

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112122\
 Data File : VD075002.D
 Acq On : 21 Nov 2022 14:29
 Operator : VA/SY
 Sample : N5664-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 00:18:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

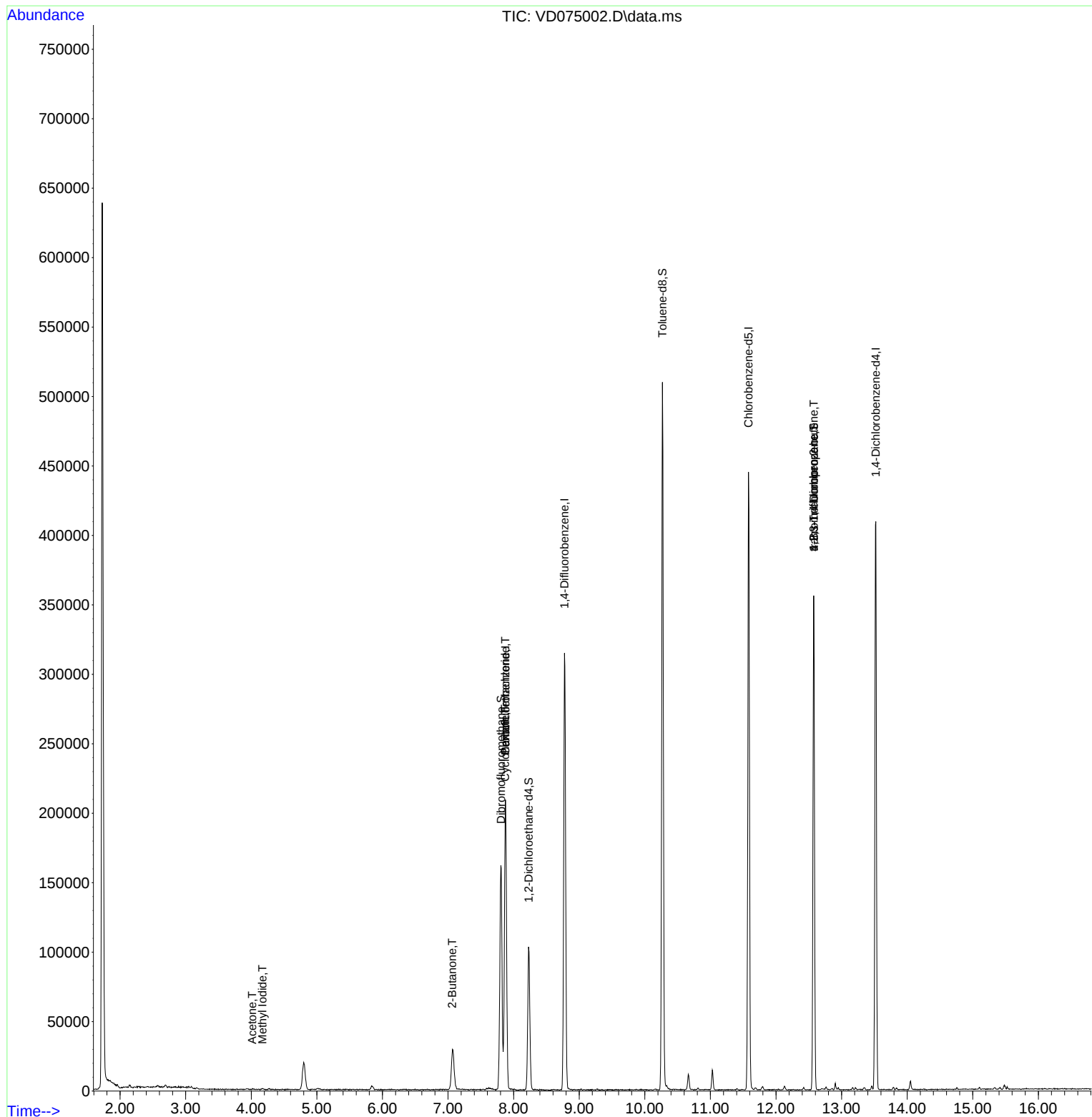
Internal Standards						
1) Pentafluorobenzene	7.875	168	167066	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	302685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	276172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	117845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	78834	73.841	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.680%	
35) Dibromofluoromethane	7.810	113	118403	63.458	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 126.920%	
50) Toluene-d8	10.269	98	363876	59.204	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 118.400%	
62) 4-Bromofluorobenzene	12.575	95	107569	56.997	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	332	Below Cal	#	40
3) Chloromethane	2.146	50	977	Below Cal		98
5) Bromomethane	2.693	94	1414	Below Cal	#	60
10) Methyl Iodide	4.169	142	849	5.148	ug/l #	68
11) Tert butyl alcohol	5.069	59	94	Below Cal	#	84
16) Acetone	4.017	43	776	2.814	ug/l #	37
18) Methyl Acetate	4.558	43	72	Below Cal	#	44
20) Methylene Chloride	4.805	84	17428	Below Cal		94
25) 2-Butanone	7.063	43	1323	3.668	ug/l #	42
31) Cyclohexane	7.869	56	3243	1.331	ug/l #	17
38) Carbon Tetrachloride	7.875	117	15540	6.020	ug/l #	19
76) 1,2,3-Trichloropropane	12.575	75	53113	53.886	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	53113	132.561	ug/l #	17

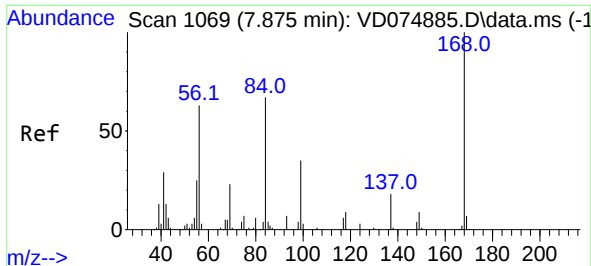
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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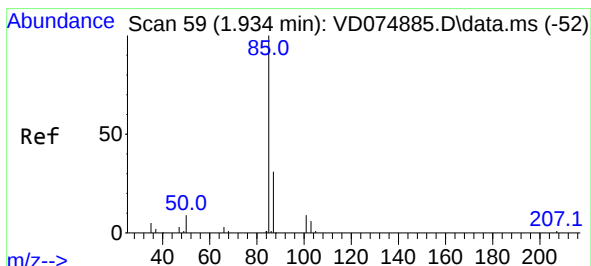
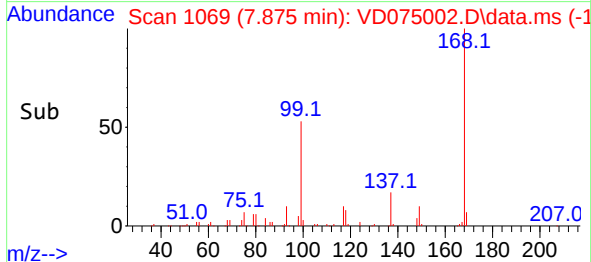
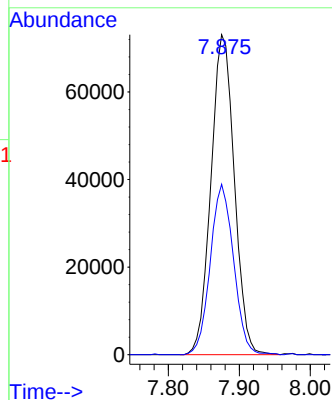
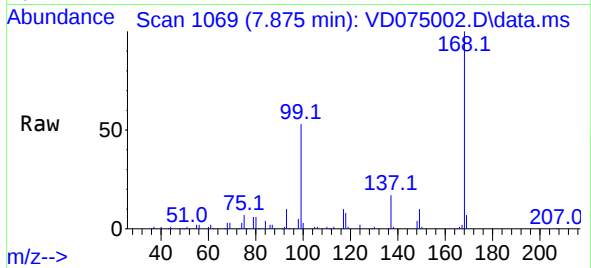




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075002.D
Acq: 21 Nov 2022 14:29

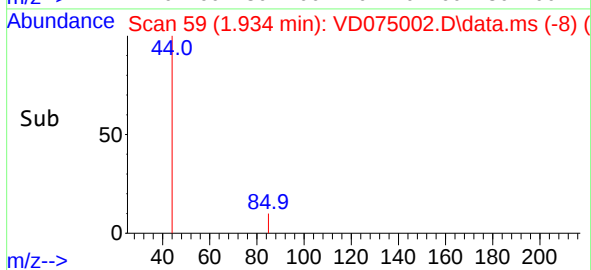
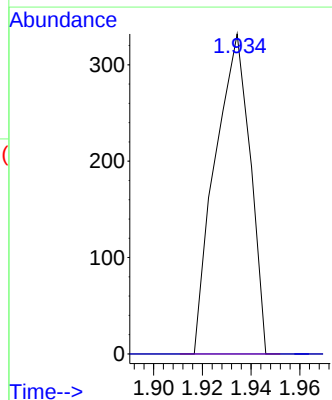
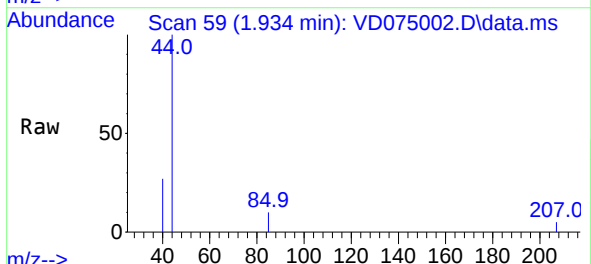
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 167066
Ion Ratio Lower Upper
168 100
99 53.3 40.9 61.3

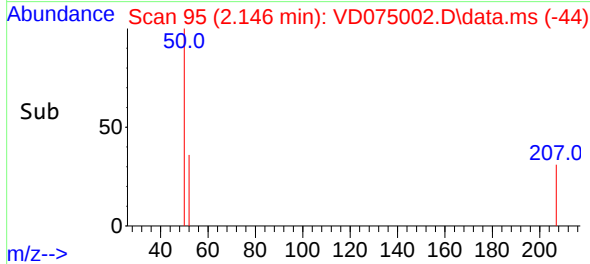
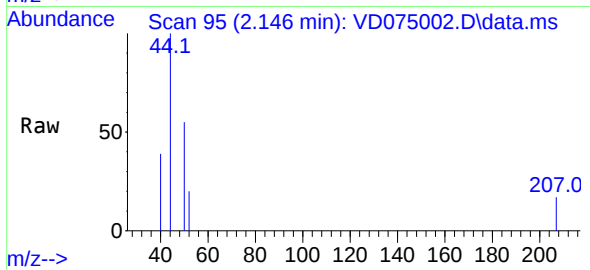
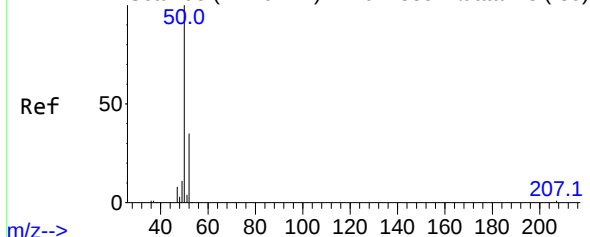


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD075002.D
Acq: 21 Nov 2022 14:29

Tgt Ion: 85 Resp: 332
Ion Ratio Lower Upper
85 100
87 0.0 17.5 52.6#



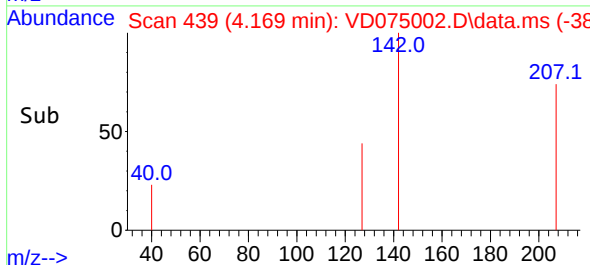
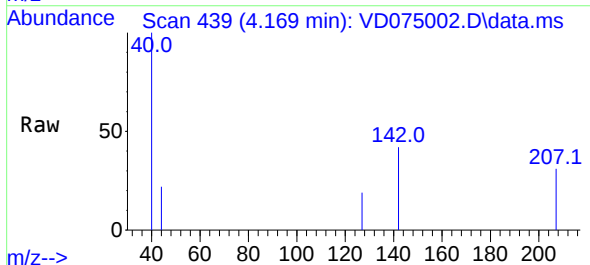
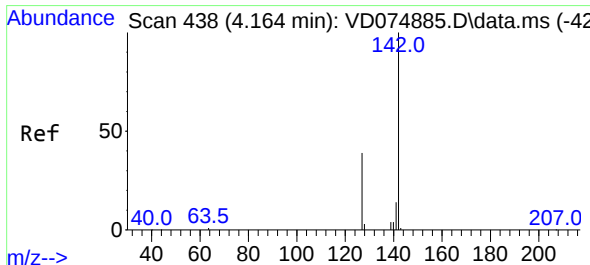
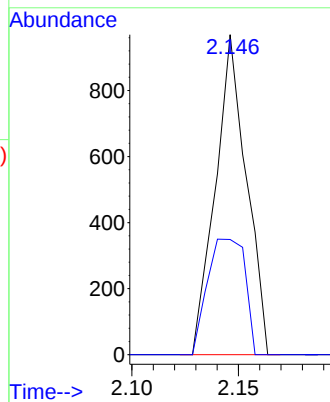
Abundance Scan 95 (2.146 min): VD074885.D\data.ms (-89)



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD075002.D
Acq: 21 Nov 2022 14:29

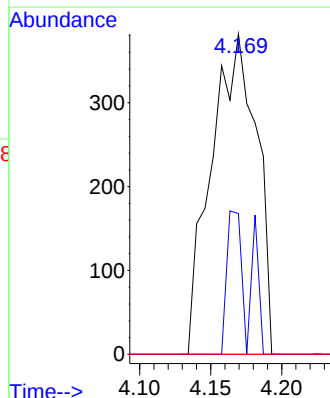
Instrument :
MSVOA_D
ClientSampleId :

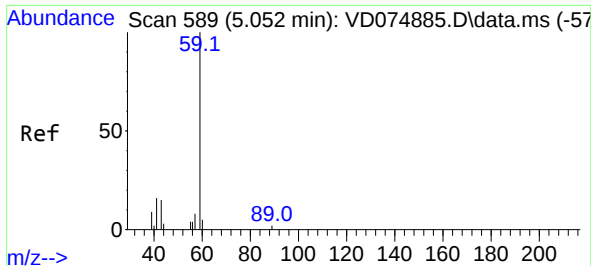
Tgt Ion: 50 Resp: 977
Ion Ratio Lower Upper
50 100
52 36.0 30.0 45.0



#10
Methyl Iodide
Concen: 5.148 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.005 min
Lab File: VD075002.D
Acq: 21 Nov 2022 14:29

Tgt Ion:142 Resp: 849
Ion Ratio Lower Upper
142 100
127 21.0 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.069 min Scan# 592

Delta R.T. 0.017 min

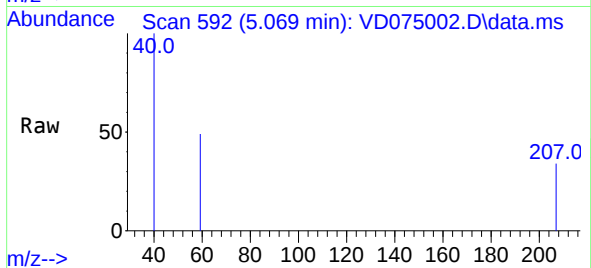
Lab File: VD075002.D

Acq: 21 Nov 2022 14:29

Instrument :

MSVOA_D

ClientSampleId :

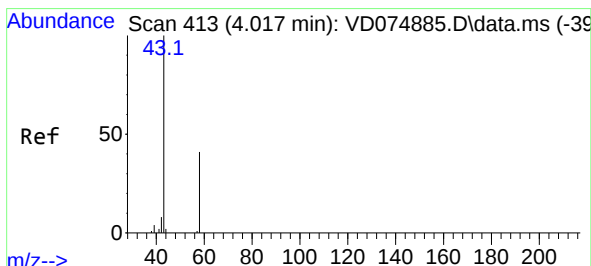
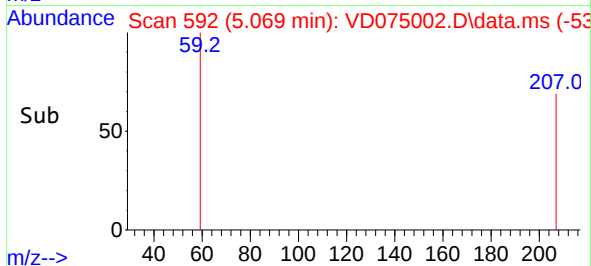
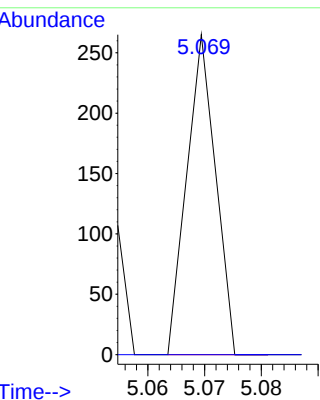


Tgt Ion: 59 Resp: 94

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 2.814 ug/l

RT: 4.017 min Scan# 413

Delta R.T. -0.000 min

Lab File: VD075002.D

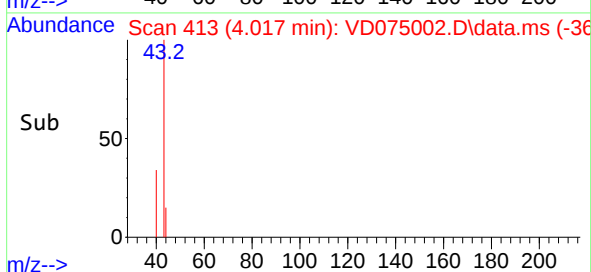
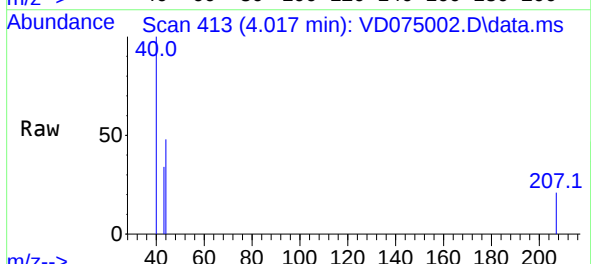
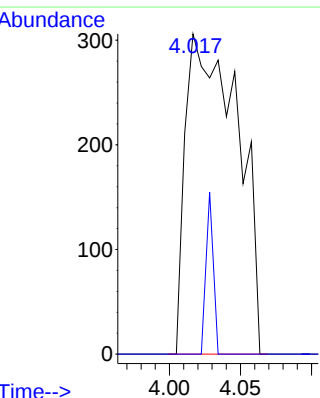
Acq: 21 Nov 2022 14:29

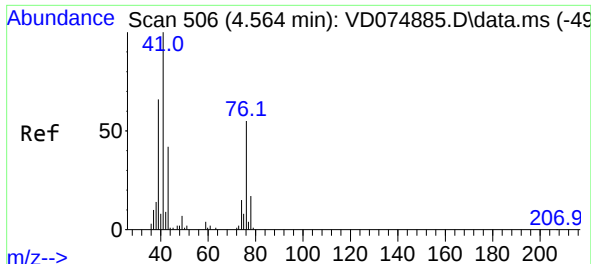
Tgt Ion: 43 Resp: 776

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#

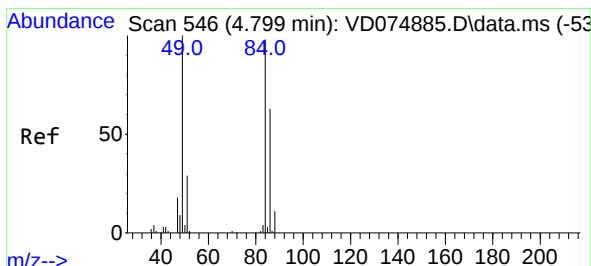
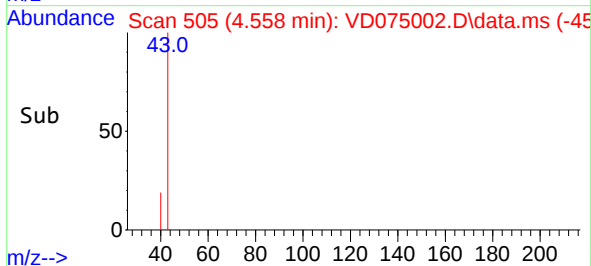
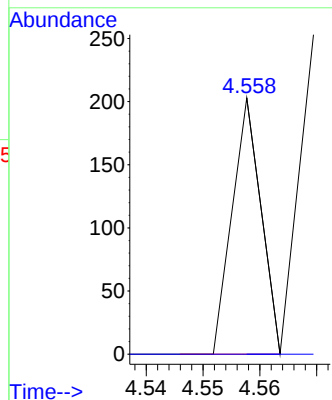
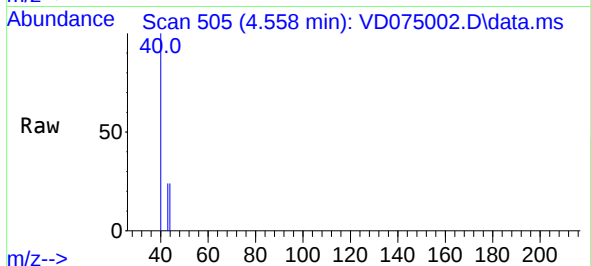




#18
Methyl Acetate
Concen: Below Cal
RT: 4.558 min Scan# 50
Delta R.T. -0.006 min
Lab File: VD075002.D
Acq: 21 Nov 2022 14:29

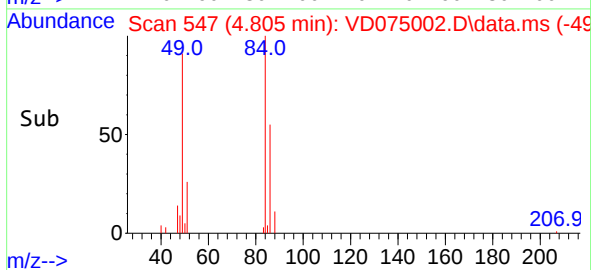
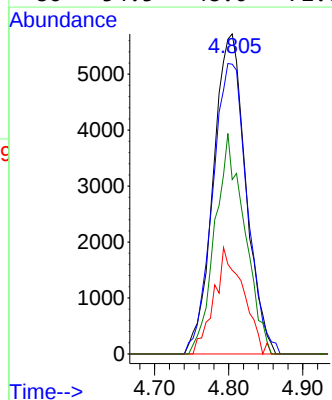
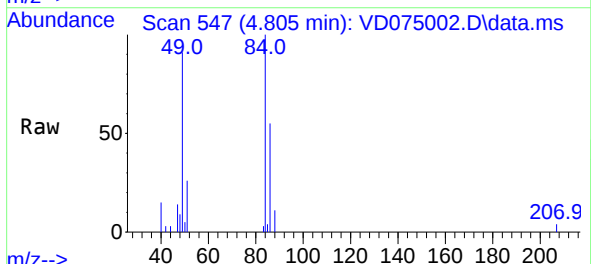
Instrument :
MSVOA_D
ClientSampleId :

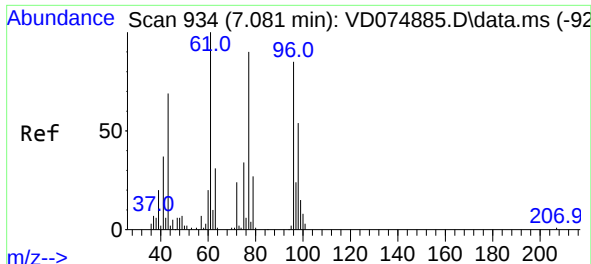
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
74 0.0 24.7 37.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD075002.D
Acq: 21 Nov 2022 14:29

Tgt Ion: 84 Resp: 17428
Ion Ratio Lower Upper
84 100
49 90.6 68.0 102.0
51 26.1 23.2 34.8
86 54.5 48.0 72.0





#25

2-Butanone

Concen: 3.668 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.018 min

Lab File: VD075002.D

Acq: 21 Nov 2022 14:29

Instrument :

MSVOA_D

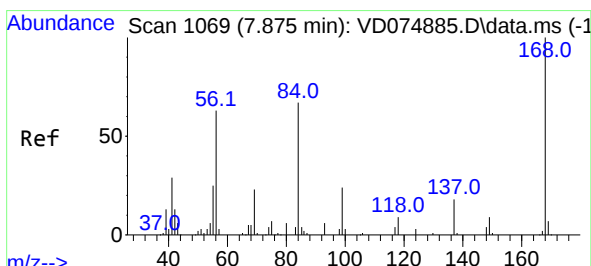
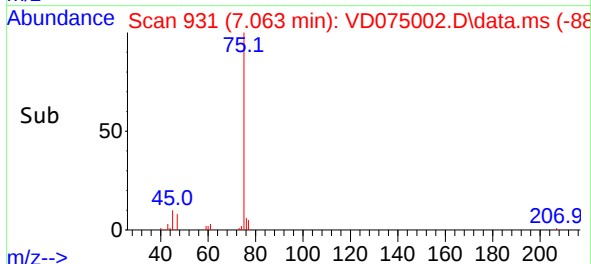
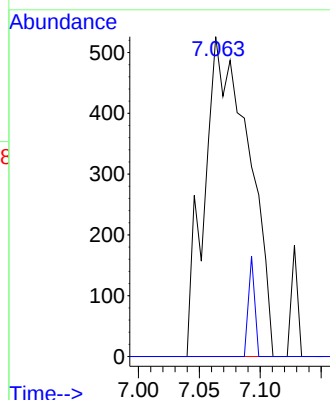
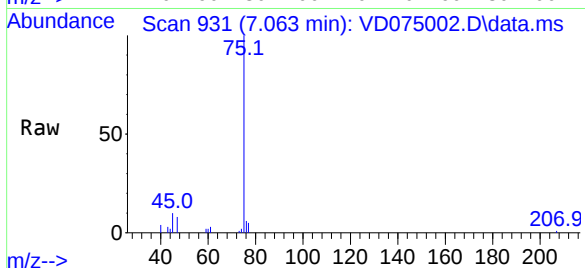
ClientSampleId :

Tgt Ion: 43 Resp: 1323

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#31

Cyclohexane

Concen: 1.331 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD075002.D

Acq: 21 Nov 2022 14:29

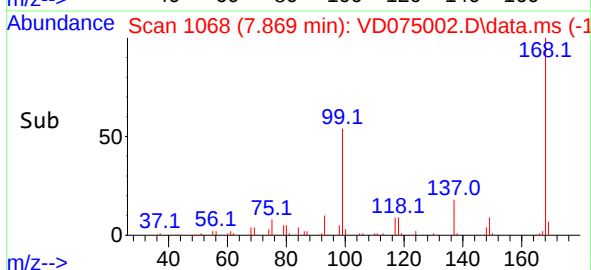
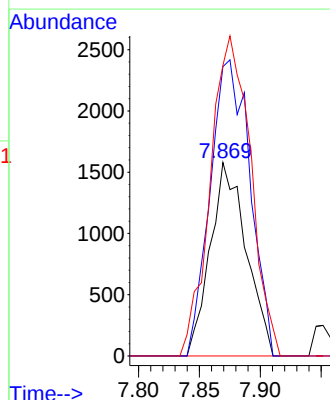
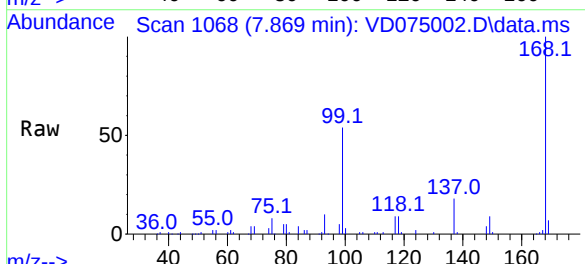
Tgt Ion: 56 Resp: 3243

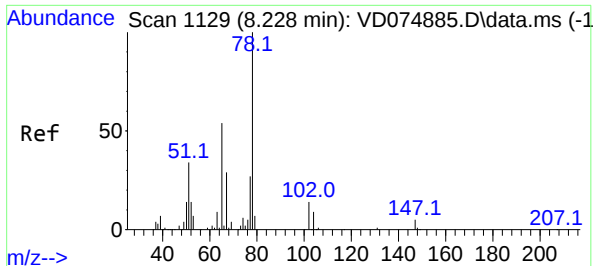
Ion Ratio Lower Upper

56 100

69 149.5 29.2 43.8#

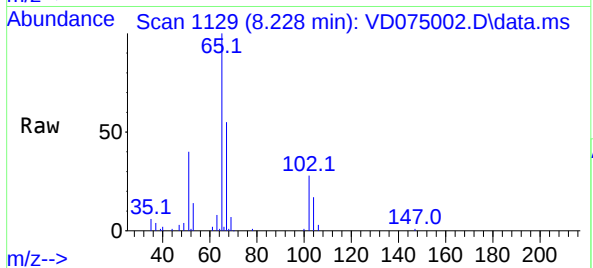
84 150.2 83.4 125.2#



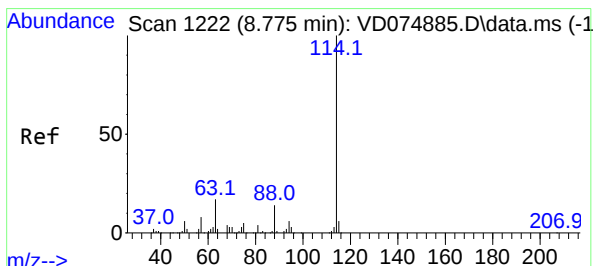
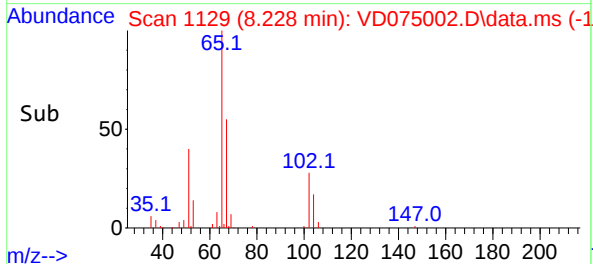
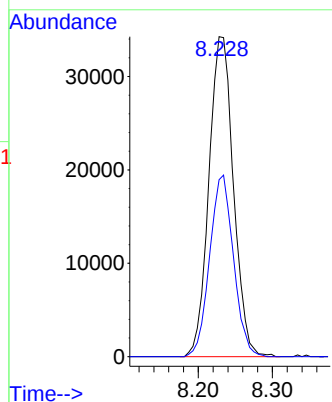


#33
 1,2-Dichloroethane-d4
 Concen: 73.841 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VD075002.D
 Acq: 21 Nov 2022 14:29

Instrument :
 MSVOA_D
 ClientSampleId :

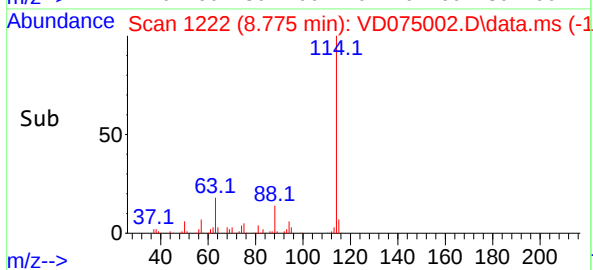
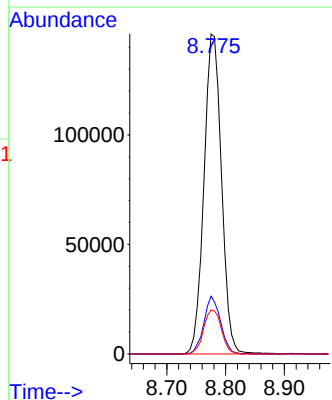
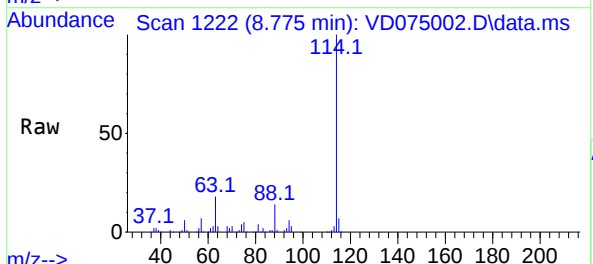


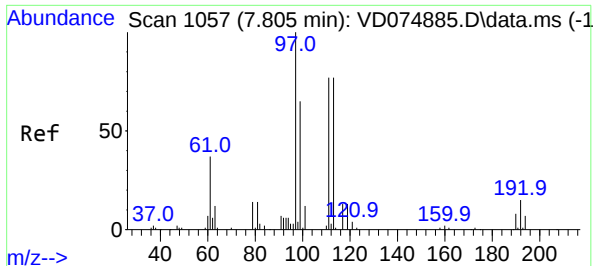
Tgt Ion: 65 Resp: 78834
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. 0.000 min
 Lab File: VD075002.D
 Acq: 21 Nov 2022 14:29

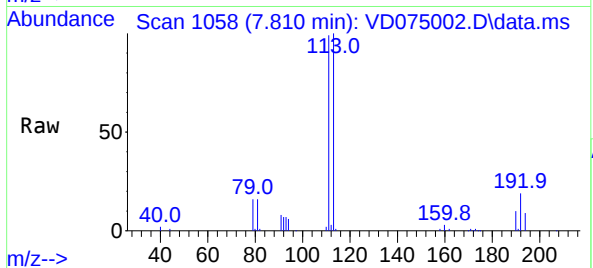
Tgt Ion: 114 Resp: 302685
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 33.2
 88 13.8 0.0 28.2





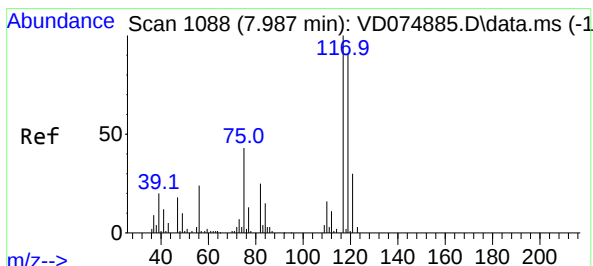
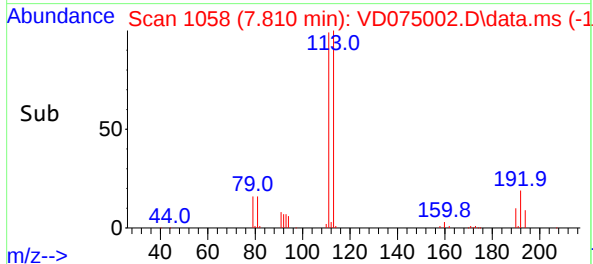
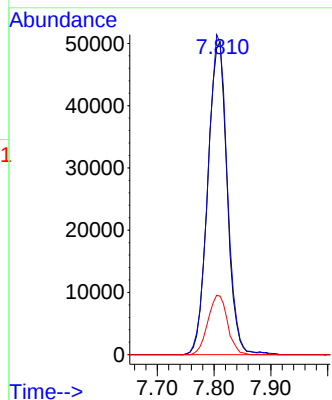
#35
 Dibromofluoromethane
 Concen: 63.458 ug/l
 RT: 7.810 min Scan# 1058
 Delta R.T. 0.005 min
 Lab File: VD075002.D
 Acq: 21 Nov 2022 14:29

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:113 Resp: 118403

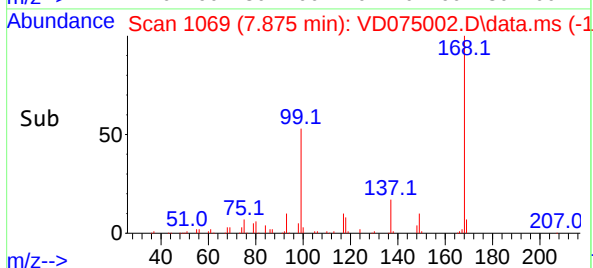
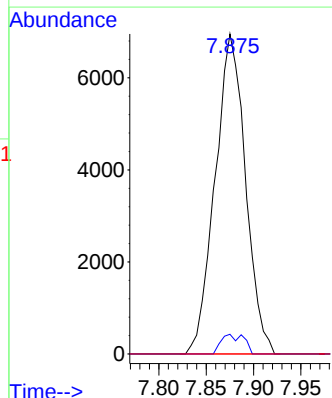
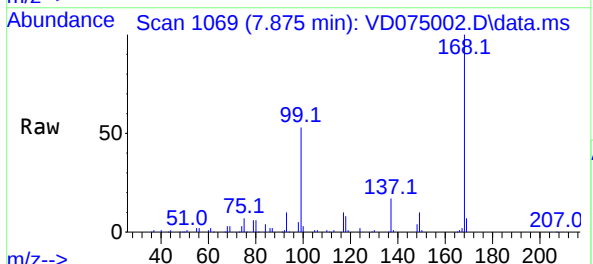
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.3	123.5
192	19.2	16.4	24.6

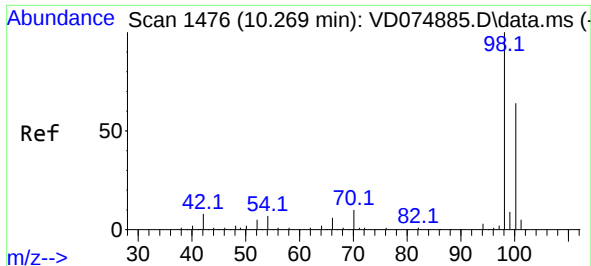


#38
 Carbon Tetrachloride
 Concen: 6.020 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.112 min
 Lab File: VD075002.D
 Acq: 21 Nov 2022 14:29

Tgt Ion:117 Resp: 15540

Ion	Ratio	Lower	Upper
117	100		
119	6.2	73.1	109.7#
121	0.0	25.0	37.6#

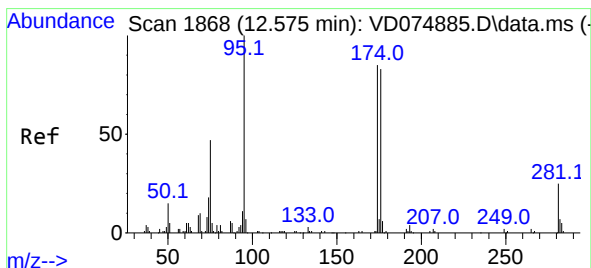
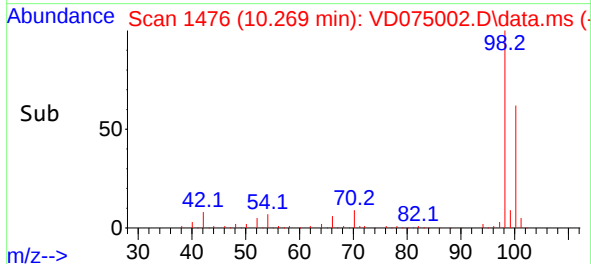
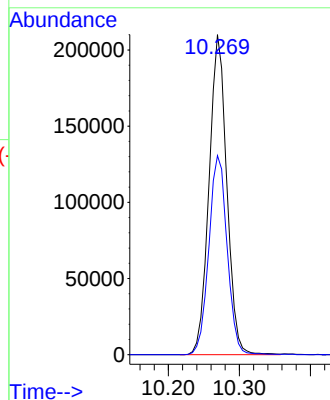
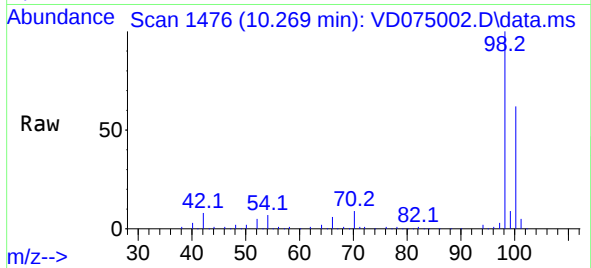




#50
Toluene-d8
Concen: 59.204 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075002.D
Acq: 21 Nov 2022 14:29

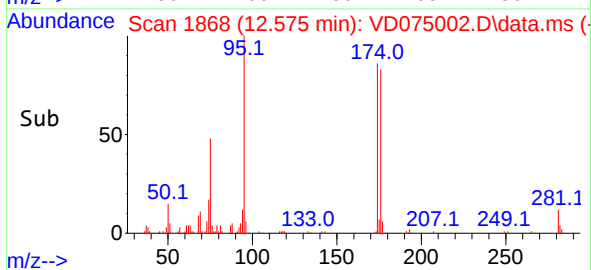
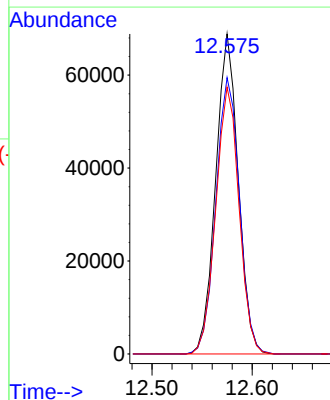
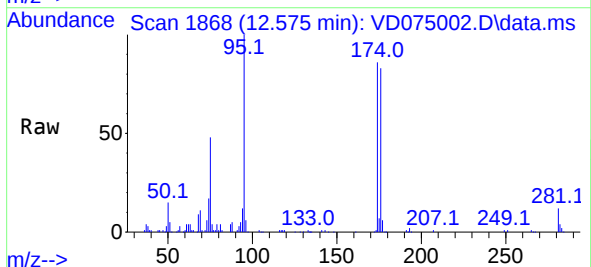
Instrument :
MSVOA_D
ClientSampleId :

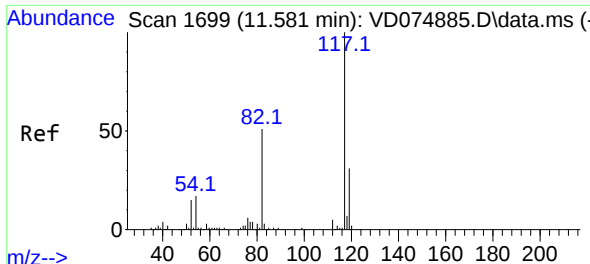
Tgt Ion: 98 Resp: 363876
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 56.997 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075002.D
Acq: 21 Nov 2022 14:29

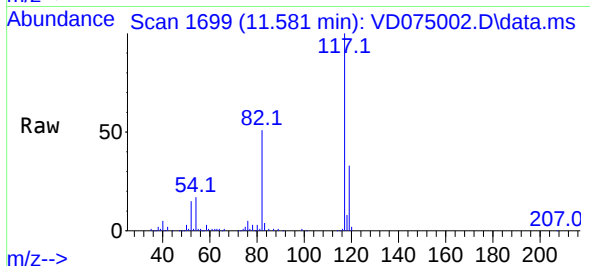
Tgt Ion: 95 Resp: 107569
Ion Ratio Lower Upper
95 100
174 90.4 0.0 197.0
176 86.0 0.0 182.6



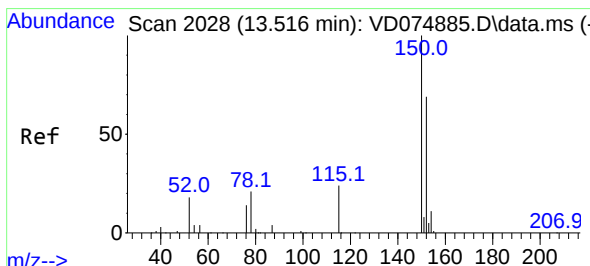
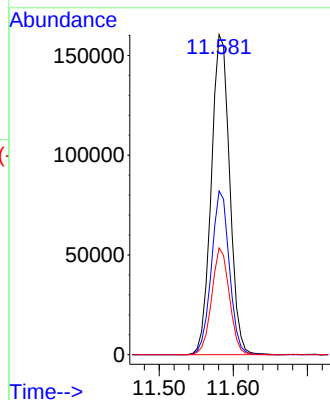
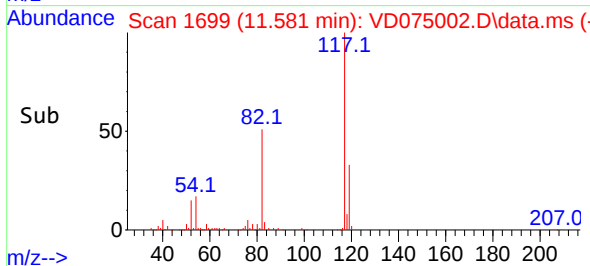


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075002.D
Acq: 21 Nov 2022 14:29

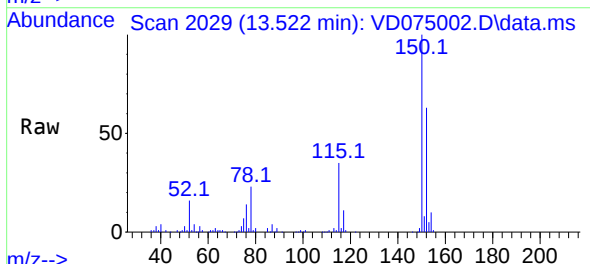
Instrument :
MSVOA_D
ClientSampleId :



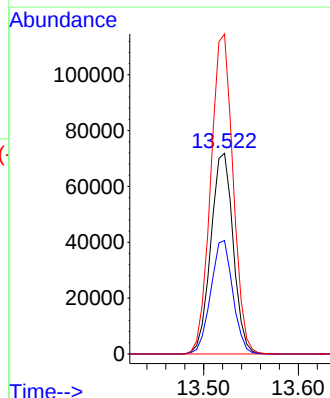
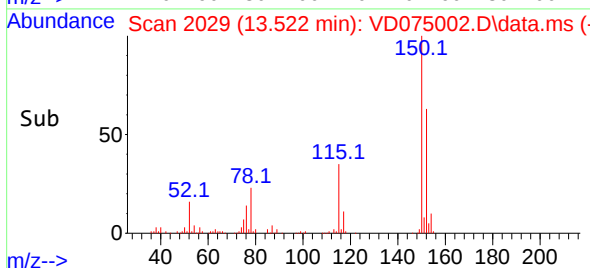
Tgt Ion:117 Resp: 276172
Ion Ratio Lower Upper
117 100
82 51.2 41.6 62.4
119 33.4 25.2 37.8

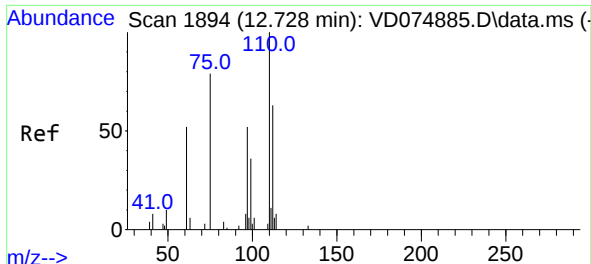


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD075002.D
Acq: 21 Nov 2022 14:29



Tgt Ion:152 Resp: 117845
Ion Ratio Lower Upper
152 100
115 55.8 26.8 80.4
150 159.1 0.0 348.2

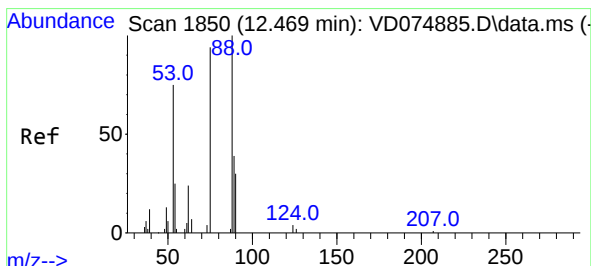
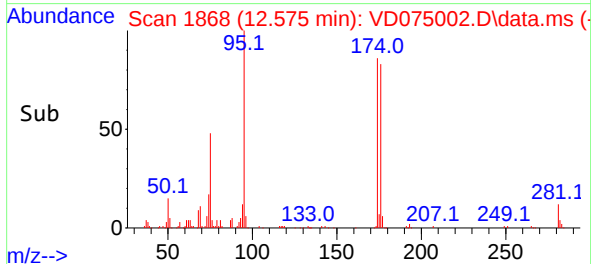
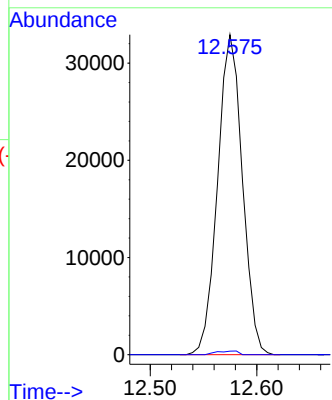
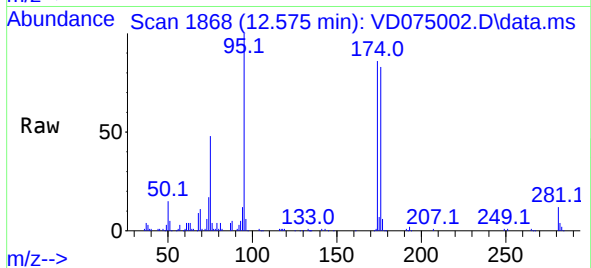




#76
1,2,3-Trichloropropane
Concen: 53.886 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075002.D
Acq: 21 Nov 2022 14:29

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 53113
Ion Ratio Lower Upper
75 100
77 1.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.561 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075002.D
Acq: 21 Nov 2022 14:29

Tgt Ion: 75 Resp: 53113
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

