

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
 Data File : VD073817.D
 Acq On : 07 Jul 2022 19:28
 Operator : VA/SY
 Sample : N3593-10
 Misc : 4.77G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20220486A-4A

Quant Time: Jul 08 06:35:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 05:39:57 2022
 Response via : Initial Calibration

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

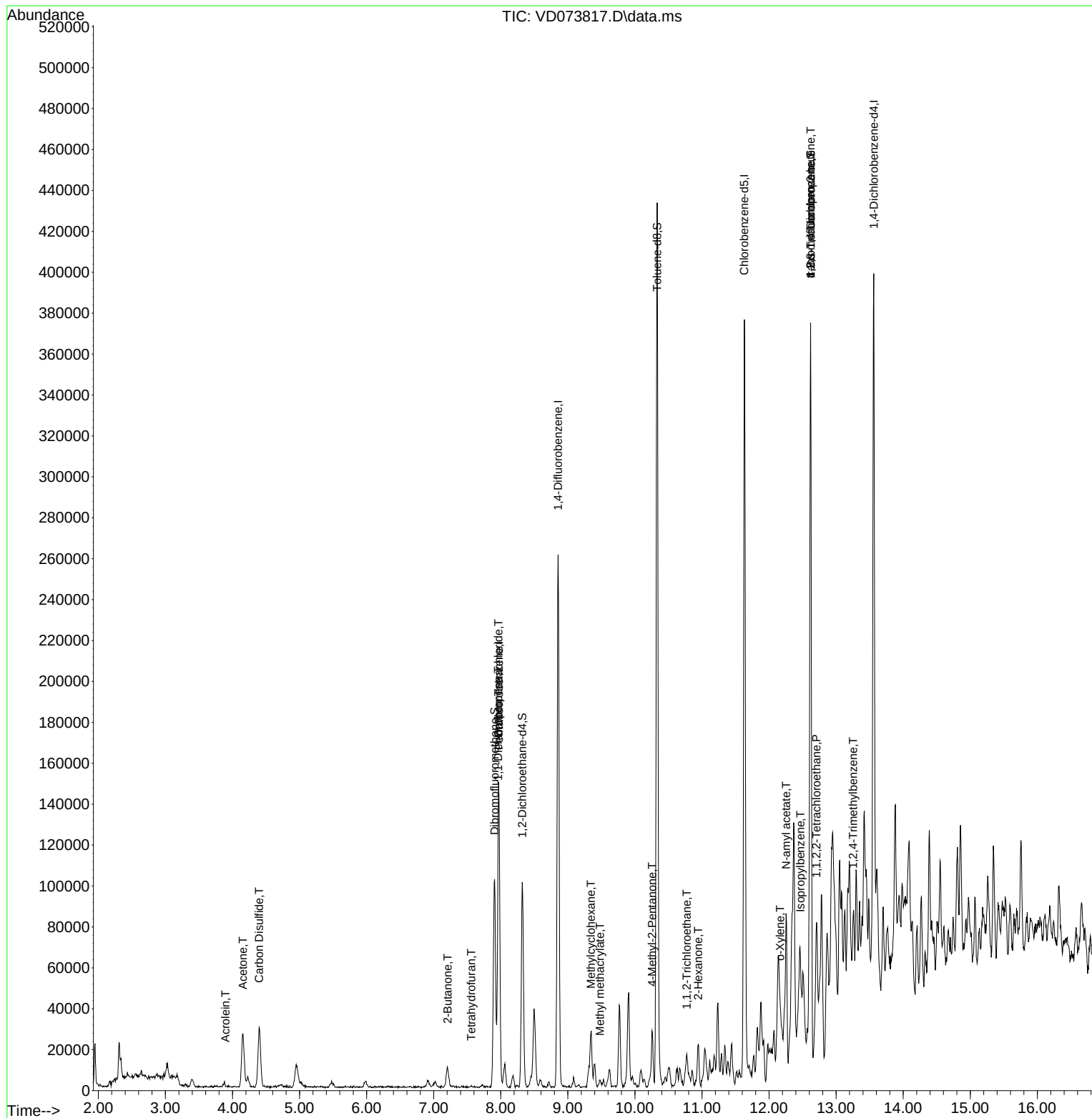
Internal Standards						
1) Pentafluorobenzene	7.973	168	94758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	212109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	194257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	84819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	78345	67.197	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.400%			
35) Dibromofluoromethane	7.908	113	72258	55.520	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.040%			
50) Toluene-d8	10.332	98	270008	61.242	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery = 122.480%#			
62) 4-Bromofluorobenzene	12.620	95	97416	53.754	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery = 107.500%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.197	50	81	Below Cal	#	40
4) Vinyl Chloride	2.338	62	526	Below Cal	#	45
5) Bromomethane	2.756	94	117	Below Cal	#	57
13) Acrolein	3.897	56	55	21.491	ug/l #	15
16) Acetone	4.156	43	47156	222.991	ug/l	95
17) Carbon Disulfide	4.397	76	58048	56.548	ug/l	97
18) Methyl Acetate	4.720	43	2526	Below Cal	#	80
20) Methylene Chloride	4.950	84	7468	Below Cal	#	93
25) 2-Butanone	7.208	43	14582	38.072	ug/l #	90
29) Tetrahydrofuran	7.561	42	328	1.451	ug/l #	47
31) Cyclohexane	7.967	56	5086	Below Cal	#	69
36) 1,1-Dichloropropene	7.961	75	9786	5.877	ug/l #	51
38) Carbon Tetrachloride	7.967	117	11688	6.174	ug/l #	15
39) Methylcyclohexane	9.344	83	7133	4.149	ug/l #	90
48) Methyl methacrylate	9.479	41	1323	1.451	ug/l #	31
51) 4-Methyl-2-Pentanone	10.255	43	4038	3.864	ug/l #	69
55) 1,1,2-Trichloroethane	10.773	97	2949	2.595	ug/l #	43
59) 2-Hexanone	10.943	43	8669	12.437	ug/l #	27
69) o-Xylene	12.167	106	4768	1.946	ug/l	94
73) Isopropylbenzene	12.467	105	9133	1.399	ug/l	100
74) N-amyl acetate	12.255	43	22002	11.941	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.708	83	4504	3.320	ug/l #	58
76) 1,2,3-Trichloropropane	12.620	75	54215	58.707	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	54215	131.157	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.255	105	17651	3.268	ug/l	96

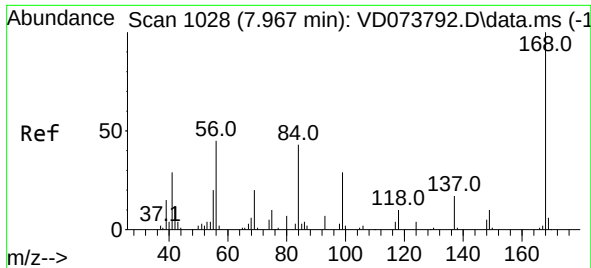
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 08 05:39:57 2022
Response via : Initial Calibration

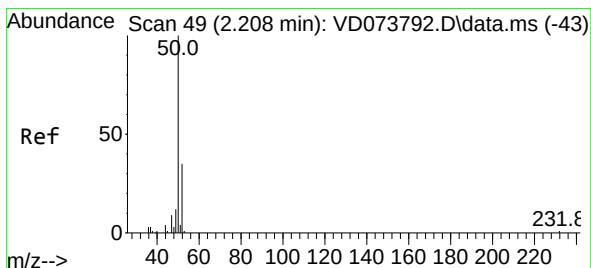
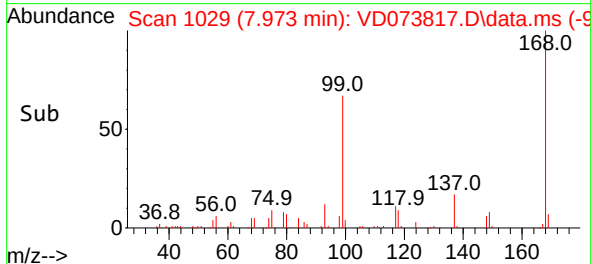
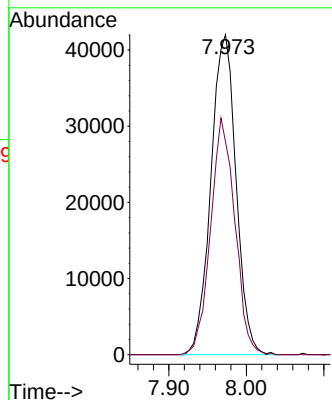
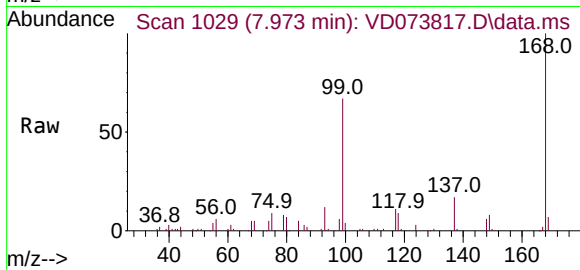




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

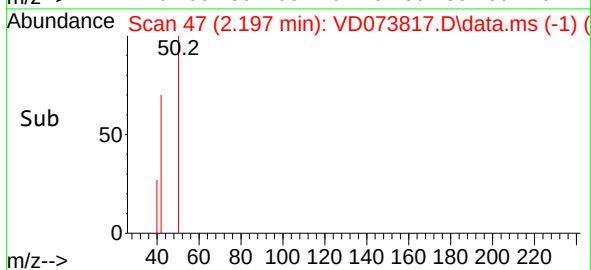
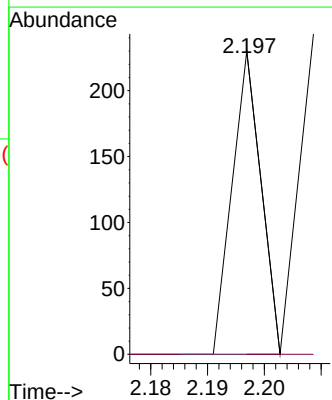
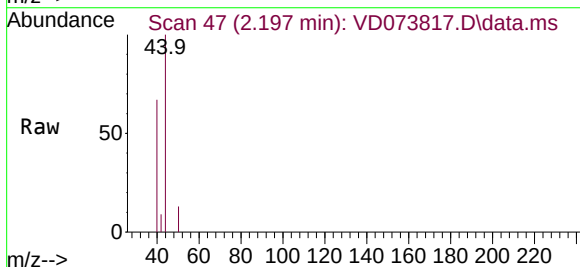
Instrument :
MSVOA_D
ClientSampleId :
20220486A-4A

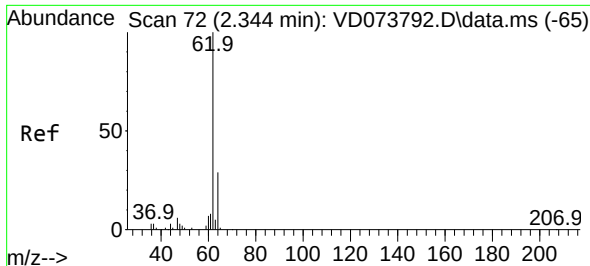
Tgt Ion:168 Resp: 94758
Ion Ratio Lower Upper
168 100
99 66.5 58.4 87.6



#3
Chloromethane
Concen: Below Cal
RT: 2.197 min Scan# 47
Delta R.T. -0.011 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

Tgt Ion: 50 Resp: 81
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

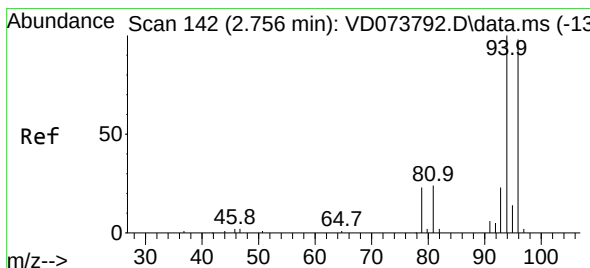
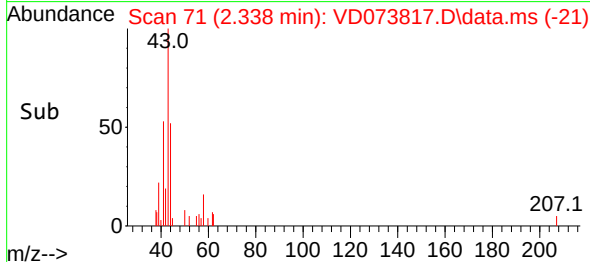
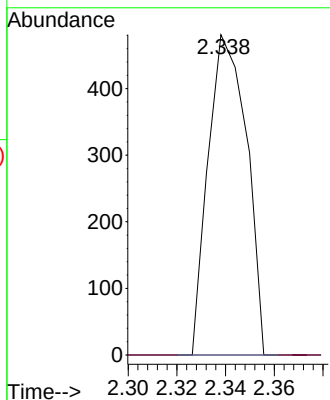
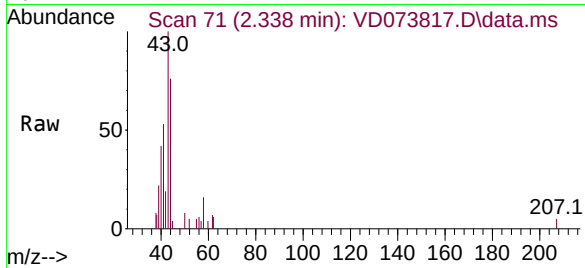




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.338 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VD073817.D
 Acq: 07 Jul 2022 19:28

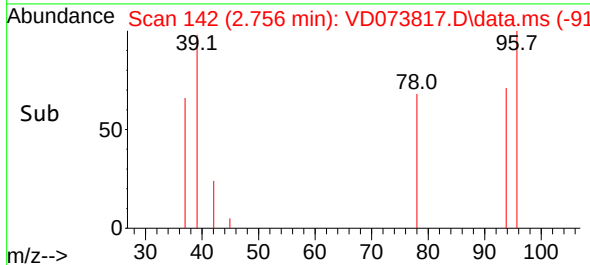
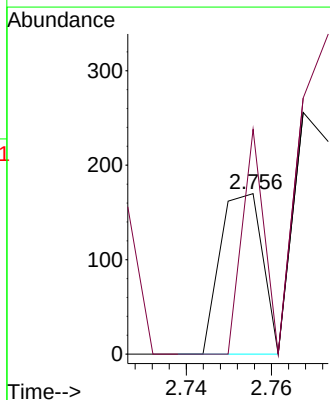
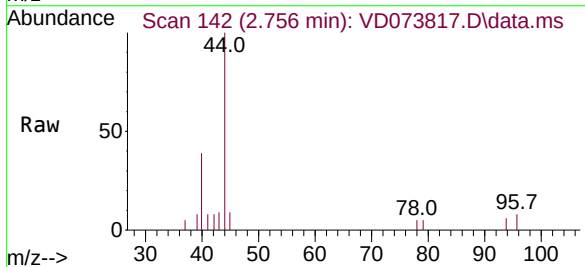
Instrument :
 MSVOA_D
 ClientSampleId :
 20220486A-4A

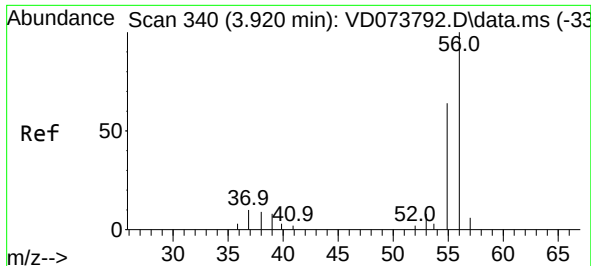
Tgt Ion: 62 Resp: 526
 Ion Ratio Lower Upper
 62 100
 64 0.0 23.4 35.2#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.756 min Scan# 142
 Delta R.T. -0.000 min
 Lab File: VD073817.D
 Acq: 07 Jul 2022 19:28

Tgt Ion: 94 Resp: 117
 Ion Ratio Lower Upper
 94 100
 96 140.0 78.3 117.5#





#13

Acrolein

Concen: 21.491 ug/l

RT: 3.897 min Scan# 31

Delta R.T. -0.023 min

Lab File: VD073817.D

Acq: 07 Jul 2022 19:28

Instrument :

MSVOA_D

ClientSampleId :

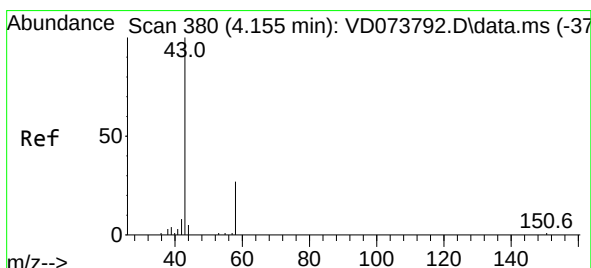
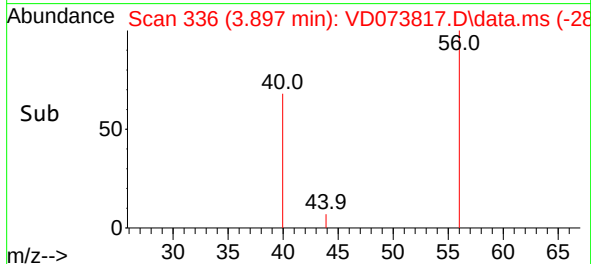
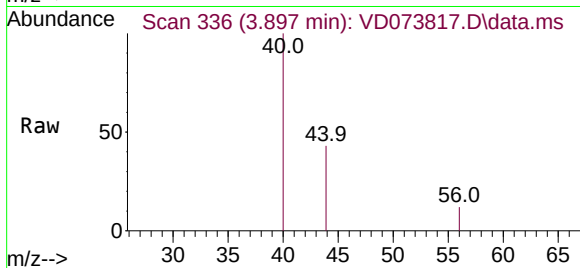
20220486A-4A

Tgt Ion: 56 Resp: 55

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.2#



#16

Acetone

Concen: 222.991 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.001 min

Lab File: VD073817.D

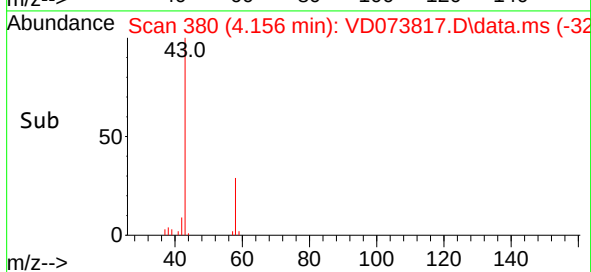
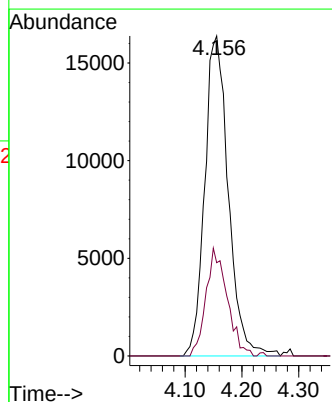
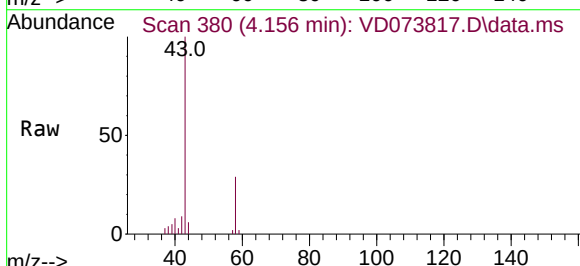
Acq: 07 Jul 2022 19:28

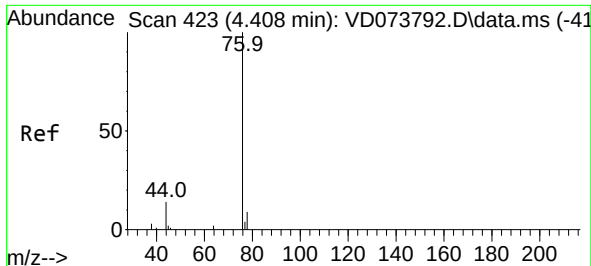
Tgt Ion: 43 Resp: 47156

Ion Ratio Lower Upper

43 100

58 29.1 21.3 31.9





#17

Carbon Disulfide

Concen: 56.548 ug/l

RT: 4.397 min Scan# 41

Delta R.T. -0.011 min

Lab File: VD073817.D

Acq: 07 Jul 2022 19:28

Instrument :

MSVOA_D

ClientSampleId :

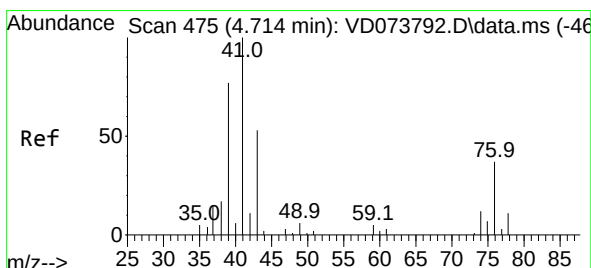
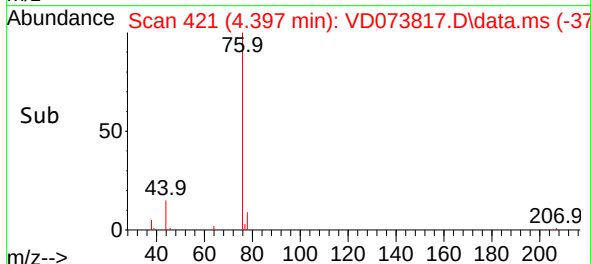
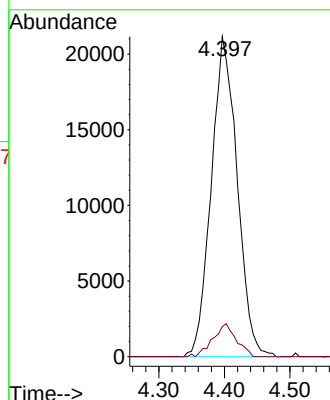
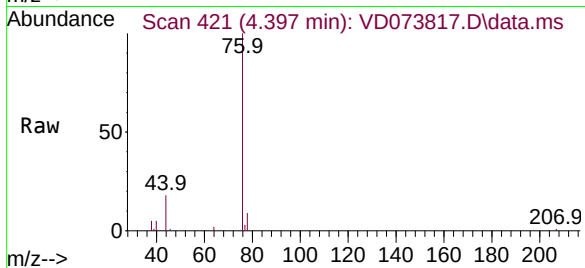
20220486A-4A

Tgt Ion: 76 Resp: 58048

Ion Ratio Lower Upper

76 100

78 9.4 6.8 10.2



#18

Methyl Acetate

Concen: Below Cal

RT: 4.720 min Scan# 476

Delta R.T. 0.006 min

Lab File: VD073817.D

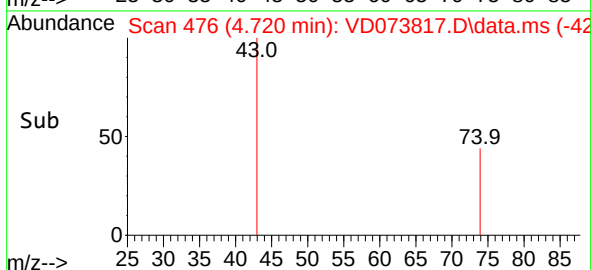
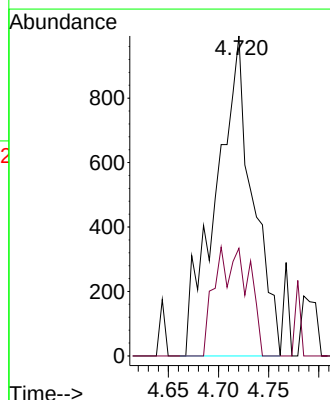
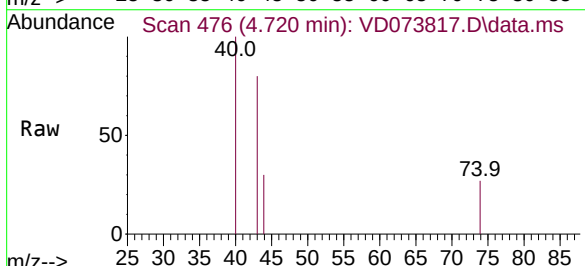
Acq: 07 Jul 2022 19:28

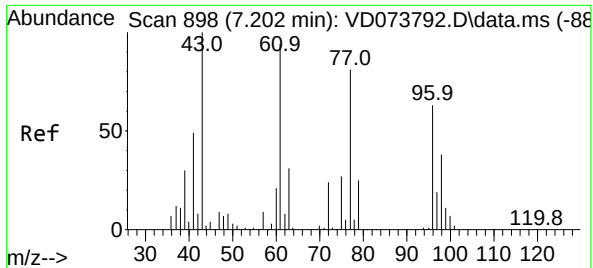
Tgt Ion: 43 Resp: 2526

Ion Ratio Lower Upper

43 100

74 13.4 18.3 27.5#

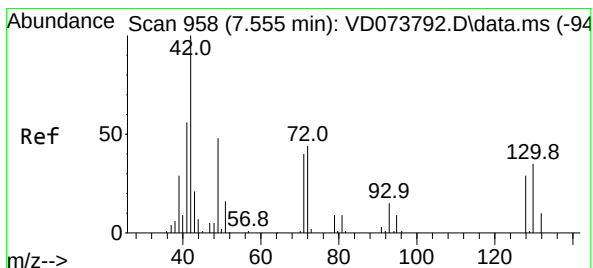
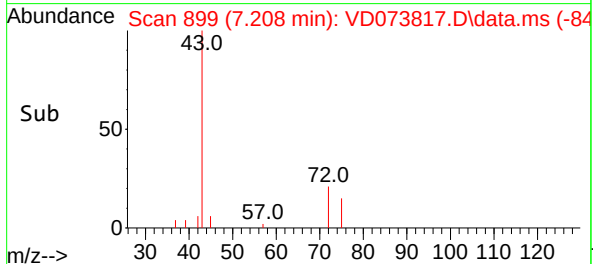
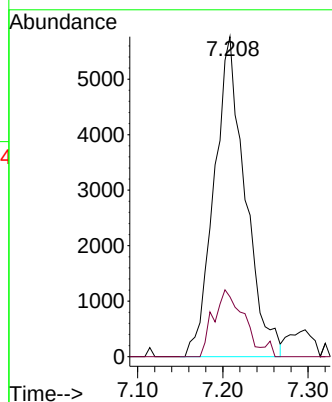
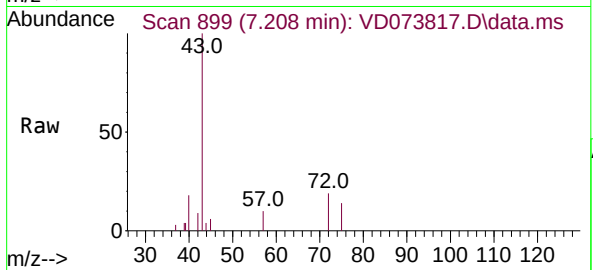




#25
2-Butanone
Concen: 38.072 ug/l
RT: 7.208 min Scan# 898
Delta R.T. 0.006 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

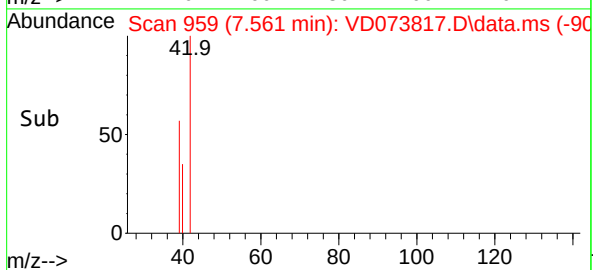
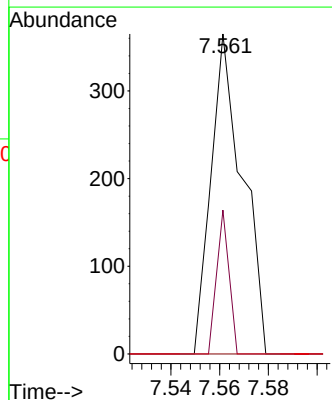
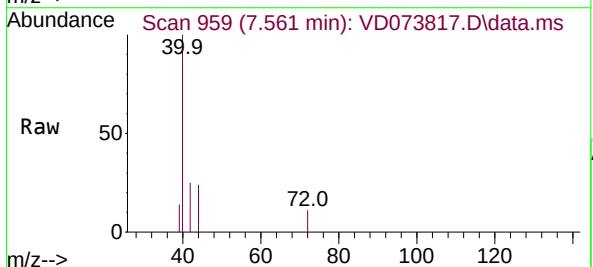
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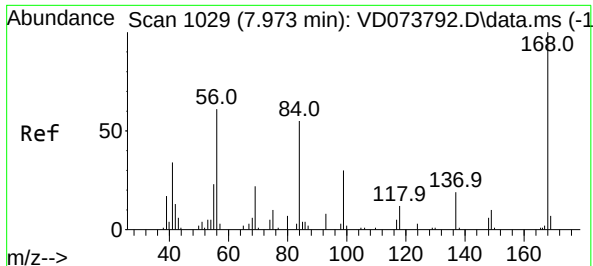
Tgt Ion: 43 Resp: 14582
Ion Ratio Lower Upper
43 100
72 18.7 18.8 28.2#



#29
Tetrahydrofuran
Concen: 1.451 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.006 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

Tgt Ion: 42 Resp: 328
Ion Ratio Lower Upper
42 100
72 17.7 34.6 52.0#
71 0.0 33.0 49.6#

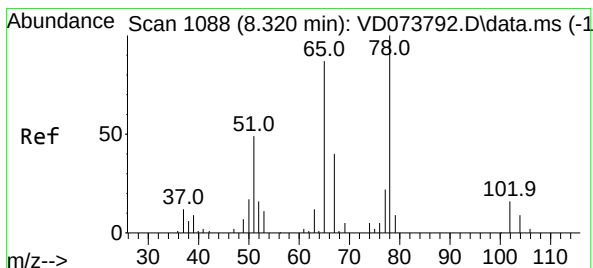
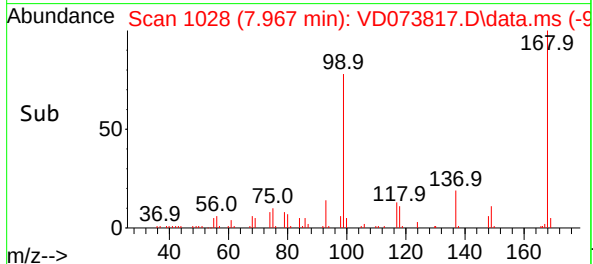
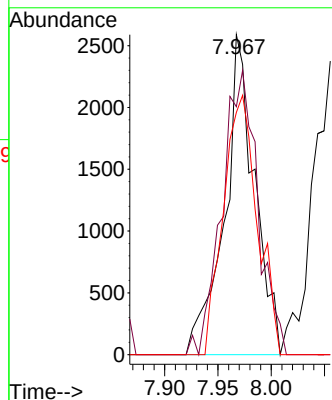
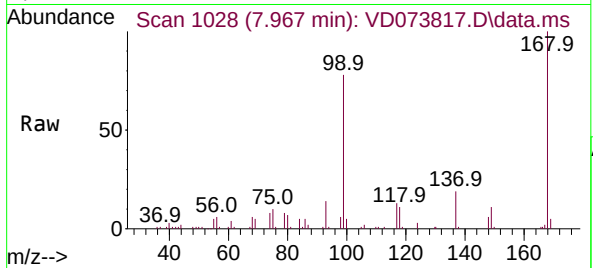




#31
Cyclohexane
Concen: Below Cal
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

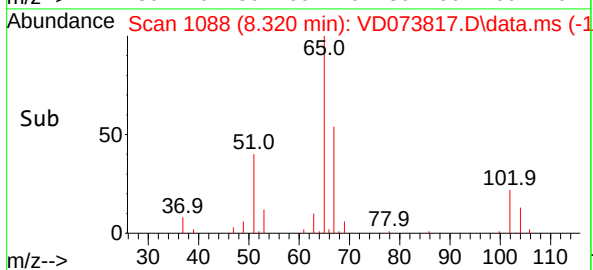
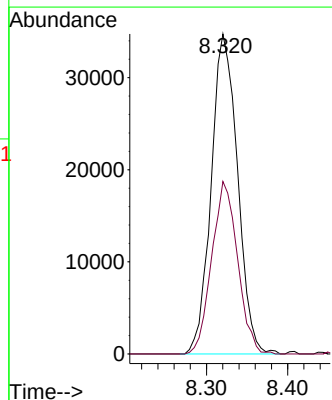
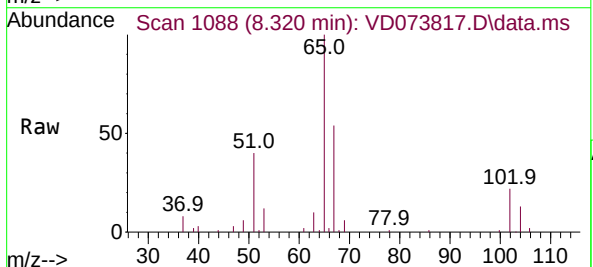
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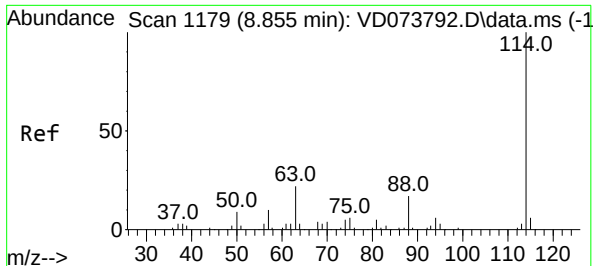
Tgt Ion: 56 Resp: 5086
Ion Ratio Lower Upper
56 100
69 77.5 29.4 44.2#
84 75.7 72.1 108.1



#33
1,2-Dichloroethane-d4
Concen: 67.197 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

Tgt Ion: 65 Resp: 78345
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

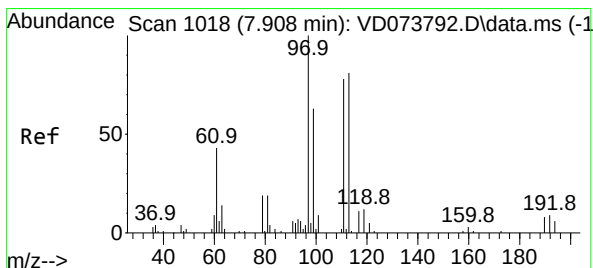
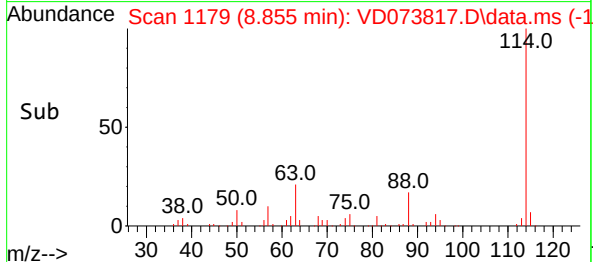
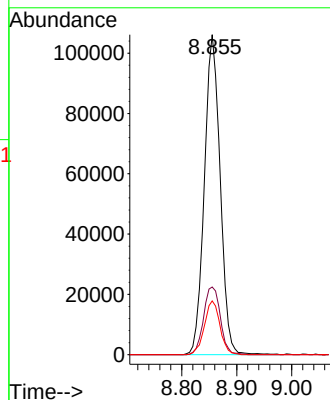
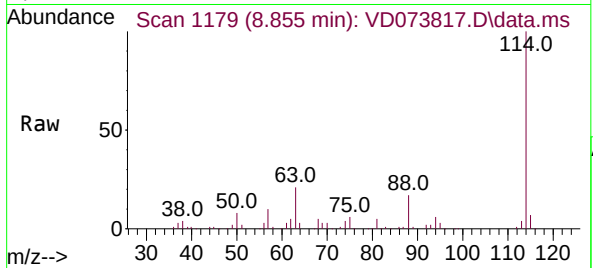




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

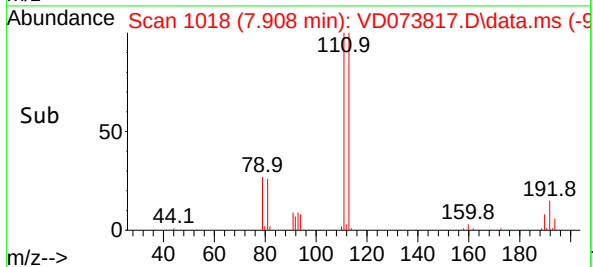
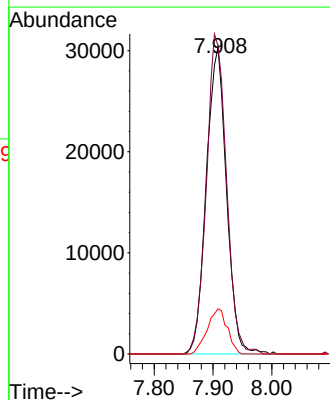
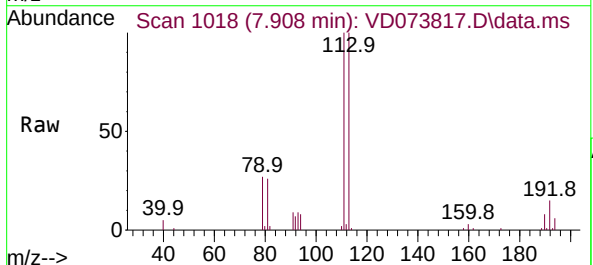
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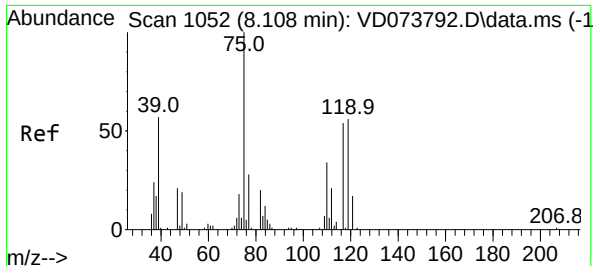
Tgt Ion:114 Resp: 212109
Ion Ratio Lower Upper
114 100
63 21.1 0.0 44.2
88 16.8 0.0 33.6



#35
Dibromofluoromethane
Concen: 55.520 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

Tgt Ion:113 Resp: 72258
Ion Ratio Lower Upper
113 100
111 103.8 82.7 124.1
192 14.6 11.7 17.5





#36

1,1-Dichloropropene

Concen: 5.877 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.147 min

Lab File: VD073817.D

Acq: 07 Jul 2022 19:28

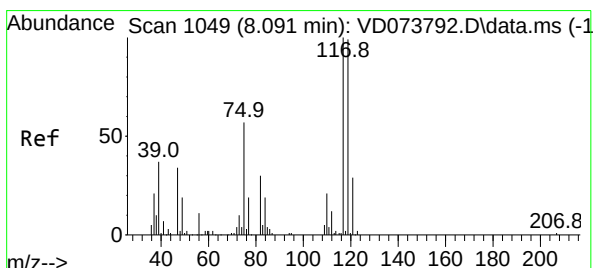
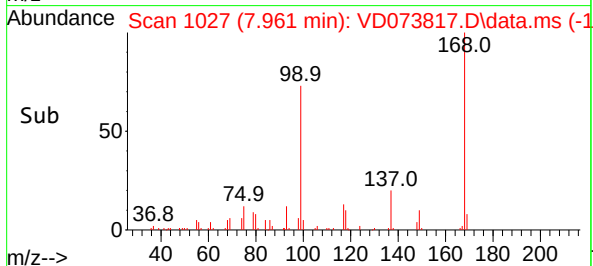
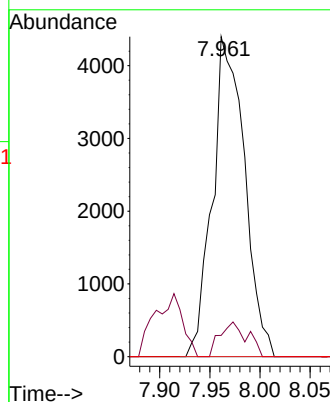
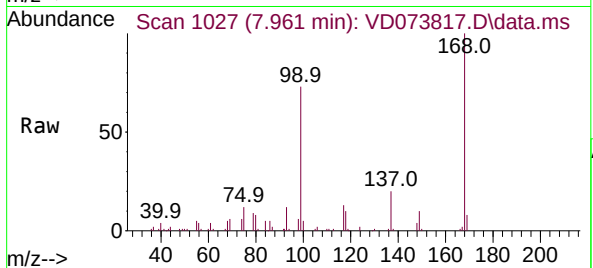
Instrument :

MSVOA_D

ClientSampleId :

20220486A-4A

Tgt Ion:	75	Resp:	9786
Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.9	50.7#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.174 ug/l

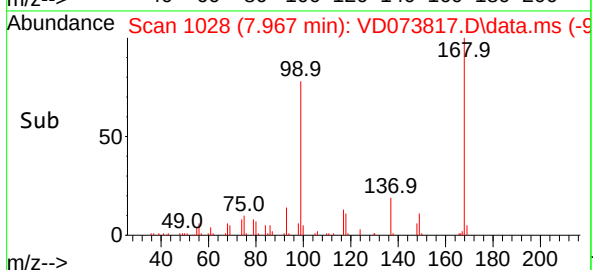
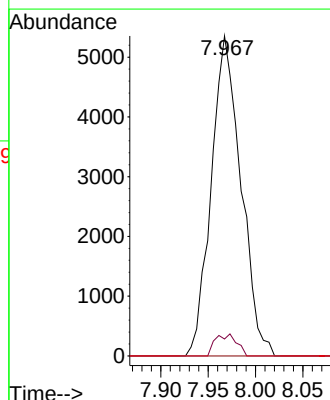
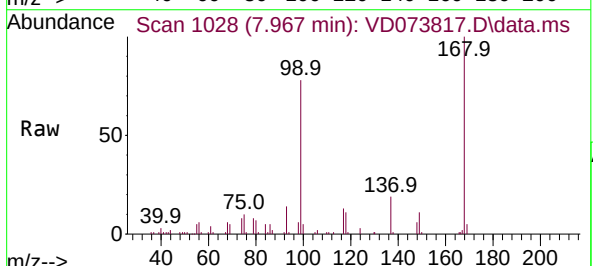
RT: 7.967 min Scan# 1028

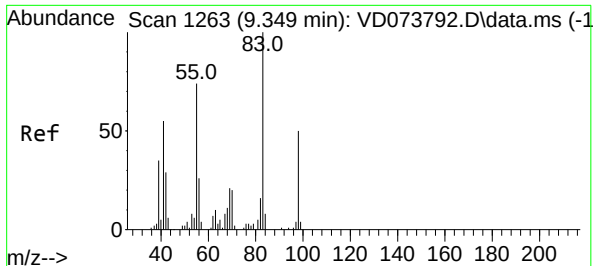
Delta R.T. -0.123 min

Lab File: VD073817.D

Acq: 07 Jul 2022 19:28

Tgt Ion:	117	Resp:	11688
Ion	Ratio	Lower	Upper
117	100		
119	5.3	79.3	118.9#
121	0.0	22.9	34.3#





#39

Methylcyclohexane

Concen: 4.149 ug/l

RT: 9.344 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD073817.D

Acq: 07 Jul 2022 19:28

Instrument :

MSVOA_D

ClientSampleId :

20220486A-4A

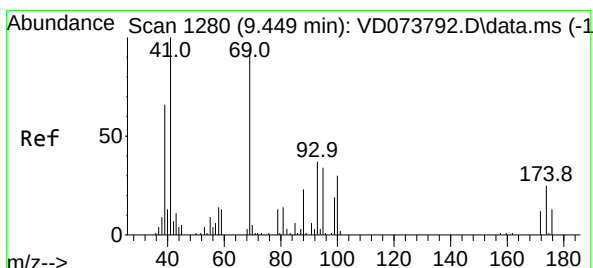
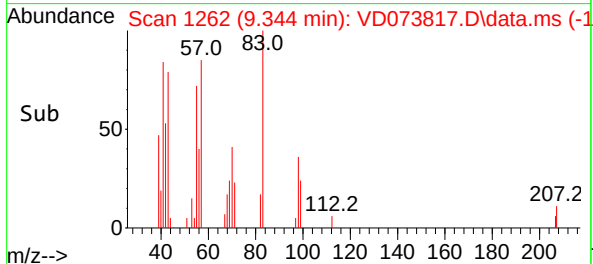
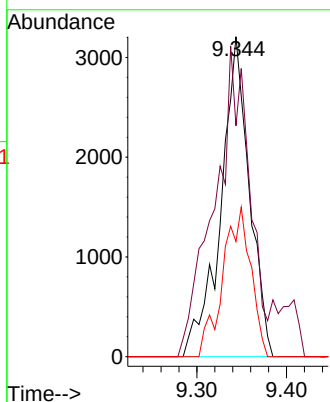
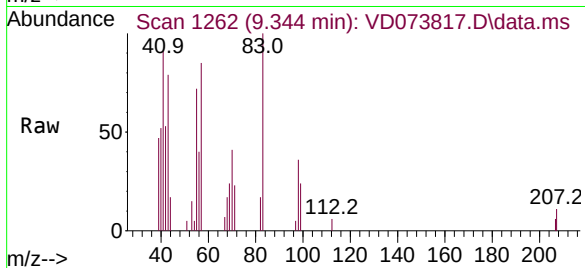
Tgt Ion: 83 Resp: 7133

Ion Ratio Lower Upper

83 100

55 72.1 59.3 88.9

98 36.0 40.4 60.6#



#48

Methyl methacrylate

Concen: 1.451 ug/l

RT: 9.479 min Scan# 1285

Delta R.T. 0.030 min

Lab File: VD073817.D

Acq: 07 Jul 2022 19:28

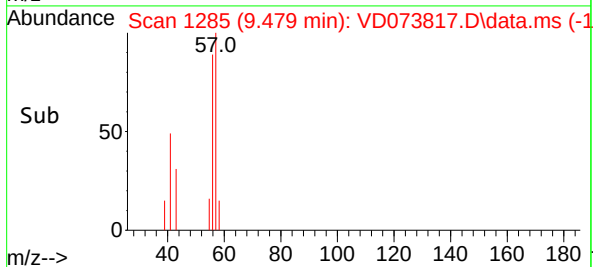
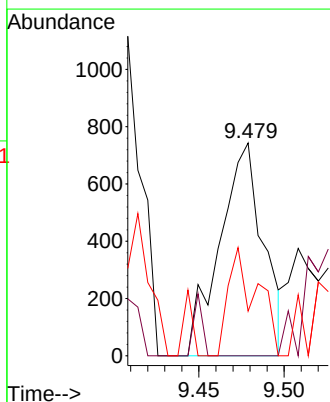
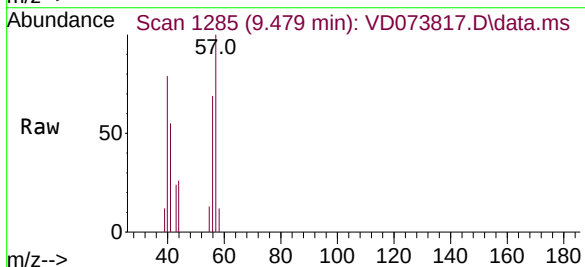
Tgt Ion: 41 Resp: 1323

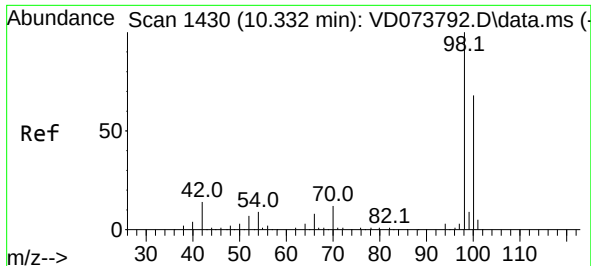
Ion Ratio Lower Upper

41 100

69 0.0 64.6 96.8#

39 33.6 54.2 81.4#

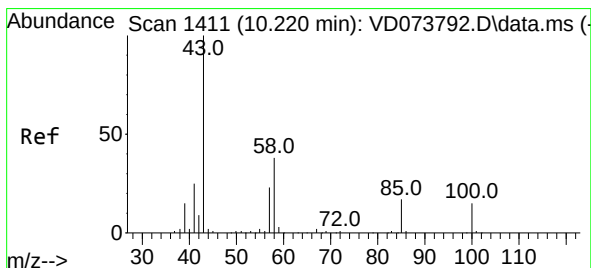
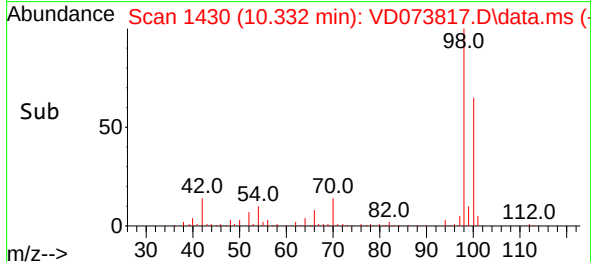
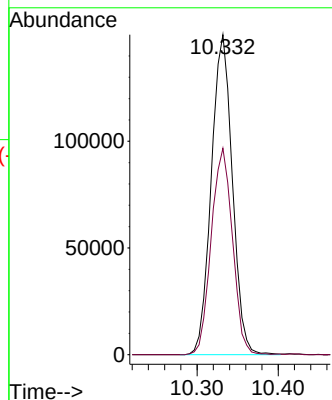
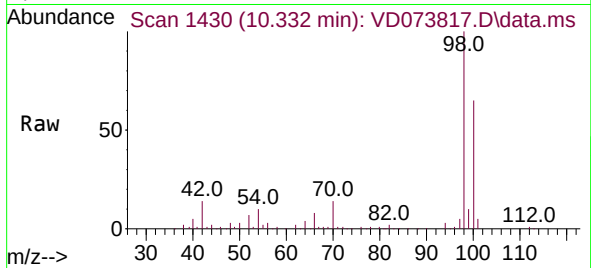




#50
Toluene-d8
Concen: 61.242 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

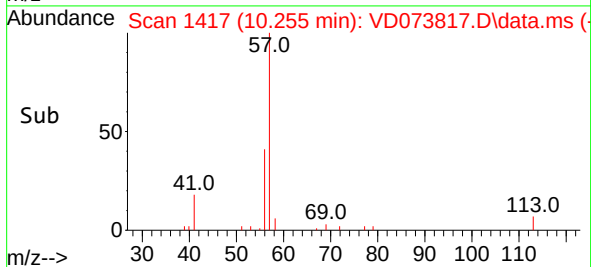
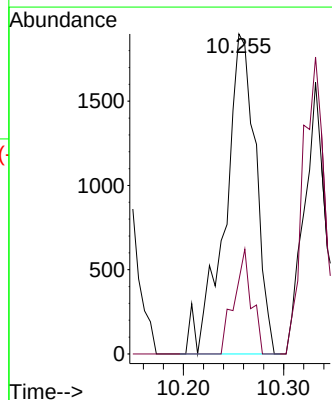
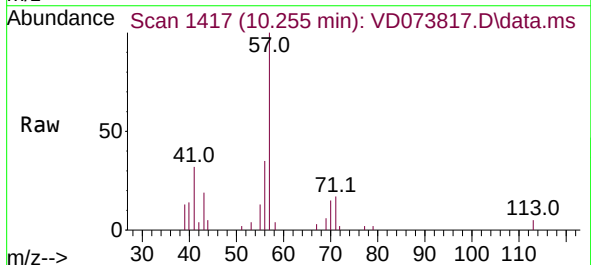
Instrument :
MSVOA_D
ClientSampleId :
20220486A-4A

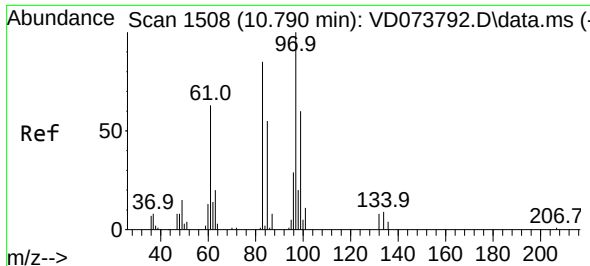
Tgt Ion: 98 Resp: 270008
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 3.864 ug/l
RT: 10.255 min Scan# 1417
Delta R.T. 0.035 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

Tgt Ion: 43 Resp: 4038
Ion Ratio Lower Upper
43 100
58 18.7 30.1 45.1#

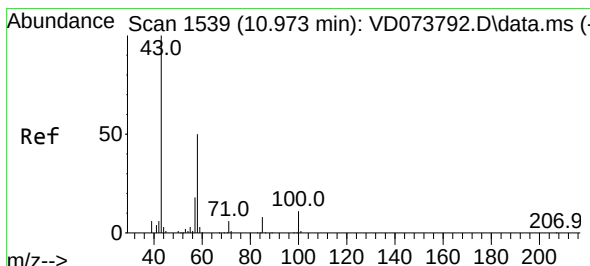
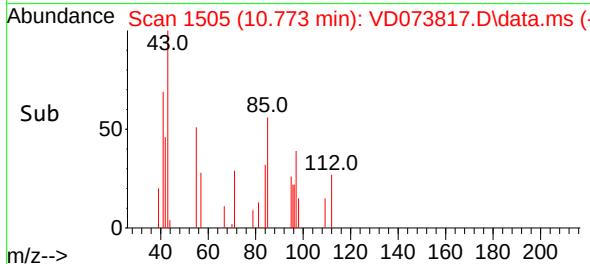
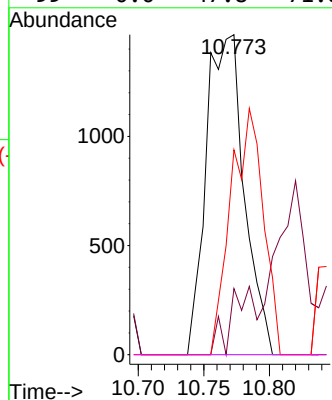
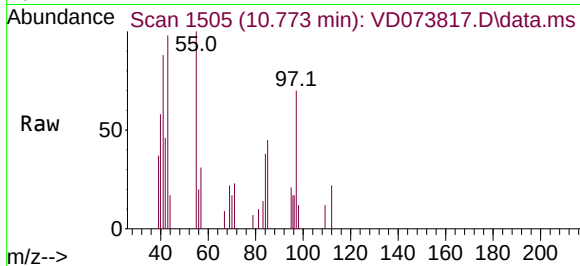




#55
1,1,2-Trichloroethane
Concen: 2.595 ug/l
RT: 10.773 min Scan# 11
Delta R.T. -0.017 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

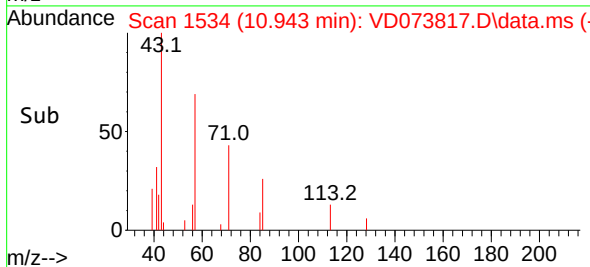
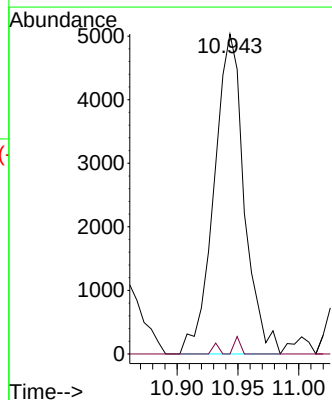
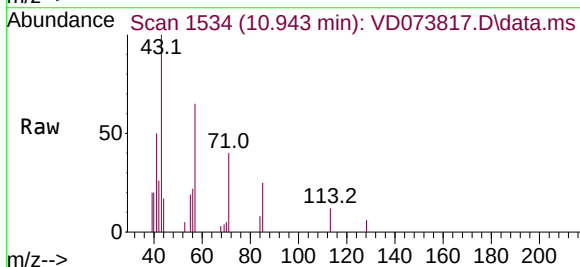
Instrument :
MSVOA_D
ClientSampleId :
20220486A-4A

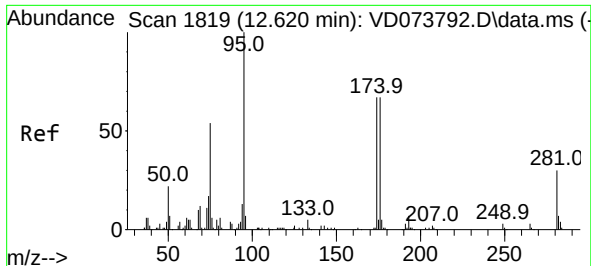
Tgt Ion: 97	Resp: 2949
Ion Ratio	Lower Upper
97 100	
83 20.7	68.2 102.2#
85 64.0	43.9 65.9
99 0.0	47.8 71.8#



#59
2-Hexanone
Concen: 12.437 ug/l
RT: 10.943 min Scan# 1534
Delta R.T. -0.029 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

Tgt Ion: 43	Resp:	8669	
Ion	Ratio	Lower	Upper
43	100		
58	1.1	26.2	78.6#

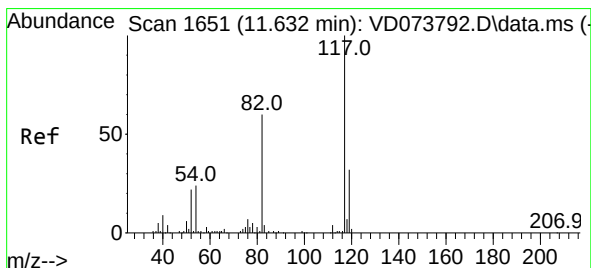
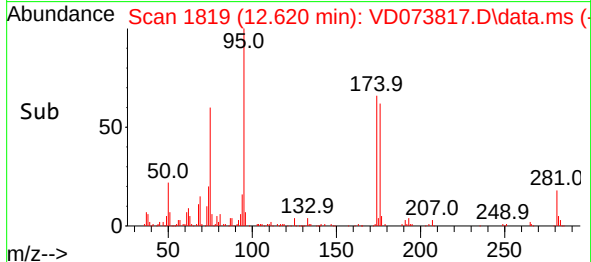
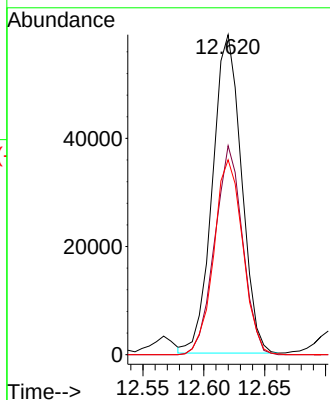
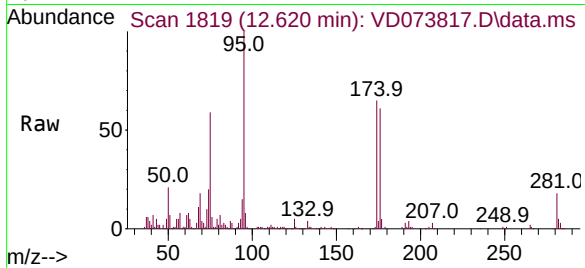




#62
4-Bromofluorobenzene
Concen: 53.754 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

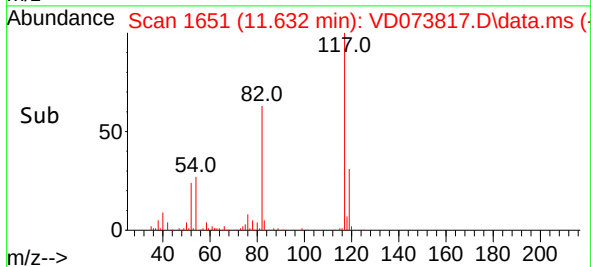
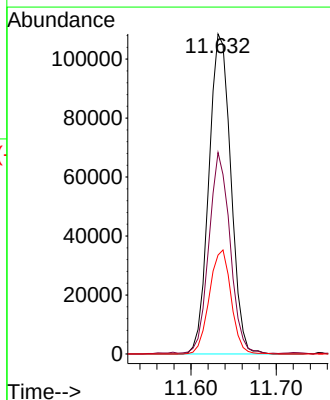
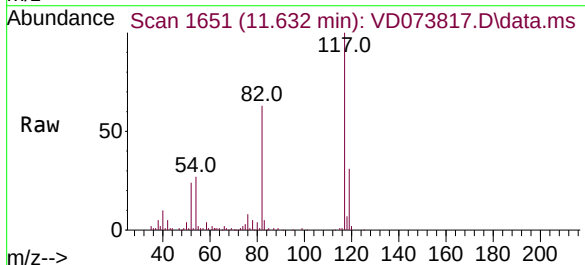
Instrument :
MSVOA_D
ClientSampleId :
20220486A-4A

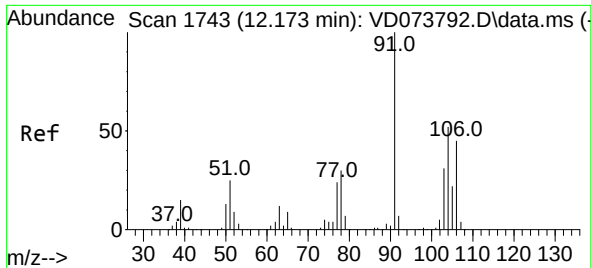
Tgt Ion: 95 Resp: 97416
Ion Ratio Lower Upper
95 100
174 63.2 0.0 132.4
176 61.1 0.0 129.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

Tgt Ion: 117 Resp: 194257
Ion Ratio Lower Upper
117 100
82 62.8 48.2 72.2
119 30.9 25.2 37.8

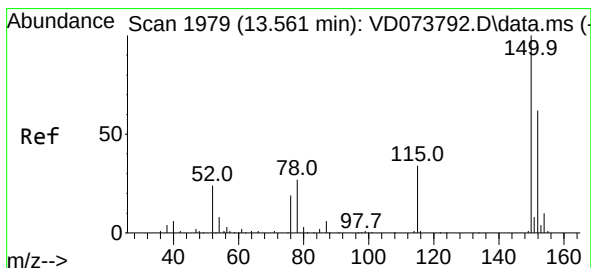
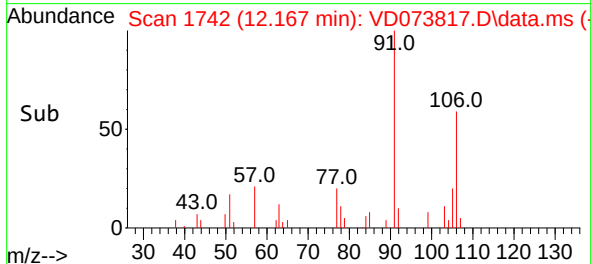
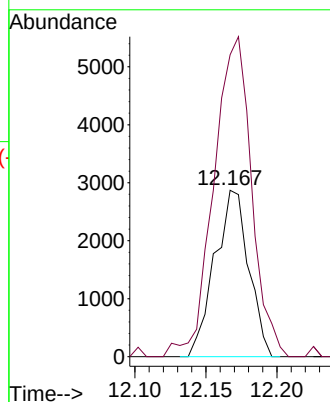
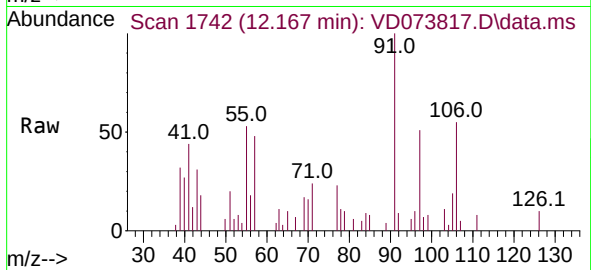




#69
o-Xylene
Concen: 1.946 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

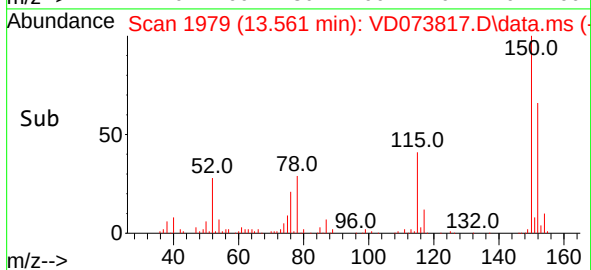
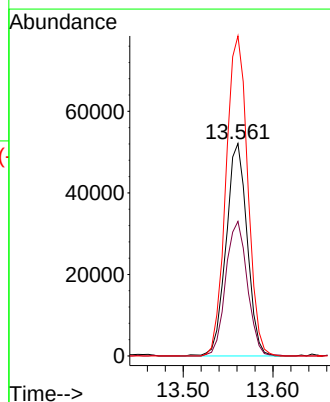
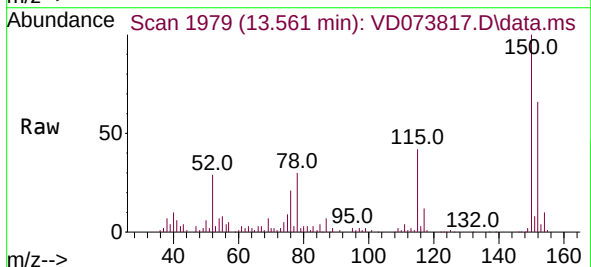
Instrument :
MSVOA_D
ClientSampleId :
20220486A-4A

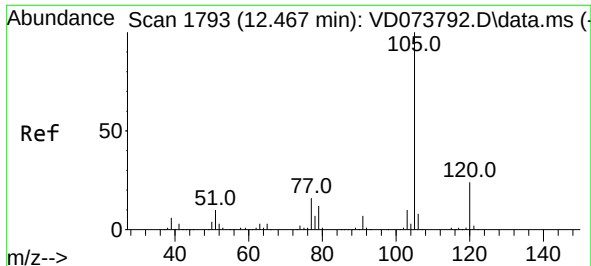
Tgt Ion:106 Resp: 4768
Ion Ratio Lower Upper
106 100
91 214.6 112.3 336.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

Tgt Ion:152 Resp: 84819
Ion Ratio Lower Upper
152 100
115 65.0 32.2 96.6
150 155.1 0.0 353.0

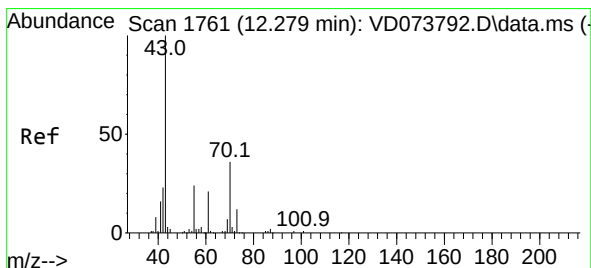
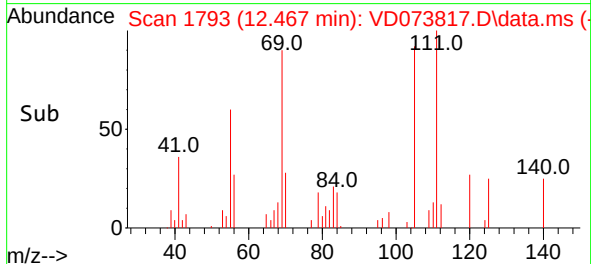
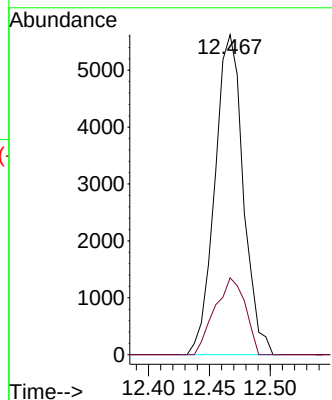
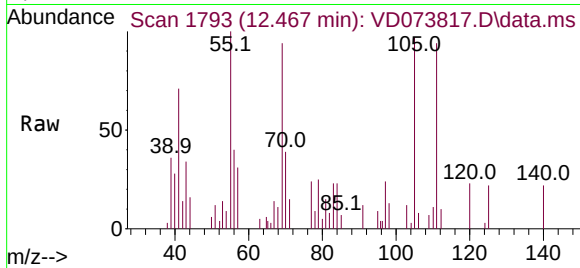




#73
Isopropylbenzene
Concen: 1.399 ug/l
RT: 12.467 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

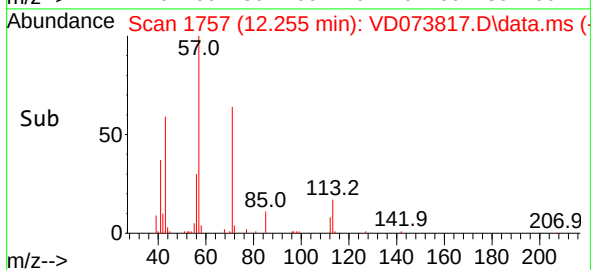
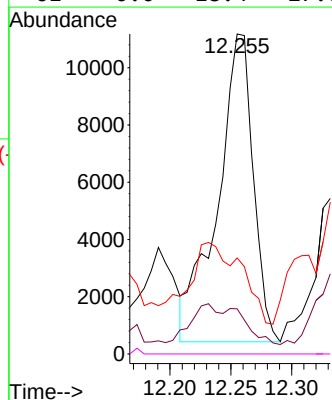
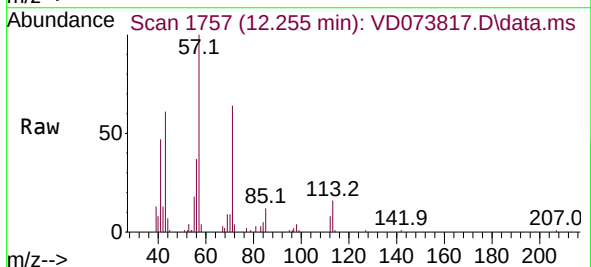
Instrument :
MSVOA_D
ClientSampleId :
20220486A-4A

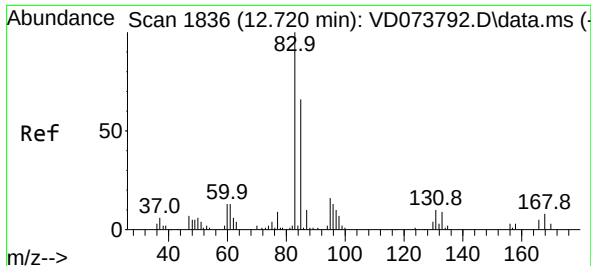
Tgt Ion:105 Resp: 9133
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.7



#74
N-ethyl acetate
Concen: 11.941 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.023 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

Tgt Ion: 43 Resp: 22002
Ion Ratio Lower Upper
43 100
70 0.0 31.5 47.3#
55 0.0 18.5 27.7#
61 0.0 18.4 27.6#

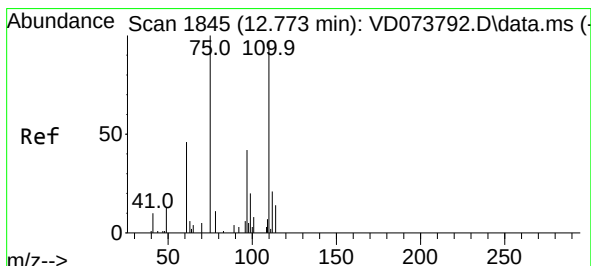
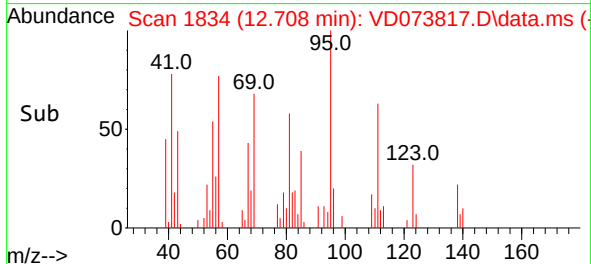
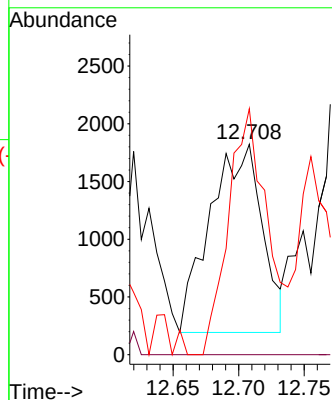
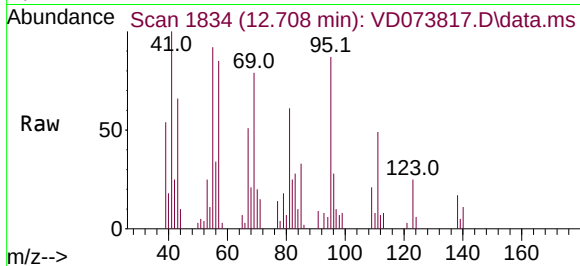




#75
 1,1,2,2-Tetrachloroethane
 Concen: 3.320 ug/l
 RT: 12.708 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: VD073817.D
 Acq: 07 Jul 2022 19:28

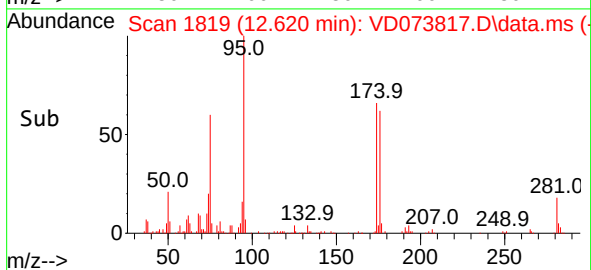
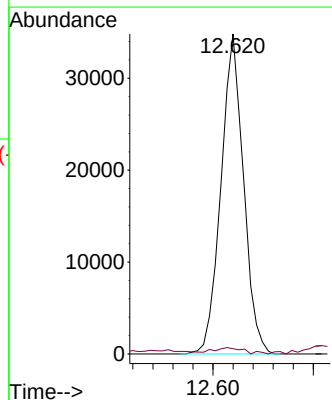
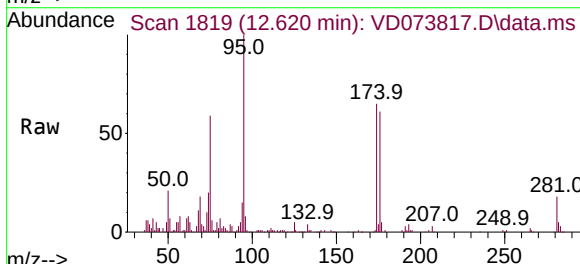
Instrument :
 MSVOA_D
 ClientSampleId :
 20220486A-4A

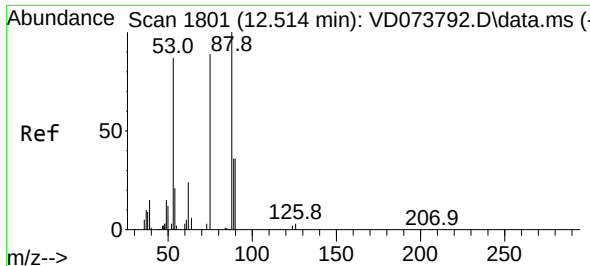
Tgt Ion: 83 Resp: 4504
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.2 15.6#
 85 98.4 32.0 96.0#



#76
 1,2,3-Trichloropropane
 Concen: 58.707 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD073817.D
 Acq: 07 Jul 2022 19:28

Tgt Ion: 75 Resp: 54215
 Ion Ratio Lower Upper
 75 100
 77 2.7 0.0 0.0#

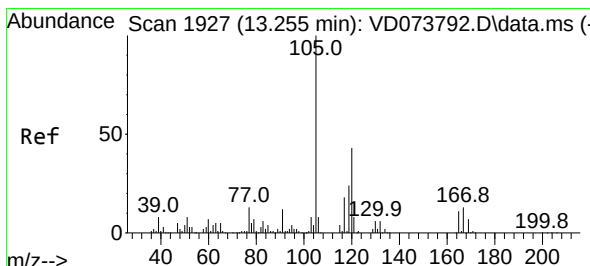
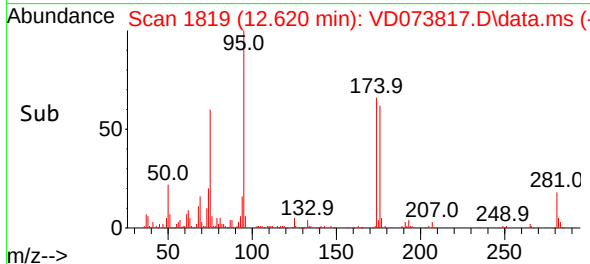
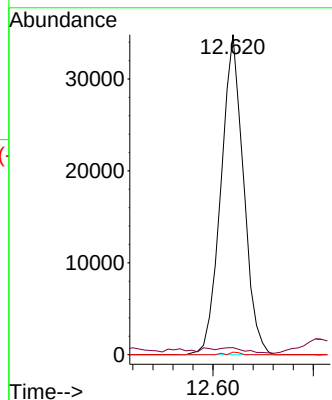
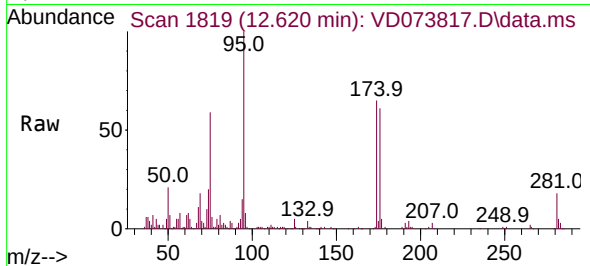




#81
trans-1,4-Dichloro-2-butene
Concen: 131.157 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

Instrument :
MSVOA_D
ClientSampleId :
20220486A-4A

Tgt Ion: 75 Resp: 54215
Ion Ratio Lower Upper
75 100
53 1.8 77.6 116.4#
89 0.4 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 3.268 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073817.D
Acq: 07 Jul 2022 19:28

Tgt Ion: 105 Resp: 17651
Ion Ratio Lower Upper
105 100
120 46.8 22.1 66.5

