

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
 Data File : VD073612.D
 Acq On : 16 Jun 2022 12:39
 Operator : VA/SY
 Sample : N3329-05RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PALMYRA-RT-73-COMP-3

Quant Time: Jun 16 15:11:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

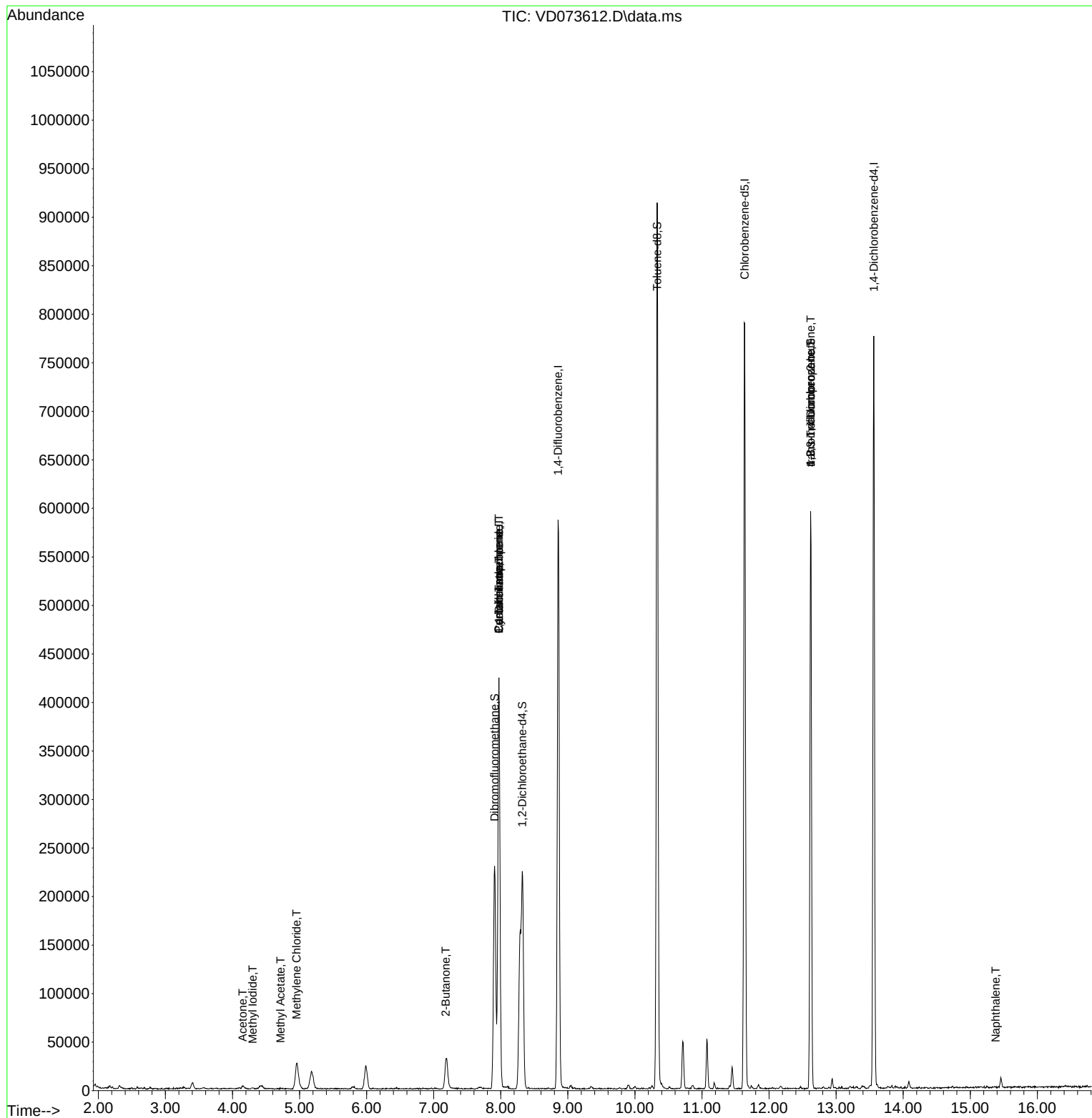
Internal Standards						
1) Pentafluorobenzene	7.973	168	301766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	520222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	469277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	207741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	164624	50.836	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.680%	
35) Dibromofluoromethane	7.908	113	169954	50.805	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.600%	
50) Toluene-d8	10.332	98	603899	47.747	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.500%	
62) 4-Bromofluorobenzene	12.620	95	197414	42.995	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.000%	
Target Compounds						
						Qvalue
10) Methyl Iodide	4.303	142	576	4.315	ug/l #	52
11) Tert butyl alcohol	5.173	59	16300	Below Cal	#	75
16) Acetone	4.150	43	4973	8.722	ug/l #	89
18) Methyl Acetate	4.714	43	75	1.415	ug/l #	55
20) Methylene Chloride	4.956	84	20906	2.765	ug/l #	83
25) 2-Butanone	7.179	43	2022	2.410	ug/l #	52
31) Cyclohexane	7.973	56	7471	1.370	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	23692	4.715	ug/l #	53
38) Carbon Tetrachloride	7.973	117	30697	5.840	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	98904	49.008	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	98904	115.030	ug/l #	7
95) Naphthalene	15.379	128	466	4.261	ug/l #	70

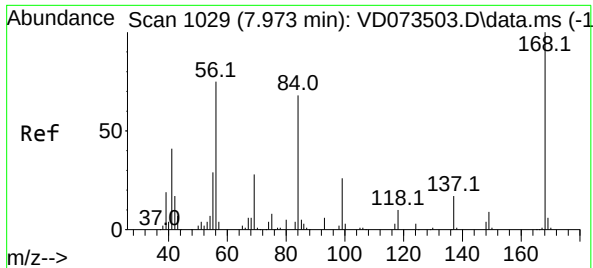
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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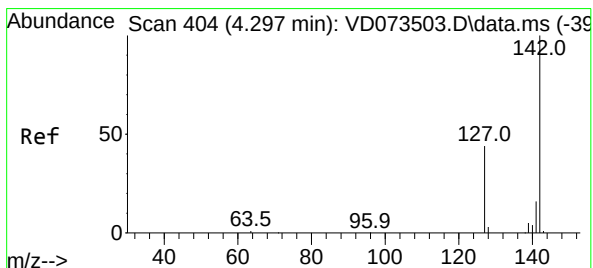
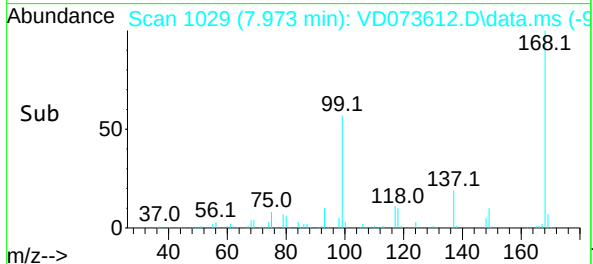
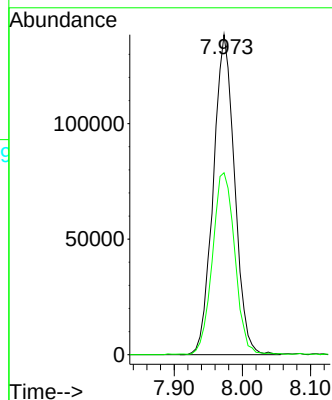
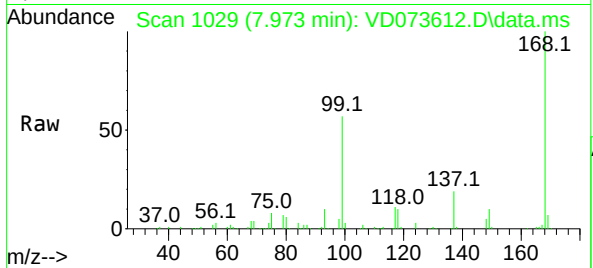




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073612.D
Acq: 16 Jun 2022 12:39

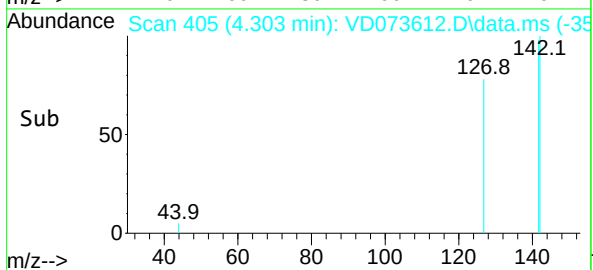
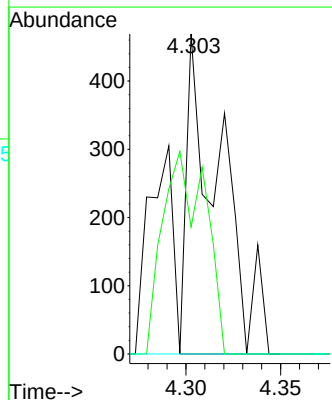
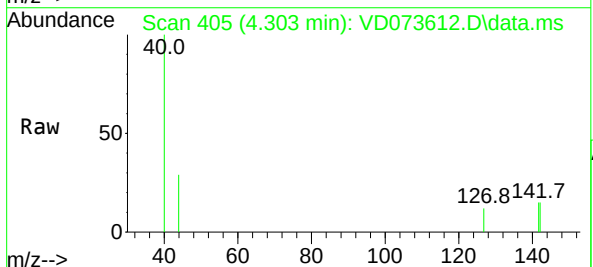
Instrument :
MSVOA_D
ClientSampleId :
PALMYRA-RT-73-COMP-3

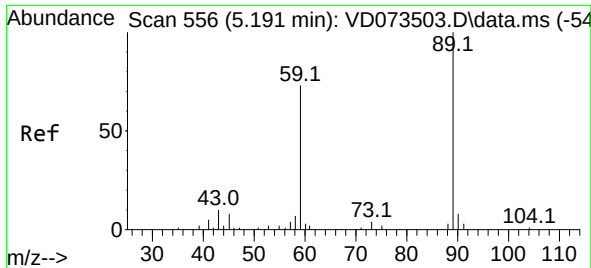
Tgt Ion:168 Resp: 301766
Ion Ratio Lower Upper
168 100
99 56.7 49.8 74.6



#10
Methyl Iodide
Concen: 4.315 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD073612.D
Acq: 16 Jun 2022 12:39

Tgt Ion:142 Resp: 576
Ion Ratio Lower Upper
142 100
127 80.7 37.3 55.9#
141 0.0 11.7 17.5#

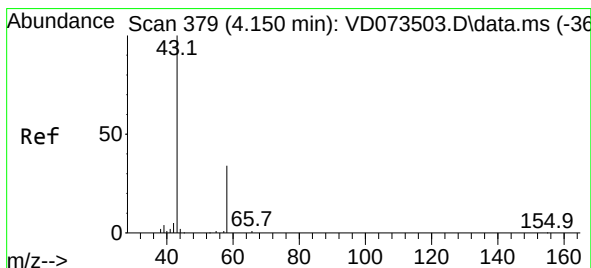
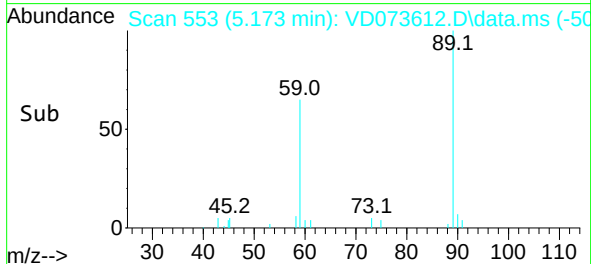
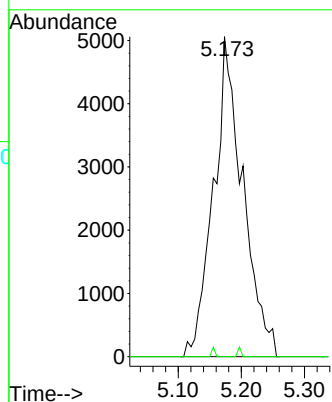
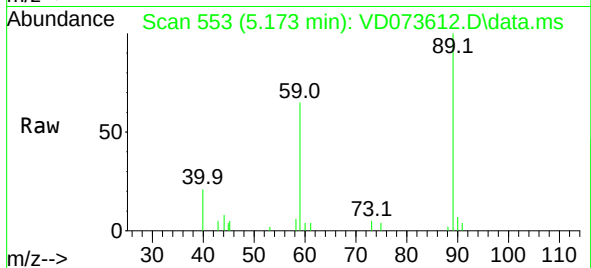




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD073612.D
Acq: 16 Jun 2022 12:39

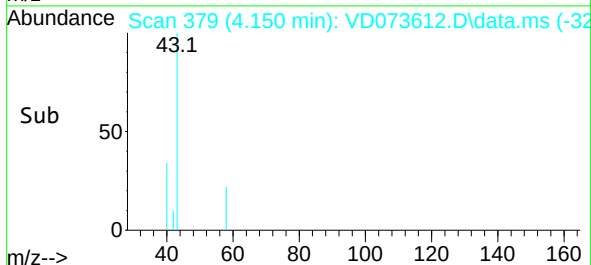
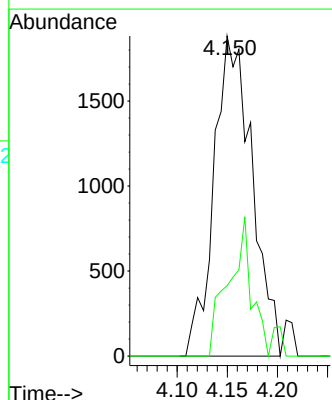
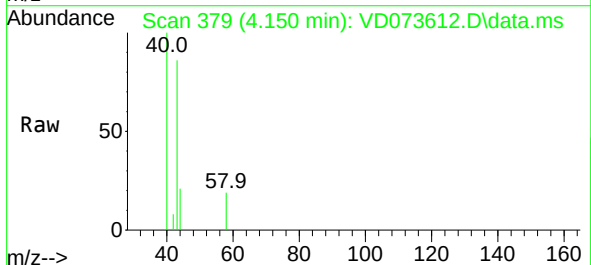
Instrument :
MSVOA_D
ClientSampleId :
PALMYRA-RT-73-COMP-3

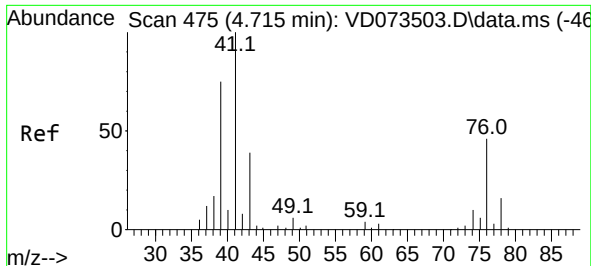
Tgt Ion: 59 Resp: 16300
Ion Ratio Lower Upper
59 100
57 0.3 7.8 11.6#



#16
Acetone
Concen: 8.722 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD073612.D
Acq: 16 Jun 2022 12:39

Tgt Ion: 43 Resp: 4973
Ion Ratio Lower Upper
43 100
58 22.0 22.1 33.1#

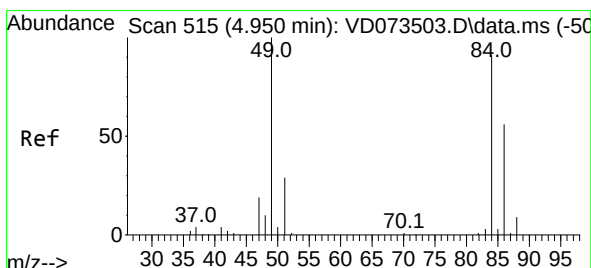
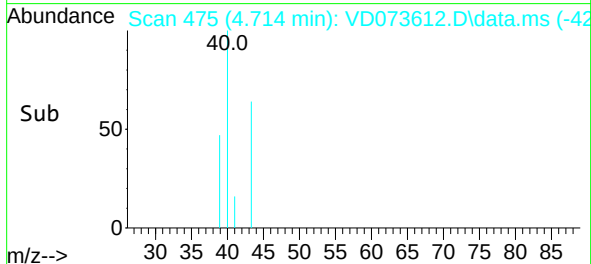
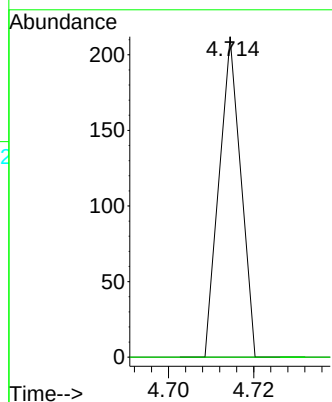
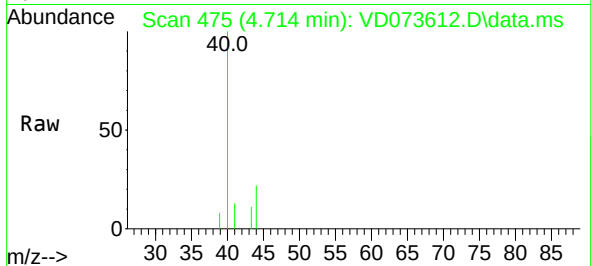




#18
Methyl Acetate
Concen: 1.415 ug/l
RT: 4.714 min Scan# 41
Delta R.T. -0.001 min
Lab File: VD073612.D
Acq: 16 Jun 2022 12:39

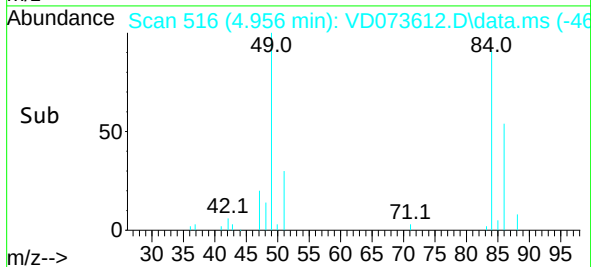
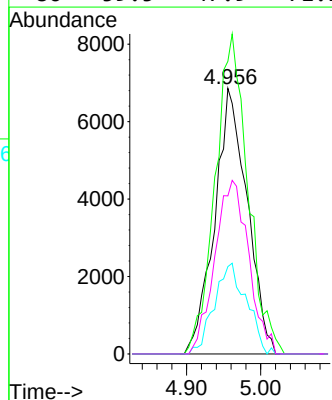
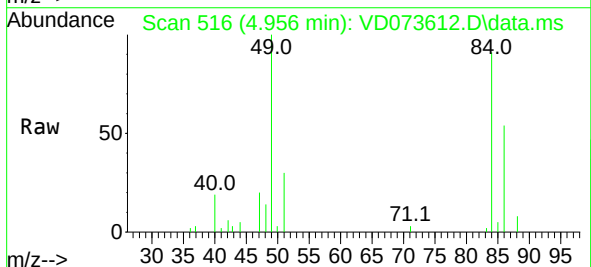
Instrument :
MSVOA_D
ClientSampleId :
PALMYRA-RT-73-COMP-3

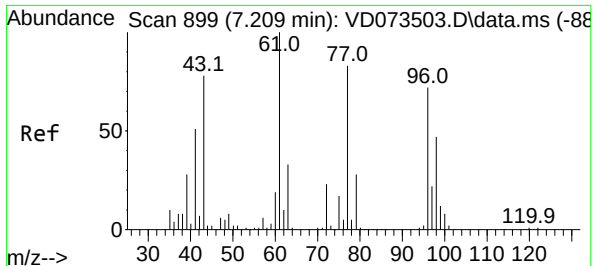
Tgt Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 2.765 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD073612.D
Acq: 16 Jun 2022 12:39

Tgt Ion: 84 Resp: 20906
Ion Ratio Lower Upper
84 100
49 110.2 112.8 169.2#
51 32.9 32.6 48.8
86 59.5 47.9 71.9

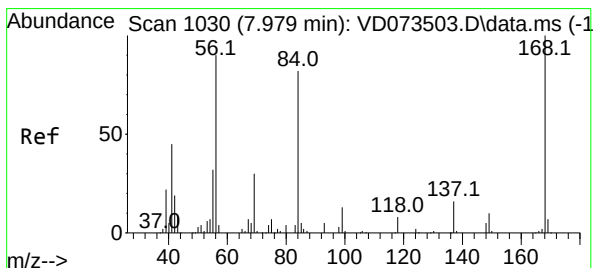
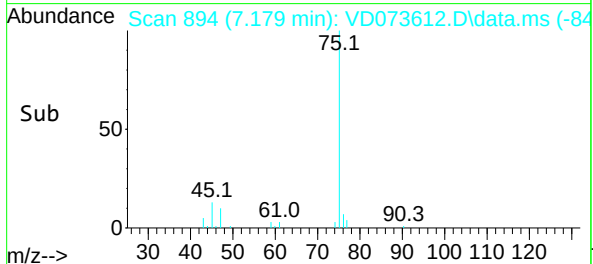
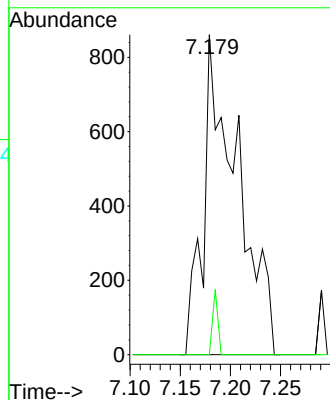
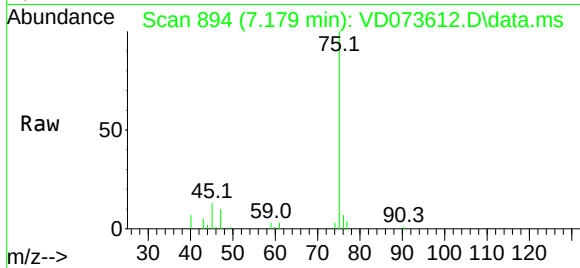




#25
2-Butanone
Concen: 2.410 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.030 min
Lab File: VD073612.D
Acq: 16 Jun 2022 12:39

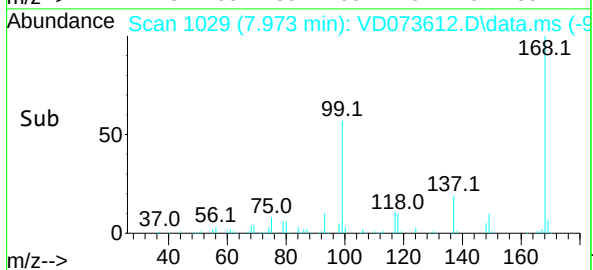
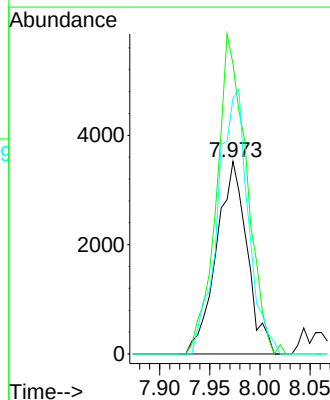
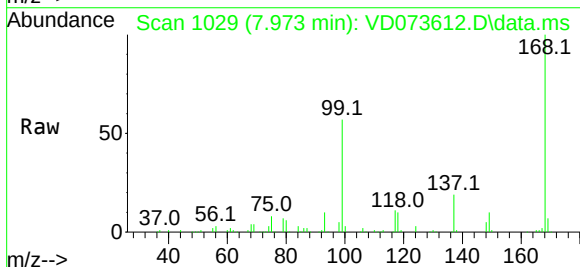
Instrument : MSVOA_D
ClientSampleId : PALMYRA-RT-73-COMP-3

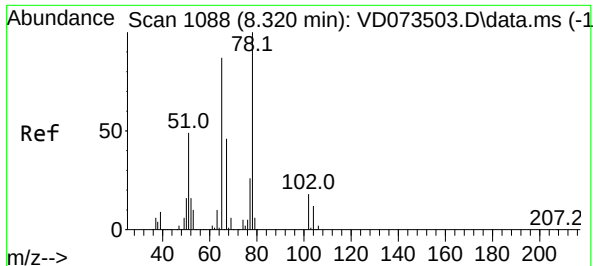
Tgt Ion: 43 Resp: 2022
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.370 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073612.D
Acq: 16 Jun 2022 12:39

Tgt Ion: 56 Resp: 7471
Ion Ratio Lower Upper
56 100
69 150.7 25.4 38.2#
84 133.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.836 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073612.D

Acq: 16 Jun 2022 12:39

Instrument :

MSVOA_D

ClientSampleId :

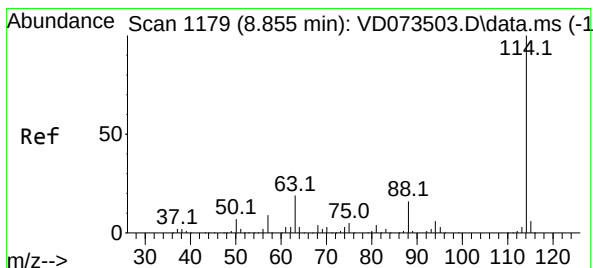
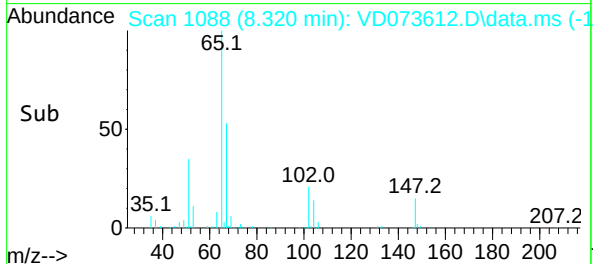
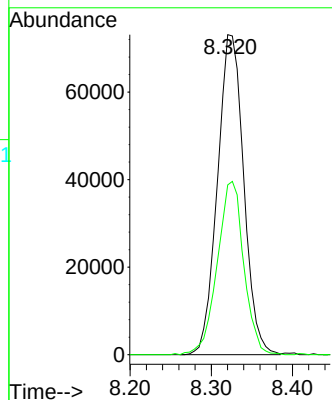
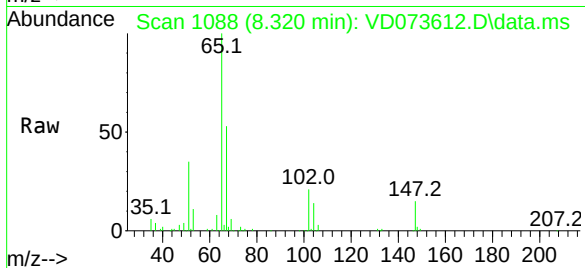
PALMYRA-RT-73-COMP-3

Tgt Ion: 65 Resp: 164624

Ion Ratio Lower Upper

65 100

67 54.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073612.D

Acq: 16 Jun 2022 12:39

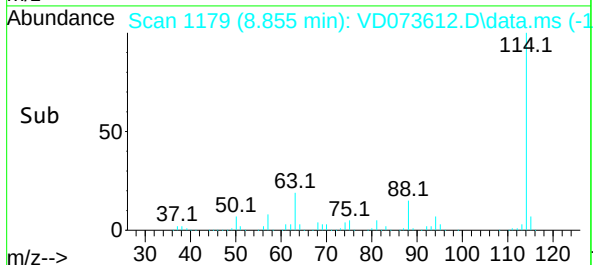
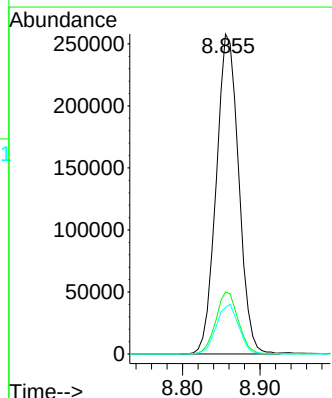
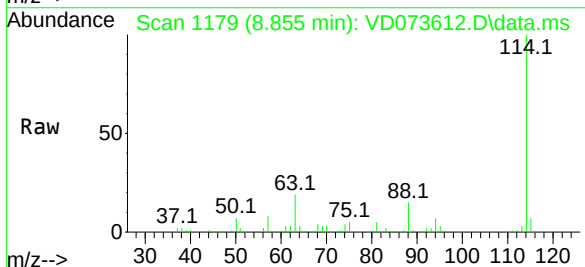
Tgt Ion: 114 Resp: 520222

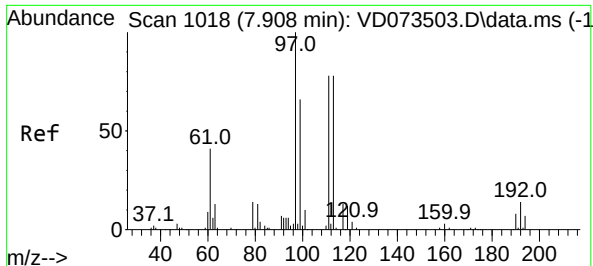
Ion Ratio Lower Upper

114 100

63 19.3 0.0 46.6

88 14.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.805 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073612.D

Acq: 16 Jun 2022 12:39

Instrument :

MSVOA_D

ClientSampleId :

PALMYRA-RT-73-COMP-3

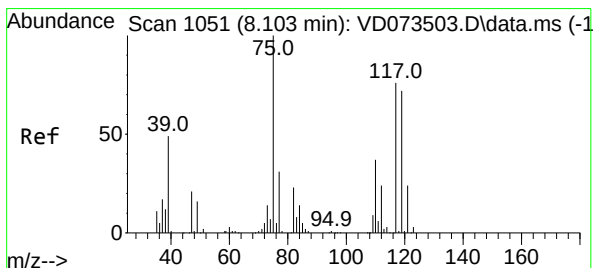
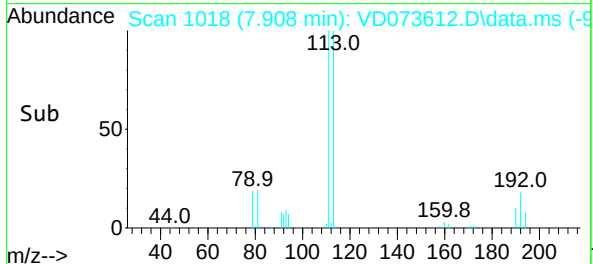
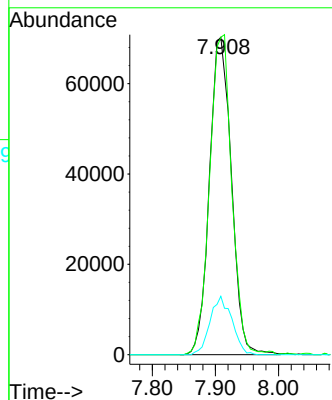
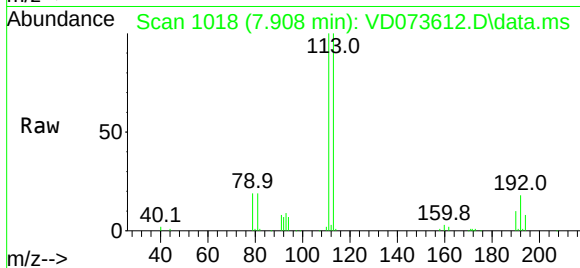
Tgt Ion:113 Resp: 169954

Ion Ratio Lower Upper

113 100

111 101.6 83.8 125.6

192 18.3 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.715 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073612.D

Acq: 16 Jun 2022 12:39

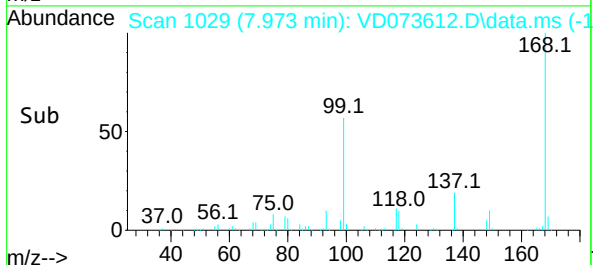
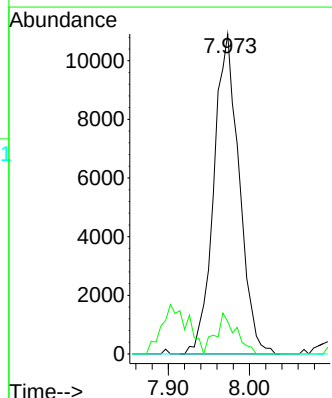
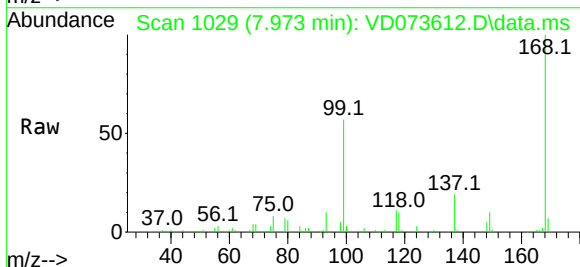
Tgt Ion: 75 Resp: 23692

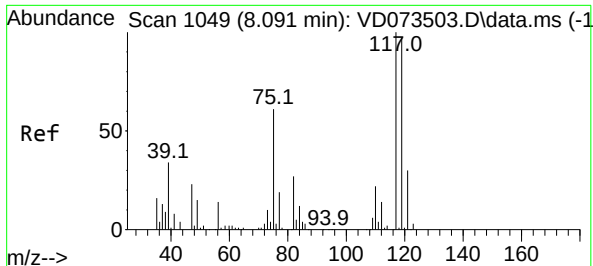
Ion Ratio Lower Upper

75 100

110 10.2 16.4 49.1#

77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.840 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073612.D

Acq: 16 Jun 2022 12:39

Instrument :

MSVOA_D

ClientSampleId :

PALMYRA-RT-73-COMP-3

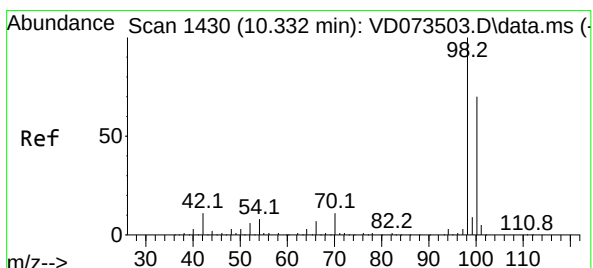
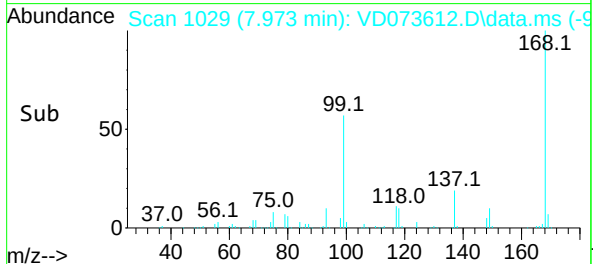
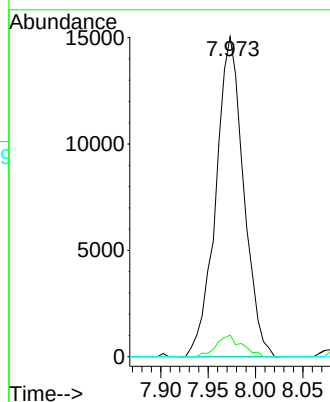
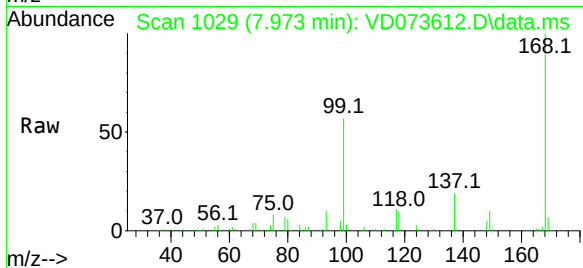
Tgt Ion:117 Resp: 30697

Ion Ratio Lower Upper

117 100

119 6.8 75.8 113.6#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 47.747 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073612.D

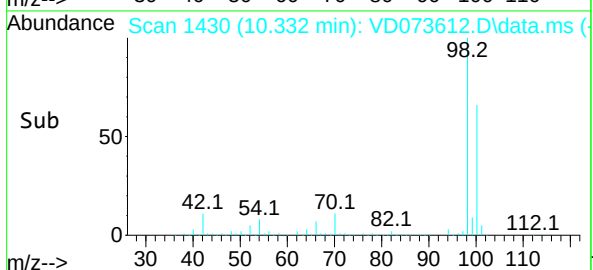
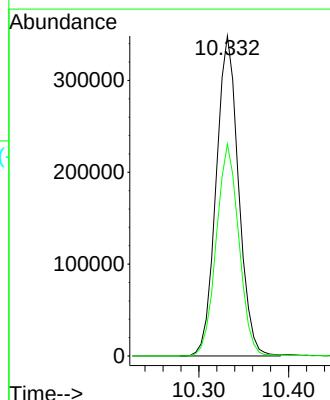
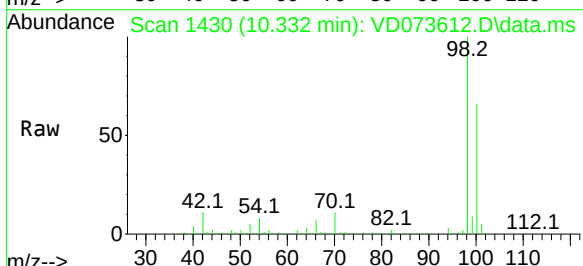
Acq: 16 Jun 2022 12:39

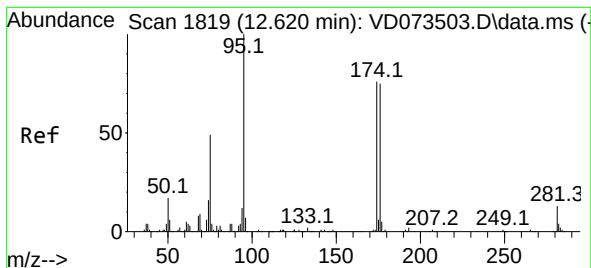
Tgt Ion: 98 Resp: 603899

Ion Ratio Lower Upper

98 100

100 66.7 52.4 78.6

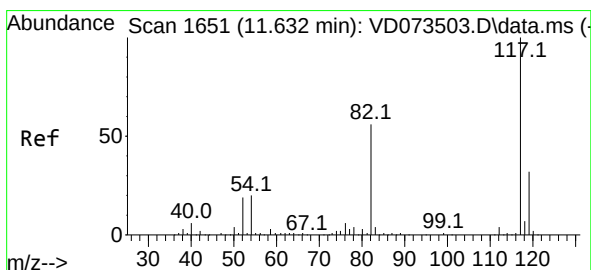
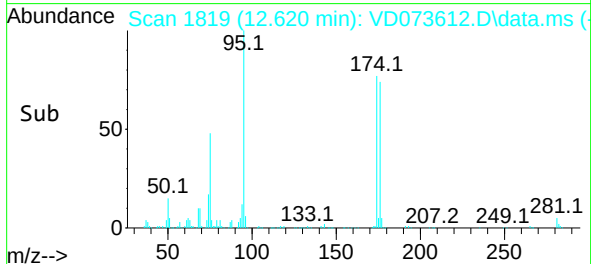
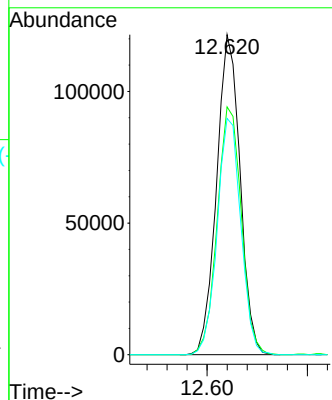
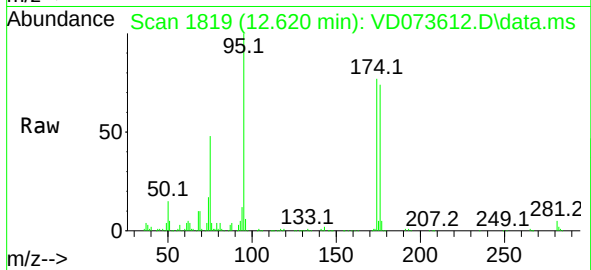




#62
4-Bromofluorobenzene
Concen: 42.995 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073612.D
Acq: 16 Jun 2022 12:39

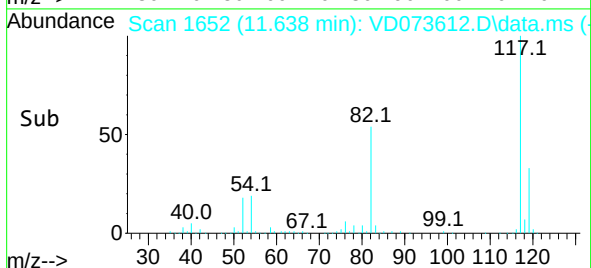
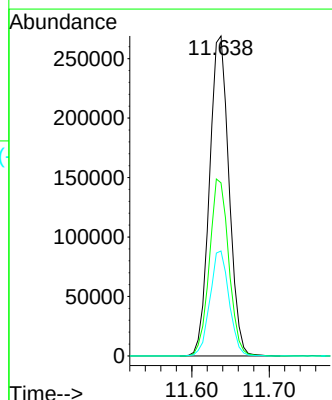
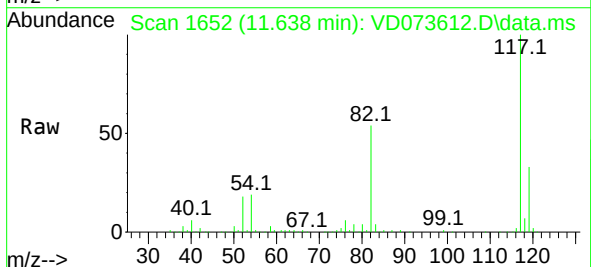
Instrument :
MSVOA_D
ClientSampleId :
PALMYRA-RT-73-COMP-3

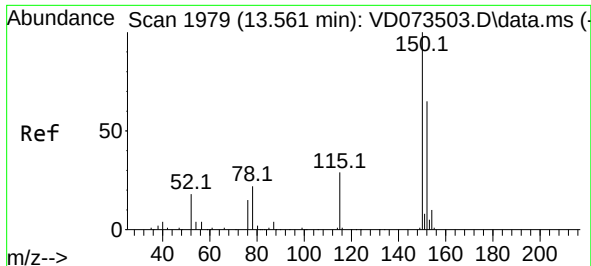
Tgt Ion: 95 Resp: 197414
Ion Ratio Lower Upper
95 100
174 79.5 0.0 152.8
176 74.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073612.D
Acq: 16 Jun 2022 12:39

Tgt Ion: 117 Resp: 469277
Ion Ratio Lower Upper
117 100
82 54.1 45.3 67.9
119 32.8 26.6 40.0

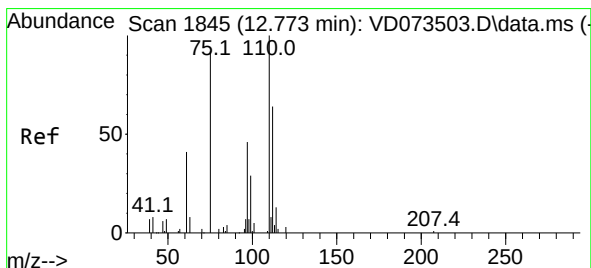
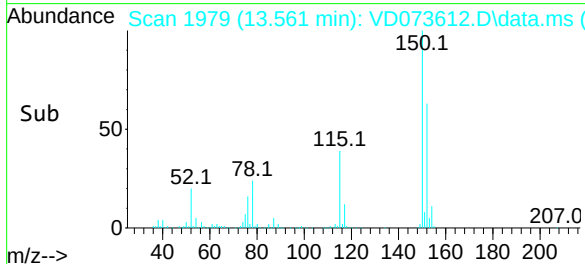
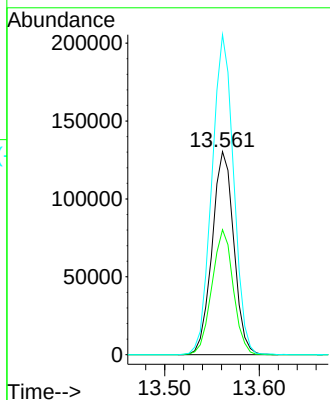
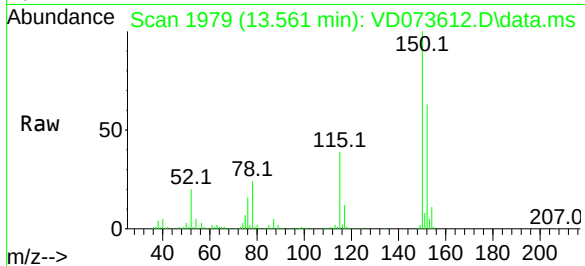




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073612.D
 Acq: 16 Jun 2022 12:39

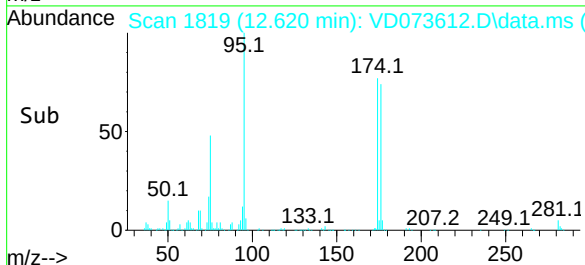
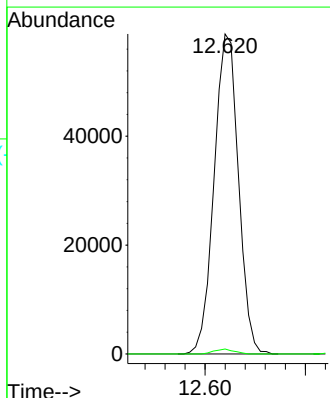
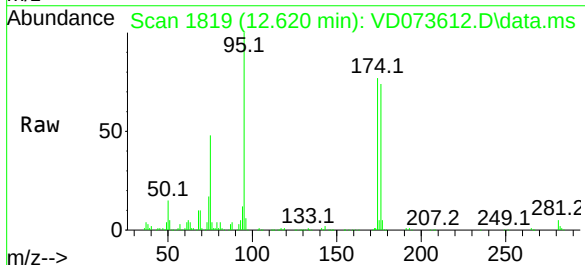
Instrument :
 MSVOA_D
 ClientSampleId :
 PALMYRA-RT-73-COMP-3

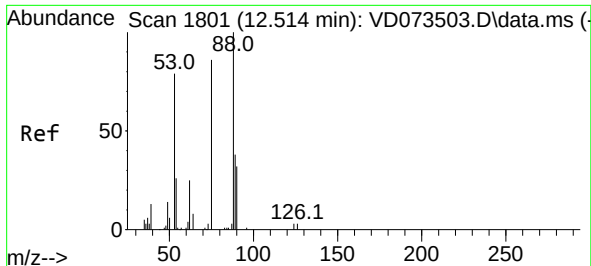
Tgt Ion:152 Resp: 207741
 Ion Ratio Lower Upper
 152 100
 115 60.6 31.3 93.8
 150 158.2 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 49.008 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD073612.D
 Acq: 16 Jun 2022 12:39

Tgt Ion: 75 Resp: 98904
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

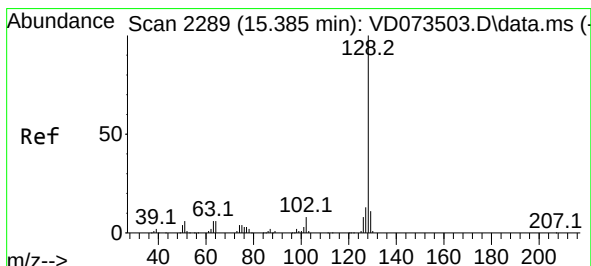
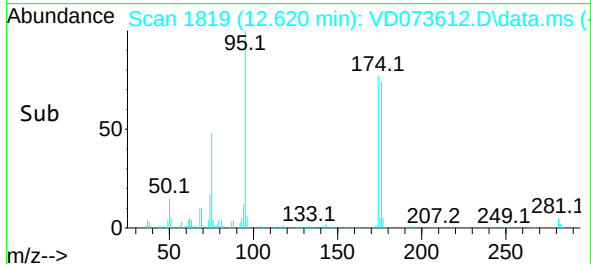
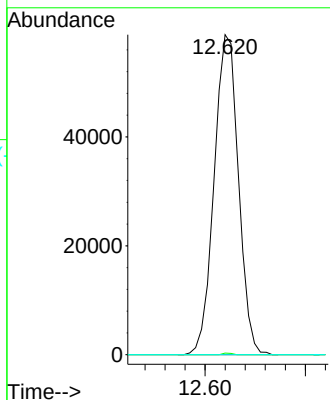
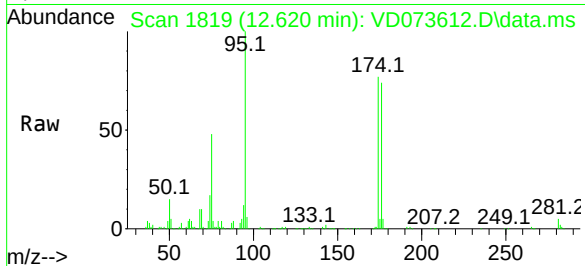




#81
trans-1,4-Dichloro-2-butene
Concen: 115.030 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073612.D
Acq: 16 Jun 2022 12:39

Instrument :
MSVOA_D
ClientSampleId :
PALMYRA-RT-73-COMP-3

Tgt Ion: 75 Resp: 98904
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.261 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073612.D
Acq: 16 Jun 2022 12:39

Tgt Ion: 128 Resp: 466
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

