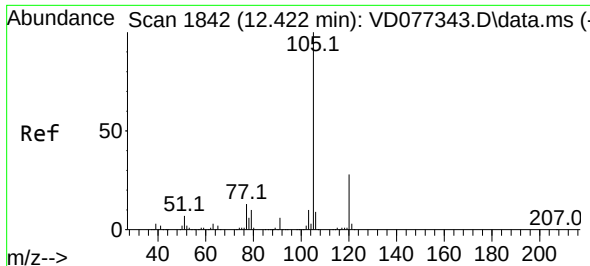
Tgt Ion: 91 Resp: 7485
Ion Ratio Lower Upper
91 100
106 29.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077419.D
Acq: 25 Oct 2023 17:29

Tgt Ion: 152 Resp: 57269
Ion Ratio Lower Upper
152 100
115 57.5 27.1 81.3
150 155.1 0.0 353.6

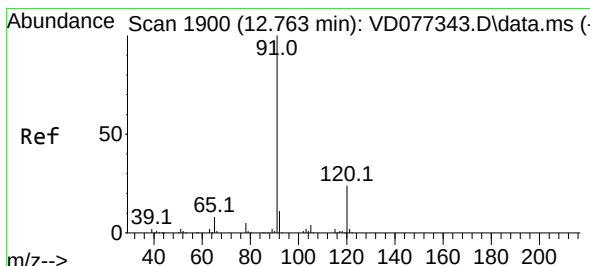
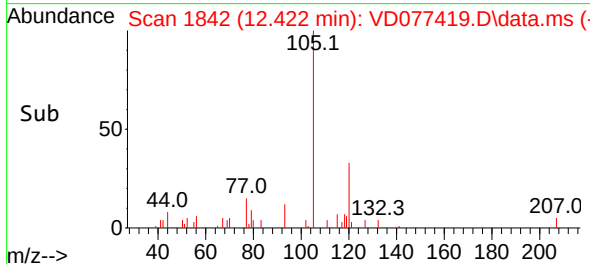
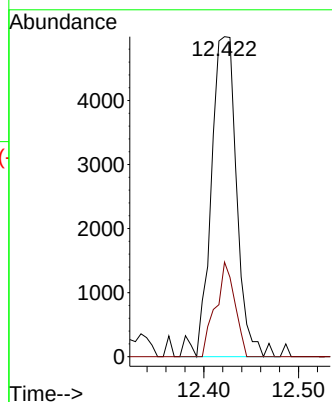
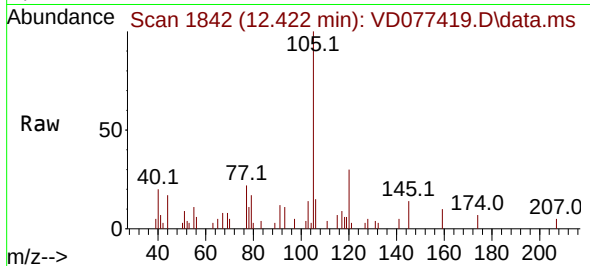




#73
Isopropylbenzene
Concen: 2.475 ug/l
RT: 12.422 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077419.D
Acq: 25 Oct 2023 17:29

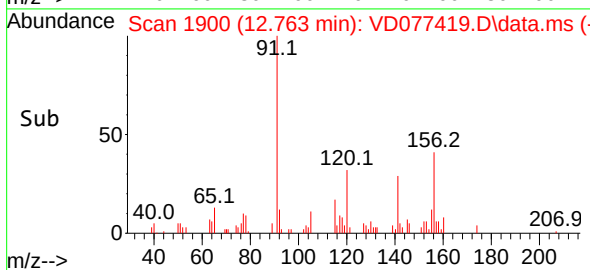
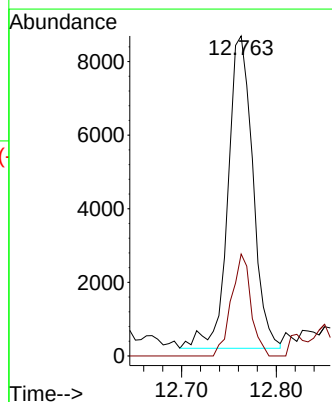
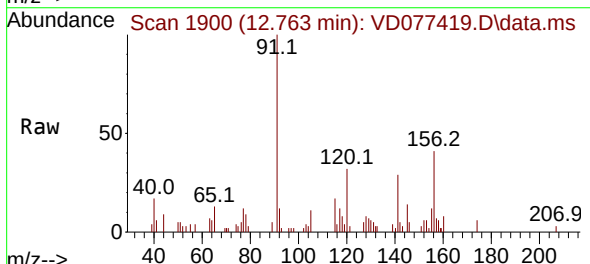
Instrument :
MSVOA_D
ClientSampleId :
N-4(0-5)RE

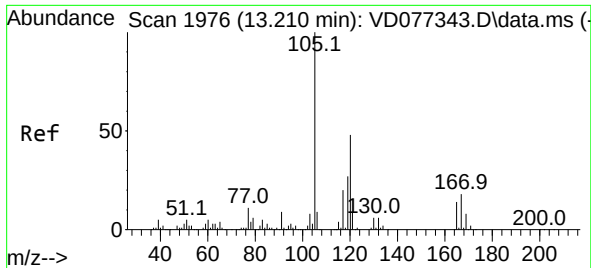
Tgt Ion:105 Resp: 9376
Ion Ratio Lower Upper
105 100
120 22.2 14.3 42.9



#78
n-propylbenzene
Concen: 3.398 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD077419.D
Acq: 25 Oct 2023 17:29

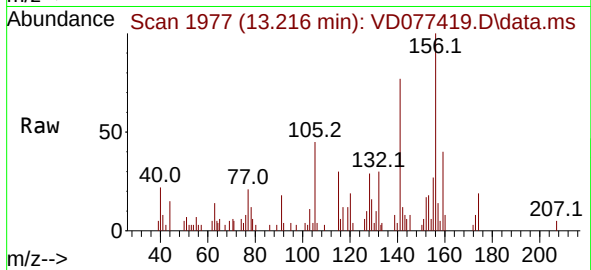
Tgt Ion: 91 Resp: 15504
Ion Ratio Lower Upper
91 100
120 25.5 12.4 37.2





#84
 1,2,4-Trimethylbenzene
 Concen: 1.526 ug/l
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.006 min
 Lab File: VD077419.D
 Acq: 25 Oct 2023 17:29

Instrument :
 MSVOA_D
 ClientSampleId :
 N-4(0-5)RE



Tgt Ion:105 Resp: 4802
 Ion Ratio Lower Upper
 105 100
 120 42.1 24.3 72.9

