

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100722\
 Data File : VD074487.D
 Acq On : 07 Oct 2022 13:33
 Operator : VA/SY
 Sample : N5014-02RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 08 02:24:28 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)

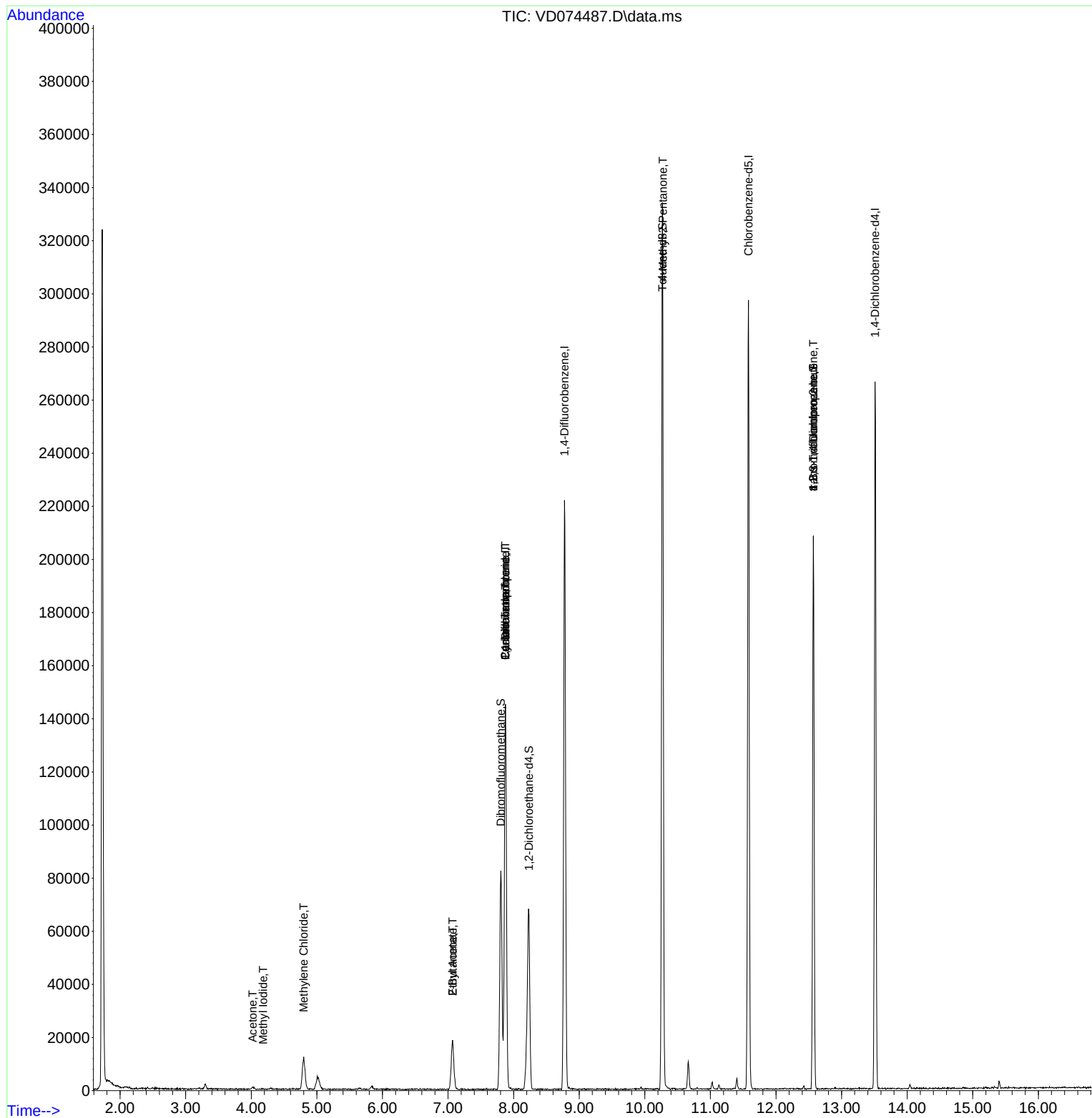
Internal Standards						
1) Pentafluorobenzene	7.875	168	116753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	210072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	182628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	75424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	50183	48.378	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.760%		
35) Dibromofluoromethane	7.805	113	61574	44.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.900%		
50) Toluene-d8	10.269	98	242122	47.930	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.860%		
62) 4-Bromofluorobenzene	12.569	95	61958	38.162	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	76.320%		
Target Compounds			Qvalue			
10) Methyl Iodide	4.181	142	59	5.844	ug/l #	17
11) Tert butyl alcohol	5.028	59	4413	Below Cal	#	84
16) Acetone	4.022	43	1297	16.292	ug/l #	80
20) Methylene Chloride	4.799	84	9952	1.150	ug/l #	77
25) 2-Butanone	7.069	43	762	2.561	ug/l #	42
31) Cyclohexane	7.875	56	2229	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	8526	4.385	ug/l #	42
37) Ethyl Acetate	7.069	43	762	1.193	ug/l #	1
38) Carbon Tetrachloride	7.875	117	11158	6.476	ug/l #	16
51) 4-Methyl-2-Pentanone	10.275	43	680	1.124	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	31723	54.791	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	31723	122.245	ug/l #	17

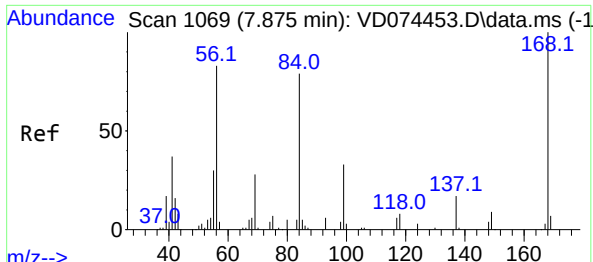
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
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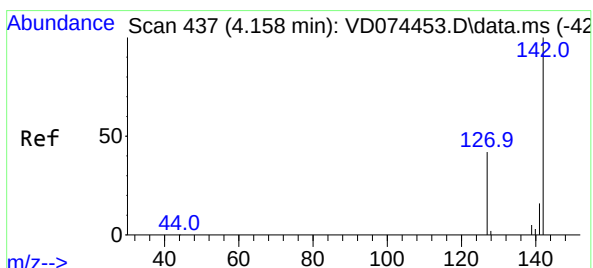
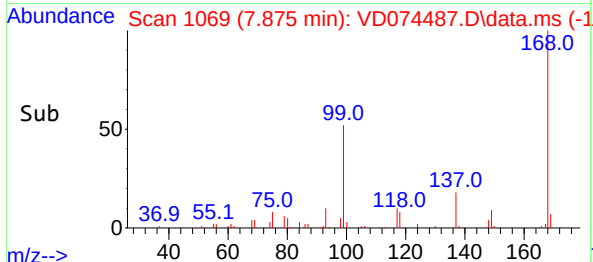
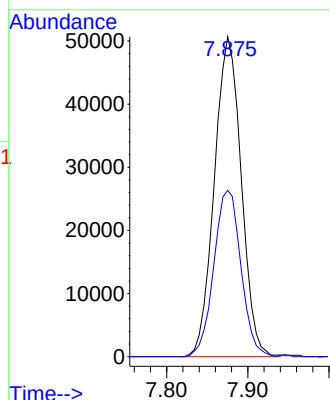
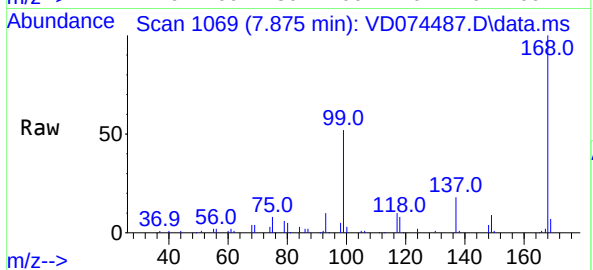




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

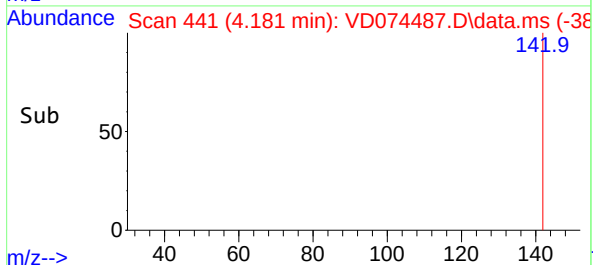
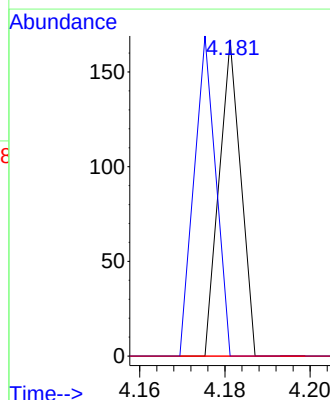
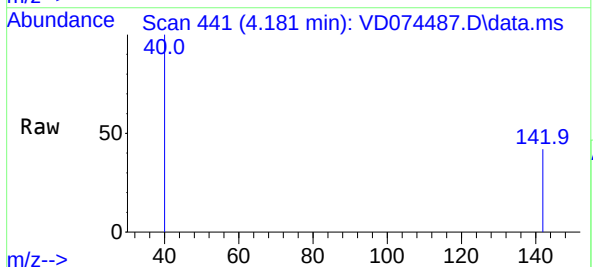
Instrument :
MSVOA_D
ClientSampleId :

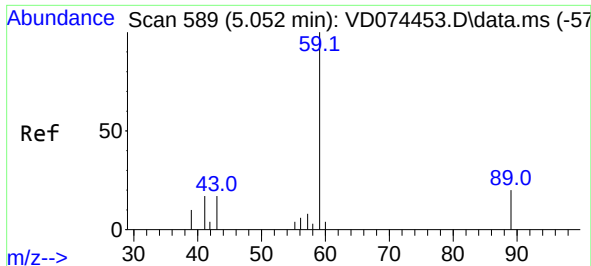
Tgt Ion:168 Resp: 116753
Ion Ratio Lower Upper
168 100
99 52.0 40.9 61.3



#10
Methyl Iodide
Concen: 5.844 ug/l
RT: 4.181 min Scan# 441
Delta R.T. 0.023 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

Tgt Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 101.7 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.028 min Scan# 51

Delta R.T. -0.024 min

Lab File: VD074487.D

Acq: 07 Oct 2022 13:33

Instrument :

MSVOA_D

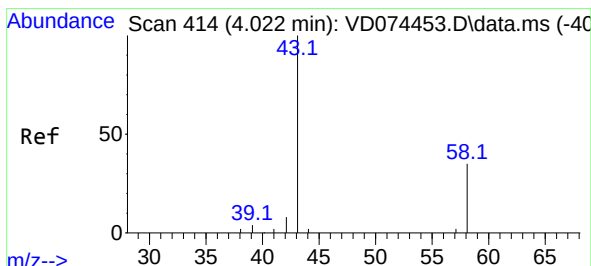
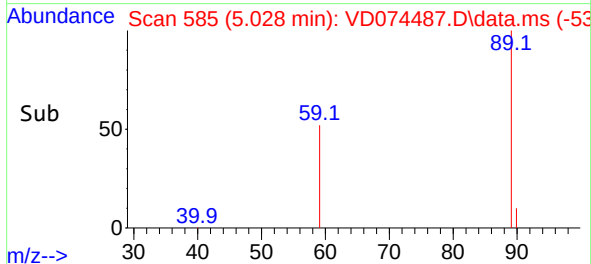
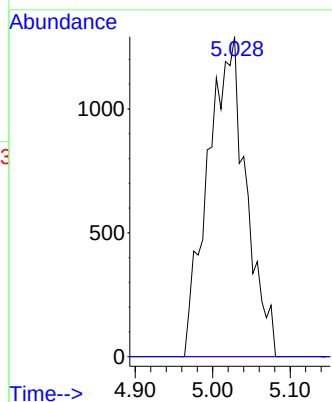
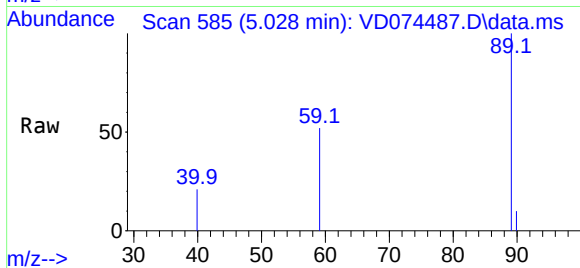
ClientSampleId :

Tgt Ion: 59 Resp: 4413

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 16.292 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD074487.D

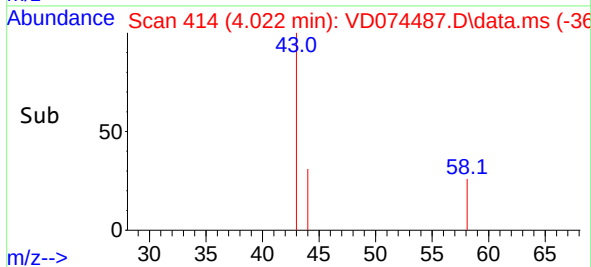
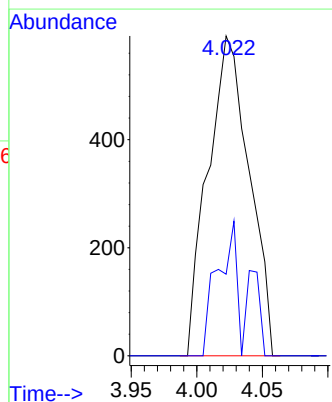
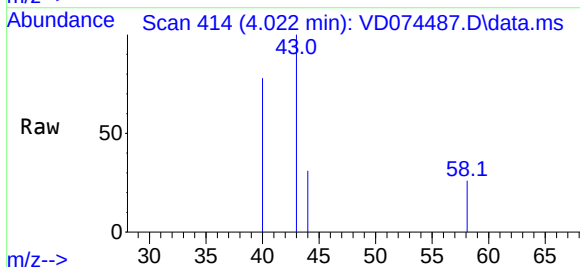
Acq: 07 Oct 2022 13:33

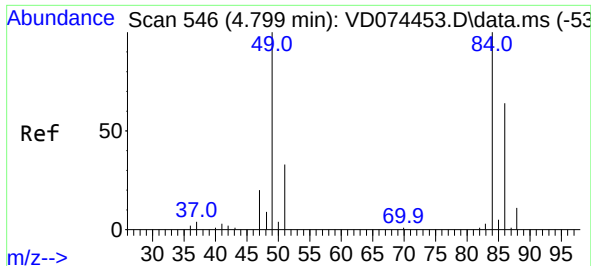
Tgt Ion: 43 Resp: 1297

Ion Ratio Lower Upper

43 100

58 25.5 30.2 45.2#





#20

Methylene Chloride

Concen: 1.150 ug/l

RT: 4.799 min Scan# 54

Delta R.T. -0.000 min

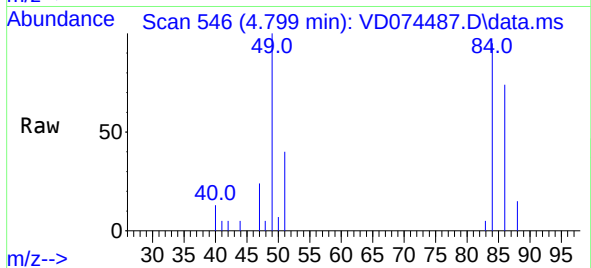
Lab File: VD074487.D

Acq: 07 Oct 2022 13:33

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 9952

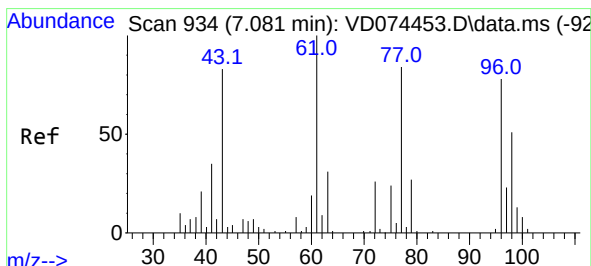
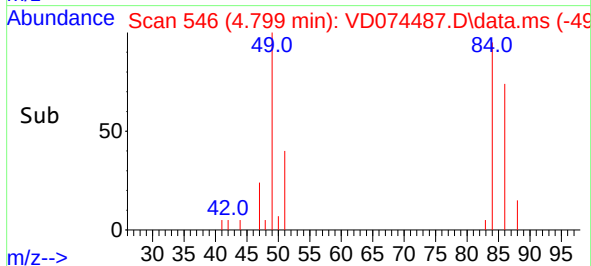
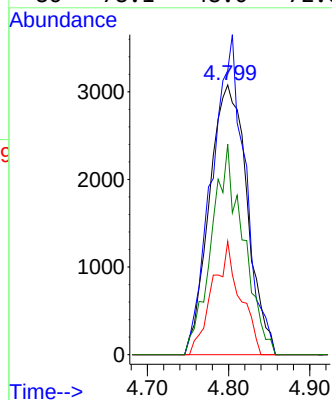
Ion Ratio Lower Upper

84 100

49 105.3 68.0 102.0#

51 42.0 23.2 34.8#

86 78.1 48.0 72.0#



#25

2-Butanone

Concen: 2.561 ug/l

RT: 7.069 min Scan# 932

Delta R.T. -0.012 min

Lab File: VD074487.D

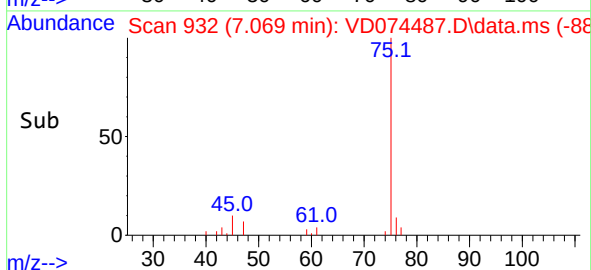
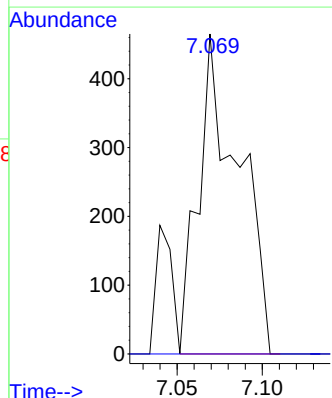
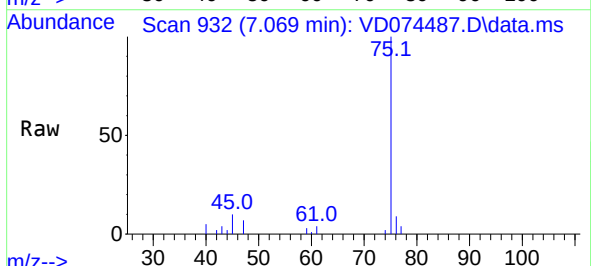
Acq: 07 Oct 2022 13:33

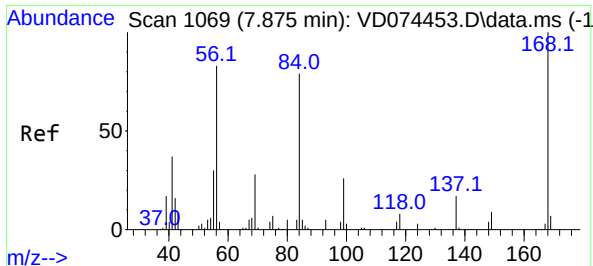
Tgt Ion: 43 Resp: 762

Ion Ratio Lower Upper

43 100

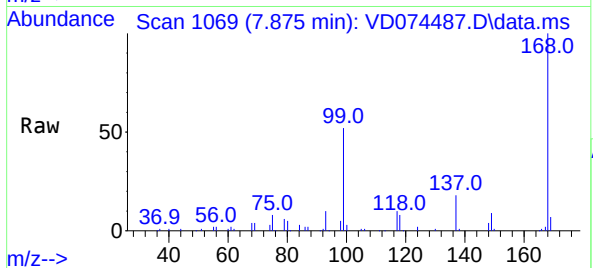
72 0.0 25.8 38.8#



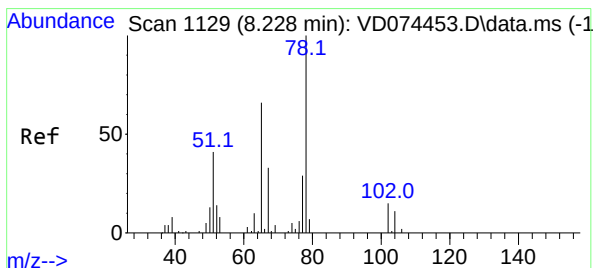
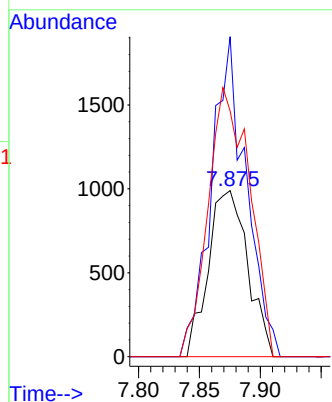
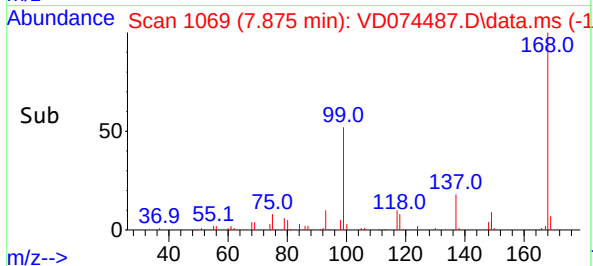


#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.875 min Scan# 110
Delta R.T. 0.000 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

Instrument :
MSVOA_D
ClientSampleId :

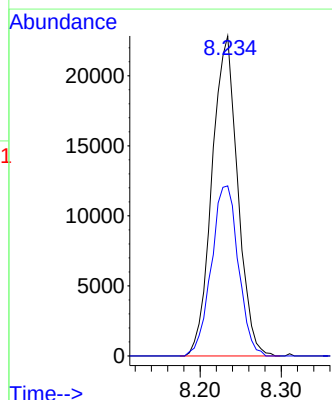
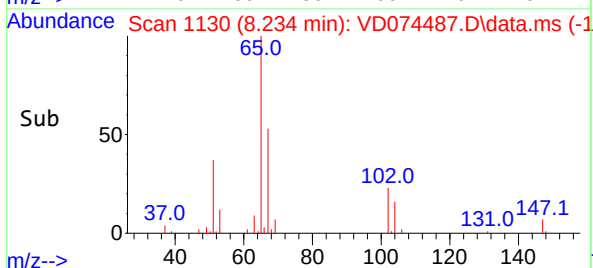
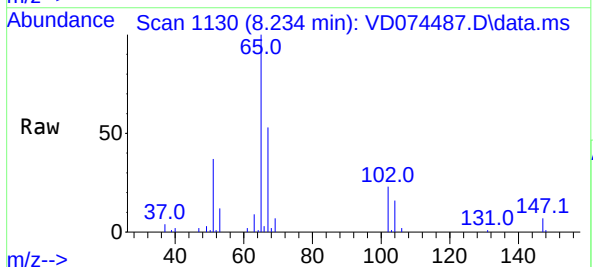


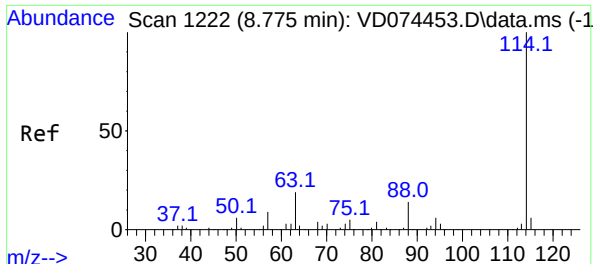
Tgt Ion: 56 Resp: 2229
Ion Ratio Lower Upper
56 100
69 192.6 29.2 43.8#
84 148.0 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 48.378 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

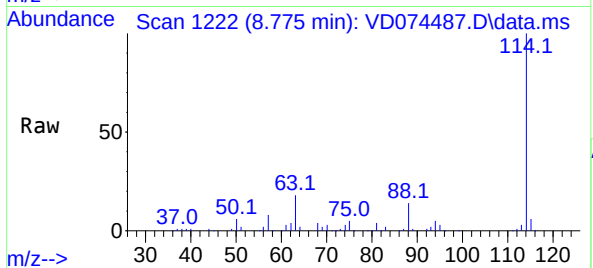
Tgt Ion: 65 Resp: 50183
Ion Ratio Lower Upper
65 100
67 55.9 0.0 110.2



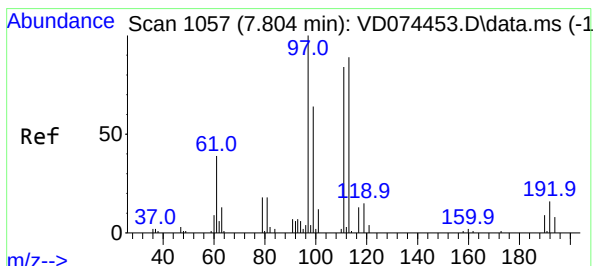
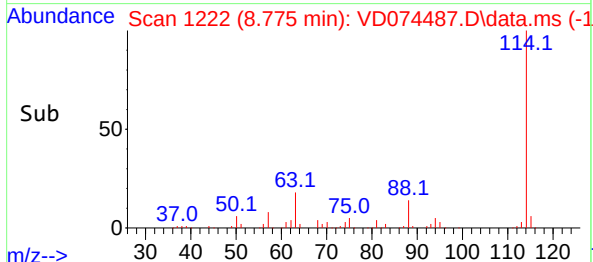
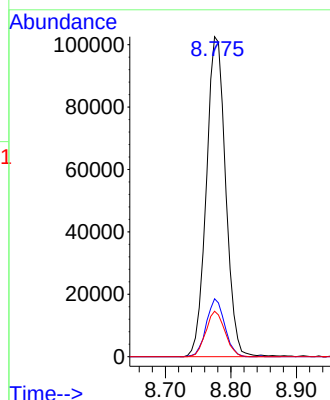


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

Instrument :
MSVOA_D
ClientSampleId :

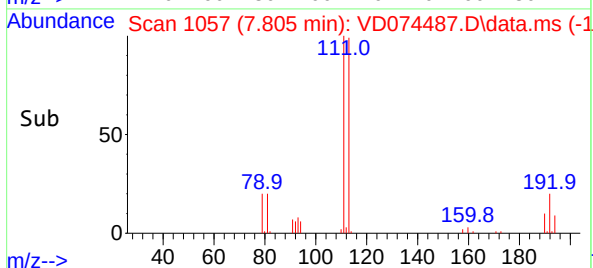
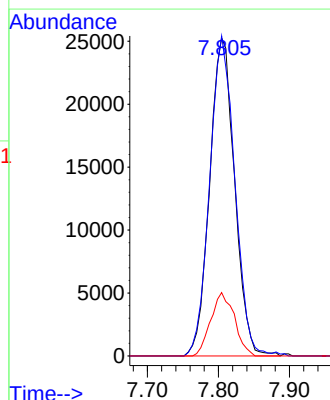
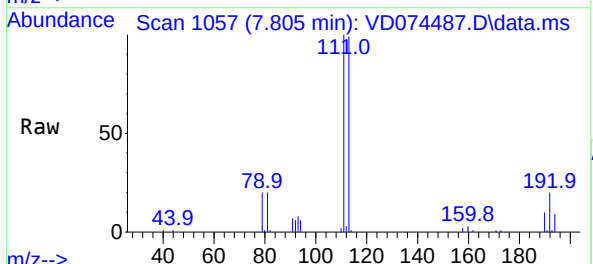


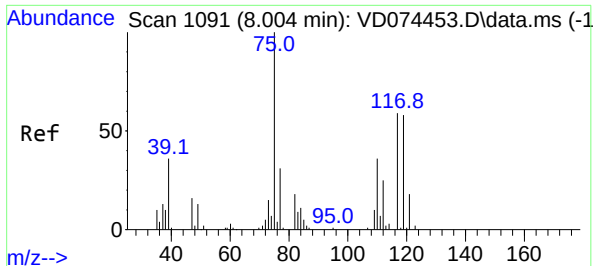
Tgt Ion:114 Resp: 210072
Ion Ratio Lower Upper
114 100
63 18.1 0.0 33.2
88 14.2 0.0 28.2



#35
Dibromofluoromethane
Concen: 44.450 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

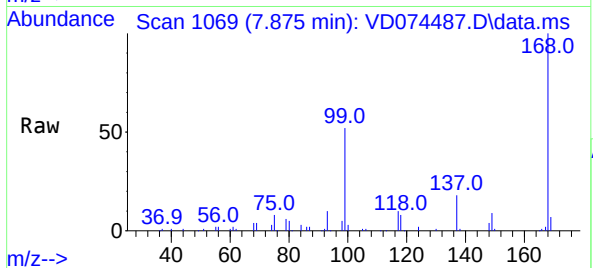
Tgt Ion:113 Resp: 61574
Ion Ratio Lower Upper
113 100
111 101.1 82.3 123.5
192 19.0 16.4 24.6



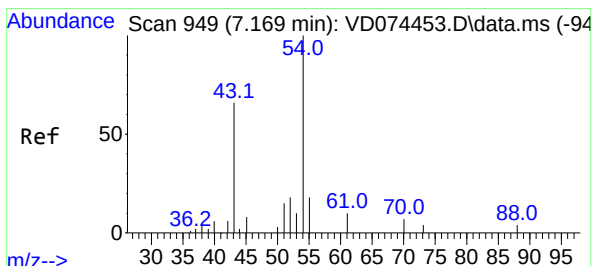
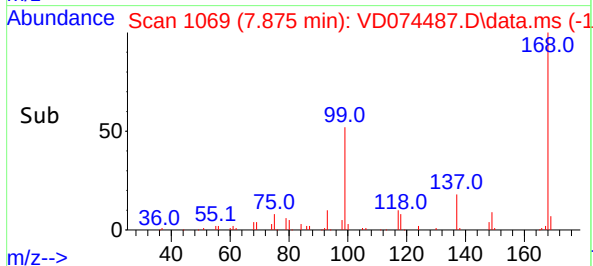
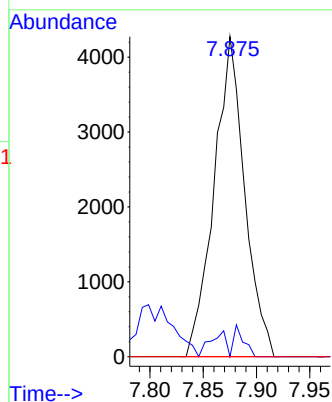


#36
1,1-Dichloropropene
Concen: 4.385 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

Instrument :
MSVOA_D
ClientSampleId :

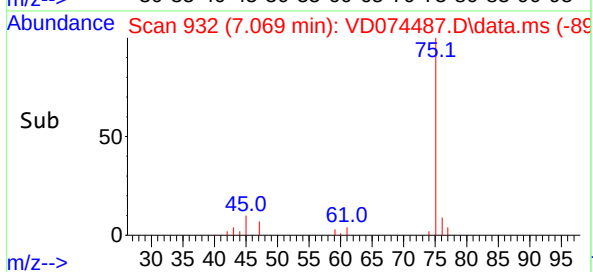
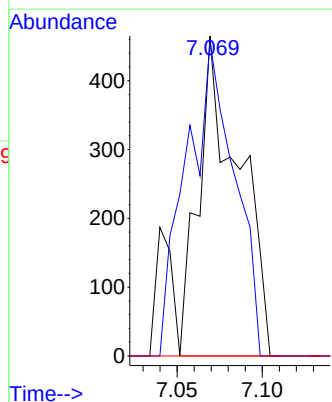
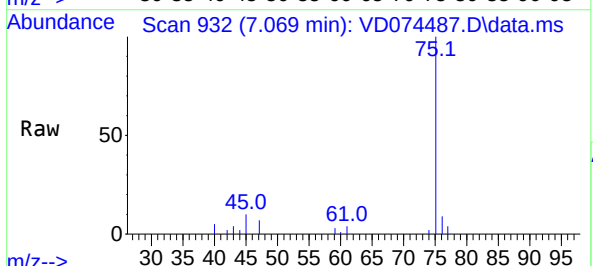


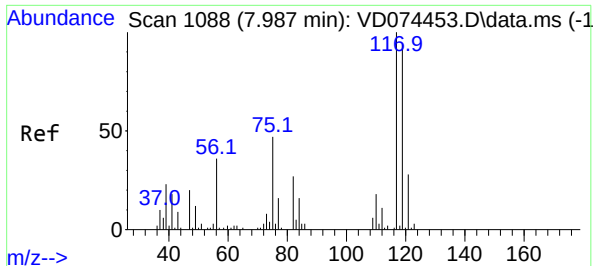
Tgt Ion: 75 Resp: 8526
Ion Ratio Lower Upper
75 100
110 3.2 19.7 59.0#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 1.193 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.100 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

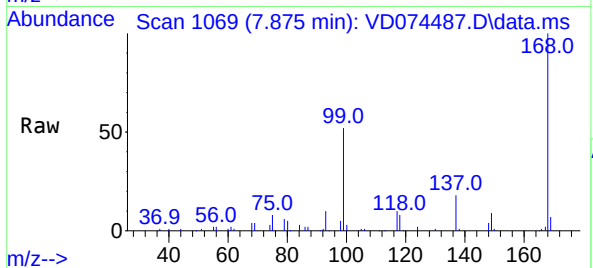
Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
61 117.2 12.2 18.4#
70 0.0 9.6 14.4#



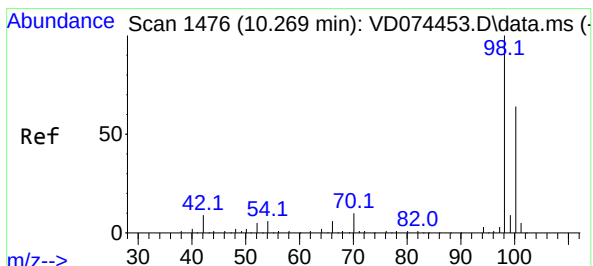
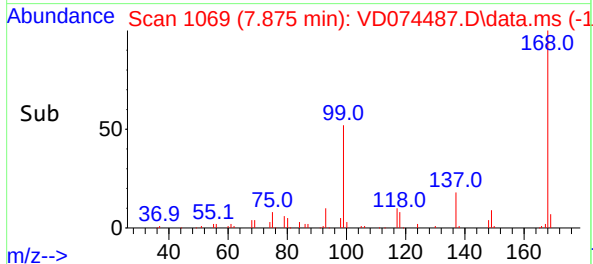
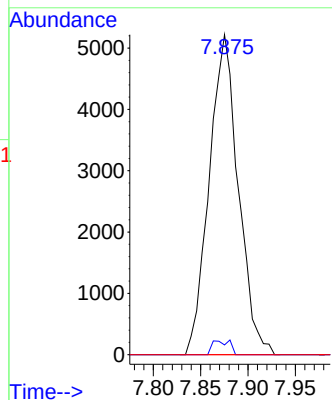


#38
Carbon Tetrachloride
Concen: 6.476 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.112 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

Instrument :
MSVOA_D
ClientSampleId :

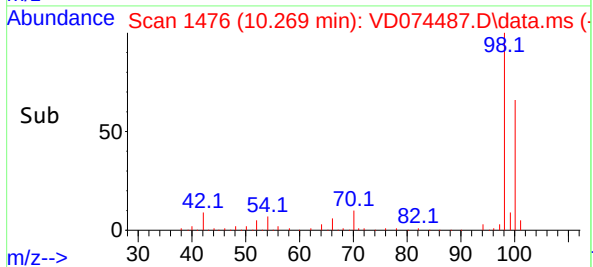
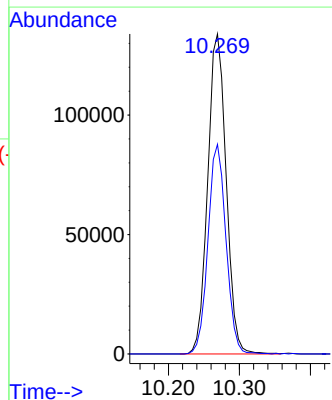
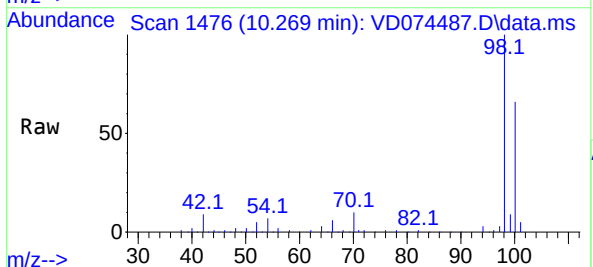


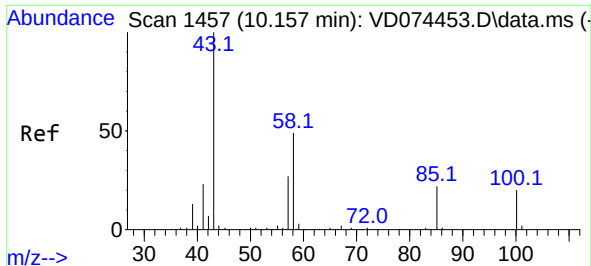
Tgt Ion:117 Resp: 11158
Ion Ratio Lower Upper
117 100
119 3.0 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 47.930 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

Tgt Ion: 98 Resp: 242122
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.124 ug/l

RT: 10.275 min Scan# 1457

Delta R.T. 0.118 min

Lab File: VD074487.D

Acq: 07 Oct 2022 13:33

Instrument :

MSVOA_D

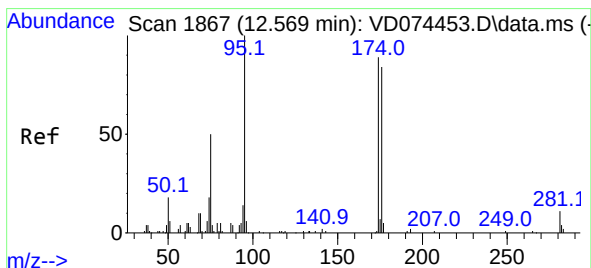
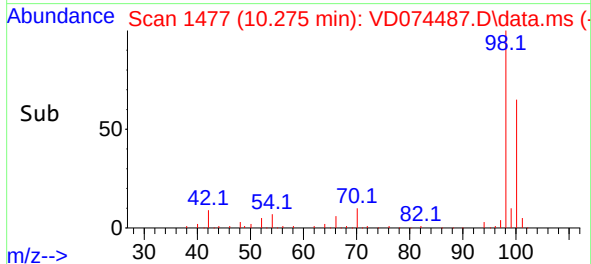
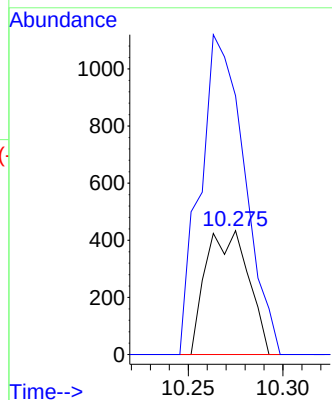
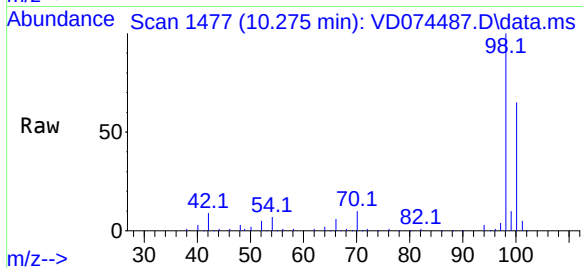
ClientSampleId :

Tgt Ion: 43 Resp: 680

Ion Ratio Lower Upper

43 100

58 267.4 37.8 56.6#



#62

4-Bromofluorobenzene

Concen: 38.162 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VD074487.D

Acq: 07 Oct 2022 13:33

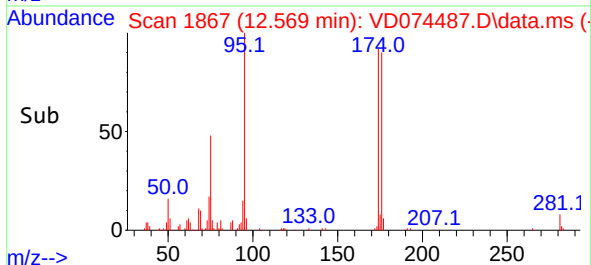
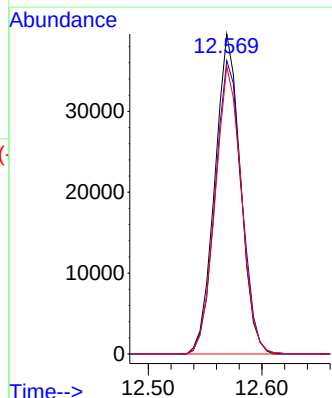
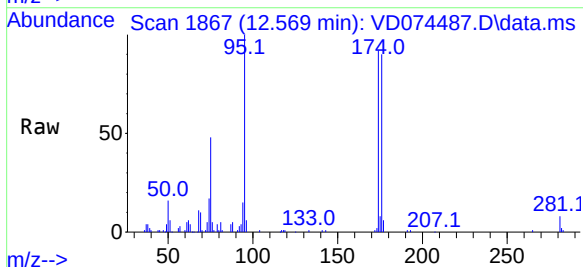
Tgt Ion: 95 Resp: 61958

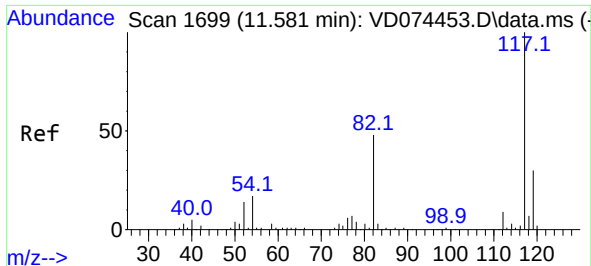
Ion Ratio Lower Upper

95 100

174 94.4 0.0 197.0

176 92.0 0.0 182.6

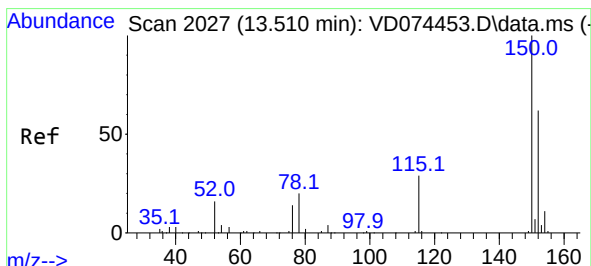
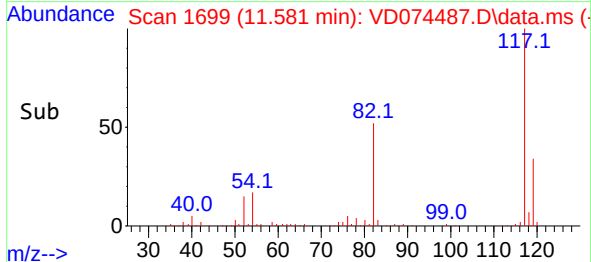
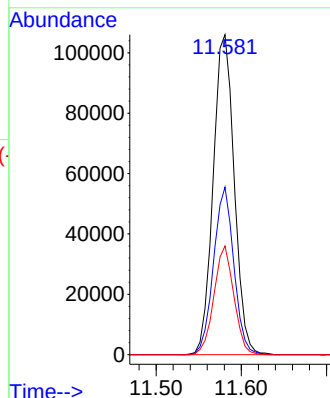
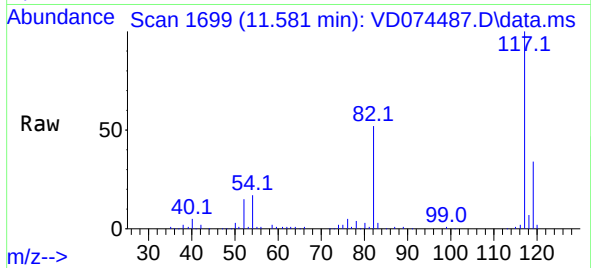




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

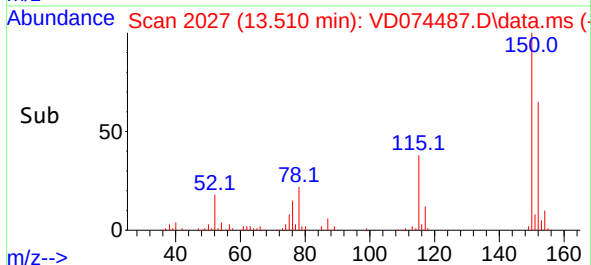
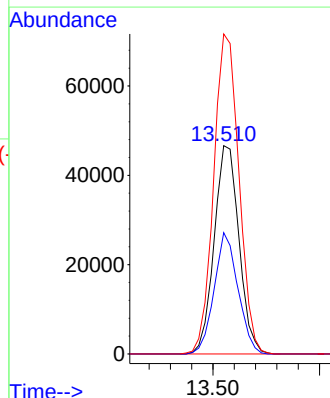
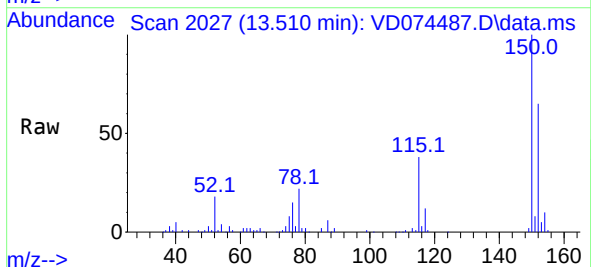
Instrument :
MSVOA_D
ClientSampleId :

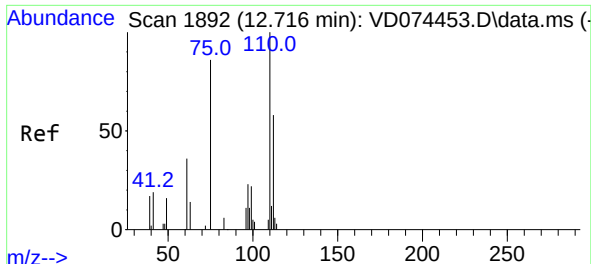
Tgt Ion:117 Resp: 182628
Ion Ratio Lower Upper
117 100
82 52.4 41.6 62.4
119 34.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

Tgt Ion:152 Resp: 75424
Ion Ratio Lower Upper
152 100
115 55.7 26.8 80.4
150 156.3 0.0 348.2

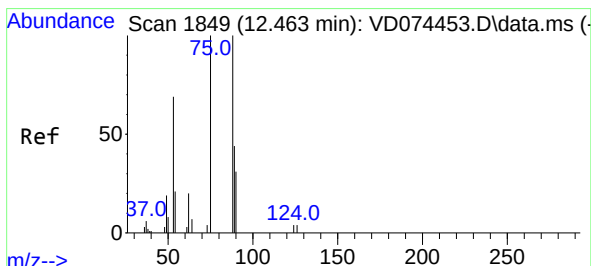
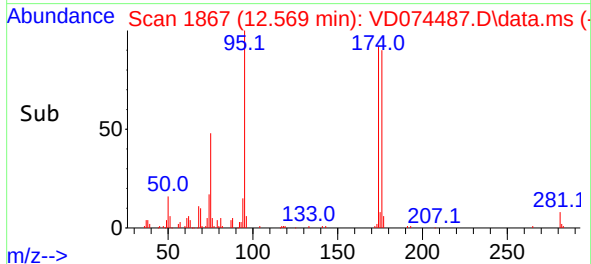
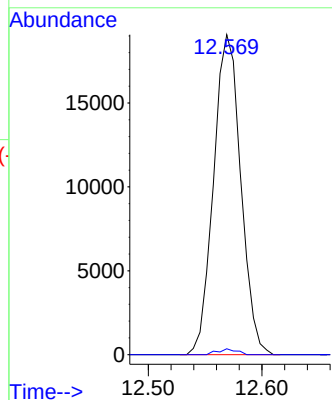
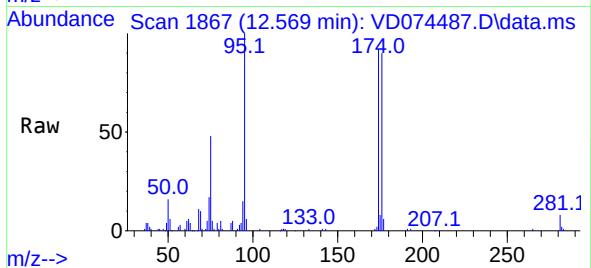




#76
1,2,3-Trichloropropane
Concen: 54.791 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.147 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 31723
Ion Ratio Lower Upper
75 100
77 1.3 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.245 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD074487.D
Acq: 07 Oct 2022 13:33

Tgt Ion: 75 Resp: 31723
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

