

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081922\
 Data File : VD074160.D
 Acq On : 19 Aug 2022 20:52
 Operator : VA/SY
 Sample : N4224-04
 Misc : 5.55G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-0816

Quant Time: Aug 20 01:29:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 19 09:25:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	146594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	259961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	254093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	119362	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	65800	61.778	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.560%
35) Dibromofluoromethane	7.903	113	85957	69.038	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	138.080%
50) Toluene-d8	10.332	98	184549	52.080	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.160%
62) 4-Bromofluorobenzene	12.620	95	107282	55.152	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	110.300%

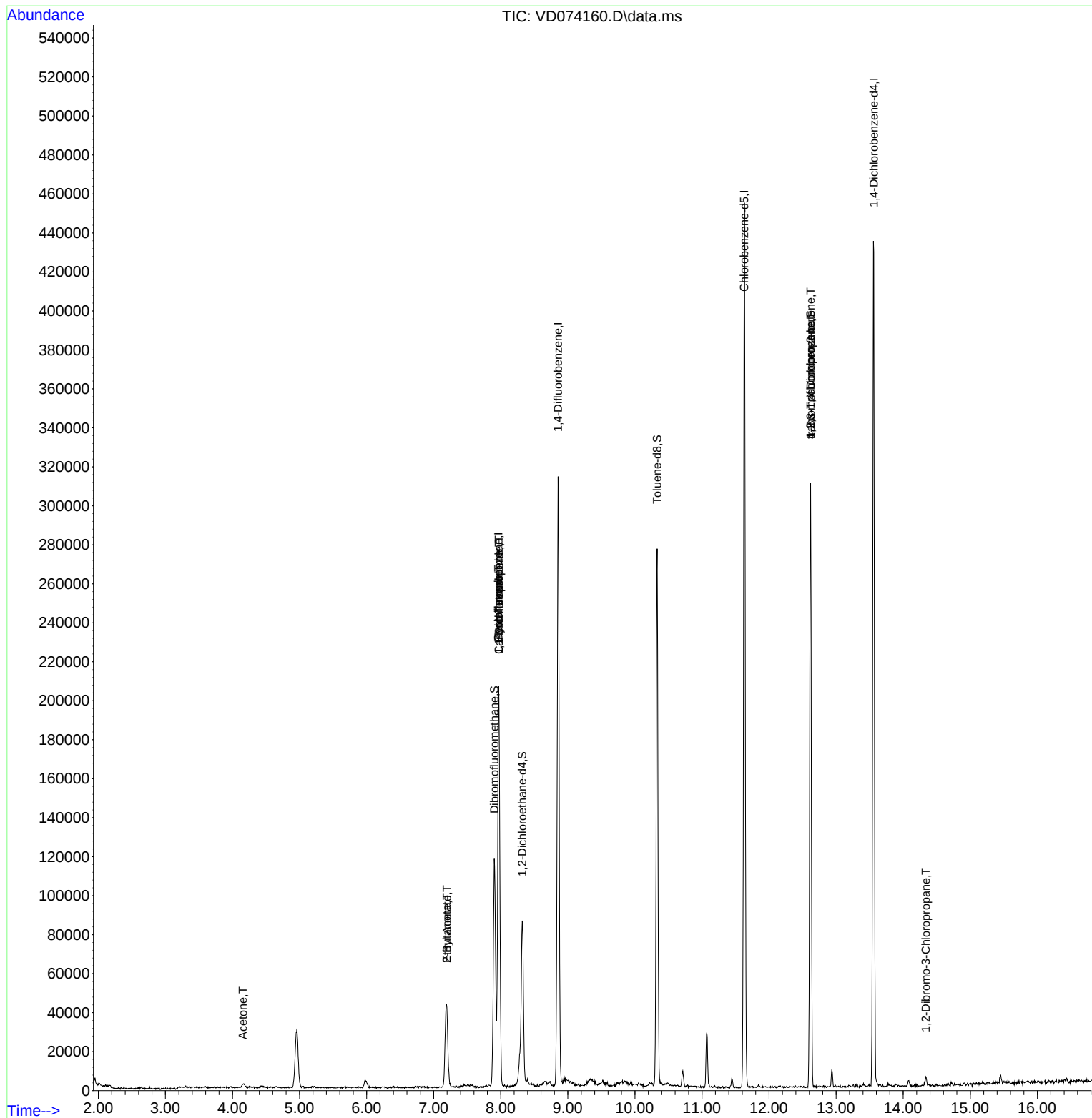
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.232	59	389	Below Cal	#	74
16) Acetone	4.156	43	3456	10.943	ug/l #	87
25) 2-Butanone	7.197	43	2862	5.554	ug/l #	52
31) Cyclohexane	7.967	56	3383	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	12734	4.785	ug/l #	51
37) Ethyl Acetate	7.197	43	2862	2.400	ug/l #	1
38) Carbon Tetrachloride	7.973	117	16273	6.184	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	53361	43.169	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	53361	112.962	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.338	75	521	1.824	ug/l #	6

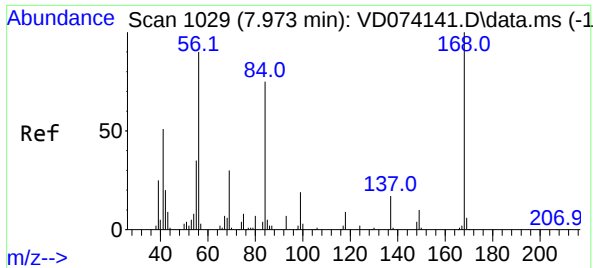
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

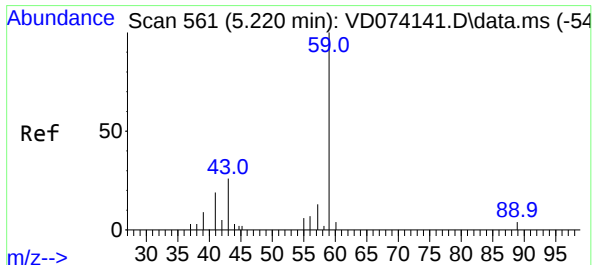
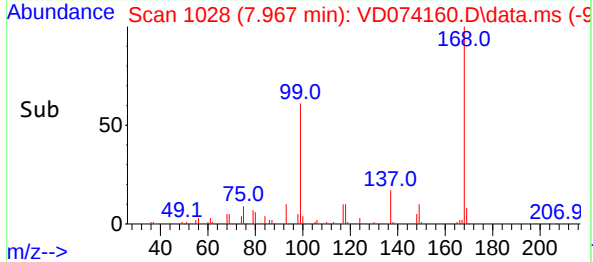
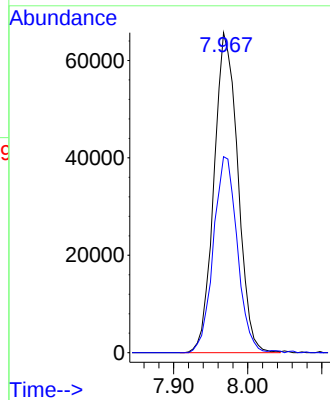
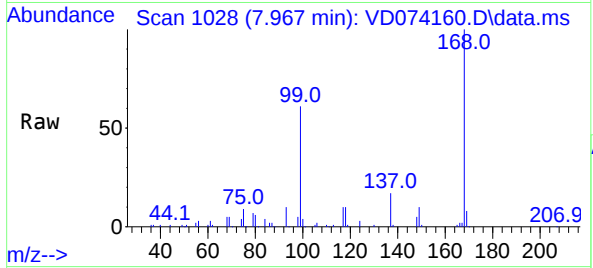




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

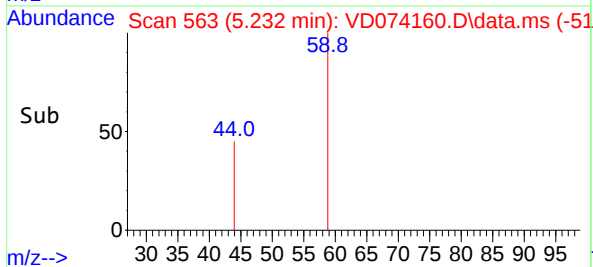
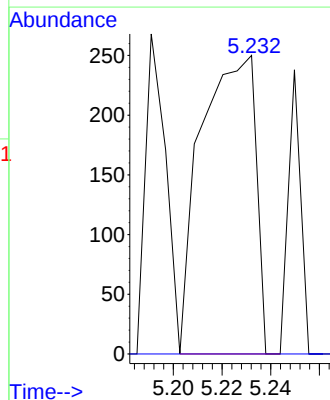
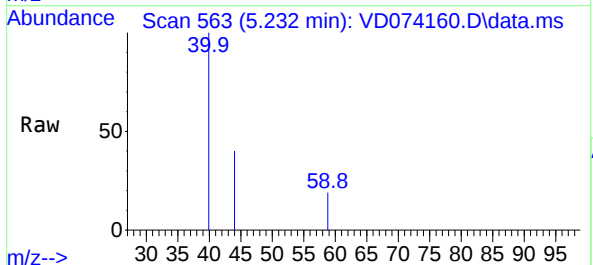
Instrument :
MSVOA_D
ClientSampleId :
TP2-0816

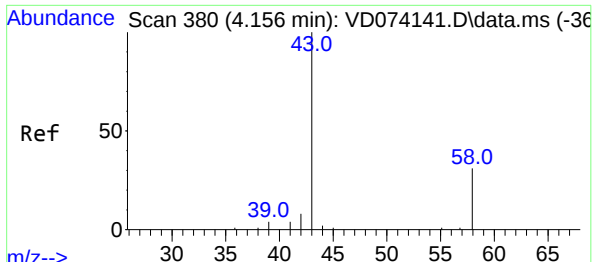
Tgt Ion:168 Resp: 146594
Ion Ratio Lower Upper
168 100
99 61.3 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

Tgt Ion: 59 Resp: 389
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

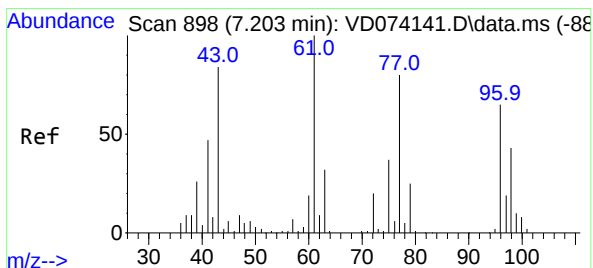
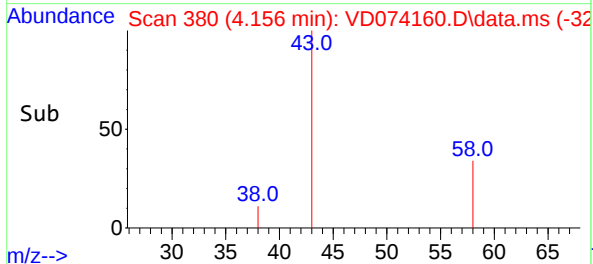
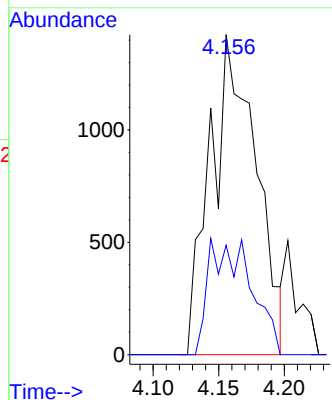
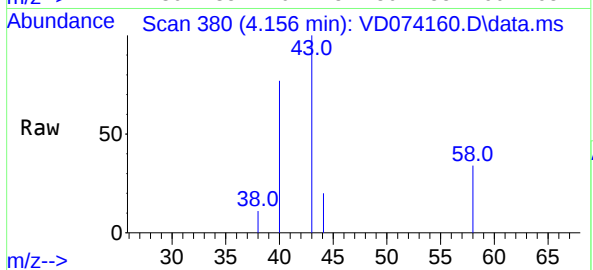




#16
Acetone
Concen: 10.943 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

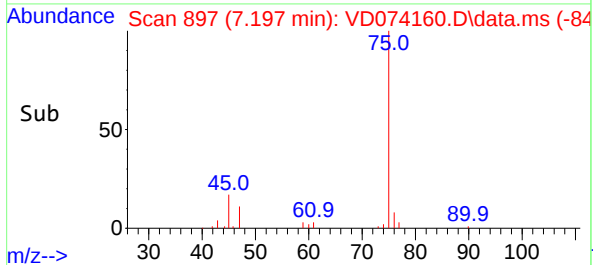
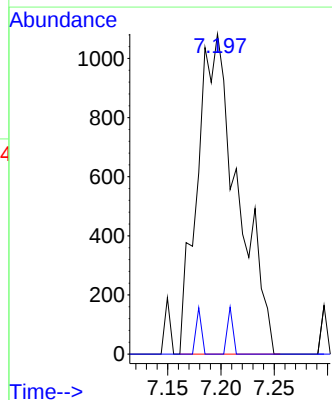
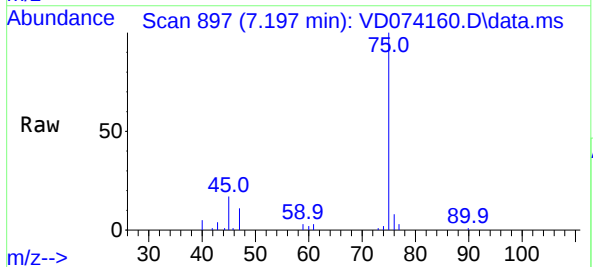
Instrument :
MSVOA_D
ClientSampleId :
TP2-0816

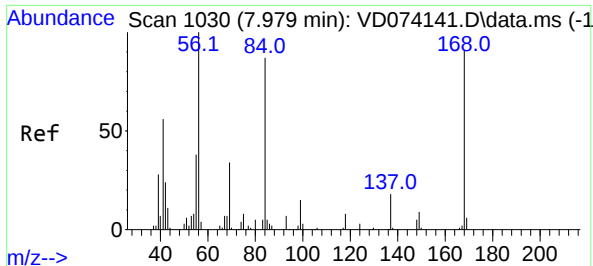
Tgt Ion: 43 Resp: 3456
Ion Ratio Lower Upper
43 100
58 34.2 22.1 33.1#



#25
2-Butanone
Concen: 5.554 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

Tgt Ion: 43 Resp: 2862
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.090 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD074160.D

Acq: 19 Aug 2022 20:52

Instrument :

MSVOA_D

ClientSampleId :

TP2-0816

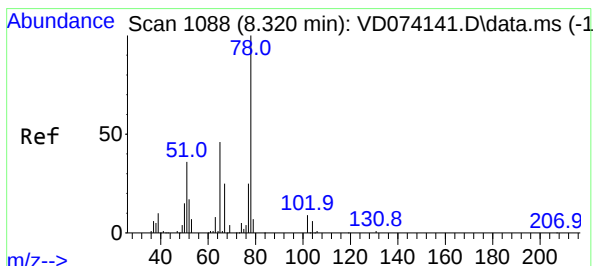
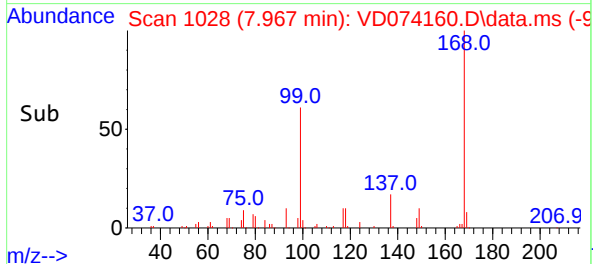
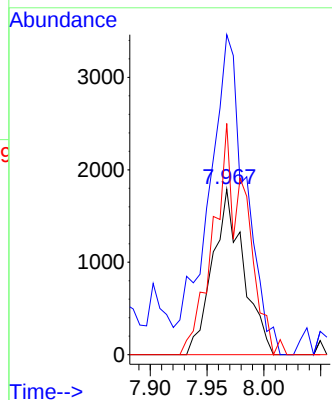
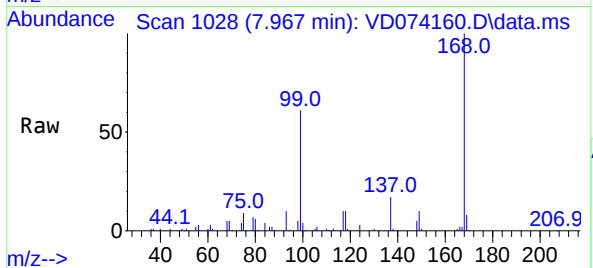
Tgt Ion: 56 Resp: 3383

Ion Ratio Lower Upper

56 100

69 193.4 25.4 38.2#

84 139.8 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 61.778 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD074160.D

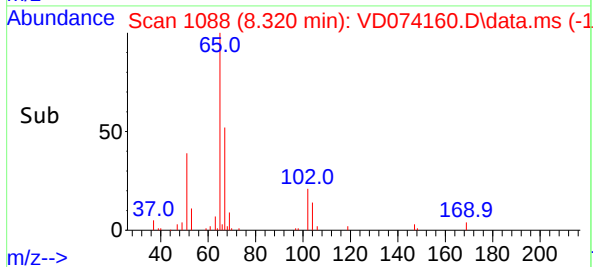
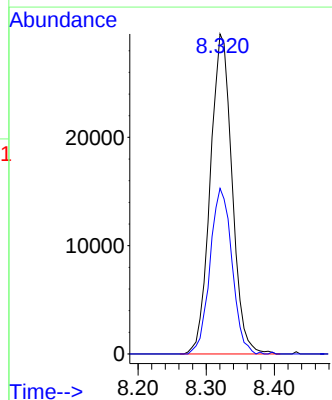
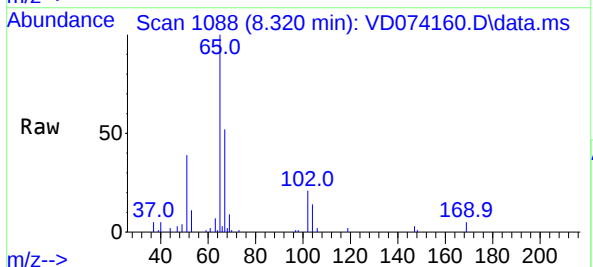
Acq: 19 Aug 2022 20:52

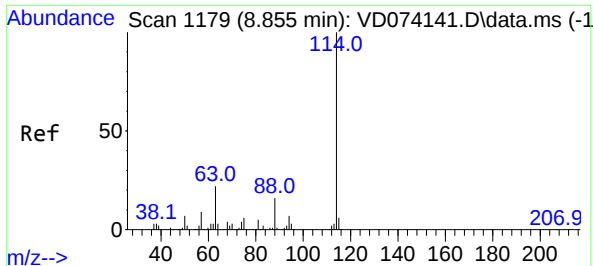
Tgt Ion: 65 Resp: 65800

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD074160.D

Acq: 19 Aug 2022 20:52

Instrument :

MSVOA_D

ClientSampleId :

TP2-0816

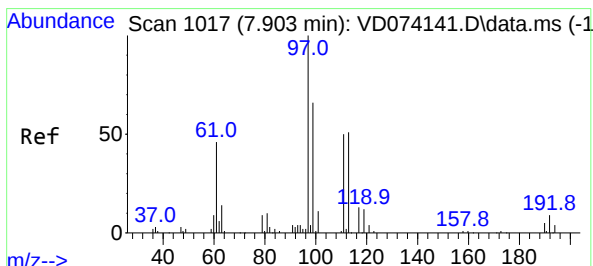
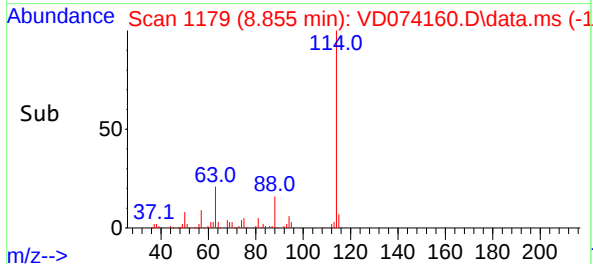
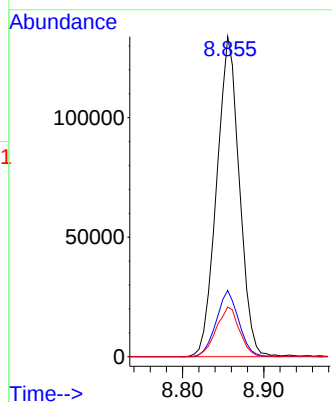
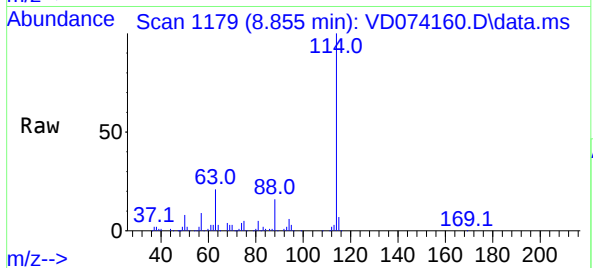
Tgt Ion:114 Resp: 259961

Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 69.038 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VD074160.D

Acq: 19 Aug 2022 20:52

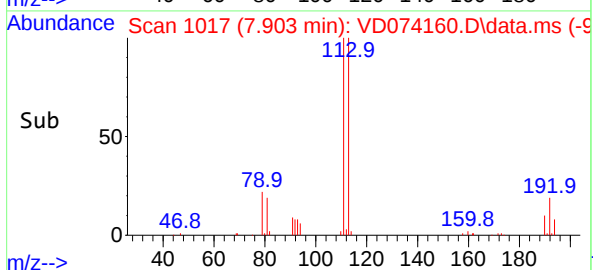
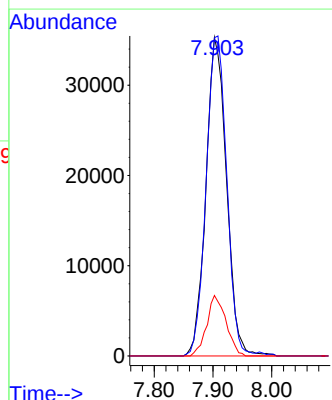
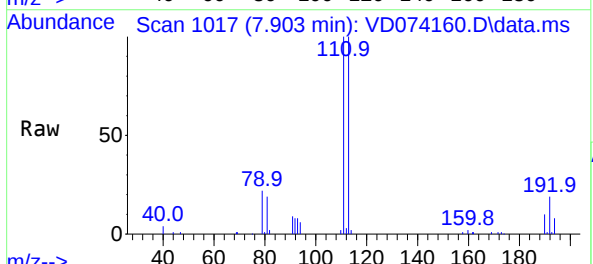
Tgt Ion:113 Resp: 85957

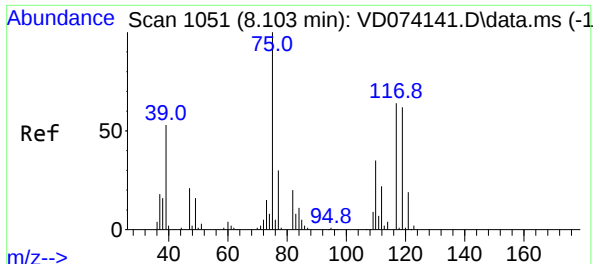
Ion Ratio Lower Upper

113 100

111 100.3 83.8 125.6

192 17.8 14.6 21.8

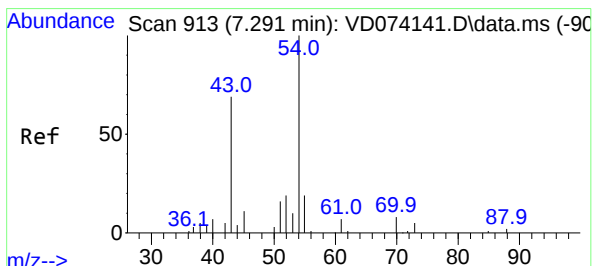
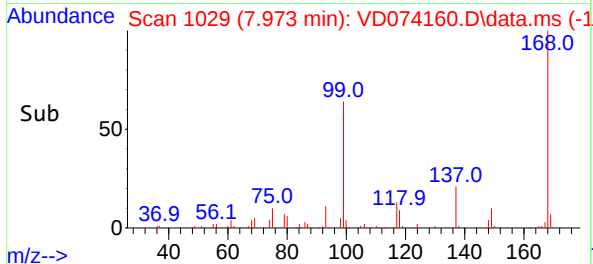
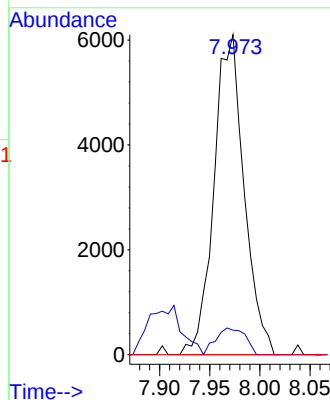
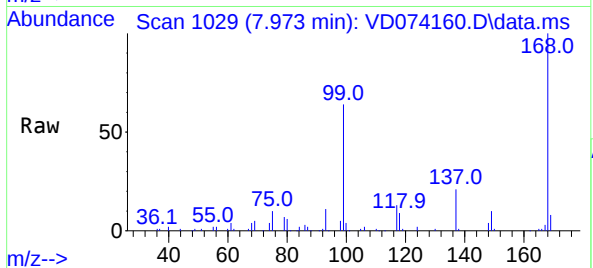




#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.130 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

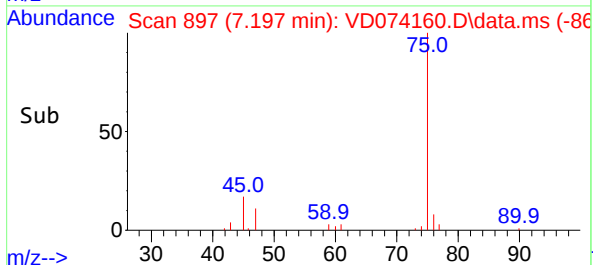
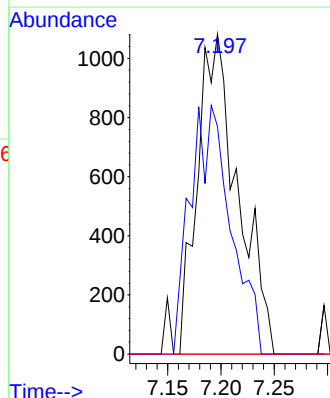
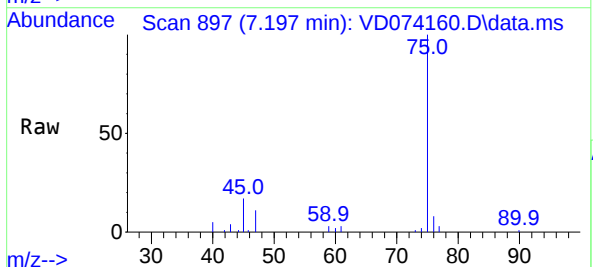
Instrument :
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TP2-0816

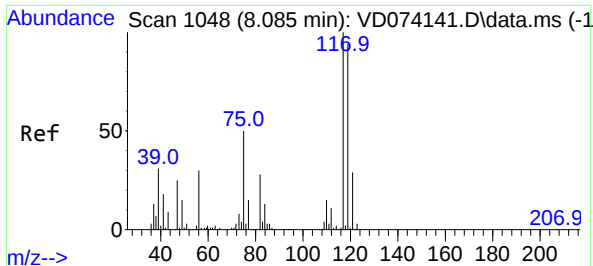
Tgt Ion: 75 Resp: 12734
Ion Ratio Lower Upper
75 100
110 8.1 16.4 49.1#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: 2.400 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.094 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

Tgt Ion: 43 Resp: 2862
Ion Ratio Lower Upper
43 100
61 78.1 9.8 14.8#
70 0.0 6.9 10.3#

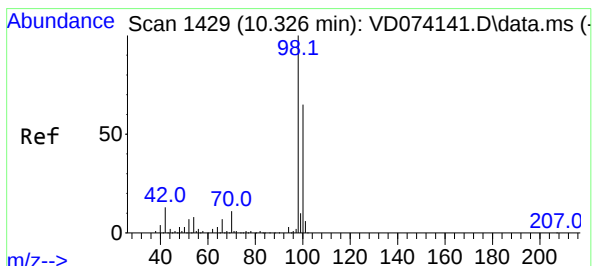
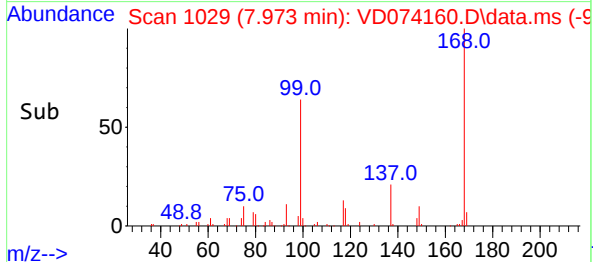
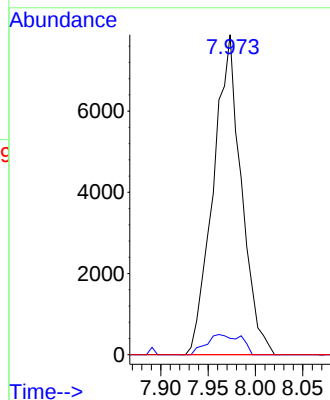
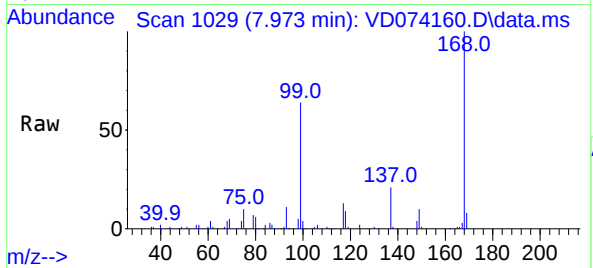




#38
Carbon Tetrachloride
Concen: 6.184 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.112 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

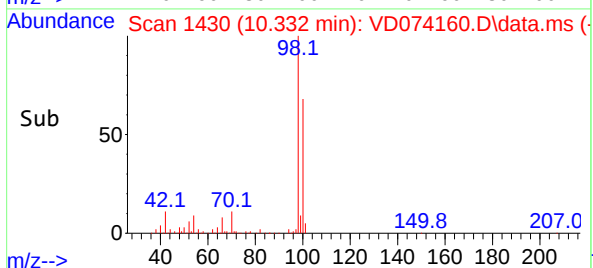
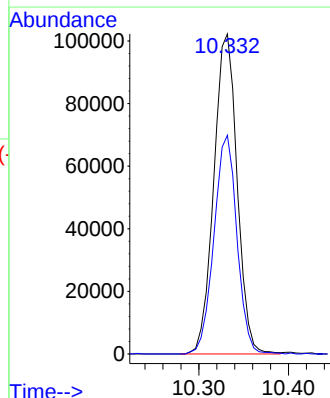
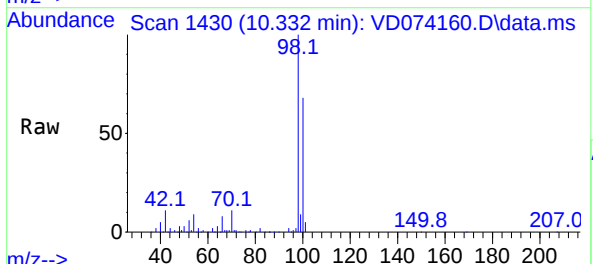
Instrument :
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TP2-0816

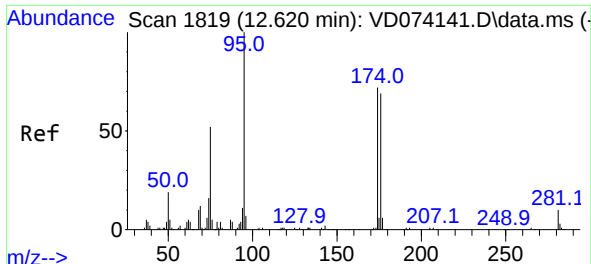
Tgt Ion:117 Resp: 16273
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.080 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

Tgt Ion: 98 Resp: 184549
Ion Ratio Lower Upper
98 100
100 67.3 52.4 78.6

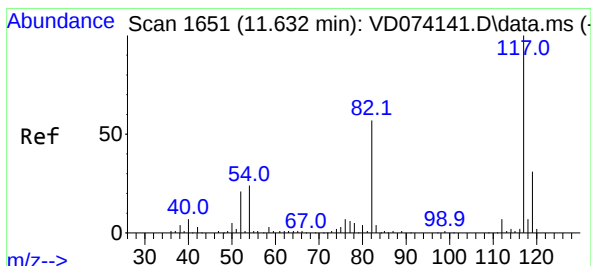
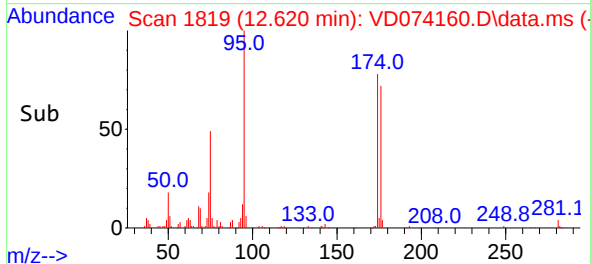
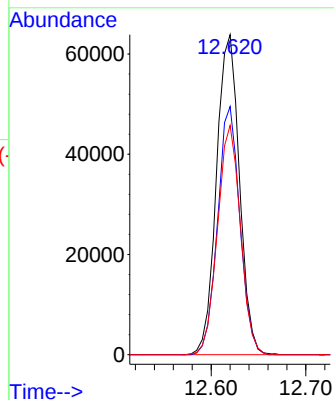
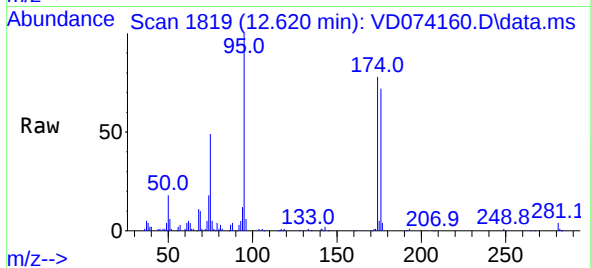




#62
4-Bromofluorobenzene
Concen: 55.152 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

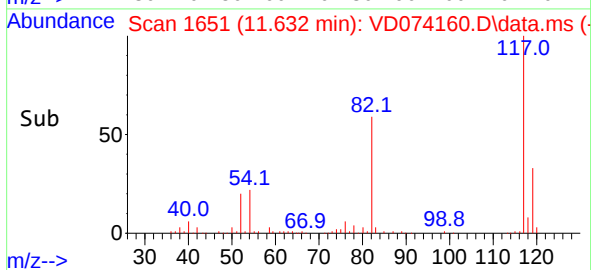
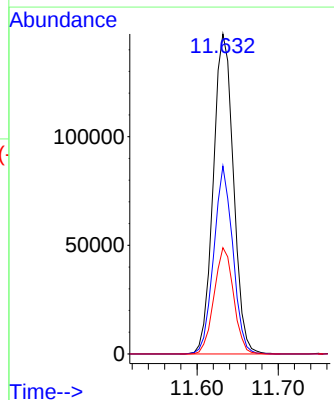
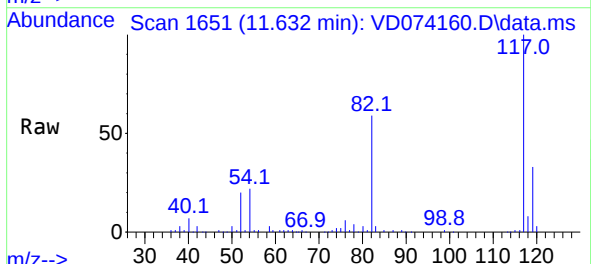
Instrument :
MSVOA_D
ClientSampleId :
TP2-0816

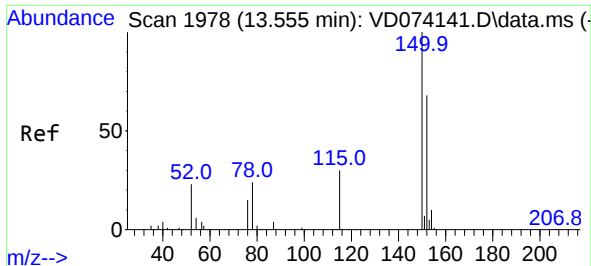
Tgt Ion: 95 Resp: 107282
Ion Ratio Lower Upper
95 100
174 75.3 0.0 152.8
176 71.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

Tgt Ion: 117 Resp: 254093
Ion Ratio Lower Upper
117 100
82 58.7 45.3 67.9
119 33.2 26.6 40.0

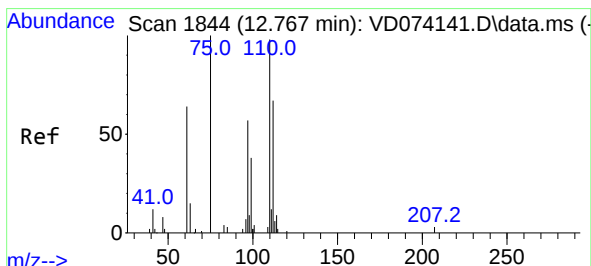
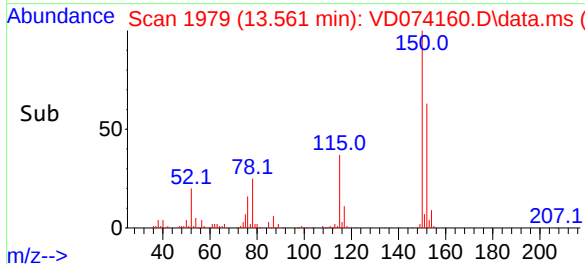
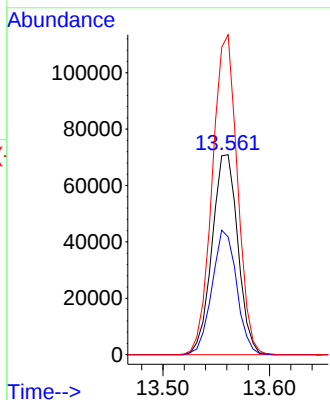
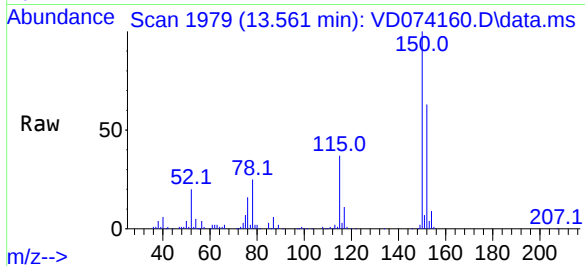




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

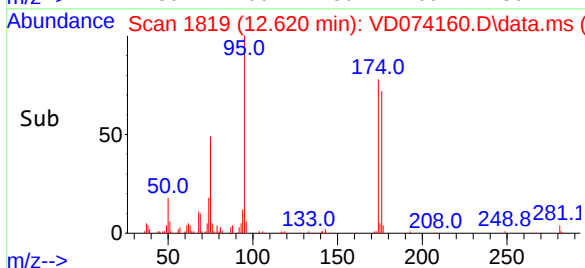
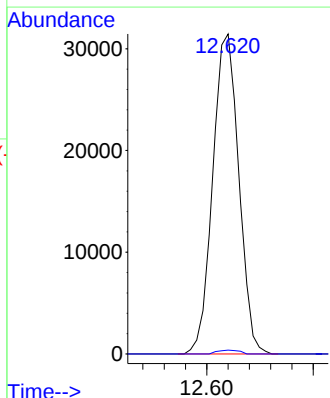
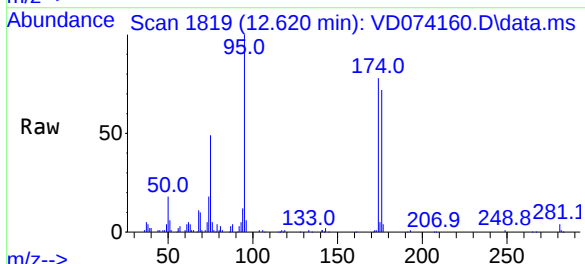
Instrument :
MSVOA_D
ClientSampleId :
TP2-0816

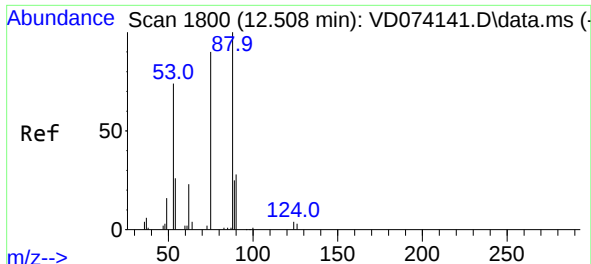
Tgt Ion:152 Resp: 119362
Ion Ratio Lower Upper
152 100
115 59.6 31.3 93.8
150 155.4 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 43.169 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

Tgt Ion: 75 Resp: 53361
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

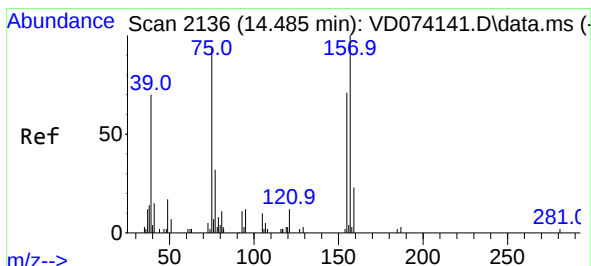
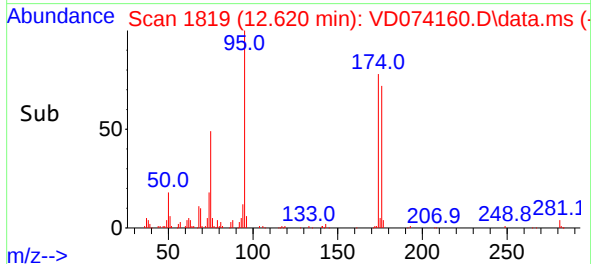
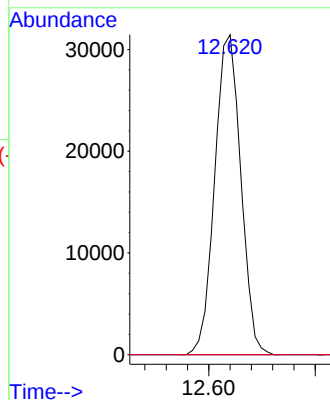
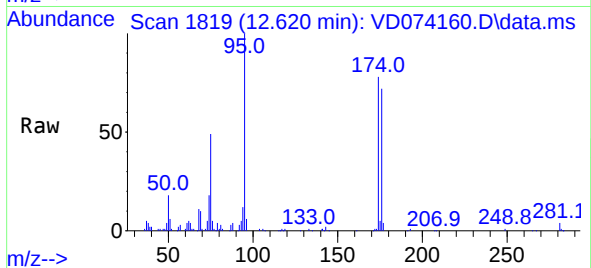




#81
trans-1,4-Dichloro-2-butene
Concen: 112.962 ug/l
RT: 12.620 min Scan# 1111
Delta R.T. 0.112 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

Instrument :
MSVOA_D
ClientSampleId :
TP2-0816

Tgt Ion: 75 Resp: 53361
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.824 ug/l
RT: 14.338 min Scan# 2111
Delta R.T. -0.147 min
Lab File: VD074160.D
Acq: 19 Aug 2022 20:52

Tgt Ion: 75 Resp: 521
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#

