

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073310.D
 Acq On : 24 May 2022 05:19
 Operator : VA/SY
 Sample : N2949-12
 Misc : 6.12G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS001-0612-01

Quant Time: May 24 08:17:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

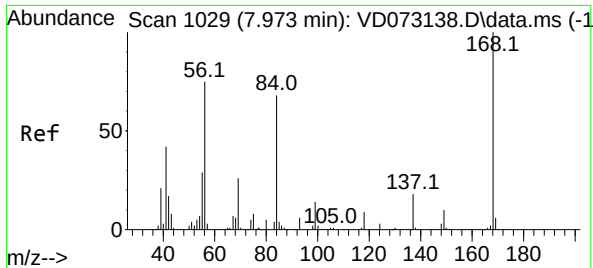
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	274373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	511322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	538560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	266645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	168118	55.444	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.880%			
35) Dibromofluoromethane	7.908	113	173638	51.463	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.920%			
50) Toluene-d8	10.332	98	626039	50.335	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.660%			
62) 4-Bromofluorobenzene	12.620	95	275063	63.018	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 126.040%			
Target Compounds						Qvalue
5) Bromomethane	2.767	94	368	Below Cal		89
11) Tert butyl alcohol	5.179	59	16970	36.072 ug/l #		74
16) Acetone	4.162	43	7671	14.606 ug/l		92
20) Methylene Chloride	4.956	84	19401	1.990 ug/l		90
25) 2-Butanone	7.185	43	2683	3.492 ug/l #		52
29) Tetrahydrofuran	7.555	42	1189	2.393 ug/l #		76
31) Cyclohexane	7.973	56	6888	1.300 ug/l #		1
36) 1,1-Dichloropropene	7.973	75	23202	4.572 ug/l #		52
37) Ethyl Acetate	7.185	43	2683	1.339 ug/l #		1
38) Carbon Tetrachloride	7.973	117	30539	5.937 ug/l #		16
43) Isopropyl Acetate	8.291	43	5656	1.527 ug/l #		32
74) N-amyl acetate	12.243	43	5134	1.238 ug/l #		57
76) 1,2,3-Trichloropropane	12.620	75	138232	52.836 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	138232	126.843 ug/l #		7

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

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Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration

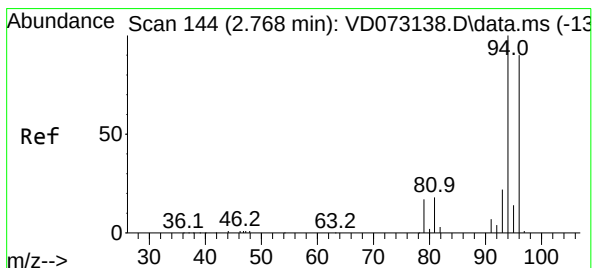
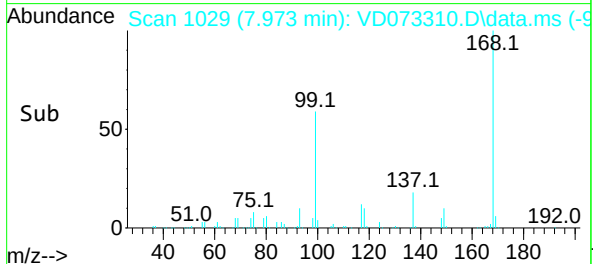
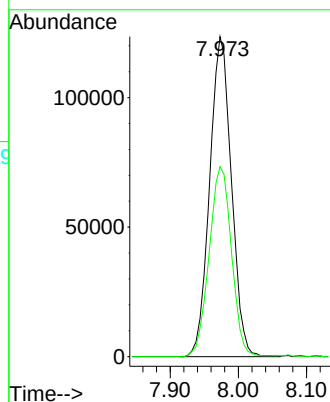
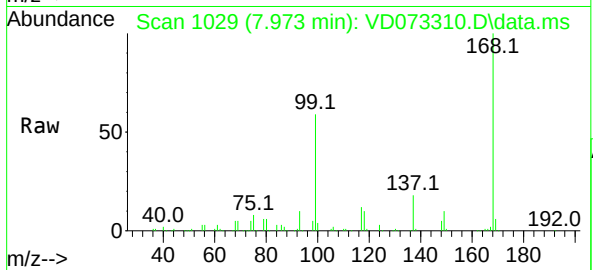




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

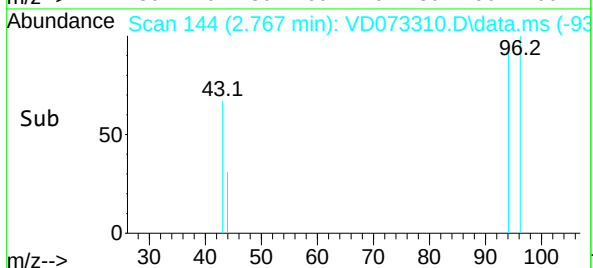
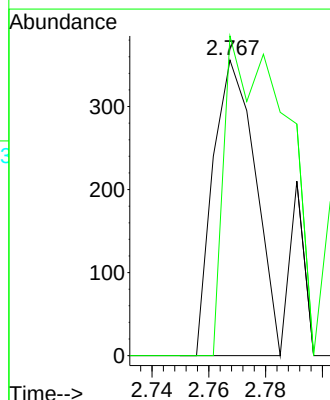
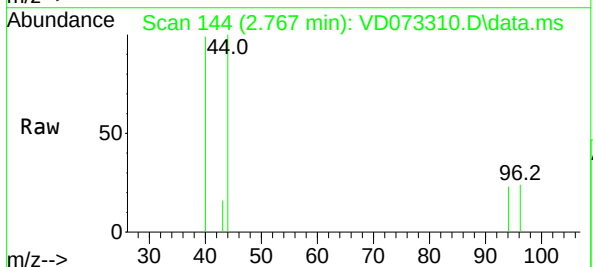
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-0612-01

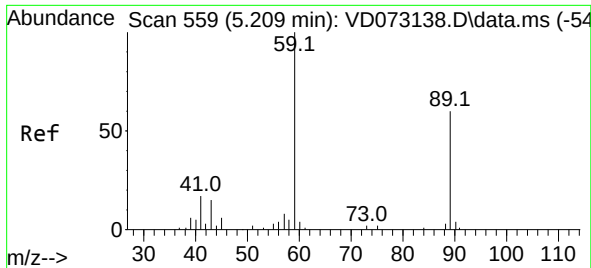
Tgt Ion:168 Resp: 274373
Ion Ratio Lower Upper
168 100
99 59.4 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. -0.001 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

Tgt Ion: 94 Resp: 368
Ion Ratio Lower Upper
94 100
96 108.1 77.6 116.4

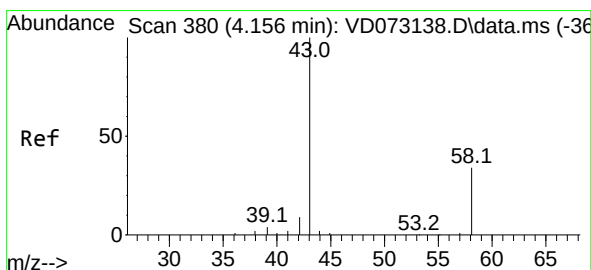
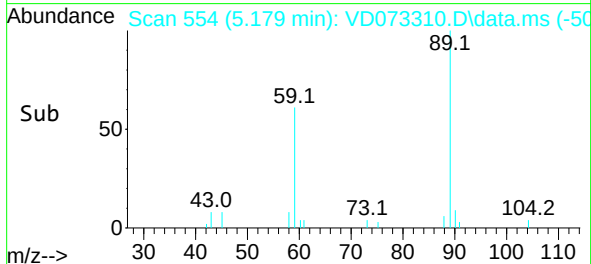
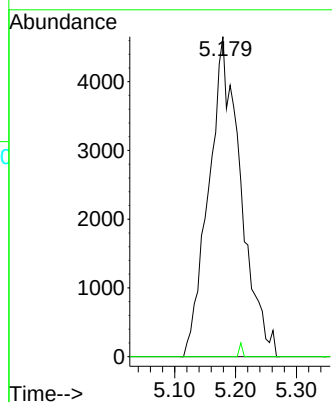
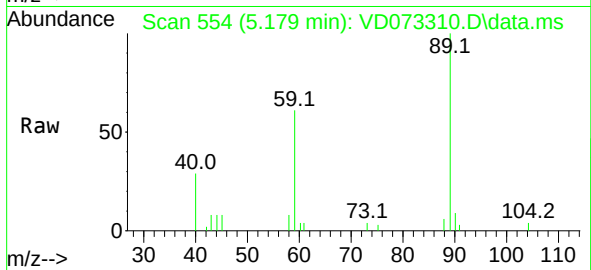




#11
Tert butyl alcohol
Concen: 36.072 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

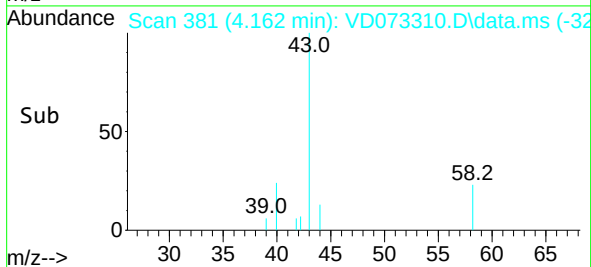
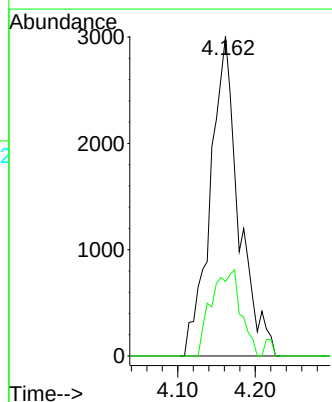
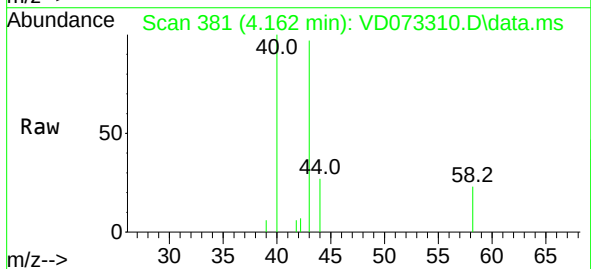
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-0612-01

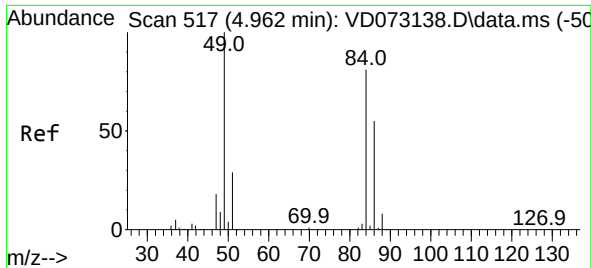
Tgt Ion: 59 Resp: 16970
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 14.606 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

Tgt Ion: 43 Resp: 7671
Ion Ratio Lower Upper
43 100
58 23.3 22.1 33.1

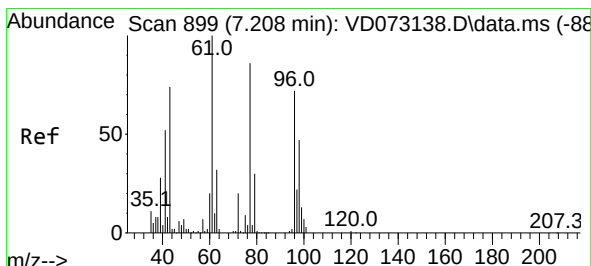
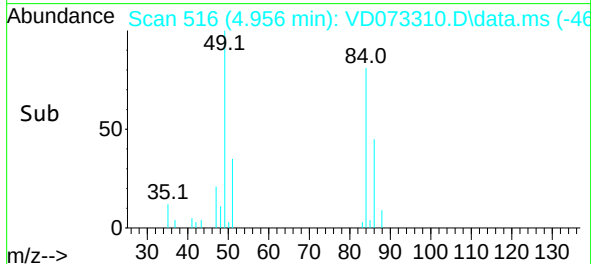
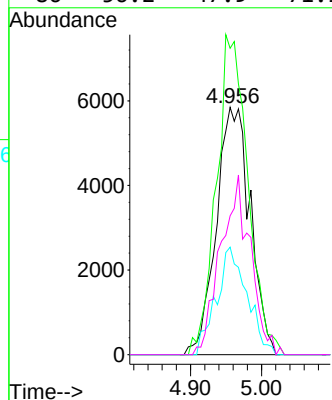
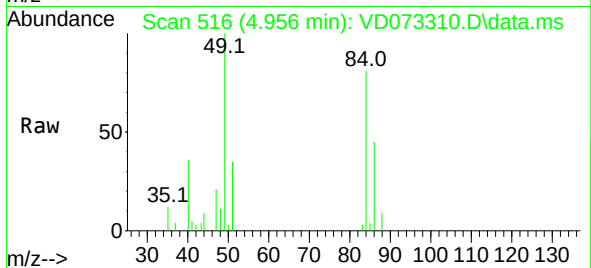




#20
Methylene Chloride
Concen: 1.990 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

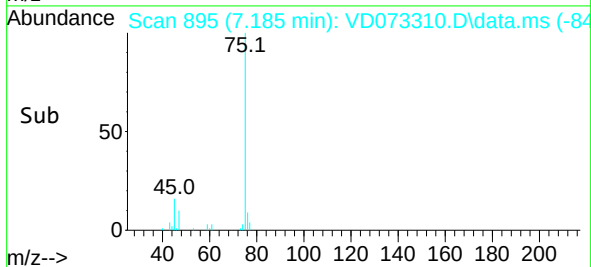
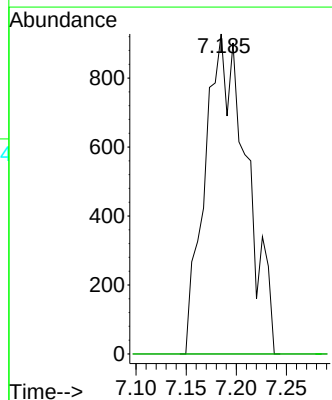
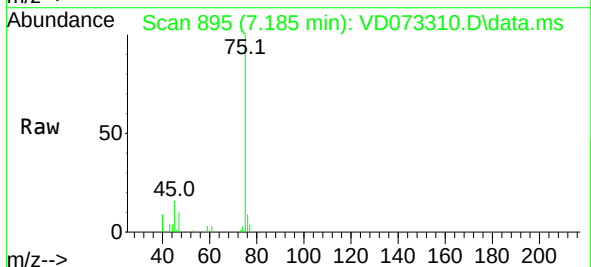
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-0612-01

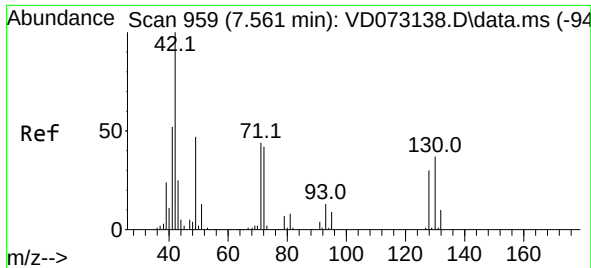
Tgt Ion:	84	Resp:	19401
Ion	Ratio	Lower	Upper
84	100		
49	123.9	112.8	169.2
51	43.4	32.6	48.8
86	56.2	47.9	71.9



#25
2-Butanone
Concen: 3.492 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.023 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

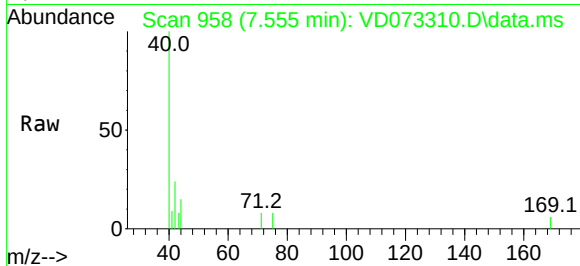
Tgt Ion:	43	Resp:	2683
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#



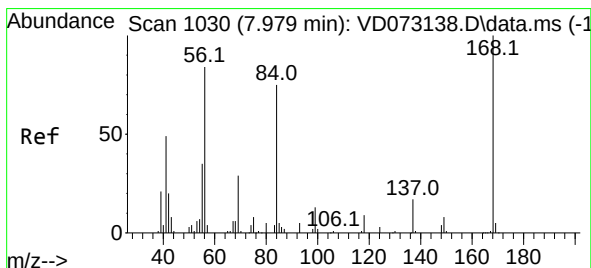
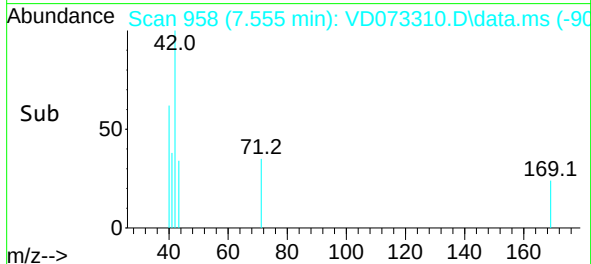
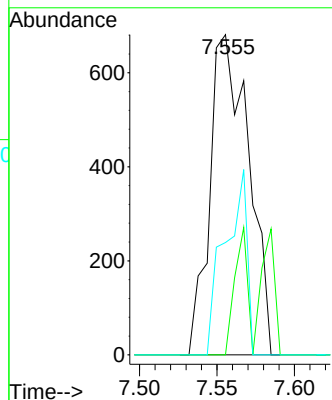


#29
Tetrahydrofuran
Concen: 2.393 ug/l
RT: 7.555 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-0612-01

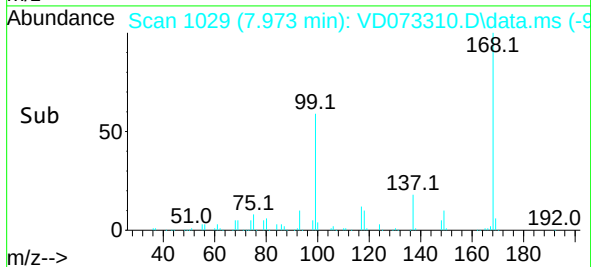
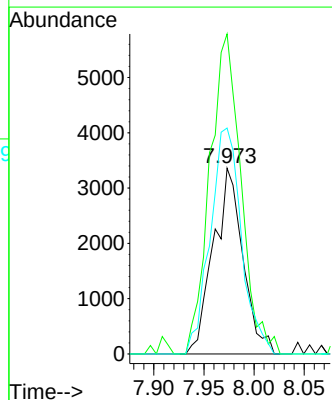
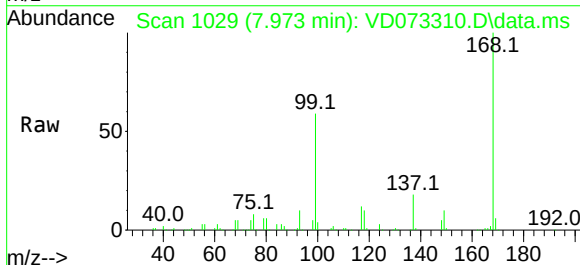


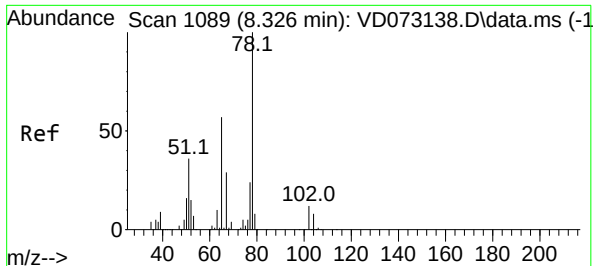
Tgt Ion: 42 Resp: 1189
Ion Ratio Lower Upper
42 100
72 13.0 30.7 46.1#
71 33.1 28.6 43.0



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

Tgt Ion: 56 Resp: 6888
Ion Ratio Lower Upper
56 100
69 172.2 25.4 38.2#
84 121.6 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 55.444 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073310.D

Acq: 24 May 2022 05:19

Instrument :

MSVOA_D

ClientSampleId :

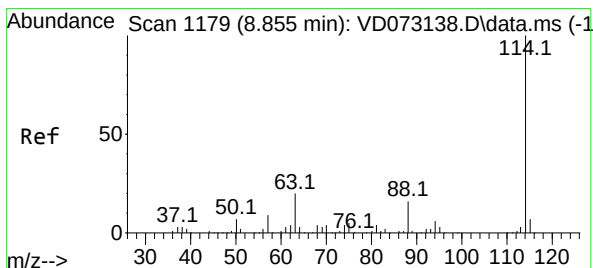
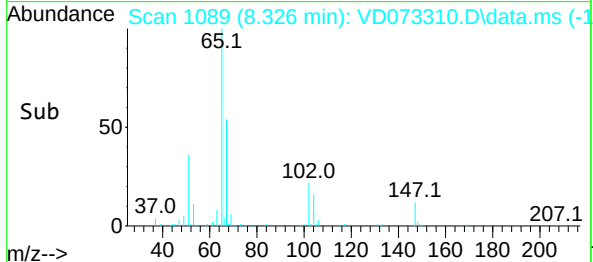
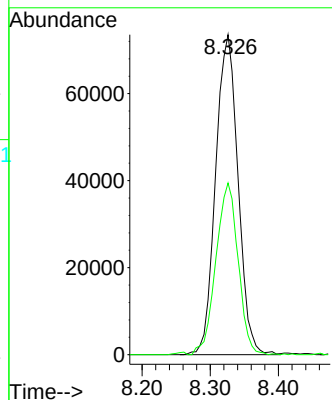
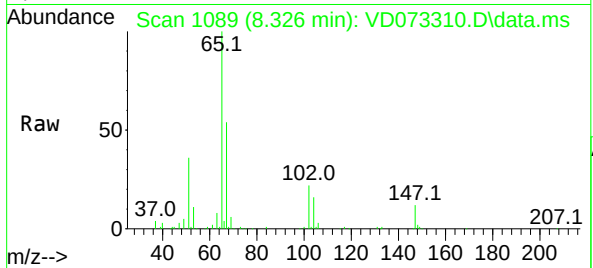
P044-SS001-0612-01

Tgt Ion: 65 Resp: 168118

Ion Ratio Lower Upper

65 100

67 53.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073310.D

Acq: 24 May 2022 05:19

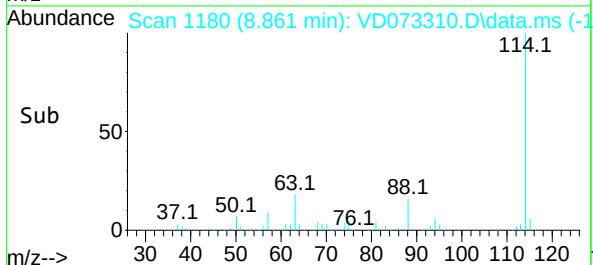
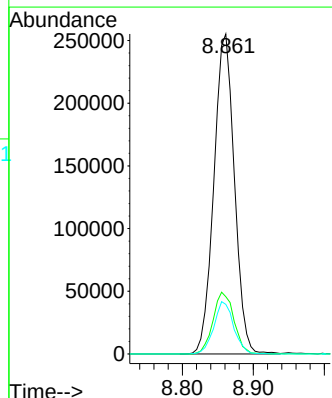
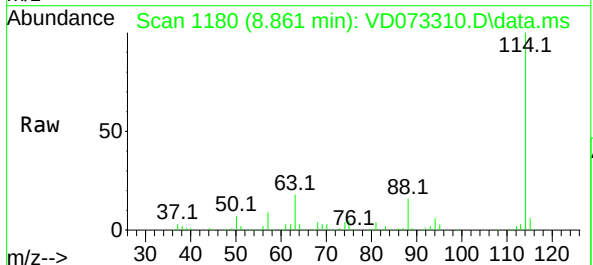
Tgt Ion: 114 Resp: 511322

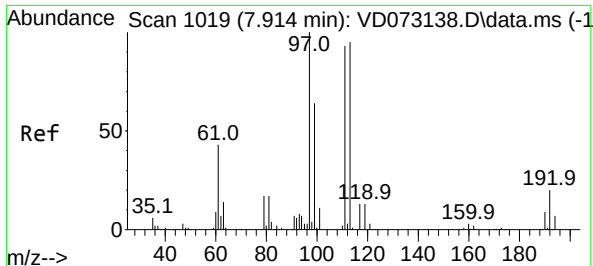
Ion Ratio Lower Upper

114 100

63 17.9 0.0 46.6

88 15.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.463 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073310.D

Acq: 24 May 2022 05:19

Instrument :

MSVOA_D

ClientSampleId :

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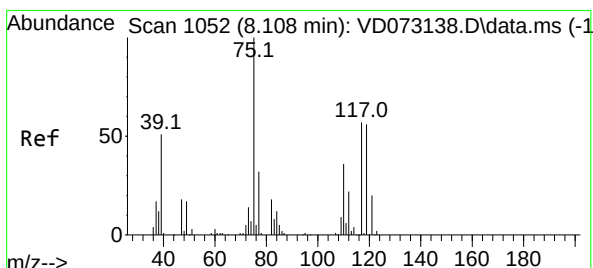
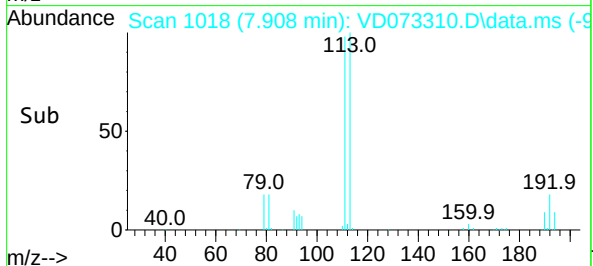
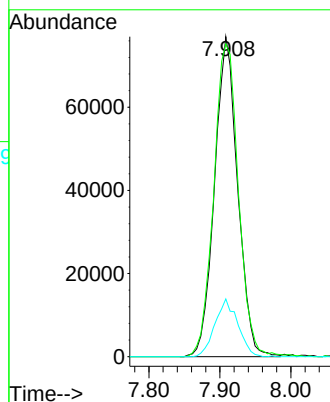
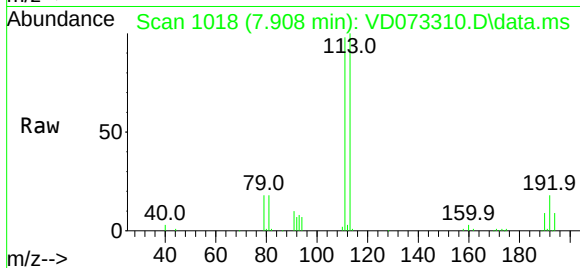
Tgt Ion:113 Resp: 173638

Ion Ratio Lower Upper

113 100

111 104.8 83.8 125.6

192 17.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.572 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073310.D

Acq: 24 May 2022 05:19

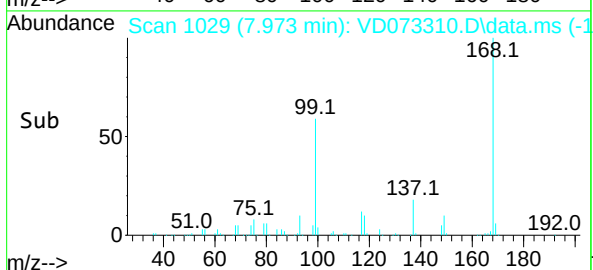
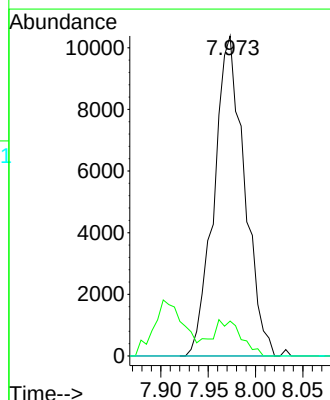
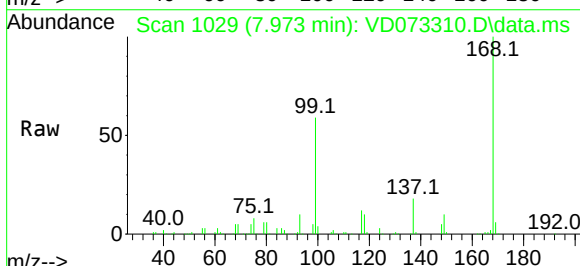
Tgt Ion: 75 Resp: 23202

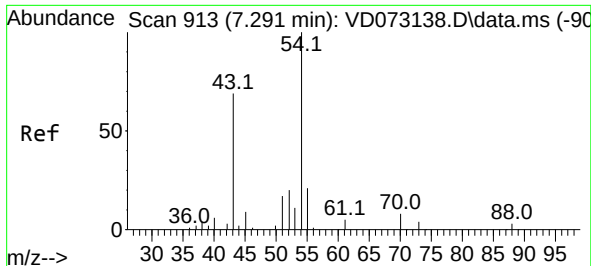
Ion Ratio Lower Upper

75 100

110 9.5 16.4 49.1#

77 0.0 24.2 36.2#

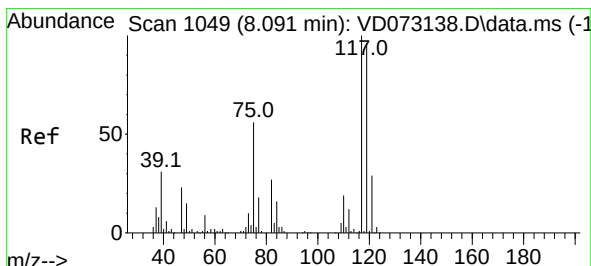
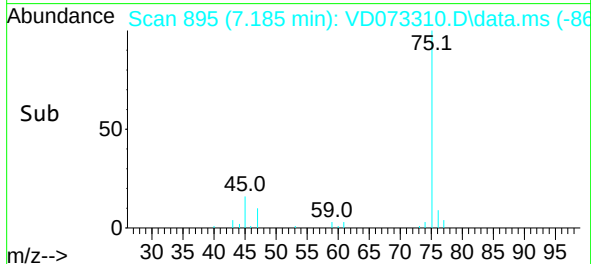
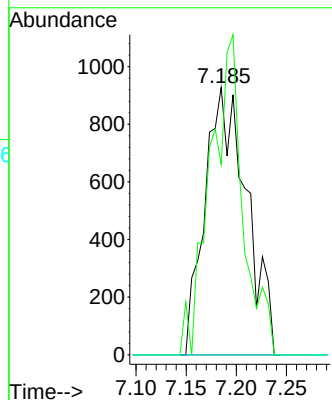
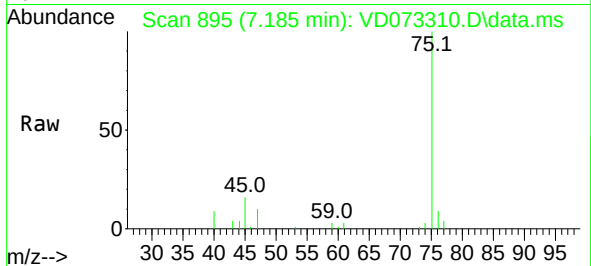




#37
Ethyl Acetate
Concen: 1.339 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.106 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

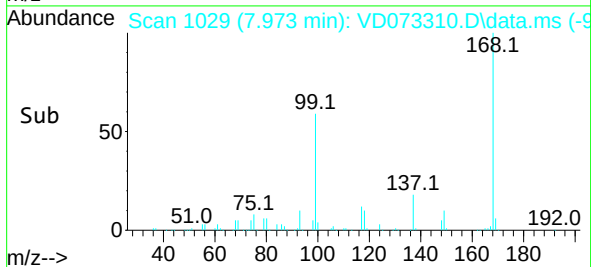
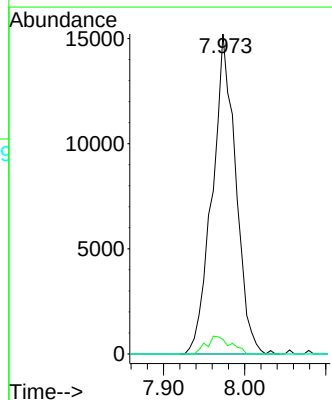
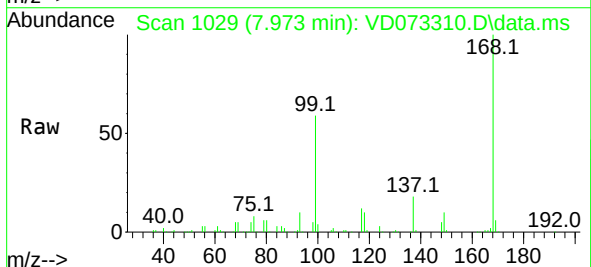
Instrument :
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P044-SS001-0612-01

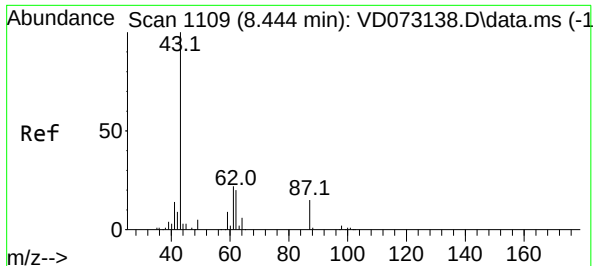
Tgt Ion: 43 Resp: 2683
Ion Ratio Lower Upper
43 100
61 93.9 9.8 14.8#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.937 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

Tgt Ion: 117 Resp: 30539
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 1.527 ug/l

RT: 8.291 min Scan# 1083

Delta R.T. -0.153 min

Lab File: VD073310.D

Acq: 24 May 2022 05:19

Instrument :

MSVOA_D

ClientSampleId :

P044-SS001-0612-01

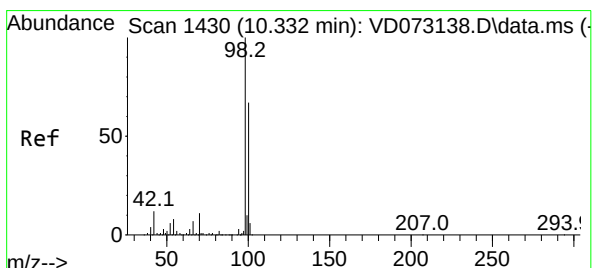
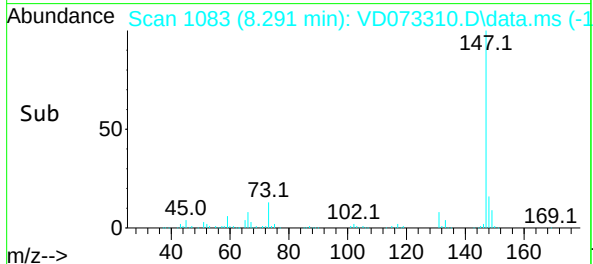
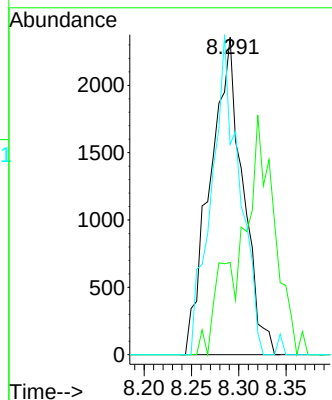
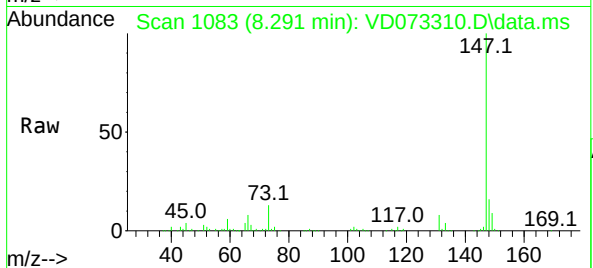
Tgt Ion: 43 Resp: 5656

Ion Ratio Lower Upper

43 100

61 18.8 22.4 33.6#

87 86.0 8.7 13.1#



#50

Toluene-d8

Concen: 50.335 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073310.D

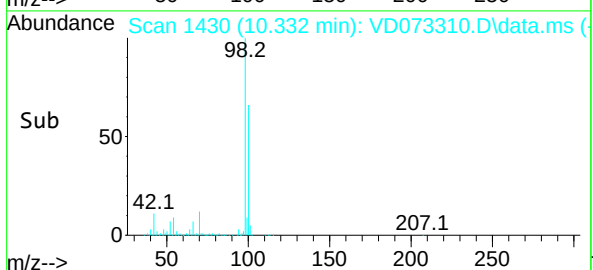
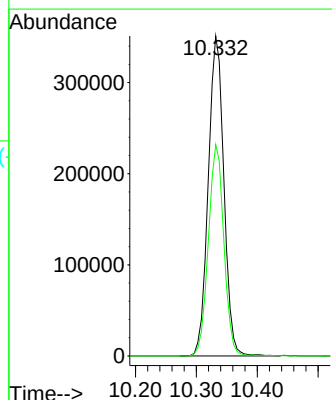
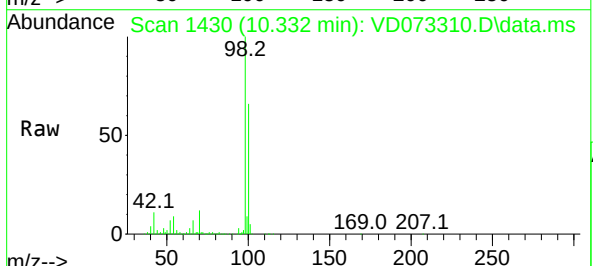
Acq: 24 May 2022 05:19

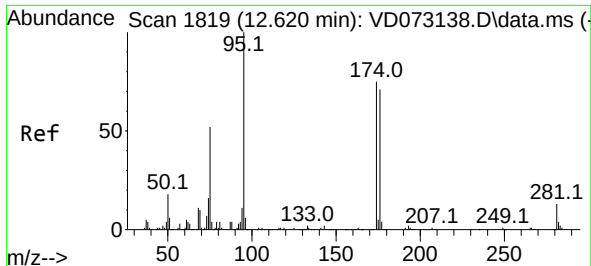
Tgt Ion: 98 Resp: 626039

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6

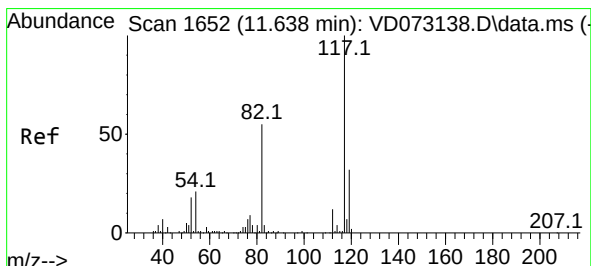
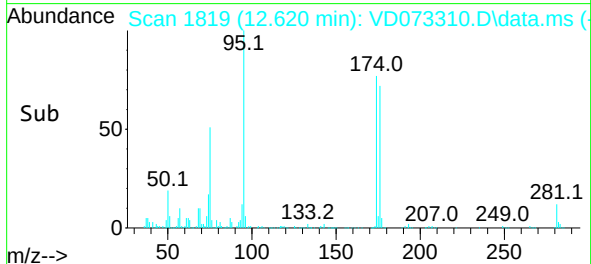
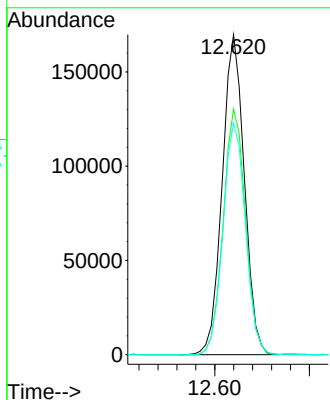
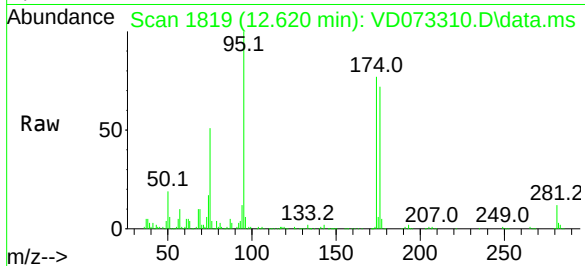




#62
4-Bromofluorobenzene
Concen: 63.018 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

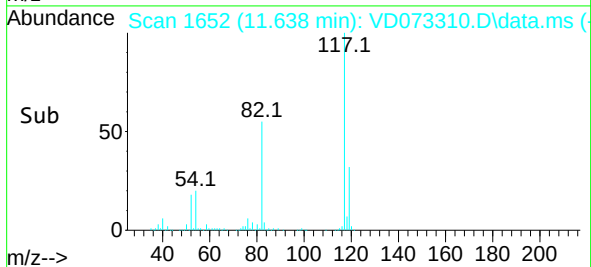
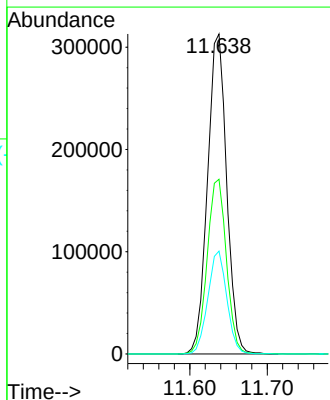
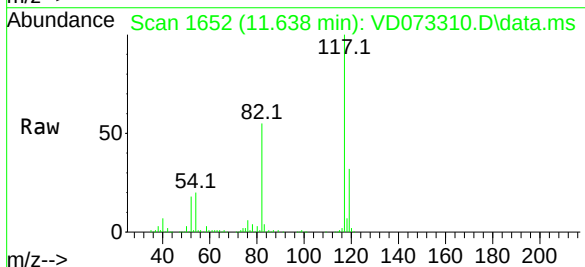
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-0612-01

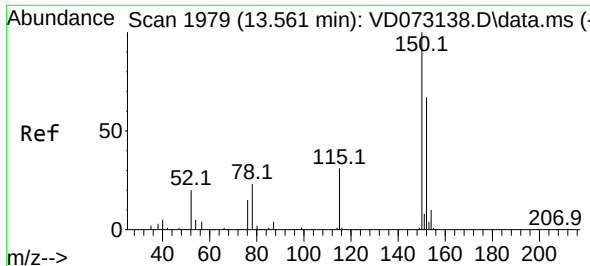
Tgt Ion:	95	Resp:	275063
Ion Ratio	Lower	Upper	
95	100		
174	77.5	0.0	152.8
176	73.6	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

Tgt Ion:	117	Resp:	538560
Ion Ratio	Lower	Upper	
117	100		
82	54.6	45.3	67.9
119	32.1	26.6	40.0

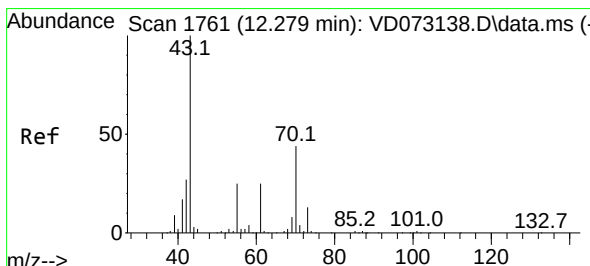
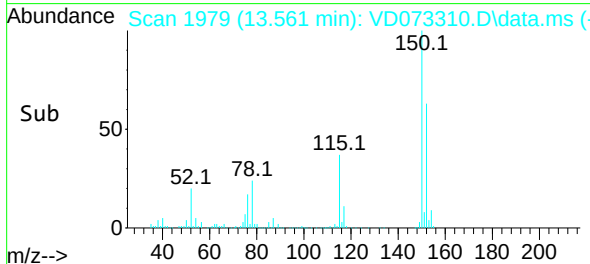
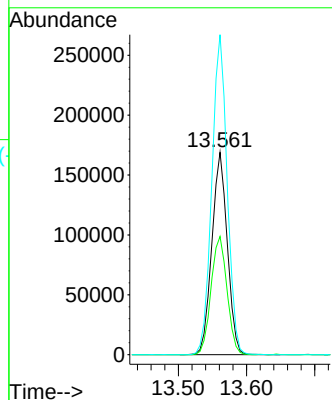
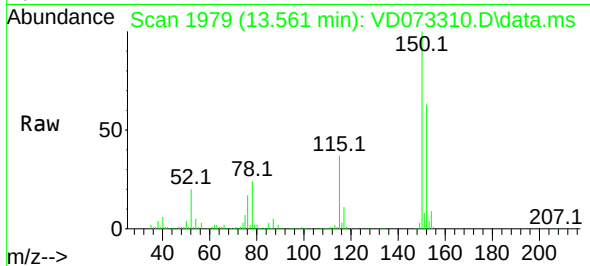




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

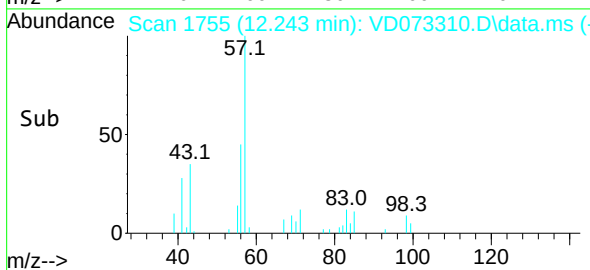
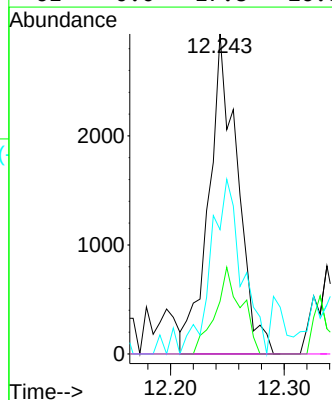
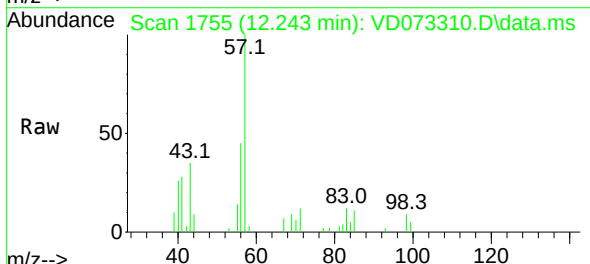
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-0612-01

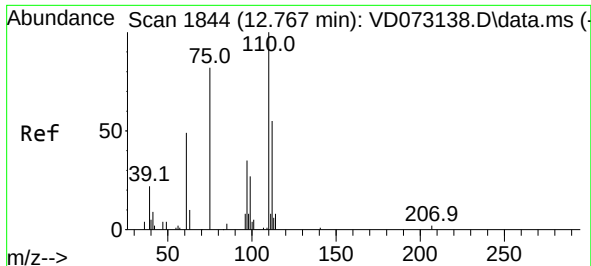
Tgt Ion:152 Resp: 266645
Ion Ratio Lower Upper
152 100
115 60.1 31.3 93.8
150 156.9 0.0 348.6



#74
N-ethyl acetate
Concen: 1.238 ug/l
RT: 12.243 min Scan# 1755
Delta R.T. -0.036 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

Tgt Ion: 43 Resp: 5134
Ion Ratio Lower Upper
43 100
70 24.6 31.3 46.9#
55 59.3 20.0 30.0#
61 0.0 17.8 26.8#

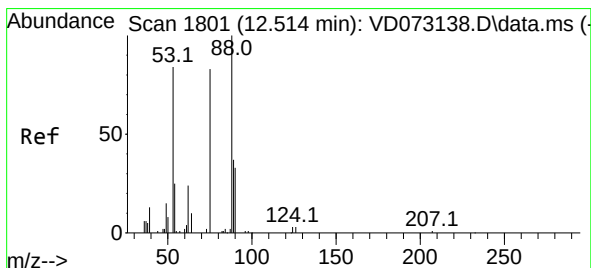
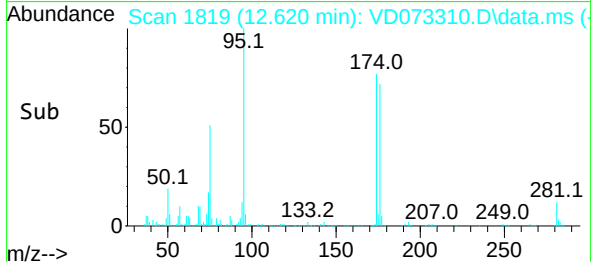
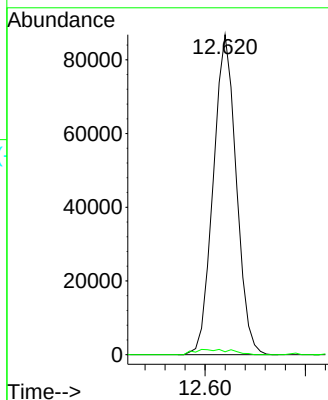
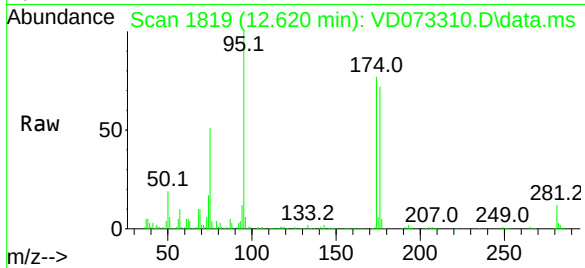




#76
1,2,3-Trichloropropane
Concen: 52.836 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-0612-01

Tgt Ion: 75 Resp: 138232
Ion Ratio Lower Upper
75 100
77 2.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.843 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073310.D
Acq: 24 May 2022 05:19

Tgt Ion: 75 Resp: 138232
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#

