

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083121\
 Data File : VD070281.D
 Acq On : 31 Aug 2021 15:57
 Operator : VA/SY
 Sample : M3605-05
 Misc : 4.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 01 03:59:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

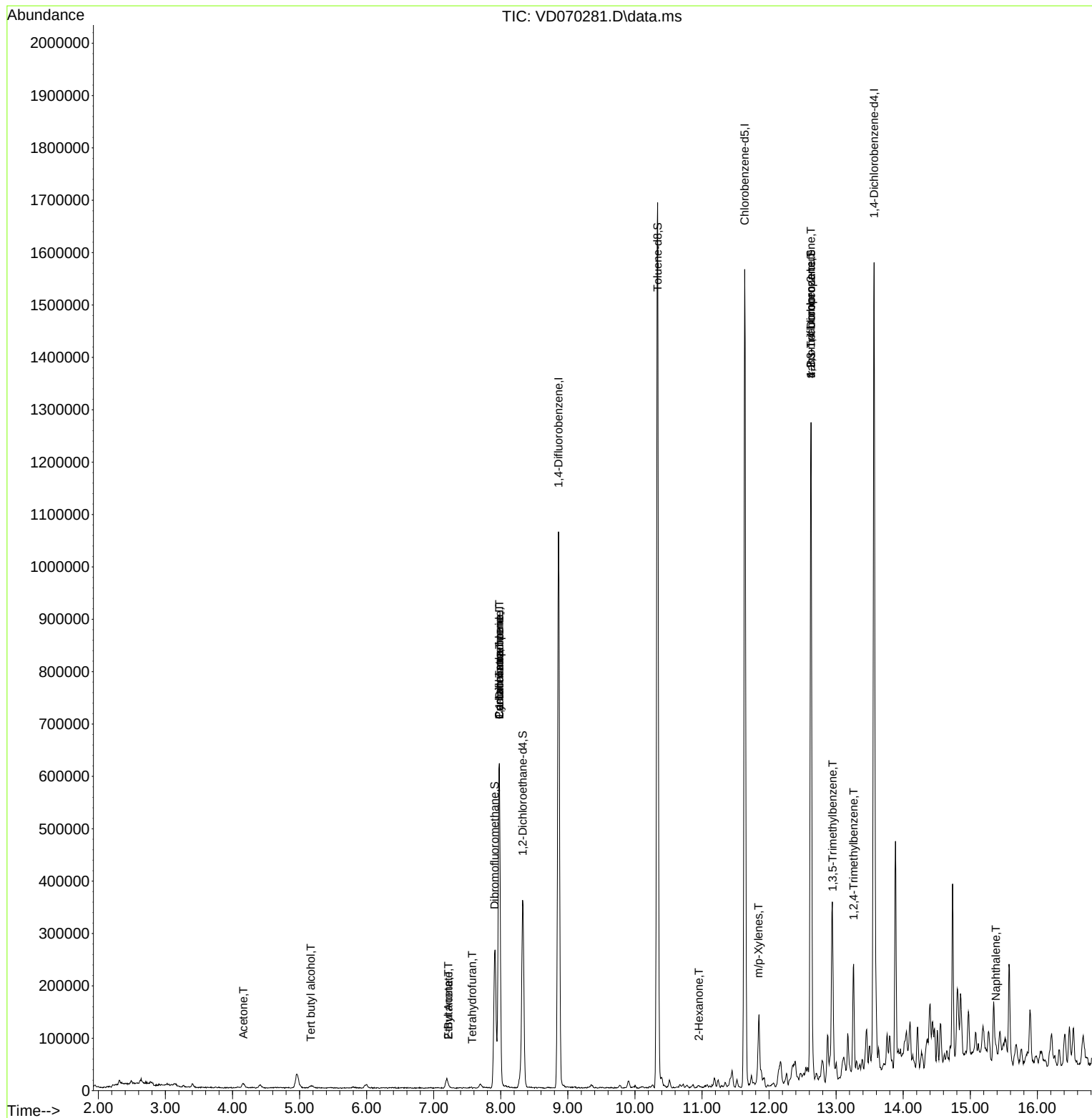
Internal Standards						
1) Pentafluorobenzene	7.979	168	426039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	889918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	896424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	399558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	283092	56.495	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.000%
35) Dibromofluoromethane	7.908	113	197428	34.339	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	68.680%
50) Toluene-d8	10.338	98	1169368	52.292	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.580%
62) 4-Bromofluorobenzene	12.626	95	415727	56.442	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	112.880%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	1033	Below Cal	#	42
3) Chloromethane	2.214	50	1472	Below Cal	#	71
5) Bromomethane	2.773	94	2773	Below Cal		82
11) Tert butyl alcohol	5.167	59	4028	14.543	ug/l #	71
16) Acetone	4.161	43	16731	18.125	ug/l #	87
20) Methylene Chloride	4.961	84	21257	Below Cal		89
25) 2-Butanone	7.220	43	4408	3.495	ug/l #	74
29) Tetrahydrofuran	7.573	42	853	1.033	ug/l #	55
31) Cyclohexane	7.979	56	11670	1.177	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	39570	4.133	ug/l #	50
37) Ethyl Acetate	7.220	43	4408	1.268	ug/l #	67
38) Carbon Tetrachloride	7.979	117	44636	5.136	ug/l #	15
59) 2-Hexanone	10.955	43	2604	1.152	ug/l #	39
68) m/p-Xylenes	11.843	106	18931	1.475	ug/l	93
76) 1,2,3-Trichloropropane	12.626	75	208583	51.476	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.949	105	45891	1.850	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	208583	133.612	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.261	105	115977	4.713	ug/l	99
95) Naphthalene	15.384	128	26231	2.201	ug/l #	90

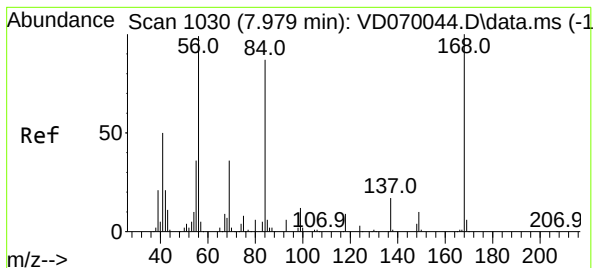
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration

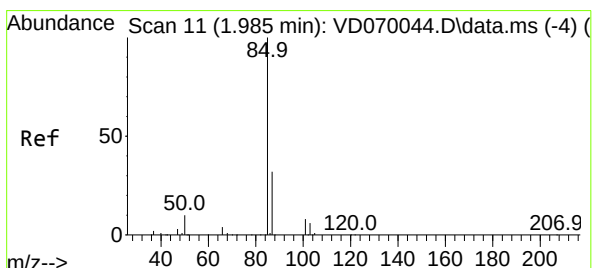
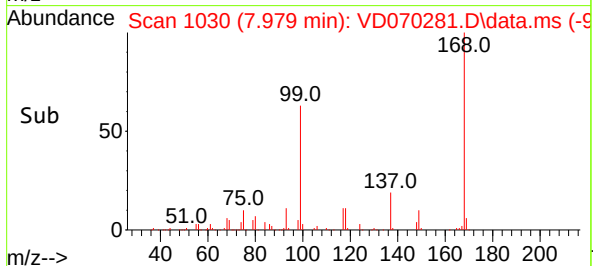
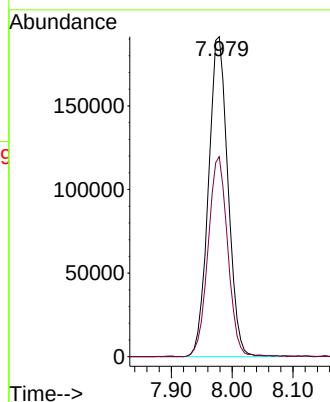
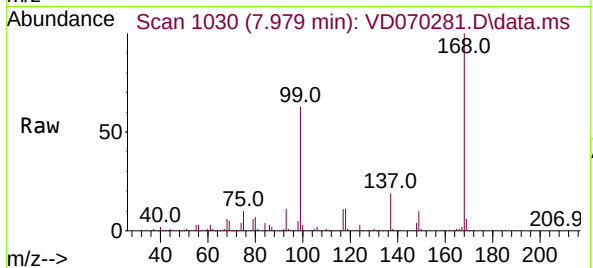




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

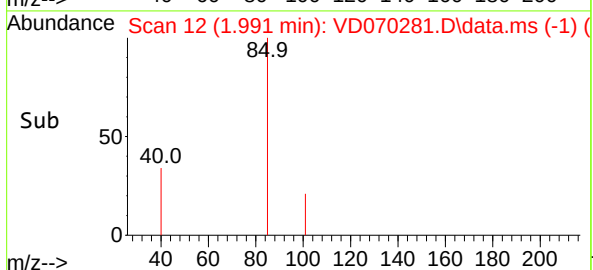
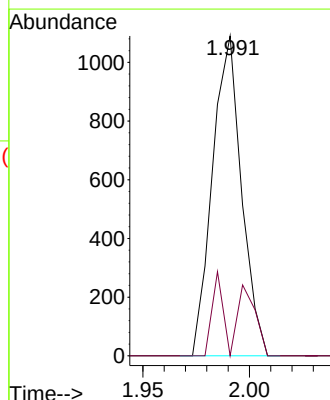
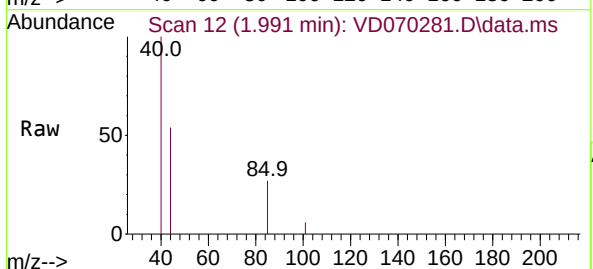
Instrument :
MSVOA_D
ClientSampled :

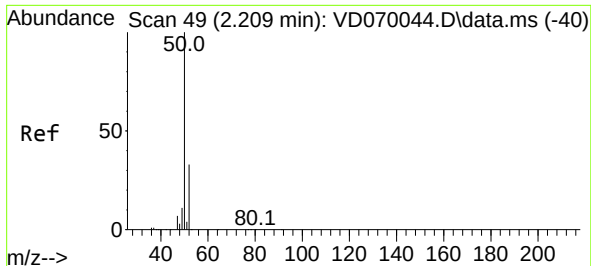
Tgt Ion:168 Resp: 426039
Ion Ratio Lower Upper
168 100
99 62.4 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

Tgt Ion: 85 Resp: 1033
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

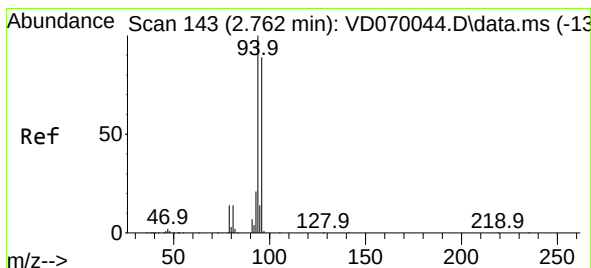
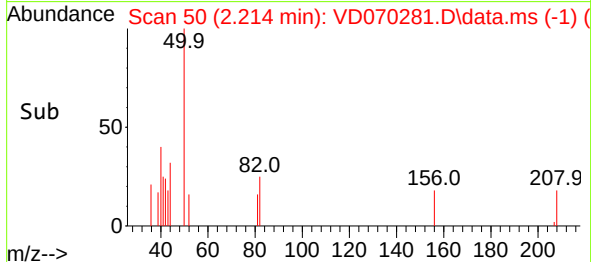
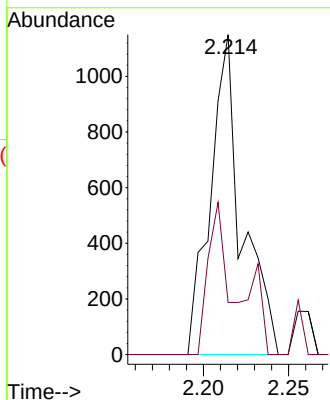
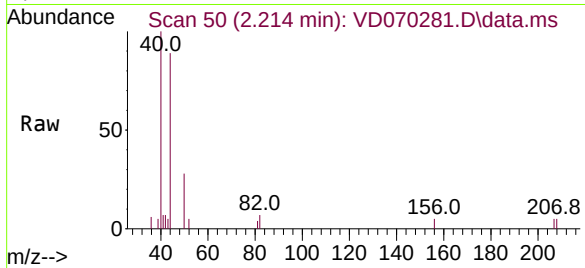




#3
Chloromethane
Concen: Below Cal
RT: 2.214 min Scan# 50
Delta R.T. 0.005 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

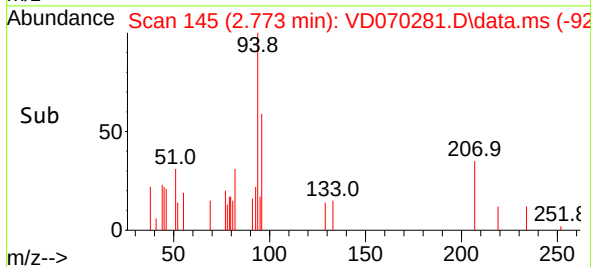
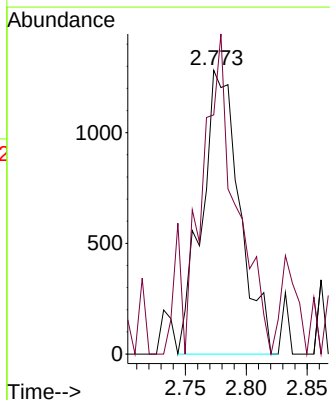
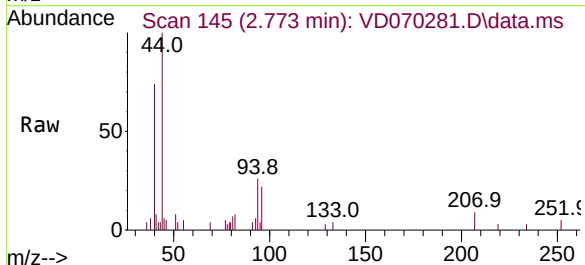
Instrument :
MSVOA_D
ClientSampled :

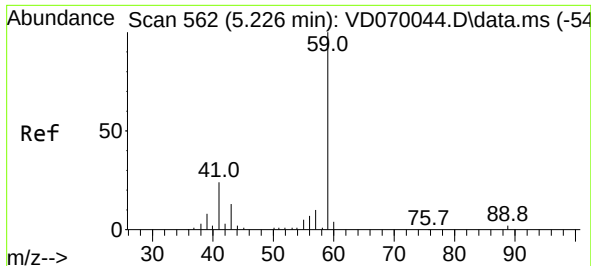
Tgt Ion: 50 Resp: 1472
Ion Ratio Lower Upper
50 100
52 16.3 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

Tgt Ion: 94 Resp: 2773
Ion Ratio Lower Upper
94 100
96 72.1 70.9 106.3



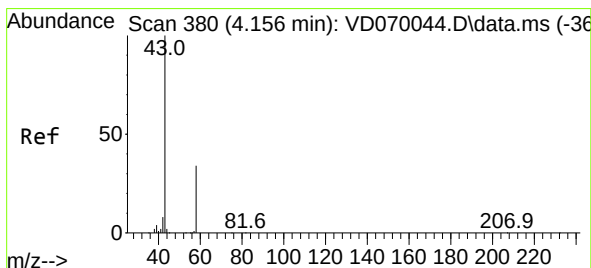
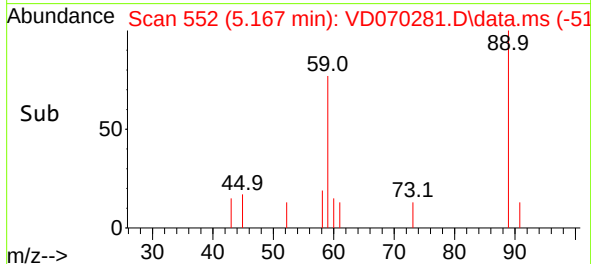
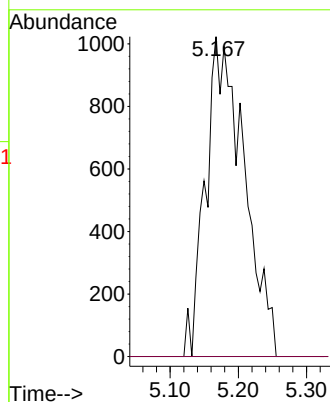
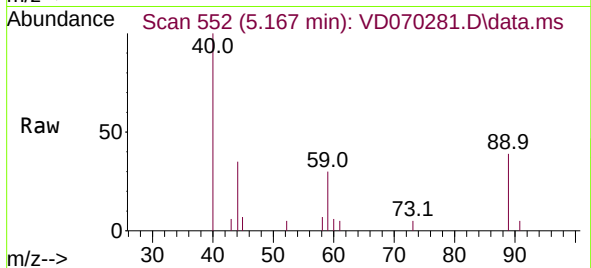


#11

Tert butyl alcohol
Concen: 14.543 ug/l
RT: 5.167 min Scan# 552
Delta R.T. -0.059 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

Instrument :
MSVOA_D
ClientSampled :

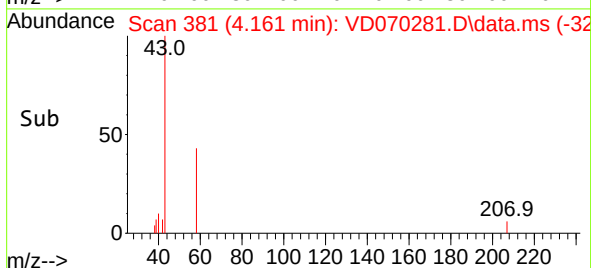
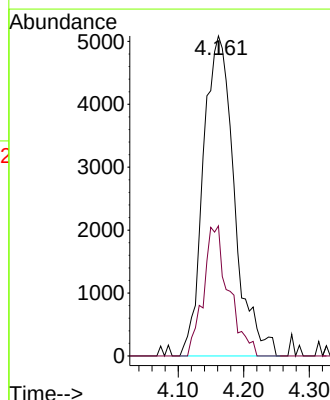
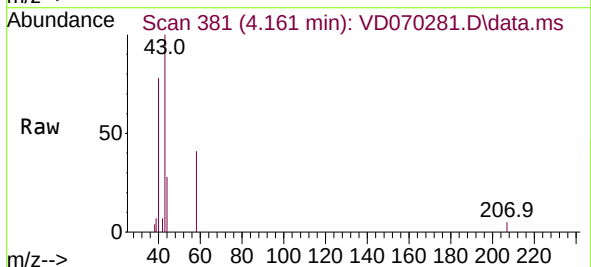
Tgt Ion: 59 Resp: 4028
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

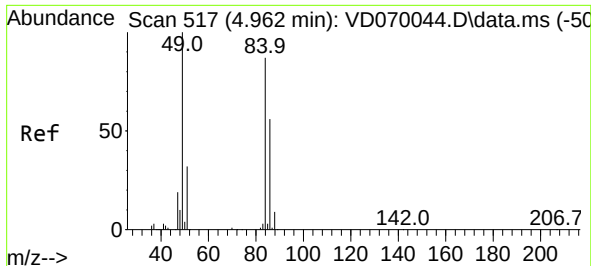


#16

Acetone
Concen: 18.125 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

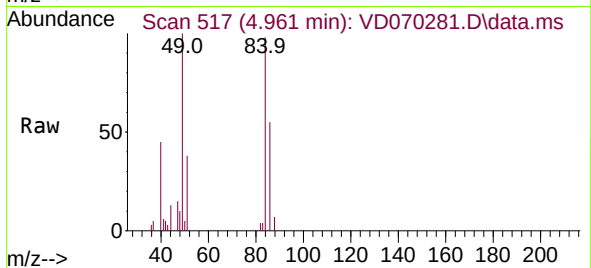
Tgt Ion: 43 Resp: 16731
Ion Ratio Lower Upper
43 100
58 40.7 26.8 40.2#



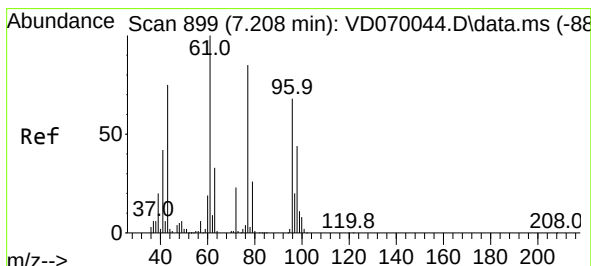
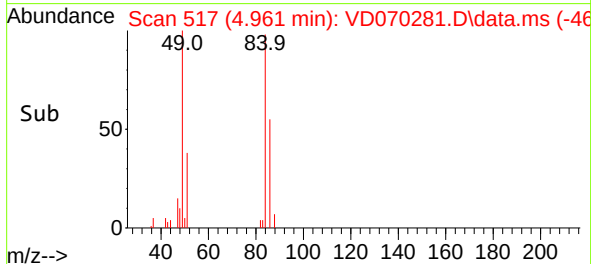
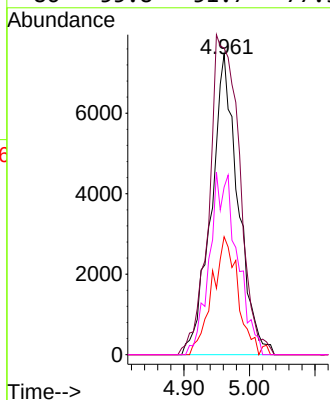


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

Instrument :
MSVOA_D
ClientSampleId :

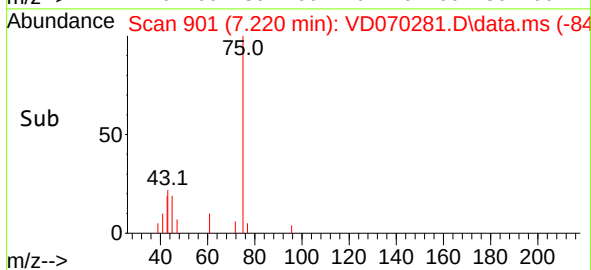
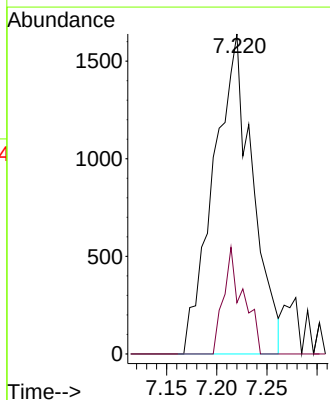
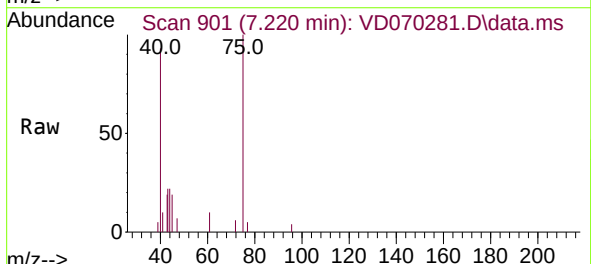


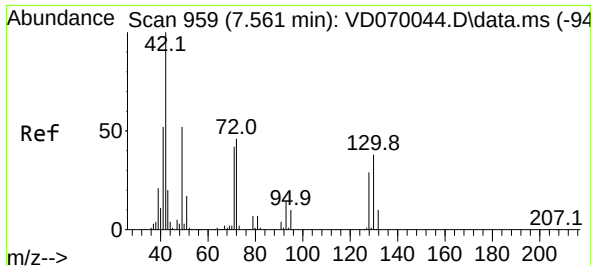
Tgt Ion:	84	Resp:	21257
Ion	Ratio	Lower	Upper
84	100		
49	102.1	92.5	138.7
51	39.3	29.7	44.5
86	55.8	51.7	77.5



#25
2-Butanone
Concen: 3.495 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

Tgt Ion:	43	Resp:	4408
Ion	Ratio	Lower	Upper
43	100		
72	16.0	24.2	36.4#





#29

Tetrahydrofuran

Concen: 1.033 ug/l

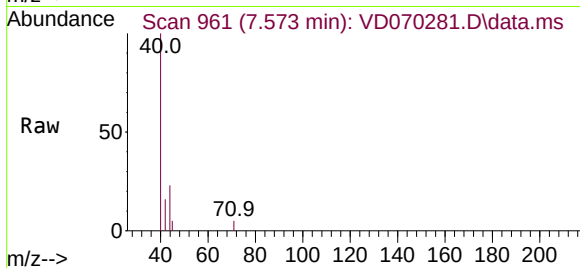
RT: 7.573 min Scan# 961

Delta R.T. 0.012 min

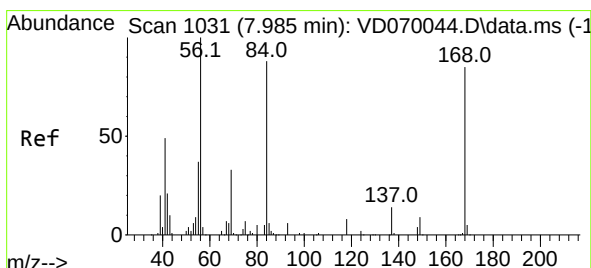
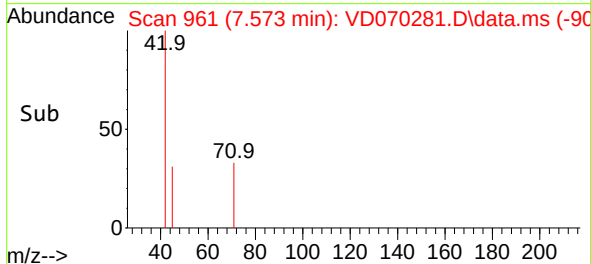
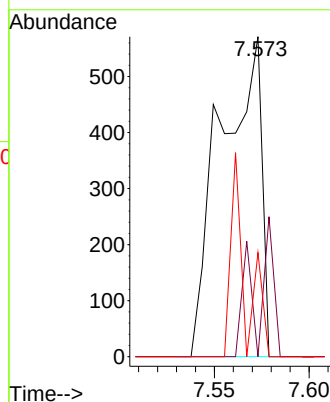
Lab File: VD070281.D

Acq: 31 Aug 2021 15:57

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	42	Resp:	853
Ion Ratio	Lower	Upper	
42	100		
72	8.6	37.5	56.3#
71	22.7	33.6	50.4#



#31

Cyclohexane

Concen: 1.177 ug/l

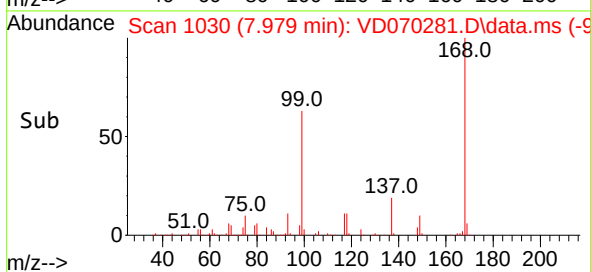
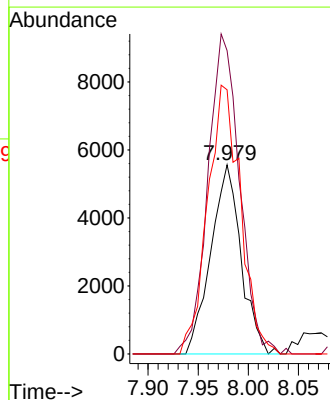
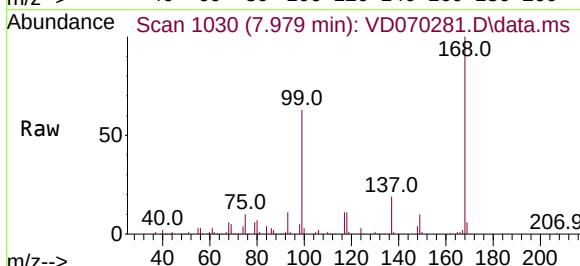
RT: 7.979 min Scan# 1030

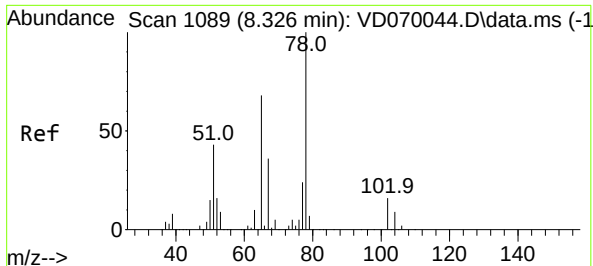
Delta R.T. -0.006 min

Lab File: VD070281.D

Acq: 31 Aug 2021 15:57

Tgt Ion:	56	Resp:	11670
Ion Ratio	Lower	Upper	
56	100		
69	160.5	26.7	40.1#
84	139.7	70.4	105.6#





#33

1,2-Dichloroethane-d4

Concen: 56.495 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD070281.D

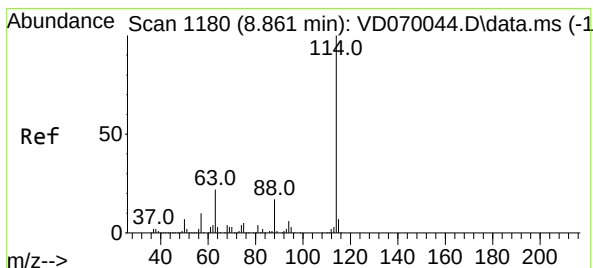
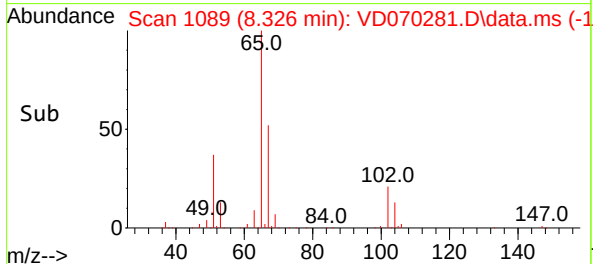
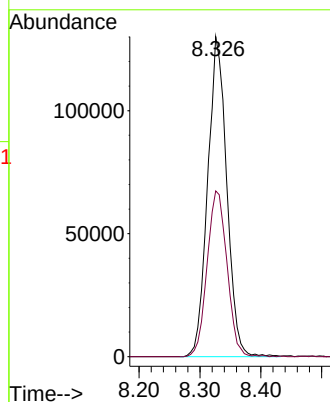
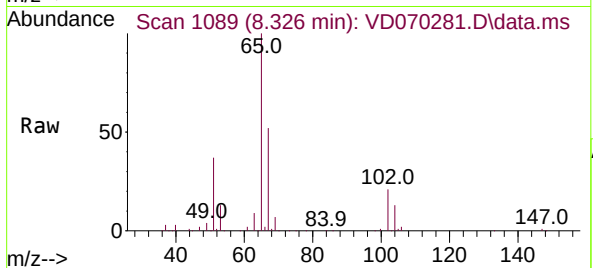
Acq: 31 Aug 2021 15:57

Tgt Ion: 65 Resp: 283092

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070281.D

Acq: 31 Aug 2021 15:57

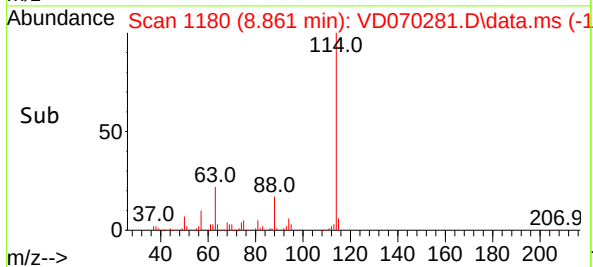
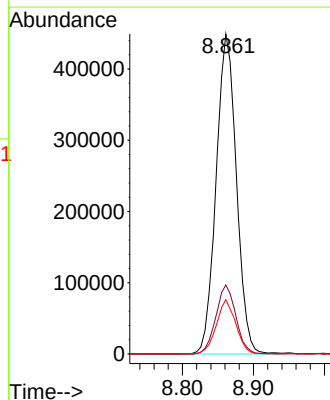
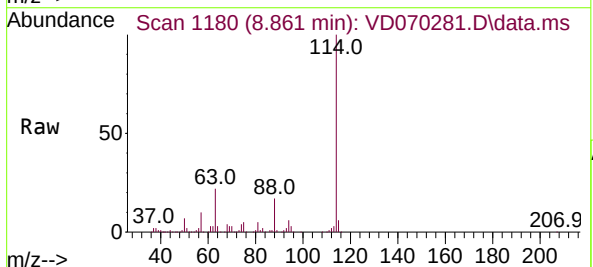
Tgt Ion: 114 Resp: 889918

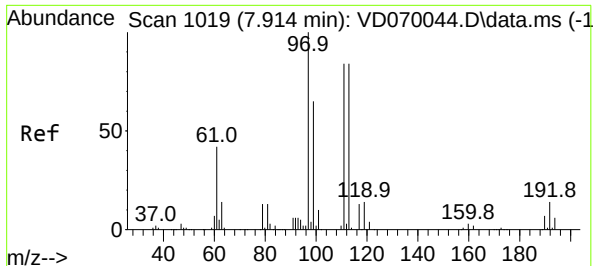
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.6

88 16.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 34.339 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070281.D

Acq: 31 Aug 2021 15:57

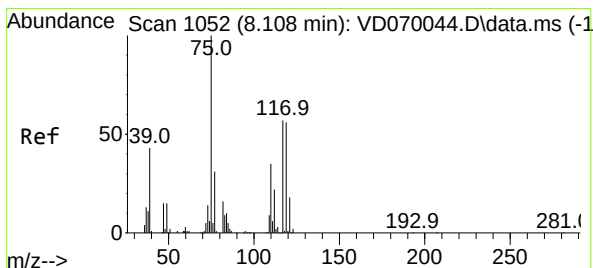
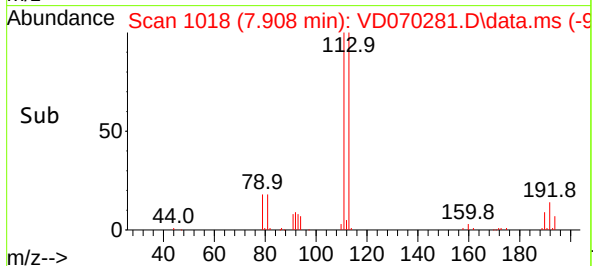
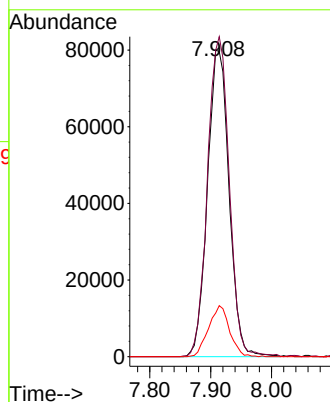
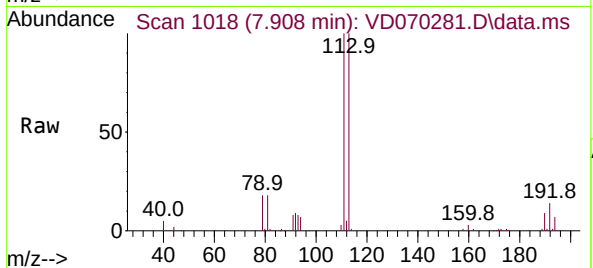
Tgt Ion:113 Resp: 197428

Ion Ratio Lower Upper

113 100

111 104.9 81.8 122.6

192 16.1 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.133 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070281.D

Acq: 31 Aug 2021 15:57

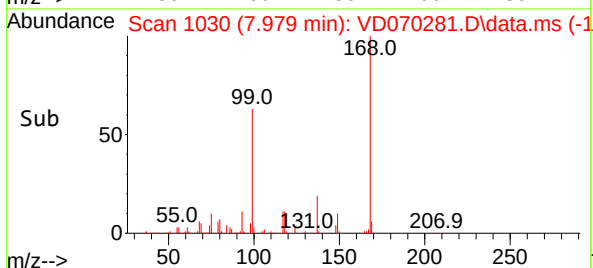
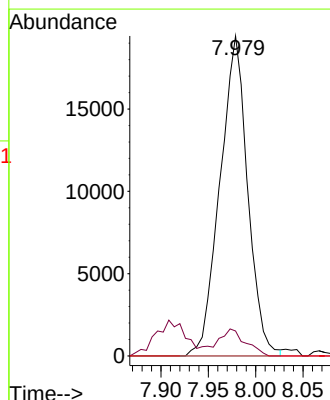
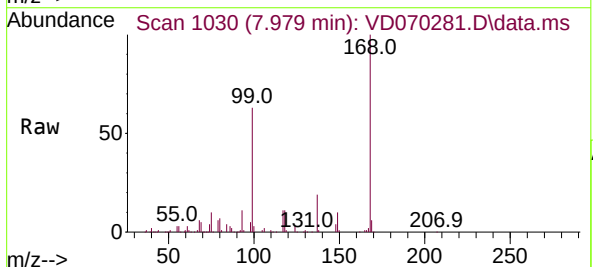
Tgt Ion: 75 Resp: 39570

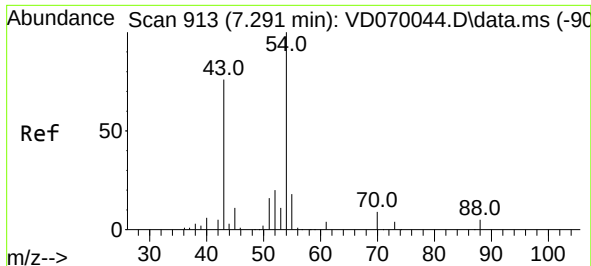
Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.7#

77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.268 ug/l

RT: 7.220 min Scan# 901

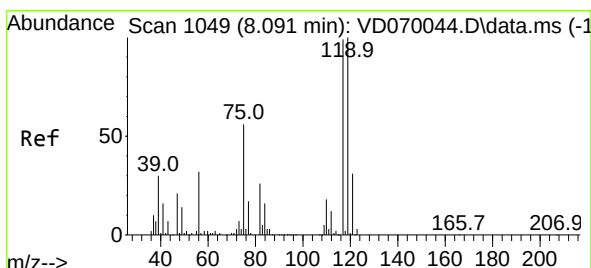
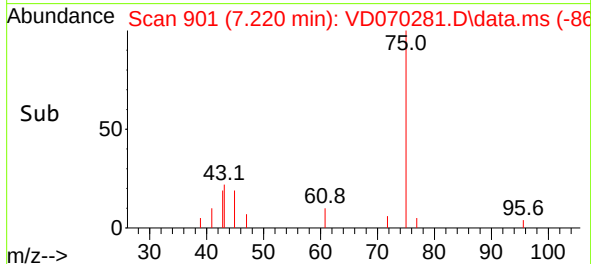
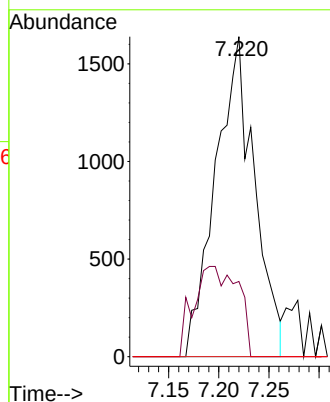
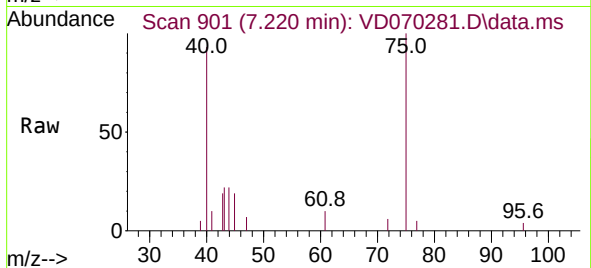
Delta R.T. -0.071 min

Lab File: VD070281.D

Acq: 31 Aug 2021 15:57

Tgt Ion:	43	Resp:	4408
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.8	17.6#
70	0.0	9.0	13.6#

Instrument :
MSVOA_D
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.136 ug/l

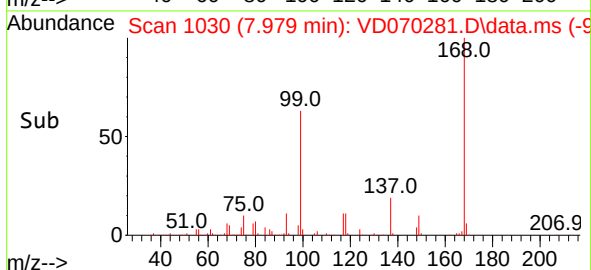
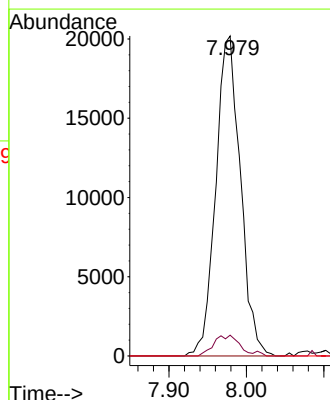
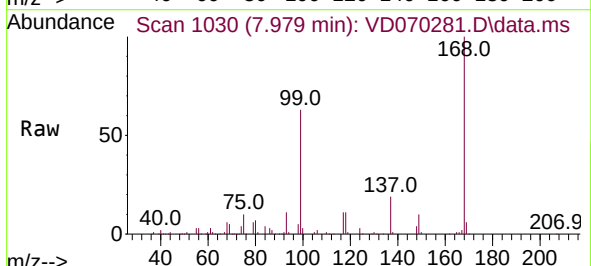
RT: 7.979 min Scan# 1030

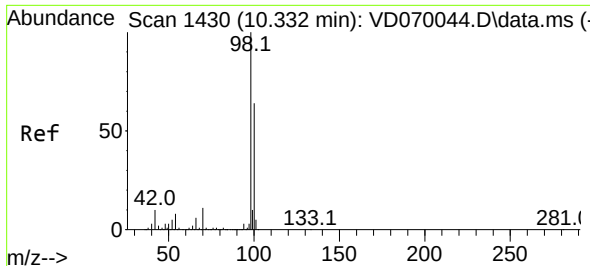
Delta R.T. -0.112 min

Lab File: VD070281.D

Acq: 31 Aug 2021 15:57

Tgt Ion:	117	Resp:	44636
Ion Ratio	Lower	Upper	
117	100		
119	6.5	81.0	121.6#
121	0.0	25.0	37.6#

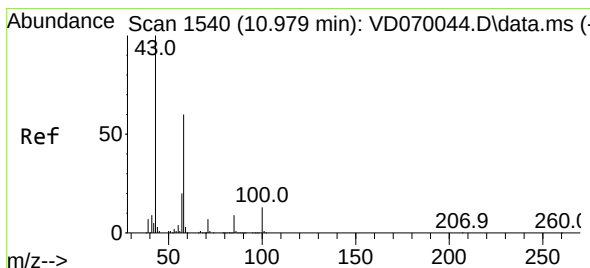
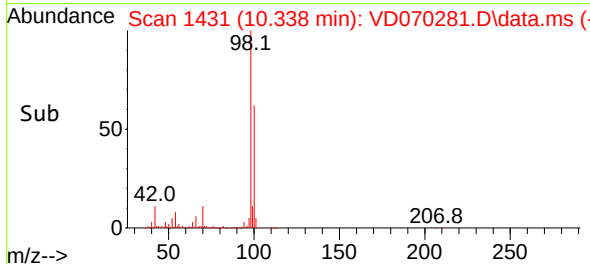
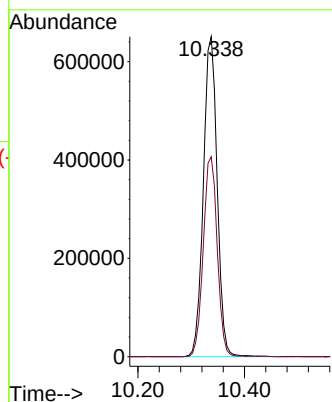
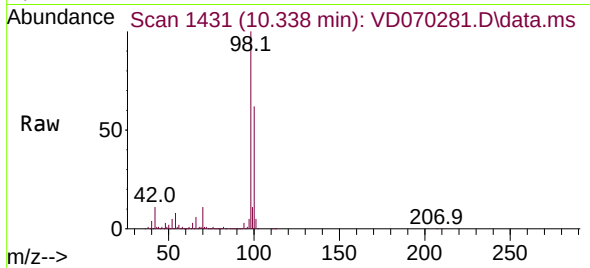




#50
Toluene-d8
Concen: 52.292 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

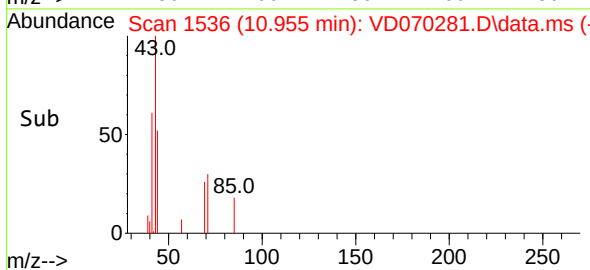
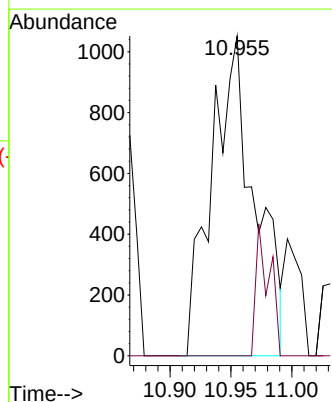
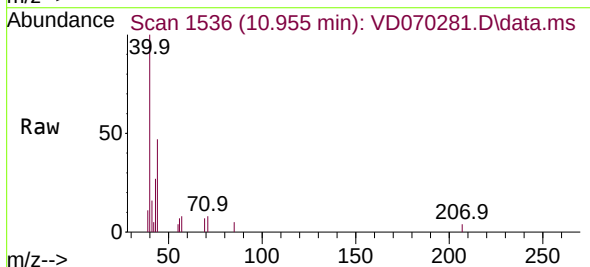
Instrument :
MSVOA_D
ClientSampleId :

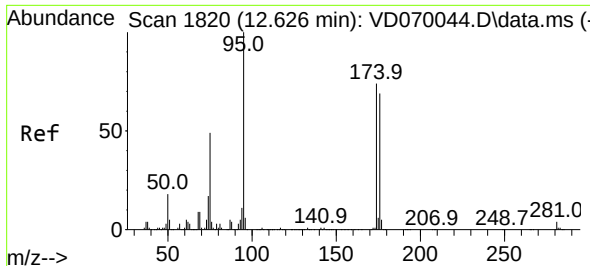
Tgt Ion: 98 Resp: 1169368
Ion Ratio Lower Upper
98 100
100 63.2 52.6 78.8



#59
2-Hexanone
Concen: 1.152 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.024 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

Tgt Ion: 43 Resp: 2604
Ion Ratio Lower Upper
43 100
58 13.0 29.5 88.5#

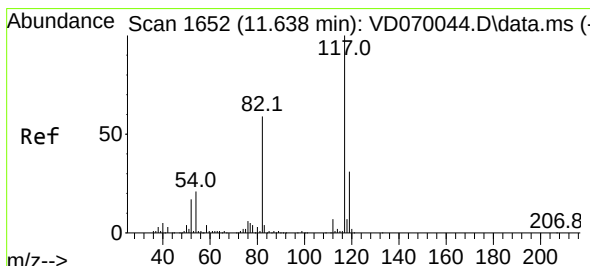
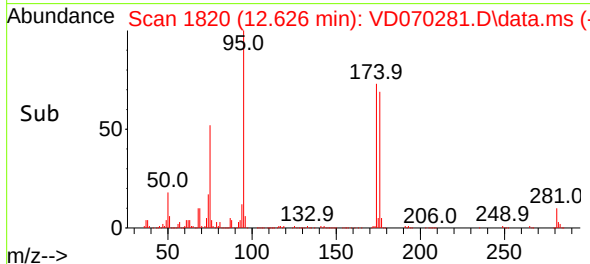
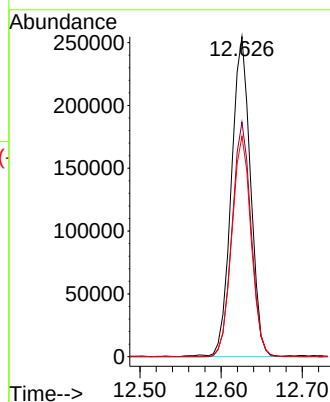
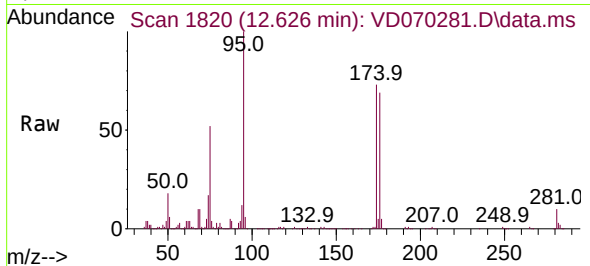




#62
4-Bromofluorobenzene
Concen: 56.442 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

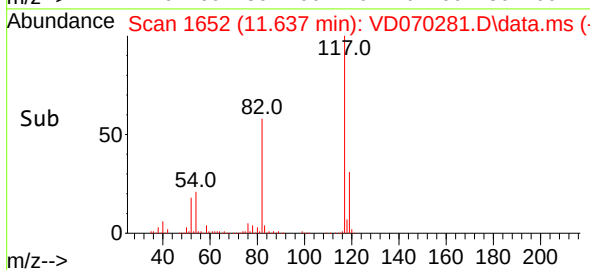
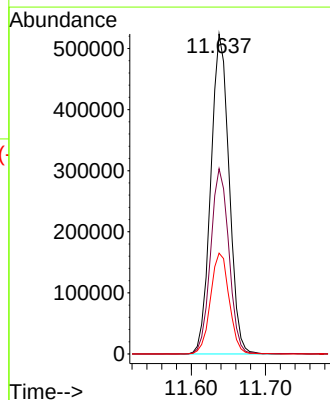
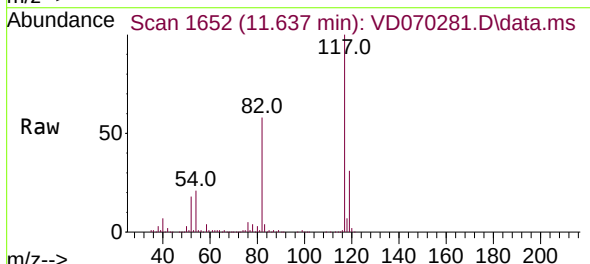
Instrument :
MSVOA_D
ClientSampleId :

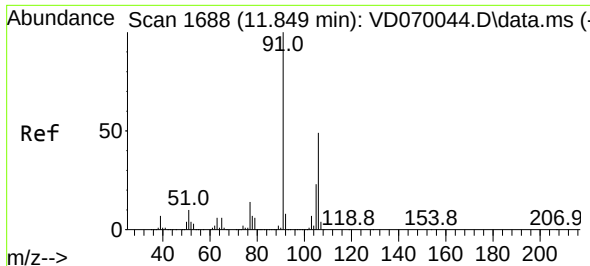
Tgt Ion: 95 Resp: 415727
Ion Ratio Lower Upper
95 100
174 73.0 0.0 141.6
176 69.4 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

Tgt Ion: 117 Resp: 896424
Ion Ratio Lower Upper
117 100
82 57.8 47.5 71.3
119 31.5 25.1 37.7

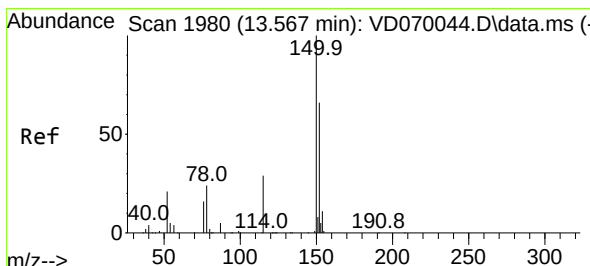
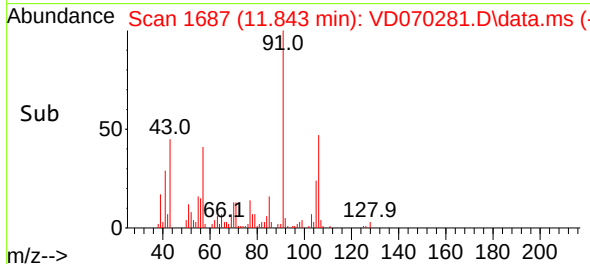
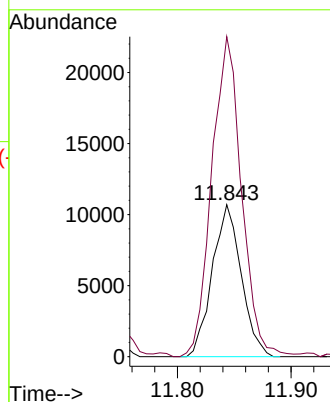
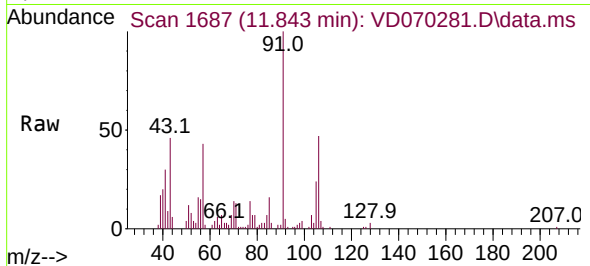




#68
m/p-Xylenes
Concen: 1.475 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

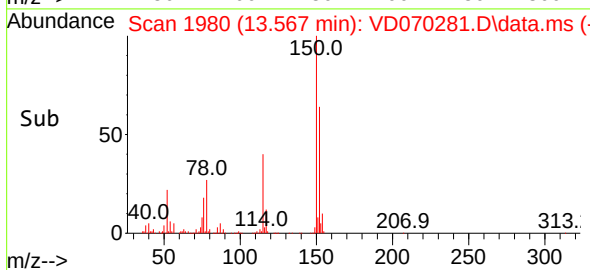
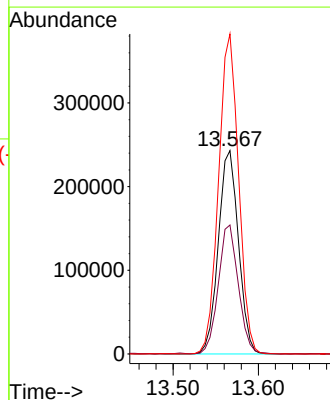
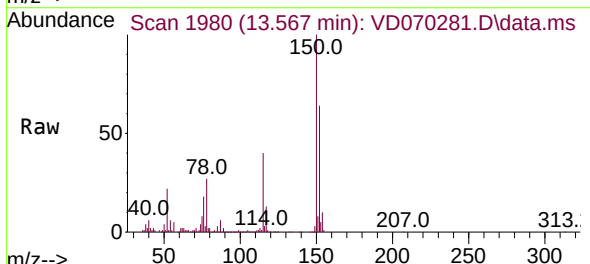
Instrument :
MSVOA_D
ClientSampled :

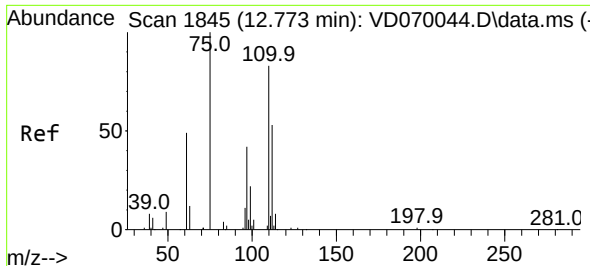
Tgt Ion:106 Resp: 18931
Ion Ratio Lower Upper
106 100
91 216.4 164.6 246.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

Tgt Ion:152 Resp: 399558
Ion Ratio Lower Upper
152 100
115 63.1 31.2 93.6
150 156.1 0.0 352.0

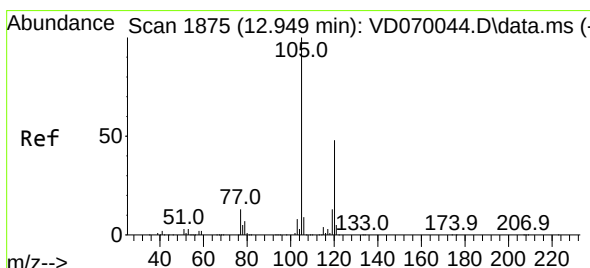
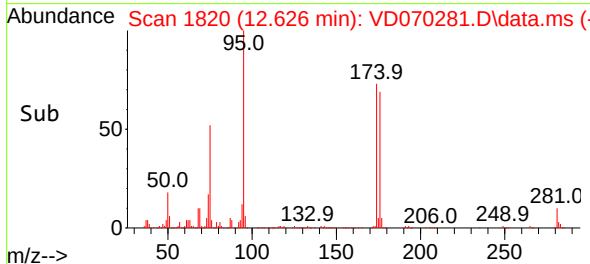
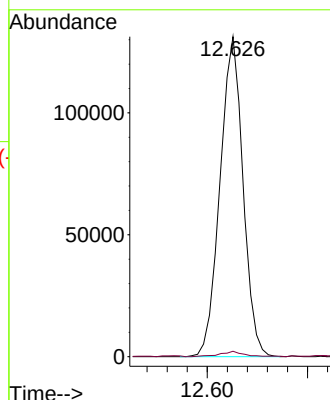
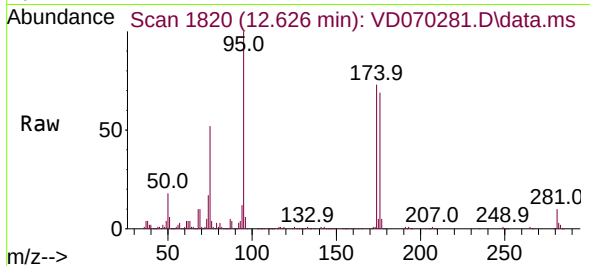




#76
1,2,3-Trichloropropane
Concen: 51.476 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

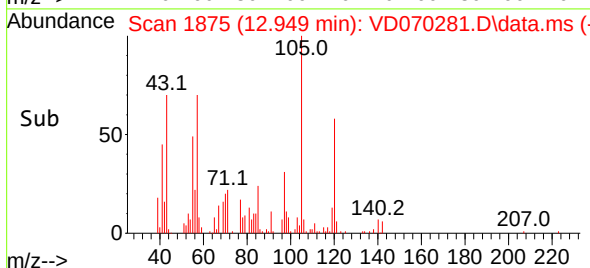
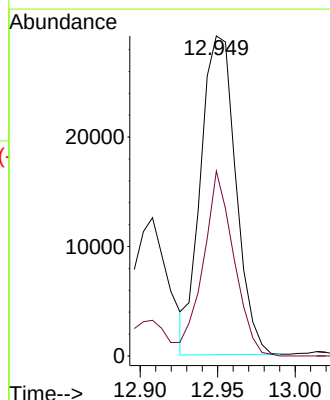
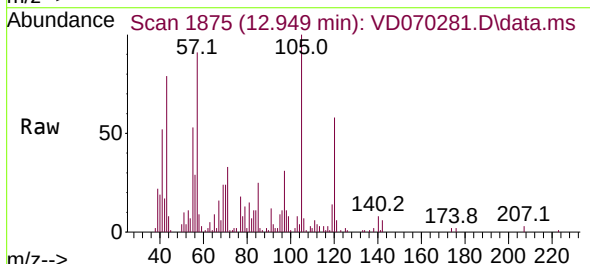
Instrument :
MSVOA_D
ClientSampleId :

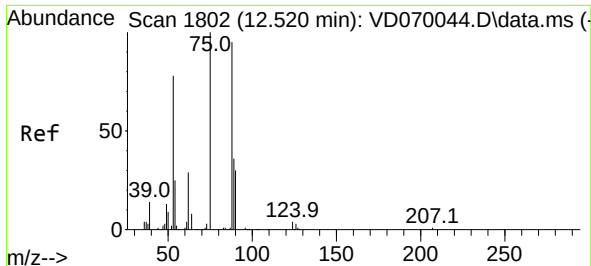
Tgt Ion: 75 Resp: 208583
Ion Ratio Lower Upper
75 100
77 1.8 182.4 547.2#



#80
1,3,5-Trimethylbenzene
Concen: 1.850 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

Tgt Ion:105 Resp: 45891
Ion Ratio Lower Upper
105 100
120 51.1 24.5 73.5

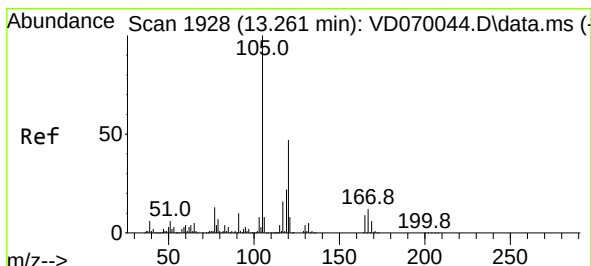
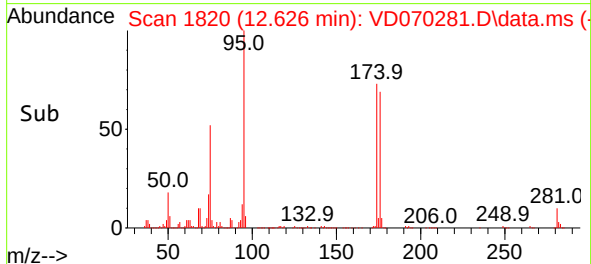
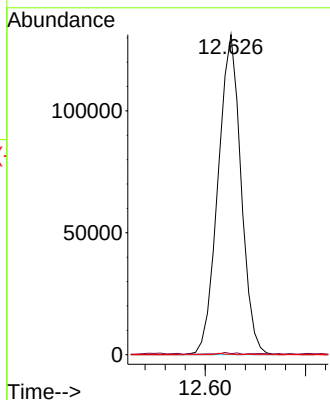
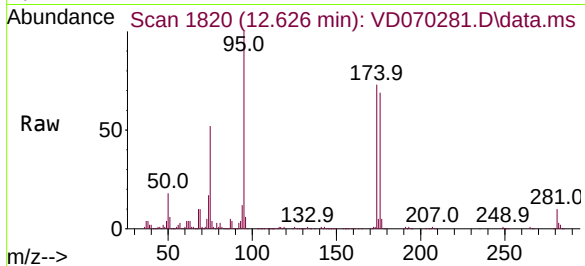




#81
trans-1,4-Dichloro-2-butene
Concen: 133.612 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

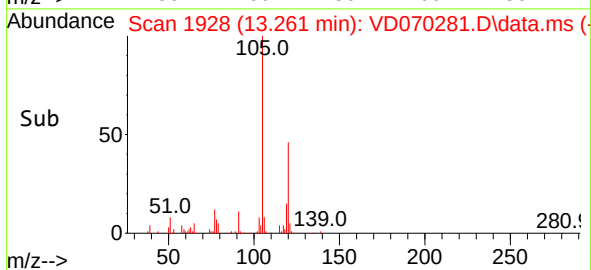
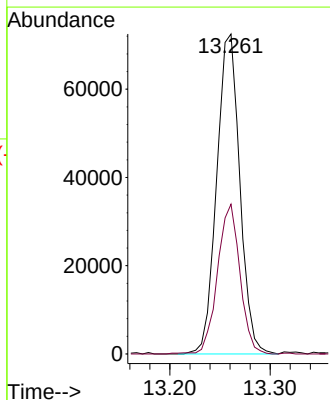
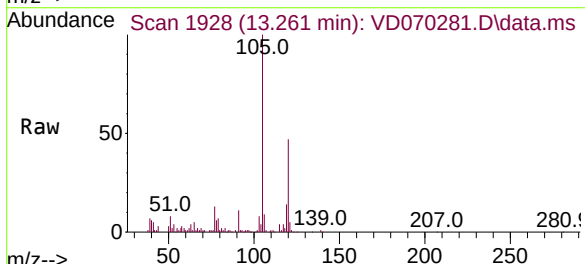
Instrument :
MSVOA_D
ClientSampleId :

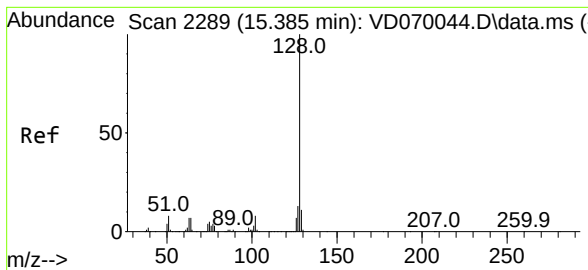
Tgt Ion: 75 Resp: 208583
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.2 33.7 50.5#



#84
1,2,4-Trimethylbenzene
Concen: 4.713 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

Tgt Ion:105 Resp: 115977
Ion Ratio Lower Upper
105 100
120 45.5 22.5 67.5





#95
Naphthalene
Concen: 2.201 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070281.D
Acq: 31 Aug 2021 15:57

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	20.2	10.5	15.7#
129	10.8	8.3	12.5

