

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074201.D
 Acq On : 24 Aug 2022 00:33
 Operator : VA/SY
 Sample : N4202-03RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB08RE

Quant Time: Aug 24 06:24:45 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	101666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	238438	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	253502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	117587	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	79852	76.864	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	153.720%
35) Dibromofluoromethane	7.908	113	91370	57.290	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.580%
50) Toluene-d8	10.332	98	297507	57.960	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	115.920%
62) 4-Bromofluorobenzene	12.614	95	112582	55.519	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.040%

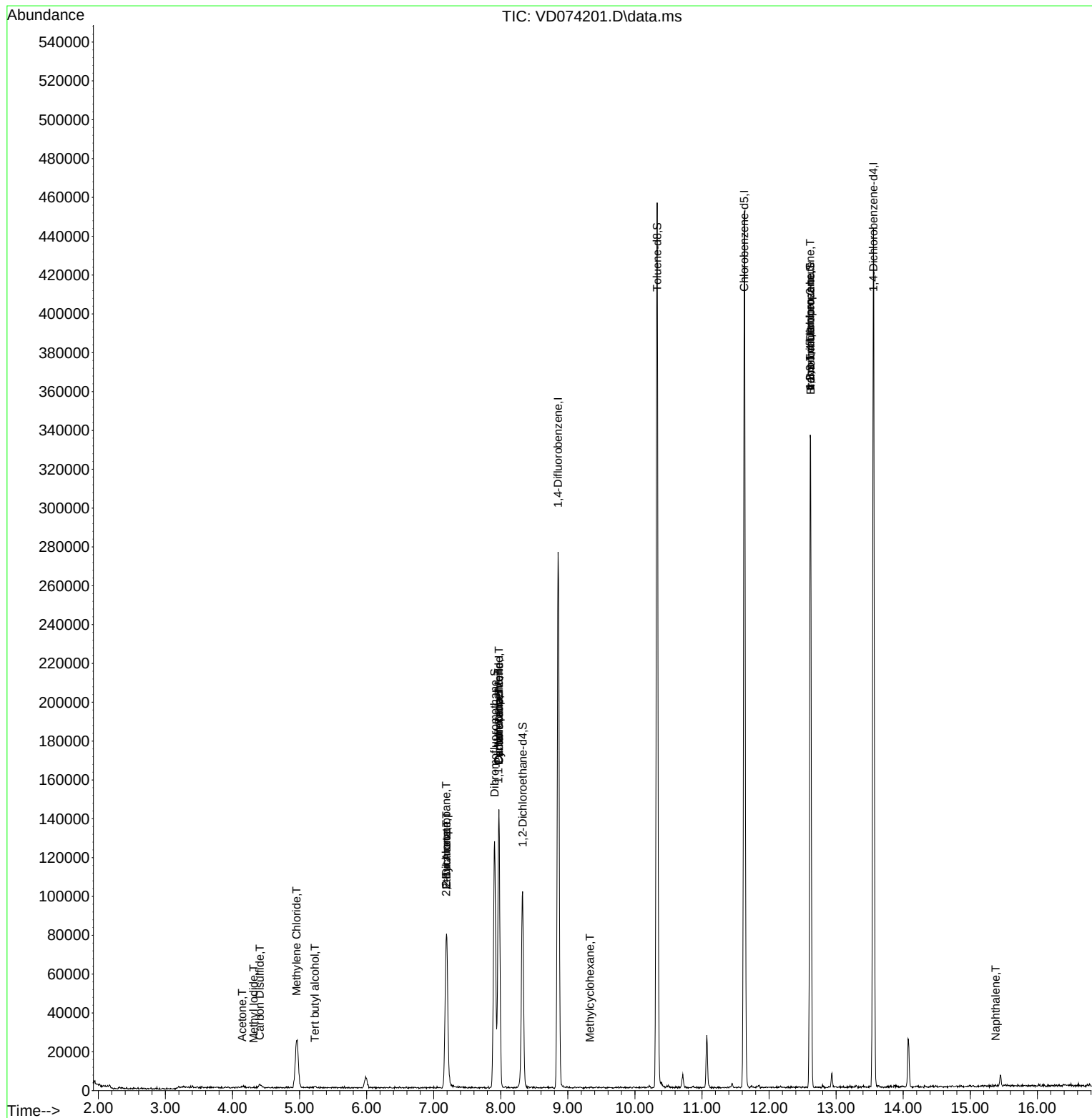
Target Compounds					Qvalue	
10) Methyl Iodide	4.314	142	54	1.181	ug/l #	38
11) Tert butyl alcohol	5.226	59	1223	18.905	ug/l #	74
16) Acetone	4.144	43	1309	6.614	ug/l #	85
17) Carbon Disulfide	4.409	76	3223	2.969	ug/l #	89
18) Methyl Acetate	4.456	43	59	Below Cal	#	55
20) Methylene Chloride	4.956	84	20138	11.476	ug/l	87
25) 2-Butanone	7.191	43	4250	13.871	ug/l	95
26) 2,2-Dichloropropane	7.185	77	5705	2.982	ug/l #	54
31) Cyclohexane	7.973	56	2433	1.316	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	8654	3.590	ug/l #	52
37) Ethyl Acetate	7.191	43	4250	4.472	ug/l #	1
38) Carbon Tetrachloride	7.973	117	11815	4.563	ug/l #	16
39) Methylcyclohexane	9.332	83	79	2.240	ug/l #	17
71) Bromoform	12.620	173	1240	1.098	ug/l #	1
76) 1,2,3-Trichloropropane	12.614	75	56422	49.142	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	56422	126.375	ug/l #	7
95) Naphthalene	15.379	128	182	3.466	ug/l #	70

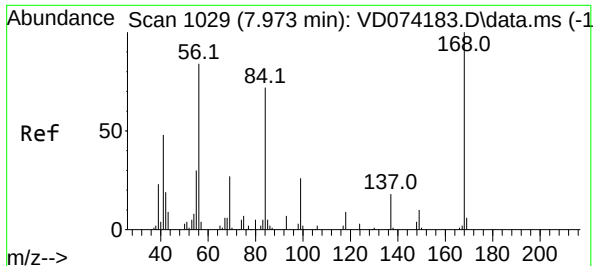
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 23 13:12:17 2022
Response via : Initial Calibration

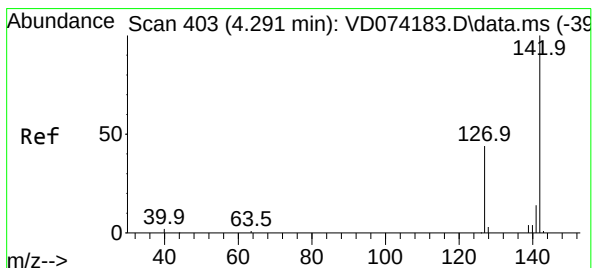
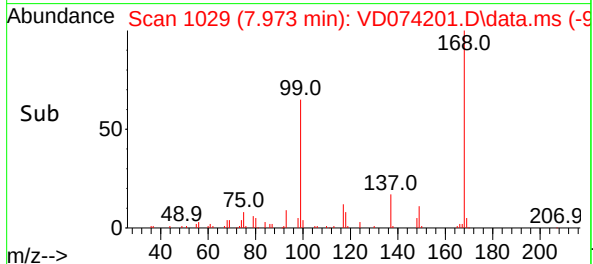
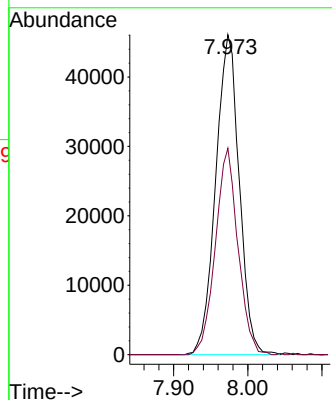
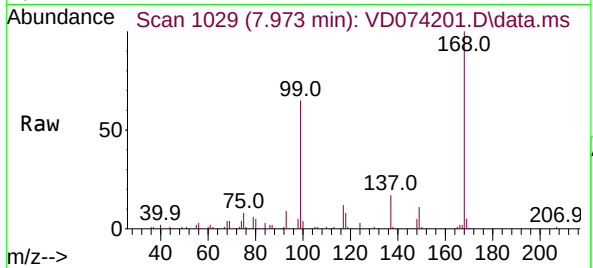




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

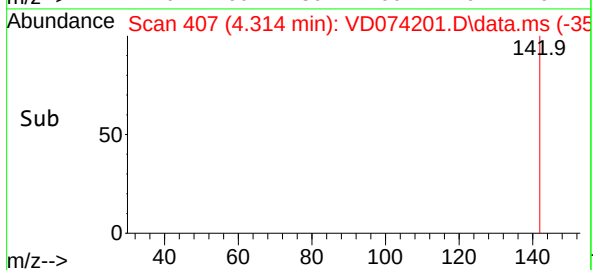
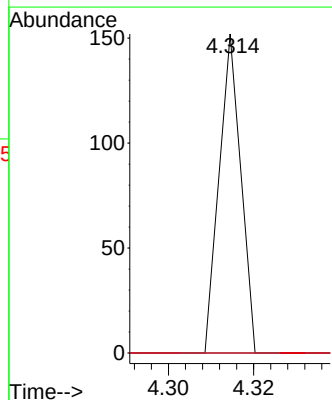
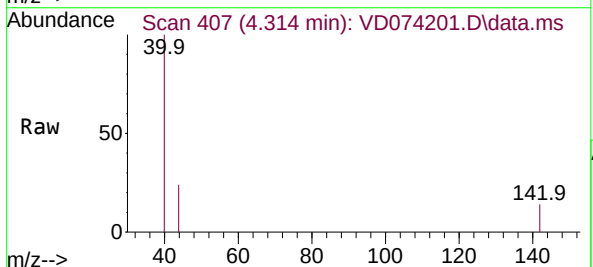
Instrument :
MSVOA_D
ClientSampleId :
SB08RE

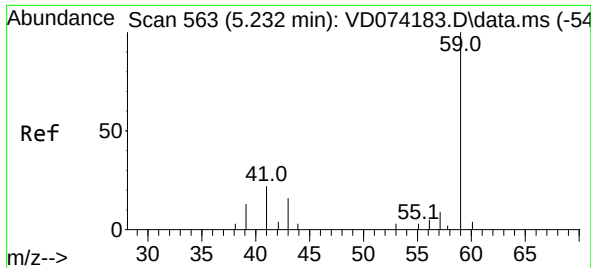
Tgt Ion:168 Resp: 101666
Ion Ratio Lower Upper
168 100
99 64.5 49.8 74.6



#10
Methyl Iodide
Concen: 1.181 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.023 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

Tgt Ion:142 Resp: 54
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: 18.905 ug/l

RT: 5.226 min Scan# 5

Delta R.T. -0.006 min

Lab File: VD074201.D

Acq: 24 Aug 2022 00:33

Instrument :

MSVOA_D

ClientSampleId :

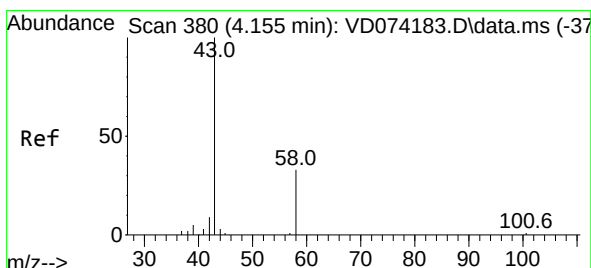
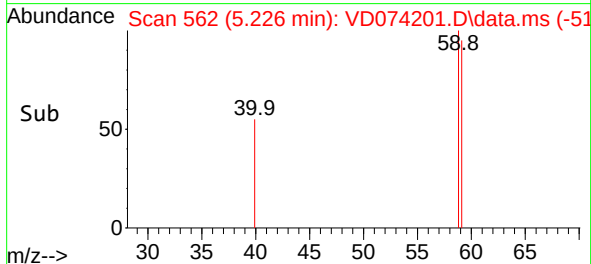
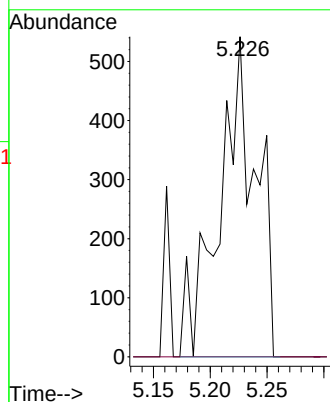
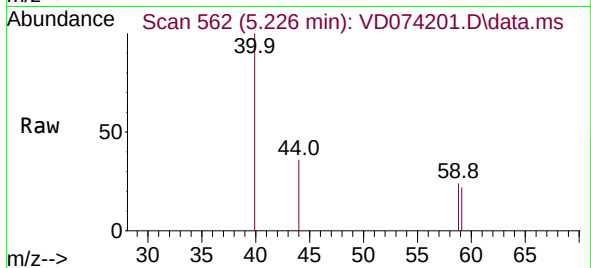
SB08RE

Tgt Ion: 59 Resp: 1223

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 6.614 ug/l

RT: 4.144 min Scan# 378

Delta R.T. -0.011 min

Lab File: VD074201.D

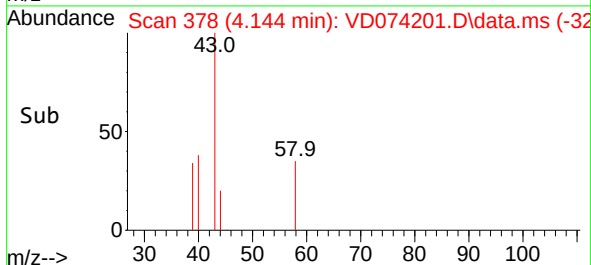
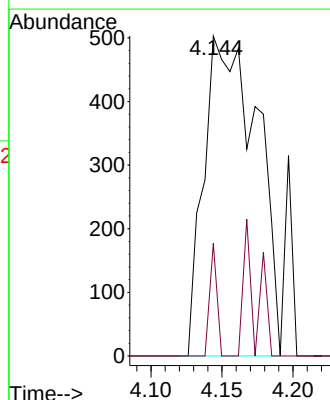
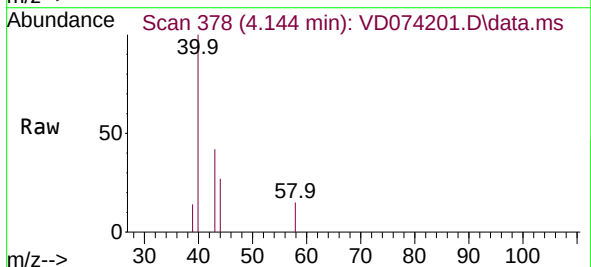
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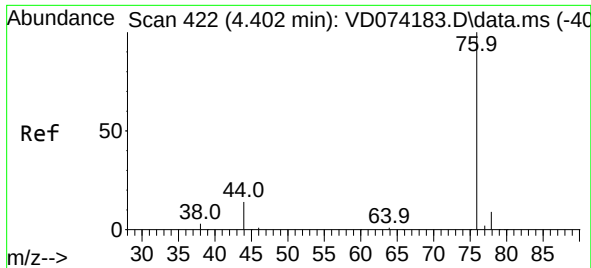
Tgt Ion: 43 Resp: 1309

Ion Ratio Lower Upper

43 100

58 35.2 22.1 33.1#

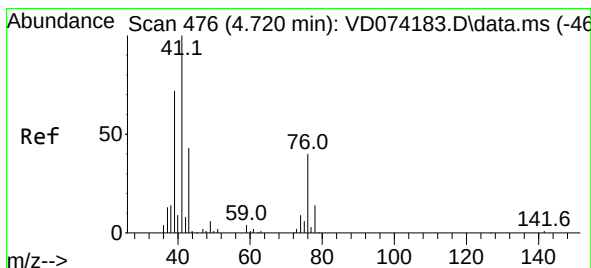
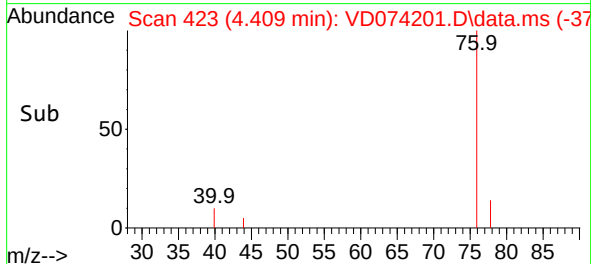
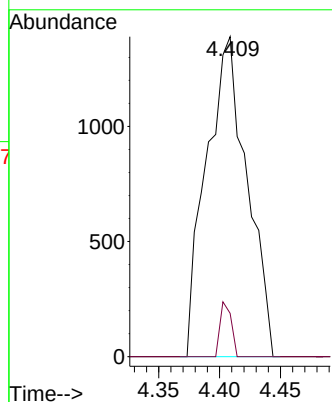
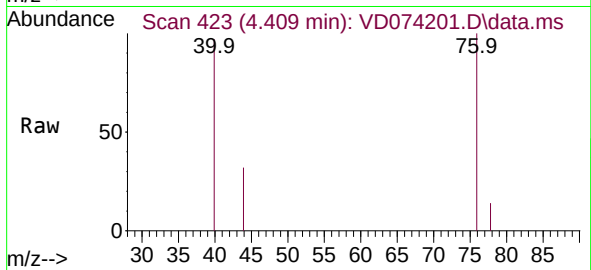




#17
Carbon Disulfide
Concen: 2.969 ug/l
RT: 4.409 min Scan# 41
Delta R.T. 0.007 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

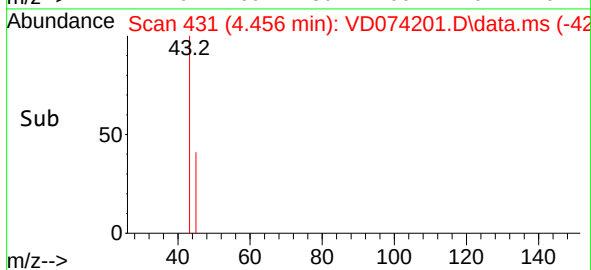
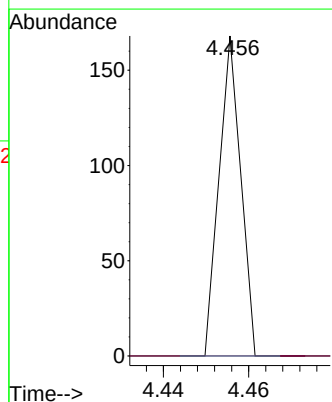
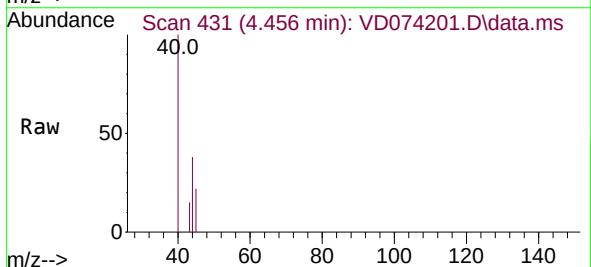
Instrument :
MSVOA_D
ClientSampleId :
SB08RE

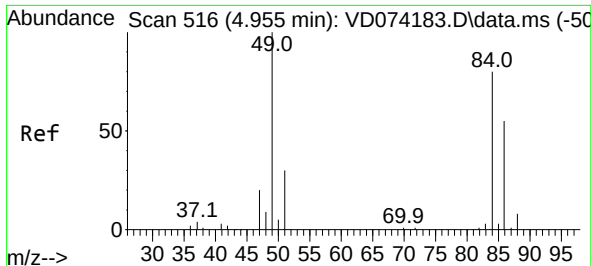
Tgt Ion: 76 Resp: 3223
Ion Ratio Lower Upper
76 100
78 13.5 7.5 11.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.456 min Scan# 431
Delta R.T. -0.264 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

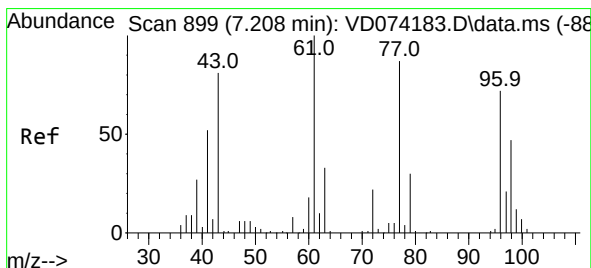
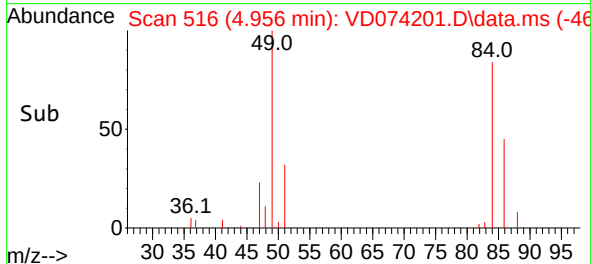
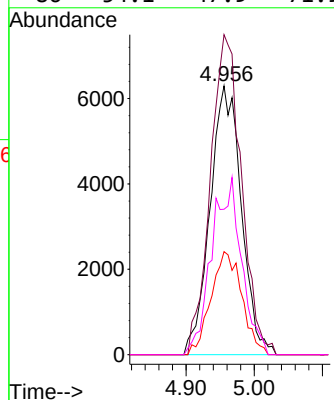
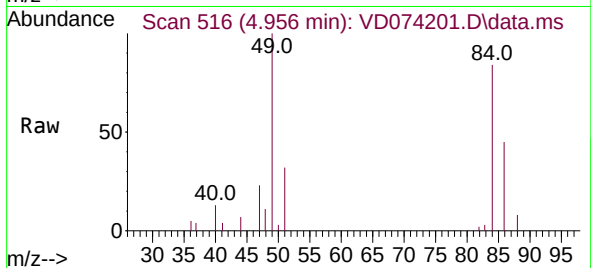




#20
Methylene Chloride
Concen: 11.476 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.001 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

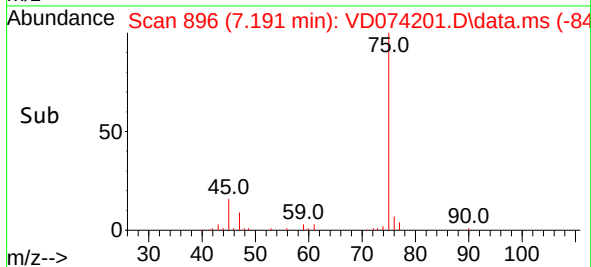
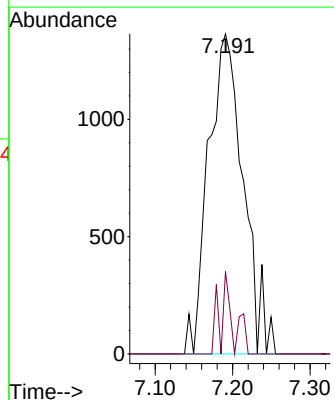
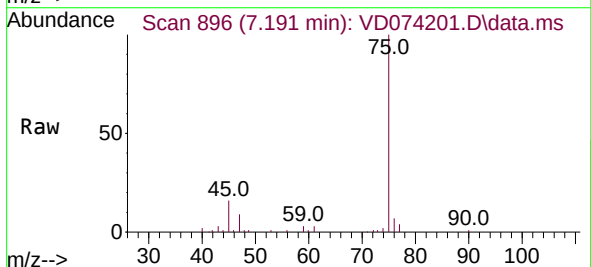
Instrument :
MSVOA_D
ClientSampleId :
SB08RE

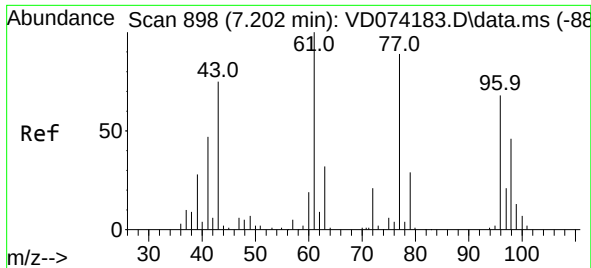
Tgt Ion: 84	Resp: 20138
Ion Ratio	Lower Upper
84 100	
49 119.0	112.8 169.2
51 38.3	32.6 48.8
86 54.1	47.9 71.9



#25
2-Butanone
Concen: 13.871 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.017 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

Tgt Ion: 43	Resp: 4250		
Ion Ratio	Lower	Upper	
43 100			
72 25.7	18.6	27.8	

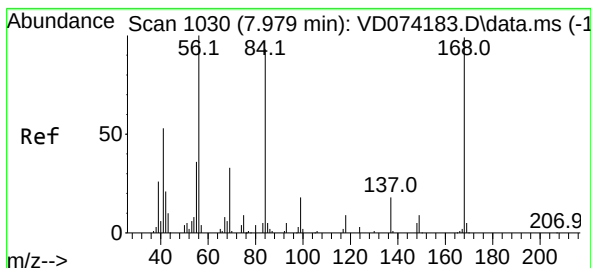
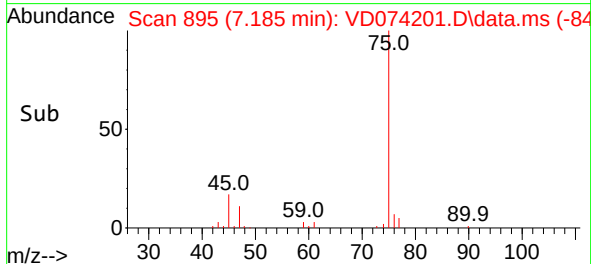
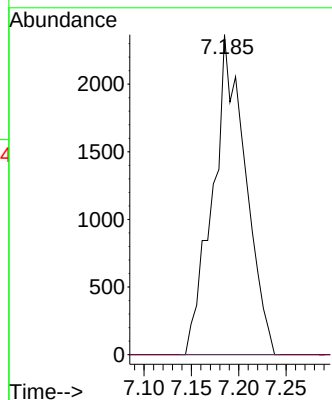
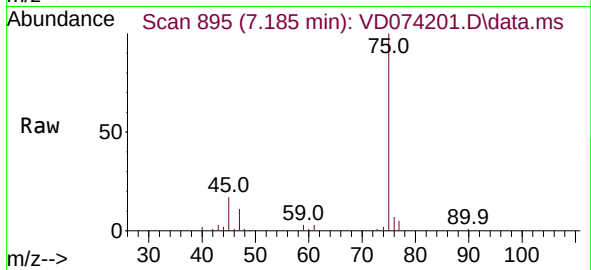




#26
2,2-Dichloropropane
Concen: 2.982 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.017 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

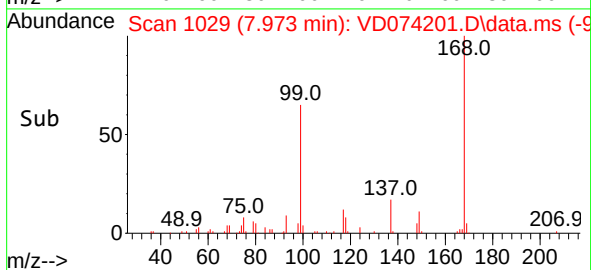
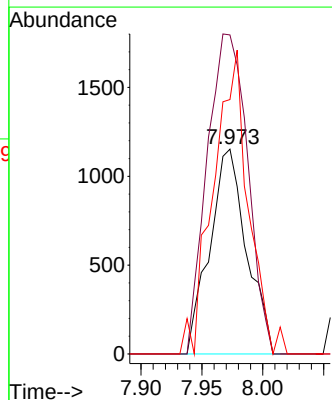
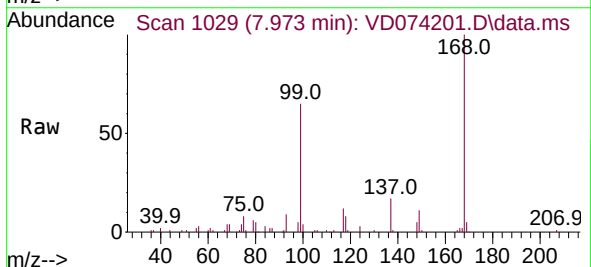
Instrument :
MSVOA_D
ClientSampleId :
SB08RE

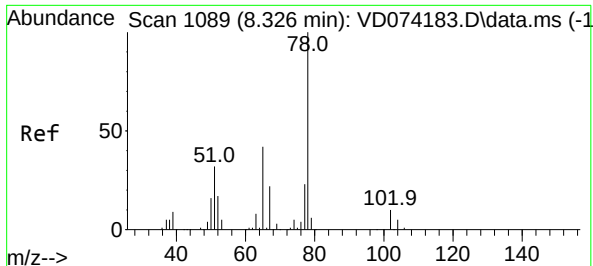
Tgt Ion: 77 Resp: 5705
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#



#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

Tgt Ion: 56 Resp: 2433
Ion Ratio Lower Upper
56 100
69 155.8 25.4 38.2#
84 124.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 76.864 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD074201.D

Acq: 24 Aug 2022 00:33

Instrument :

MSVOA_D

ClientSampleId :

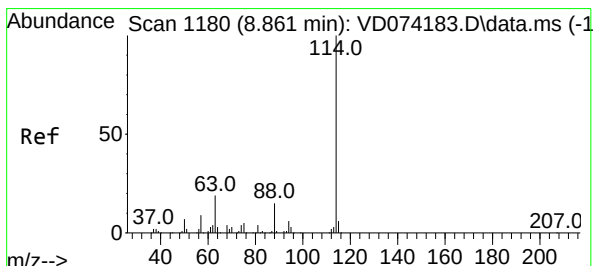
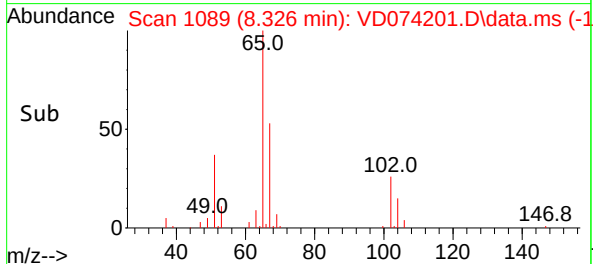
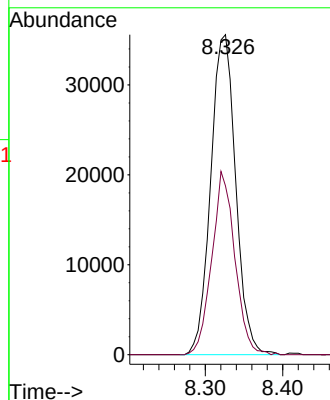
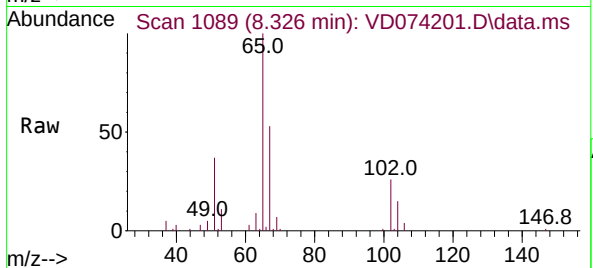
SB08RE

Tgt Ion: 65 Resp: 79852

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD074201.D

Acq: 24 Aug 2022 00:33

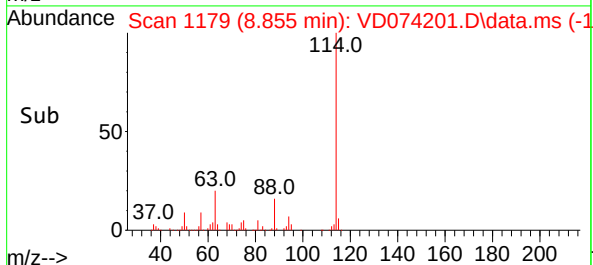
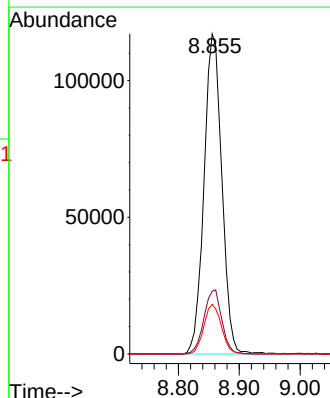
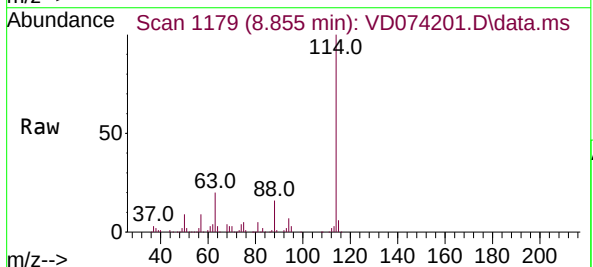
Tgt Ion: 114 Resp: 238438

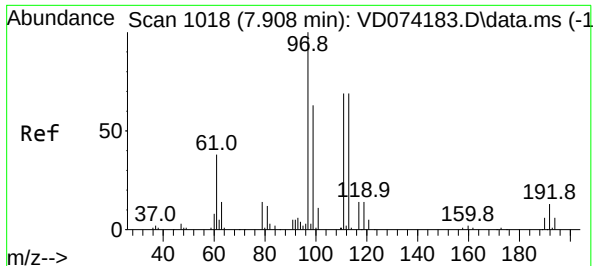
Ion Ratio Lower Upper

114 100

63 19.6 0.0 46.6

88 15.5 0.0 33.2

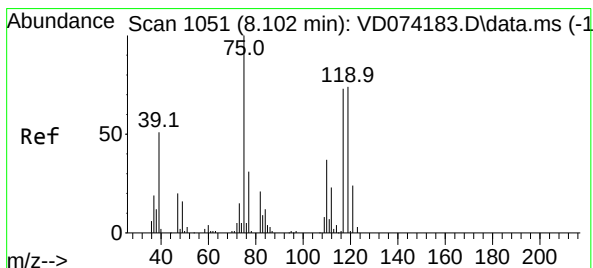
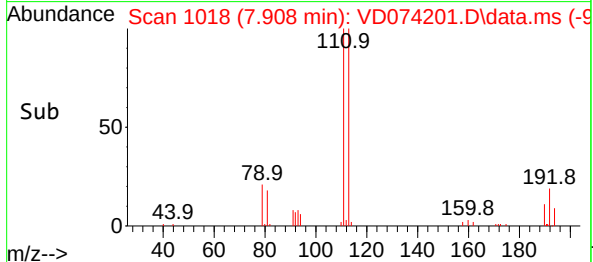
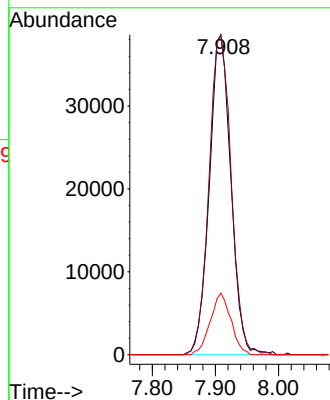
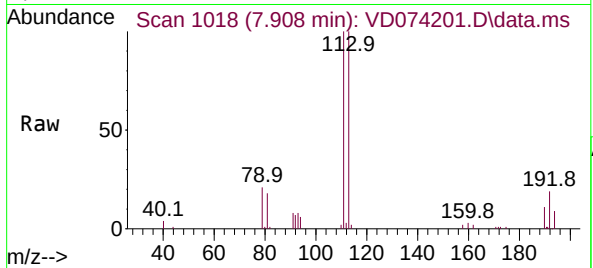




#35
Dibromofluoromethane
Concen: 57.290 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

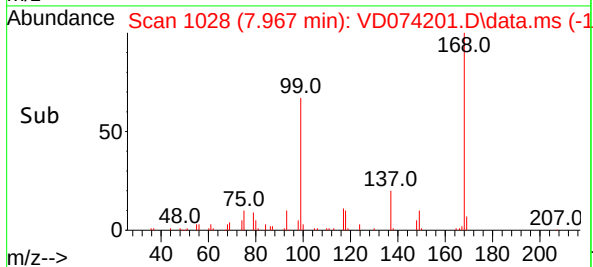
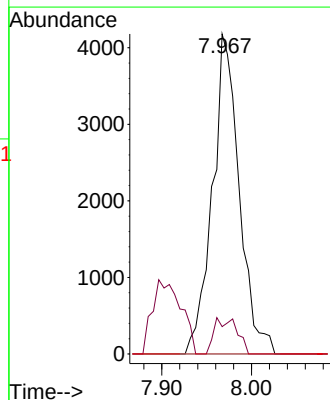
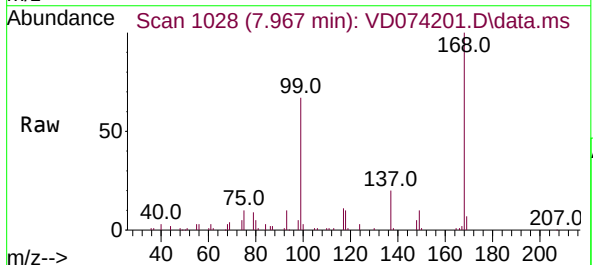
Instrument :
MSVOA_D
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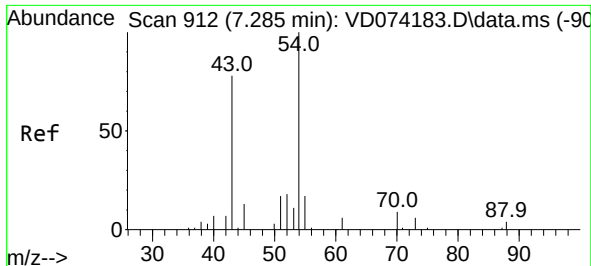
Tgt Ion:113 Resp: 91370
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.6
192 18.5 14.6 21.8



#36
1,1-Dichloropropene
Concen: 3.590 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.135 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

Tgt Ion: 75 Resp: 8654
Ion Ratio Lower Upper
75 100
110 9.5 16.4 49.1#
77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 4.472 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.094 min

Lab File: VD074201.D

Acq: 24 Aug 2022 00:33

Instrument :

MSVOA_D

ClientSampleId :

SB08RE

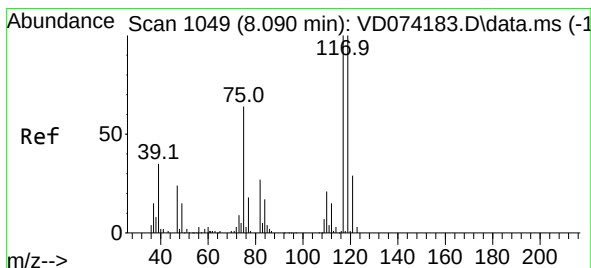
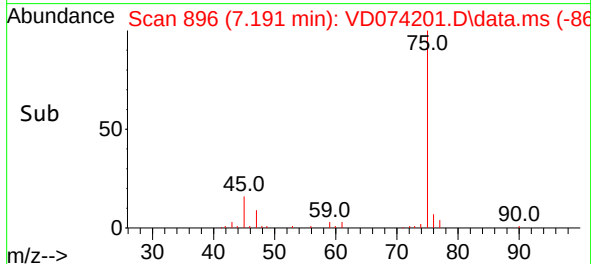
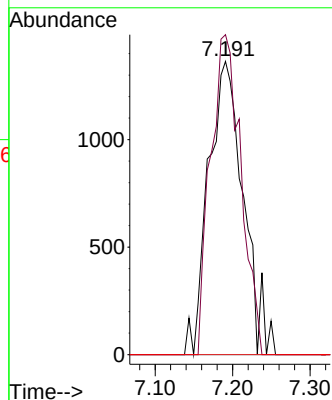
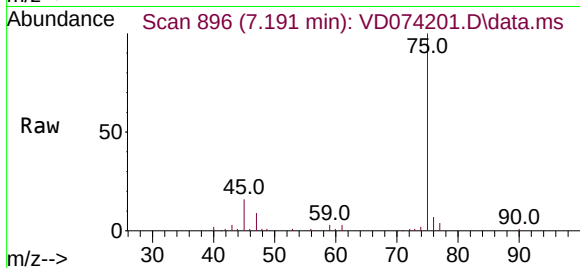
Tgt Ion: 43 Resp: 4250

Ion Ratio Lower Upper

43 100

61 95.5 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 4.563 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.117 min

Lab File: VD074201.D

Acq: 24 Aug 2022 00:33

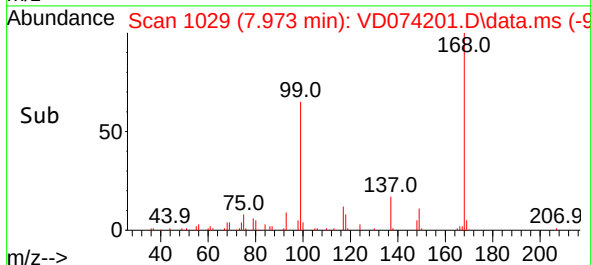
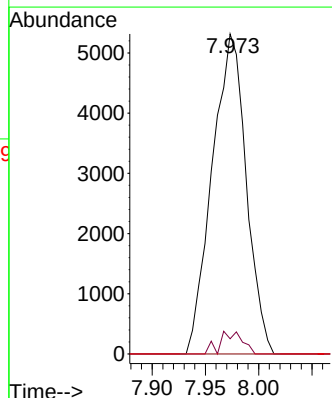
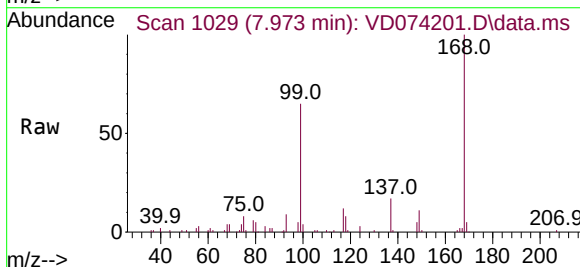
Tgt Ion: 117 Resp: 11815

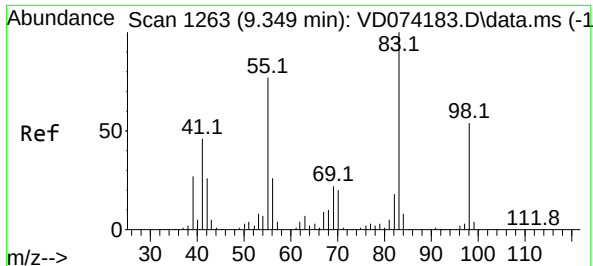
Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.240 ug/l

RT: 9.332 min Scan# 1260

Delta R.T. -0.017 min

Lab File: VD074201.D

Acq: 24 Aug 2022 00:33

Instrument :

MSVOA_D

ClientSampleId :

SB08RE

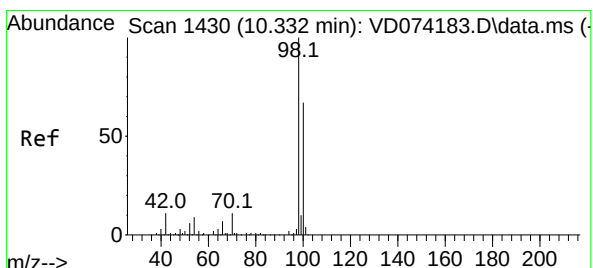
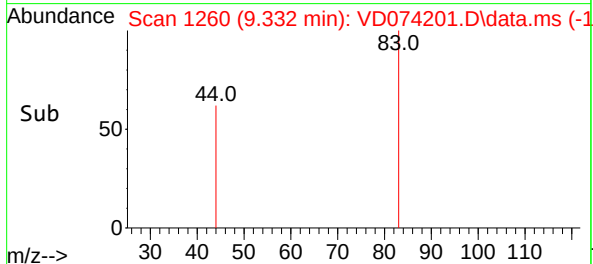
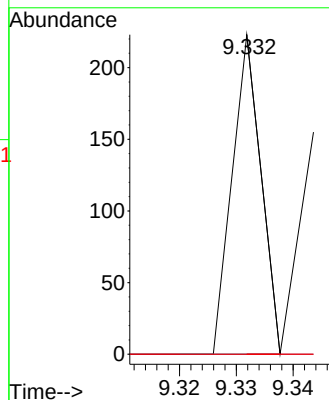
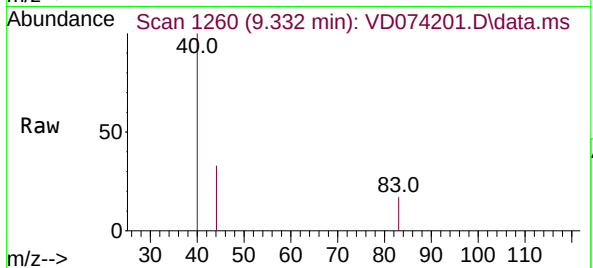
Tgt Ion: 83 Resp: 79

Ion Ratio Lower Upper

83 100

55 0.0 63.2 94.8#

98 0.0 38.2 57.4#



#50

Toluene-d8

Concen: 57.960 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD074201.D

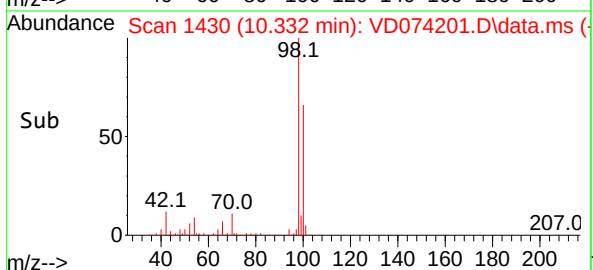
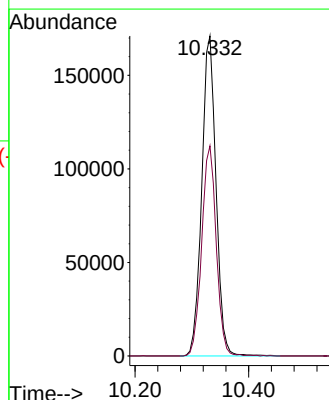
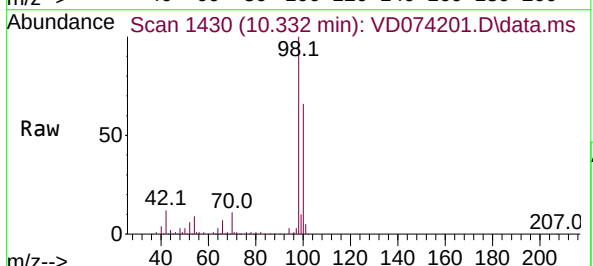
Acq: 24 Aug 2022 00:33

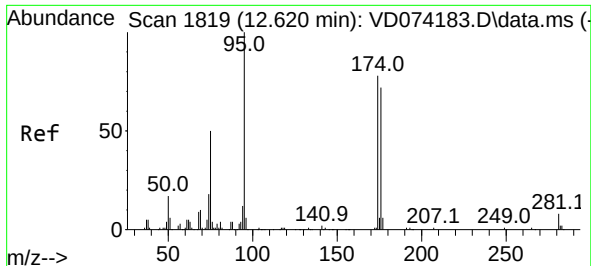
Tgt Ion: 98 Resp: 297507

Ion Ratio Lower Upper

98 100

100 66.9 52.4 78.6

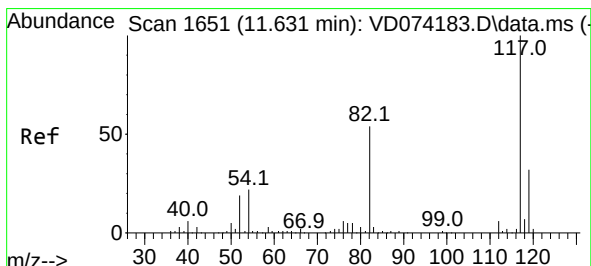
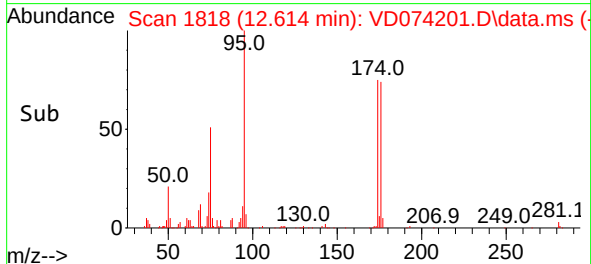
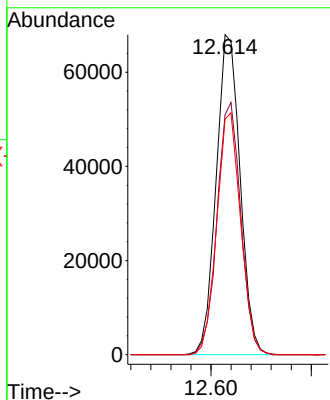
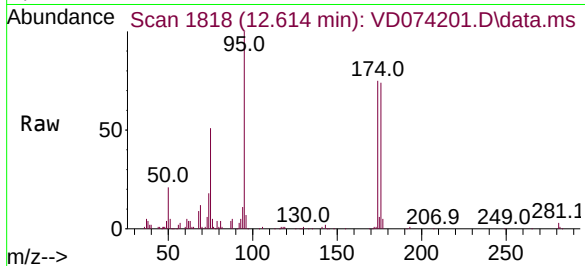




#62
4-Bromofluorobenzene
Concen: 55.519 ug/l
RT: 12.614 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

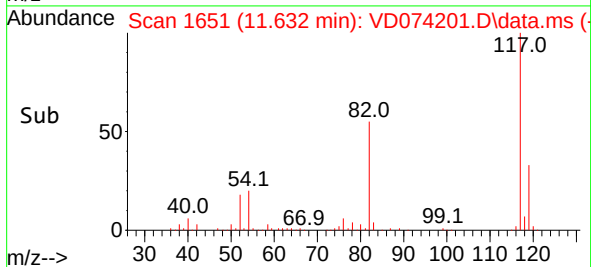
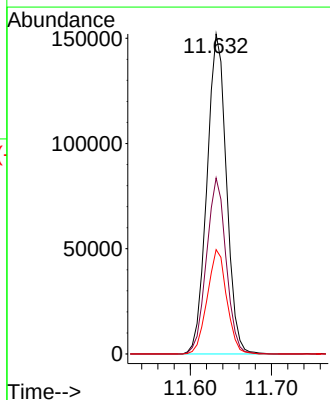
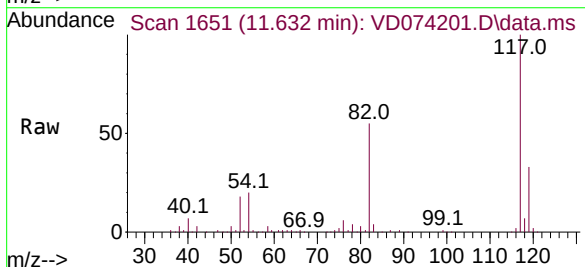
Instrument :
MSVOA_D
ClientSampleId :
SB08RE

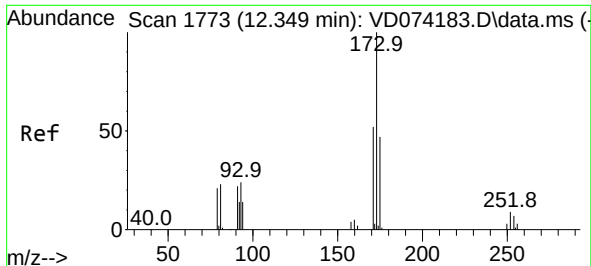
Tgt Ion: 95 Resp: 112582
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.8
176 75.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.001 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

Tgt Ion: 117 Resp: 253502
Ion Ratio Lower Upper
117 100
82 55.0 45.3 67.9
119 32.6 26.6 40.0

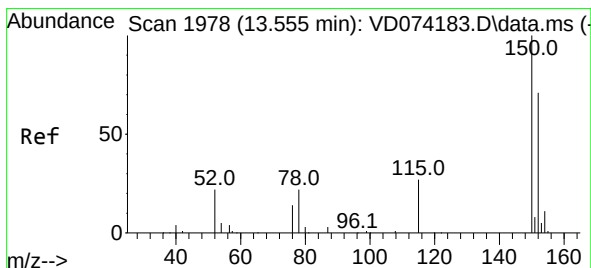
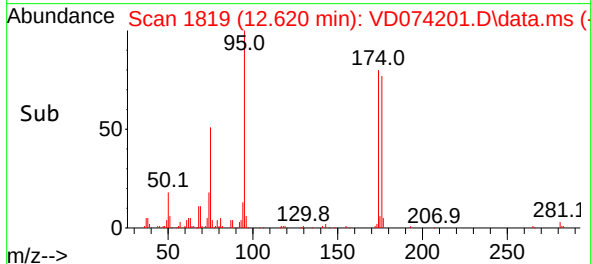
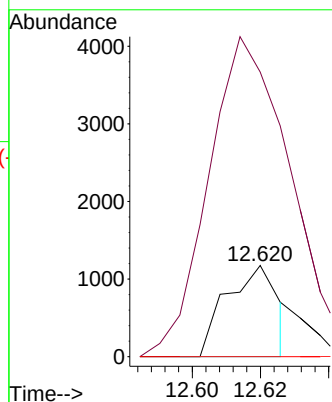
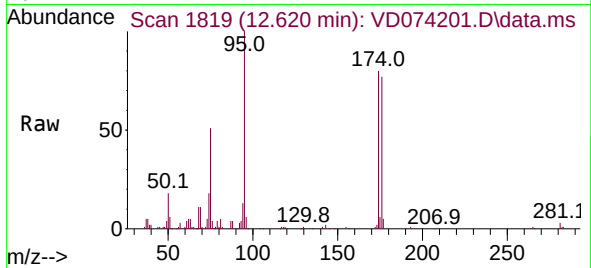




#71
Bromoform
Concen: 1.098 ug/l
RT: 12.620 min Scan# 1773
Delta R.T. 0.271 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

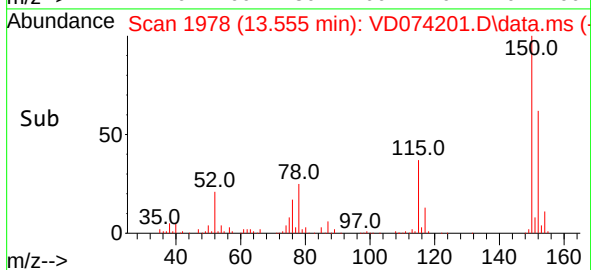
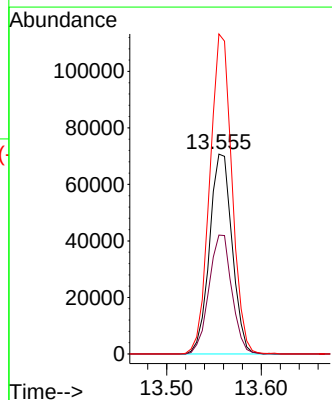
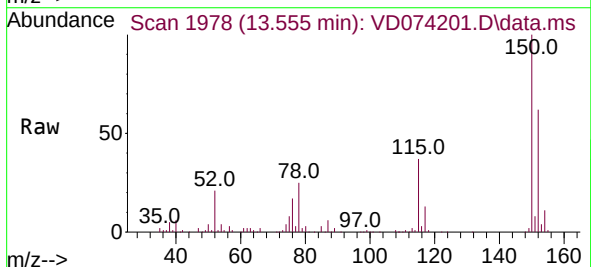
Instrument :
MSVOA_D
ClientSampleId :
SB08RE

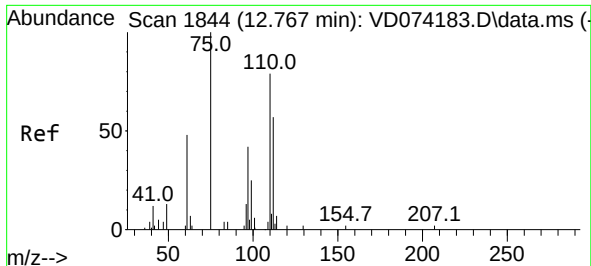
Tgt Ion:173 Resp: 1240
Ion Ratio Lower Upper
173 100
175 464.9 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. 0.000 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

Tgt Ion:152 Resp: 117587
Ion Ratio Lower Upper
152 100
115 60.0 31.3 93.8
150 156.7 0.0 348.6

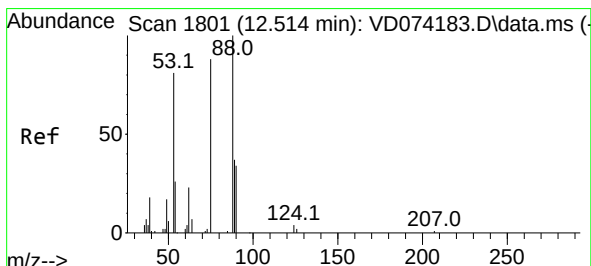
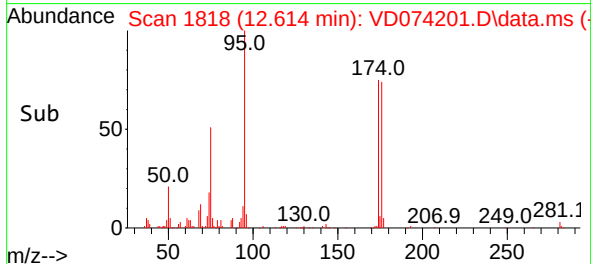
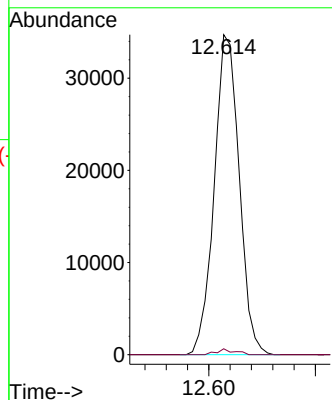
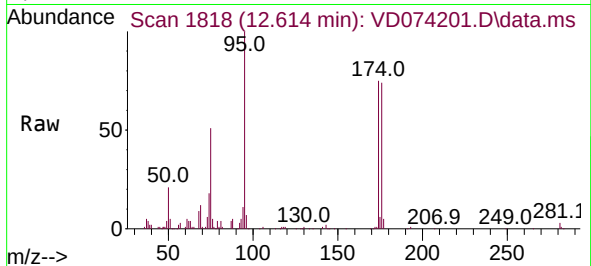




#76
1,2,3-Trichloropropane
Concen: 49.142 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

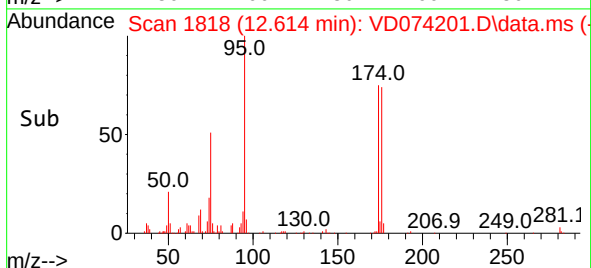
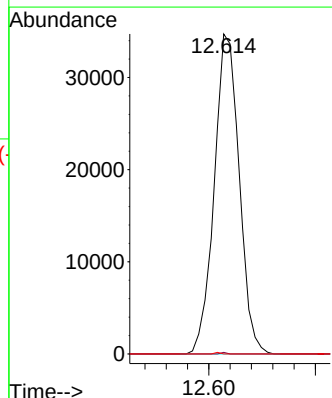
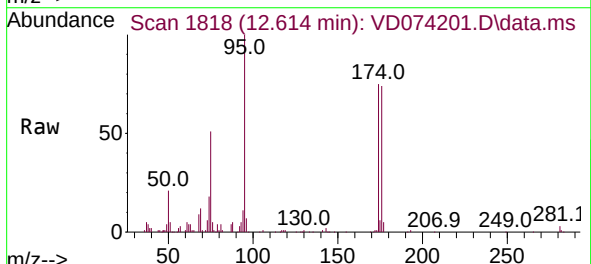
Instrument :
MSVOA_D
ClientSampleId :
SB08RE

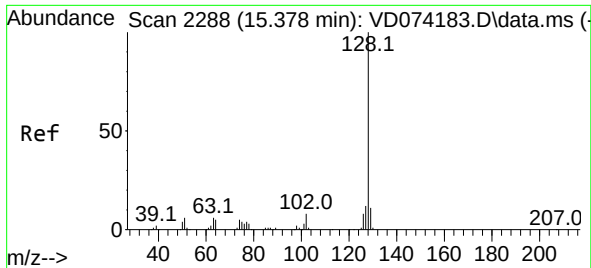
Tgt Ion: 75 Resp: 56422
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.375 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD074201.D
Acq: 24 Aug 2022 00:33

Tgt Ion: 75 Resp: 56422
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#





#95
 Naphthalene
 Concen: 3.466 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: VD074201.D
 Acq: 24 Aug 2022 00:33

Instrument :
 MSVOA_D
 ClientSampleId :
 SB08RE

Tgt Ion:	128	Resp:	182
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

