

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012723\
 Data File : VD075226.D
 Acq On : 27 Jan 2023 15:27
 Operator : KP/SY
 Sample : 01318-06RE
 Misc : 7.49G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RJ-1-012523

Quant Time: Jan 30 01:03:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 19 01:32:27 2023
 Response via : Initial Calibration

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

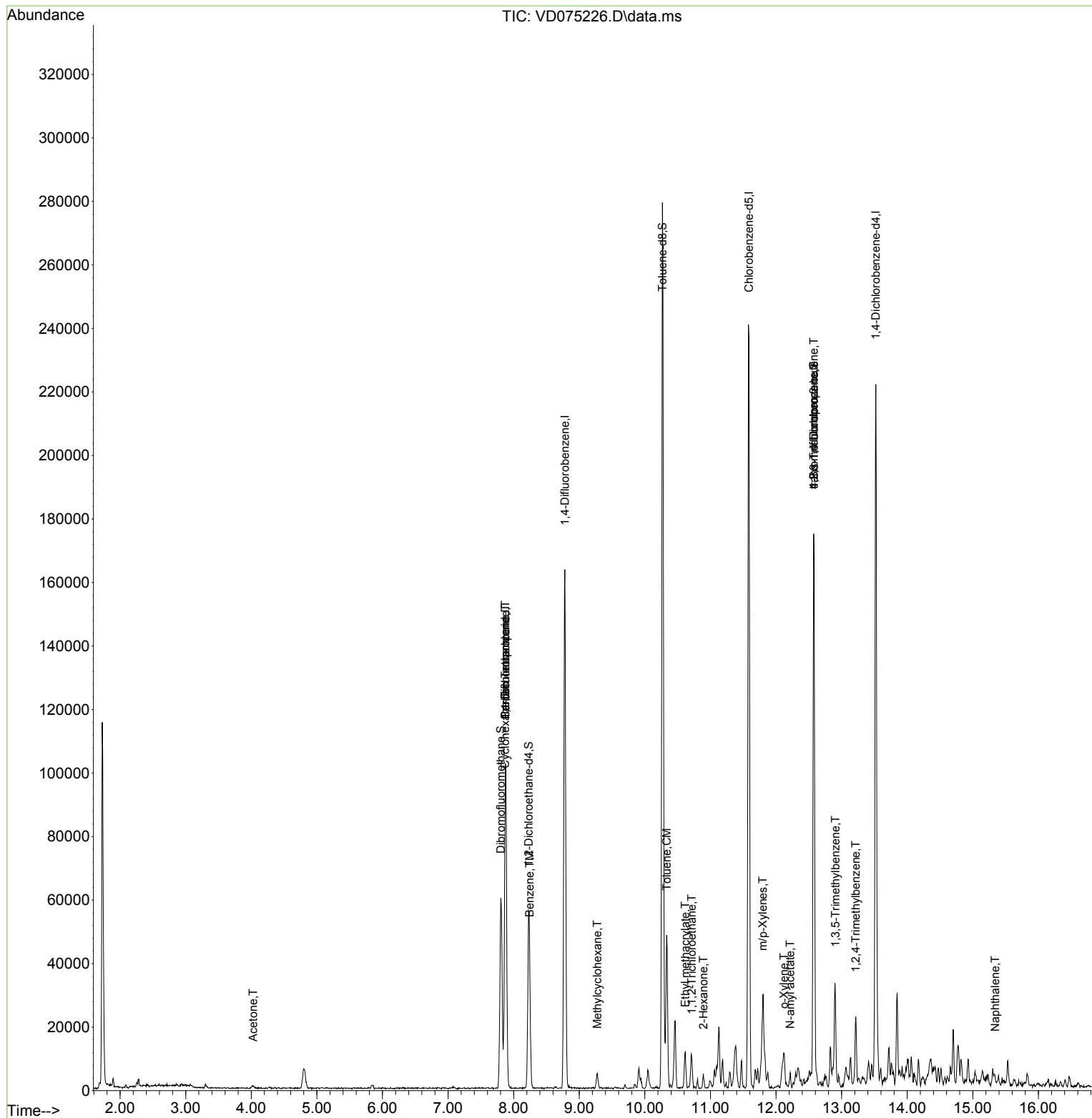
Internal Standards						
1) Pentafluorobenzene	7.875	168	76476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	140267	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	135927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	56289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	42685	54.698	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.400%			
35) Dibromofluoromethane	7.804	113	43493	51.314	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.620%			
50) Toluene-d8	10.269	98	174961	52.426	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.860%			
62) 4-Bromofluorobenzene	12.575	95	55214	52.130	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.260%			
Target Compounds					Qvalue	
16) Acetone	4.028	43	1579	7.672	ug/l	95
20) Methylene Chloride	4.798	84	4794	Below Cal	#	87
31) Cyclohexane	7.869	56	2096	1.339	ug/l #	46
36) 1,1-Dichloropropene	7.875	75	6624	4.864	ug/l #	51
38) Carbon Tetrachloride	7.875	117	7904	6.893	ug/l #	19
39) Methylcyclohexane	9.275	83	1713	1.021	ug/l	93
40) Benzene	8.245	78	4184	1.077	ug/l	97
52) Toluene	10.334	92	19830	8.080	ug/l	99
55) 1,1,2-Trichloroethane	10.716	97	4072	6.099	ug/l #	17
56) Ethyl methacrylate	10.616	69	1197	1.491	ug/l #	1
59) 2-Hexanone	10.892	43	1699	4.583	ug/l #	25
68) m/p-Xylenes	11.798	106	4451	2.298	ug/l	95
69) o-Xylene	12.122	106	2515	1.384	ug/l	100
74) N-amyl acetate	12.216	43	1141	1.171	ug/l #	50
76) 1,2,3-Trichloropropane	12.575	75	30547	64.077	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.904	105	3662	1.005	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.575	75	30547	148.631	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.216	105	11864	3.316	ug/l	96
95) Naphthalene	15.339	128	3173	1.441	ug/l #	95

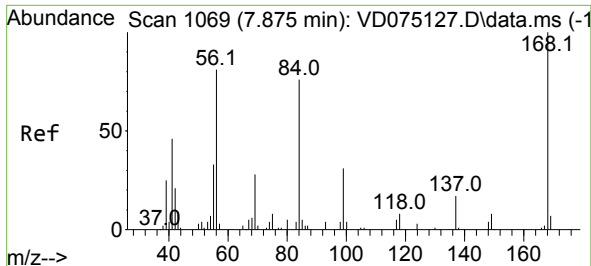
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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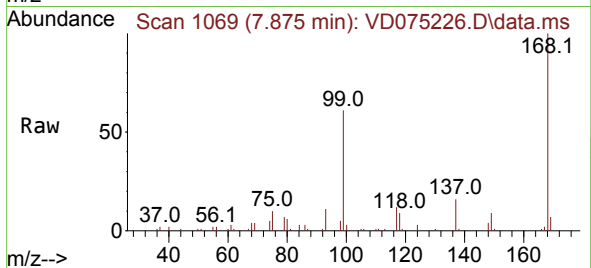
Quant Time: Jan 30 01:03:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 19 01:32:27 2023
Response via : Initial Calibration



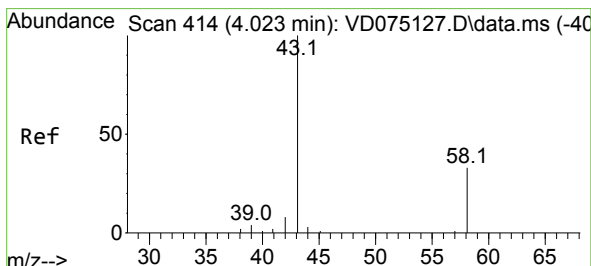
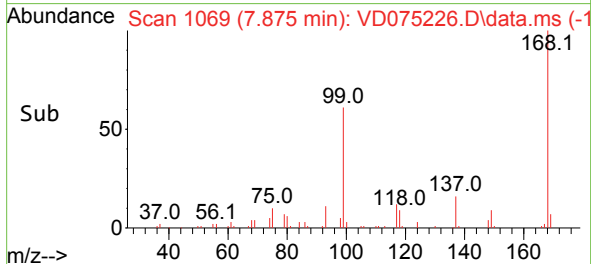
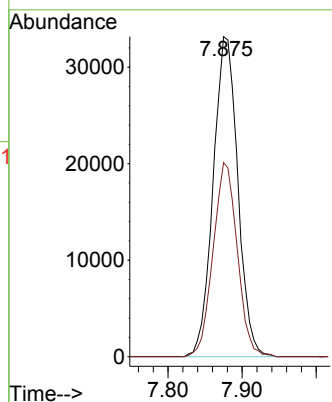


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

Instrument :
MSVOA_D
ClientSampleId :
RJ-1-012523

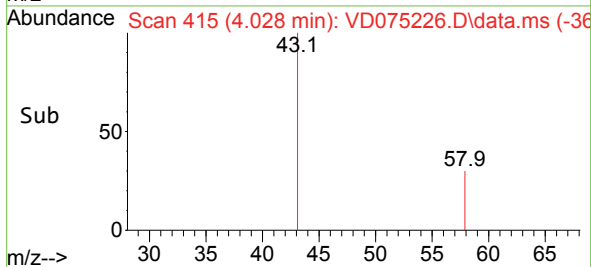
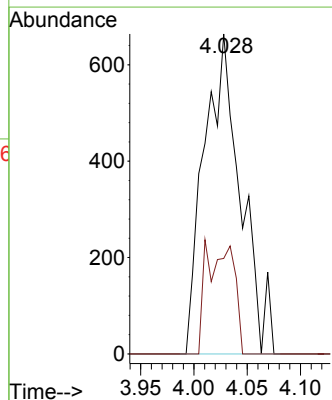
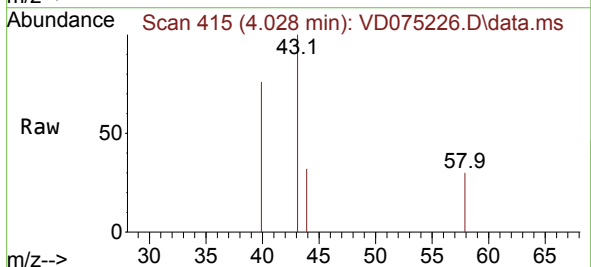


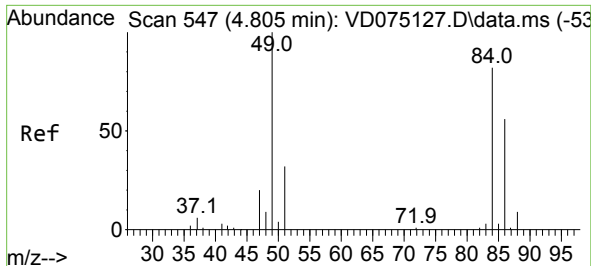
Tgt Ion:168 Resp: 76476
Ion Ratio Lower Upper
168 100
99 60.7 45.2 67.8



#16
Acetone
Concen: 7.672 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.005 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

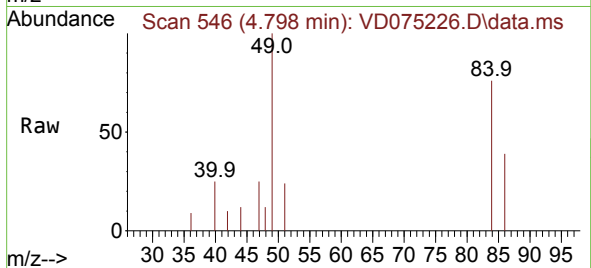
Tgt Ion: 43 Resp: 1579
Ion Ratio Lower Upper
43 100
58 29.8 26.0 39.0



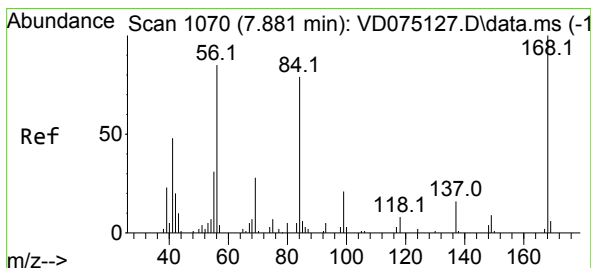
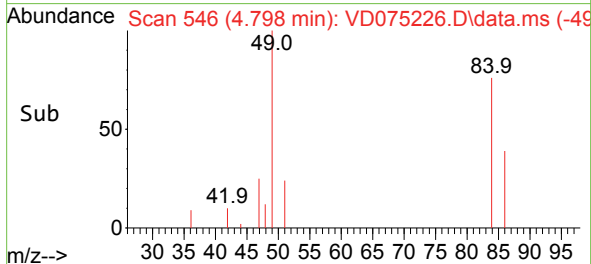
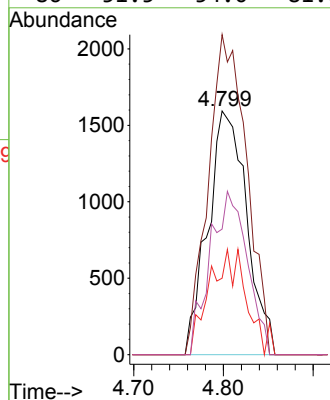


#20
Methylene Chloride
Concen: Below Cal
RT: 4.798 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

Instrument :
MSVOA_D
ClientSampleId :
RJ-1-012523

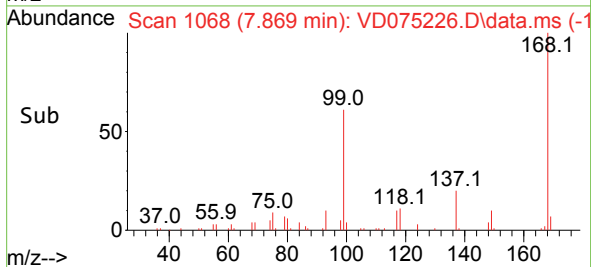
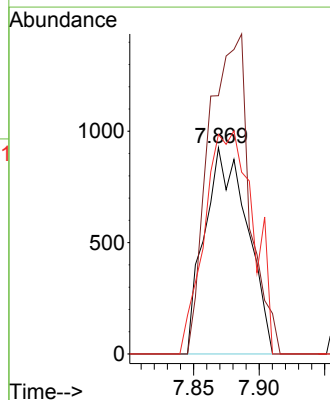
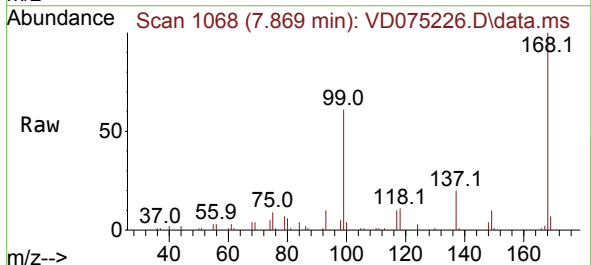


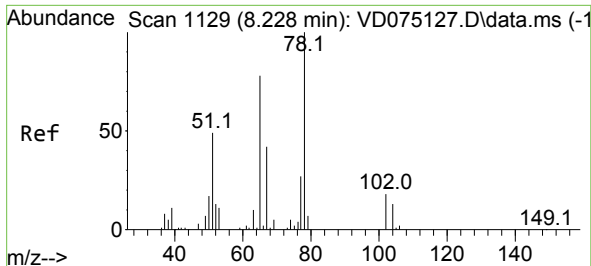
Tgt Ion:	84	Resp:	4794
Ion	Ratio	Lower	Upper
84	100		
49	131.3	97.0	145.6
51	31.4	30.9	46.3
86	51.5	54.0	81.0



#31
Cyclohexane
Concen: 1.339 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

Tgt Ion:	56	Resp:	2096
Ion	Ratio	Lower	Upper
56	100		
69	125.3	26.6	40.0
84	106.5	74.1	111.1





#33

1,2-Dichloroethane-d4

Concen: 54.698 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD075226.D

Acq: 27 Jan 2023 15:27

Instrument :

MSVOA_D

ClientSampleId :

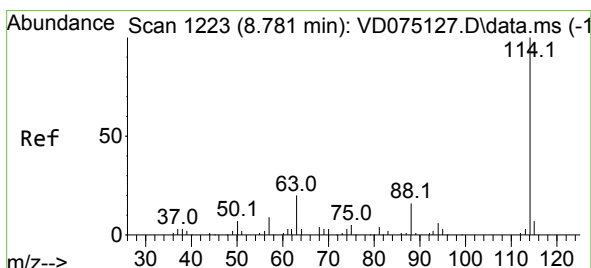
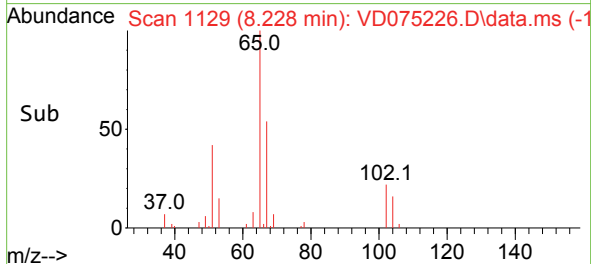
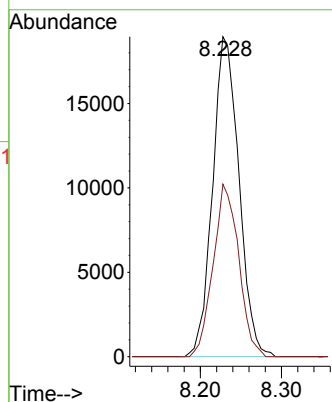
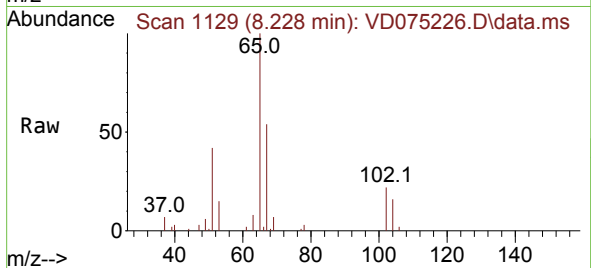
RJ-1-012523

Tgt Ion: 65 Resp: 42685

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD075226.D

Acq: 27 Jan 2023 15:27

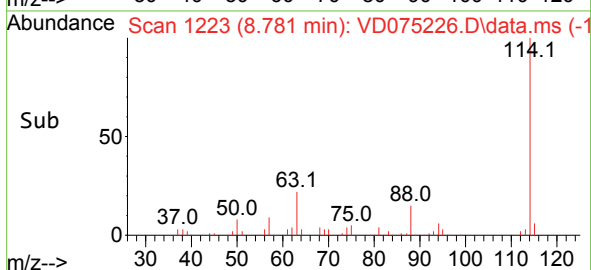
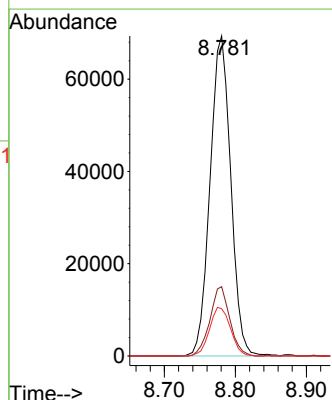
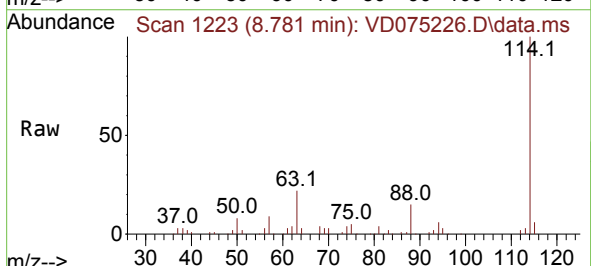
Tgt Ion: 114 Resp: 140267

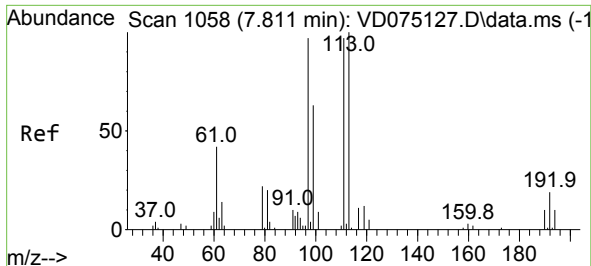
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.2

88 14.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.314 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075226.D

Acq: 27 Jan 2023 15:27

Instrument :

MSVOA_D

ClientSampleId :

RJ-1-012523

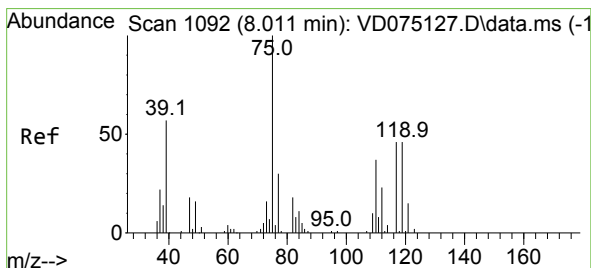
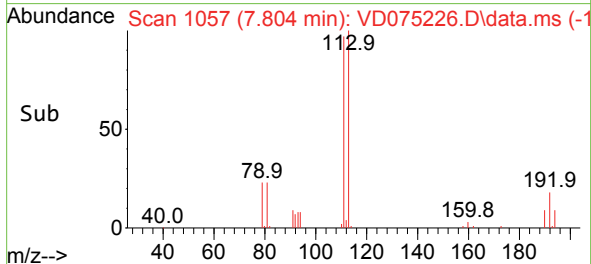
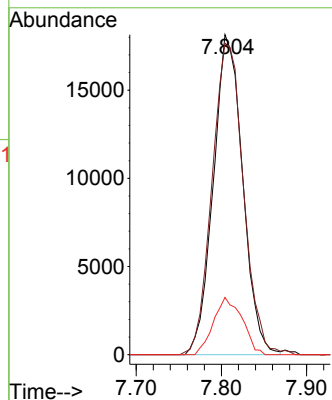
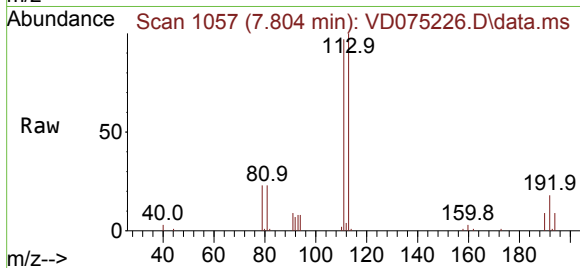
Tgt Ion:113 Resp: 43493

Ion Ratio Lower Upper

113 100

111 103.9 80.1 120.1

192 17.5 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.864 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.136 min

Lab File: VD075226.D

Acq: 27 Jan 2023 15:27

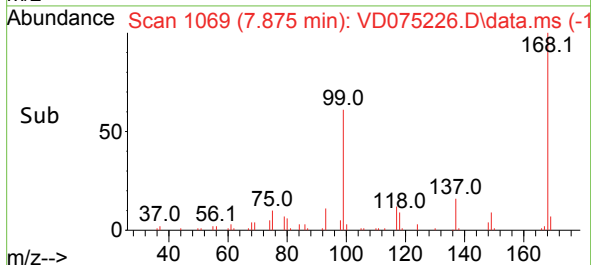
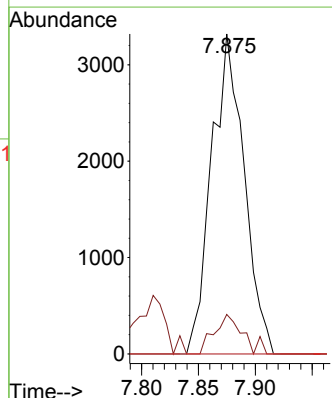
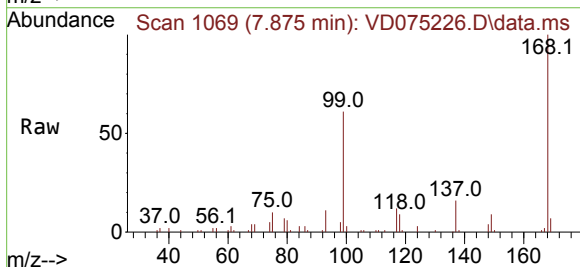
Tgt Ion: 75 Resp: 6624

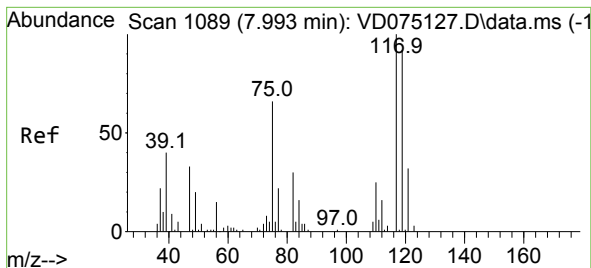
Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.4#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.893 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075226.D

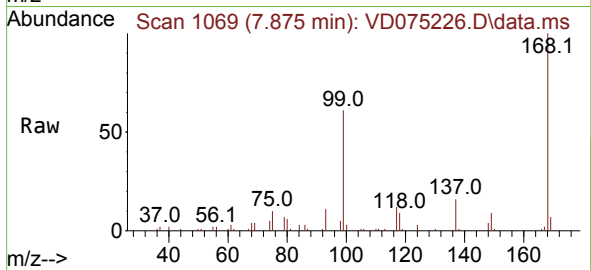
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Instrument :

MSVOA_D

ClientSampleId :

RJ-1-012523



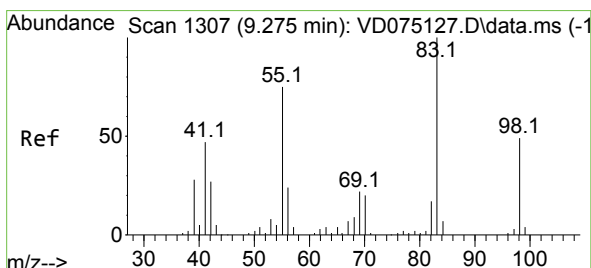
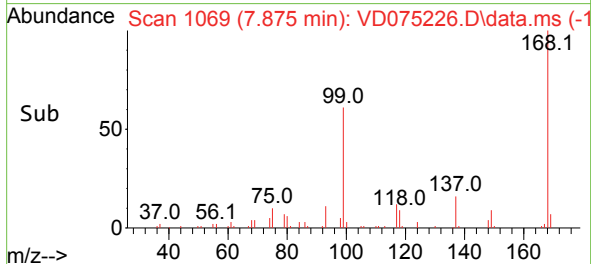
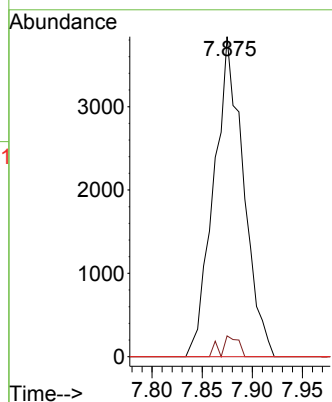
Tgt Ion:117 Resp: 7904

Ion Ratio Lower Upper

117 100

119 6.5 73.6 110.4#

121 0.0 25.4 38.0#



#39

Methylcyclohexane

Concen: 1.021 ug/l

RT: 9.275 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VD075226.D

Acq: 27 Jan 2023 15:27

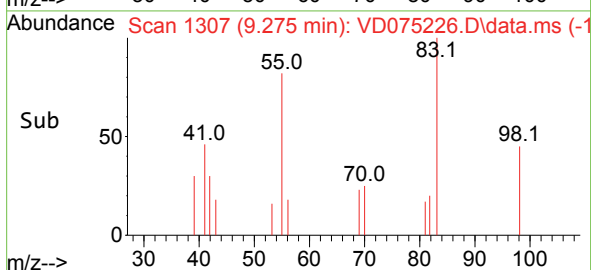
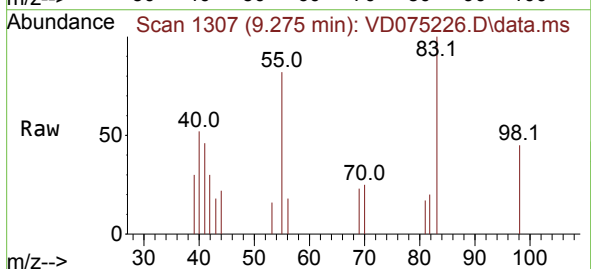
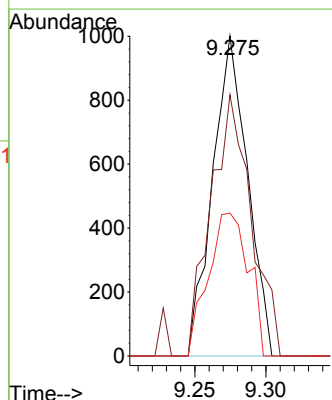
Tgt Ion: 83 Resp: 1713

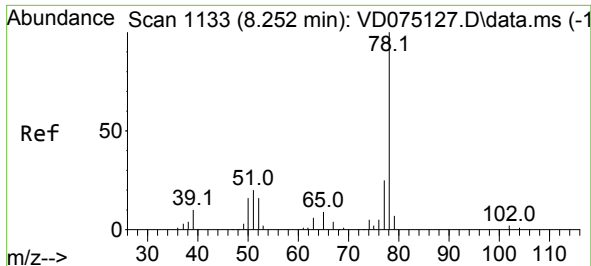
Ion Ratio Lower Upper

83 100

55 81.6 60.0 90.0

98 44.7 39.0 58.4

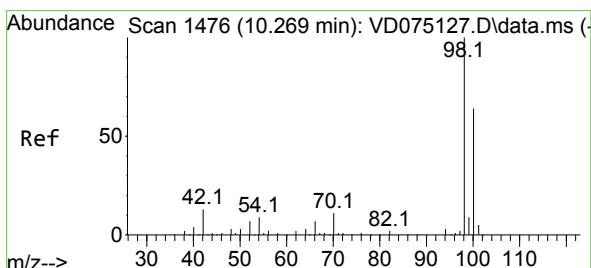
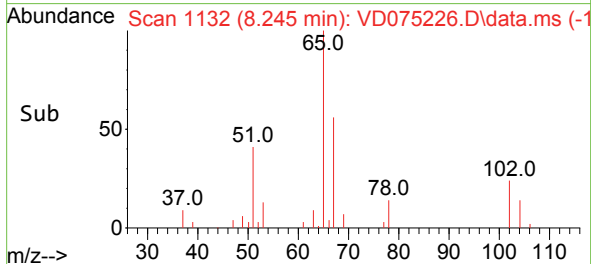
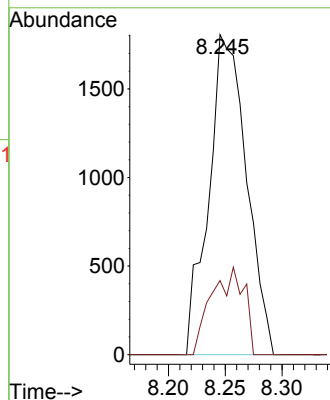
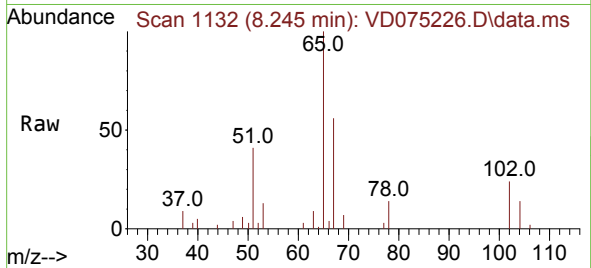




#40
Benzene
Concen: 1.077 ug/l
RT: 8.245 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

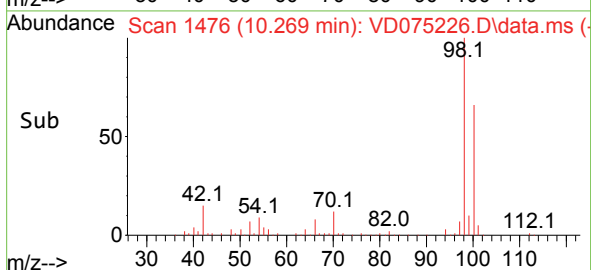
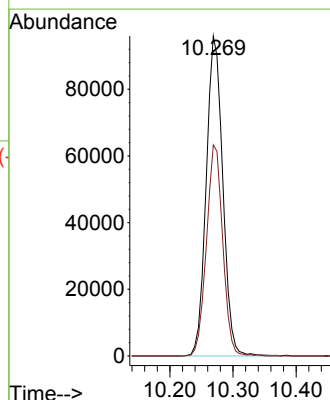
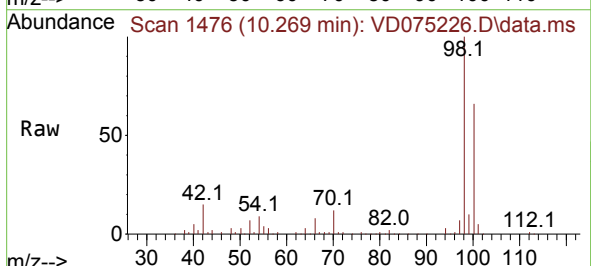
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RJ-1-012523

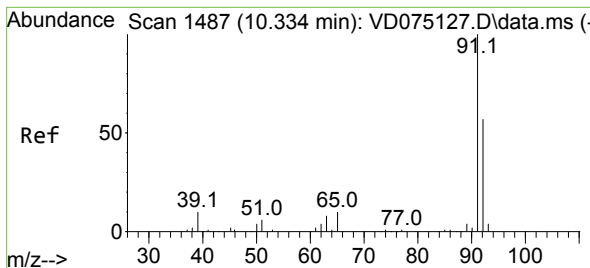
Tgt Ion: 78 Resp: 4184
Ion Ratio Lower Upper
78 100
77 23.1 19.8 29.6



#50
Toluene-d8
Concen: 52.426 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

Tgt Ion: 98 Resp: 174961
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1





#52

Toluene

Concen: 8.080 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD075226.D

Acq: 27 Jan 2023 15:27

Instrument :

MSVOA_D

ClientSampleId :

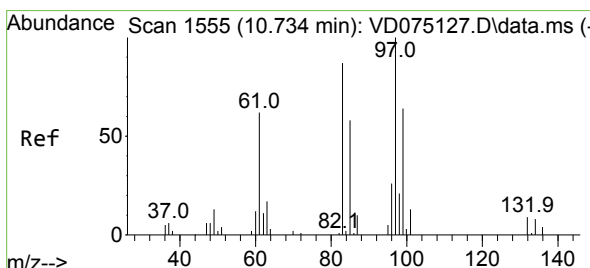
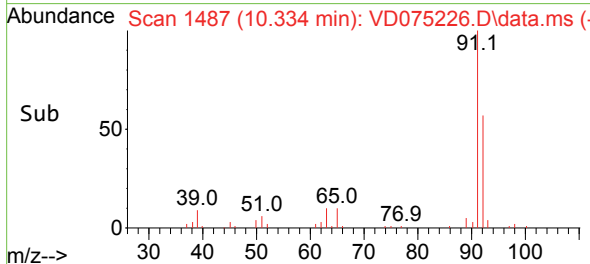
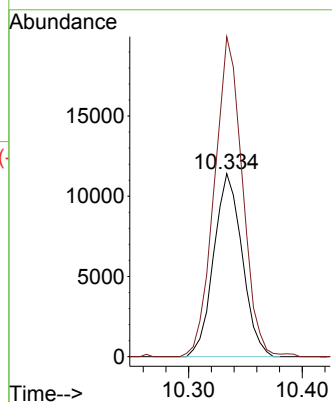
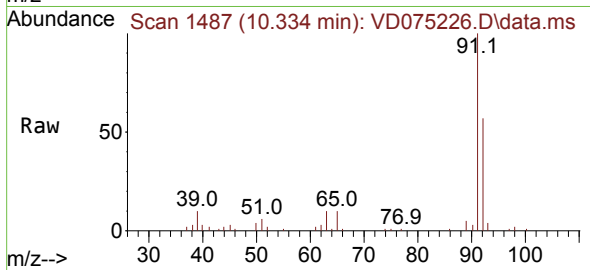
RJ-1-012523

Tgt Ion: 92 Resp: 19830

Ion Ratio Lower Upper

92 100

91 173.0 137.0 205.4



#55

1,1,2-Trichloroethane

Concen: 6.099 ug/l

RT: 10.716 min Scan# 1552

Delta R.T. -0.018 min

Lab File: VD075226.D

Acq: 27 Jan 2023 15:27

Tgt Ion: 97 Resp: 4072

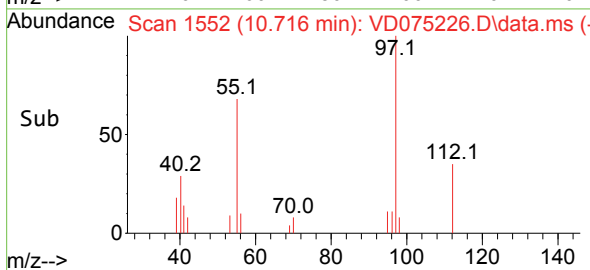
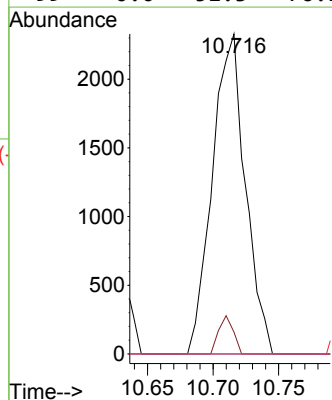
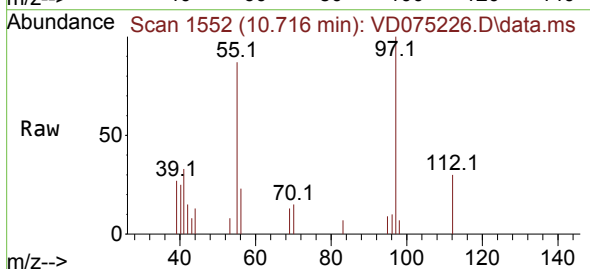
Ion Ratio Lower Upper

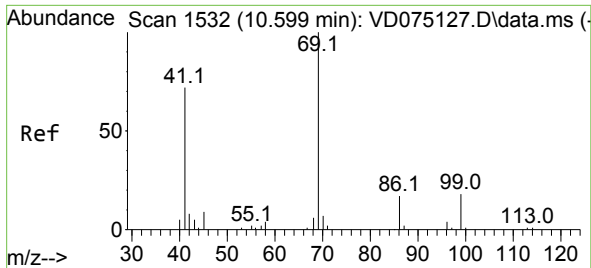
97 100

83 6.9 69.4 104.0#

85 0.0 46.0 69.0#

99 0.0 51.3 76.9#

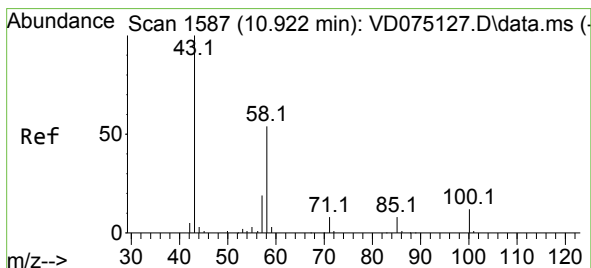
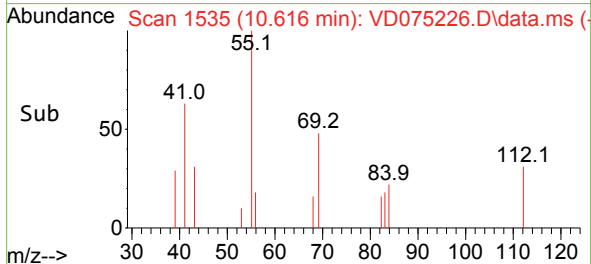
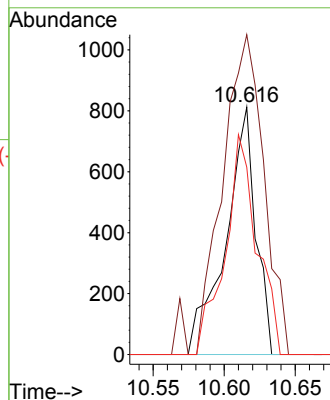
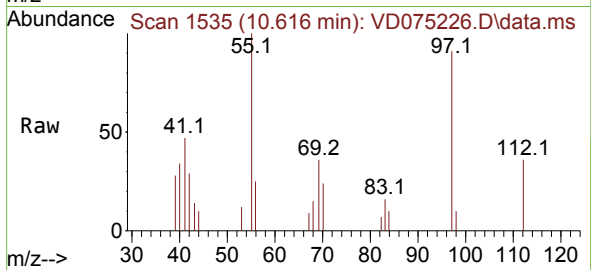




#56
Ethyl methacrylate
Concen: 1.491 ug/l
RT: 10.616 min Scan# 1535
Delta R.T. 0.017 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

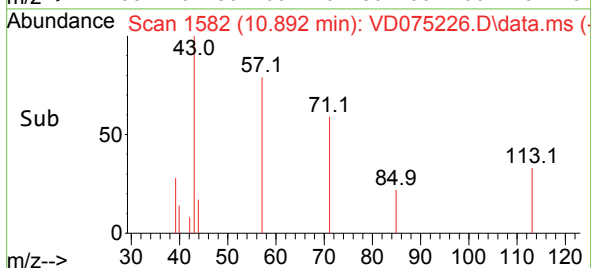
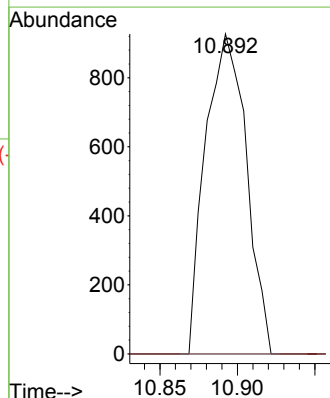
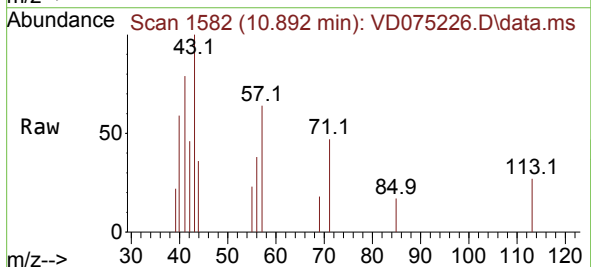
Instrument :
MSVOA_D
ClientSampleId :
RJ-1-012523

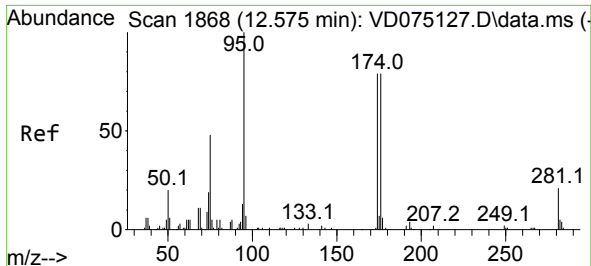
Tgt Ion: 69 Resp: 1197
Ion Ratio Lower Upper
69 100
41 176.9 55.7 83.5#
39 94.5 31.4 47.0#



#59
2-Hexanone
Concen: 4.583 ug/l
RT: 10.892 min Scan# 1582
Delta R.T. -0.030 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

Tgt Ion: 43 Resp: 1699
Ion Ratio Lower Upper
43 100
58 0.0 26.8 80.4#

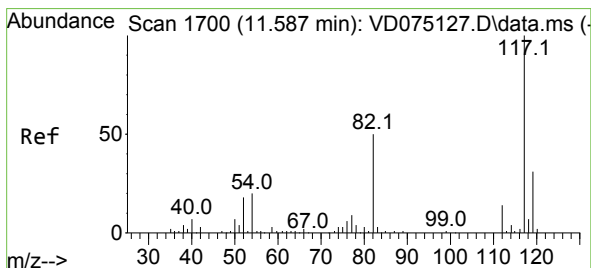
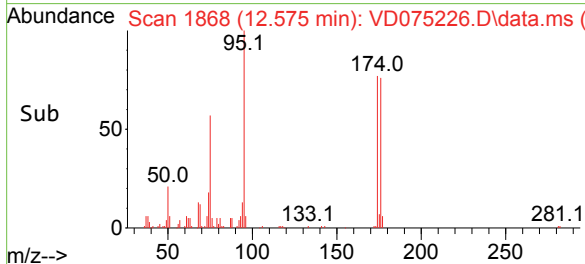
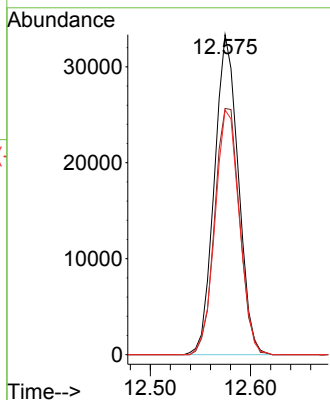
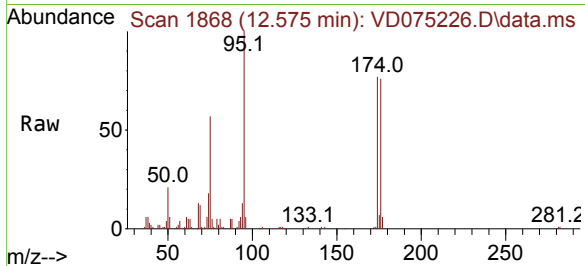




#62
4-Bromofluorobenzene
Concen: 52.130 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

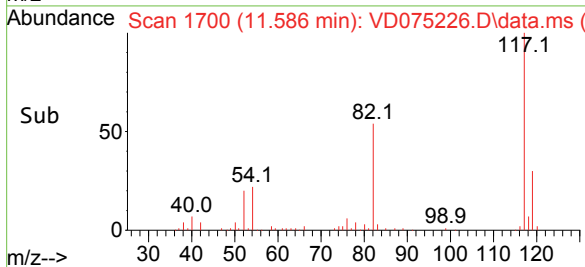
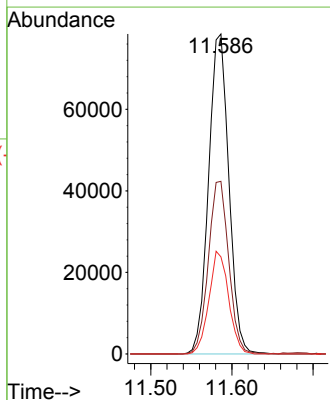
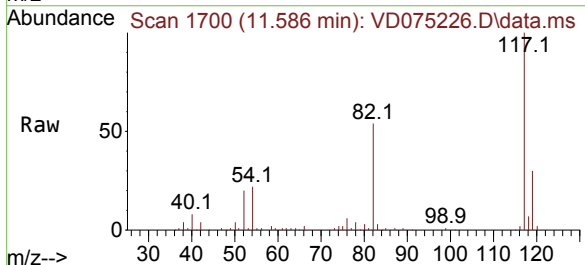
Instrument :
MSVOA_D
ClientSampleId :
RJ-1-012523

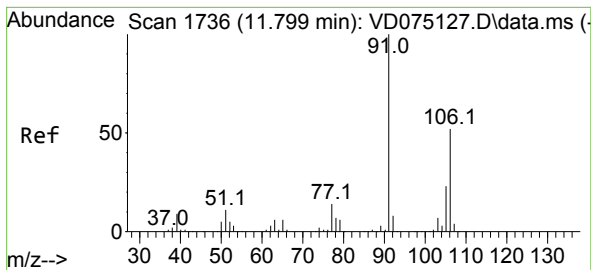
Tgt Ion: 95 Resp: 55214
Ion Ratio Lower Upper
95 100
174 80.1 0.0 161.2
176 78.0 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

Tgt Ion: 117 Resp: 135927
Ion Ratio Lower Upper
117 100
82 53.9 39.6 59.4
119 30.4 24.6 37.0

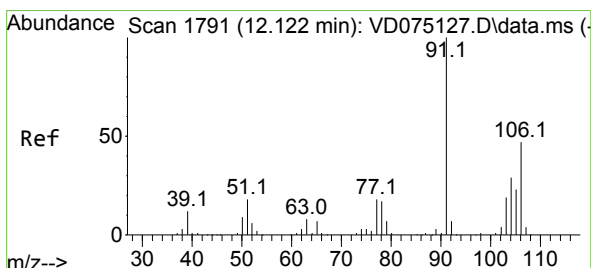
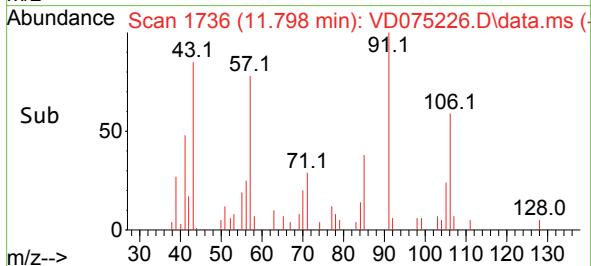
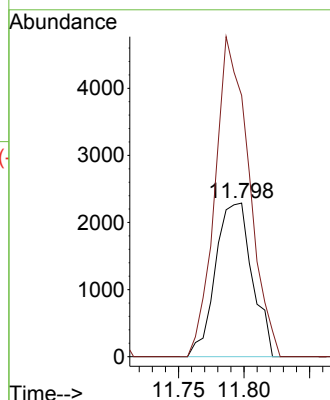
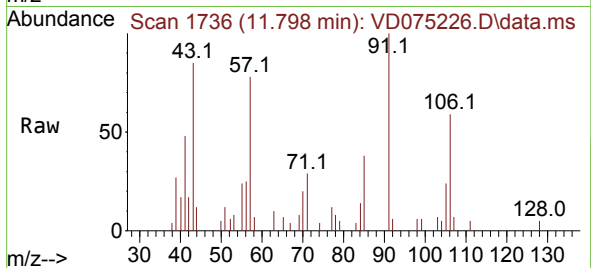




#68
m/p-Xylenes
Concen: 2.298 ug/l
RT: 11.798 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

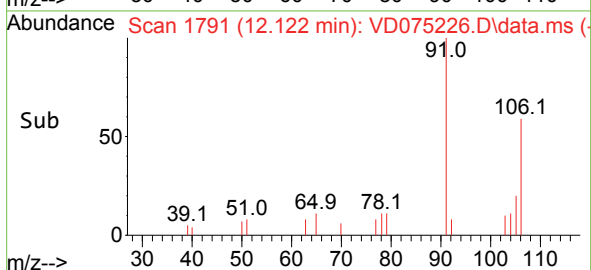
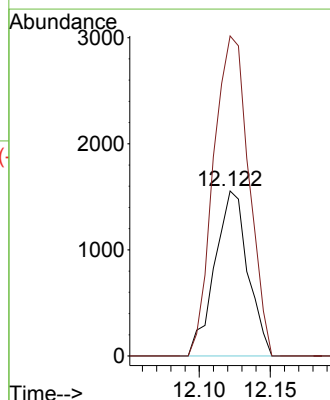
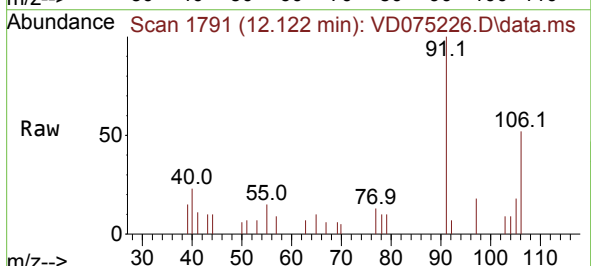
Instrument :
MSVOA_D
ClientSampleId :
RJ-1-012523

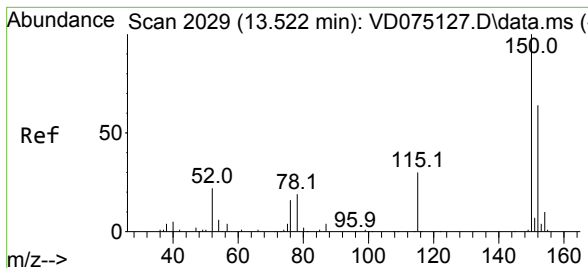
Tgt Ion:106 Resp: 4451
Ion Ratio Lower Upper
106 100
91 192.7 160.3 240.5



#69
o-Xylene
Concen: 1.384 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

Tgt Ion:106 Resp: 2515
Ion Ratio Lower Upper
106 100
91 207.6 103.6 310.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD075226.D

Acq: 27 Jan 2023 15:27

Instrument :

MSVOA_D

ClientSampleId :

RJ-1-012523

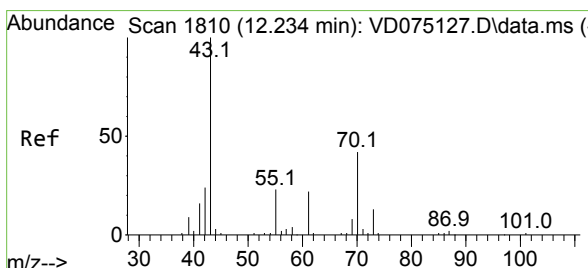
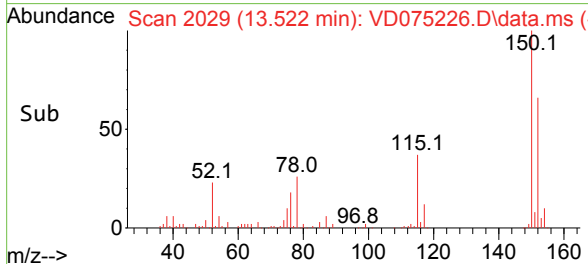
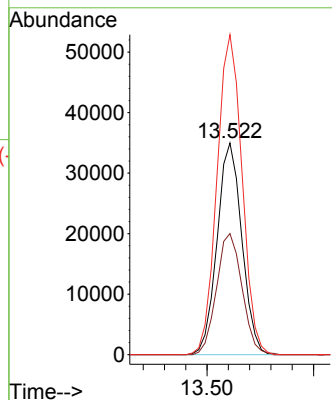
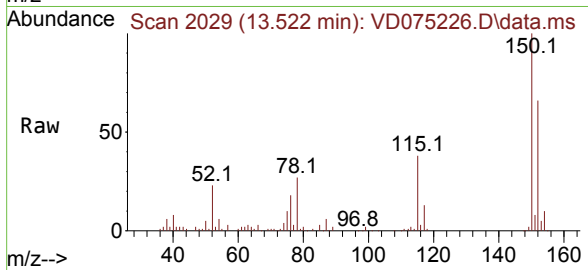
Tgt Ion:152 Resp: 56289

Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.4

150 153.2 0.0 348.6



#74

N-ethyl acetate

Concen: 1.171 ug/l

RT: 12.216 min Scan# 1807

Delta R.T. -0.018 min

Lab File: VD075226.D

Acq: 27 Jan 2023 15:27

Tgt Ion: 43 Resp: 1141

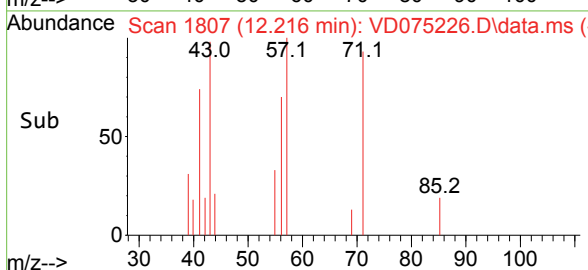
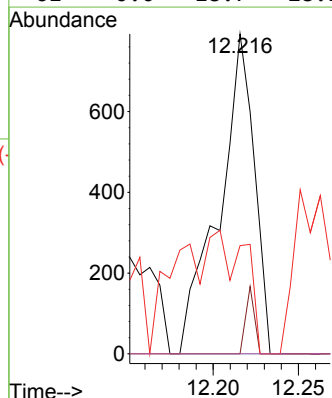
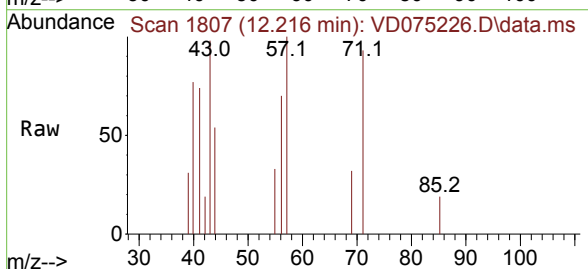
Ion Ratio Lower Upper

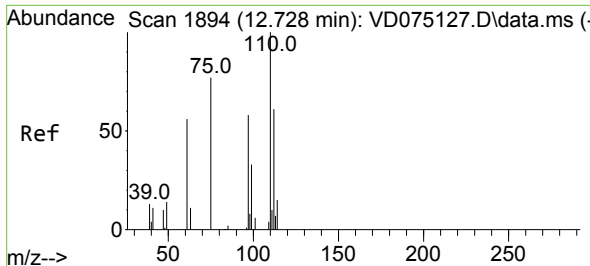
43 100

70 5.2 32.6 49.0#

55 40.7 17.8 26.8#

61 0.0 18.7 28.1#

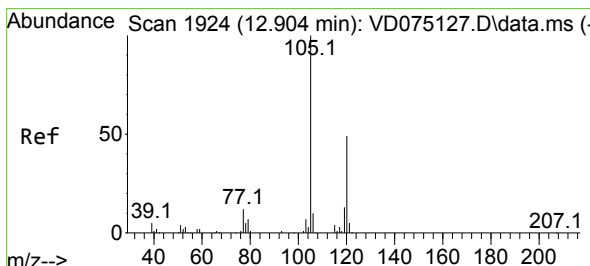
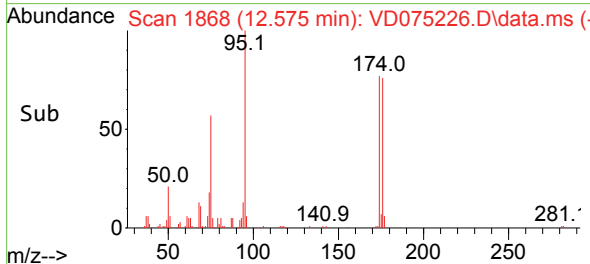
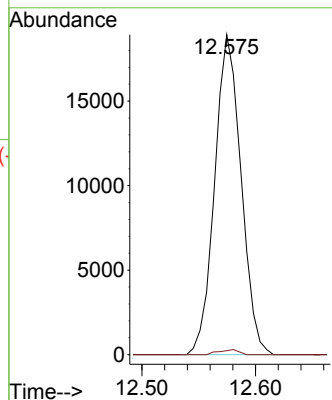
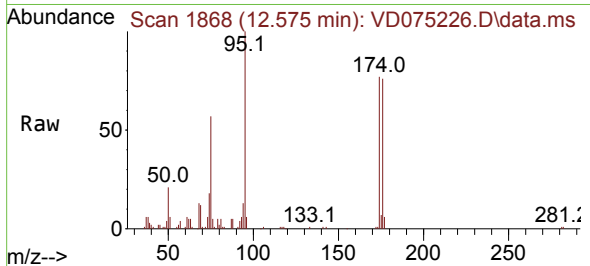




#76
1,2,3-Trichloropropane
Concen: 64.077 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

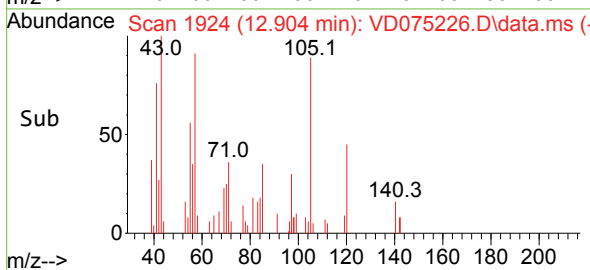
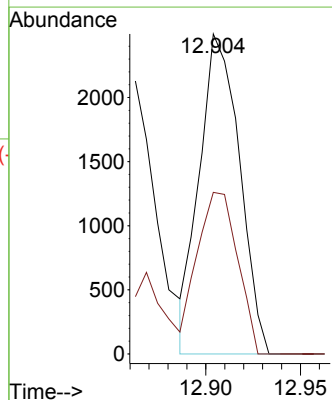
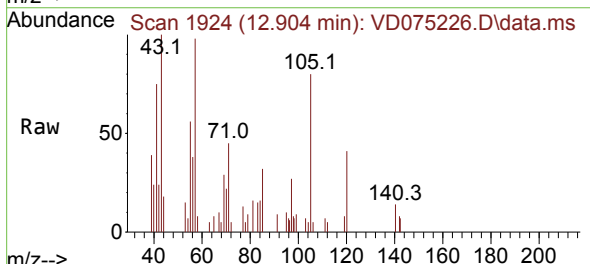
Instrument :
MSVOA_D
ClientSampleId :
RJ-1-012523

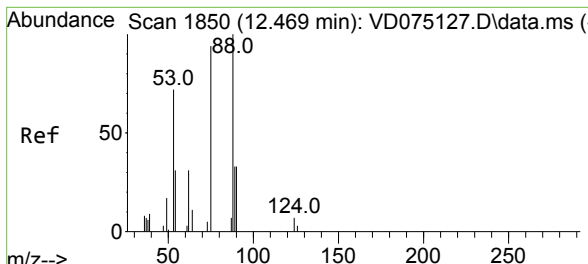
Tgt Ion: 75 Resp: 30547
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.005 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

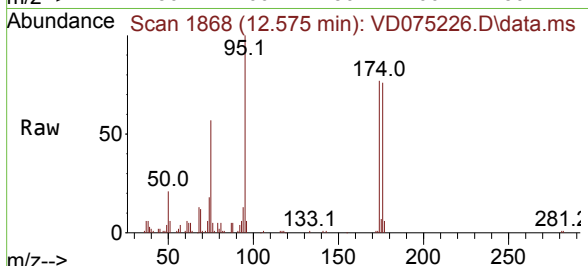
Tgt Ion: 105 Resp: 3662
Ion Ratio Lower Upper
105 100
120 51.1 24.6 73.8



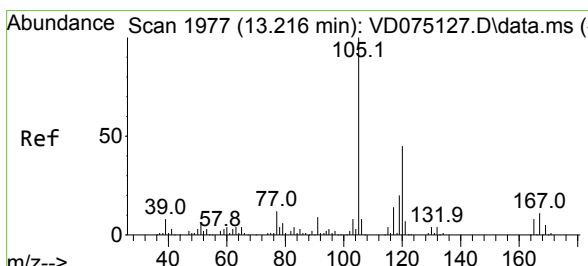
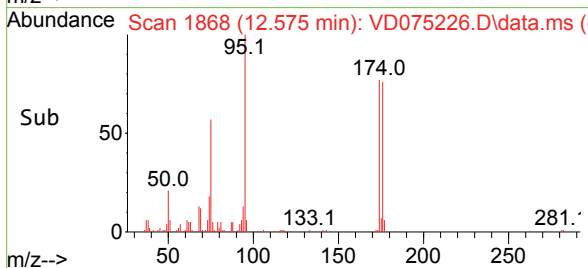
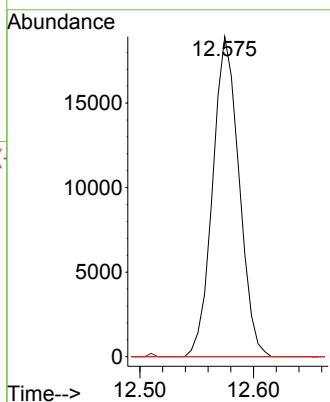


#81
trans-1,4-Dichloro-2-butene
Concen: 148.631 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.105 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

Instrument :
MSVOA_D
ClientSampleId :
RJ-1-012523

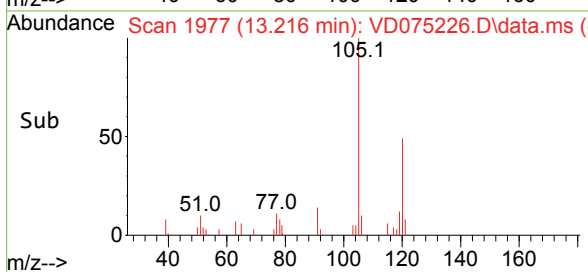
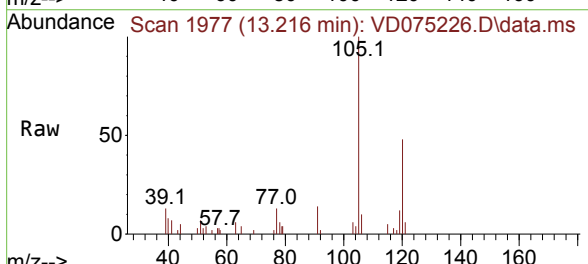
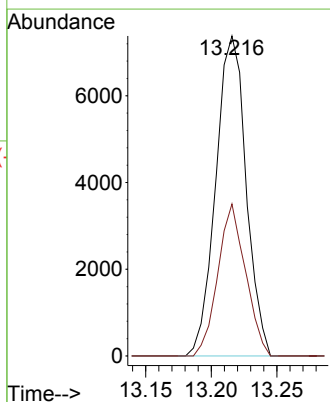


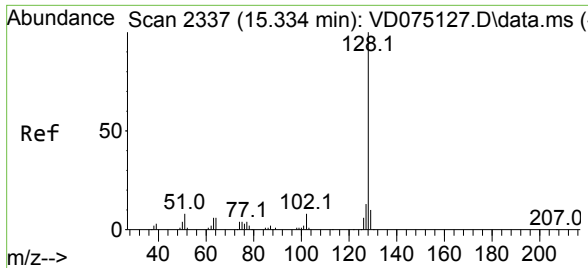
Tgt Ion: 75 Resp: 30547
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.316 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. -0.000 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

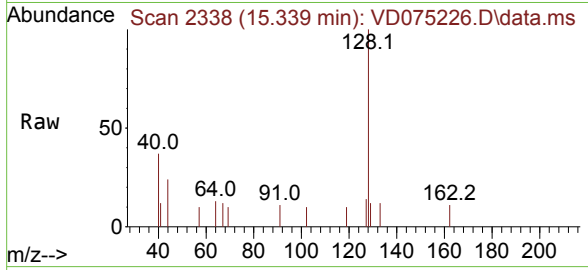
Tgt Ion: 105 Resp: 11864
Ion Ratio Lower Upper
105 100
120 43.3 23.2 69.5





#95
Naphthalene
Concen: 1.441 ug/l
RT: 15.339 min Scan# 21
Delta R.T. 0.005 min
Lab File: VD075226.D
Acq: 27 Jan 2023 15:27

Instrument :
MSVOA_D
ClientSampleId :
RJ-1-012523



Tgt Ion:	128	Resp:	3173
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	15.8
129	7.0	8.7	13.1#

