

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074200.D
 Acq On : 24 Aug 2022 00:04
 Operator : VA/SY
 Sample : N4202-01RE
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB10RE

Quant Time: Aug 24 06:24:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 23 13:12:17 2022
 Response via : Initial Calibration

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

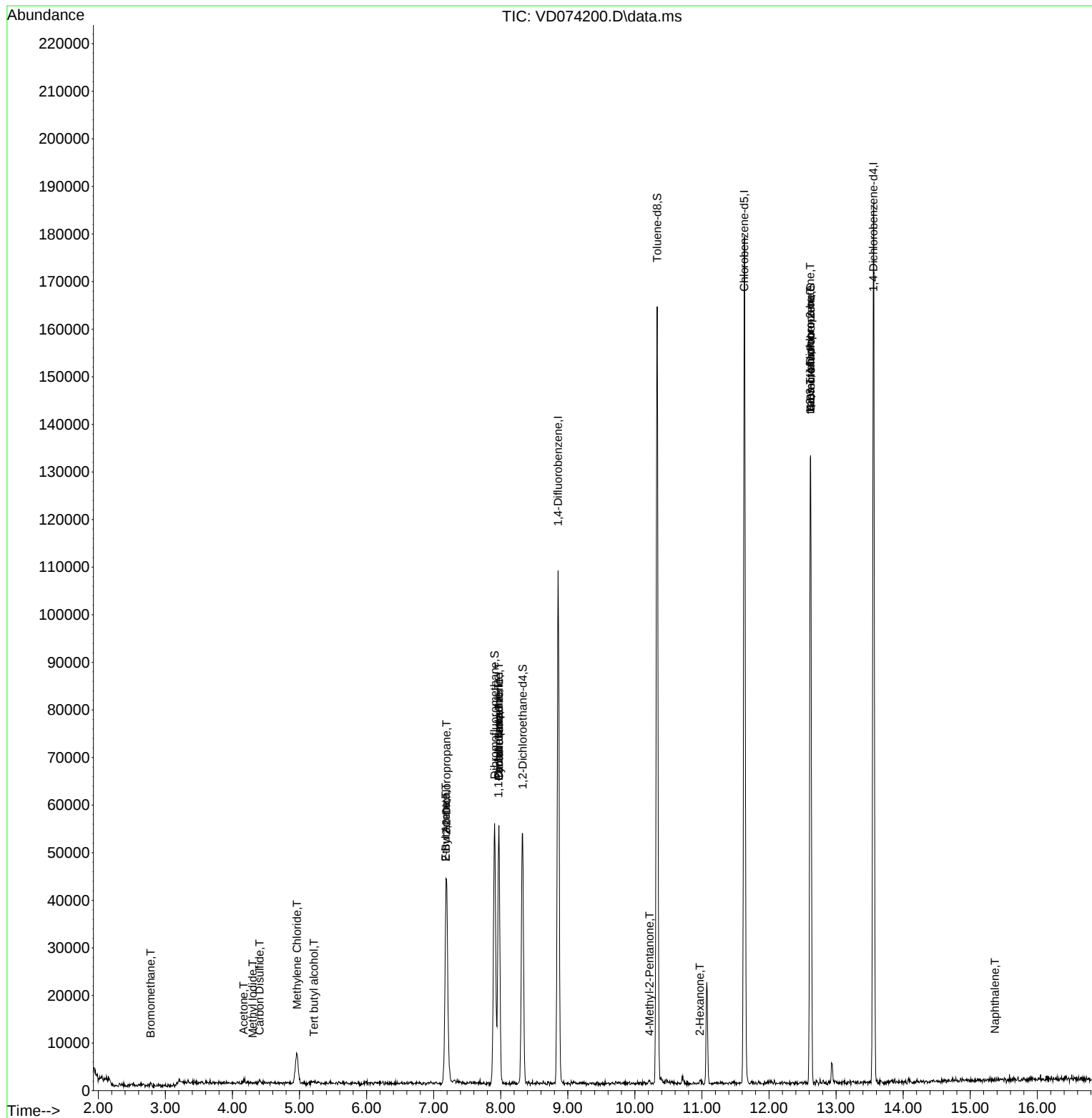
Internal Standards						
1) Pentafluorobenzene	7.973	168	38245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	90652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	104843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	50353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	44620	114.174	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 228.340%#	
35) Dibromofluoromethane	7.909	113	40296	66.456	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 132.920%	
50) Toluene-d8	10.332	98	111094	56.927	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 113.860%	
62) 4-Bromofluorobenzene	12.620	95	47086	61.075	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 122.140%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	235	1.516	ug/l #	34
10) Methyl Iodide	4.303	142	69	1.274	ug/l #	38
11) Tert butyl alcohol	5.215	59	736	30.243	ug/l #	74
16) Acetone	4.168	43	767	10.301	ug/l #	47
17) Carbon Disulfide	4.403	76	905	2.726	ug/l #	74
20) Methylene Chloride	4.962	84	5294	6.057	ug/l #	77
25) 2-Butanone	7.179	43	2381	20.657	ug/l #	52
26) 2,2-Dichloropropane	7.191	77	3180	4.418	ug/l #	54
31) Cyclohexane	7.973	56	798	1.147	ug/l #	53
36) 1,1-Dichloropropene	7.967	75	3275	3.574	ug/l #	43
37) Ethyl Acetate	7.179	43	2381	6.589	ug/l #	1
38) Carbon Tetrachloride	7.973	117	4378	4.447	ug/l #	20
51) 4-Methyl-2-Pentanone	10.220	43	756	2.082	ug/l #	65
59) 2-Hexanone	10.967	43	295	1.205	ug/l #	27
71) Bromoform	12.620	173	685	1.466	ug/l #	1
76) 1,2,3-Trichloropropane	12.614	75	24215	49.252	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	24215	126.658	ug/l #	7
95) Naphthalene	15.367	128	264	3.558	ug/l #	70

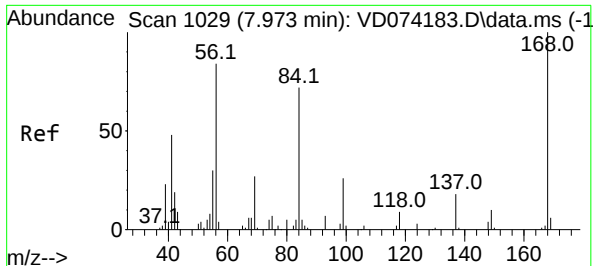
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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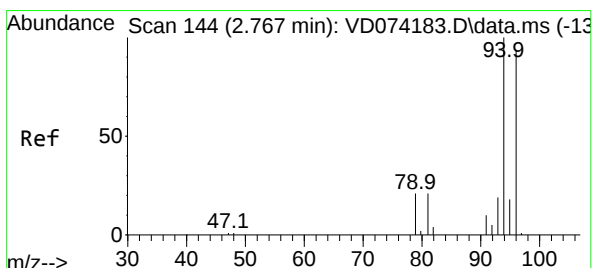
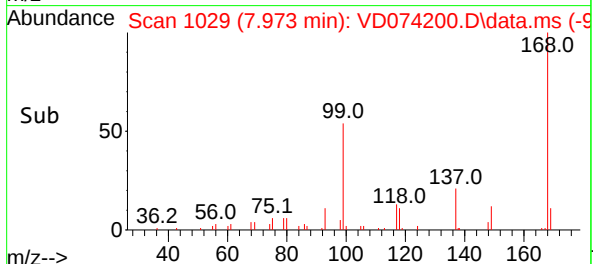
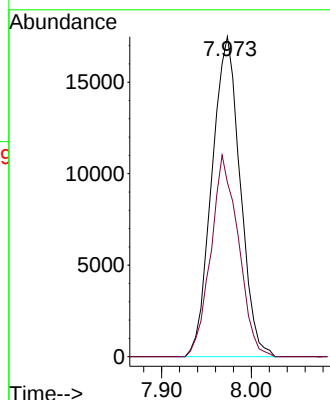
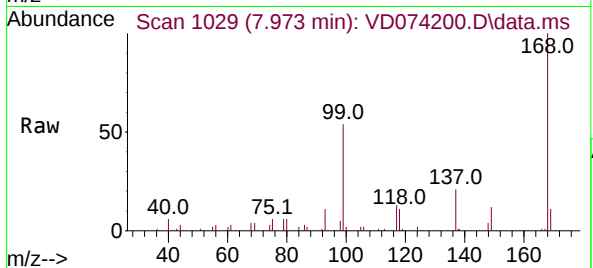




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074200.D
Acq: 24 Aug 2022 00:04

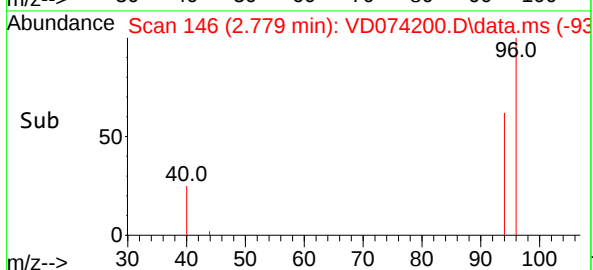
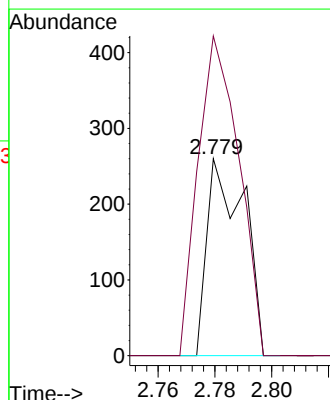
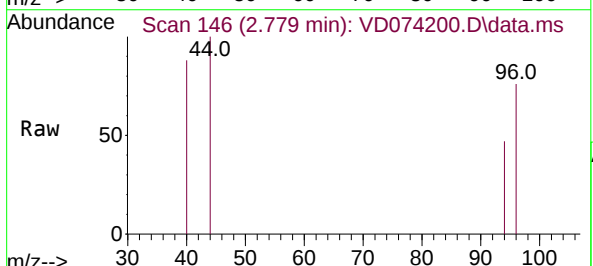
Instrument :
MSVOA_D
ClientSampleId :
SB10RE

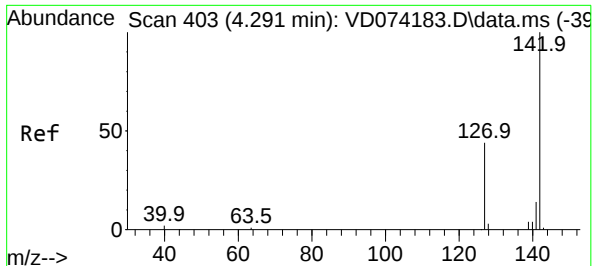
Tgt Ion:168 Resp: 38245
Ion Ratio Lower Upper
168 100
99 54.4 49.8 74.6



#5
Bromomethane
Concen: 1.516 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD074200.D
Acq: 24 Aug 2022 00:04

Tgt Ion: 94 Resp: 235
Ion Ratio Lower Upper
94 100
96 162.3 77.6 116.4#





#10

Methyl Iodide

Concen: 1.274 ug/l

RT: 4.303 min Scan# 403

Delta R.T. 0.012 min

Lab File: VD074200.D

Acq: 24 Aug 2022 00:04

Instrument :

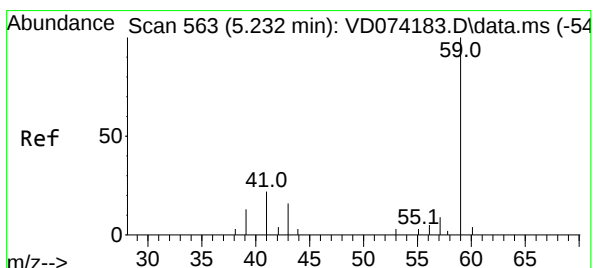
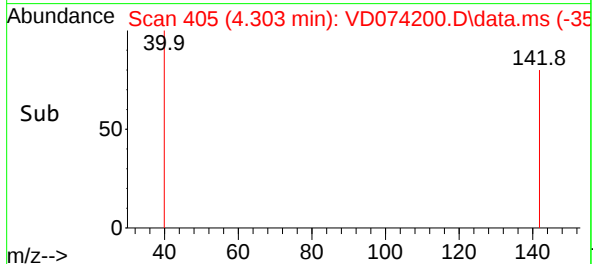
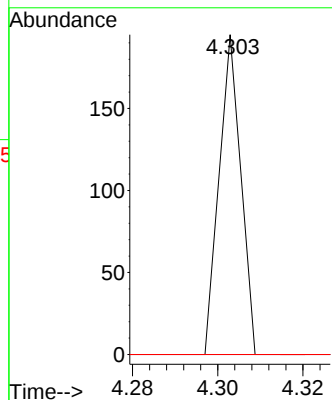
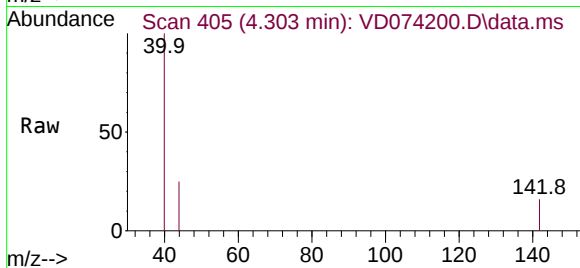
MSVOA_D

ClientSampleId :

SB10RE

Tgt Ion:142 Resp: 69

Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.3	55.9#
141	0.0	11.7	17.5#



#11

Tert butyl alcohol

Concen: 30.243 ug/l

RT: 5.215 min Scan# 560

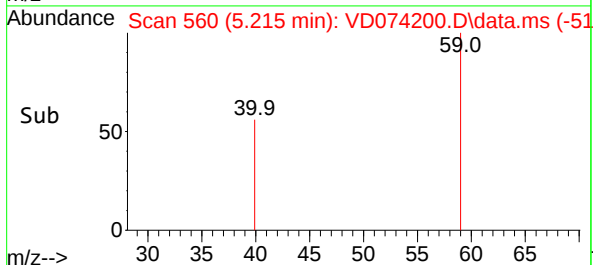
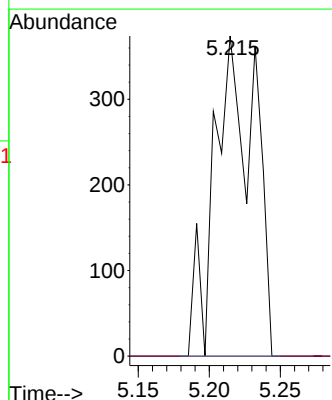
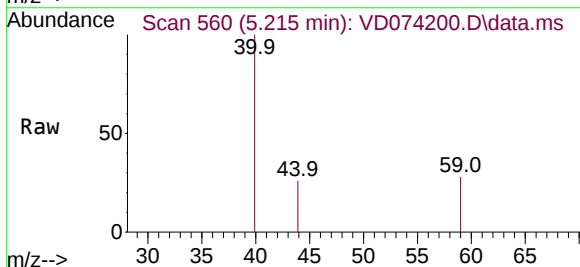
Delta R.T. -0.017 min

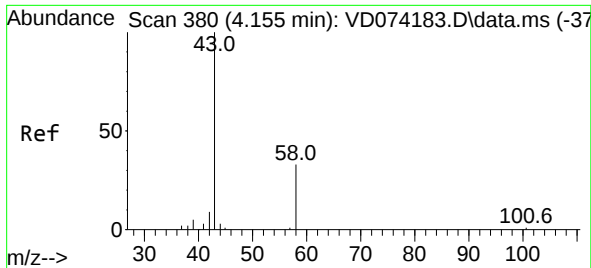
Lab File: VD074200.D

Acq: 24 Aug 2022 00:04

Tgt Ion: 59 Resp: 736

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#

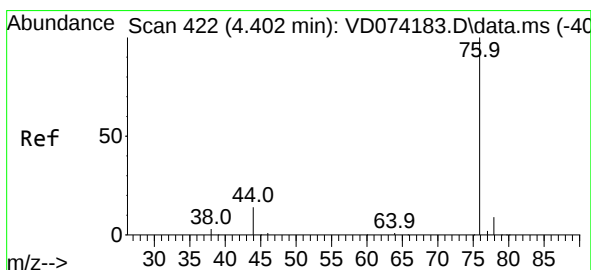
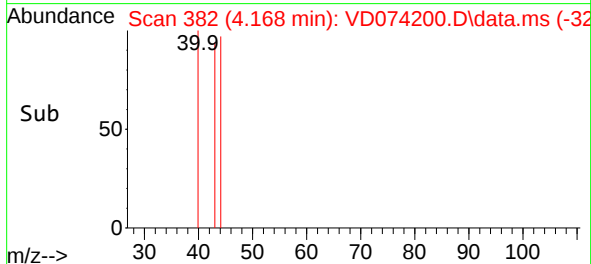
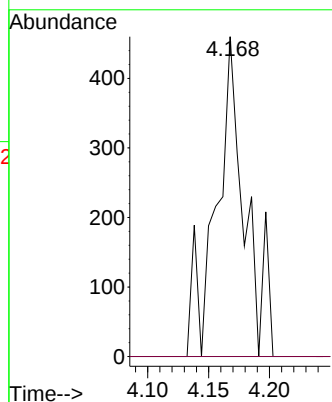
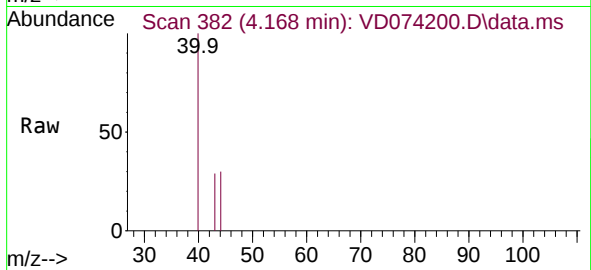




#16
Acetone
Concen: 10.301 ug/l
RT: 4.168 min Scan# 380
Delta R.T. 0.013 min
Lab File: VD074200.D
Acq: 24 Aug 2022 00:04

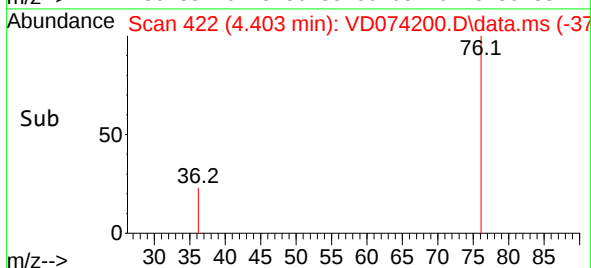
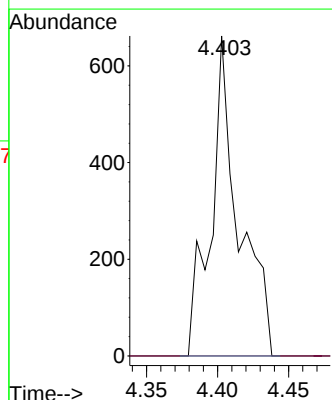
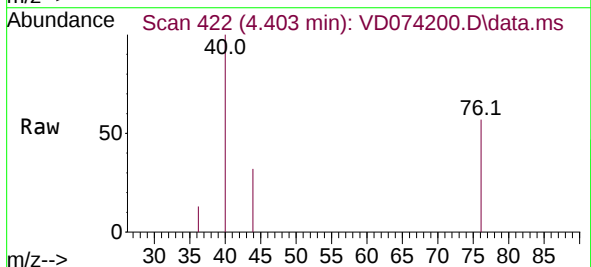
Instrument :
MSVOA_D
ClientSampleId :
SB10RE

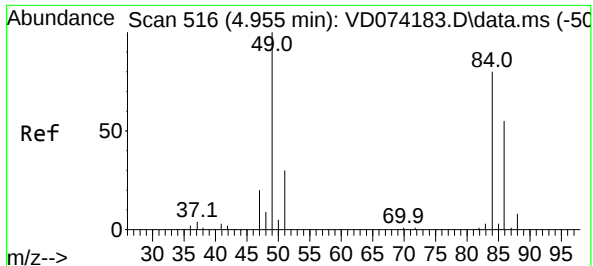
Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#17
Carbon Disulfide
Concen: 2.726 ug/l
RT: 4.403 min Scan# 422
Delta R.T. 0.001 min
Lab File: VD074200.D
Acq: 24 Aug 2022 00:04

Tgt Ion: 76 Resp: 905
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#20

Methylene Chloride

Concen: 6.057 ug/l

RT: 4.962 min Scan# 516

Delta R.T. 0.007 min

Lab File: VD074200.D

Acq: 24 Aug 2022 00:04

Instrument :

MSVOA_D

ClientSampleId :

SB10RE

Tgt Ion: 84 Resp: 5294

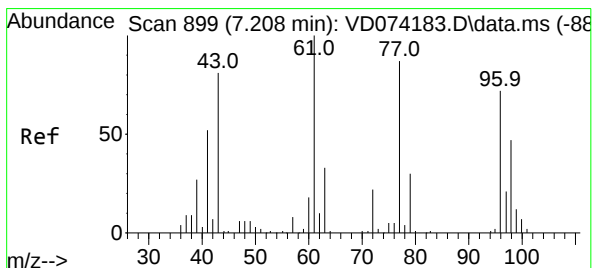
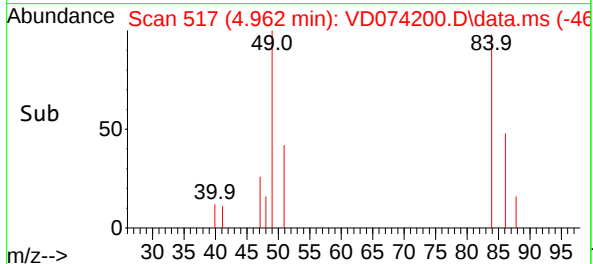
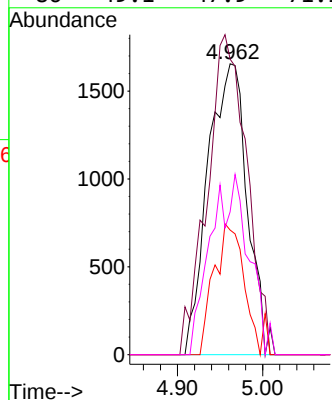
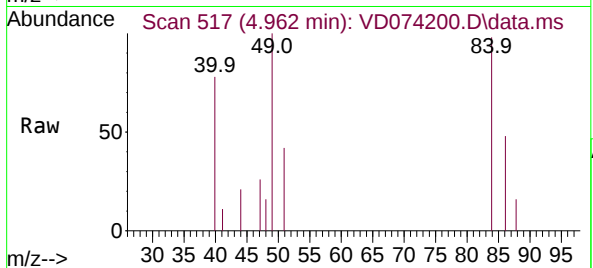
Ion Ratio Lower Upper

84 100

49 101.6 112.8 169.2#

51 42.8 32.6 48.8

86 49.1 47.9 71.9



#25

2-Butanone

Concen: 20.657 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.029 min

Lab File: VD074200.D

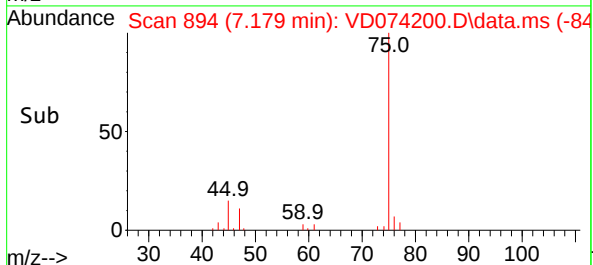
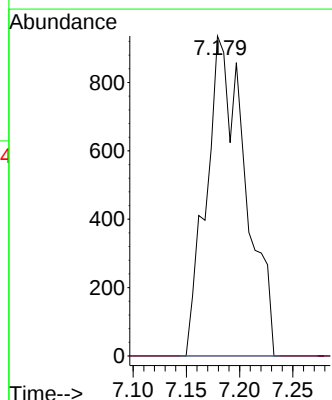
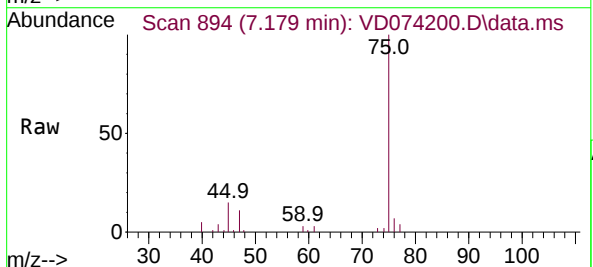
Acq: 24 Aug 2022 00:04

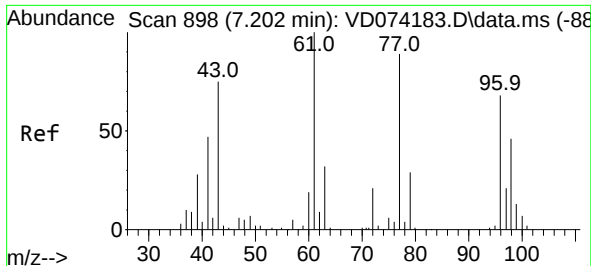
Tgt Ion: 43 Resp: 2381

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 4.418 ug/l

RT: 7.191 min Scan# 89

Delta R.T. -0.011 min

Lab File: VD074200.D

Acq: 24 Aug 2022 00:04

Instrument :

MSVOA_D

ClientSampleId :

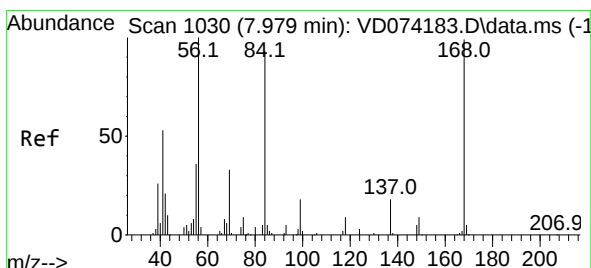
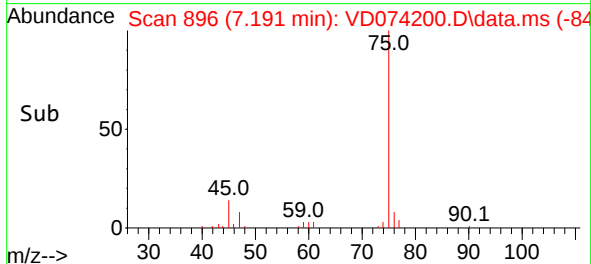
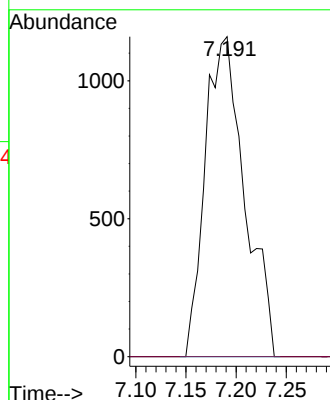
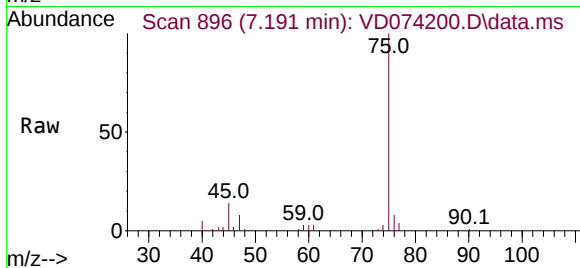
SB10RE

Tgt Ion: 77 Resp: 3180

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.147 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD074200.D

Acq: 24 Aug 2022 00:04

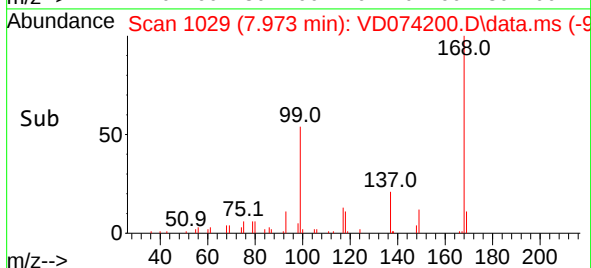
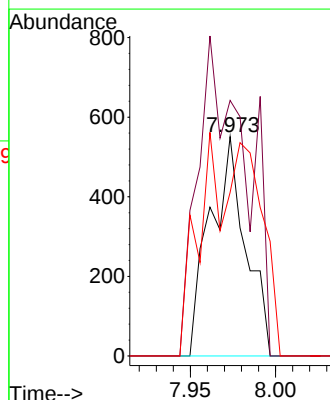
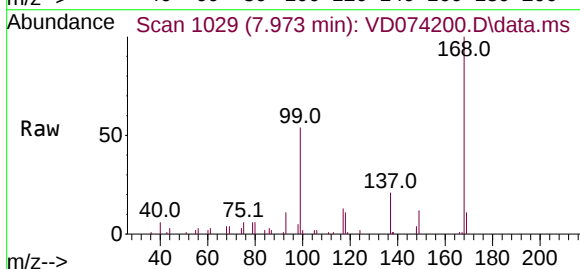
Tgt Ion: 56 Resp: 798

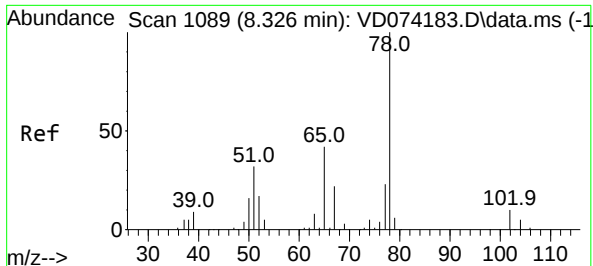
Ion Ratio Lower Upper

56 100

69 116.5 25.4 38.2#

84 74.6 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 114.174 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD074200.D

Acq: 24 Aug 2022 00:04

Instrument :

MSVOA_D

ClientSampleId :

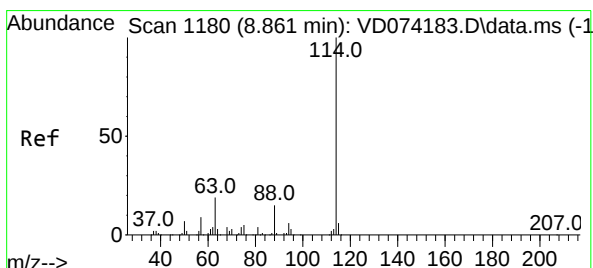
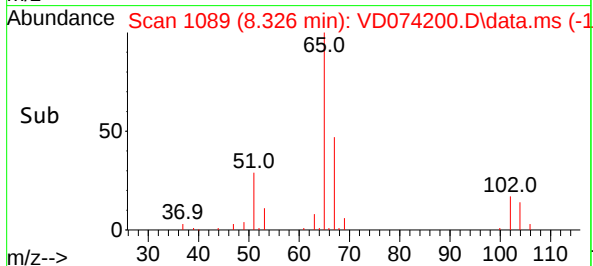
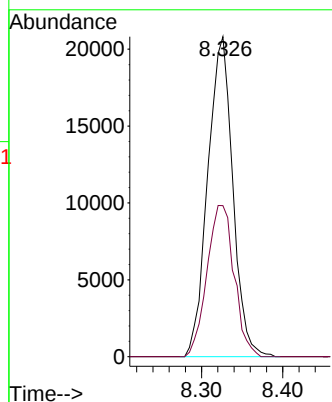
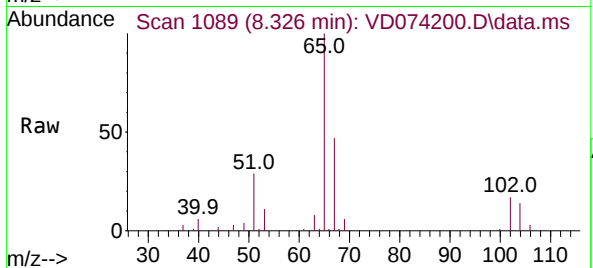
SB10RE

Tgt Ion: 65 Resp: 44620

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.005 min

Lab File: VD074200.D

Acq: 24 Aug 2022 00:04

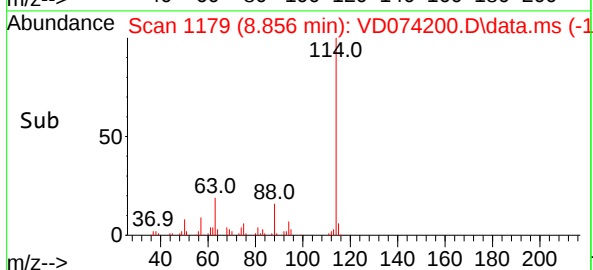
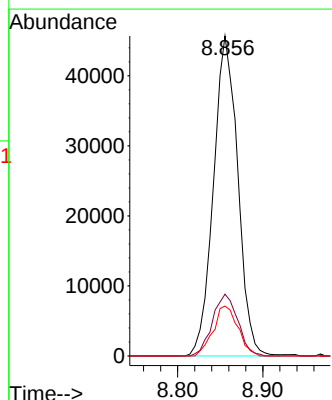
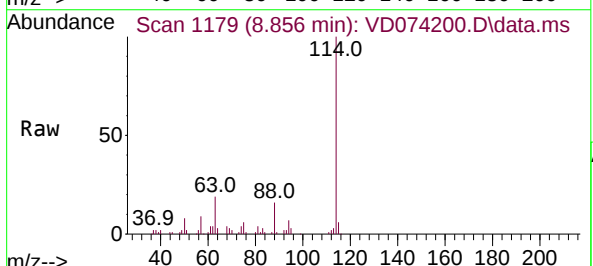
Tgt Ion: 114 Resp: 90652

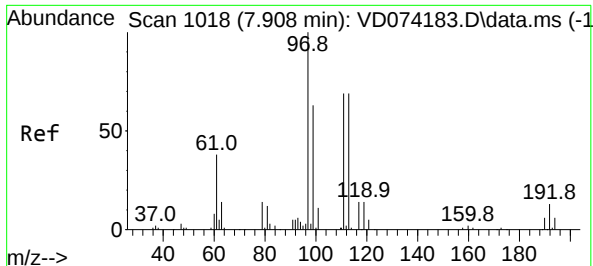
Ion Ratio Lower Upper

114 100

63 19.3 0.0 46.6

88 15.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 66.456 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.001 min

Lab File: VD074200.D

Acq: 24 Aug 2022 00:04

Instrument :

MSVOA_D

ClientSampleId :

SB10RE

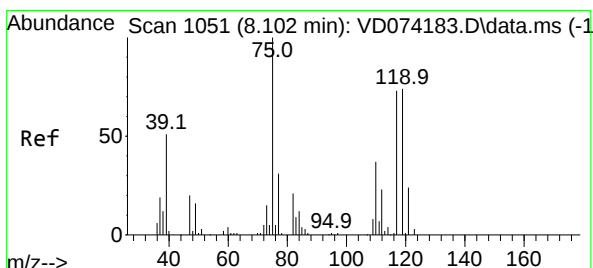
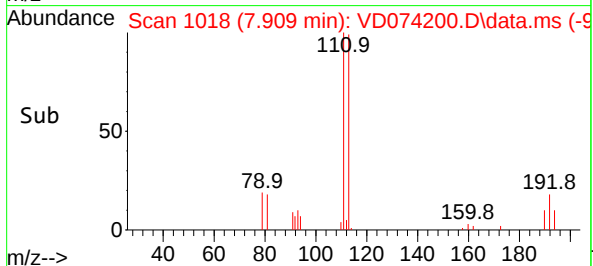
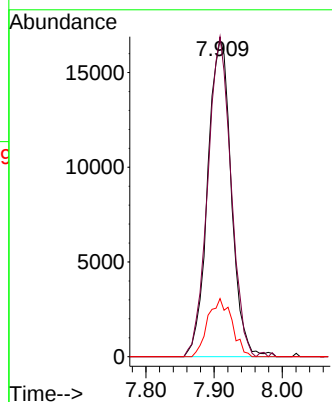
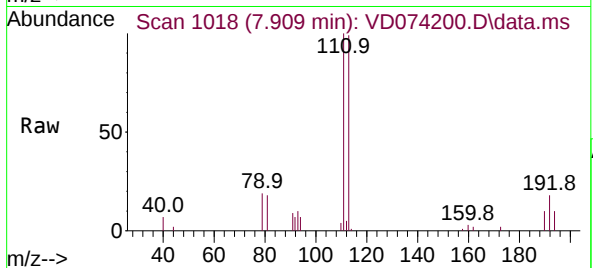
Tgt Ion:113 Resp: 40296

Ion Ratio Lower Upper

113 100

111 99.5 83.8 125.6

192 18.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 3.574 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VD074200.D

Acq: 24 Aug 2022 00:04

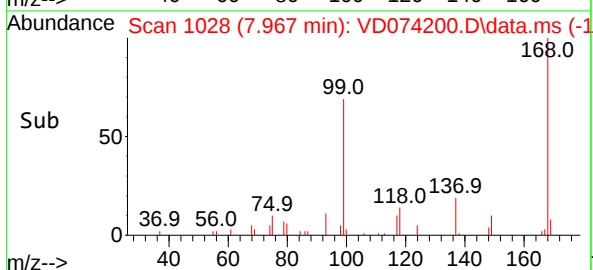
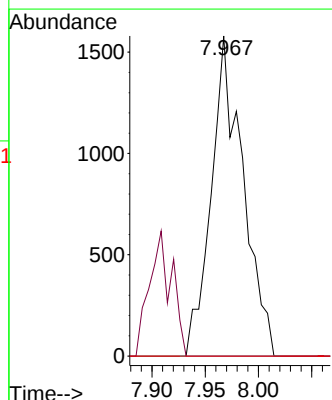
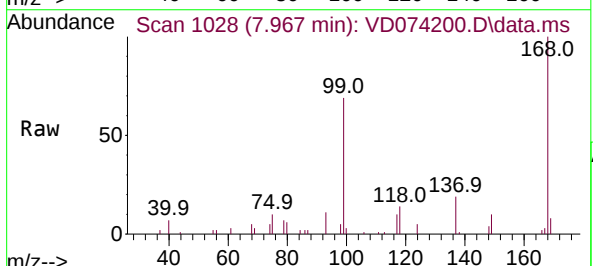
Tgt Ion: 75 Resp: 3275

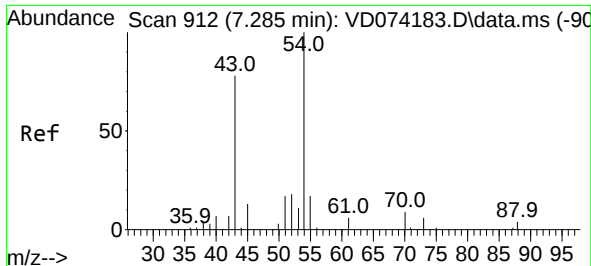
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 6.589 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.106 min

Lab File: VD074200.D

Acq: 24 Aug 2022 00:04

Instrument :

MSVOA_D

ClientSampleId :

SB10RE

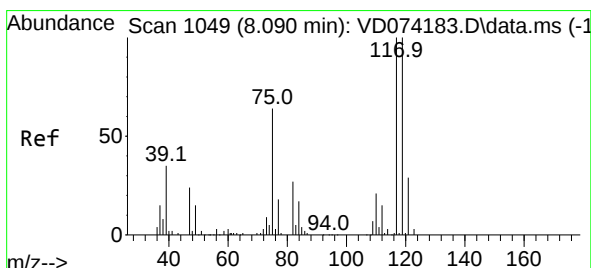
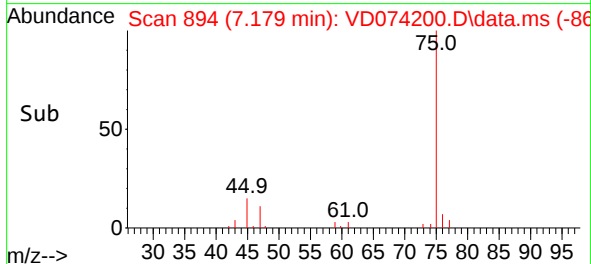
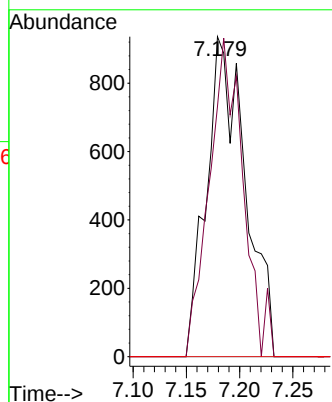
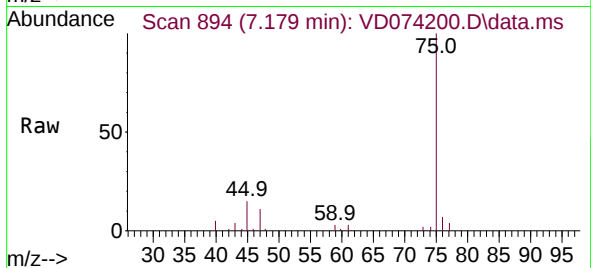
Tgt Ion: 43 Resp: 2381

Ion Ratio Lower Upper

43 100

61 86.4 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 4.447 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.117 min

Lab File: VD074200.D

Acq: 24 Aug 2022 00:04

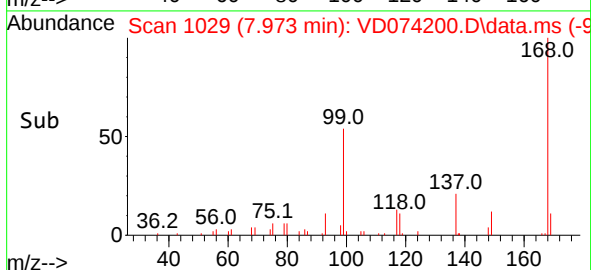
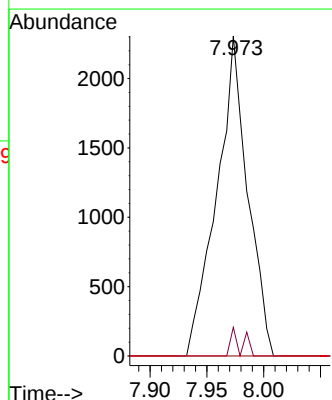
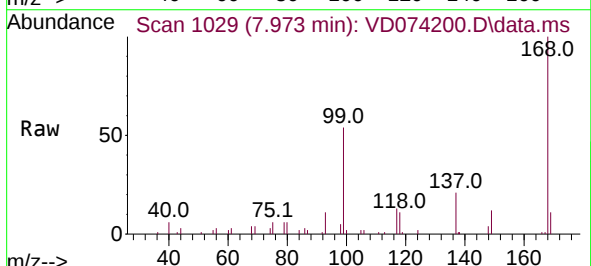
Tgt Ion: 117 Resp: 4378

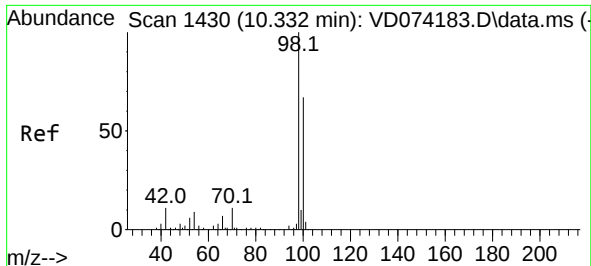
Ion Ratio Lower Upper

117 100

119 9.0 75.8 113.6#

121 0.0 24.5 36.7#

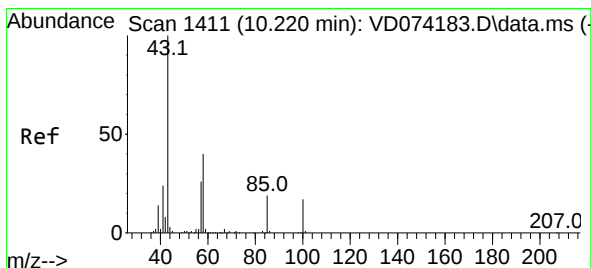
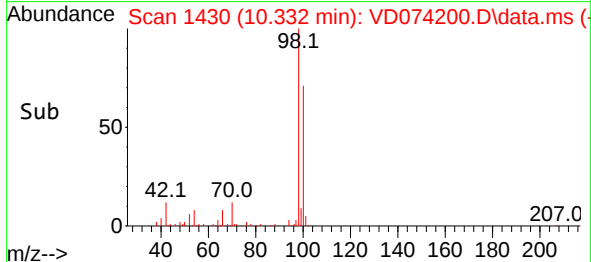
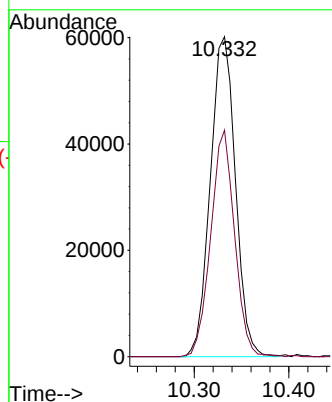
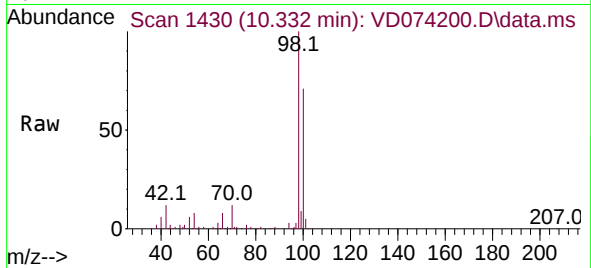




#50
Toluene-d8
Concen: 56.927 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074200.D
Acq: 24 Aug 2022 00:04

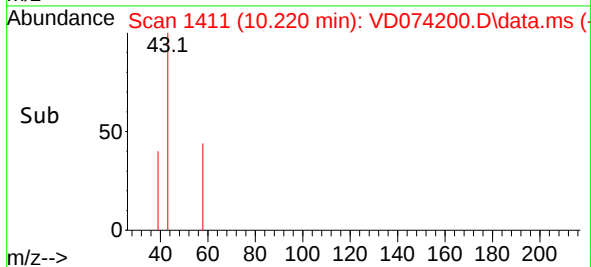
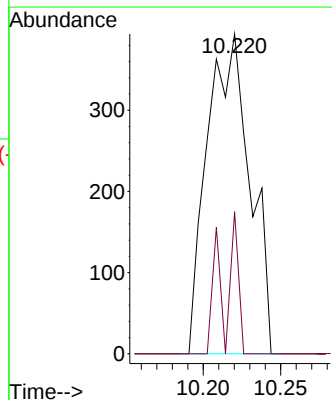
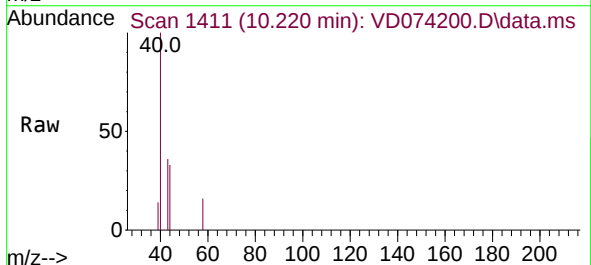
Instrument :
MSVOA_D
ClientSampleId :
SB10RE

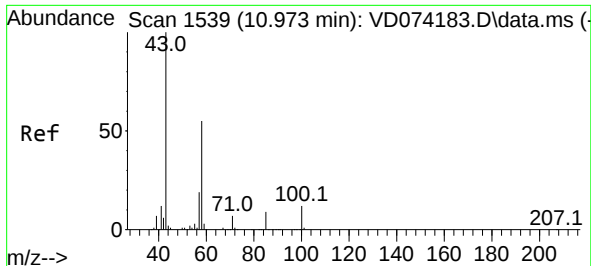
Tgt Ion: 98 Resp: 111094
Ion Ratio Lower Upper
98 100
100 67.1 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 2.082 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD074200.D
Acq: 24 Aug 2022 00:04

Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
58 15.5 28.6 43.0#

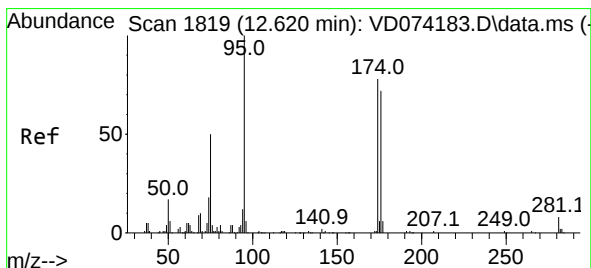
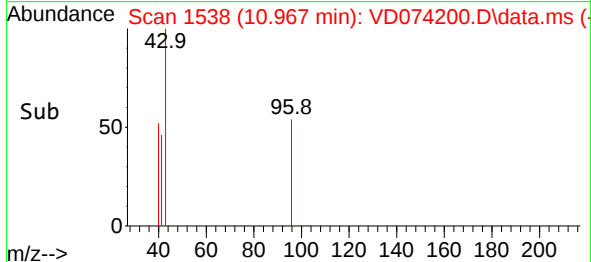
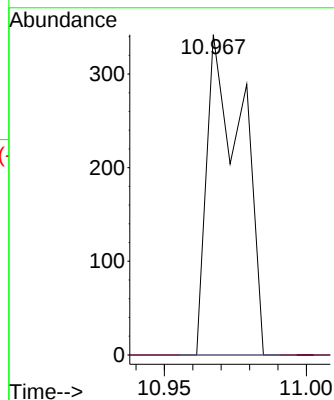
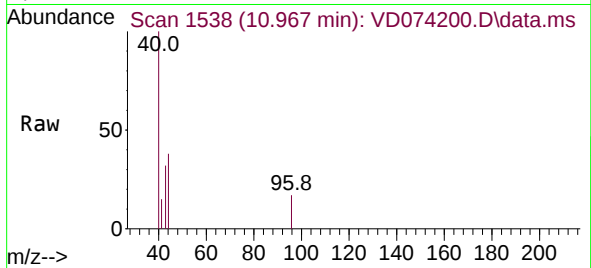




#59
2-Hexanone
Concen: 1.205 ug/l
RT: 10.967 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074200.D
Acq: 24 Aug 2022 00:04

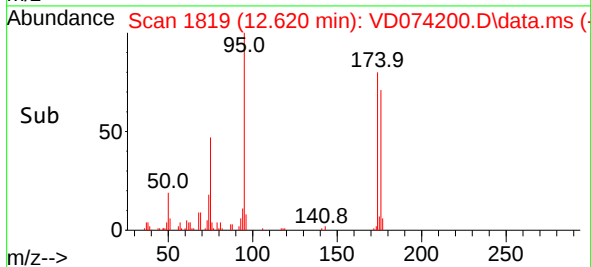
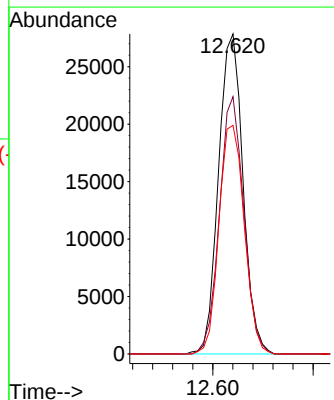
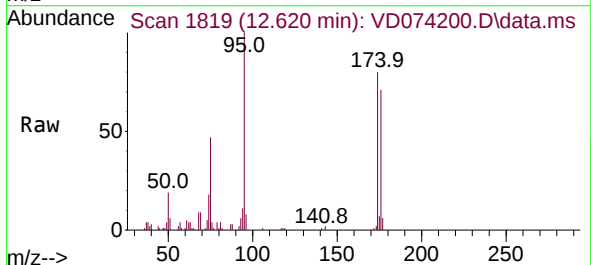
Instrument :
MSVOA_D
ClientSampleId :
SB10RE

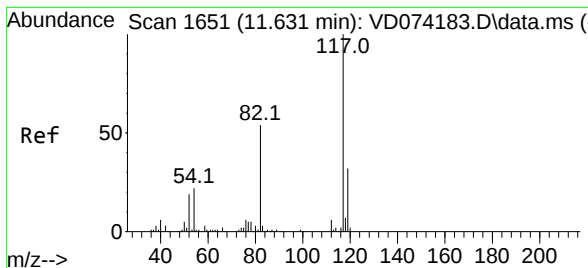
Tgt Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 61.075 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD074200.D
Acq: 24 Aug 2022 00:04

Tgt Ion: 95 Resp: 47086
Ion Ratio Lower Upper
95 100
174 79.9 0.0 152.8
176 74.1 0.0 145.4

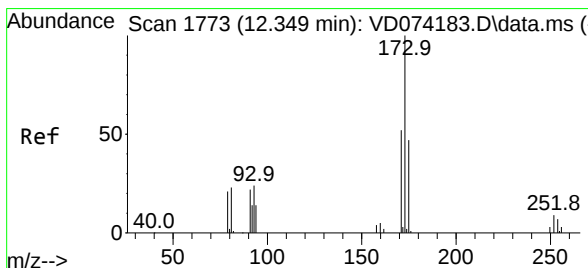
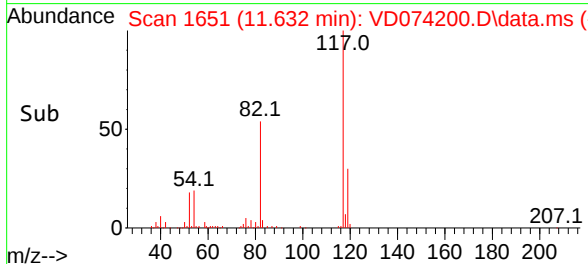
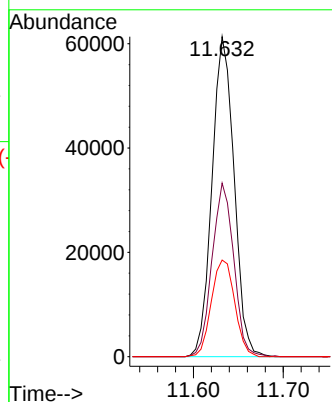
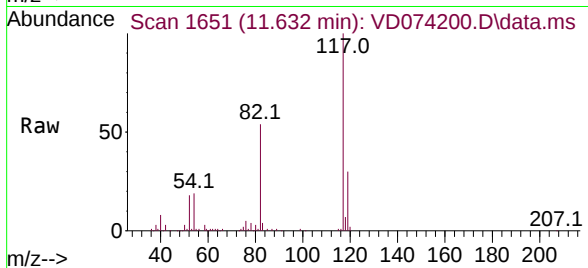




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1165
Delta R.T. 0.001 min
Lab File: VD074200.D
Acq: 24 Aug 2022 00:04

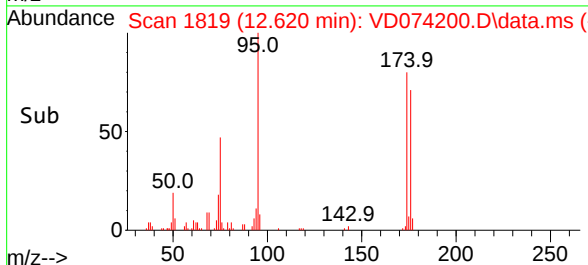
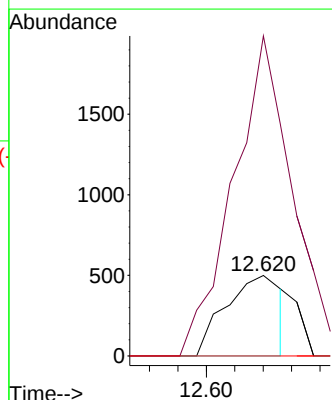
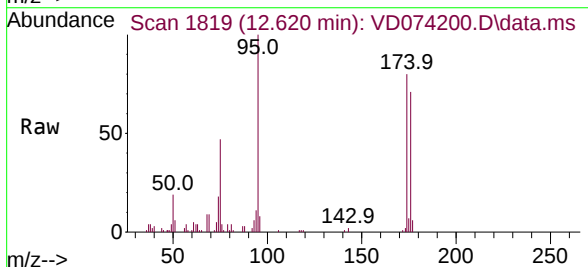
Instrument :
MSVOA_D
ClientSampleId :
SB10RE

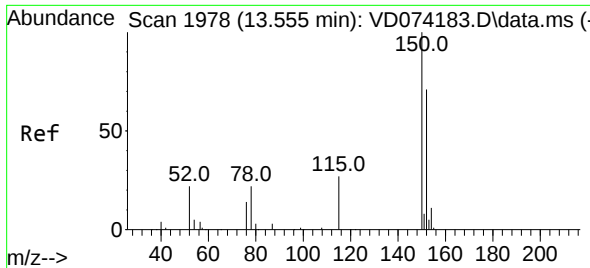
Tgt Ion:117 Resp: 104843
Ion Ratio Lower Upper
117 100
82 54.3 45.3 67.9
119 30.2 26.6 40.0



#71
Bromoform
Concen: 1.466 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD074200.D
Acq: 24 Aug 2022 00:04

Tgt Ion:173 Resp: 685
Ion Ratio Lower Upper
173 100
175 336.8 23.9 71.8#
254 0.0 0.0 0.0

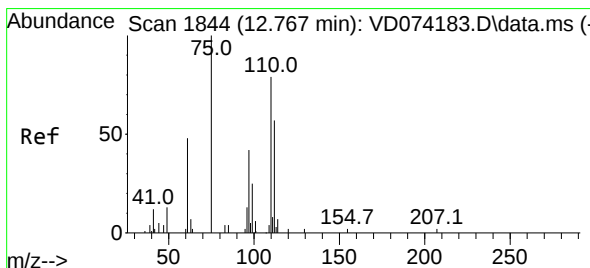
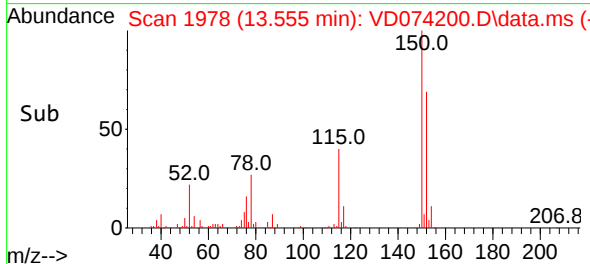
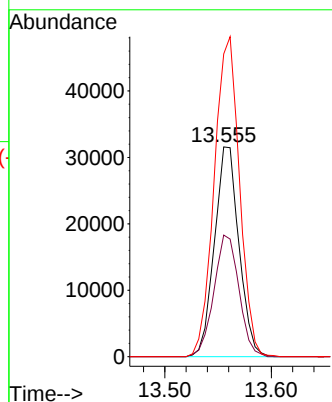
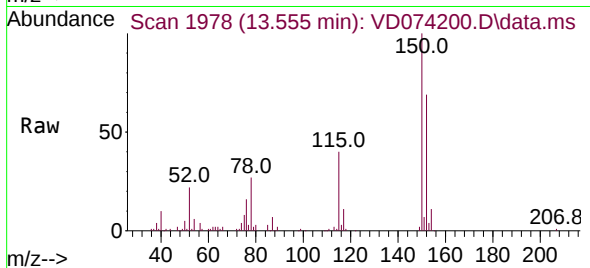




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.555 min Scan# 1978
 Delta R.T. 0.000 min
 Lab File: VD074200.D
 Acq: 24 Aug 2022 00:04

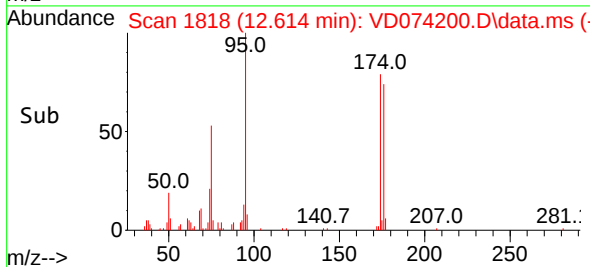
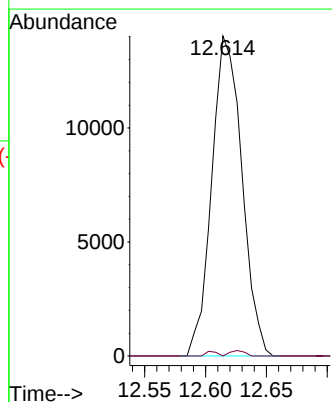
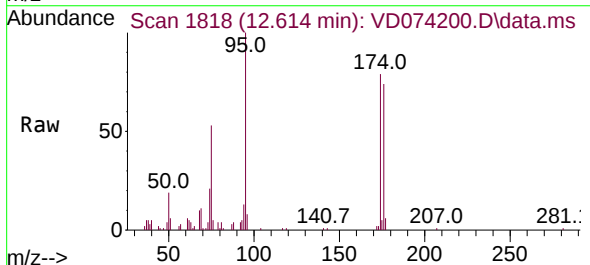
Instrument :
 MSVOA_D
 ClientSampleId :
 SB10RE

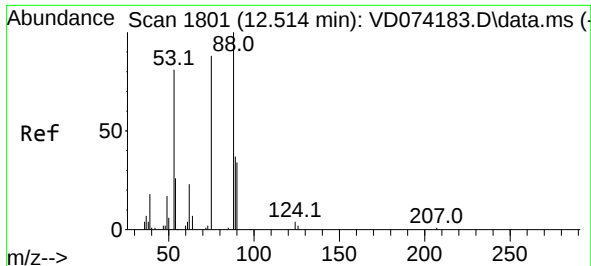
Tgt Ion:152 Resp: 50353
 Ion Ratio Lower Upper
 152 100
 115 59.3 31.3 93.8
 150 157.4 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 49.252 ug/l
 RT: 12.614 min Scan# 1818
 Delta R.T. -0.153 min
 Lab File: VD074200.D
 Acq: 24 Aug 2022 00:04

Tgt Ion: 75 Resp: 24215
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#

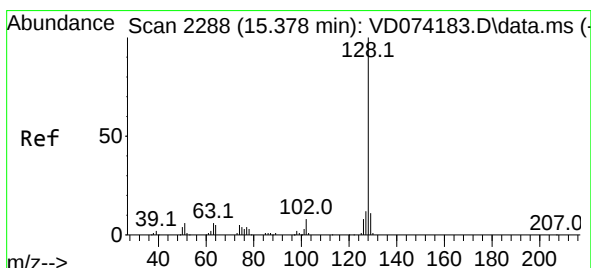
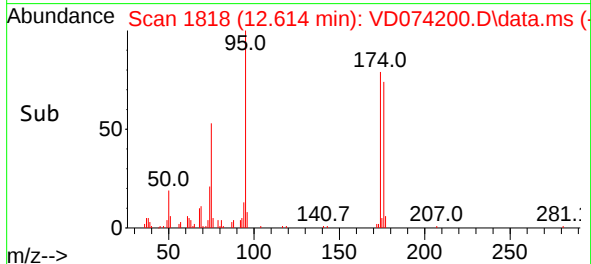
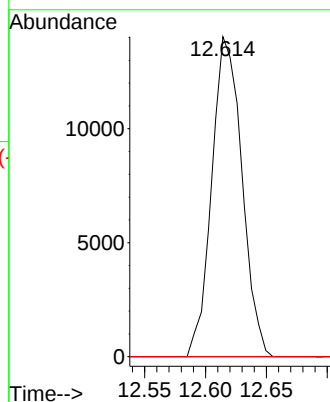
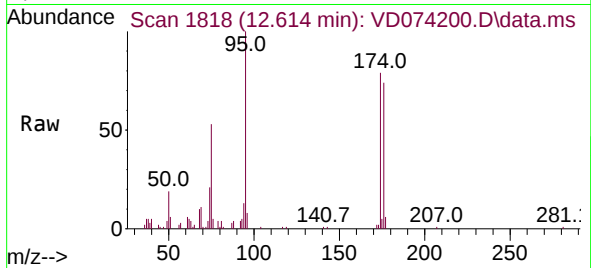




#81
trans-1,4-Dichloro-2-butene
Concen: 126.658 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD074200.D
Acq: 24 Aug 2022 00:04

Instrument :
MSVOA_D
ClientSampleId :
SB10RE

Tgt Ion: 75 Resp: 24215
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.558 ug/l
RT: 15.367 min Scan# 2286
Delta R.T. -0.011 min
Lab File: VD074200.D
Acq: 24 Aug 2022 00:04

Tgt Ion: 128 Resp: 264
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

