

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
 Data File : VD076233.D
 Acq On : 25 May 2023 15:10
 Operator : KP/SY
 Sample : 02892-07RE
 Misc : 5.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-33

Quant Time: May 25 17:12:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	244867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	499576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	447064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	187279	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.228	65	113512	47.965	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.920%
35) Dibromofluoromethane	7.804	113	167885	48.618	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.240%
50) Toluene-d8	10.269	98	509650	37.860	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	75.720%
62) 4-Bromofluorobenzene	12.575	95	175726	46.994	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.980%

Target Compounds

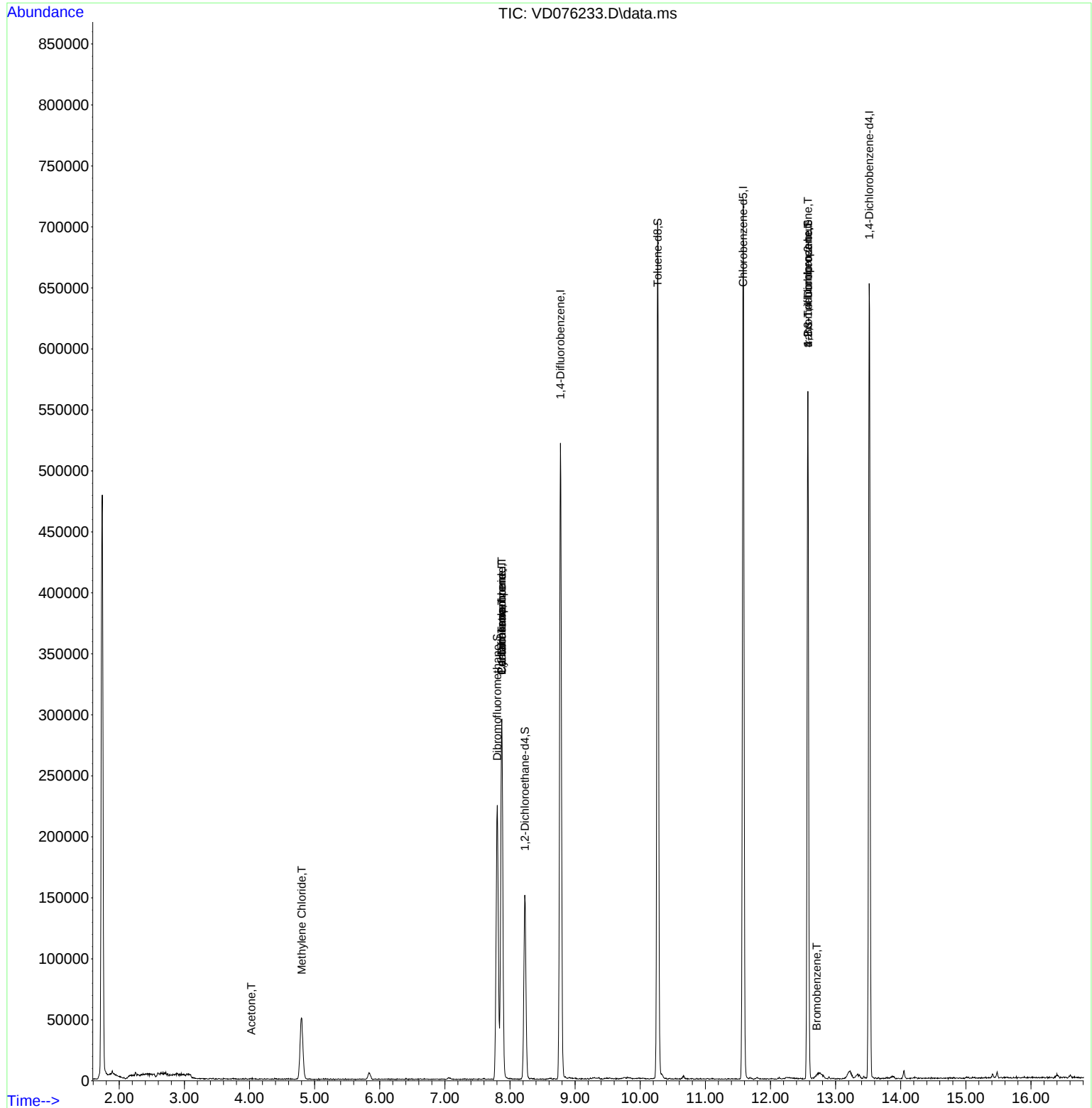
					Qvalue	
3) Chloromethane	2.140	50	507	Below Cal	#	40
16) Acetone	4.028	43	660	1.402	ug/l #	44
17) Carbon Disulfide	4.275	76	121	Below Cal	#	73
20) Methylene Chloride	4.805	84	45028	3.855	ug/l #	74
31) Cyclohexane	7.875	56	4955	1.367	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	18224	3.908	ug/l #	48
38) Carbon Tetrachloride	7.875	117	21864	5.190	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	87976	53.682	ug/l #	100
77) Bromobenzene	12.710	156	4806	1.447	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	87976	112.615	ug/l #	5

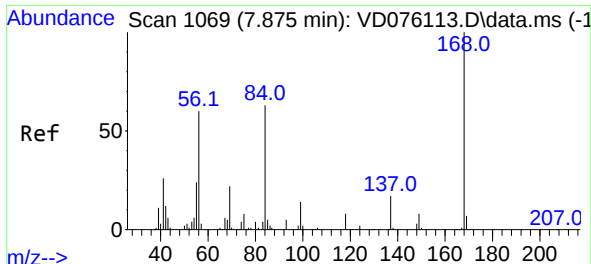
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
Quant Title : SW846 8260
QLast Update : Tue May 16 10:08:53 2023
Response via : Initial Calibration

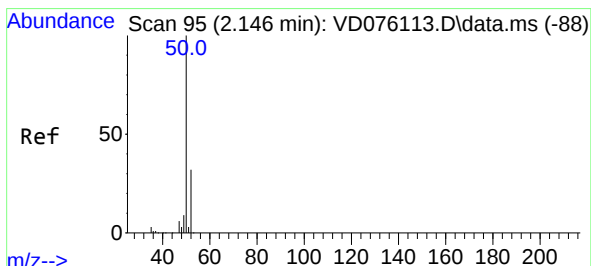
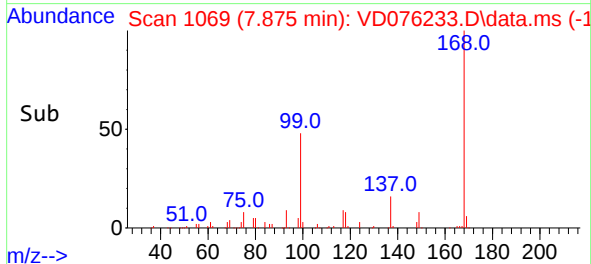
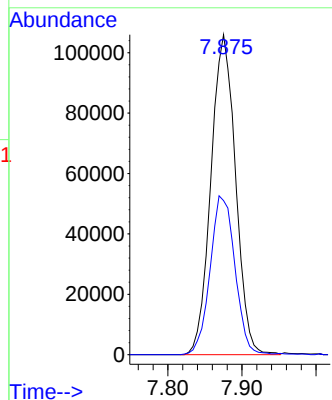
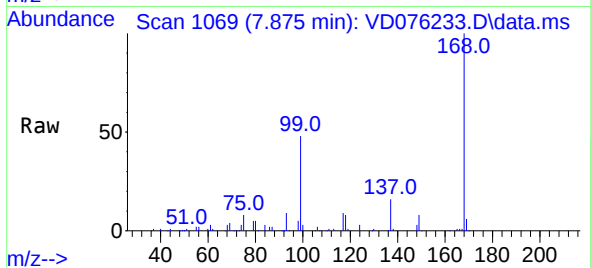




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

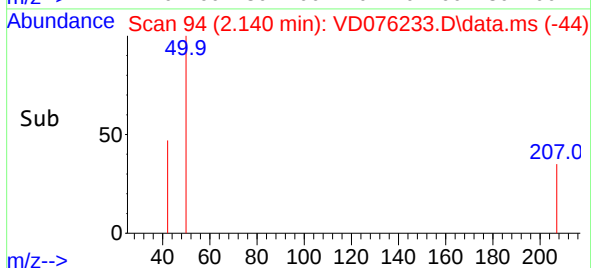
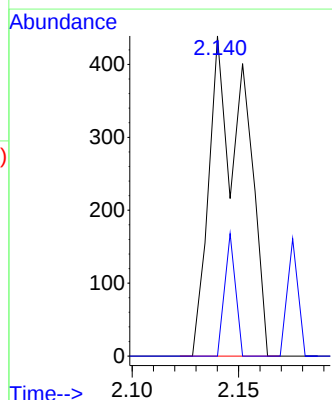
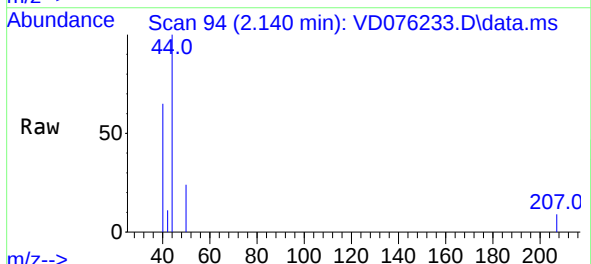
Instrument :
MSVOA_D
ClientSampleId :
TP-33

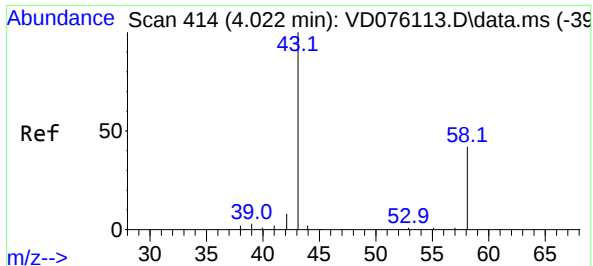
Tgt Ion:168 Resp: 244867
Ion Ratio Lower Upper
168 100
99 48.1 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

Tgt Ion: 50 Resp: 507
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#





#16

Acetone

Concen: 1.402 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD076233.D

Acq: 25 May 2023 15:10

Instrument :

MSVOA_D

ClientSampleId :

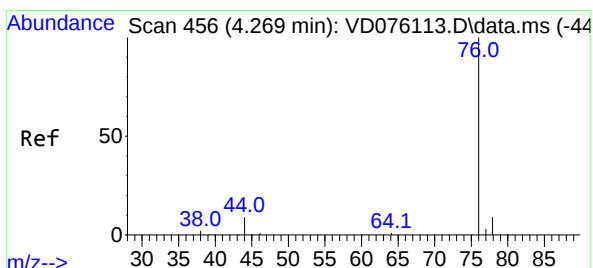
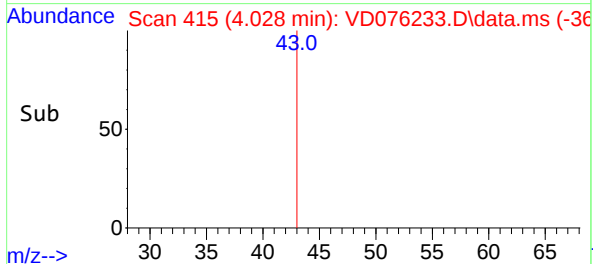
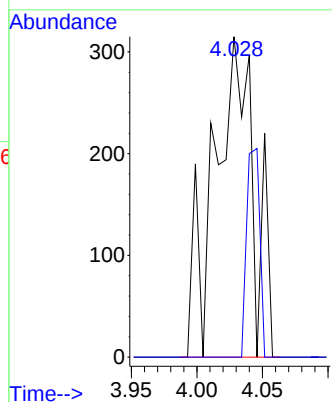
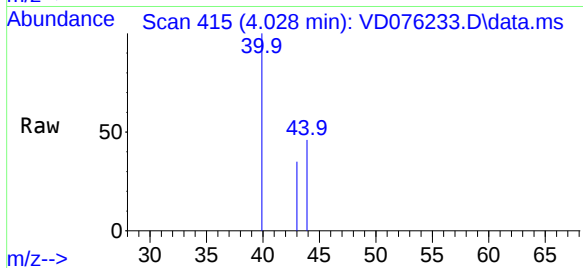
TP-33

Tgt Ion: 43 Resp: 660

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.275 min Scan# 457

Delta R.T. 0.006 min

Lab File: VD076233.D

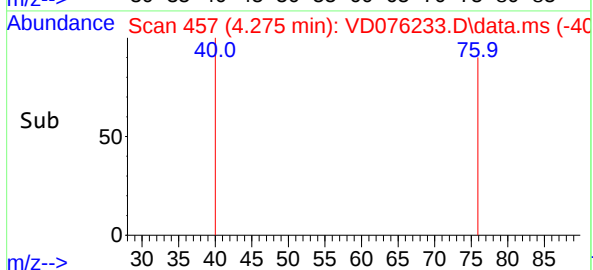
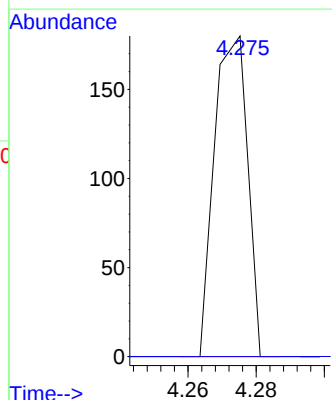
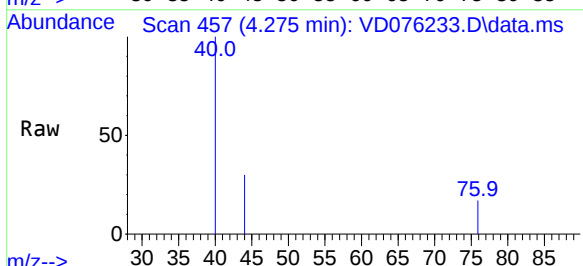
Acq: 25 May 2023 15:10

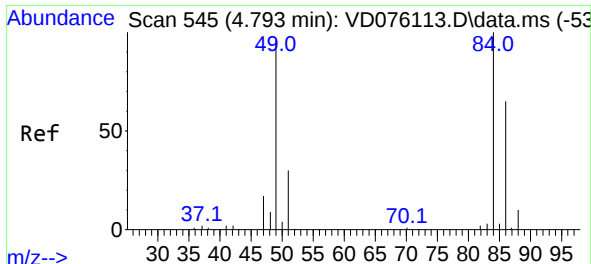
Tgt Ion: 76 Resp: 121

Ion Ratio Lower Upper

76 100

78 0.0 8.0 12.0#



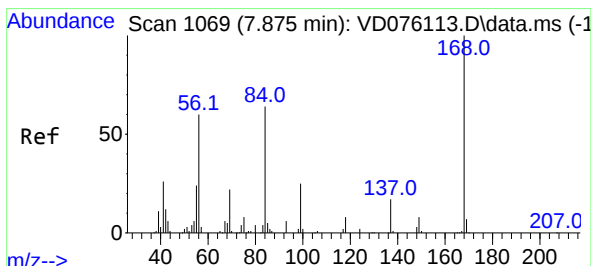
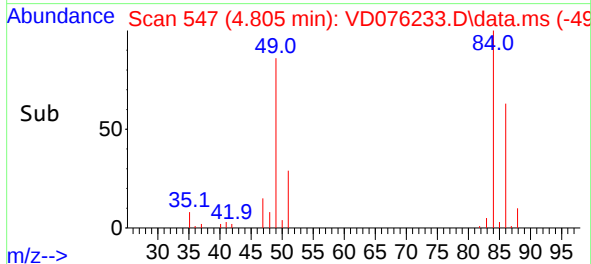
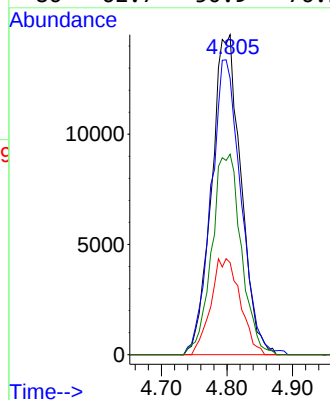
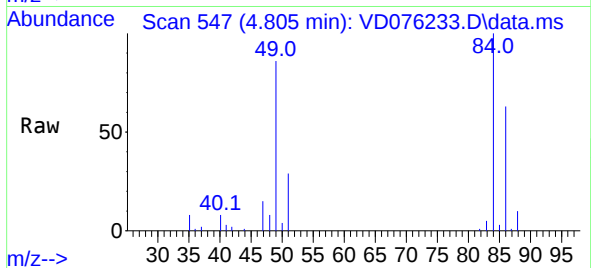


#20
Methylene Chloride
Concen: 3.855 ug/l
RT: 4.805 min Scan# 545
Delta R.T. 0.006 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

Instrument :
MSVOA_D
ClientSampleId :
TP-33

Tgt Ion: 84 Resp: 45028

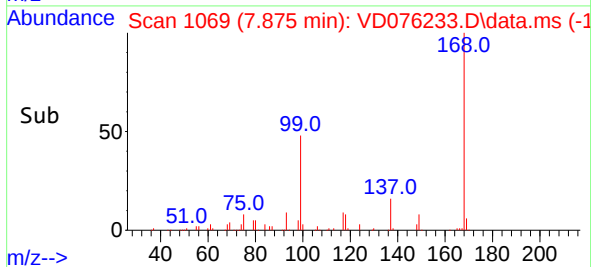
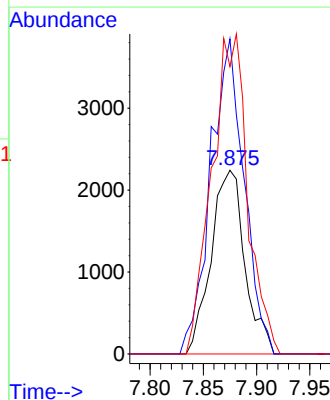
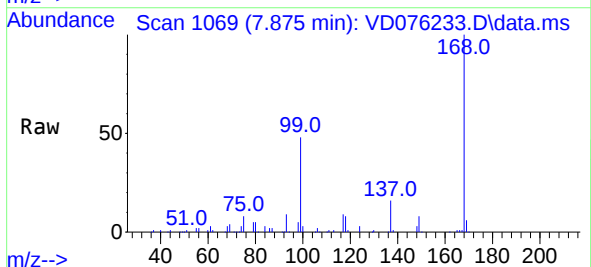
Ion	Ratio	Lower	Upper
84	100		
49	86.3	106.4	159.6#
51	28.8	32.4	48.6#
86	62.7	50.9	76.3

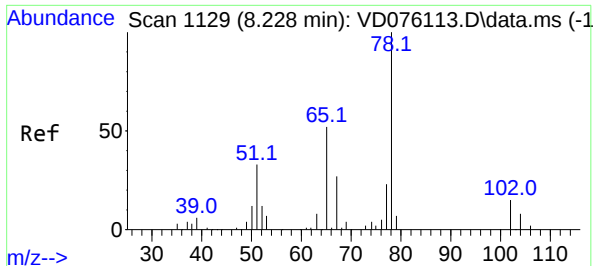


#31
Cyclohexane
Concen: 1.367 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

Tgt Ion: 56 Resp: 4955

Ion	Ratio	Lower	Upper
56	100		
69	171.4	25.5	38.3#
84	156.4	69.6	104.4#





#33

1,2-Dichloroethane-d4

Concen: 47.965 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076233.D

Acq: 25 May 2023 15:10

Instrument :

MSVOA_D

ClientSampleId :

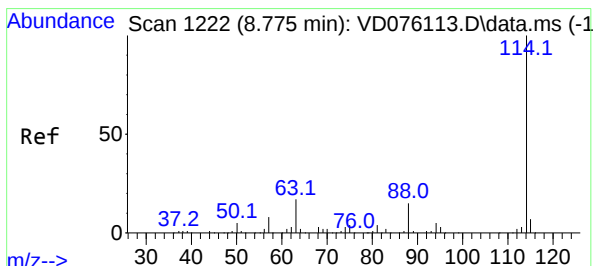
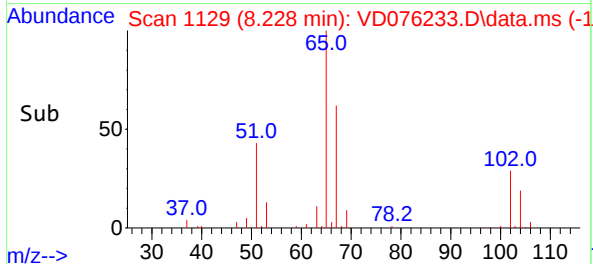
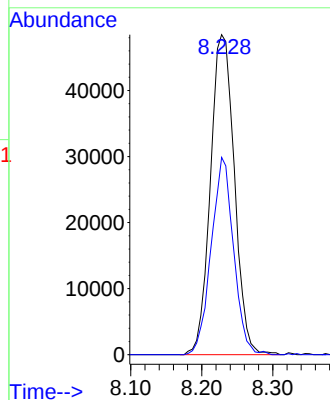
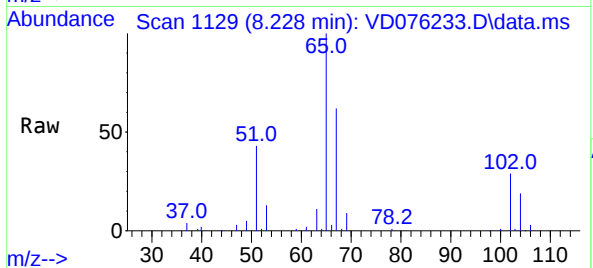
TP-33

Tgt Ion: 65 Resp: 113512

Ion Ratio Lower Upper

65 100

67 57.5 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076233.D

Acq: 25 May 2023 15:10

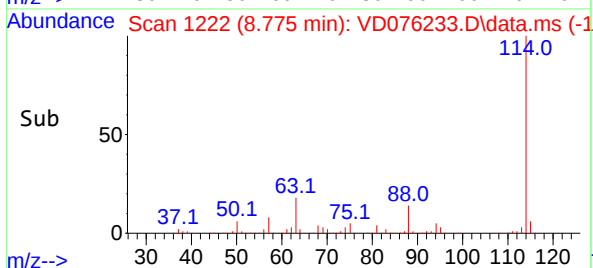
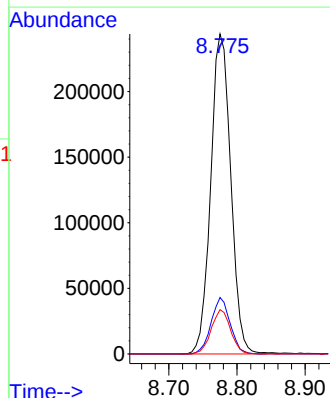
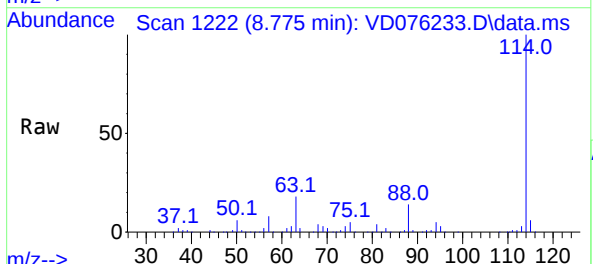
Tgt Ion: 114 Resp: 499576

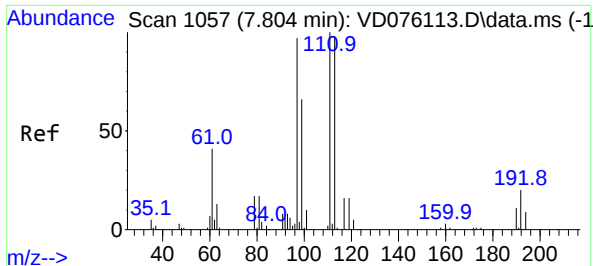
Ion Ratio Lower Upper

114 100

63 17.7 0.0 41.6

88 13.9 0.0 30.6

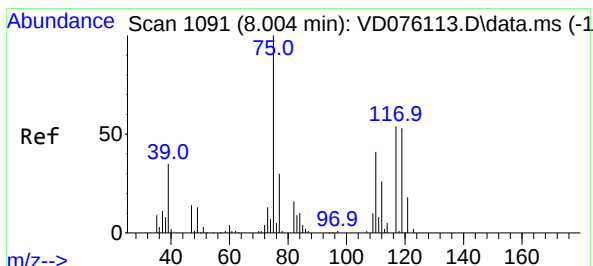
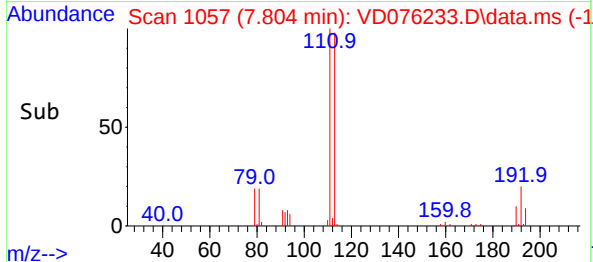
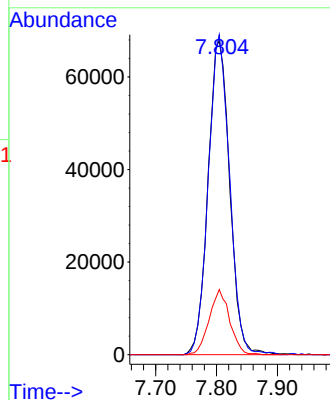
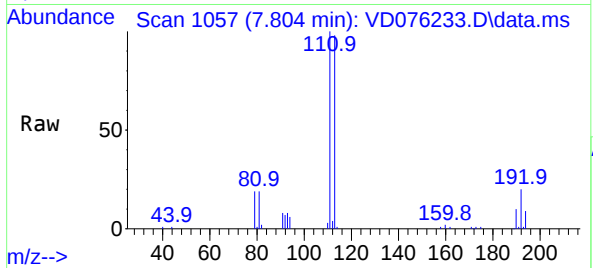




#35
Dibromofluoromethane
Concen: 48.618 ug/l
RT: 7.804 min Scan# 1069
Delta R.T. -0.001 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

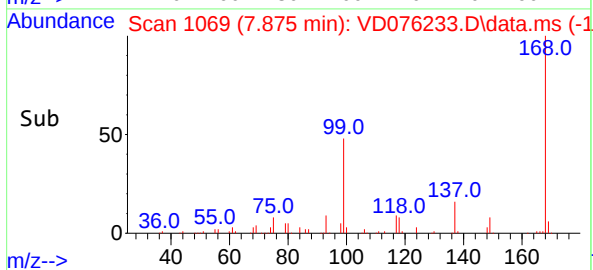
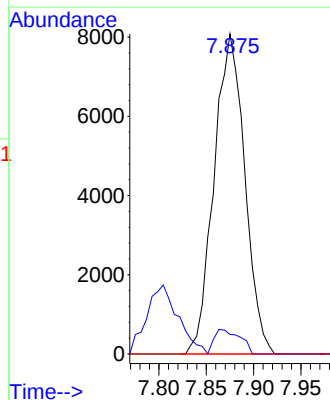
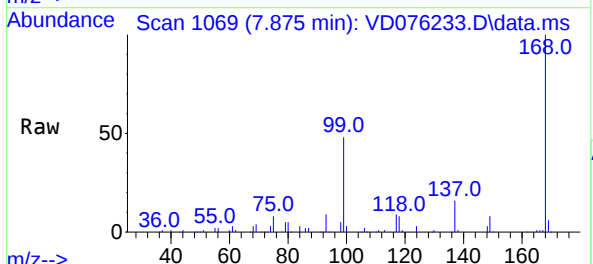
Instrument :
MSVOA_D
ClientSampleId :
TP-33

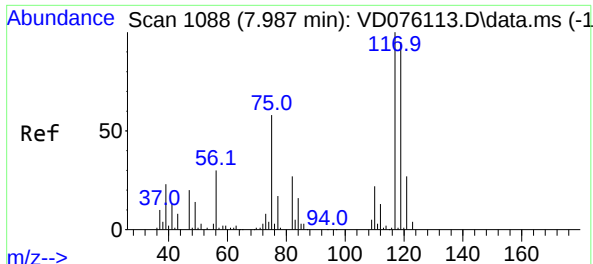
Tgt Ion: 113 Resp: 167885
Ion Ratio Lower Upper
113 100
111 99.7 81.4 122.0
192 19.6 15.2 22.8



#36
1,1-Dichloropropene
Concen: 3.908 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

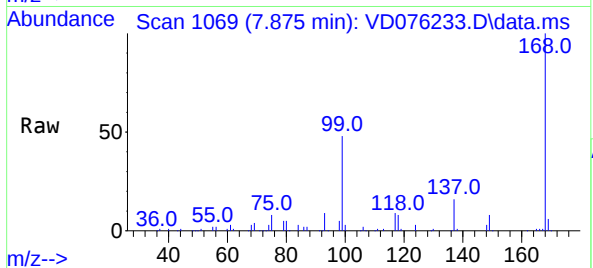
Tgt Ion: 75 Resp: 18224
Ion Ratio Lower Upper
75 100
110 6.4 17.1 51.2#
77 0.0 24.6 36.8#



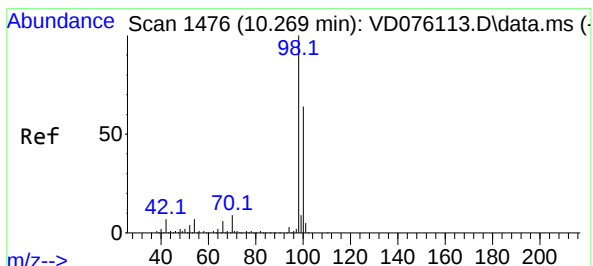
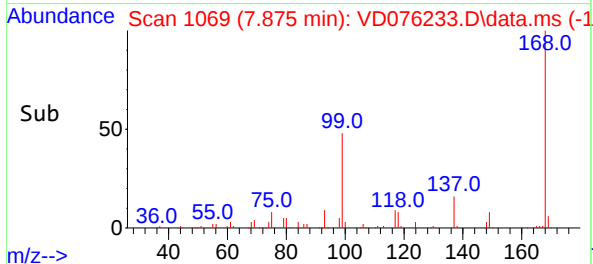
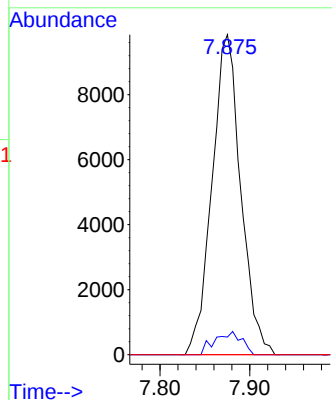


#38
Carbon Tetrachloride
Concen: 5.190 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.118 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

Instrument :
MSVOA_D
ClientSampleId :
TP-33

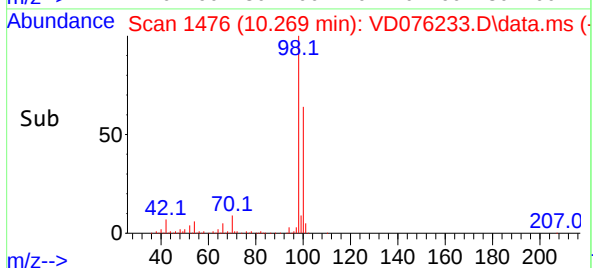
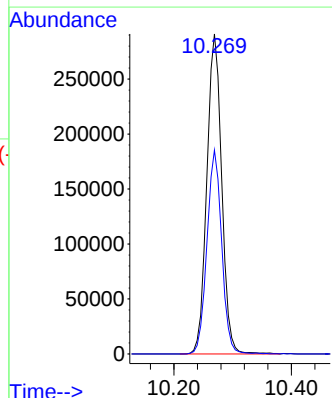
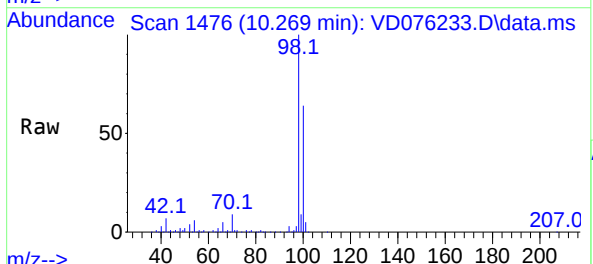


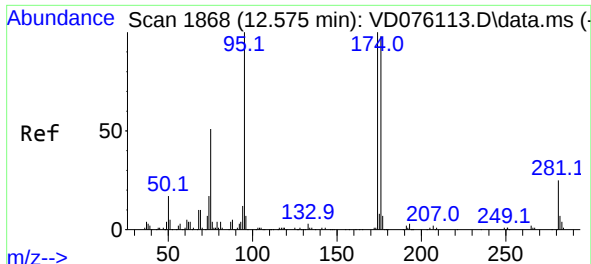
Tgt Ion:117 Resp: 21864
Ion Ratio Lower Upper
117 100
119 5.5 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 37.860 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

Tgt Ion: 98 Resp: 509650
Ion Ratio Lower Upper
98 100
100 63.1 52.1 78.1

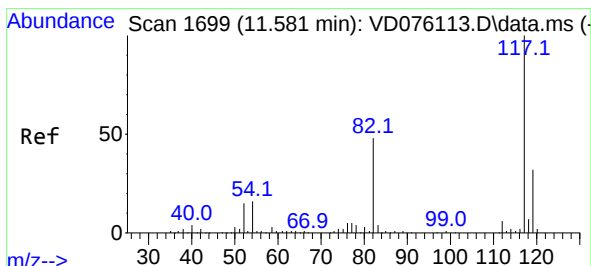
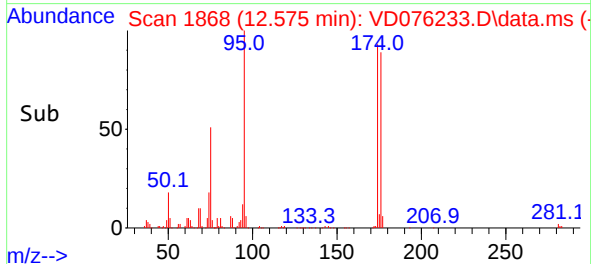
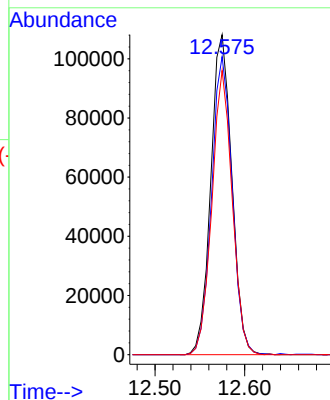
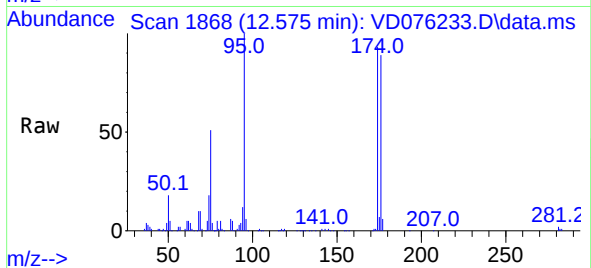




#62
4-Bromofluorobenzene
Concen: 46.994 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

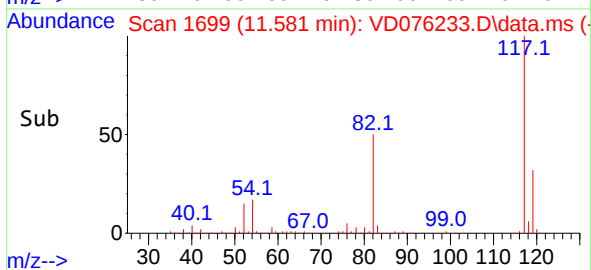
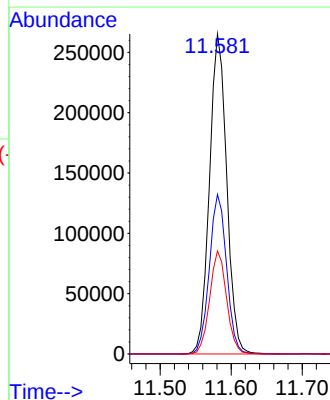
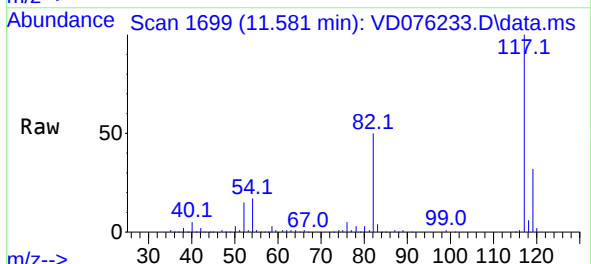
Instrument :
MSVOA_D
ClientSampleId :
TP-33

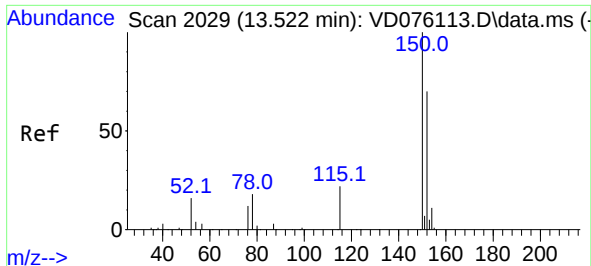
Tgt Ion: 95 Resp: 175726
Ion Ratio Lower Upper
95 100
174 91.4 0.0 164.0
176 85.8 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

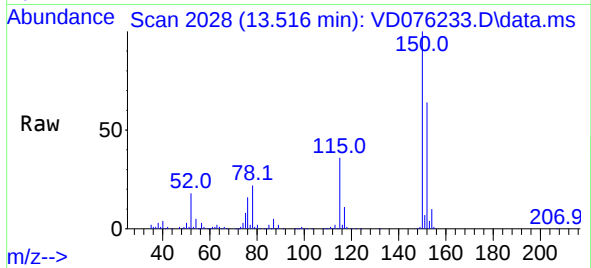
Tgt Ion: 117 Resp: 447064
Ion Ratio Lower Upper
117 100
82 49.9 44.0 66.0
119 32.2 25.1 37.7



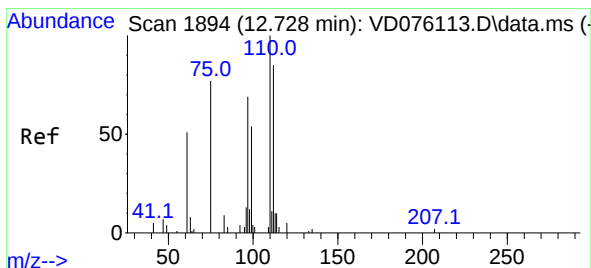
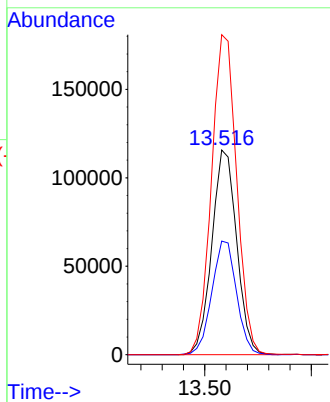
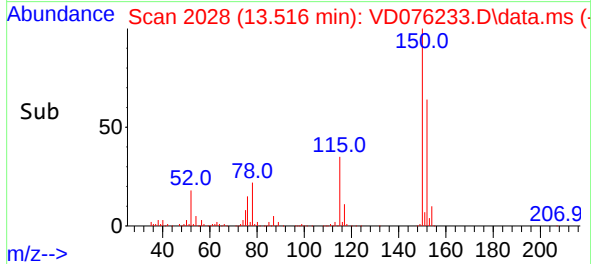


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.006 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

Instrument :
MSVOA_D
ClientSampleId :
TP-33

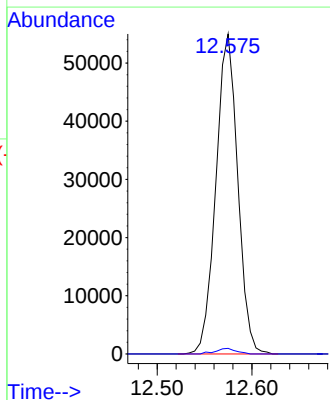
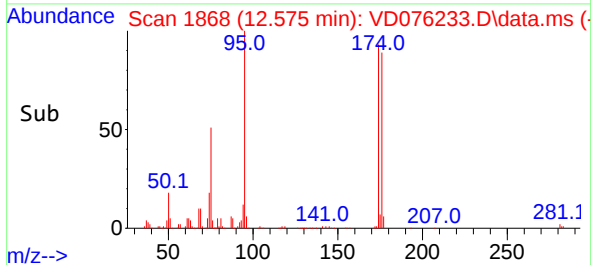
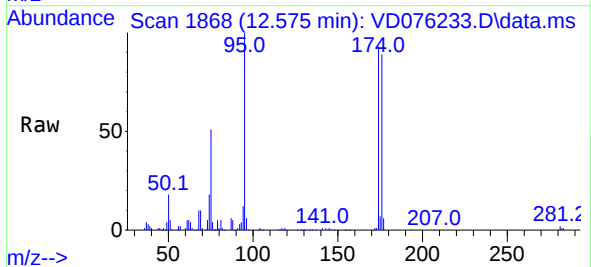


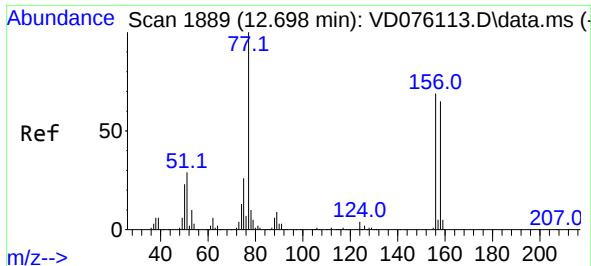
Tgt Ion:152 Resp: 187279
Ion Ratio Lower Upper
152 100
115 55.3 30.1 90.3
150 158.7 0.0 364.8



#76
1,2,3-Trichloropropane
Concen: 53.682 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

Tgt Ion: 75 Resp: 87976
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

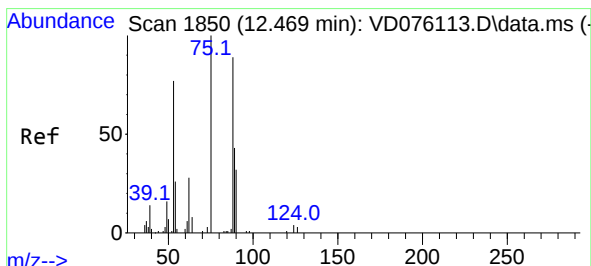
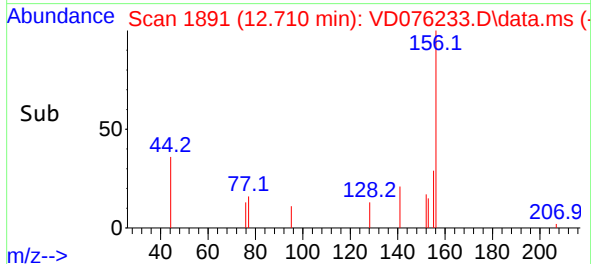
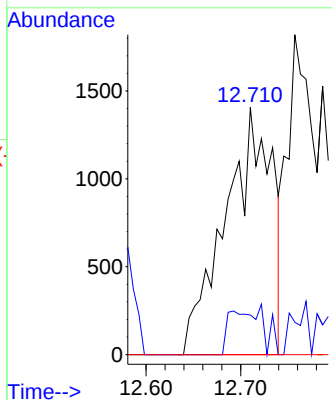
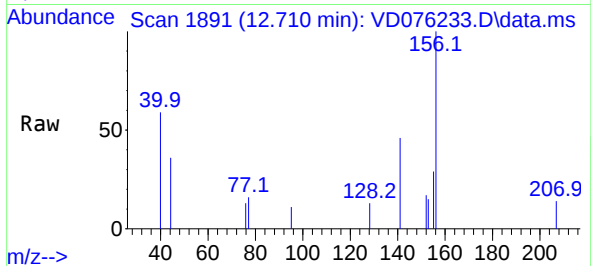




#77
Bromobenzene
Concen: 1.447 ug/l
RT: 12.710 min Scan# 1891
Delta R.T. 0.006 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

Instrument :
MSVOA_D
ClientSampleId :
TP-33

Tgt Ion:156 Resp: 4806
Ion Ratio Lower Upper
156 100
77 8.6 89.5 268.6#
158 0.0 47.8 143.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.615 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076233.D
Acq: 25 May 2023 15:10

Tgt Ion: 75 Resp: 87976
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 40.2 60.4#

