

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081122\
 Data File : VD074048.D
 Acq On : 11 Aug 2022 18:19
 Operator : VA/SY
 Sample : N4130-07RE
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB06RE

Quant Time: Aug 12 01:18:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

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

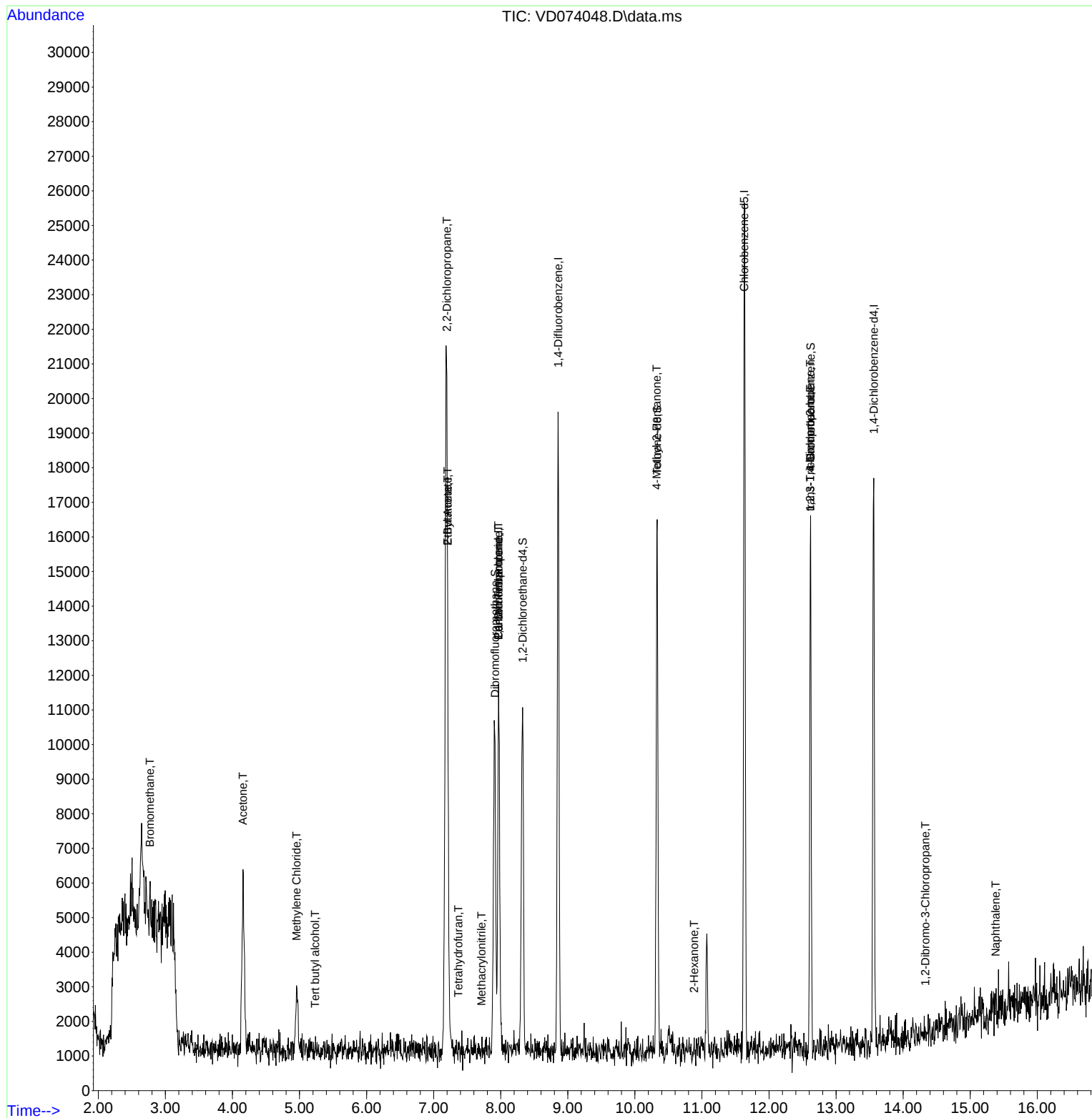
Internal Standards						
1) Pentafluorobenzene	7.967	168	7842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	14465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	14994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	4734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	7759	138.565	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 277.140%#	
35) Dibromofluoromethane	7.914	113	6732	70.070	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 140.140%	
50) Toluene-d8	10.332	98	10654	41.417	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 82.840%	
62) 4-Bromofluorobenzene	12.620	95	4352	36.835	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	124	Below Cal	#	40
5) Bromomethane	2.768	94	175	1.522	ug/l #	47
11) Tert butyl alcohol	5.232	59	59	21.756	ug/l #	74
16) Acetone	4.156	43	8103	645.773	ug/l	95
18) Methyl Acetate	4.444	43	59	Below Cal	#	49
20) Methylene Chloride	4.956	84	1087	10.655	ug/l #	62
25) 2-Butanone	7.208	43	1181	60.186	ug/l #	46
26) 2,2-Dichloropropane	7.197	77	1457	9.814	ug/l #	53
29) Tetrahydrofuran	7.367	42	67	5.546	ug/l #	31
36) 1,1-Dichloropropene	7.967	75	574	3.926	ug/l #	41
37) Ethyl Acetate	7.208	43	1181	22.697	ug/l #	1
38) Carbon Tetrachloride	7.967	117	761	4.617	ug/l #	13
41) Methacrylonitrile	7.714	41	55	1.934	ug/l #	18
51) 4-Methyl-2-Pentanone	10.326	43	66	1.293	ug/l #	36
59) 2-Hexanone	10.885	43	64	1.870	ug/l #	23
76) 1,2,3-Trichloropropane	12.614	75	2786	64.458	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	2786	172.037	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.332	75	74	6.333	ug/l #	1
95) Naphthalene	15.379	128	182	1.248	ug/l #	69

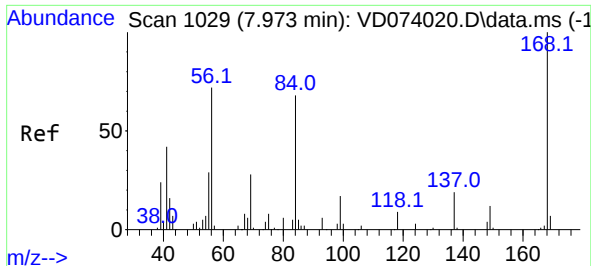
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081122\
Data File : VD074048.D
Acq On : 11 Aug 2022 18:19
Operator : VA/SY
Sample : N4130-07RE
Misc : 5.06G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB06RE

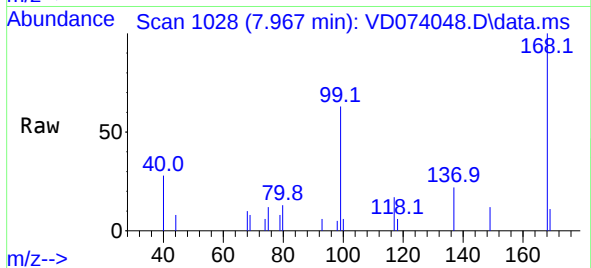
Quant Time: Aug 12 01:18:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 10 14:55:58 2022
Response via : Initial Calibration



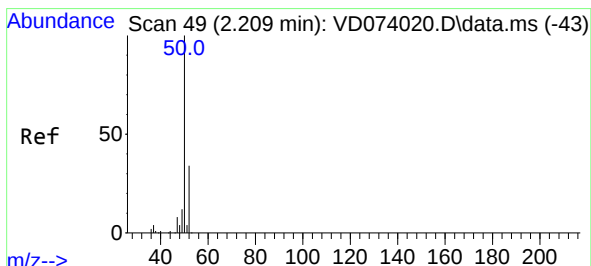
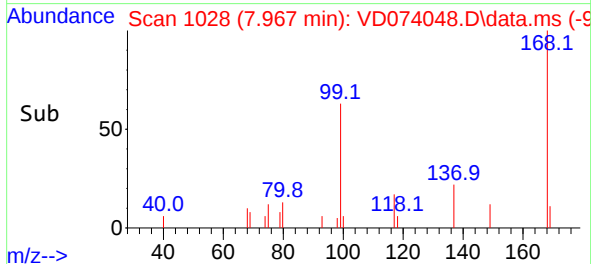
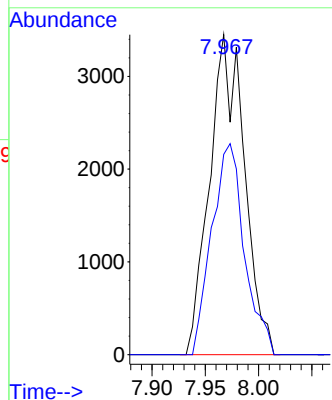


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

Instrument :
MSVOA_D
ClientSampleId :
SB06RE

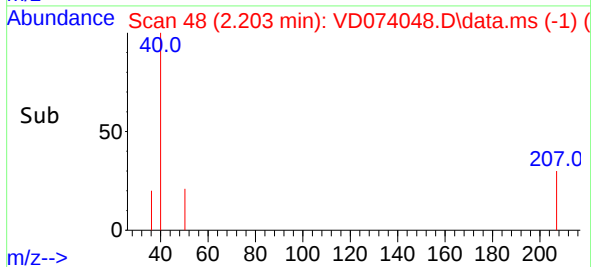
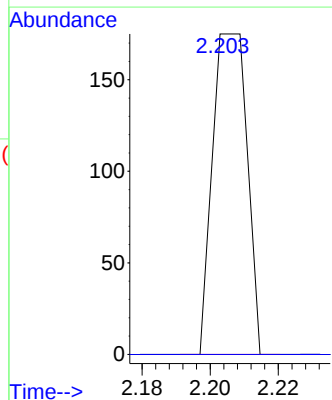
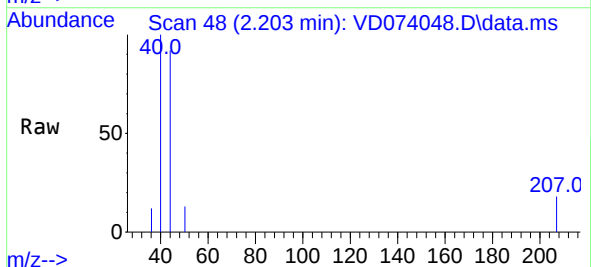


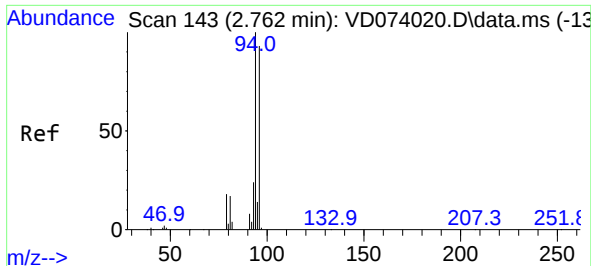
Tgt Ion:168 Resp: 7842
Ion Ratio Lower Upper
168 100
99 62.6 48.3 72.5



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

Tgt Ion: 50 Resp: 124
Ion Ratio Lower Upper
50 100
52 0.0 28.1 42.1#

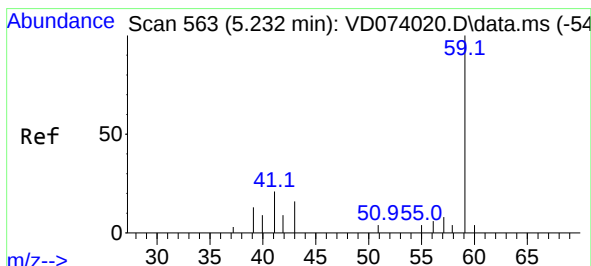
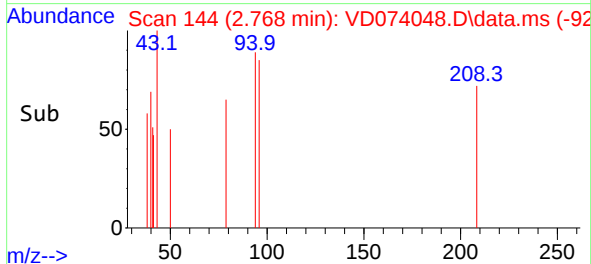
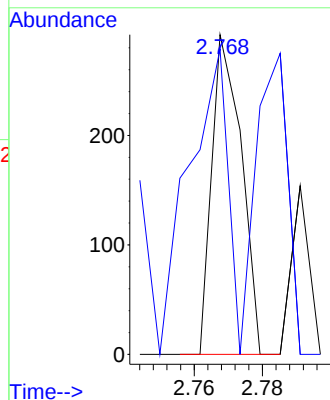
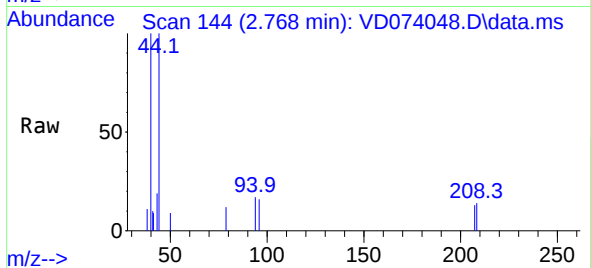




#5
Bromomethane
Concen: 1.522 ug/l
RT: 2.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

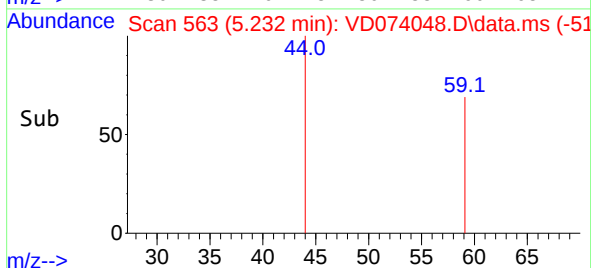
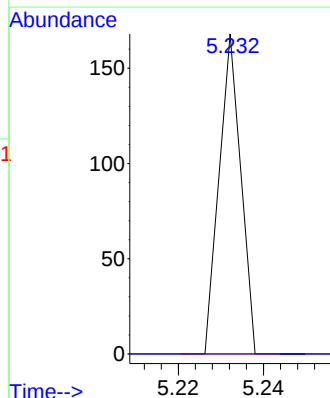
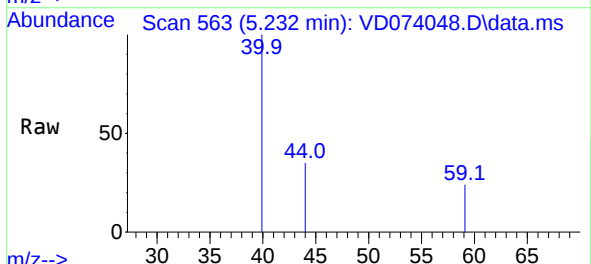
Instrument :
MSVOA_D
ClientSampleId :
SB06RE

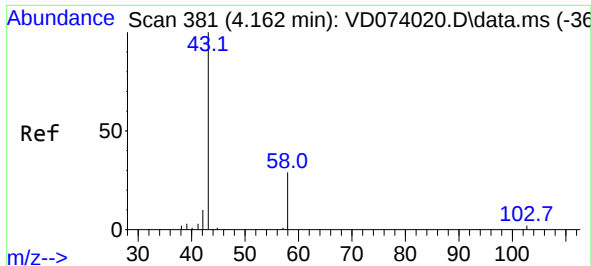
Tgt Ion: 94 Resp: 175
Ion Ratio Lower Upper
94 100
96 40.4 72.0 108.0#



#11
Tert butyl alcohol
Concen: 21.756 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.000 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

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





#16

Acetone

Concen: 645.773 ug/l

RT: 4.156 min Scan# 381

Delta R.T. -0.006 min

Lab File: VD074048.D

Acq: 11 Aug 2022 18:19

Instrument :

MSVOA_D

ClientSampleId :

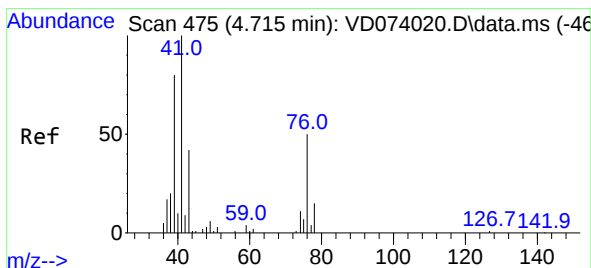
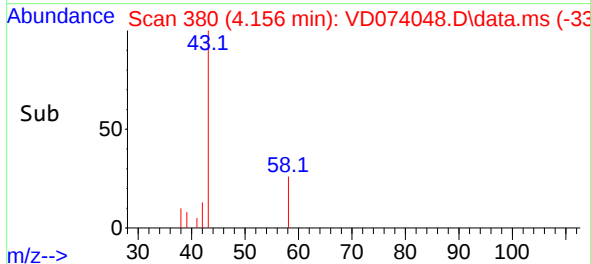
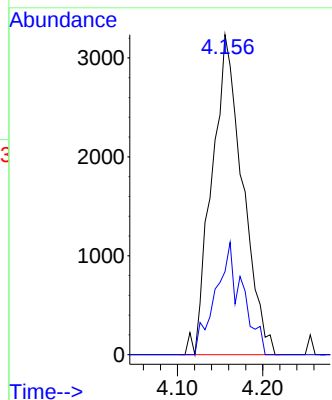
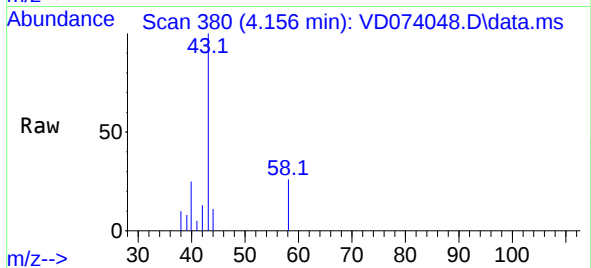
SB06RE

Tgt Ion: 43 Resp: 8103

Ion Ratio Lower Upper

43 100

58 26.0 22.8 34.2



#18

Methyl Acetate

Concen: Below Cal

RT: 4.444 min Scan# 429

Delta R.T. -0.271 min

Lab File: VD074048.D

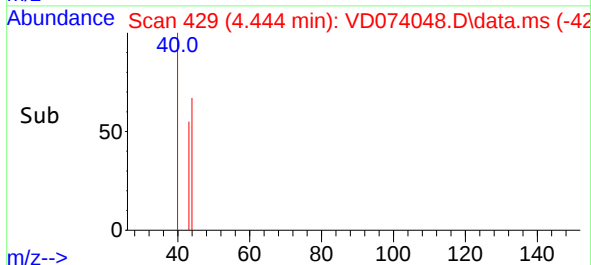
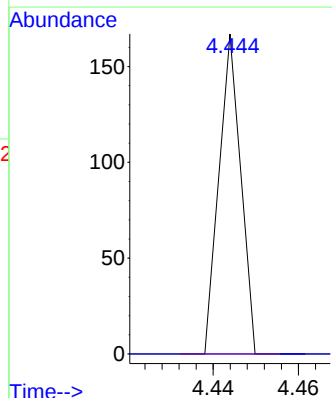
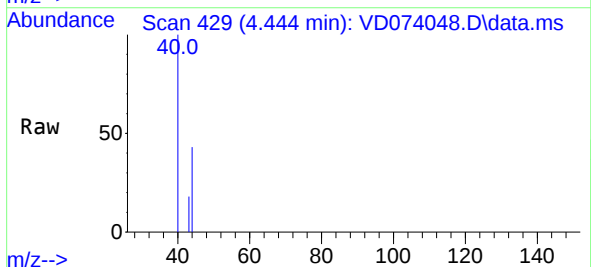
Acq: 11 Aug 2022 18:19

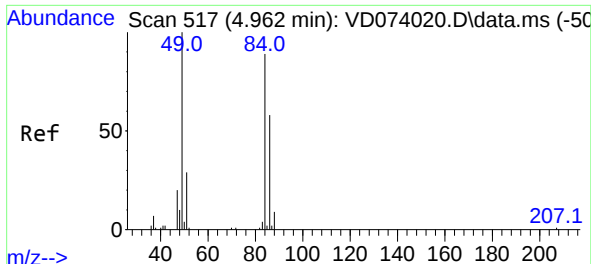
Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

74 0.0 21.0 31.4#





#20

Methylene Chloride

Concen: 10.655 ug/l

RT: 4.956 min Scan# 517

Delta R.T. -0.006 min

Lab File: VD074048.D

Acq: 11 Aug 2022 18:19

Instrument :

MSVOA_D

ClientSampleId :

SB06RE

Tgt Ion: 84 Resp: 1087

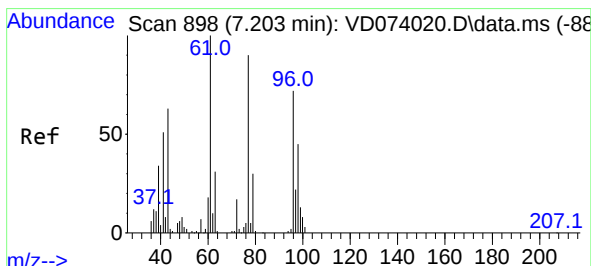
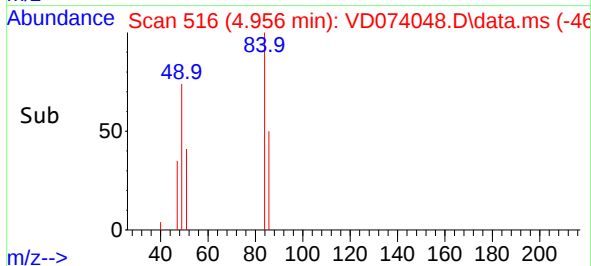
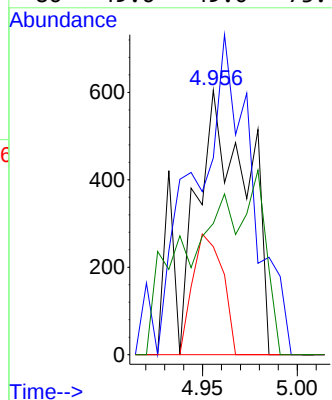
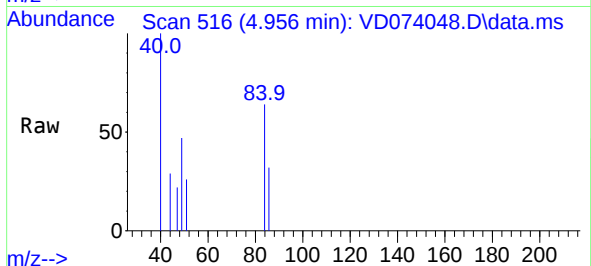
Ion Ratio Lower Upper

84 100

49 44.8 85.8 128.6#

51 40.8 28.0 42.0

86 49.6 49.0 73.4



#25

2-Butanone

Concen: 60.186 ug/l

RT: 7.208 min Scan# 899

Delta R.T. 0.005 min

Lab File: VD074048.D

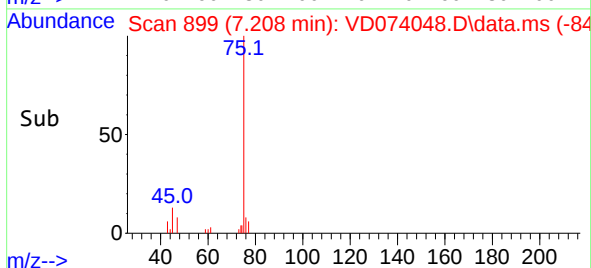
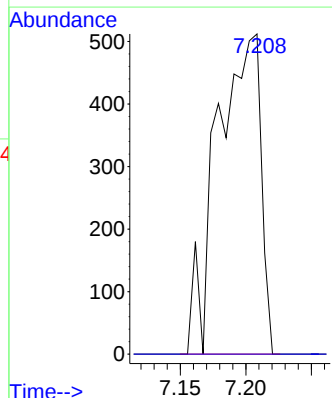
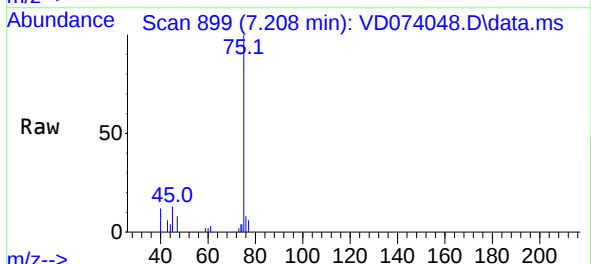
Acq: 11 Aug 2022 18:19

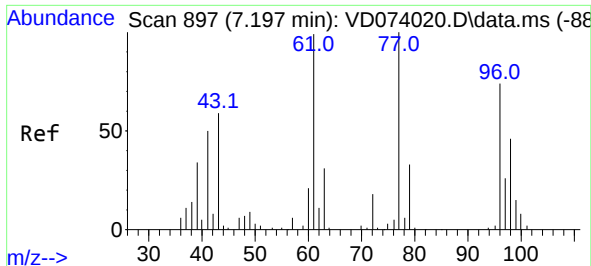
Tgt Ion: 43 Resp: 1181

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#

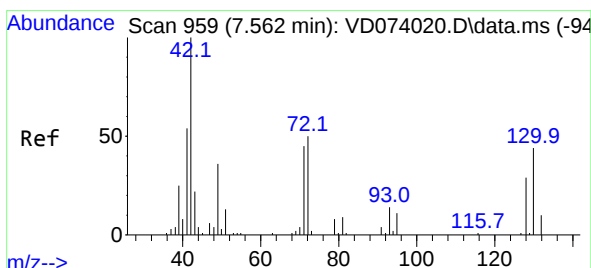
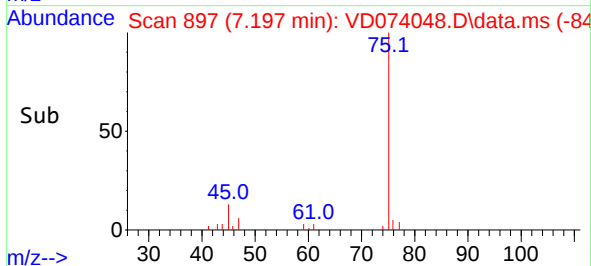
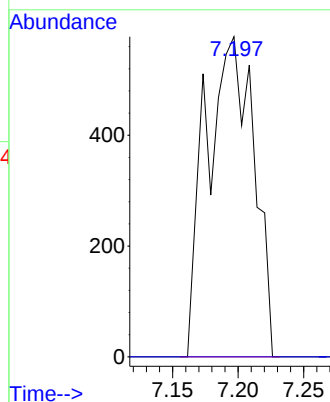
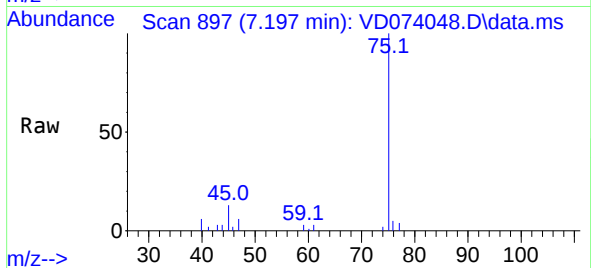




#26
2,2-Dichloropropane
Concen: 9.814 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.000 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

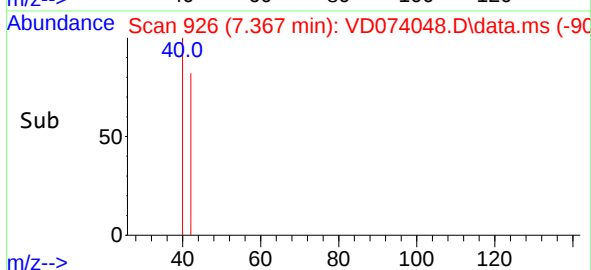
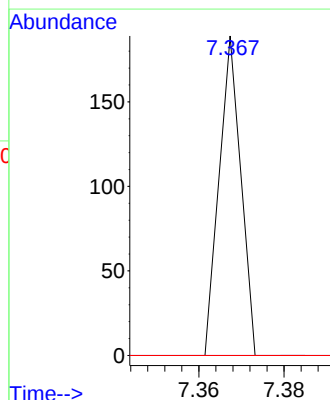
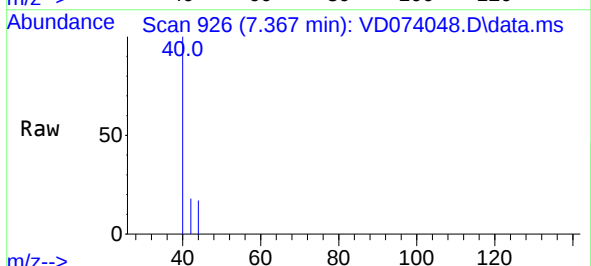
Instrument :
MSVOA_D
ClientSampleId :
SB06RE

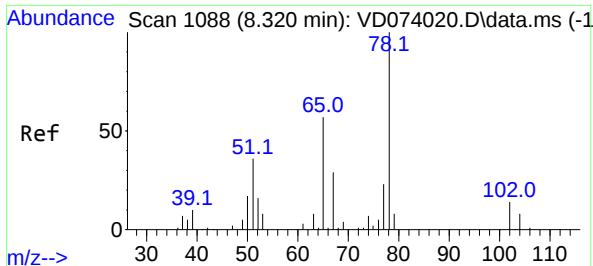
Tgt Ion: 77 Resp: 1457
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.5#



#29
Tetrahydrofuran
Concen: 5.546 ug/l
RT: 7.367 min Scan# 926
Delta R.T. -0.195 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

Tgt Ion: 42 Resp: 67
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.2#
71 0.0 35.5 53.3#

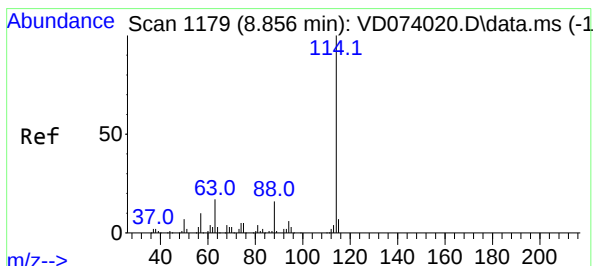
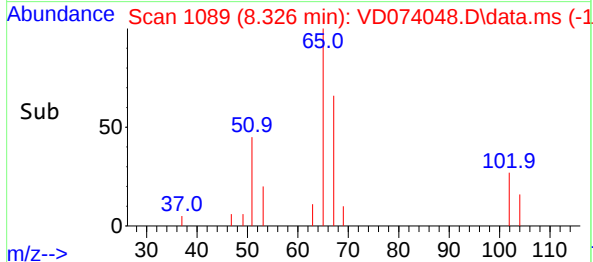
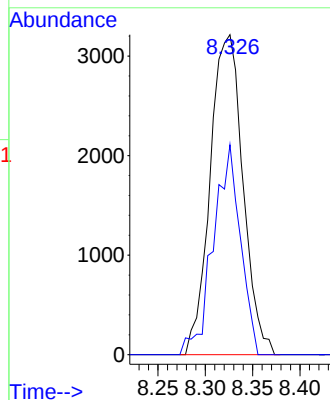
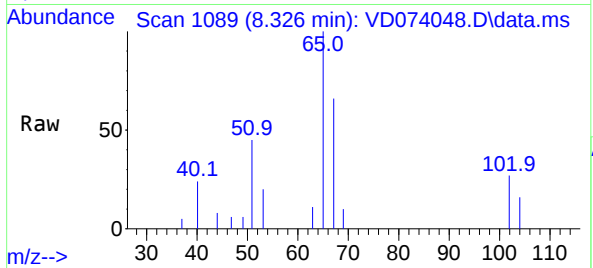




#33
1,2-Dichloroethane-d4
Concen: 138.565 ug/l
RT: 8.326 min Scan# 1088
Delta R.T. 0.006 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

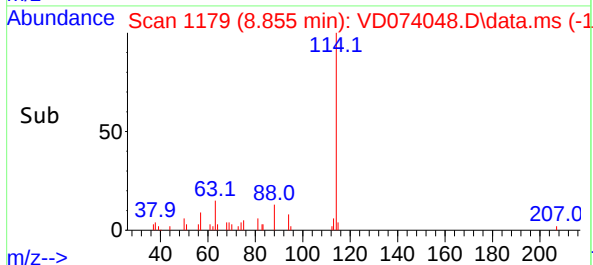
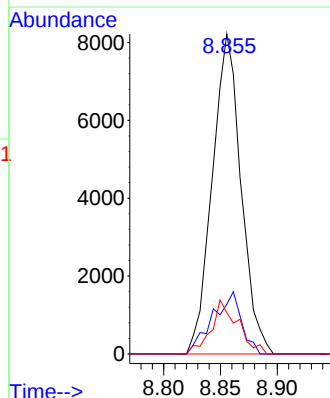
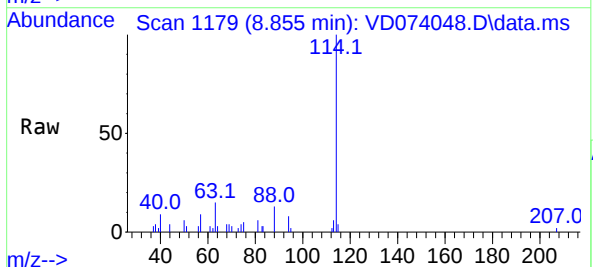
Instrument :
MSVOA_D
ClientSampleId :
SB06RE

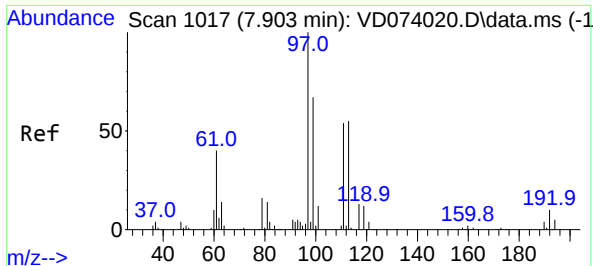
Tgt Ion: 65 Resp: 7759
Ion Ratio Lower Upper
65 100
67 54.2 0.0 113.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

Tgt Ion:114 Resp: 14465
Ion Ratio Lower Upper
114 100
63 15.5 0.0 41.0
88 12.9 0.0 31.6



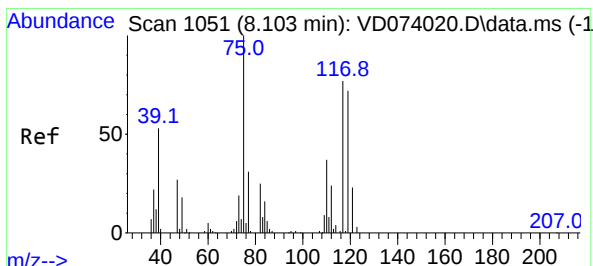
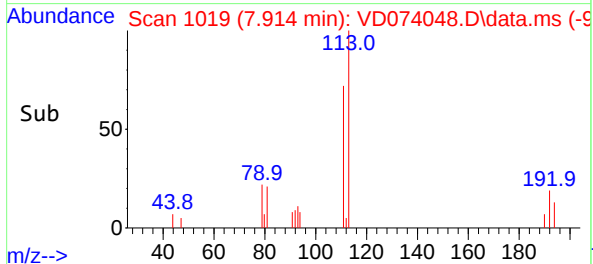
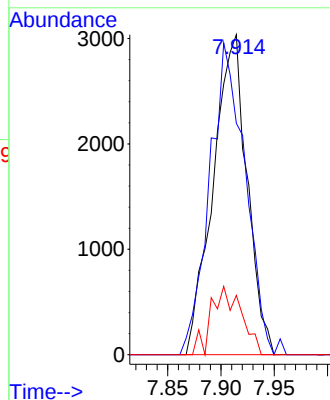
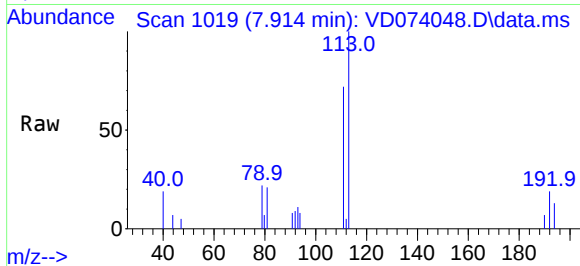


#35
Dibromofluoromethane
Concen: 70.070 ug/l
RT: 7.914 min Scan# 1017
Delta R.T. 0.011 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

Instrument :
MSVOA_D
ClientSampleId :
SB06RE

Tgt Ion: 113 Resp: 6732

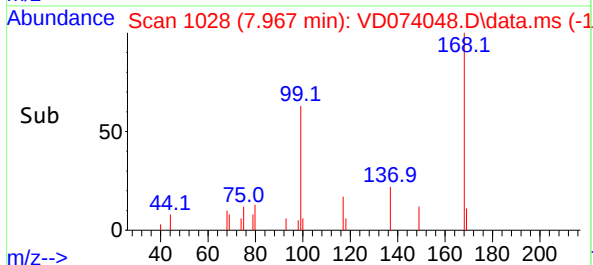
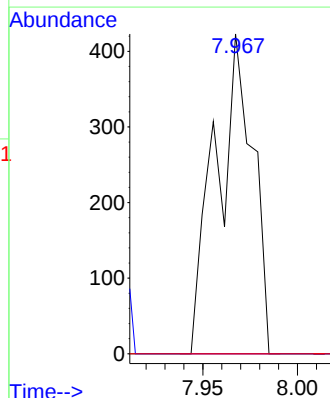
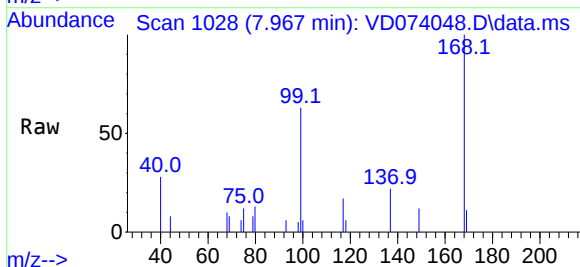
Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.0	120.0
192	18.9	14.2	21.4

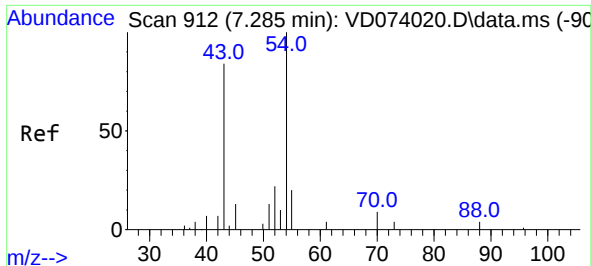


#36
1,1-Dichloropropene
Concen: 3.926 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.136 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

Tgt Ion: 75 Resp: 574

Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.4	55.4#
77	0.0	24.6	36.8#

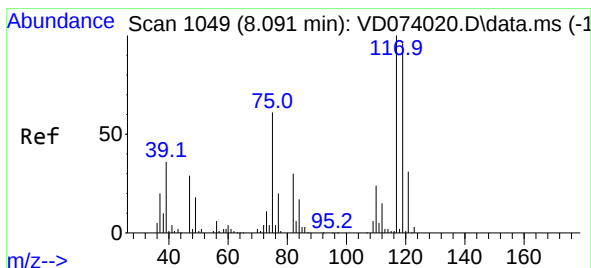
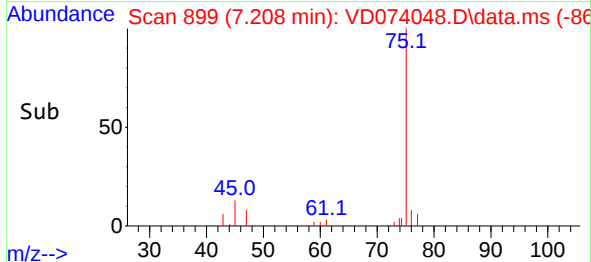
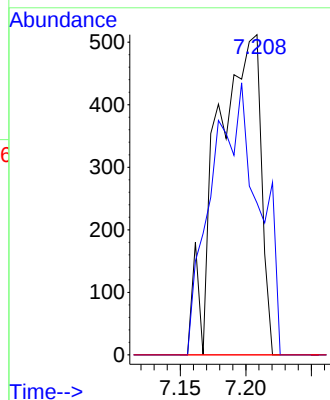
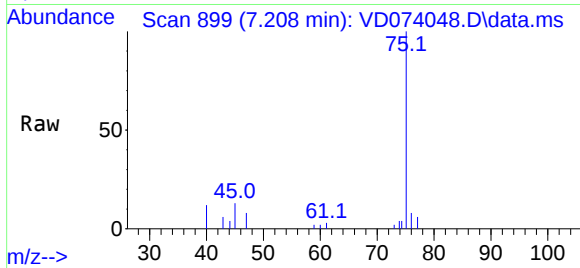




#37
Ethyl Acetate
Concen: 22.697 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.077 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

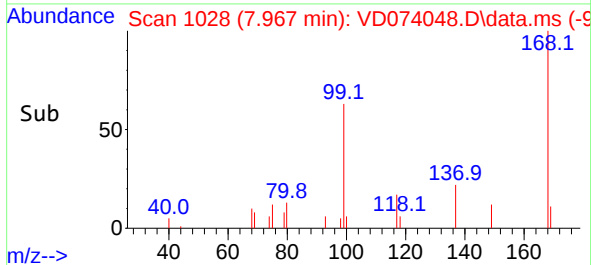
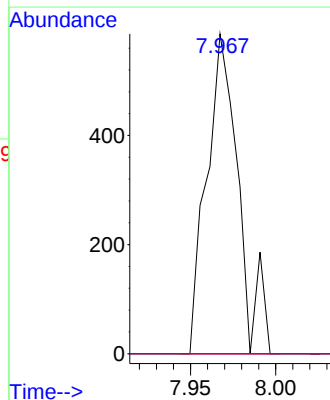
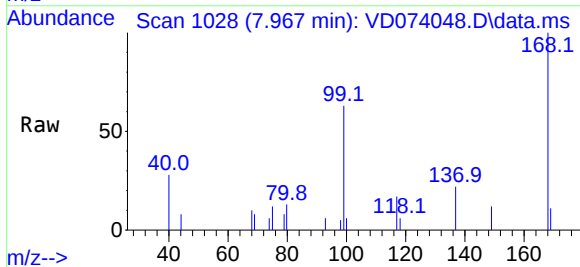
Instrument :
MSVOA_D
ClientSampleId :
SB06RE

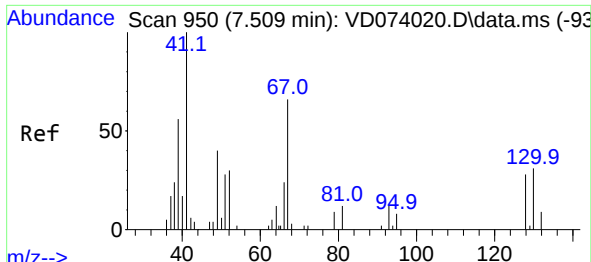
Tgt Ion: 43 Resp: 1181
Ion Ratio Lower Upper
43 100
61 92.0 11.0 16.6#
70 0.0 10.2 15.2#



#38
Carbon Tetrachloride
Concen: 4.617 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

Tgt Ion: 117 Resp: 761
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.2#
121 0.0 25.2 37.8#

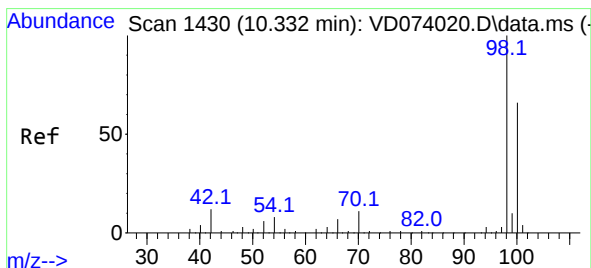
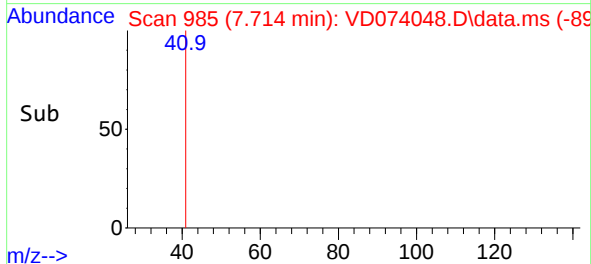
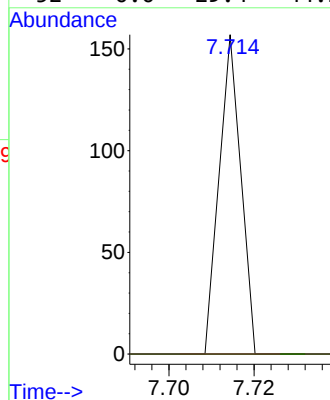
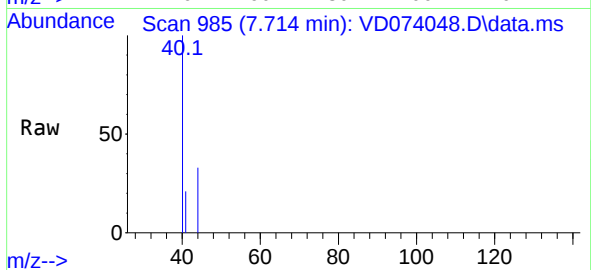




#41
Methacrylonitrile
Concen: 1.934 ug/l
RT: 7.714 min Scan# 91
Delta R.T. 0.205 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

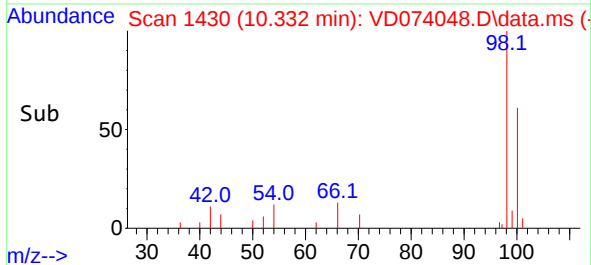
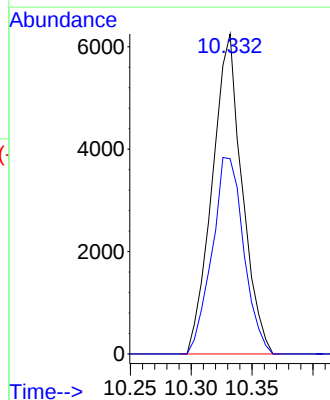
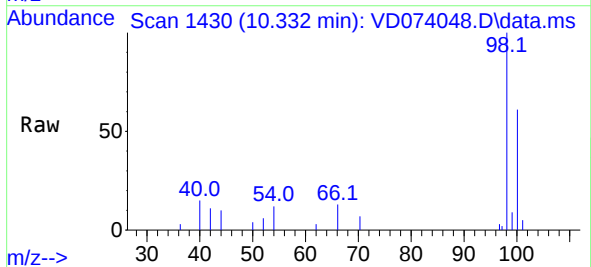
Instrument :
MSVOA_D
ClientSampleId :
SB06RE

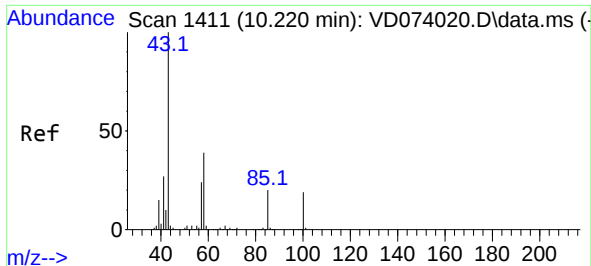
Tgt Ion: 41	Resp: 55
Ion Ratio	Lower Upper
41 100	
39 0.0	48.2 72.4#
67 0.0	66.3 99.5#
52 0.0	29.4 44.2#



#50
Toluene-d8
Concen: 41.417 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

Tgt Ion: 98	Resp: 10654
Ion Ratio	Lower Upper
98 100	
100 65.0	51.3 76.9

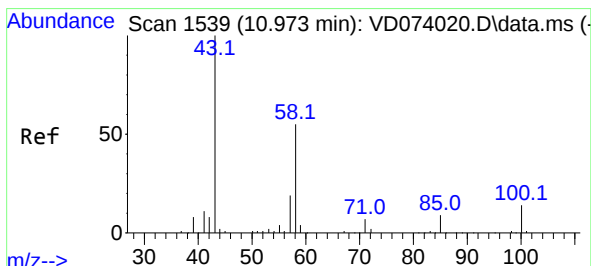
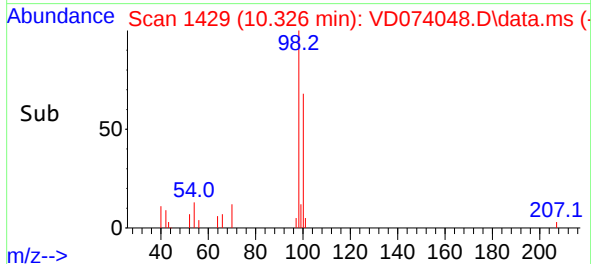
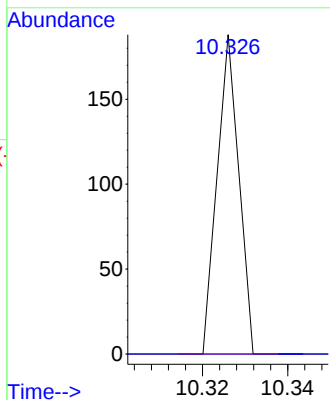
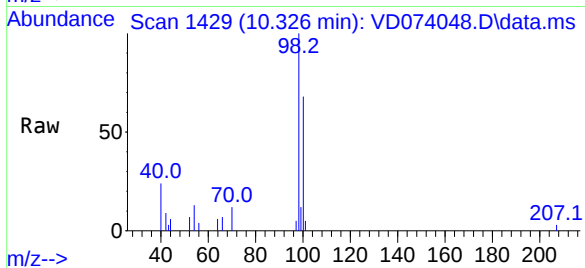




#51
4-Methyl-2-Pentanone
Concen: 1.293 ug/l
RT: 10.326 min Scan# 1411
Delta R.T. 0.106 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

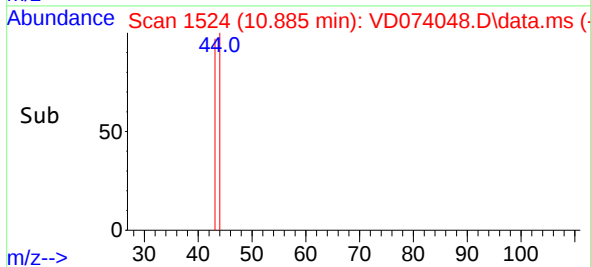
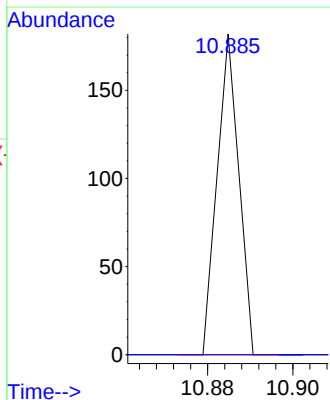
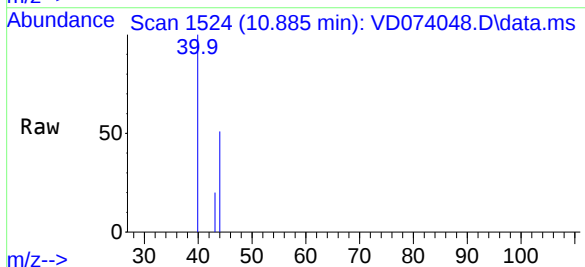
Instrument :
MSVOA_D
ClientSampleId :
SB06RE

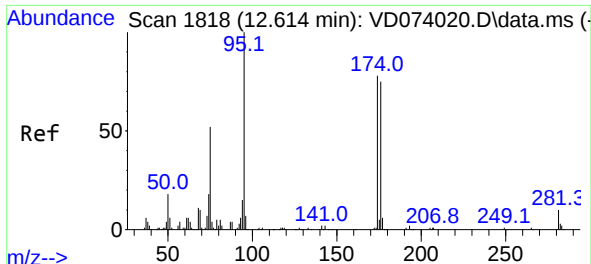
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#59
2-Hexanone
Concen: 1.870 ug/l
RT: 10.885 min Scan# 1524
Delta R.T. -0.088 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
58 0.0 28.2 84.6#

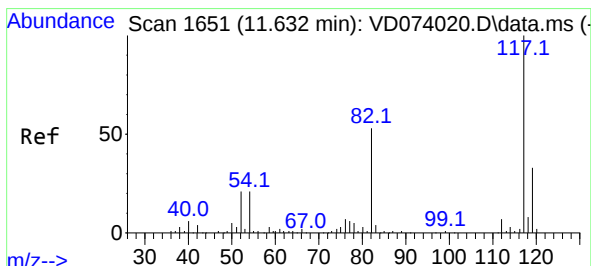
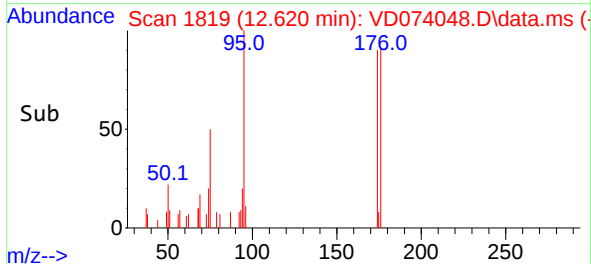
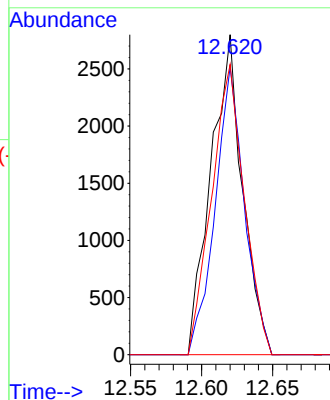
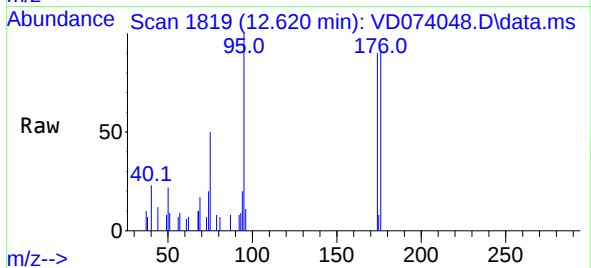




#62
4-Bromofluorobenzene
Concen: 36.835 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

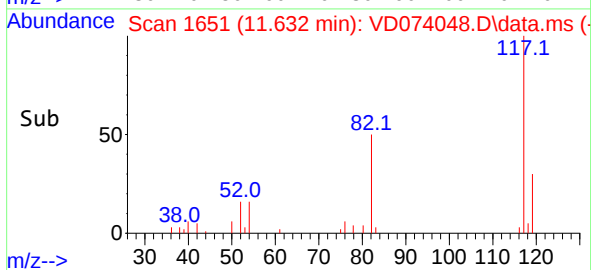
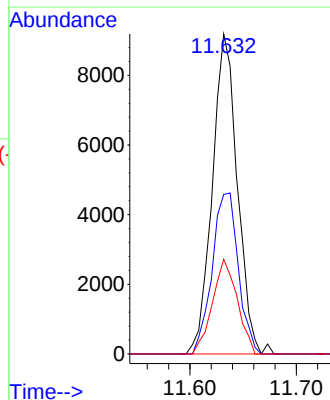
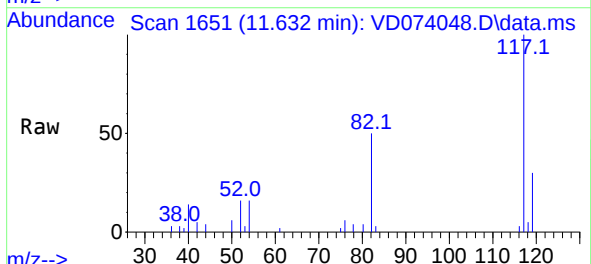
Instrument :
MSVOA_D
ClientSampleId :
SB06RE

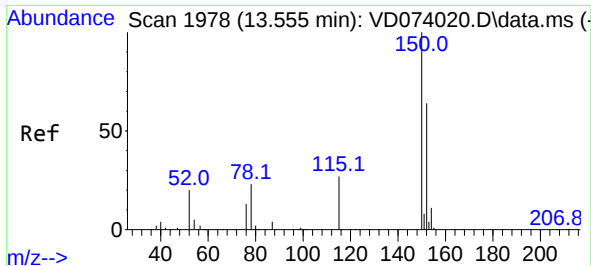
Tgt Ion:	95	Resp:	4352
Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	162.6
176	93.2	0.0	160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

Tgt Ion:	117	Resp:	14994
Ion	Ratio	Lower	Upper
117	100		
82	49.8	42.7	64.1
119	29.6	25.8	38.8

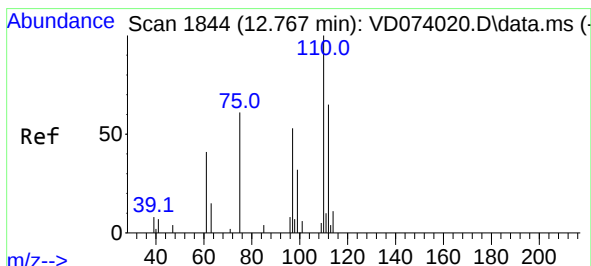
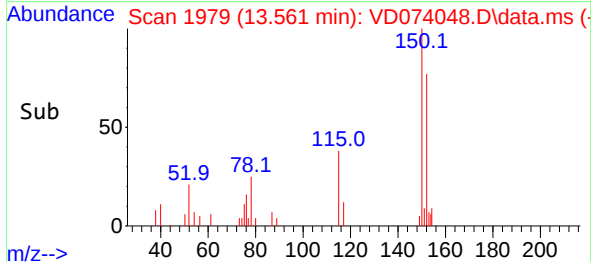
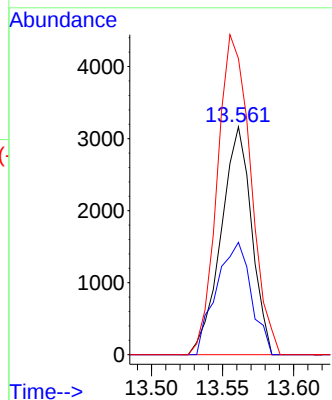
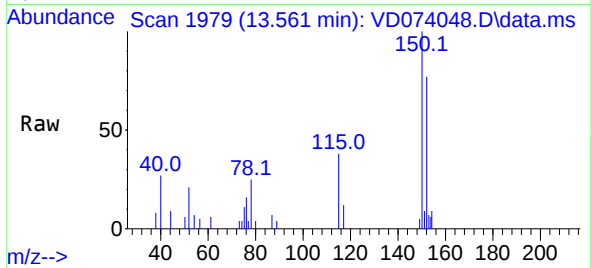




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1978
 Delta R.T. 0.006 min
 Lab File: VD074048.D
 Acq: 11 Aug 2022 18:19

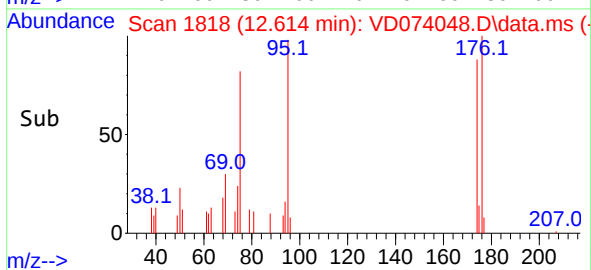
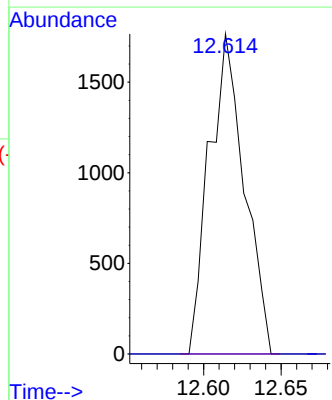
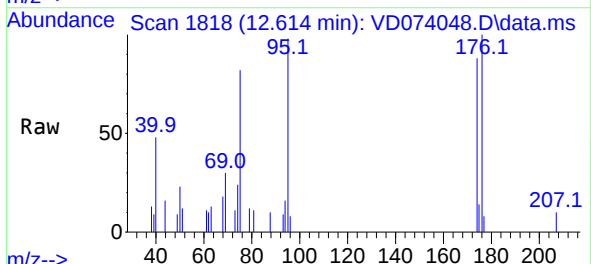
Instrument :
 MSVOA_D
 ClientSampleId :
 SB06RE

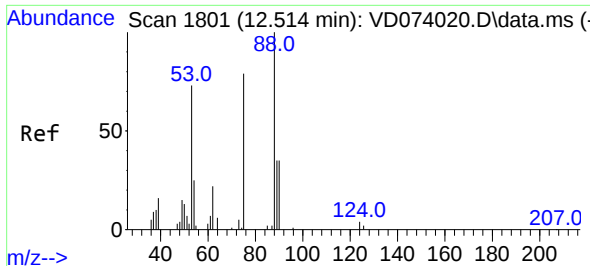
Tgt Ion:152 Resp: 4734
 Ion Ratio Lower Upper
 152 100
 115 56.2 29.9 89.8
 150 152.8 0.0 342.8



#76
 1,2,3-Trichloropropane
 Concen: 64.458 ug/l
 RT: 12.614 min Scan# 1818
 Delta R.T. -0.153 min
 Lab File: VD074048.D
 Acq: 11 Aug 2022 18:19

Tgt Ion: 75 Resp: 2786
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

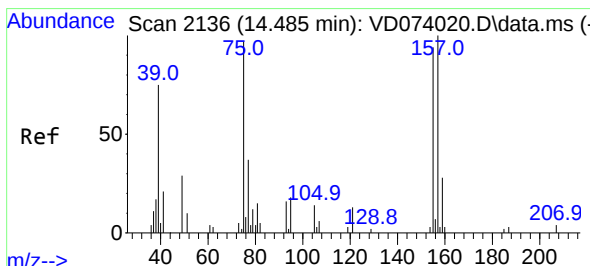
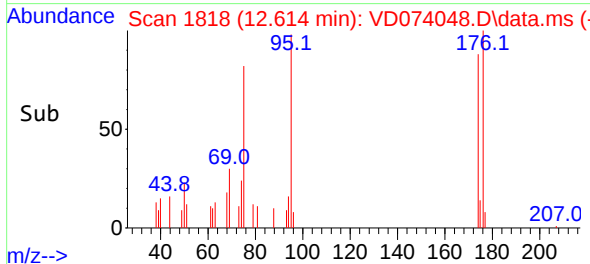
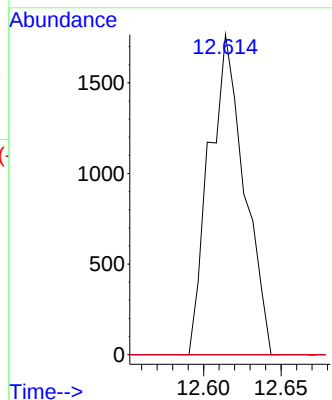
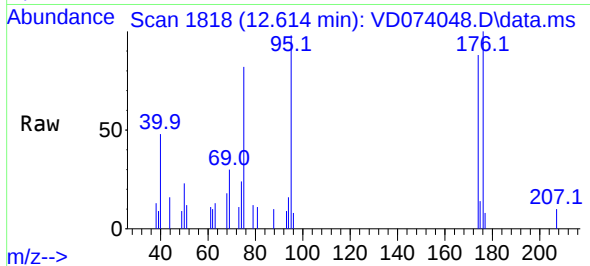




#81
 trans-1,4-Dichloro-2-butene
 Concen: 172.037 ug/l
 RT: 12.614 min Scan# 1110
 Delta R.T. 0.100 min
 Lab File: VD074048.D
 Acq: 11 Aug 2022 18:19

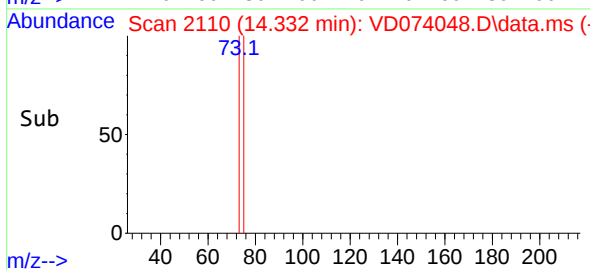
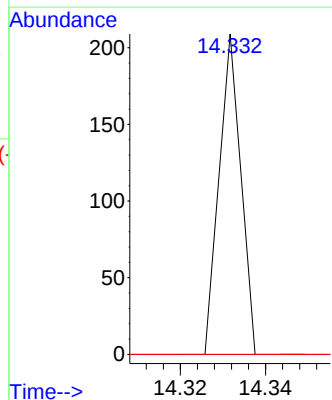
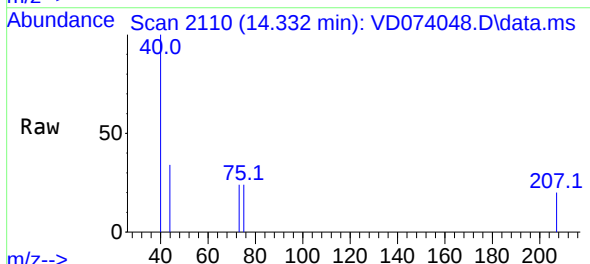
Instrument :
 MSVOA_D
 ClientSampleId :
 SB06RE

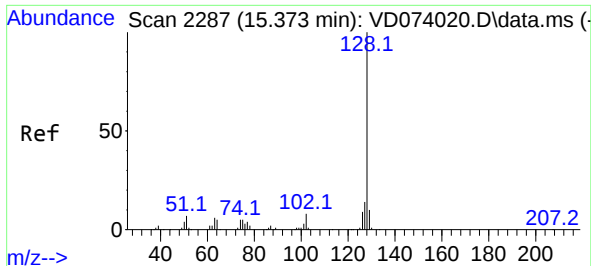
Tgt Ion: 75 Resp: 2786
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 38.3 57.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.333 ug/l
 RT: 14.332 min Scan# 2110
 Delta R.T. -0.153 min
 Lab File: VD074048.D
 Acq: 11 Aug 2022 18:19

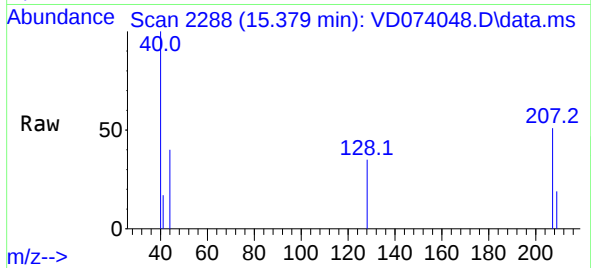
Tgt Ion: 75 Resp: 74
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.5 124.6#
 157 0.0 55.2 165.6#





#95
Naphthalene
Concen: 1.248 ug/l
RT: 15.379 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD074048.D
Acq: 11 Aug 2022 18:19

Instrument :
MSVOA_D
ClientSampleId :
SB06RE



Tgt Ion:128 Resp: 182
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.5 12.7#

