

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
 Data File : VN072861.D
 Acq On : 15 Jun 2022 03:55
 Operator : JC\MD
 Sample : N3329-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PALMYRA-RT-73-COMP-2

Quant Time: Jun 15 04:38:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 15 04:13:32 2022
 Response via : Initial Calibration

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

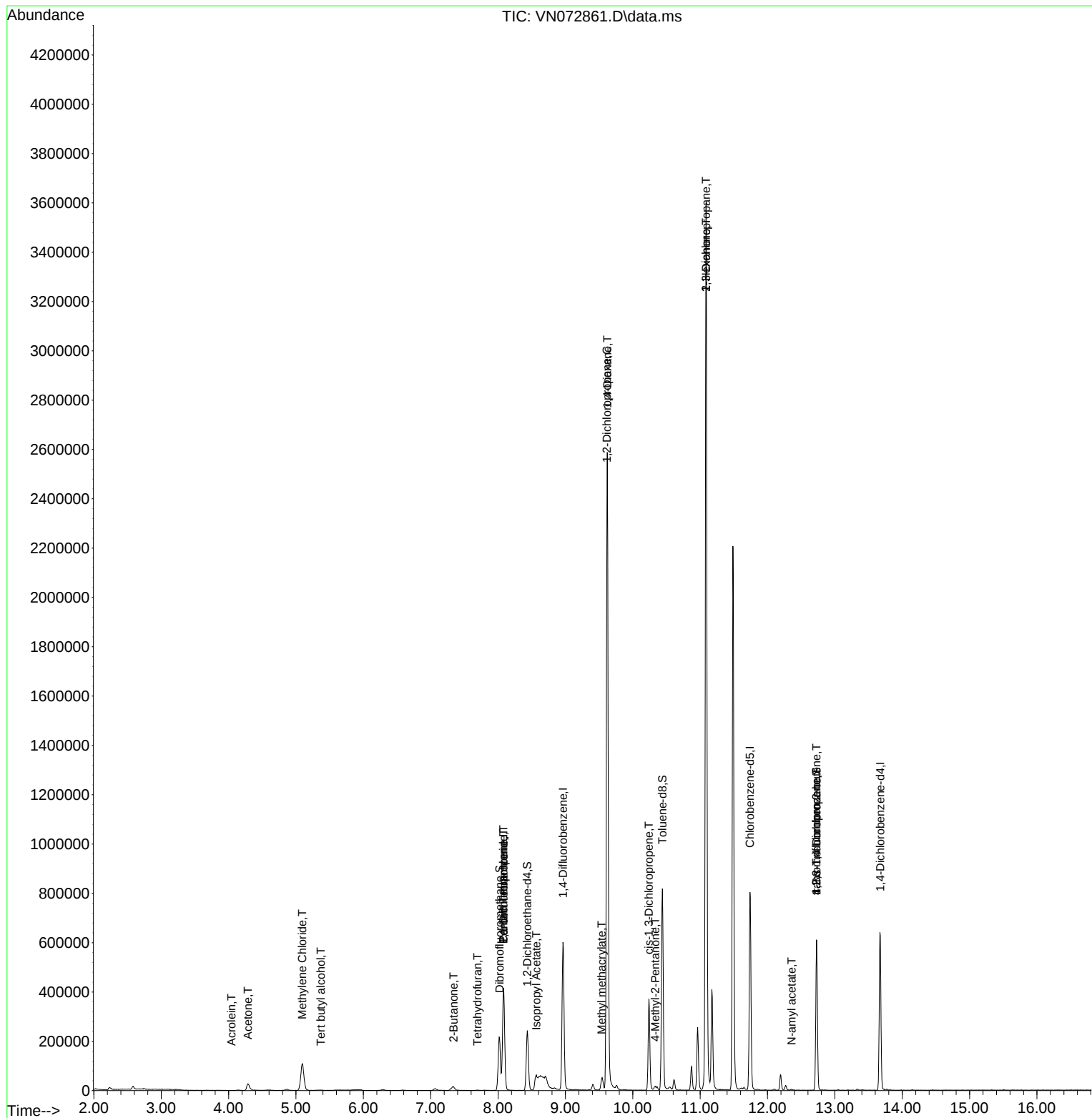
Internal Standards						
1) Pentafluorobenzene	8.081	168	295397	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	513515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	459756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	169956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	198852	43.465	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	86.920%
35) Dibromofluoromethane	8.022	113	160182	50.383	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.760%
50) Toluene-d8	10.439	98	550113	43.844	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	87.680%
62) 4-Bromofluorobenzene	12.727	95	209518	49.746	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	479	Below Cal	#	1
6) Chloroethane	3.010	64	753	Below Cal	#	84
11) Tert butyl alcohol	5.369	59	3085	0.557	ug/l	# 72
13) Acrolein	4.040	56	138	0.265	ug/l	# 16
16) Acetone	4.287	43	52956	20.711	ug/l	90
17) Carbon Disulfide	4.540	76	72	Below Cal	#	75
20) Methylene Chloride	5.093	84	85496	25.405	ug/l	86
25) 2-Butanone	7.339	43	23069	5.694	ug/l	92
29) Tetrahydrofuran	7.692	42	1734	0.670	ug/l	# 45
31) Cyclohexane	8.086	56	7471	Below Cal	#	35
36) 1,1-Dichloropropene	8.081	75	26808	6.314	ug/l	# 48
38) Carbon Tetrachloride	8.081	117	31264	7.376	ug/l	# 15
43) Isopropyl Acetate	8.569	43	83952	7.954	ug/l	# 72
45) 1,2-Dichloropropane	9.616	63	3120	0.835	ug/l	# 44
48) Methyl methacrylate	9.539	41	14805	2.942	ug/l	# 10
49) 1,4-Dioxane	9.622	88	345	3.380	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.333	43	11336	1.567	ug/l	90
54) cis-1,3-Dichloropropene	10.239	75	65014	12.078	ug/l	# 68
57) 1,3-Dichloropropane	11.086	76	37955	5.867	ug/l	# 43
59) 2-Hexanone	11.086	43	609053	112.134	ug/l	# 44
74) N-amyl acetate	12.357	43	3356	0.445	ug/l	# 41
76) 1,2,3-Trichloropropane	12.727	75	111519	22.748	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	111519	70.745	ug/l	# 10

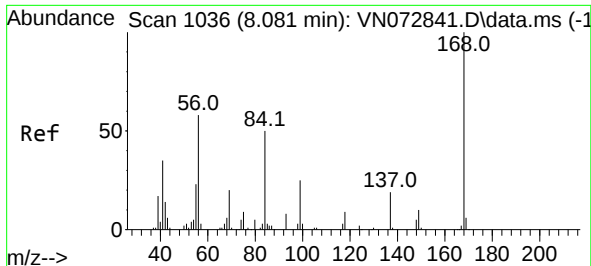
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 15 04:13:32 2022
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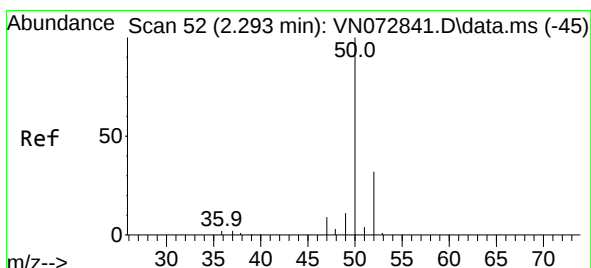
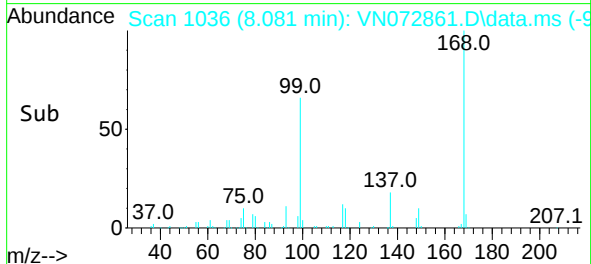
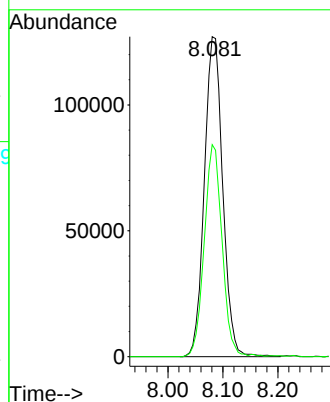
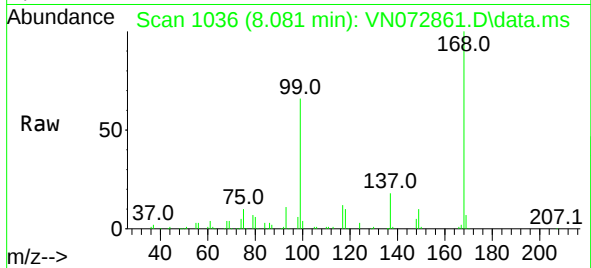




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

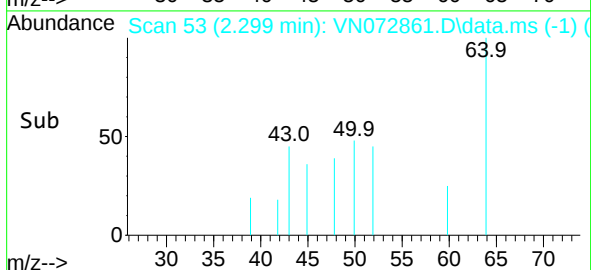
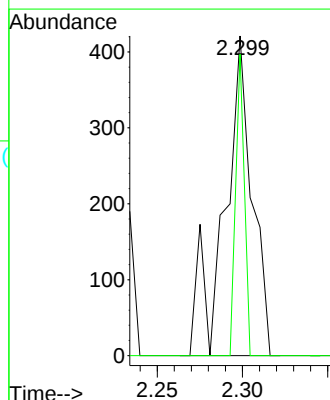
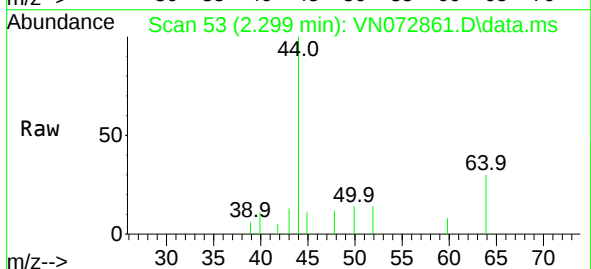
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2

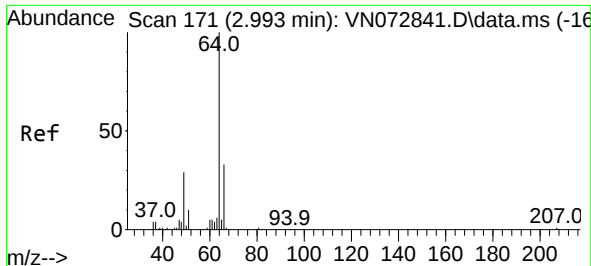
Tgt Ion:168 Resp: 295397
Ion Ratio Lower Upper
168 100
99 66.2 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. 0.006 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

Tgt Ion: 50 Resp: 479
Ion Ratio Lower Upper
50 100
52 94.3 25.7 38.5#

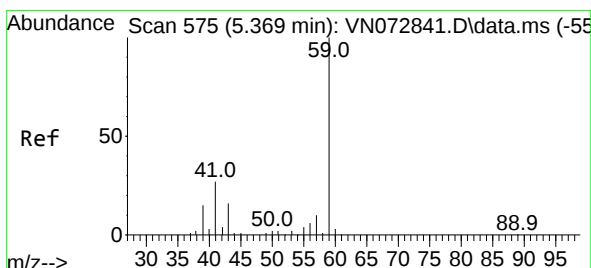
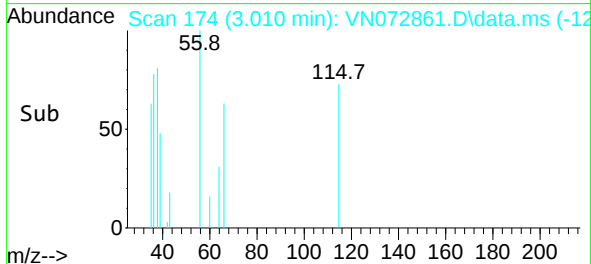
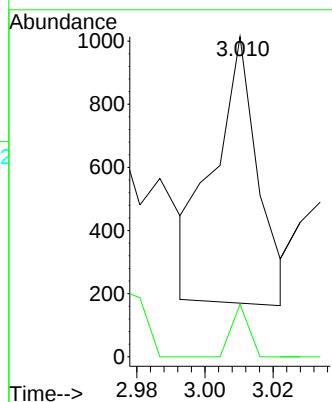
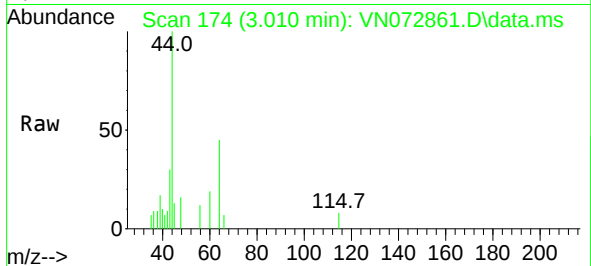




#6
Chloroethane
Concen: Below Cal
RT: 3.010 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

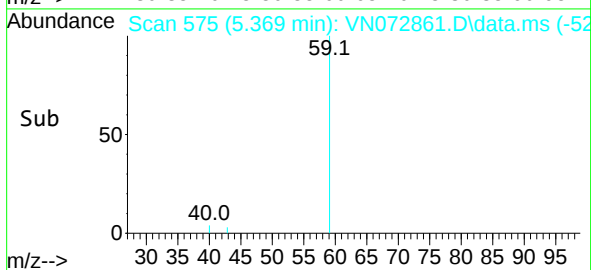
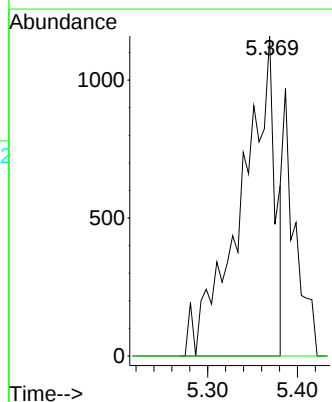
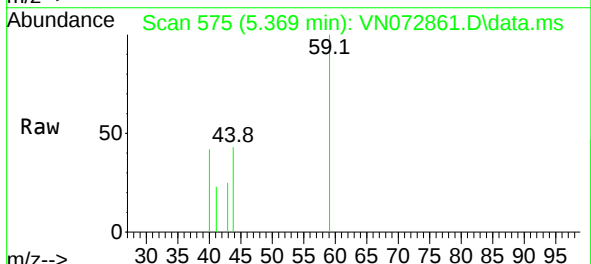
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2

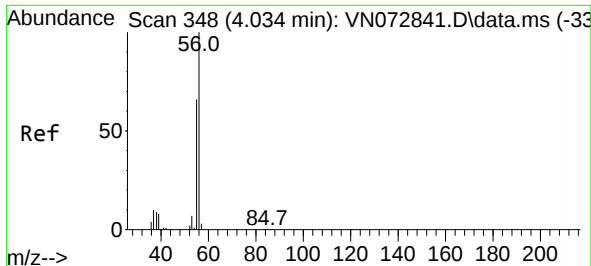
Tgt Ion: 64 Resp: 753
Ion Ratio Lower Upper
64 100
66 23.6 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.557 ug/l
RT: 5.369 min Scan# 575
Delta R.T. -0.000 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

Tgt Ion: 59 Resp: 3085
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

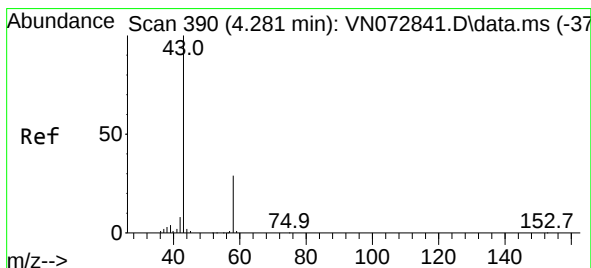
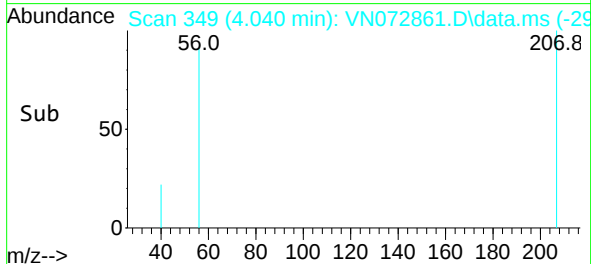
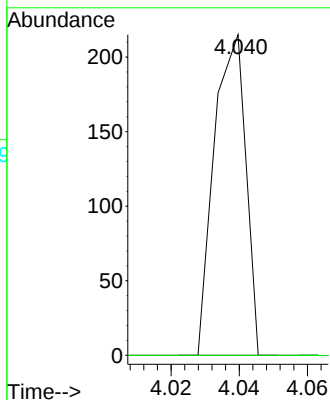
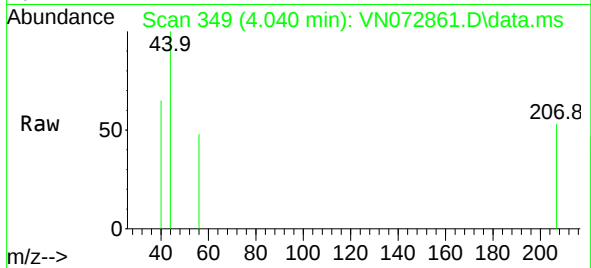




#13
Acrolein
Concen: 0.265 ug/l
RT: 4.040 min Scan# 34
Delta R.T. 0.006 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

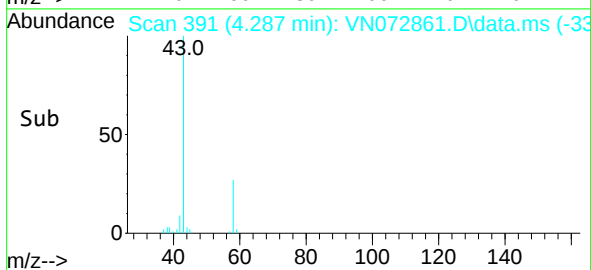
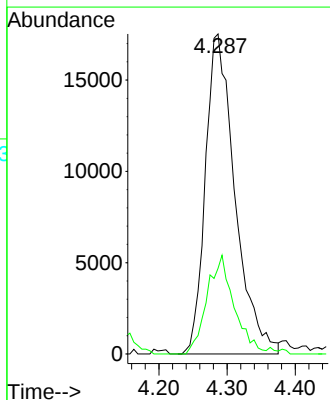
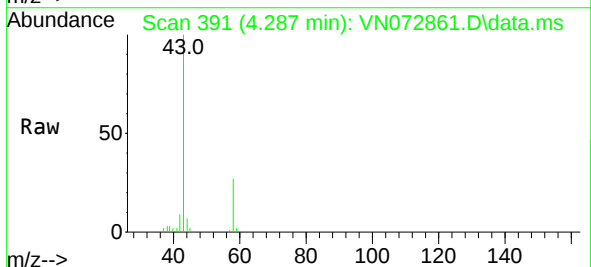
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2

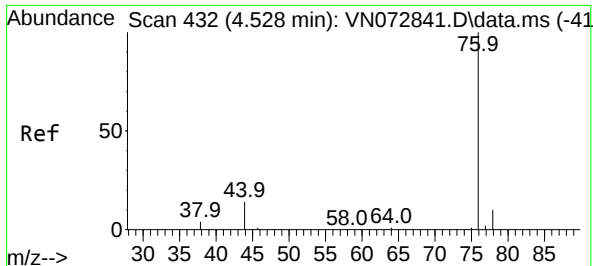
Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 20.711 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

Tgt Ion: 43 Resp: 52956
Ion Ratio Lower Upper
43 100
58 26.7 26.0 39.0

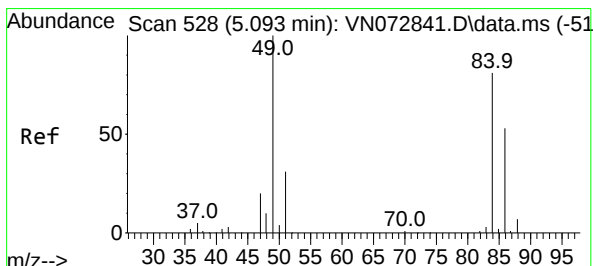
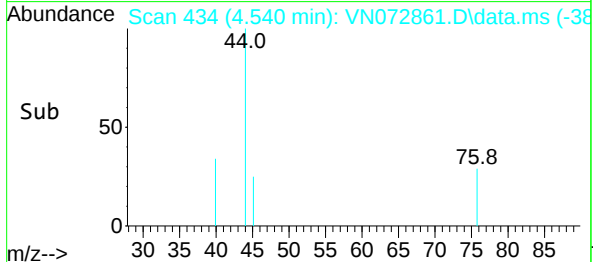
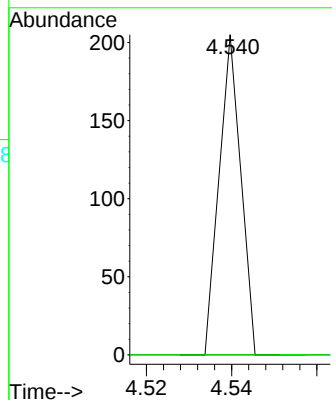
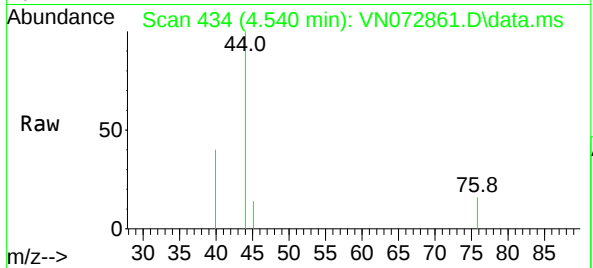




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.540 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

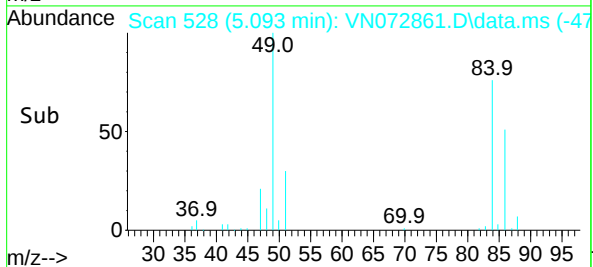
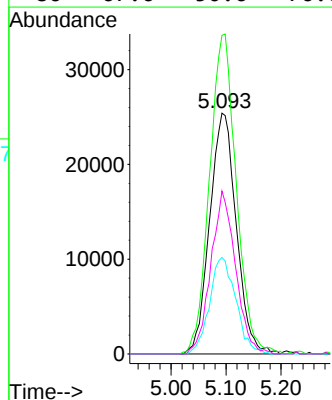
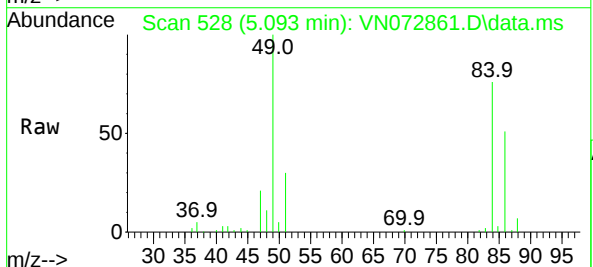
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2

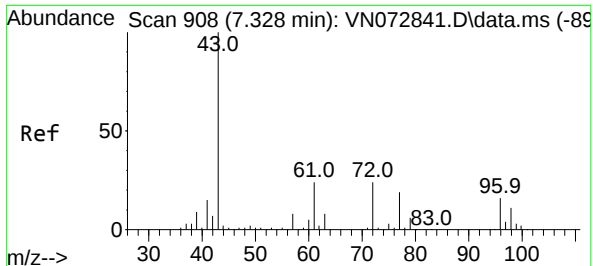
Tgt Ion: 76 Resp: 72
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 25.405 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

Tgt Ion: 84 Resp: 85496
Ion Ratio Lower Upper
84 100
49 132.3 88.3 132.5
51 40.1 28.2 42.2
86 67.6 50.6 76.0





#25

2-Butanone

Concen: 5.694 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.011 min

Lab File: VN072861.D

Acq: 15 Jun 2022 03:55

Instrument :

MSVOA_N

ClientSampleId :

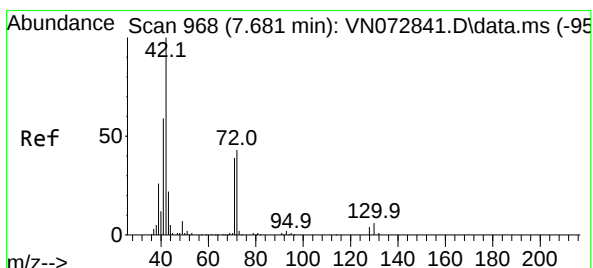
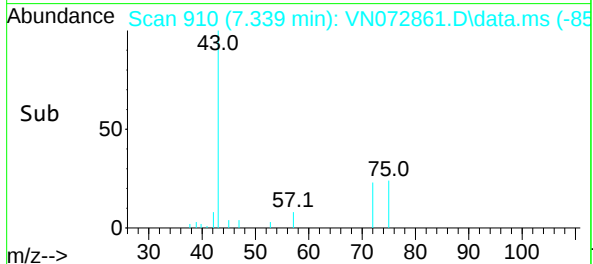
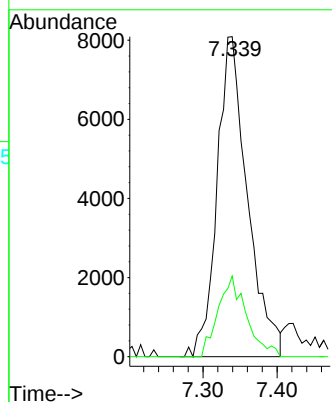
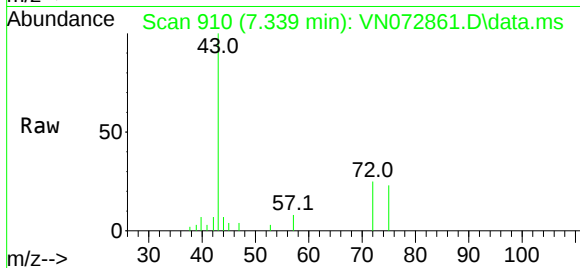
PALMYRA-RT-73-COMP-2

Tgt Ion: 43 Resp: 23069

Ion Ratio Lower Upper

43 100

72 25.2 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.670 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.011 min

Lab File: VN072861.D

Acq: 15 Jun 2022 03:55

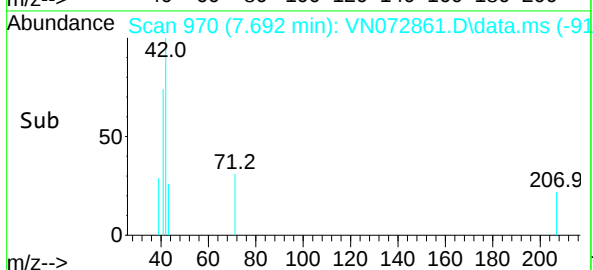
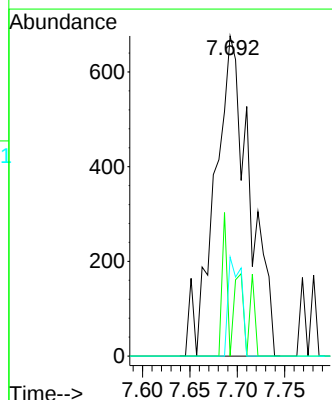
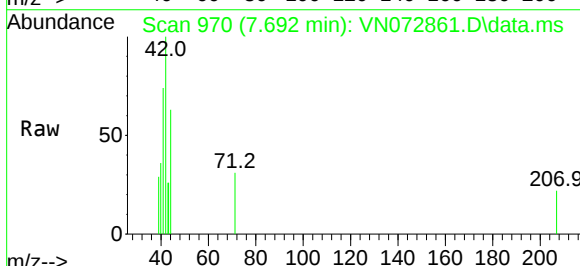
Tgt Ion: 42 Resp: 1734

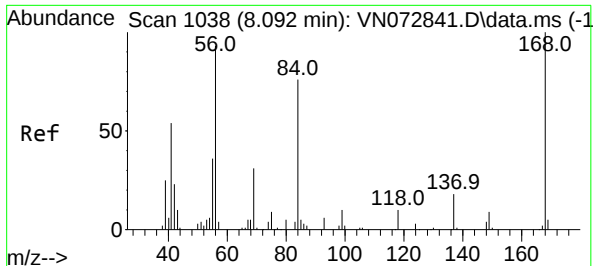
Ion Ratio Lower Upper

42 100

72 9.5 39.7 59.5#

71 11.4 36.6 55.0#





#31

Cyclohexane

Concen: Below Cal

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN072861.D

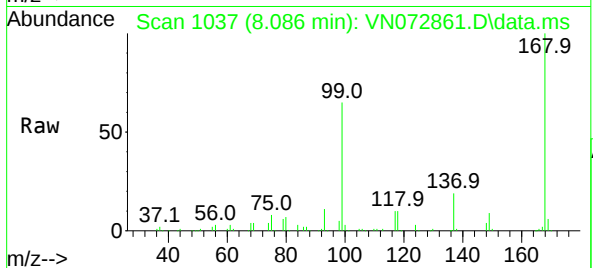
Acq: 15 Jun 2022 03:55

Instrument :

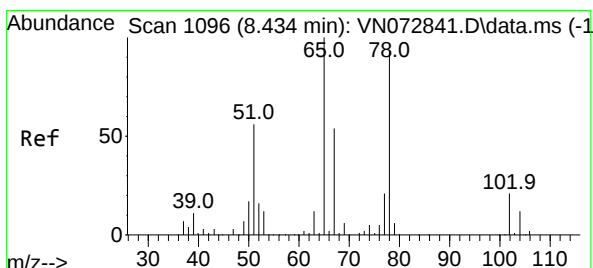
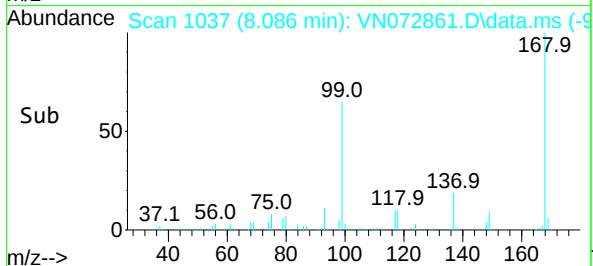
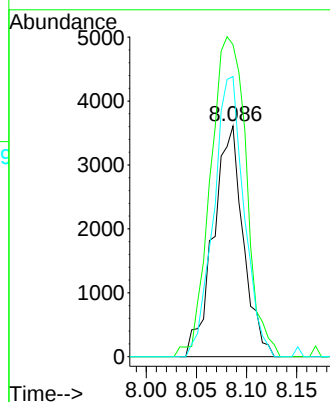
MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-2



Tgt Ion:	56	Resp:	7471
Ion Ratio	100	Lower	Upper
56	100		
69	135.3	27.8	41.8#
84	121.5	76.9	115.3#



#33

1,2-Dichloroethane-d4

Concen: 43.465 ug/l

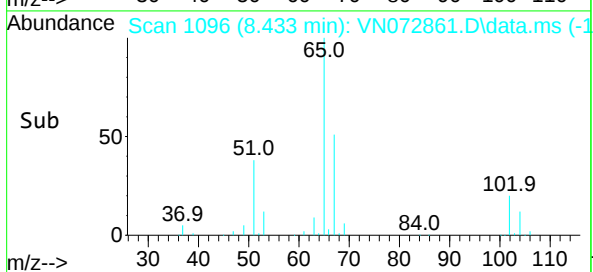
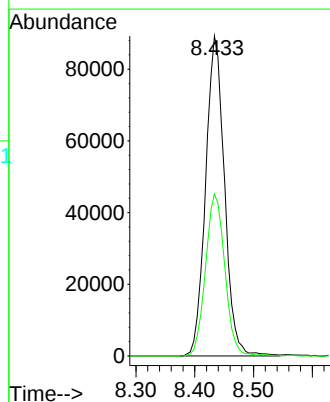
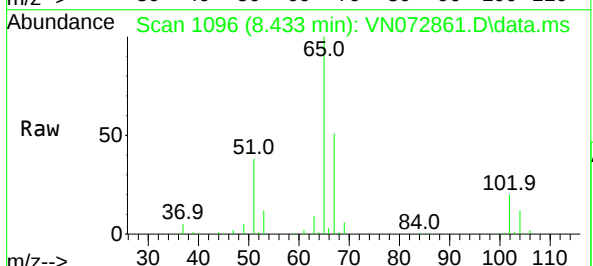
RT: 8.433 min Scan# 1096

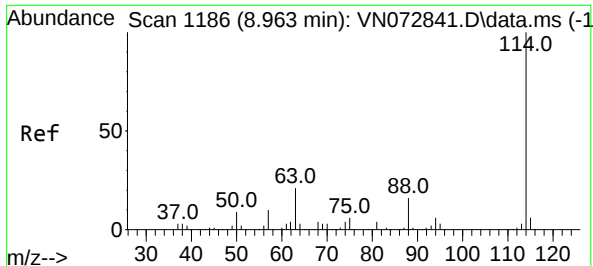
Delta R.T. -0.001 min

Lab File: VN072861.D

Acq: 15 Jun 2022 03:55

Tgt Ion:	65	Resp:	198852
Ion Ratio	100	Lower	Upper
65	100		
67	51.5	0.0	104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072861.D

Acq: 15 Jun 2022 03:55

Instrument :

MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-2

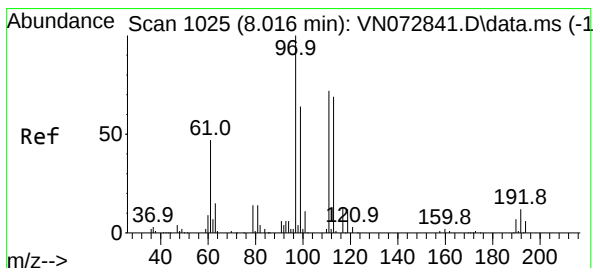
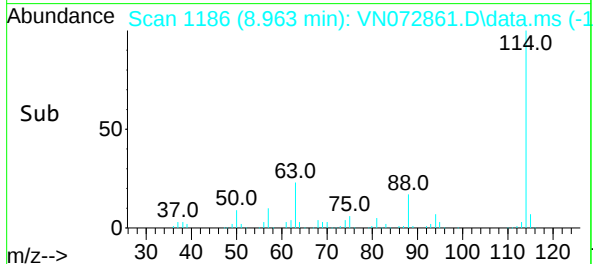
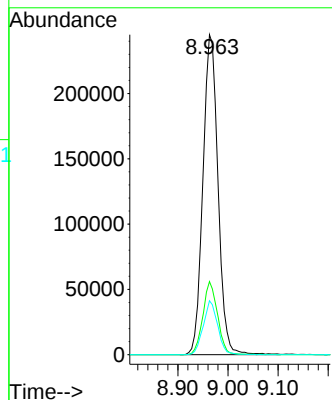
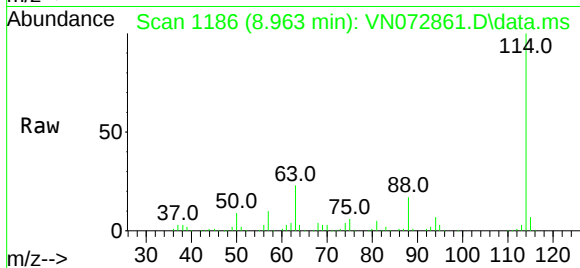
Tgt Ion:114 Resp: 513515

Ion Ratio Lower Upper

114 100

63 22.9 0.0 40.0

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.383 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072861.D

Acq: 15 Jun 2022 03:55

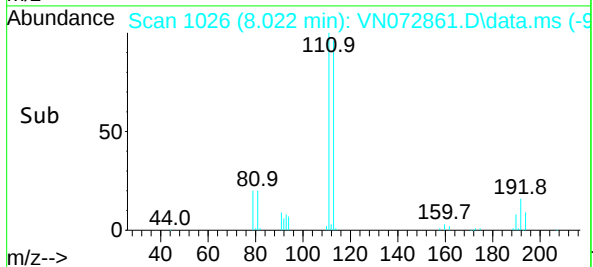
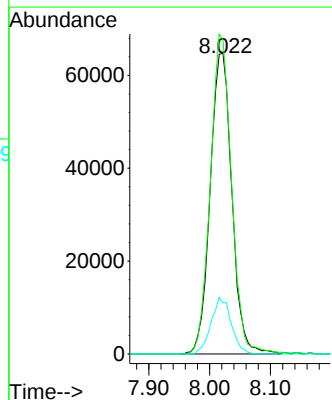
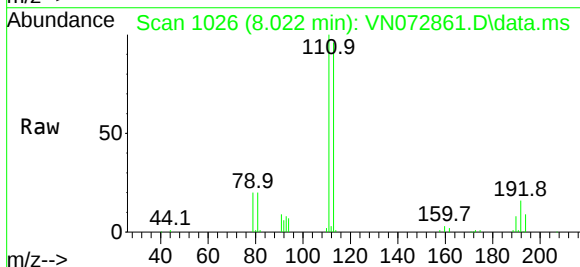
Tgt Ion:113 Resp: 160182

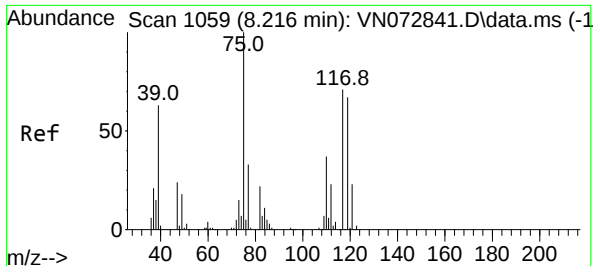
Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

192 17.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 6.314 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072861.D

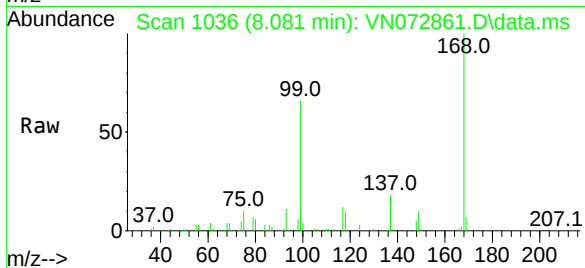
Acq: 15 Jun 2022 03:55

Instrument :

MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-2



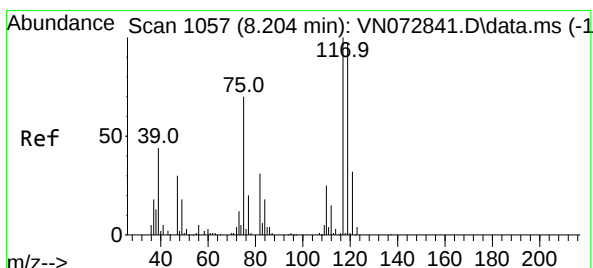
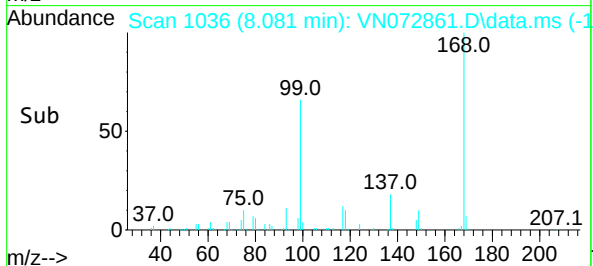
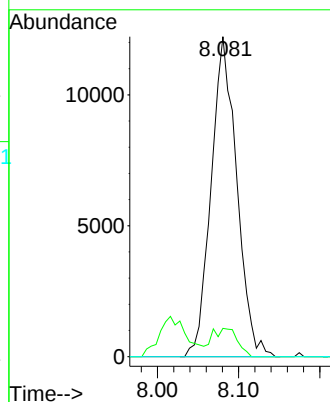
Tgt Ion: 75 Resp: 26808

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.376 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072861.D

Acq: 15 Jun 2022 03:55

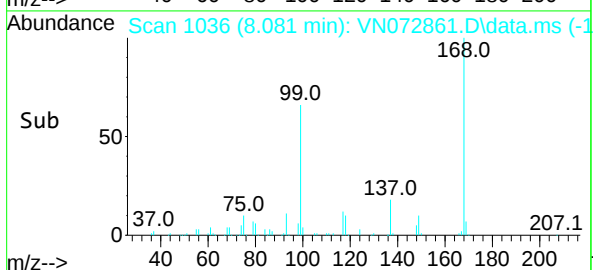
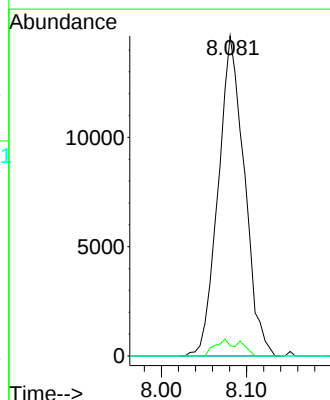
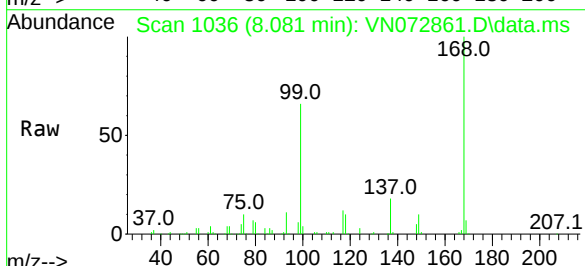
Tgt Ion: 117 Resp: 31264

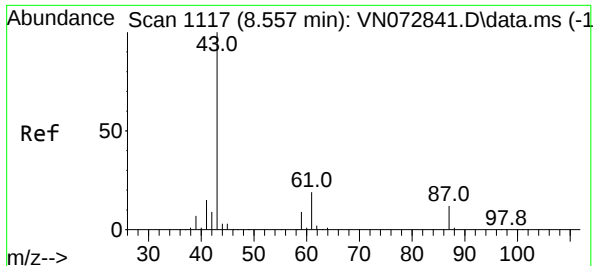
Ion Ratio Lower Upper

117 100

119 3.2 75.8 113.8#

121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 7.954 ug/l

RT: 8.569 min Scan# 1119

Delta R.T. 0.012 min

Lab File: VN072861.D

Acq: 15 Jun 2022 03:55

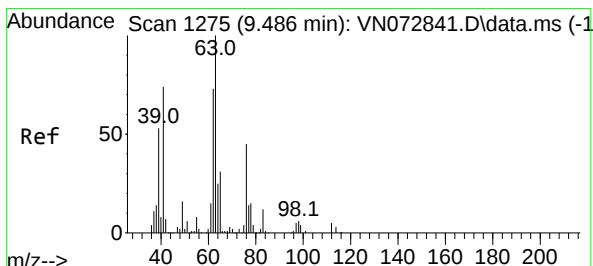
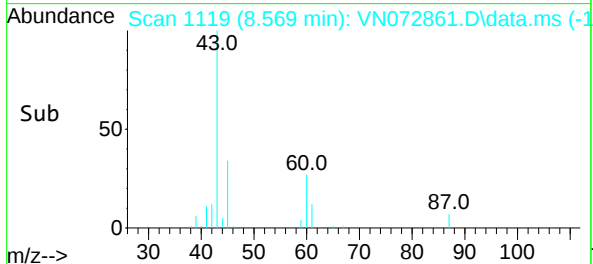
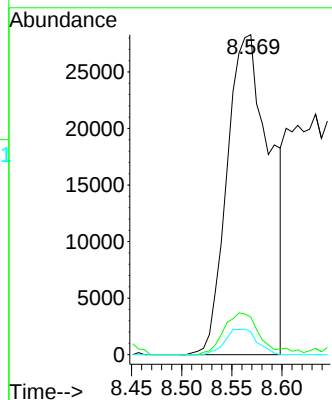
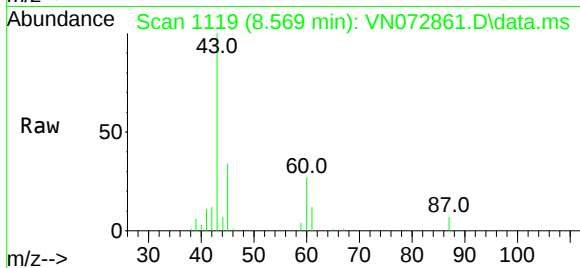
Instrument :

MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-2

Tgt Ion:	43	Resp:	83952
Ion Ratio	Lower	Upper	
43	100		
61	11.2	21.9	32.9#
87	5.9	12.0	18.0#



#45

1,2-Dichloropropane

Concen: 0.835 ug/l

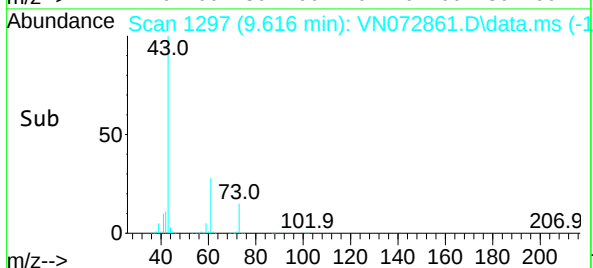
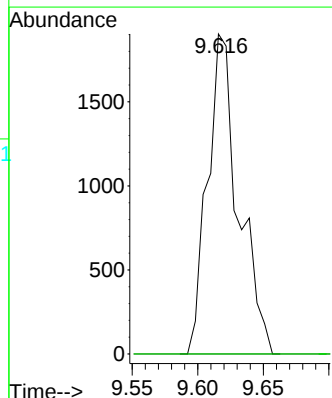
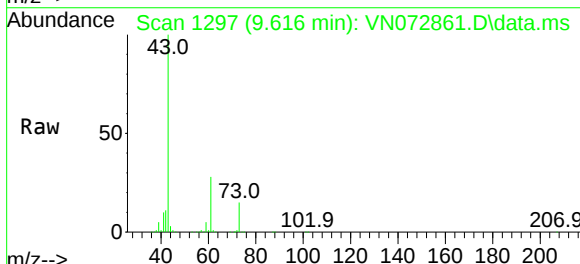
RT: 9.616 min Scan# 1297

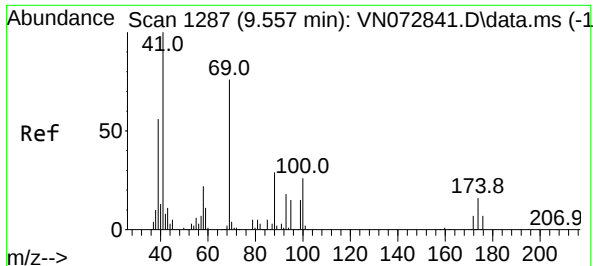
Delta R.T. 0.130 min

Lab File: VN072861.D

Acq: 15 Jun 2022 03:55

Tgt Ion:	63	Resp:	3120
Ion Ratio	Lower	Upper	
63	100		
65	0.0	24.9	37.3#

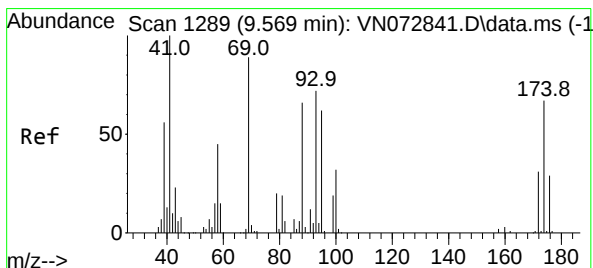
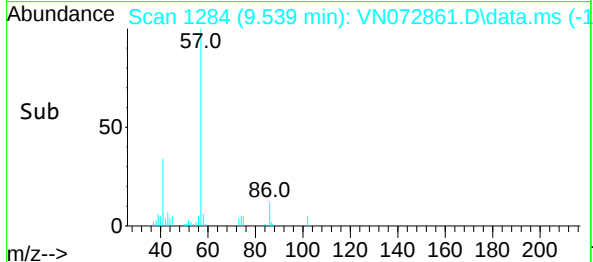
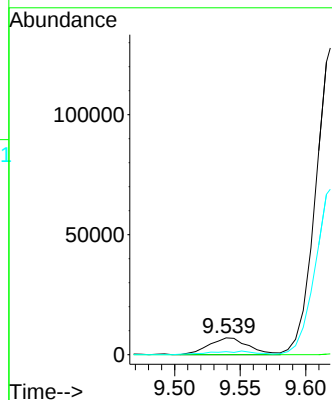
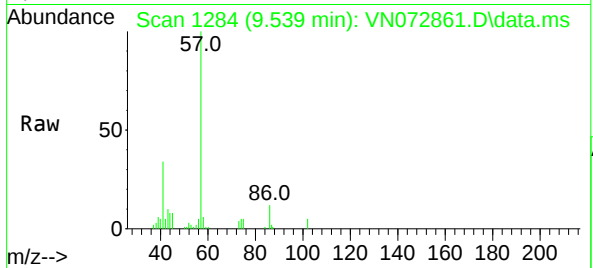




#48
Methyl methacrylate
Concen: 2.942 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.018 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

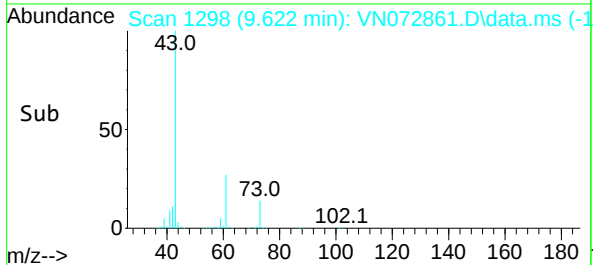
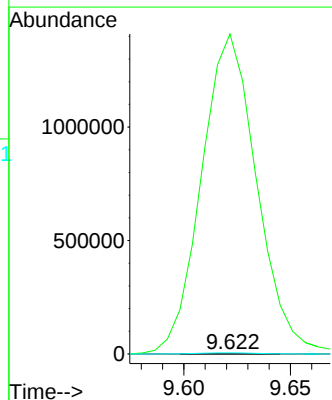
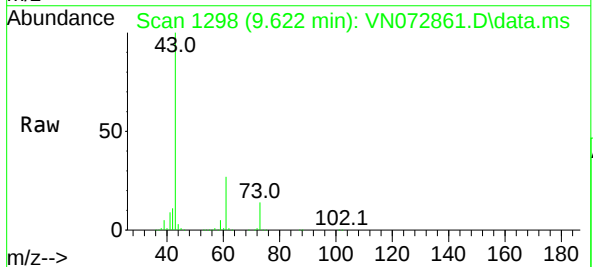
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2

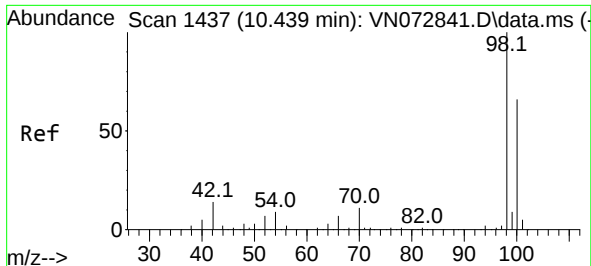
Tgt Ion: 41 Resp: 14805
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 3.380 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.053 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

Tgt Ion: 88 Resp: 345
Ion Ratio Lower Upper
88 100
43 750543.5 20.2 30.4#
58 2975.4 54.2 81.4#

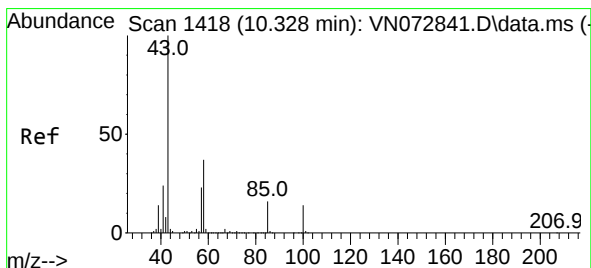
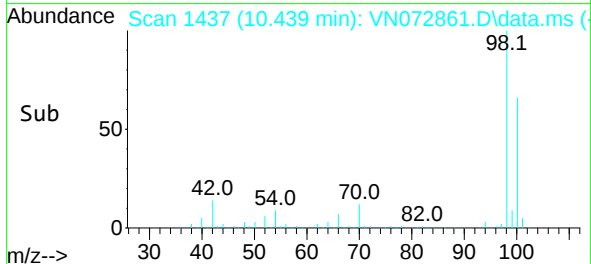
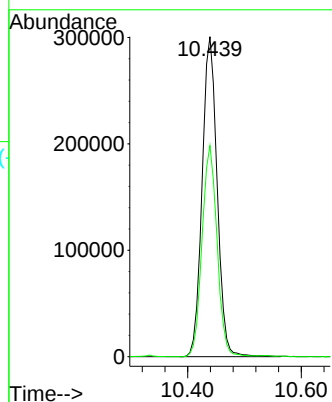
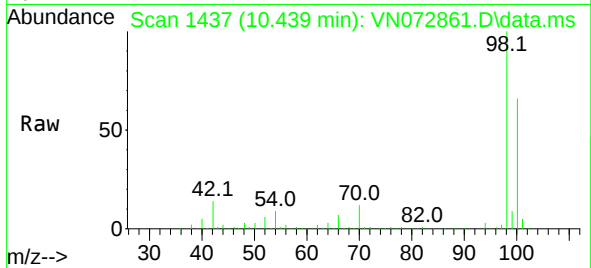




#50
Toluene-d8
Concen: 43.844 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

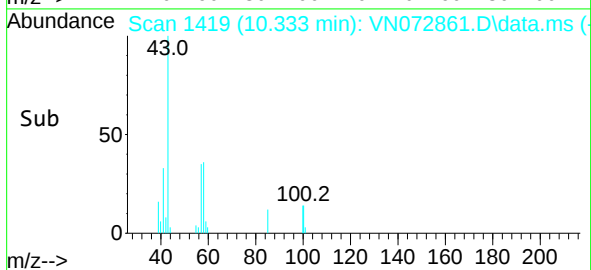
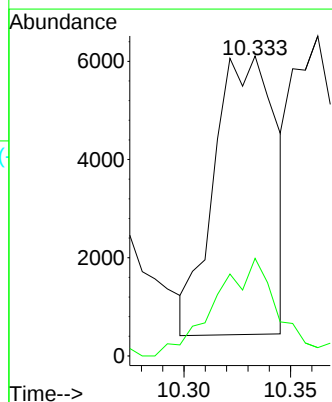
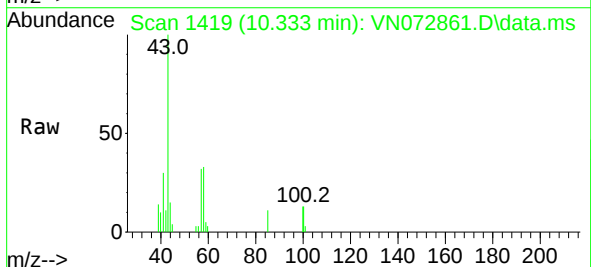
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2

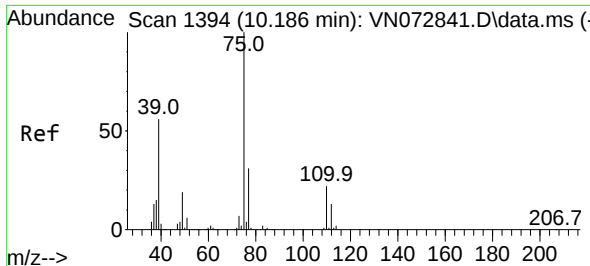
Tgt Ion: 98 Resp: 550113
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.567 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.005 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

Tgt Ion: 43 Resp: 11336
Ion Ratio Lower Upper
43 100
58 36.5 34.1 51.1

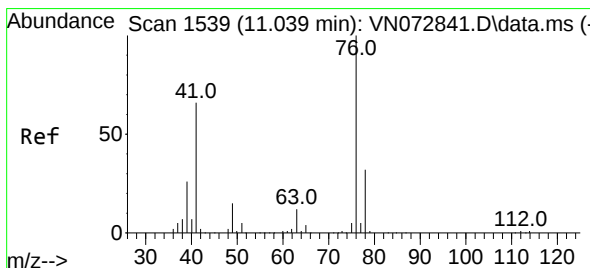
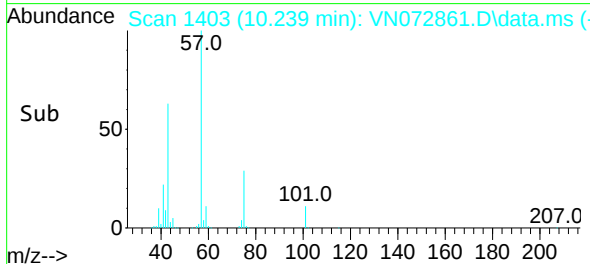
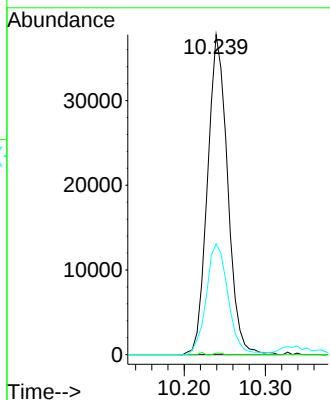
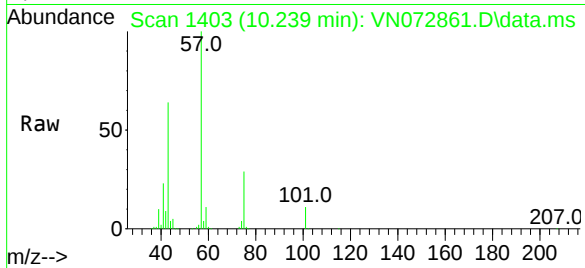




#54
 cis-1,3-Dichloropropene
 Concen: 12.078 ug/l
 RT: 10.239 min Scan# 14
 Delta R.T. 0.053 min
 Lab File: VN072861.D
 Acq: 15 Jun 2022 03:55

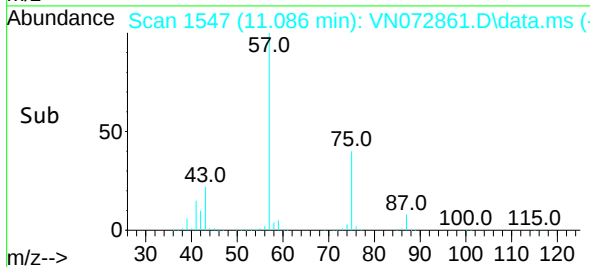
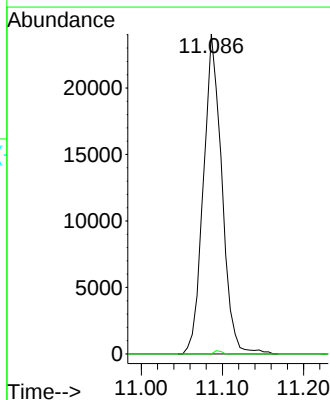
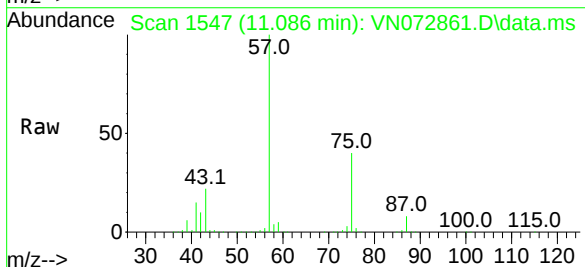
Instrument :
 MSVOA_N
 ClientSampleId :
 PALMYRA-RT-73-COMP-2

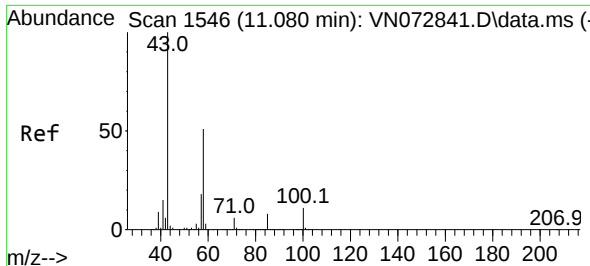
Tgt Ion: 75 Resp: 65014
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 34.6 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 5.867 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072861.D
 Acq: 15 Jun 2022 03:55

Tgt Ion: 76 Resp: 37955
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

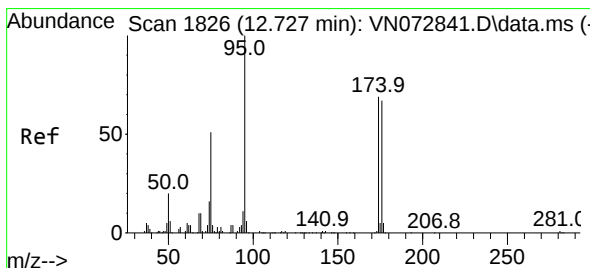
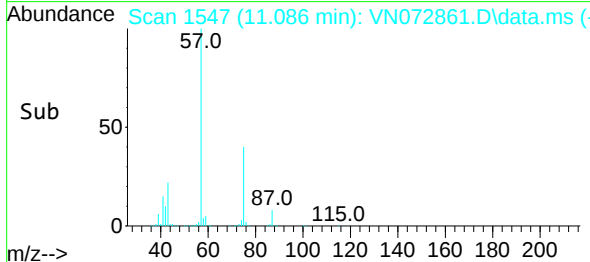
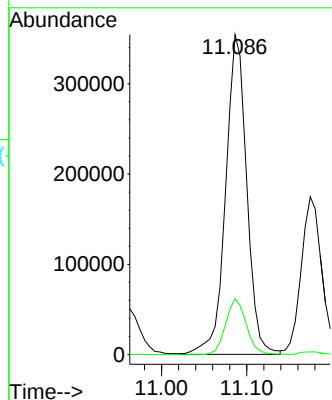
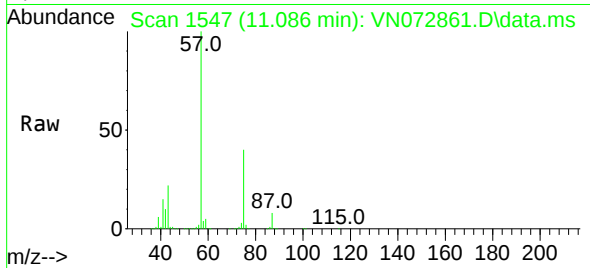




#59
2-Hexanone
Concen: 112.134 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

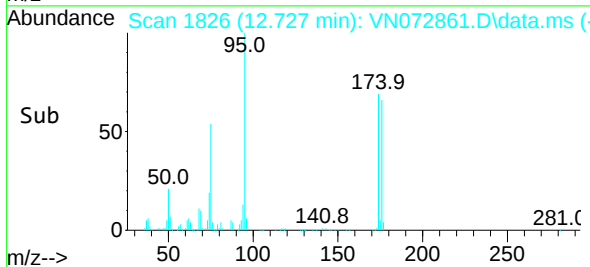
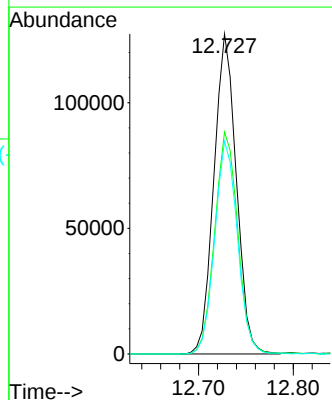
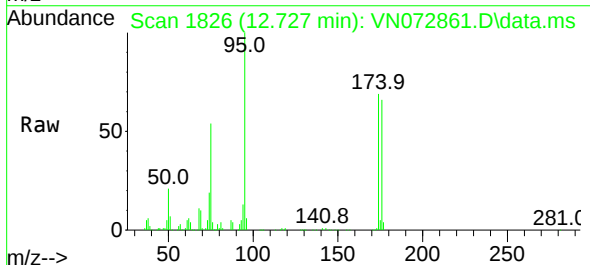
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2

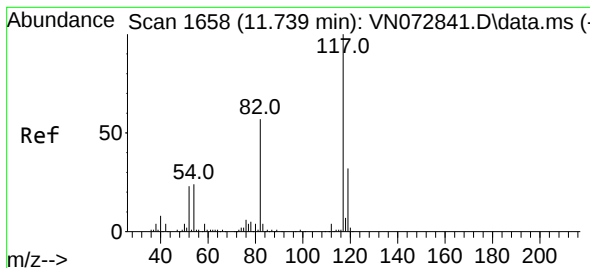
Tgt Ion: 43 Resp: 609053
Ion Ratio Lower Upper
43 100
58 17.2 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 49.746 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

Tgt Ion: 95 Resp: 209518
Ion Ratio Lower Upper
95 100
174 71.4 0.0 167.6
176 67.5 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072861.D

Acq: 15 Jun 2022 03:55

Instrument :

MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-2

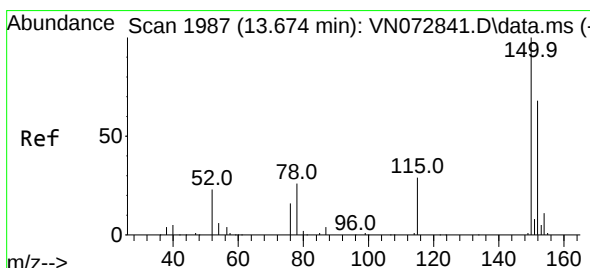
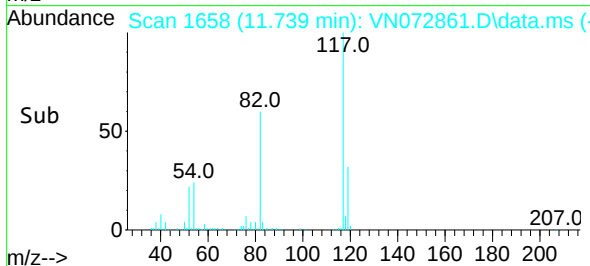
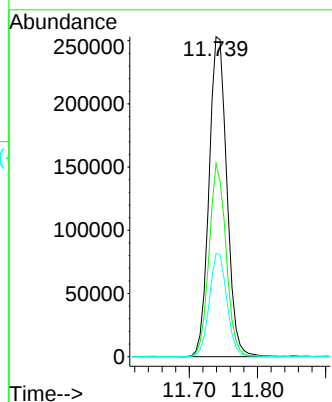
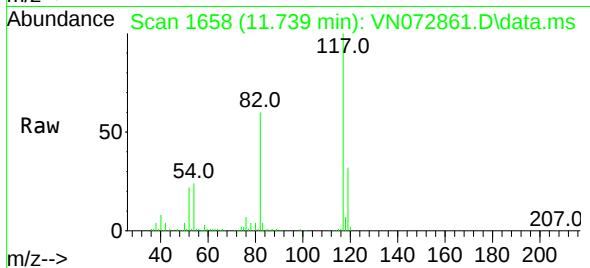
Tgt Ion:117 Resp: 459756

Ion Ratio Lower Upper

117 100

82 60.3 44.2 66.2

119 32.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.674 min Scan# 1987

Delta R.T. 0.000 min

Lab File: VN072861.D

Acq: 15 Jun 2022 03:55

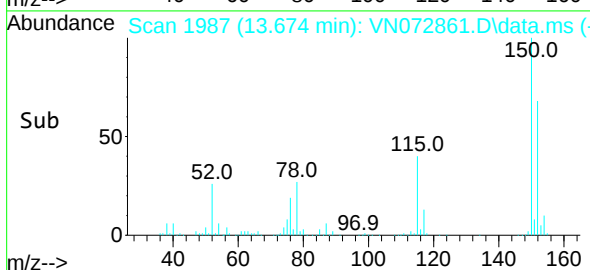
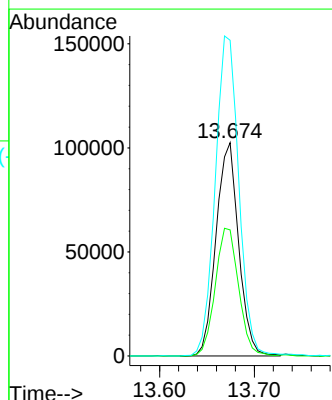
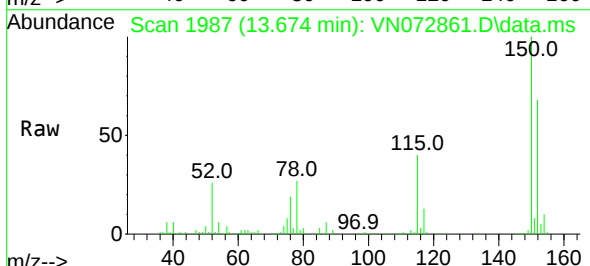
Tgt Ion:152 Resp: 169956

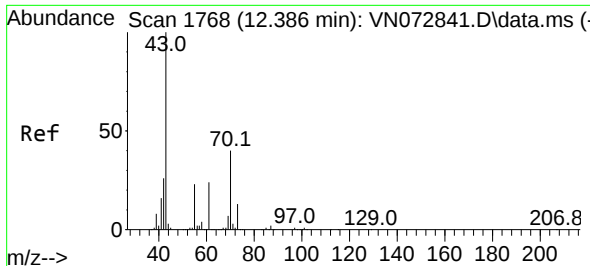
Ion Ratio Lower Upper

152 100

115 62.0 28.9 86.7

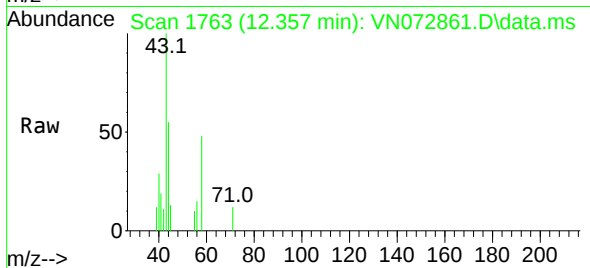
150 157.3 0.0 356.2



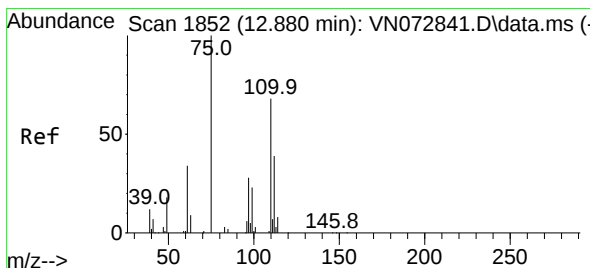
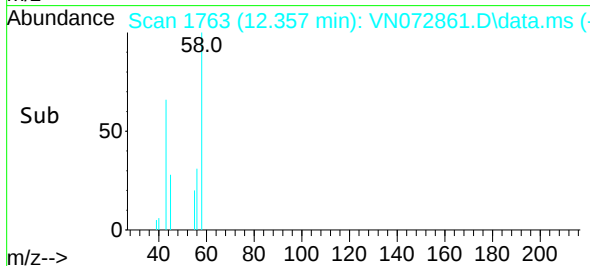
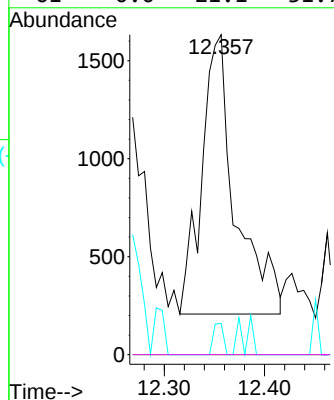


#74
N-amy1 acetate
Concen: 0.445 ug/l
RT: 12.357 min Scan# 1763
Delta R.T. -0.029 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2

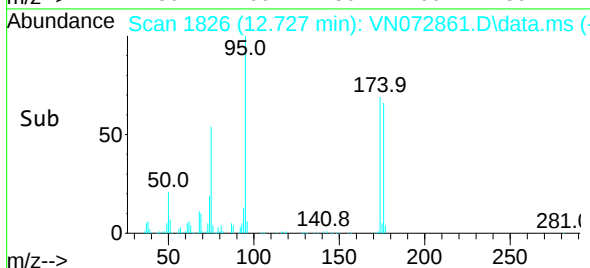
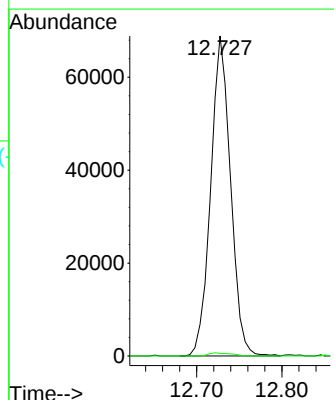
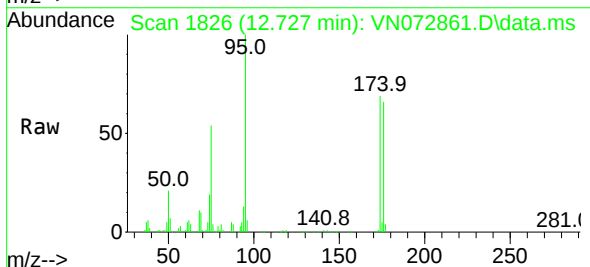


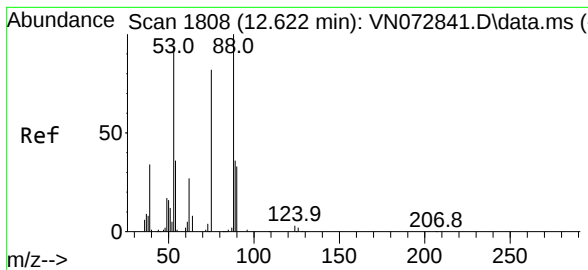
Tgt Ion: 43	Resp: 3356
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.4#
55	3.3 21.1 31.7#
61	0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 22.748 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.153 min
Lab File: VN072861.D
Acq: 15 Jun 2022 03:55

Tgt Ion: 75	Resp: 111519
Ion Ratio	Lower Upper
75	100
77	1.1 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.745 ug/l
 RT: 12.727 min Scan# 11
 Delta R.T. 0.105 min
 Lab File: VN072861.D
 Acq: 15 Jun 2022 03:55

Instrument :
 MSVOA_N
 ClientSampleId :
 PALMYRA-RT-73-COMP-2

Tgt Ion: 75 Resp: 111519
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

