

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100722\
 Data File : VD074486.D
 Acq On : 07 Oct 2022 13:05
 Operator : VA/SY
 Sample : N5014-14RE
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 08 02:24:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:54:40 2022
 Response via : Initial Calibration

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

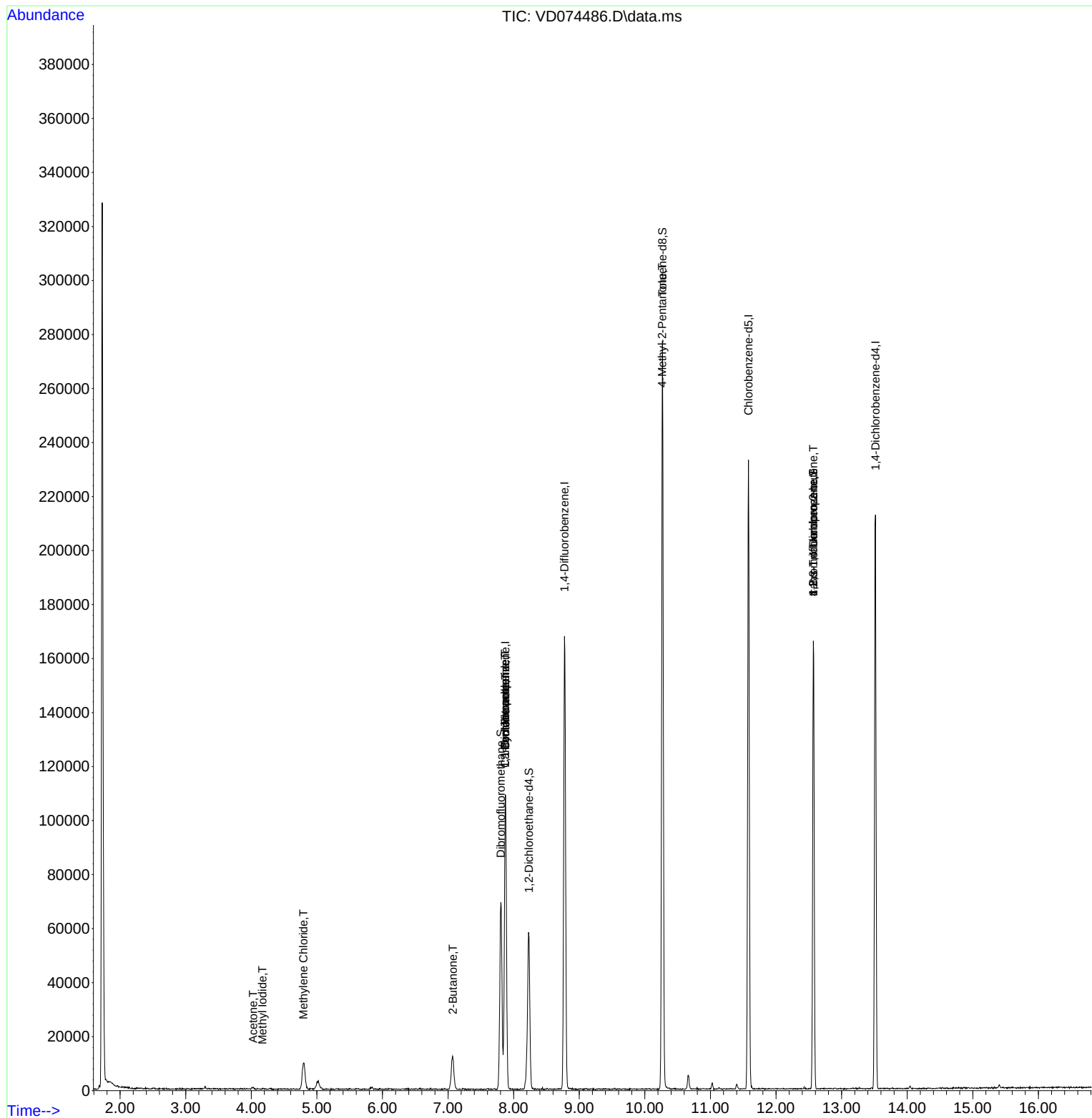
Internal Standards						
1) Pentafluorobenzene	7.875	168	87370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	159577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	143593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	60931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	45241	58.281	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.560%			
35) Dibromofluoromethane	7.804	113	50859	48.333	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.660%			
50) Toluene-d8	10.269	98	196744	51.145	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.280%			
62) 4-Bromofluorobenzene	12.569	95	51720	42.634	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.260%			
Target Compounds			Qvalue			
10) Methyl Iodide	4.169	142	72	5.862	ug/l #	43
11) Tert butyl alcohol	5.022	59	3113	Below Cal	#	84
16) Acetone	4.028	43	1148	17.084	ug/l #	84
20) Methylene Chloride	4.793	84	8903	2.507	ug/l	99
25) 2-Butanone	7.075	43	470	2.111	ug/l #	42
31) Cyclohexane	7.875	56	1573	1.009	ug/l #	42
36) 1,1-Dichloropropene	7.869	75	6151	4.164	ug/l #	45
38) Carbon Tetrachloride	7.869	117	8430	6.441	ug/l #	14
51) 4-Methyl-2-Pentanone	10.263	43	667	1.451	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	25781	55.120	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	25781	122.978	ug/l #	17

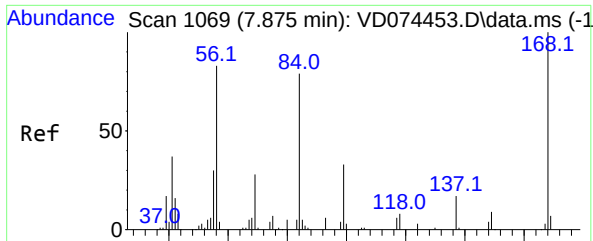
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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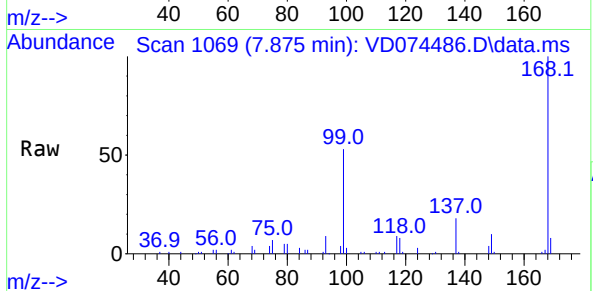
Quant Time: Oct 08 02:24:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 01:54:40 2022
Response via : Initial Calibration



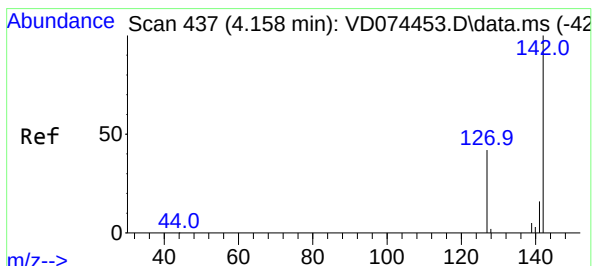
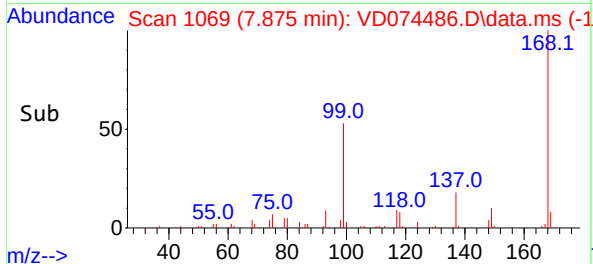
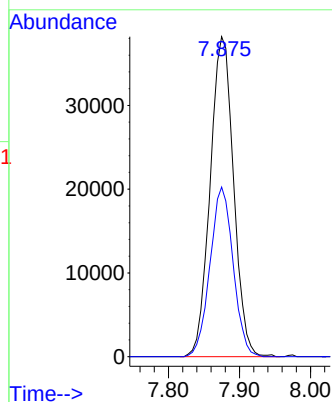


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

Instrument :
MSVOA_D
ClientSampleId :

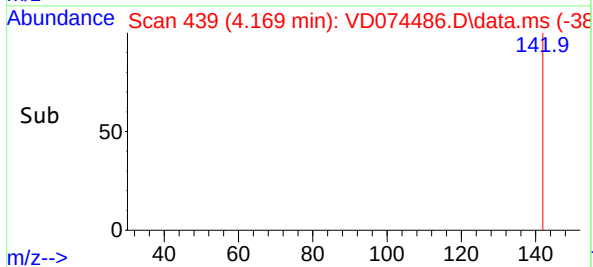
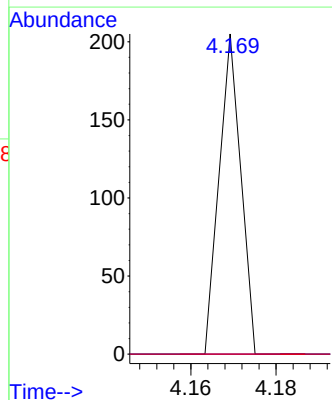
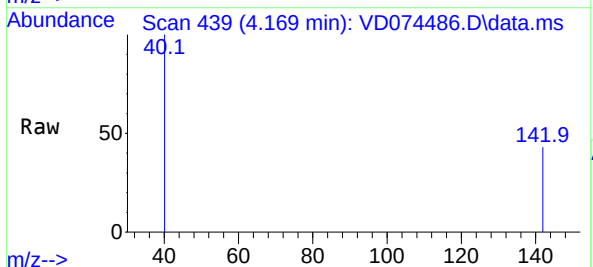


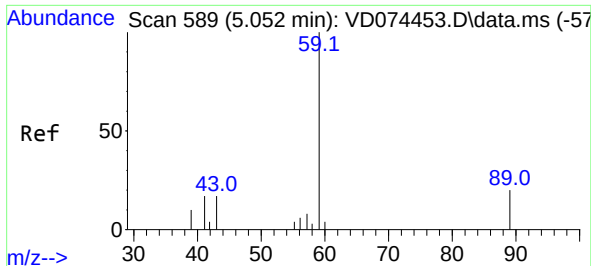
Tgt Ion:168 Resp: 87370
Ion Ratio Lower Upper
168 100
99 53.0 40.9 61.3



#10
Methyl Iodide
Concen: 5.862 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.011 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.022 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD074486.D

Acq: 07 Oct 2022 13:05

Instrument :

MSVOA_D

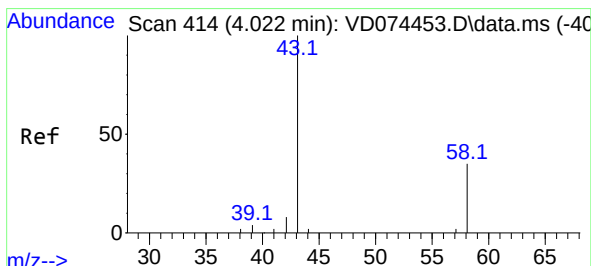
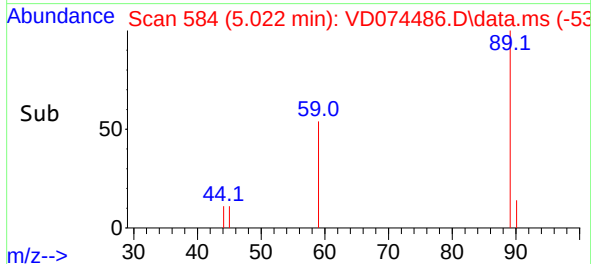
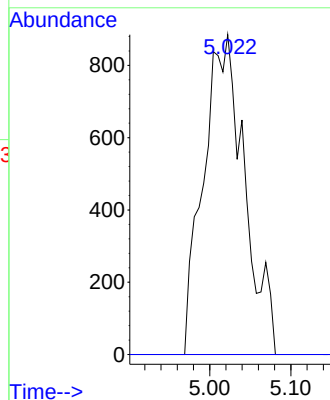
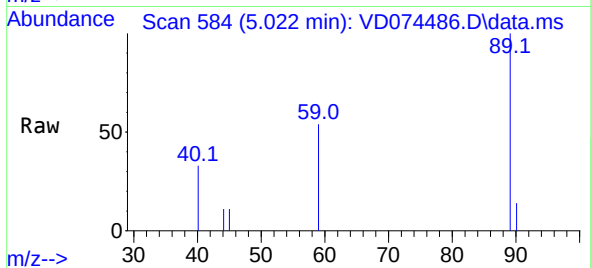
ClientSampleId :

Tgt Ion: 59 Resp: 3113

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 17.084 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD074486.D

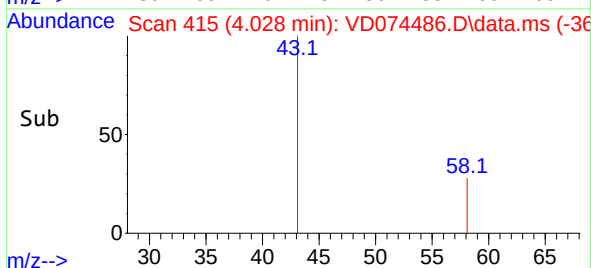
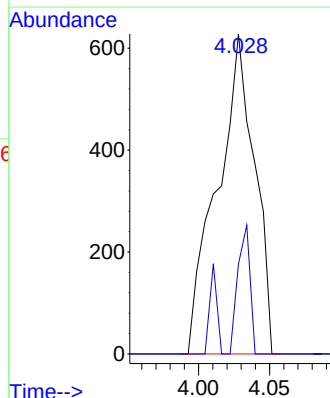
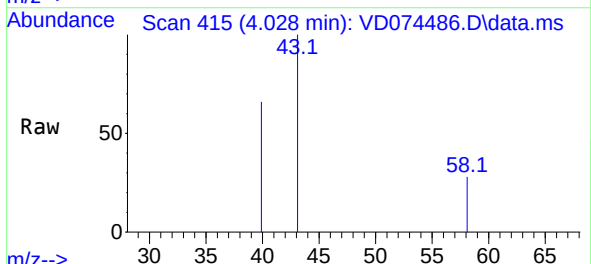
Acq: 07 Oct 2022 13:05

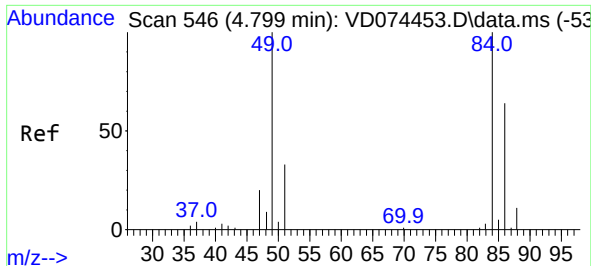
Tgt Ion: 43 Resp: 1148

Ion Ratio Lower Upper

43 100

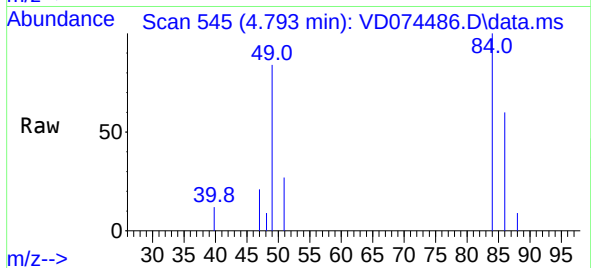
58 28.0 30.2 45.2#





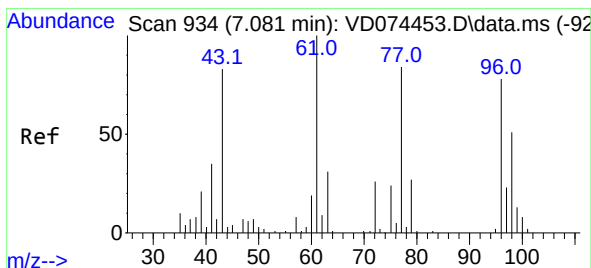
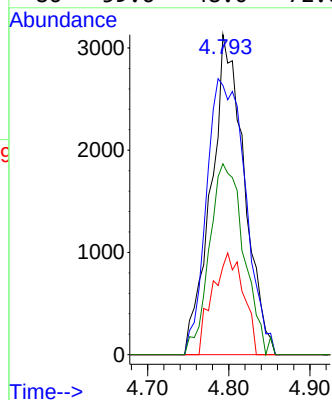
#20
Methylene Chloride
Concen: 2.507 ug/l
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 8903

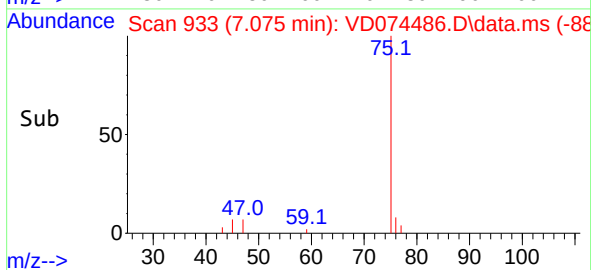
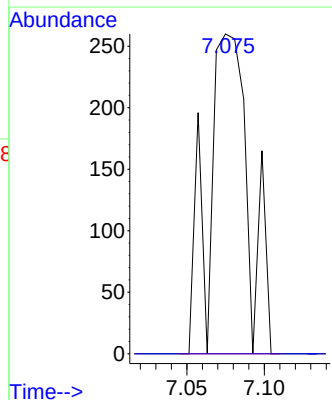
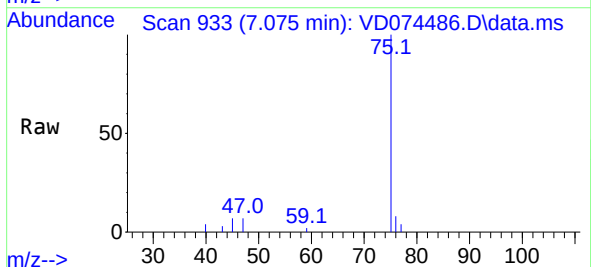
Ion	Ratio	Lower	Upper
84	100		
49	84.2	68.0	102.0
51	27.5	23.2	34.8
86	59.6	48.0	72.0

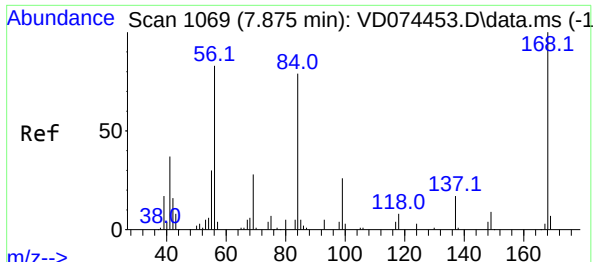


#25
2-Butanone
Concen: 2.111 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

Tgt Ion: 43 Resp: 470

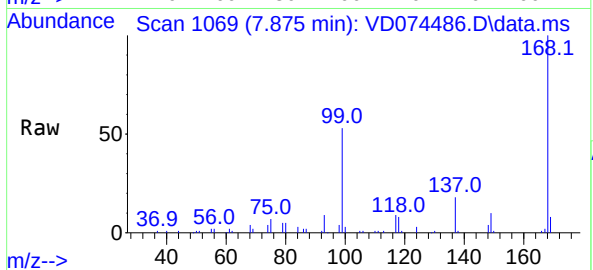
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#



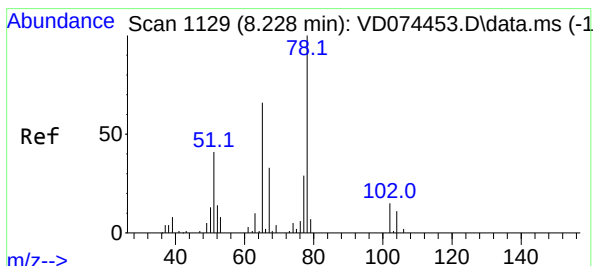
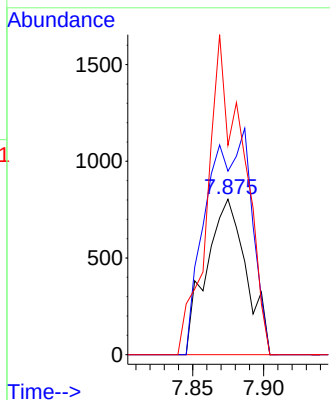
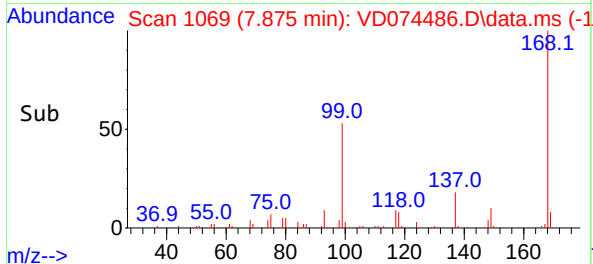


#31
Cyclohexane
Concen: 1.009 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

Instrument :
MSVOA_D
ClientSampleId :

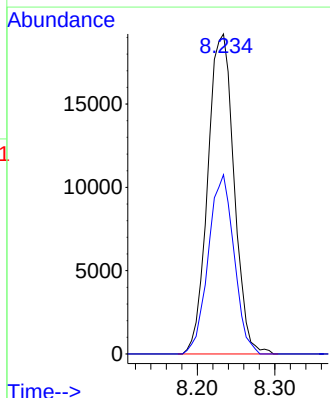
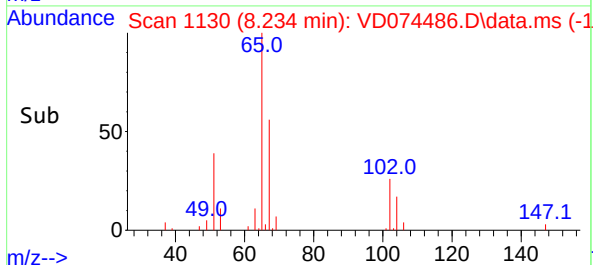
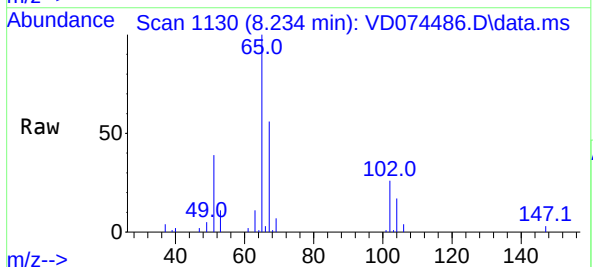


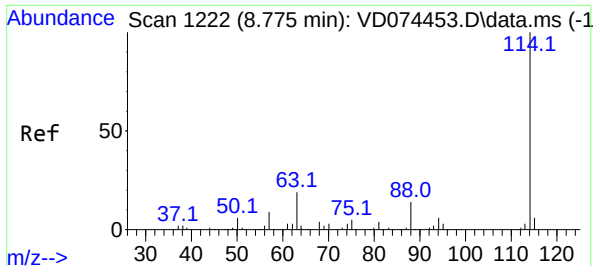
Tgt Ion: 56 Resp: 1573
Ion Ratio Lower Upper
56 100
69 118.0 29.2 43.8#
84 134.7 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 58.281 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

Tgt Ion: 65 Resp: 45241
Ion Ratio Lower Upper
65 100
67 54.8 0.0 110.2

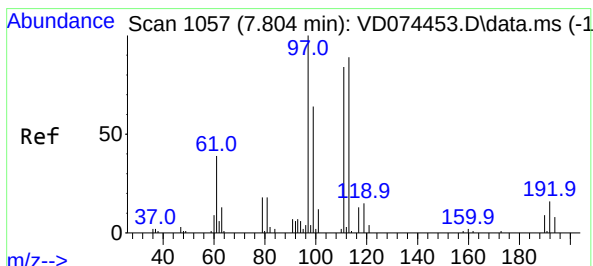
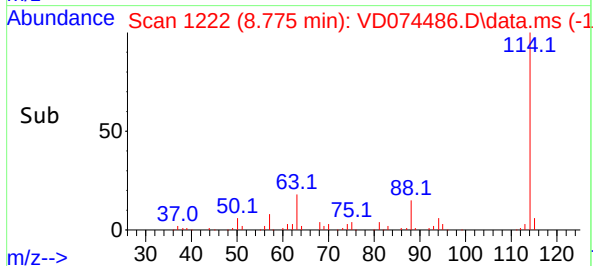
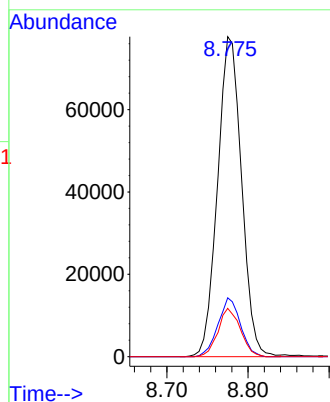
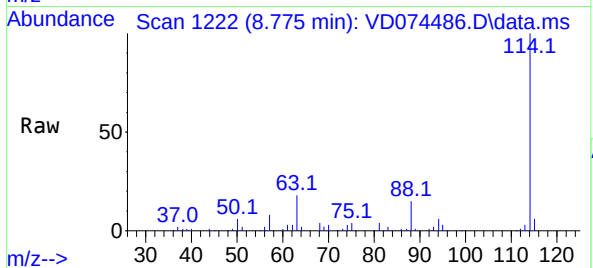




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

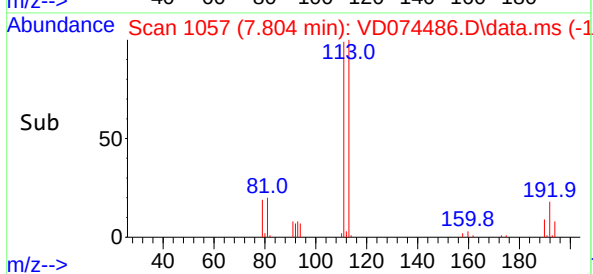
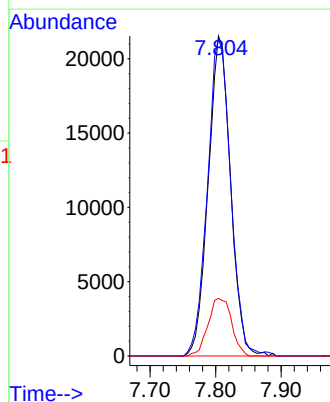
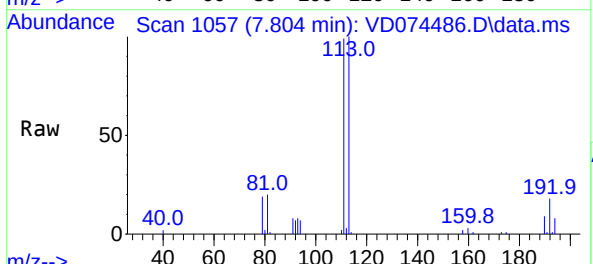
Instrument :
MSVOA_D
ClientSampleId :

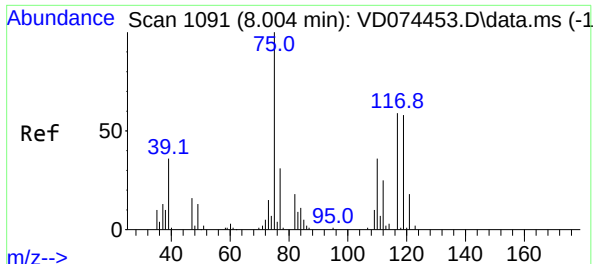
Tgt Ion:114 Resp: 159577
Ion Ratio Lower Upper
114 100
63 18.4 0.0 33.2
88 15.1 0.0 28.2



#35
Dibromofluoromethane
Concen: 48.333 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

Tgt Ion:113 Resp: 50859
Ion Ratio Lower Upper
113 100
111 103.5 82.3 123.5
192 18.9 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.164 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

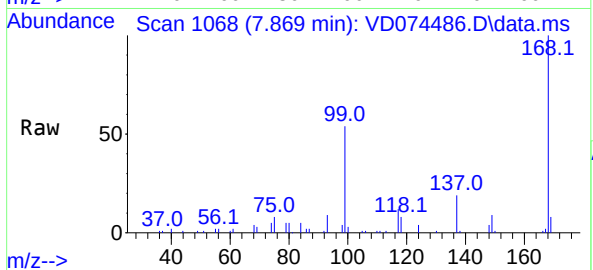
Lab File: VD074486.D

Acq: 07 Oct 2022 13:05

Instrument :

MSVOA_D

ClientSampleId :



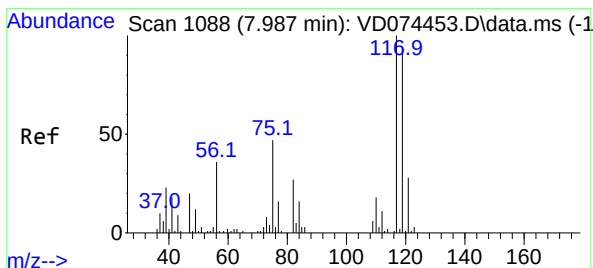
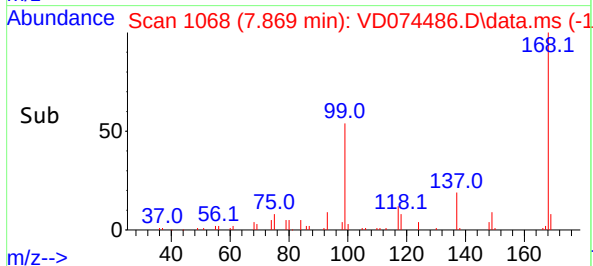
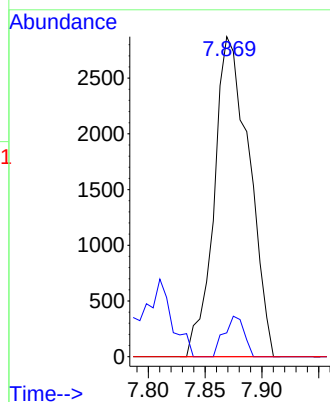
Tgt Ion: 75 Resp: 6151

Ion Ratio Lower Upper

75 100

110 7.2 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.441 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD074486.D

Acq: 07 Oct 2022 13:05

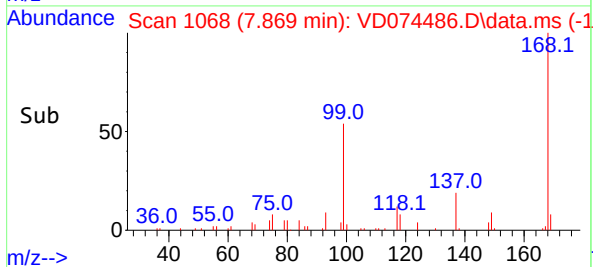
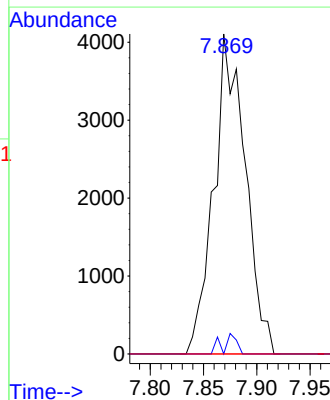
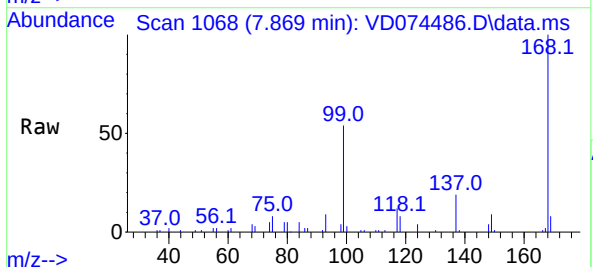
Tgt Ion: 117 Resp: 8430

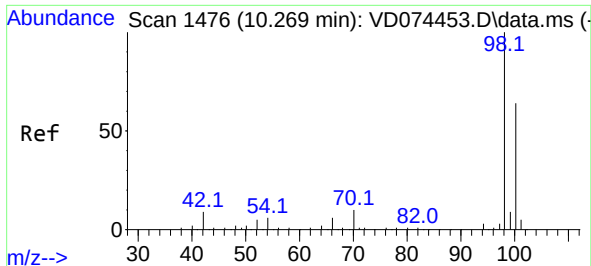
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

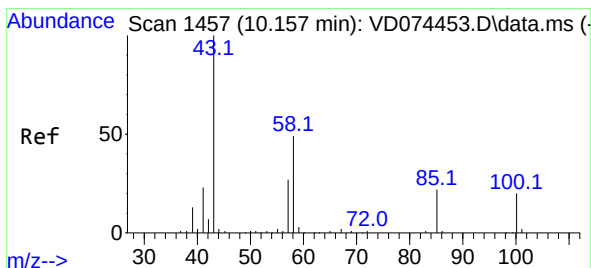
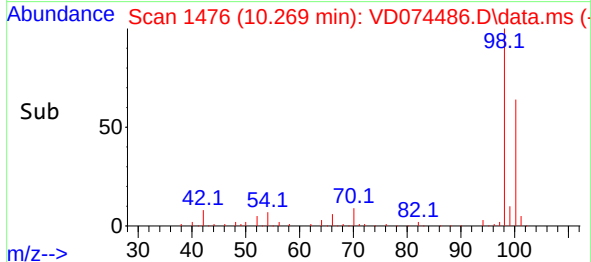
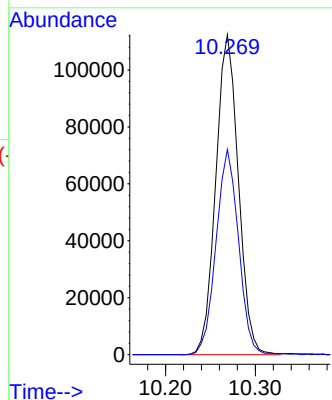
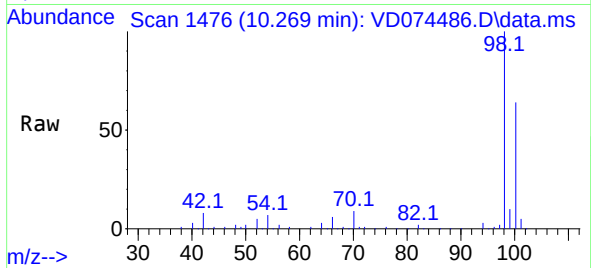




#50
Toluene-d8
Concen: 51.145 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

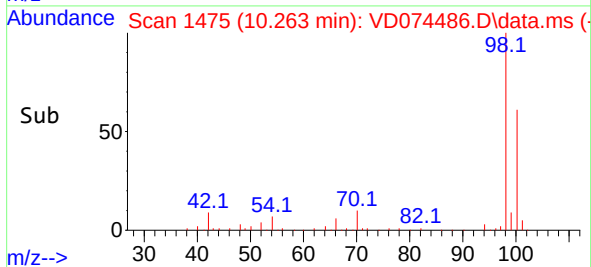
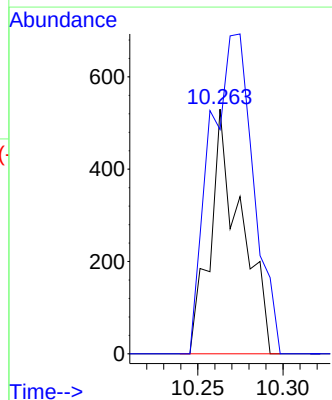
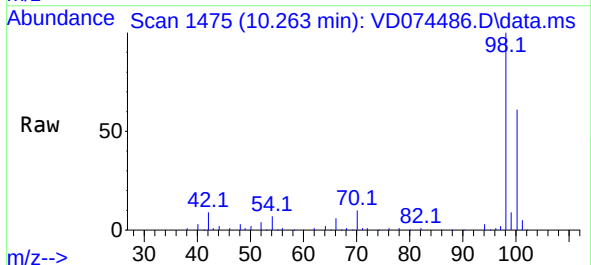
Instrument :
MSVOA_D
ClientSampleId :

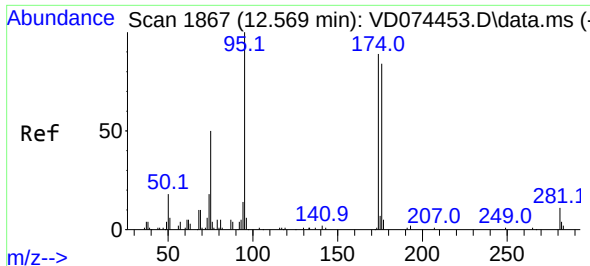
Tgt Ion: 98 Resp: 196744
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.451 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

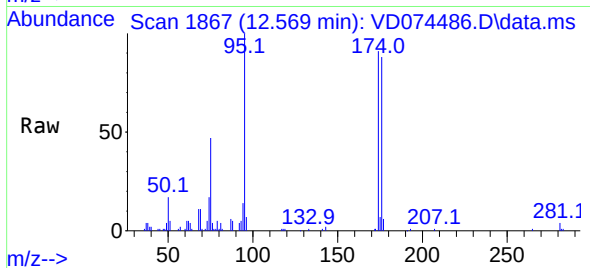
Tgt Ion: 43 Resp: 667
Ion Ratio Lower Upper
43 100
58 184.6 37.8 56.6#



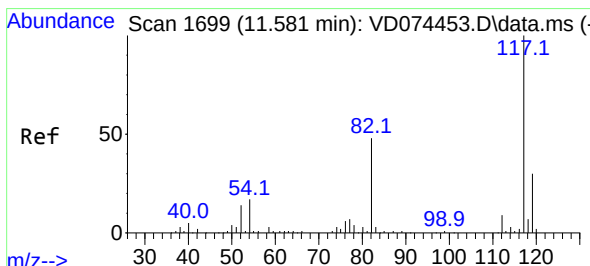
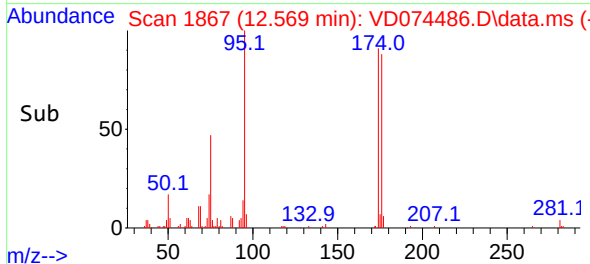
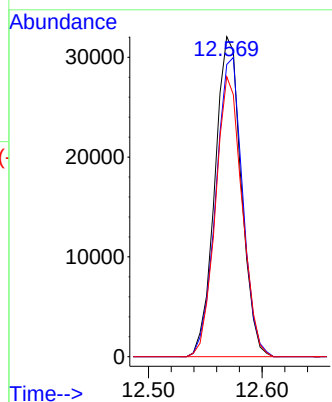


#62
4-Bromofluorobenzene
Concen: 42.634 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

Instrument :
MSVOA_D
ClientSampleId :

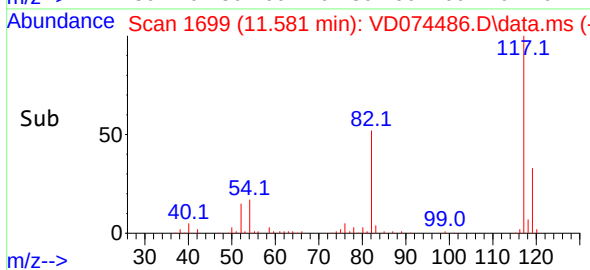
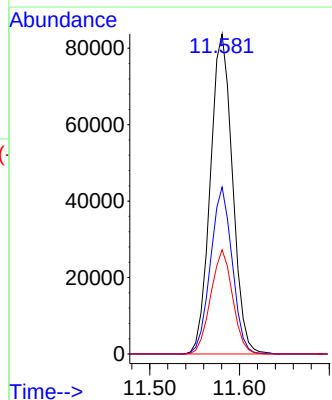
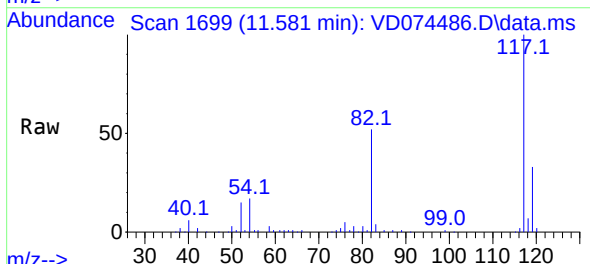


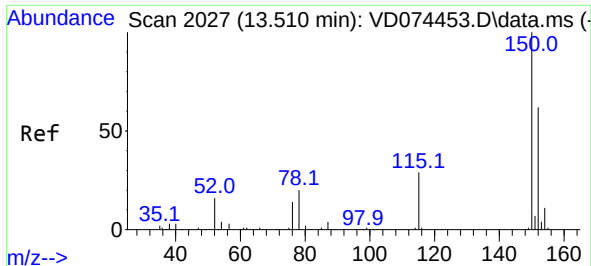
Tgt Ion: 95 Resp: 51720
Ion Ratio Lower Upper
95 100
174 94.6 0.0 197.0
176 88.2 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

Tgt Ion: 117 Resp: 143593
Ion Ratio Lower Upper
117 100
82 52.1 41.6 62.4
119 32.6 25.2 37.8

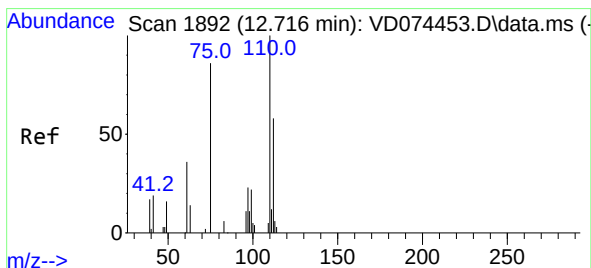
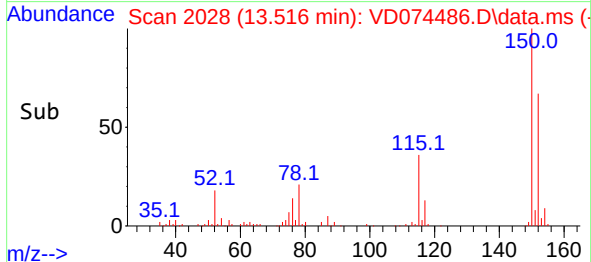
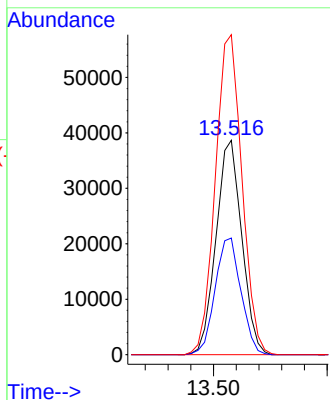
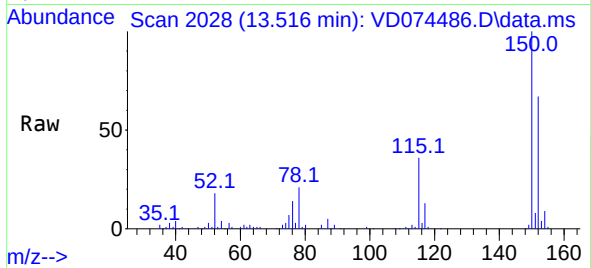




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

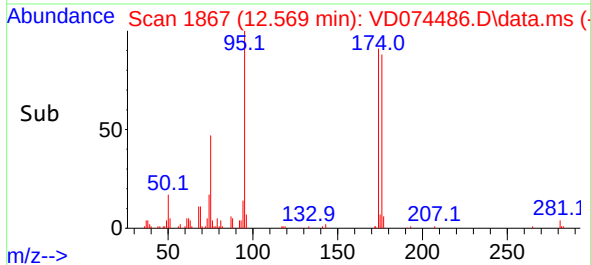
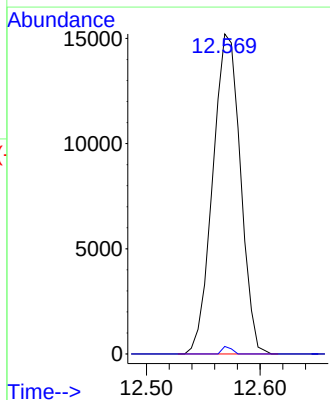
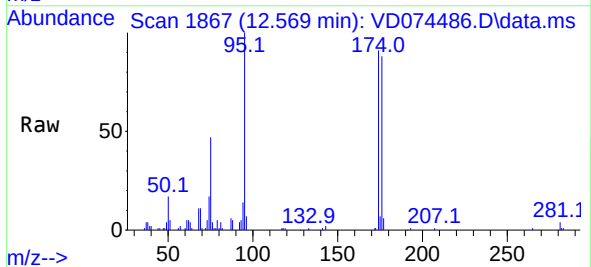
Instrument :
MSVOA_D
ClientSampleId :

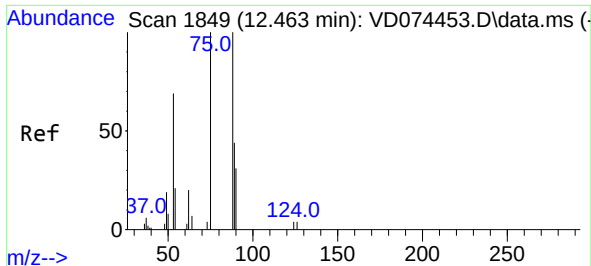
Tgt Ion:152 Resp: 60931
Ion Ratio Lower Upper
152 100
115 54.5 26.8 80.4
150 154.2 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 55.120 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.147 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

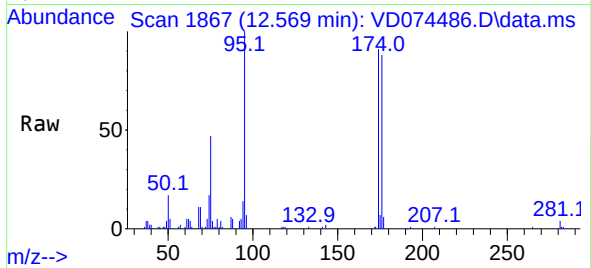
Tgt Ion: 75 Resp: 25781
Ion Ratio Lower Upper
75 100
77 0.8 185.8 557.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 122.978 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD074486.D
Acq: 07 Oct 2022 13:05

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 25781

Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

