

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081522\
 Data File : VD074099.D
 Acq On : 15 Aug 2022 19:35
 Operator : VA/SY
 Sample : N4189-05RE
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB20RE

Quant Time: Aug 15 22:49:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 15 22:46:28 2022
 Response via : Initial Calibration

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

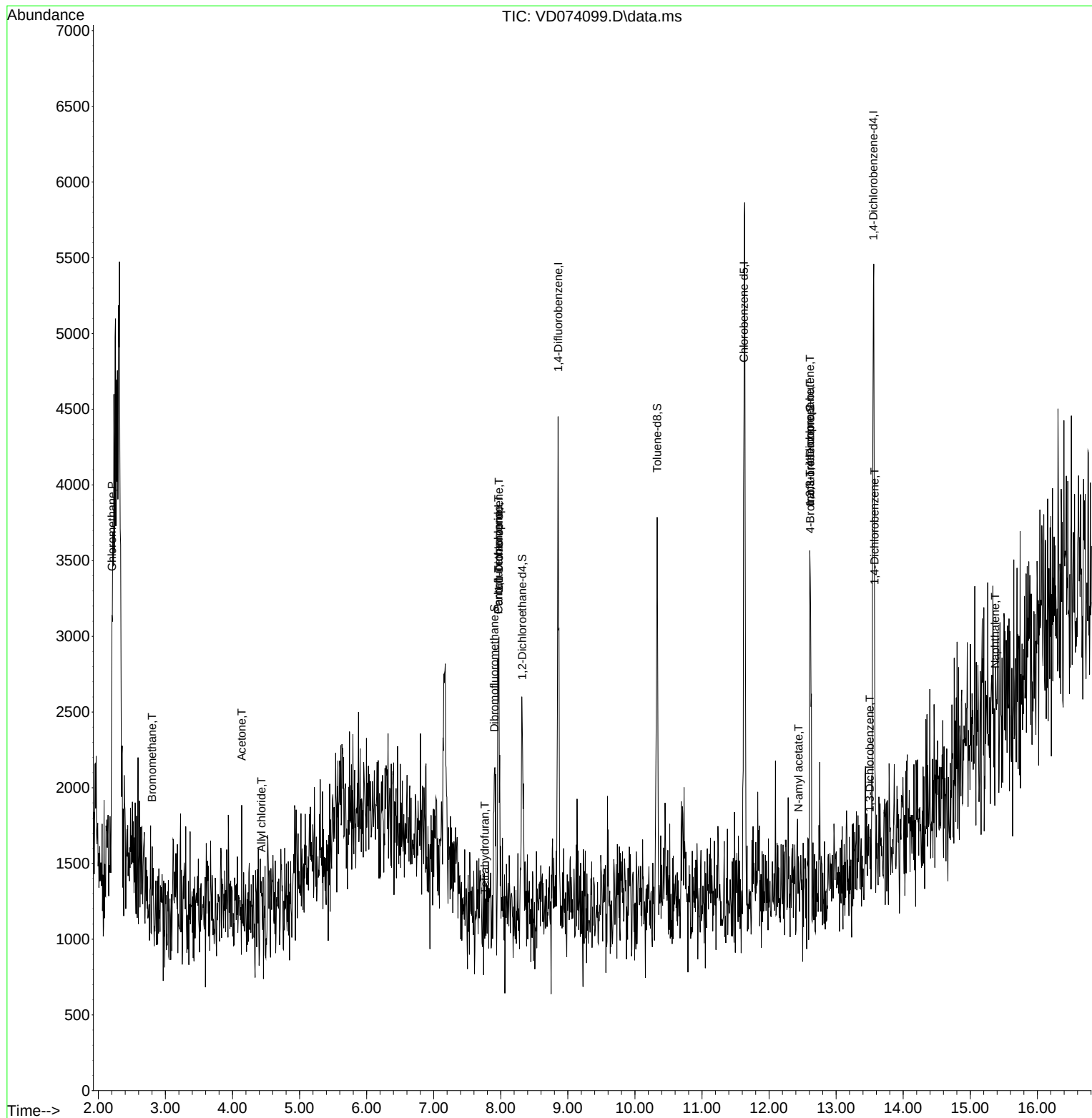
Internal Standards						
1) Pentafluorobenzene	7.967	168	1760	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	2785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.626	117	3144	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	1366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	1098	89.823	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 179.640%#			
35) Dibromofluoromethane	7.902	113	1006	56.527	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.060%			
50) Toluene-d8	10.332	98	1959	36.255	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 72.520%			
62) 4-Bromofluorobenzene	12.614	95	989	44.324	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.640%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	369	17.856	ug/l #	40
5) Bromomethane	2.803	94	158	7.611	ug/l #	1
14) Allyl chloride	4.432	41	57	2.786	ug/l #	58
16) Acetone	4.138	43	75	12.524	ug/l #	47
20) Methylene Chloride	4.956	84	135	Below Cal	#	2
29) Tetrahydrofuran	7.761	42	61	24.813	ug/l #	38
36) 1,1-Dichloropropene	7.973	75	82	3.379	ug/l #	43
38) Carbon Tetrachloride	7.967	117	135	4.820	ug/l #	13
74) N-amyl acetate	12.438	43	126	7.643	ug/l #	45
76) 1,2,3-Trichloropropane	12.608	75	514	42.979	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.608	75	514	117.768	ug/l #	7
87) 1,3-Dichlorobenzene	13.502	146	73	1.612	ug/l #	59
88) 1,4-Dichlorobenzene	13.573	146	199	4.386	ug/l #	25
95) Naphthalene	15.373	128	97	2.219	ug/l #	70

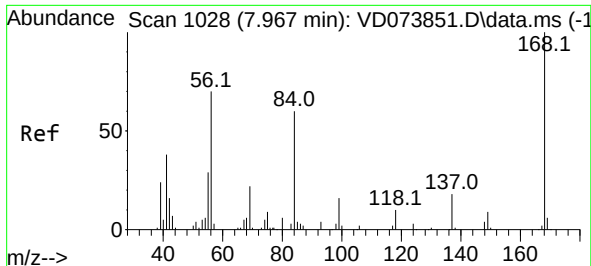
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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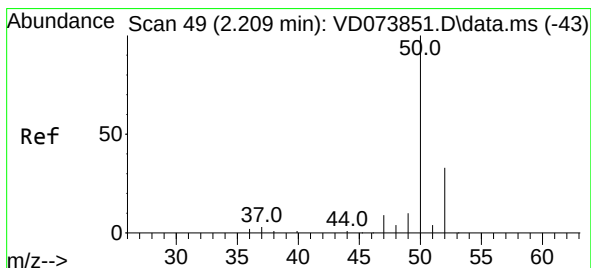
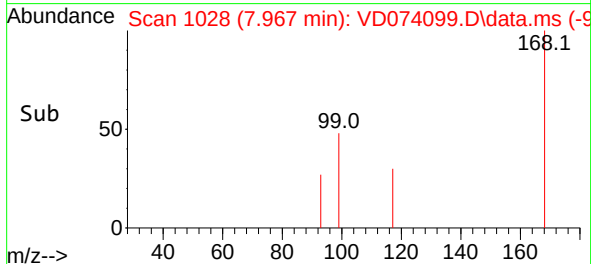
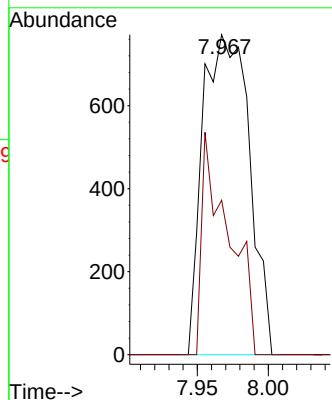
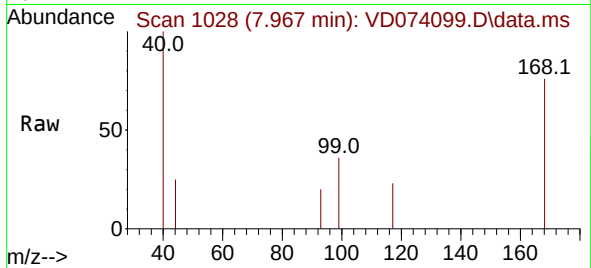




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

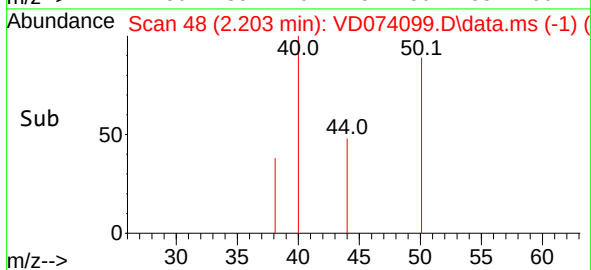
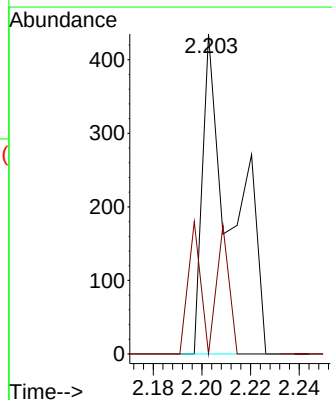
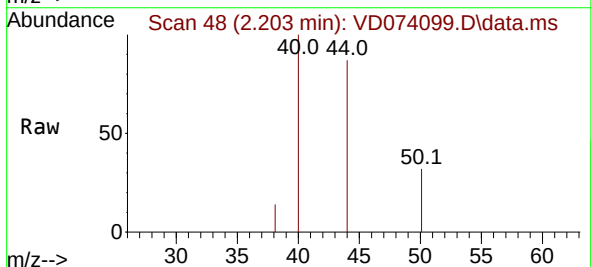
Instrument :
MSVOA_D
ClientSampleId :
SB20RE

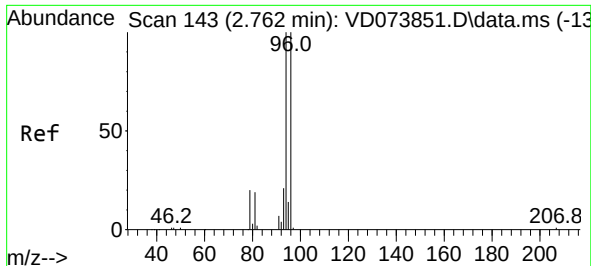
Tgt Ion:168 Resp: 1760
Ion Ratio Lower Upper
168 100
99 48.2 49.8 74.6#



#3
Chloromethane
Concen: 17.856 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

Tgt Ion: 50 Resp: 369
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

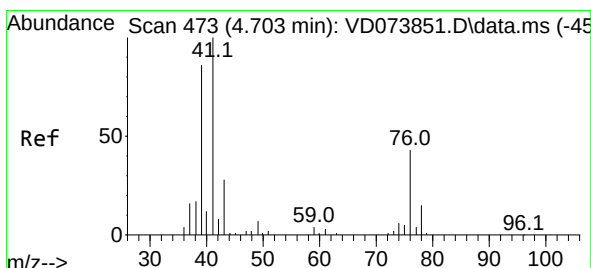
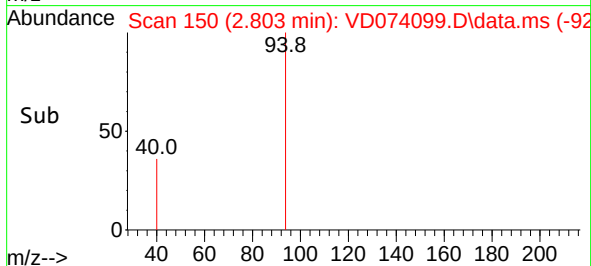
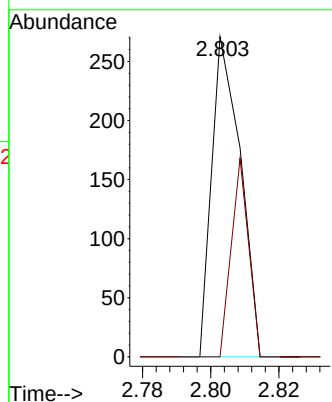
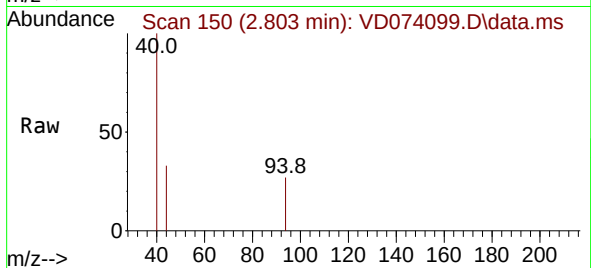




#5
Bromomethane
Concen: 7.611 ug/l
RT: 2.803 min Scan# 11
Delta R.T. 0.041 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

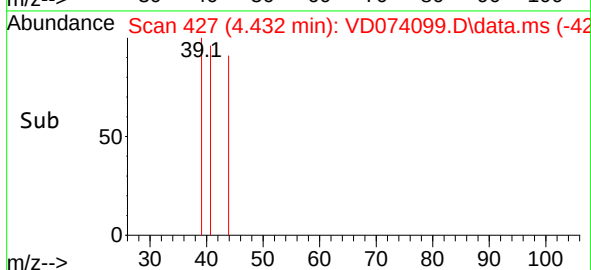
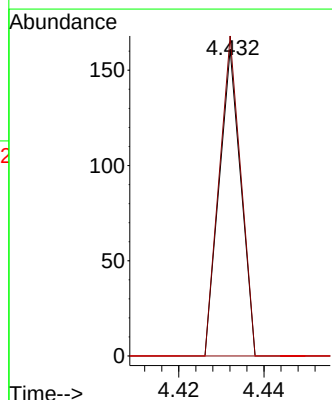
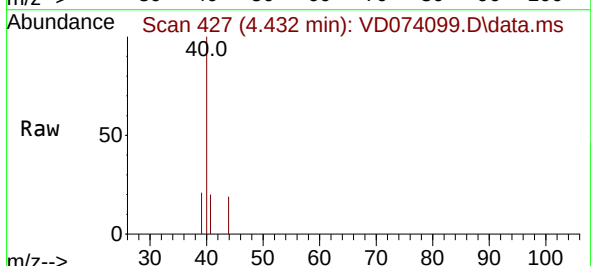
Instrument :
MSVOA_D
ClientSampleId :
SB20RE

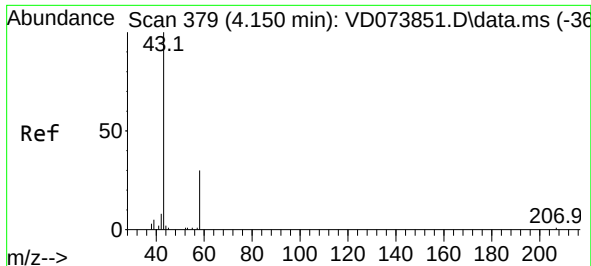
Tgt Ion: 94 Resp: 158
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#



#14
Allyl chloride
Concen: 2.786 ug/l
RT: 4.432 min Scan# 427
Delta R.T. -0.271 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
39 103.5 59.3 88.9#
76 0.0 25.7 38.5#

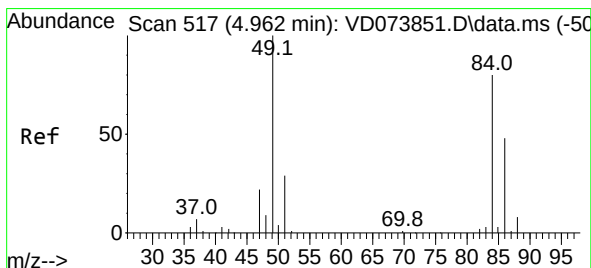
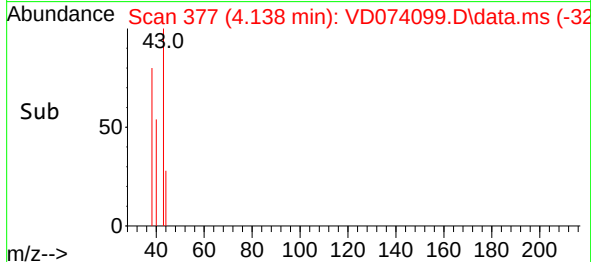
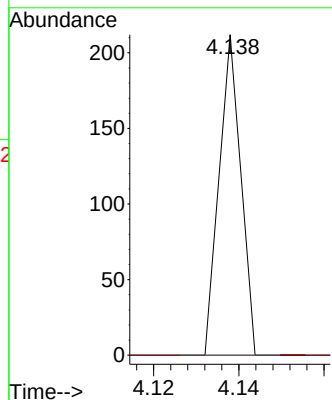
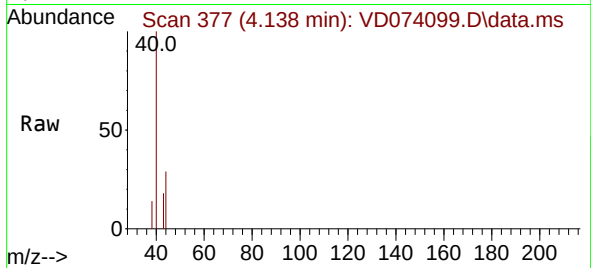




#16
Acetone
Concen: 12.524 ug/l
RT: 4.138 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

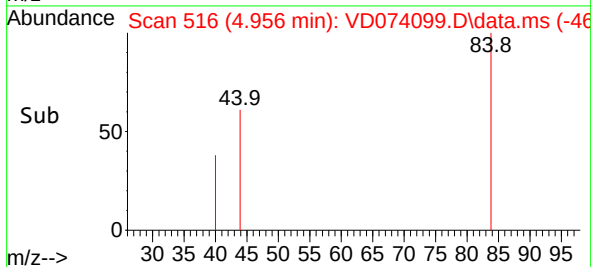
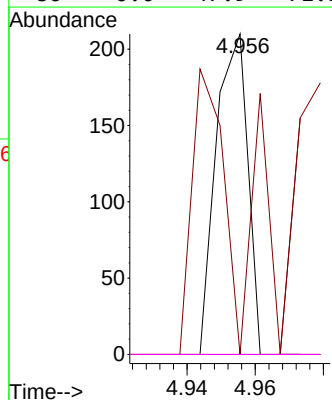
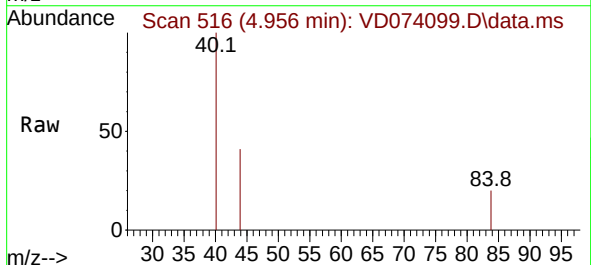
Instrument :
MSVOA_D
ClientSampleId :
SB20RE

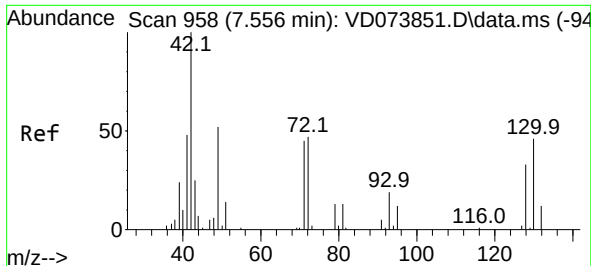
Tgt Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

Tgt Ion: 84 Resp: 135
Ion Ratio Lower Upper
84 100
49 0.0 112.8 169.2#
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#





#29

Tetrahydrofuran

Concen: 24.813 ug/l

RT: 7.761 min Scan# 91

Delta R.T. 0.205 min

Lab File: VD074099.D

Acq: 15 Aug 2022 19:35

Instrument :

MSVOA_D

ClientSampleId :

SB20RE

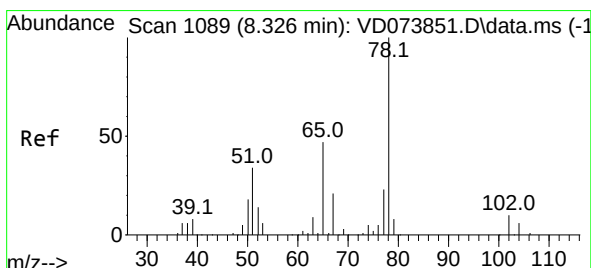
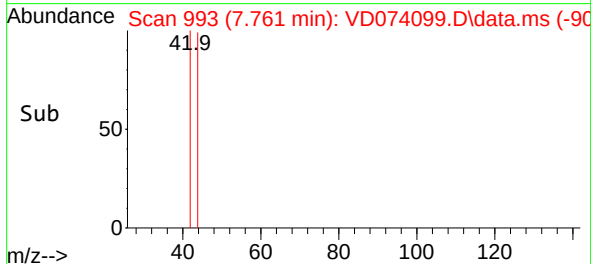
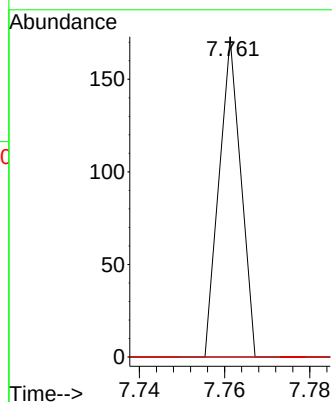
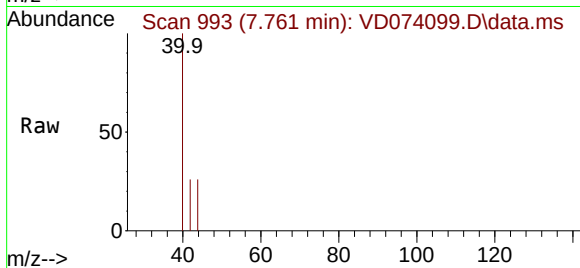
Tgt Ion: 42 Resp: 61

Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#



#33

1,2-Dichloroethane-d4

Concen: 89.823 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD074099.D

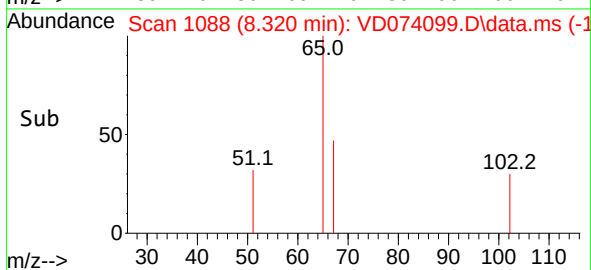
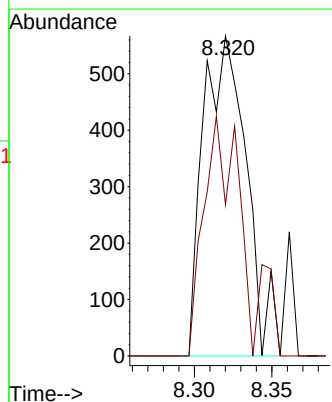
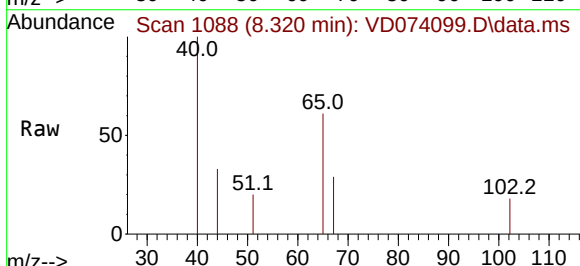
Acq: 15 Aug 2022 19:35

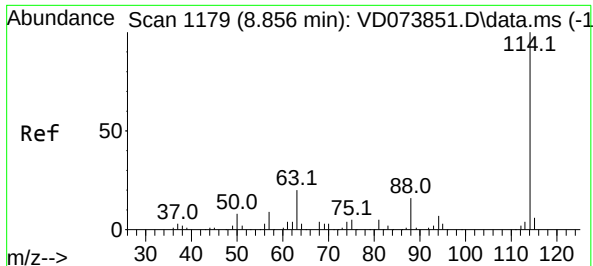
Tgt Ion: 65 Resp: 1098

Ion Ratio Lower Upper

65 100

67 58.4 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: VD074099.D

Acq: 15 Aug 2022 19:35

Instrument :

MSVOA_D

ClientSampleId :

SB20RE

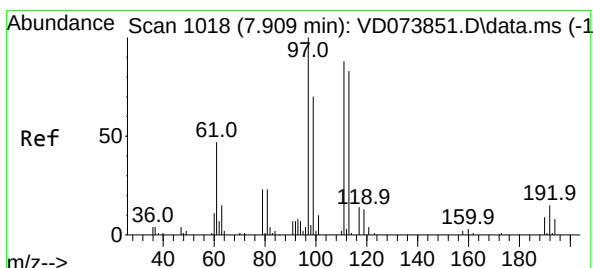
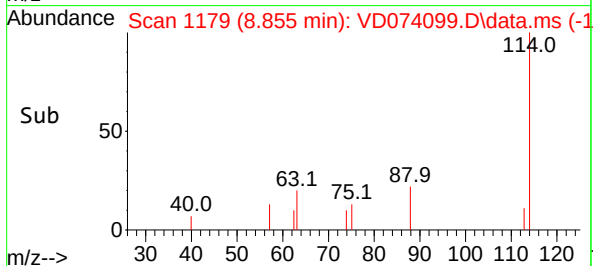
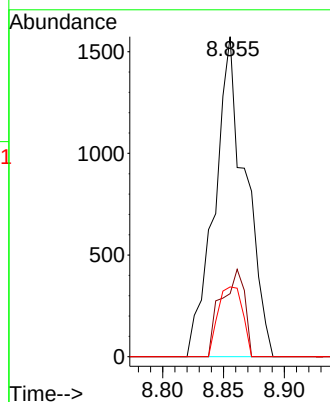
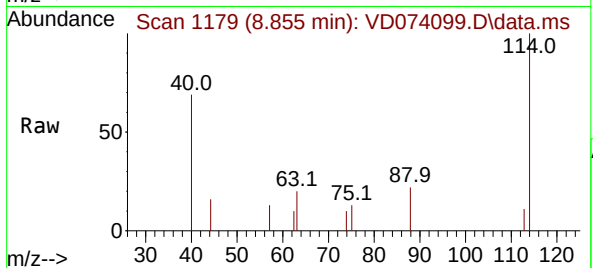
Tgt Ion:114 Resp: 2785

Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 21.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 56.527 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.007 min

Lab File: VD074099.D

Acq: 15 Aug 2022 19:35

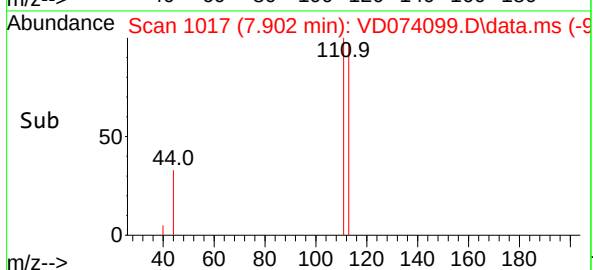
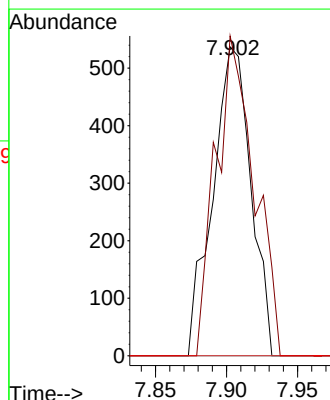
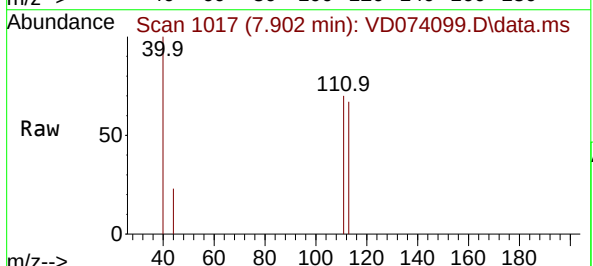
Tgt Ion:113 Resp: 1006

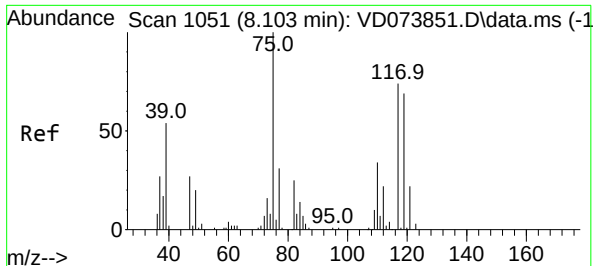
Ion Ratio Lower Upper

113 100

111 104.6 83.8 125.6

192 0.0 14.6 21.8#

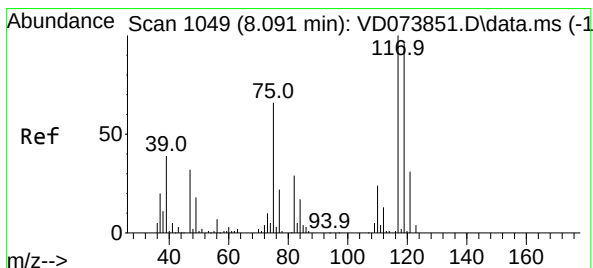
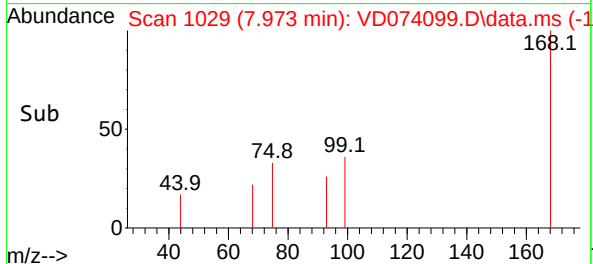
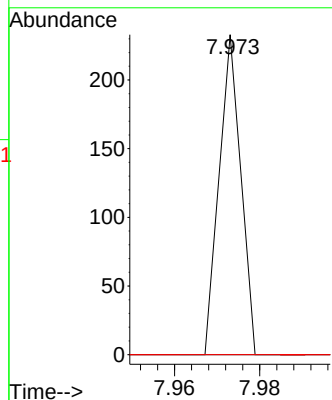
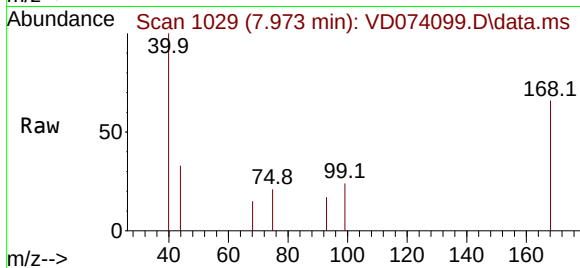




#36
1,1-Dichloropropene
Concen: 3.379 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.130 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

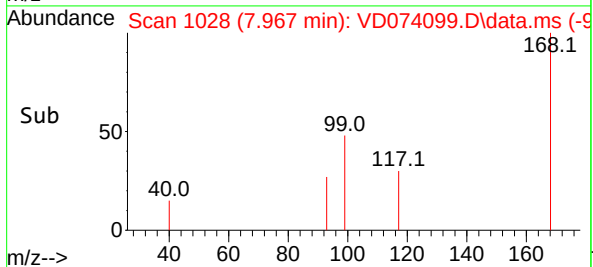
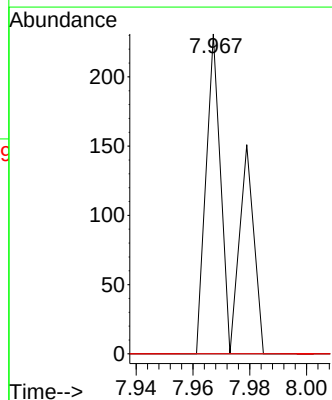
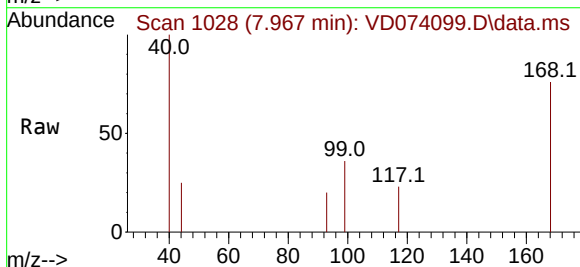
Instrument :
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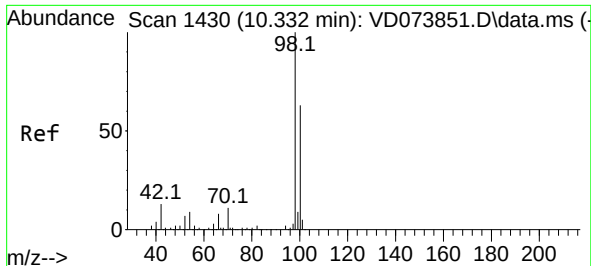
Tgt Ion: 75 Resp: 82
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 4.820 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

Tgt Ion: 117 Resp: 135
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#

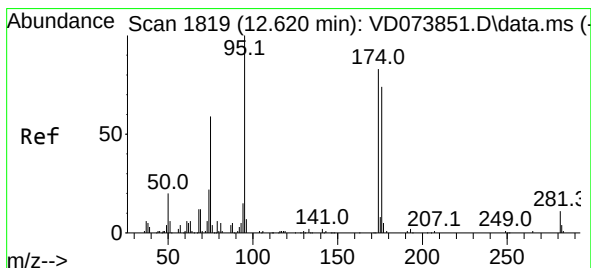
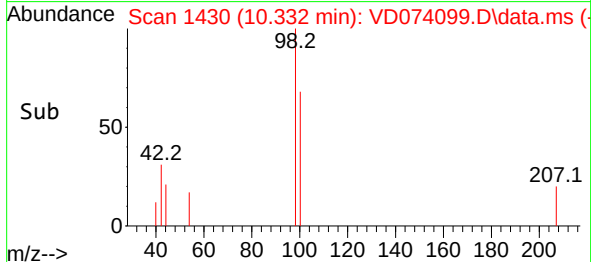
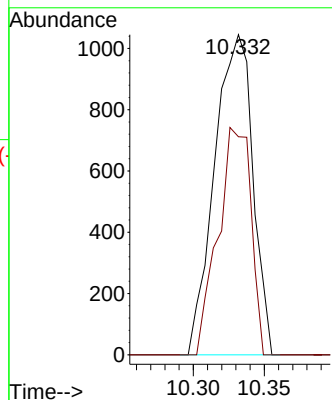
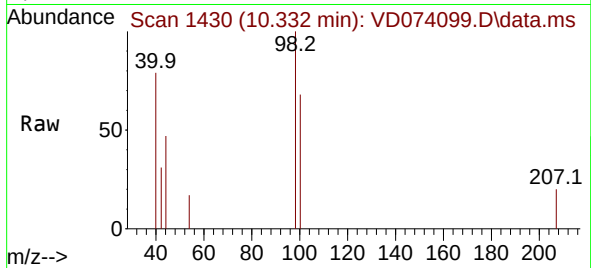




#50
Toluene-d8
Concen: 36.255 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

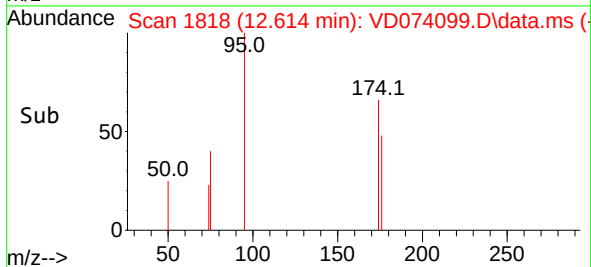
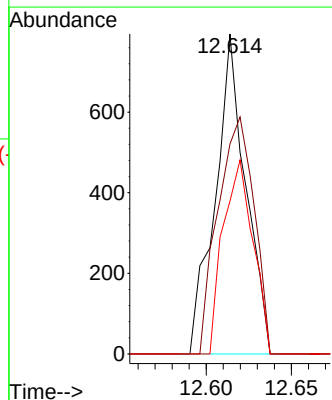
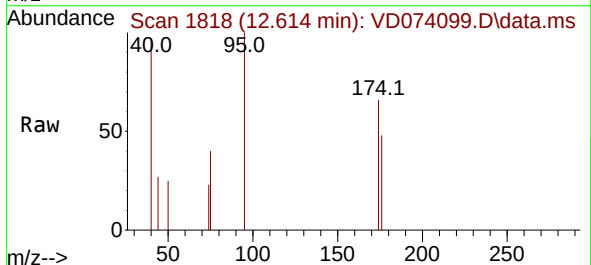
Instrument :
MSVOA_D
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SB20RE

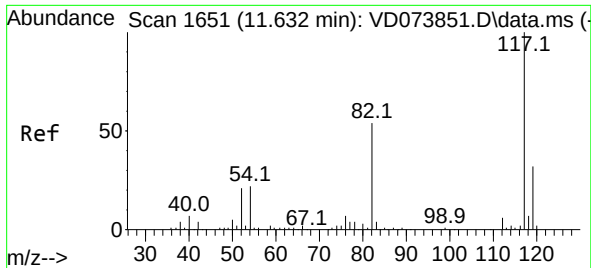
Tgt Ion: 98 Resp: 1959
Ion Ratio Lower Upper
98 100
100 60.9 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 44.324 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.006 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

Tgt Ion: 95 Resp: 989
Ion Ratio Lower Upper
95 100
174 87.4 0.0 152.8
176 59.3 0.0 145.4

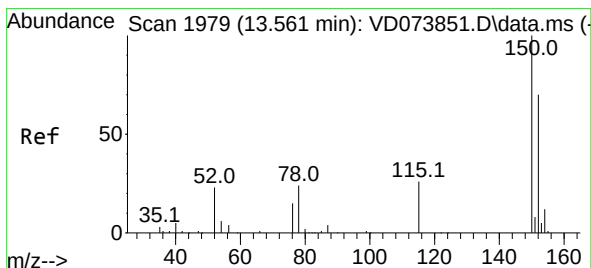
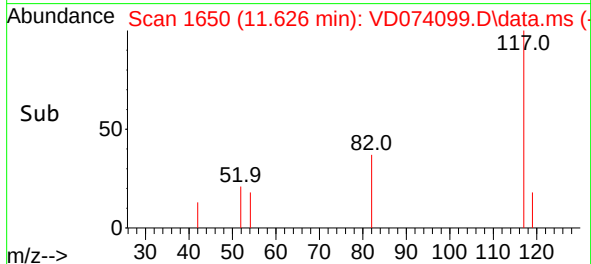
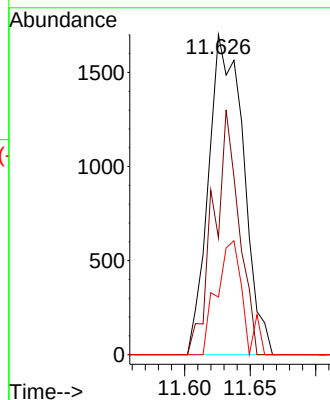
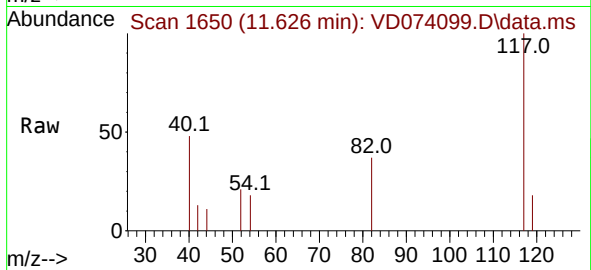




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.626 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

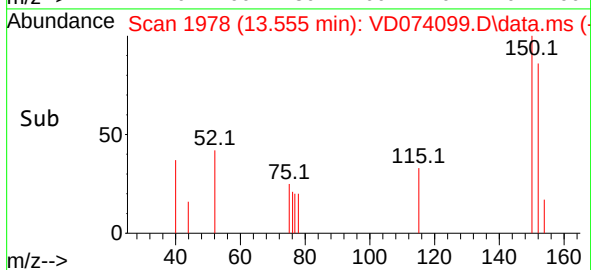
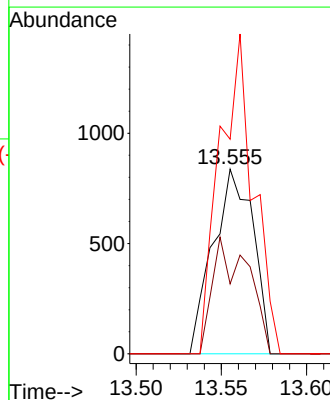
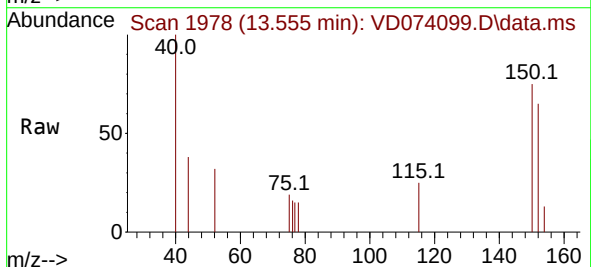
Instrument :
MSVOA_D
ClientSampleId :
SB20RE

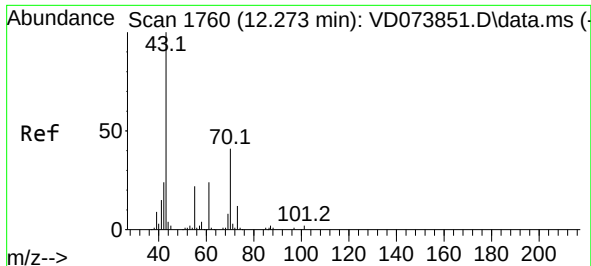
Tgt Ion:117 Resp: 3144
Ion Ratio Lower Upper
117 100
82 36.5 45.3 67.9#
119 18.0 26.6 40.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

Tgt Ion:152 Resp: 1366
Ion Ratio Lower Upper
152 100
115 55.9 31.3 93.8
150 146.2 0.0 348.6

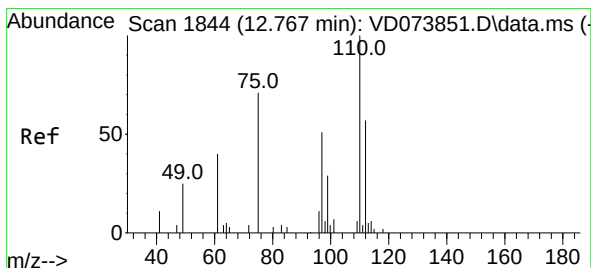
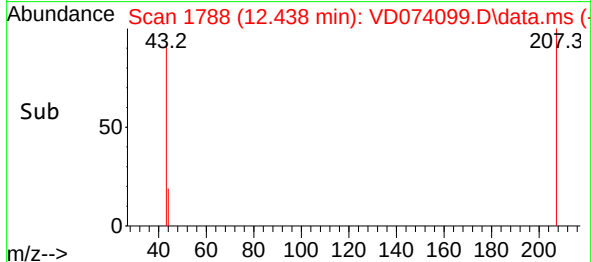
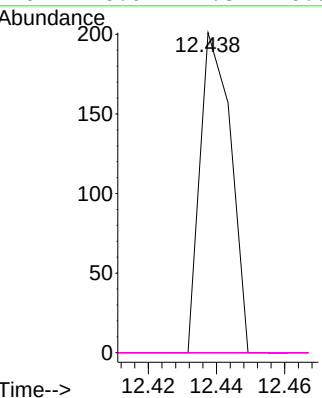
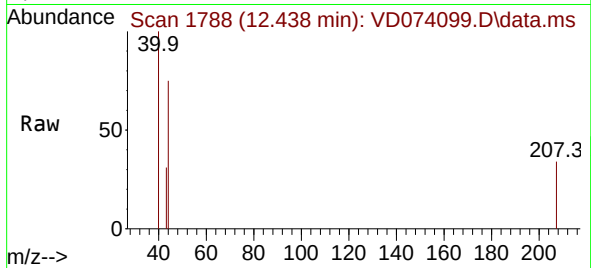




#74
N-amy1 acetate
Concen: 7.643 ug/l
RT: 12.438 min Scan# 11
Delta R.T. 0.165 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

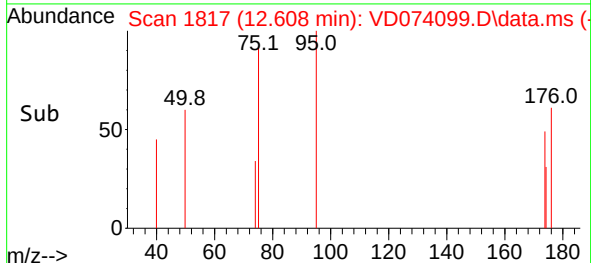
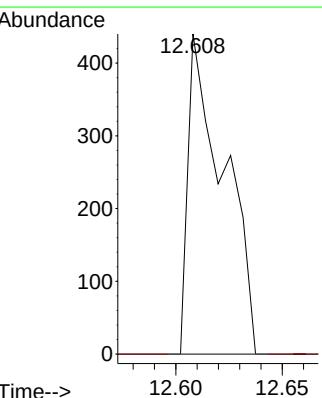
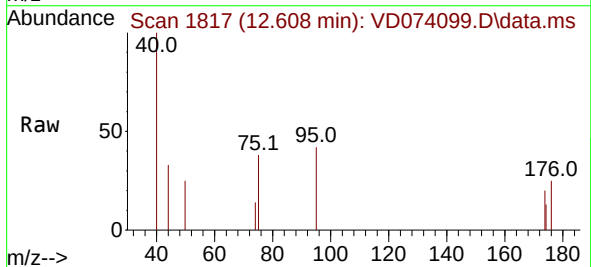
Instrument :
MSVOA_D
ClientSampleId :
SB20RE

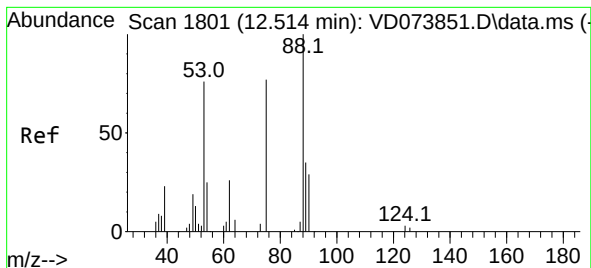
Tgt Ion: 43	Resp:	126
Ion	Ratio	Lower Upper
43	100	
70	0.0	31.3 46.9#
55	0.0	20.0 30.0#
61	0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 42.979 ug/l
RT: 12.608 min Scan# 1817
Delta R.T. -0.159 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

Tgt Ion: 75	Resp:	514
Ion	Ratio	Lower Upper
75	100	
77	0.0	0.0 0.0

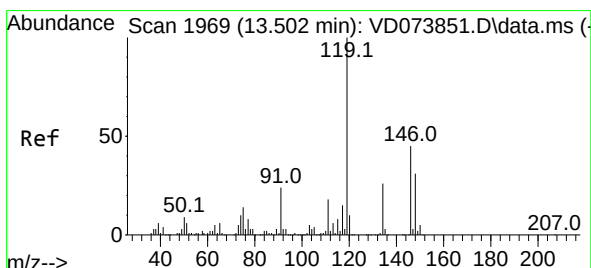
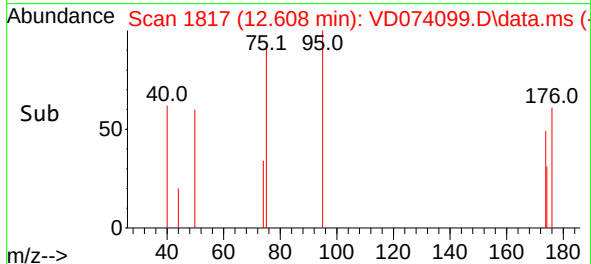
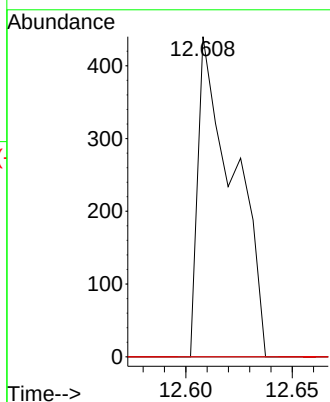
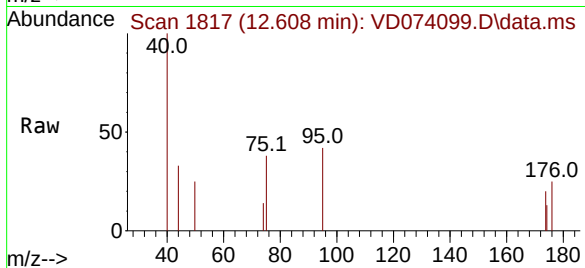




#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.768 ug/l
 RT: 12.608 min Scan# 1801
 Delta R.T. 0.094 min
 Lab File: VD074099.D
 Acq: 15 Aug 2022 19:35

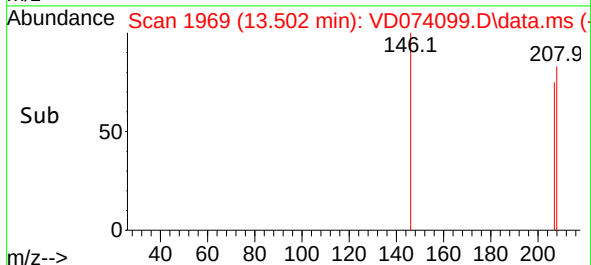
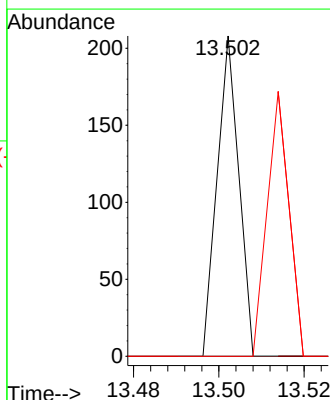
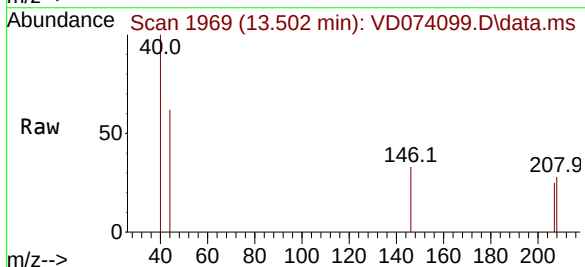
Instrument :
 MSVOA_D
 ClientSampleId :
 SB20RE

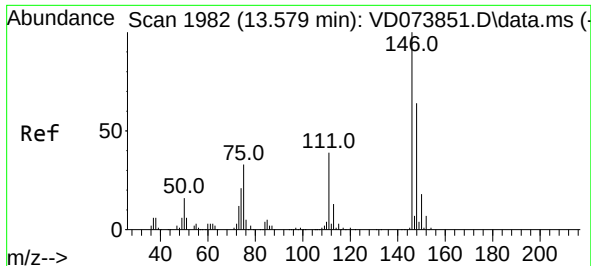
Tgt Ion: 75 Resp: 514
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#



#87
 1,3-Dichlorobenzene
 Concen: 1.612 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD074099.D
 Acq: 15 Aug 2022 19:35

Tgt Ion: 146 Resp: 73
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.4 61.3#
 148 83.6 31.9 95.7

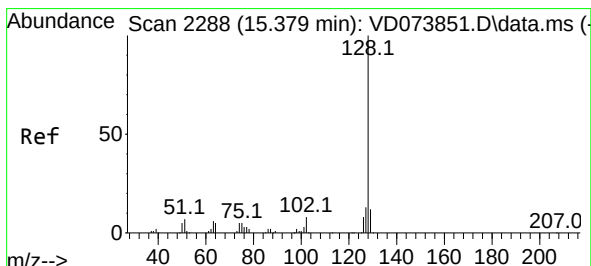
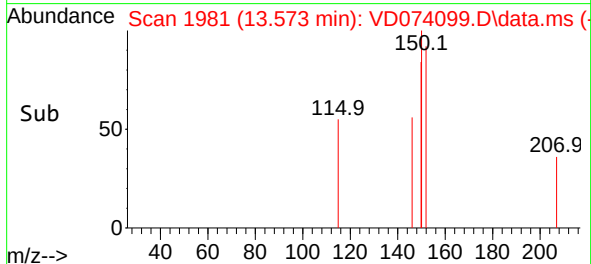
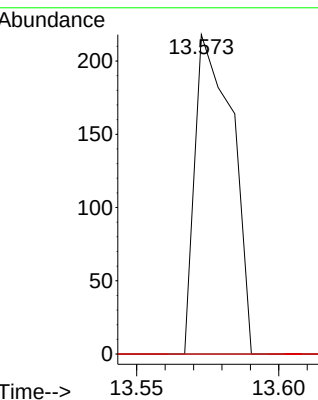
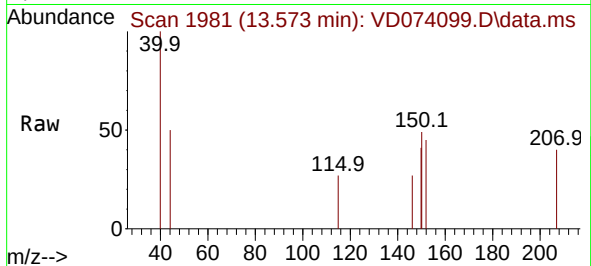




#88
1,4-Dichlorobenzene
Concen: 4.386 ug/l
RT: 13.573 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

Instrument :
MSVOA_D
ClientSampleId :
SB20RE

Tgt Ion:146 Resp: 199
Ion Ratio Lower Upper
146 100
111 0.0 20.3 60.9#
148 0.0 31.7 95.1#



#95
Naphthalene
Concen: 2.219 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.006 min
Lab File: VD074099.D
Acq: 15 Aug 2022 19:35

Tgt Ion:128 Resp: 97
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

