

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061822\
 Data File : VN072935.D
 Acq On : 18 Jun 2022 13:19
 Operator : JC\MD
 Sample : N3329-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 20 08:03:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

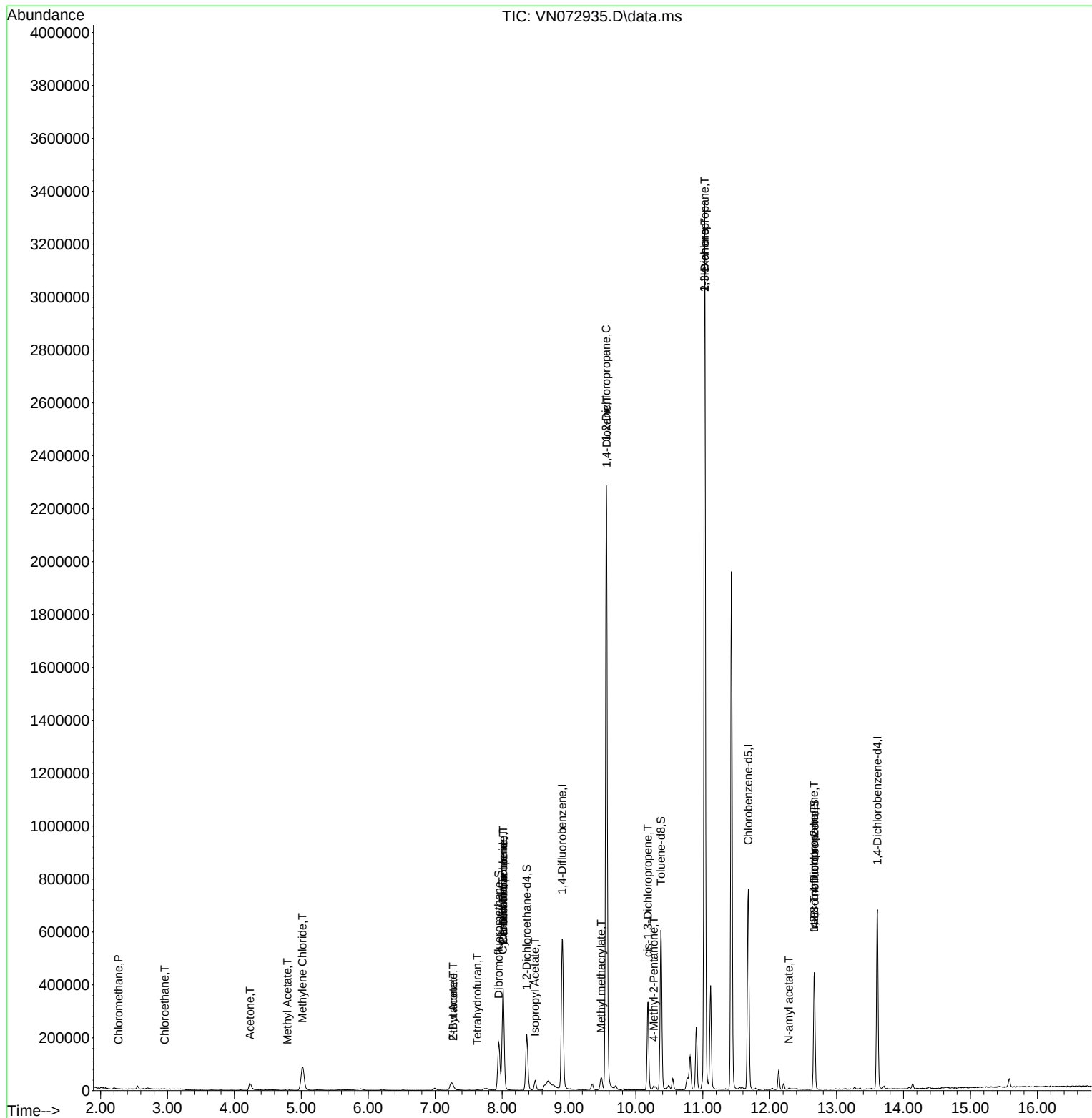
Internal Standards						
1) Pentafluorobenzene	8.016	168	292179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	526152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	448608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	187644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	175966	44.546	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.100%		
35) Dibromofluoromethane	7.951	113	133583	41.076	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	82.160%		
50) Toluene-d8	10.374	98	421737	34.851	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	69.700%#		
62) 4-Bromofluorobenzene	12.668	95	147379	33.869	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	67.740%#		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	524	0.743	ug/l #	59
6) Chloroethane	2.957	64	645	0.413	ug/l	99
16) Acetone	4.234	43	49658	22.869	ug/l #	88
18) Methyl Acetate	4.793	43	9683	1.675	ug/l #	87
20) Methylene Chloride	5.016	84	74095	21.864	ug/l	93
25) 2-Butanone	7.269	43	22957	6.663	ug/l #	89
26) 2,2-Dichloropropane	7.239	77	1913	Below Cal	#	53
29) Tetrahydrofuran	7.628	42	1445	0.635	ug/l #	29
31) Cyclohexane	8.010	56	6421	1.202	ug/l #	31
36) 1,1-Dichloropropene	8.016	75	22497	5.112	ug/l #	49
37) Ethyl Acetate	7.269	43	22957	3.262	ug/l #	67
38) Carbon Tetrachloride	8.016	117	29503	6.374	ug/l #	17
43) Isopropyl Acetate	8.492	43	41837	4.158	ug/l #	88
45) 1,2-Dichloropropane	9.557	63	2984	0.844	ug/l #	44
48) Methyl methacrylate	9.480	41	14538	3.165	ug/l #	22
49) 1,4-Dioxane	9.563	88	330	3.193	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	11228	1.711	ug/l #	79
54) cis-1,3-Dichloropropene	10.180	75	61211	10.969	ug/l #	62
57) 1,3-Dichloropropane	11.027	76	35122	5.679	ug/l #	42
59) 2-Hexanone	11.027	43	531556	104.748	ug/l #	44
74) N-amyl acetate	12.286	43	5044	0.670	ug/l #	40
76) 1,2,3-Trichloropropane	12.663	75	73638	16.186	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.663	75	73638	43.713	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.521	75	63	Below Cal	#	1

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

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Response via : Initial Calibration

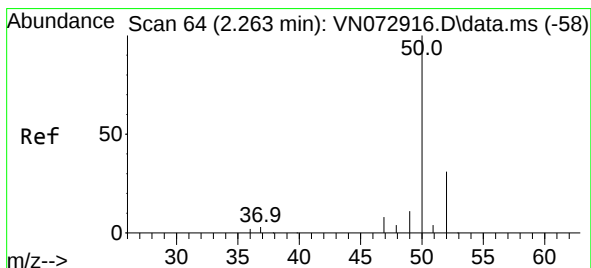
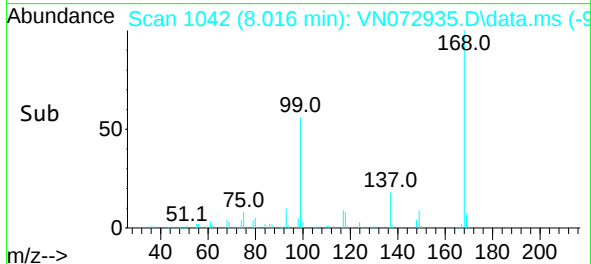
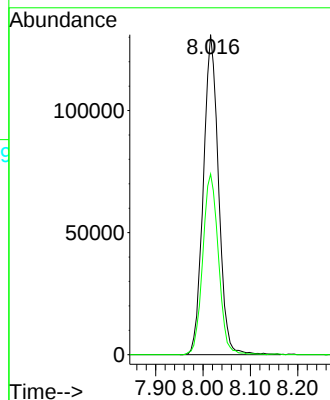
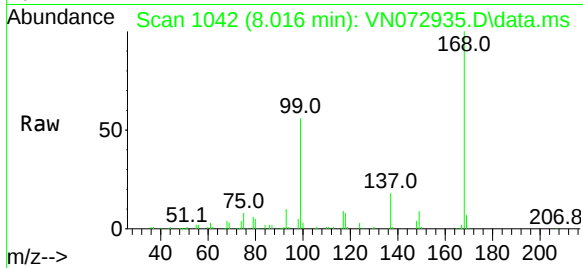




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

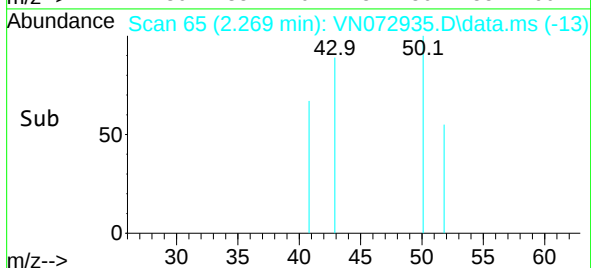
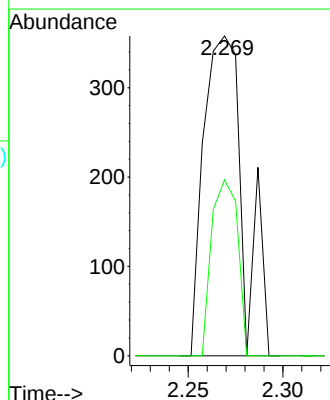
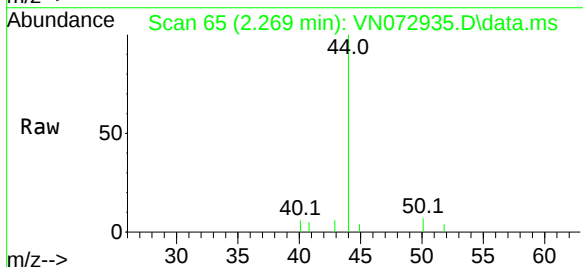
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2RE

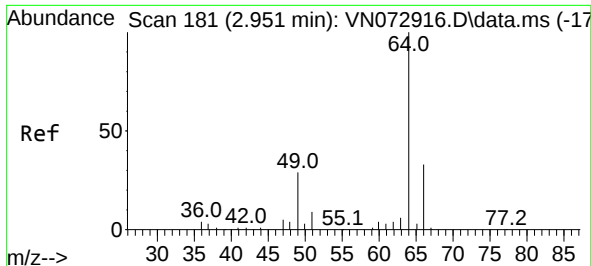
Tgt Ion:168 Resp: 292179
Ion Ratio Lower Upper
168 100
99 56.4 42.3 63.5



#3
Chloromethane
Concen: 0.743 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

Tgt Ion: 50 Resp: 524
Ion Ratio Lower Upper
50 100
52 55.0 25.7 38.5#

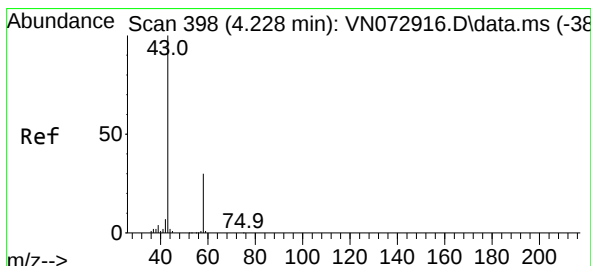
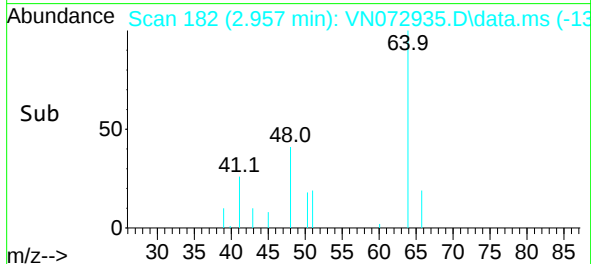
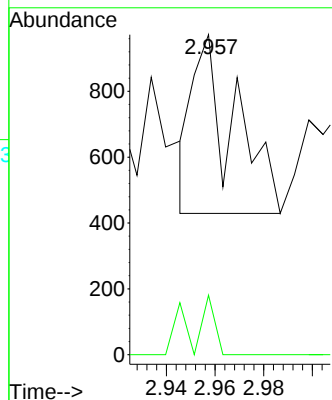
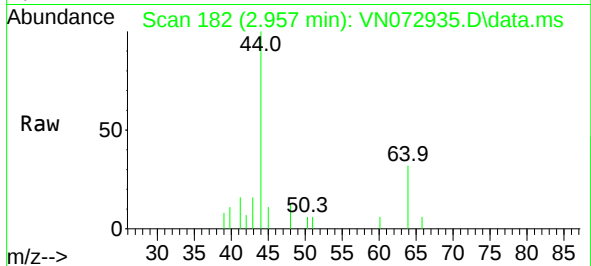




#6
Chloroethane
Concen: 0.413 ug/l
RT: 2.957 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

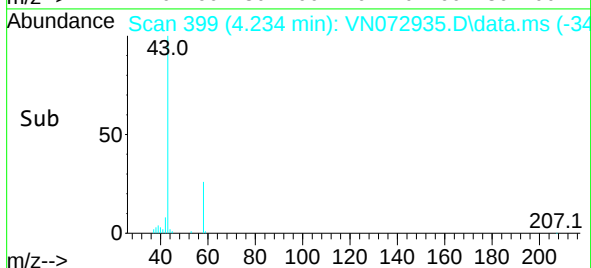
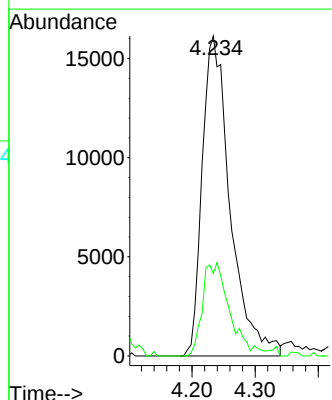
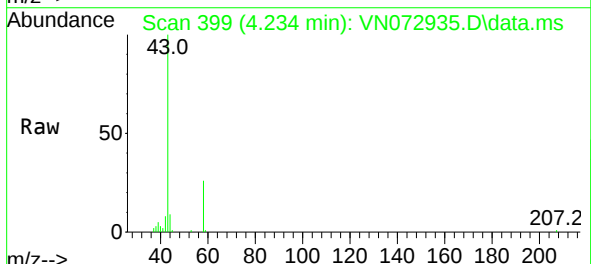
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2RE

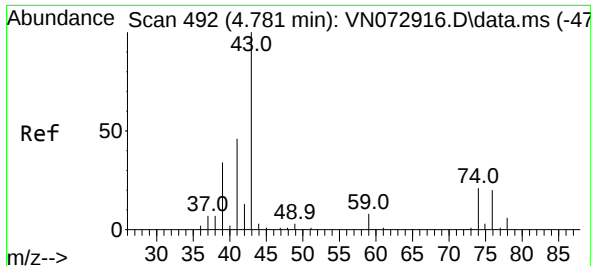
Tgt Ion: 64 Resp: 645
Ion Ratio Lower Upper
64 100
66 33.3 26.2 39.4



#16
Acetone
Concen: 22.869 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.006 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

Tgt Ion: 43 Resp: 49658
Ion Ratio Lower Upper
43 100
58 25.8 26.0 39.0#

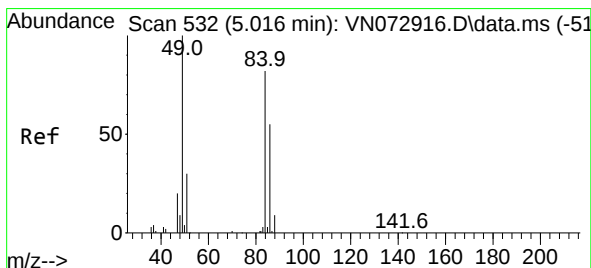
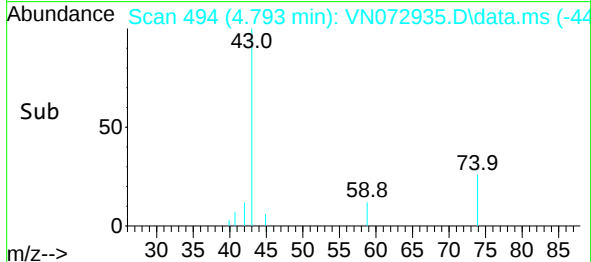
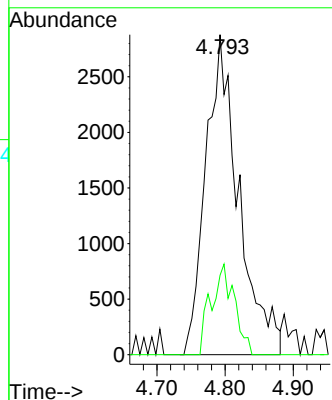
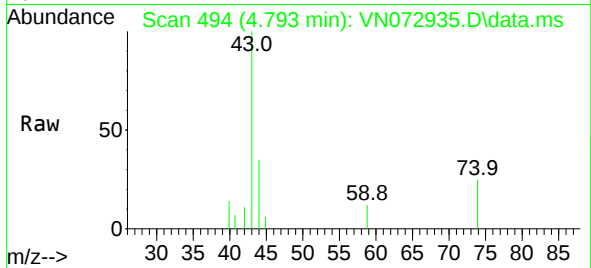




#18
Methyl Acetate
Concen: 1.675 ug/l
RT: 4.793 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

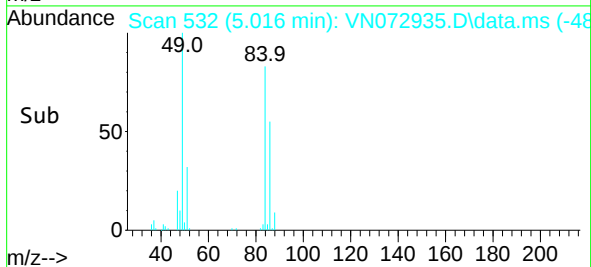
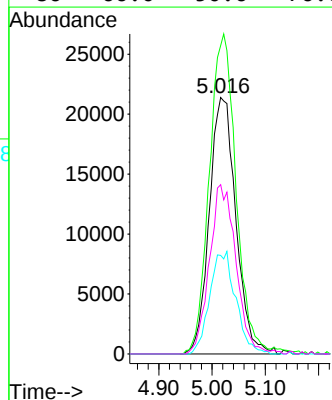
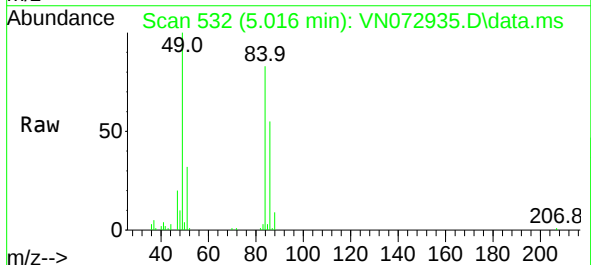
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2RE

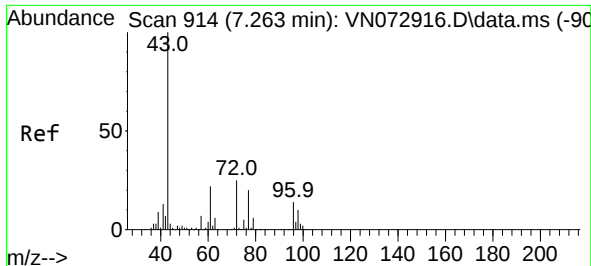
Tgt Ion: 43 Resp: 9683
Ion Ratio Lower Upper
43 100
74 20.0 21.6 32.4#



#20
Methylene Chloride
Concen: 21.864 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.000 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

Tgt Ion: 84 Resp: 74095
Ion Ratio Lower Upper
84 100
49 120.3 88.3 132.5
51 38.4 28.2 42.2
86 66.0 50.6 76.0

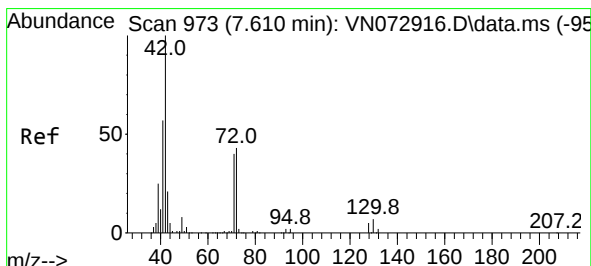
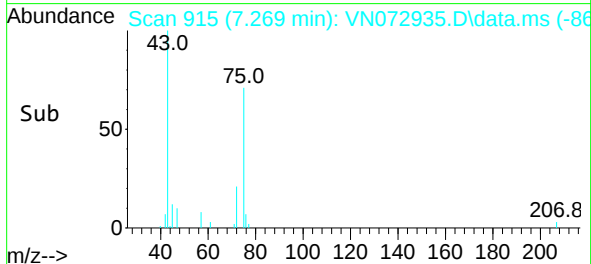
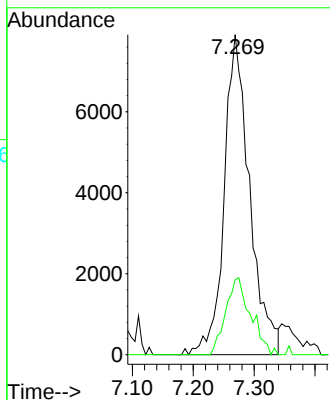
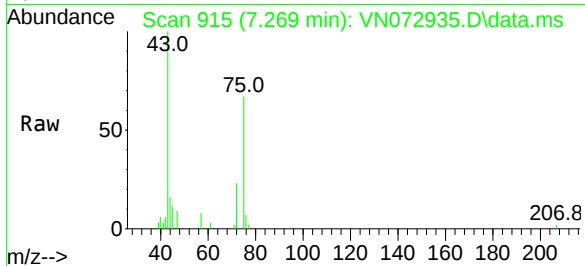




#25
2-Butanone
Concen: 6.663 ug/l
RT: 7.269 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

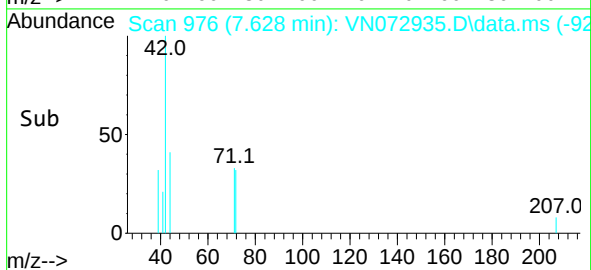
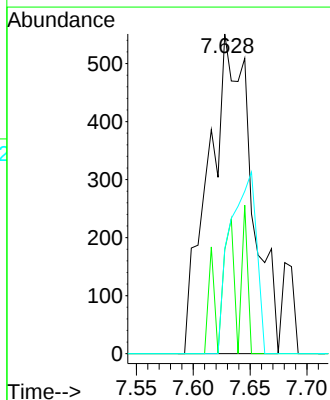
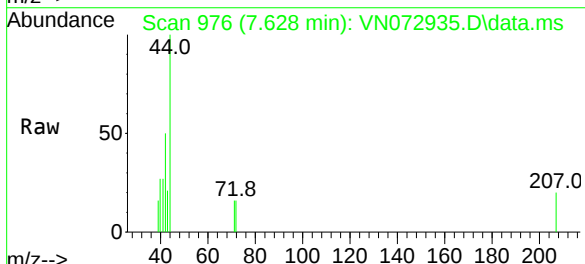
Instrument :
MSVOA_N
ClientSampleId :
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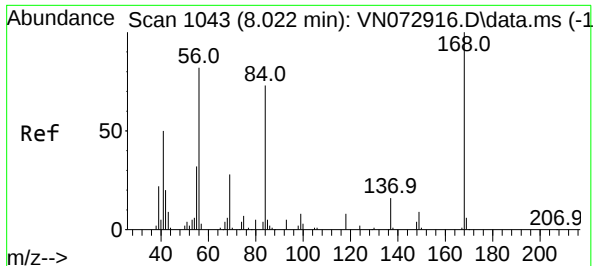
Tgt Ion: 43 Resp: 22957
Ion Ratio Lower Upper
43 100
72 23.4 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.635 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

Tgt Ion: 42 Resp: 1445
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 0.0 36.6 55.0#

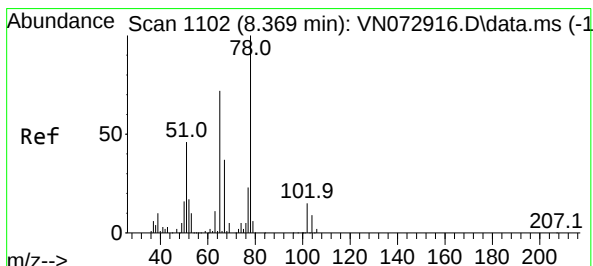
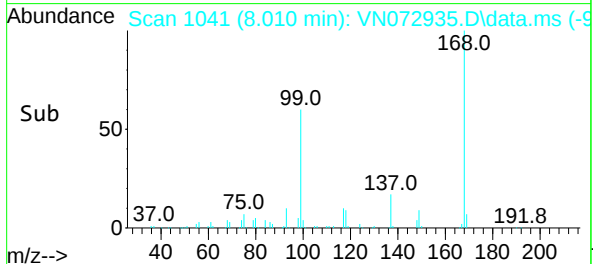
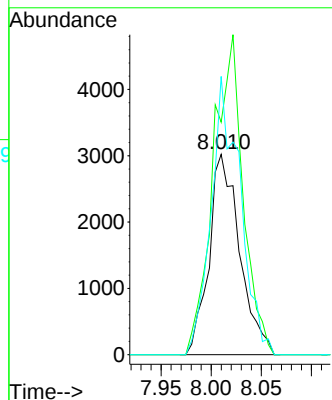
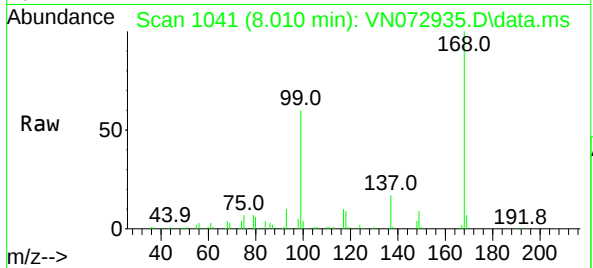




#31
Cyclohexane
Concen: 1.202 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

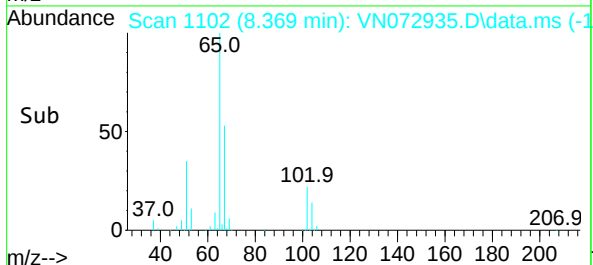
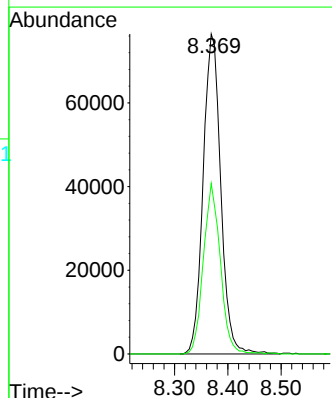
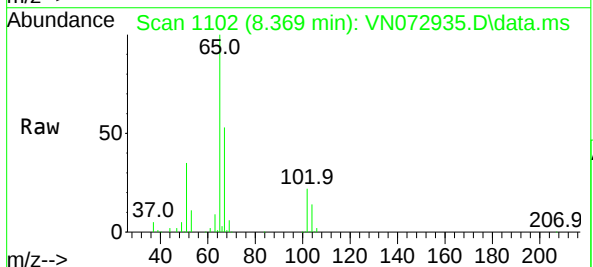
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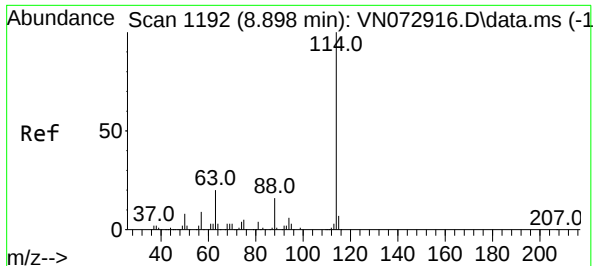
Tgt Ion: 56 Resp: 6421
Ion Ratio Lower Upper
56 100
69 116.1 27.8 41.8#
84 138.9 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 44.546 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

Tgt Ion: 65 Resp: 175966
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN072935.D

Acq: 18 Jun 2022 13:19

Instrument :

MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-2RE

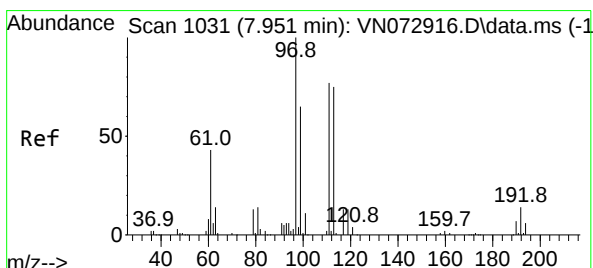
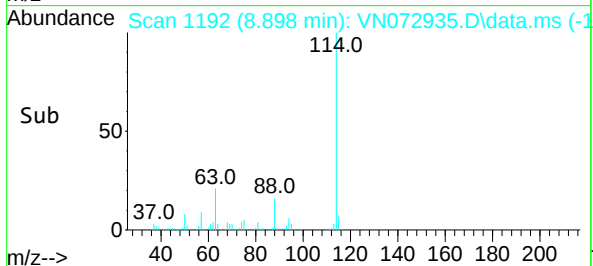
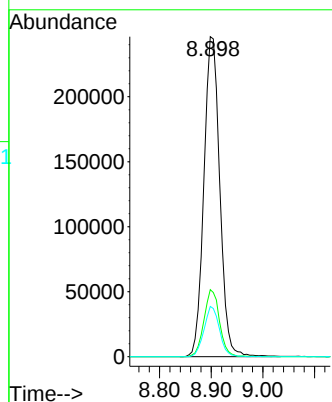
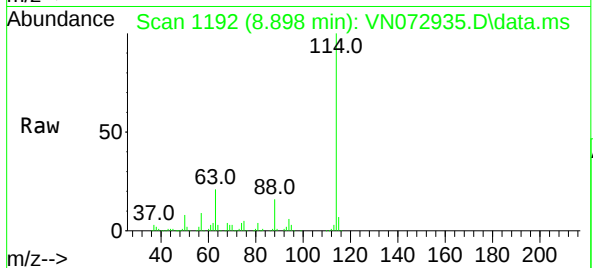
Tgt Ion:114 Resp: 526152

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 41.076 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN072935.D

Acq: 18 Jun 2022 13:19

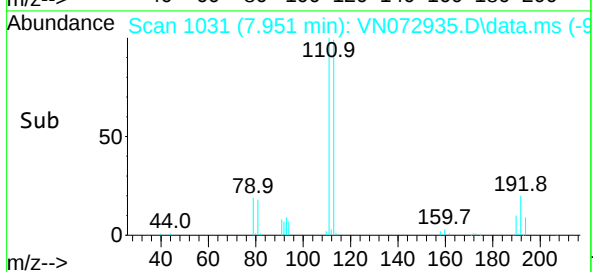
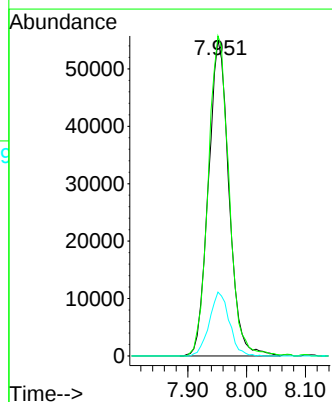
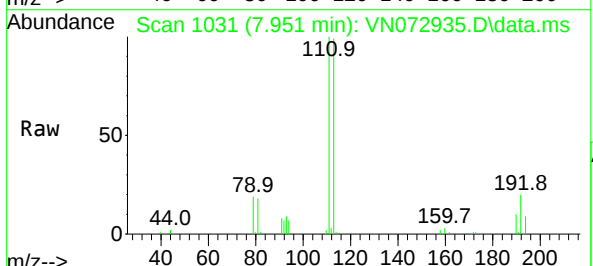
Tgt Ion:113 Resp: 133583

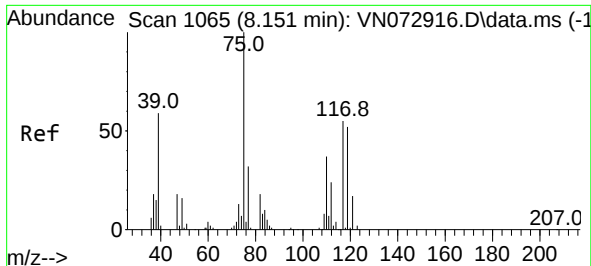
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 19.6 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.112 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN072935.D

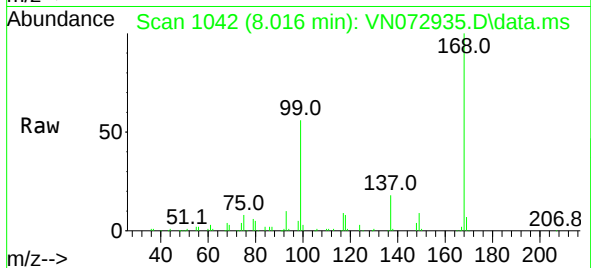
Acq: 18 Jun 2022 13:19

Instrument :

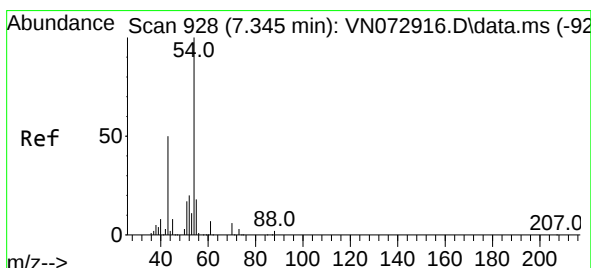
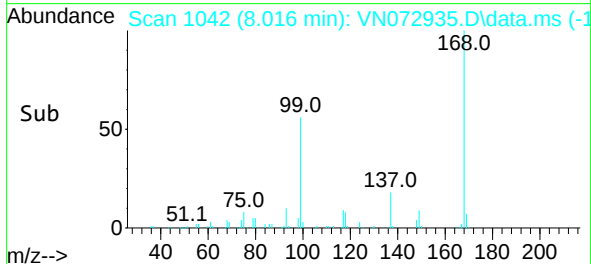
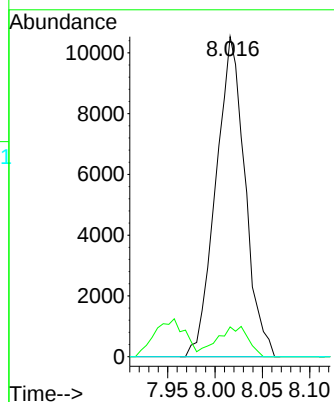
MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-2RE



Tgt Ion:	75	Resp:	22497
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.3	54.8#
77	0.0	25.1	37.7#



#37

Ethyl Acetate

Concen: 3.262 ug/l

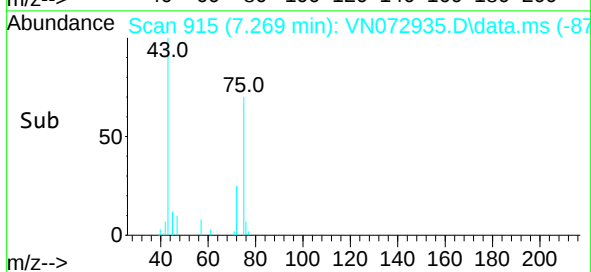
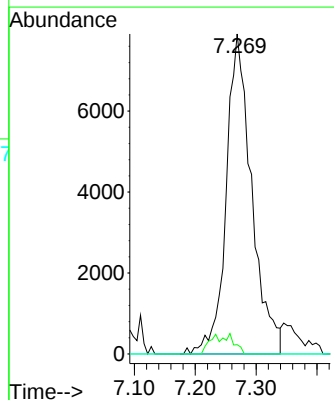
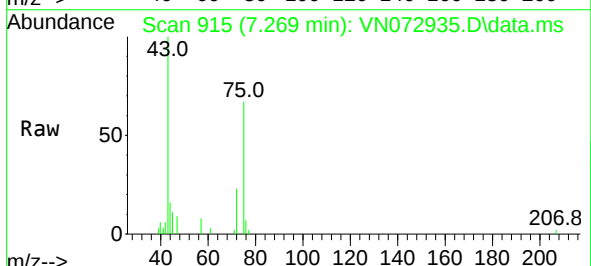
RT: 7.269 min Scan# 915

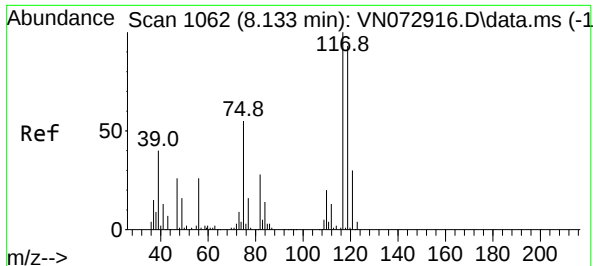
Delta R.T. -0.076 min

Lab File: VN072935.D

Acq: 18 Jun 2022 13:19

Tgt Ion:	43	Resp:	22957
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	9.3	13.9#

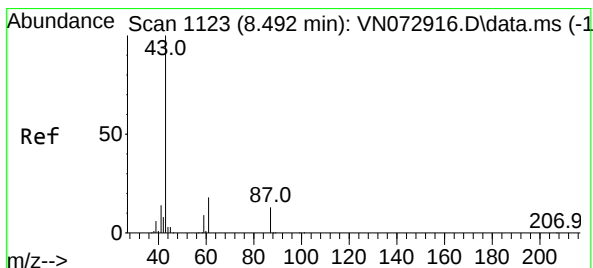
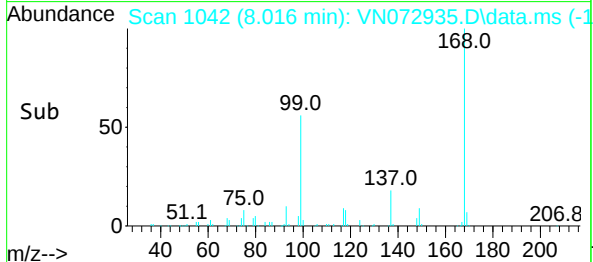
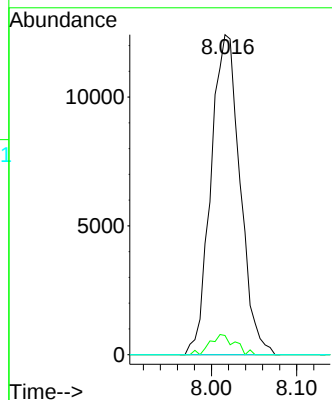
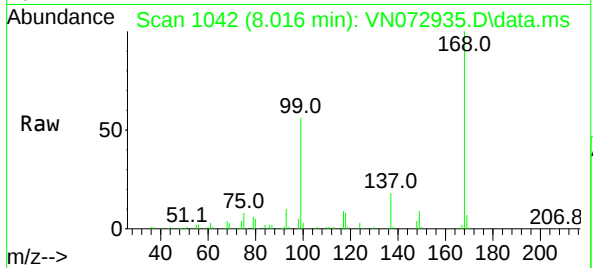




#38
Carbon Tetrachloride
Concen: 6.374 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

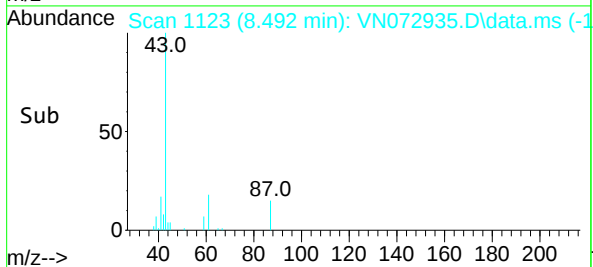
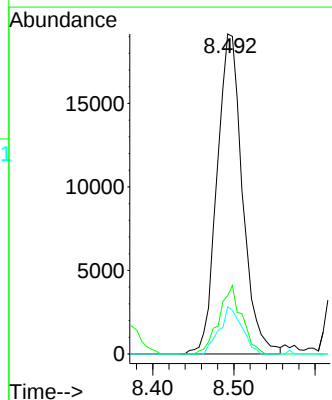
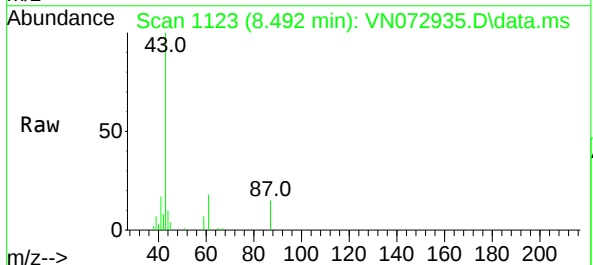
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2RE

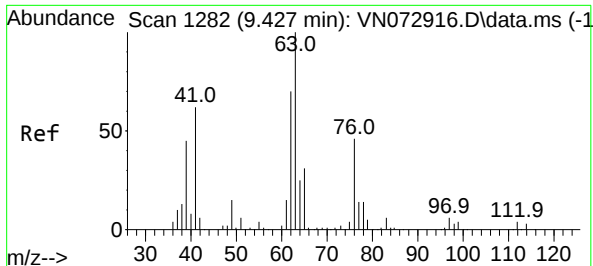
Tgt Ion:117 Resp: 29503
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 4.158 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

Tgt Ion: 43 Resp: 41837
Ion Ratio Lower Upper
43 100
61 19.2 21.9 32.9#
87 13.0 12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.844 ug/l

RT: 9.557 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN072935.D

Acq: 18 Jun 2022 13:19

Instrument :

MSVOA_N

ClientSampleId :

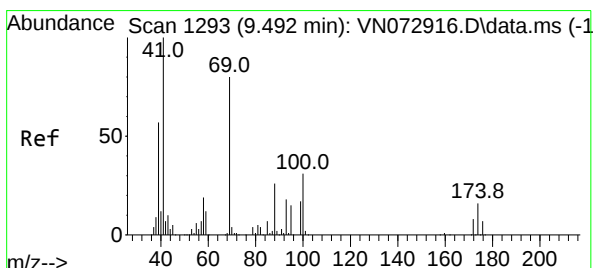
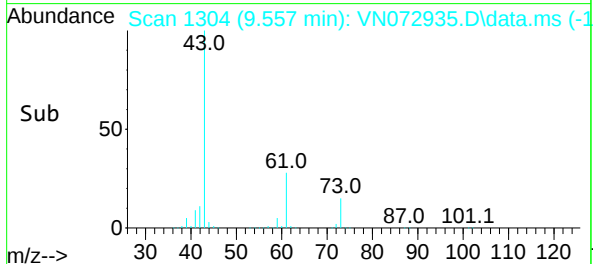
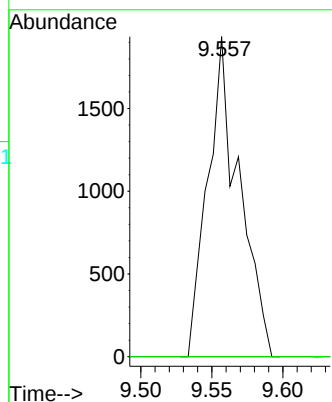
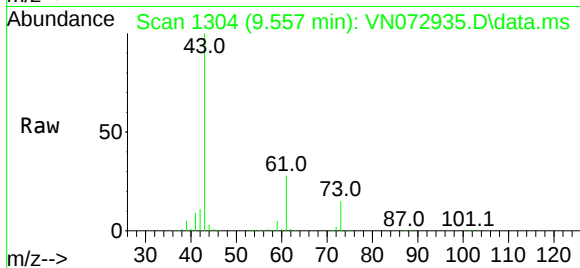
PALMYRA-RT-73-COMP-2RE

Tgt Ion: 63 Resp: 2984

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 3.165 ug/l

RT: 9.480 min Scan# 1291

Delta R.T. -0.012 min

Lab File: VN072935.D

Acq: 18 Jun 2022 13:19

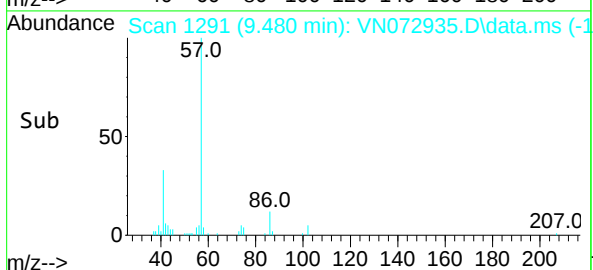
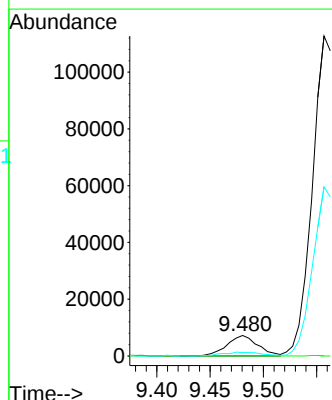
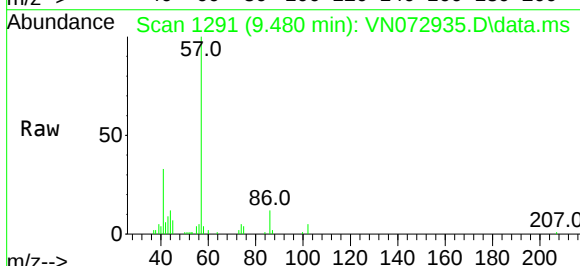
Tgt Ion: 41 Resp: 14538

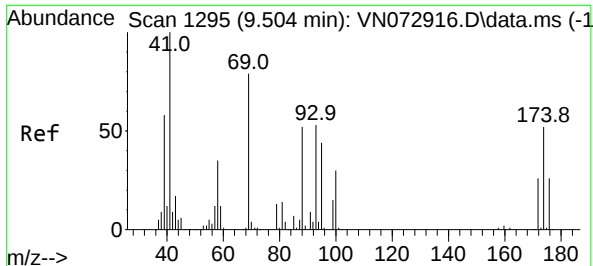
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 22.7 45.6 68.4#





#49

1,4-Dioxane

Concen: 3.193 ug/l

RT: 9.563 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN072935.D

Acq: 18 Jun 2022 13:19

Instrument :

MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-2RE

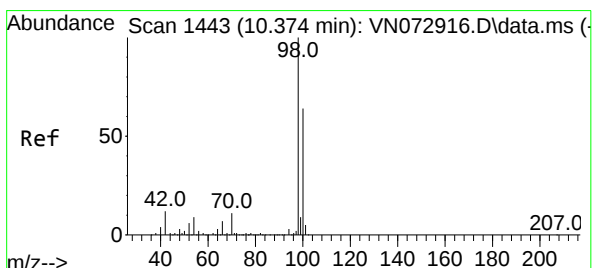
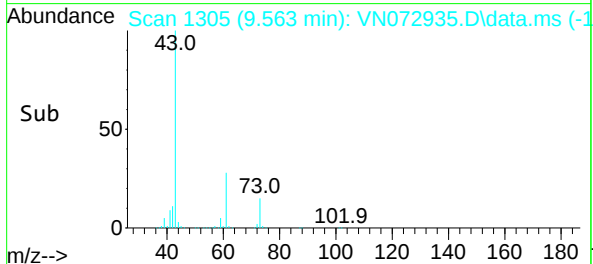
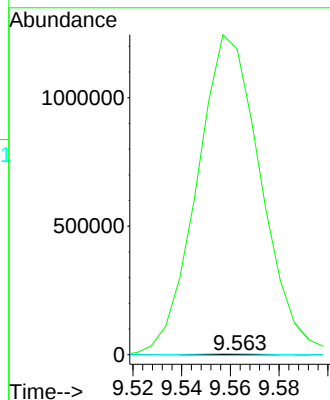
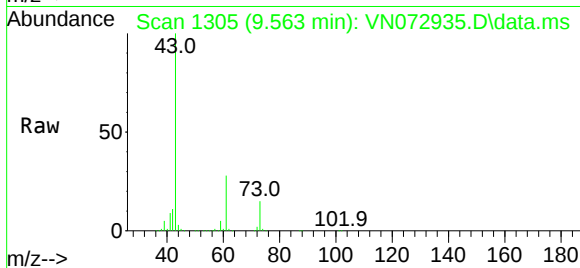
Tgt Ion: 88 Resp: 330

Ion Ratio Lower Upper

88 100

43 699840.0 20.2 30.4#

58 2420.0 54.2 81.4#



#50

Toluene-d8

Concen: 34.851 ug/l

RT: 10.374 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN072935.D

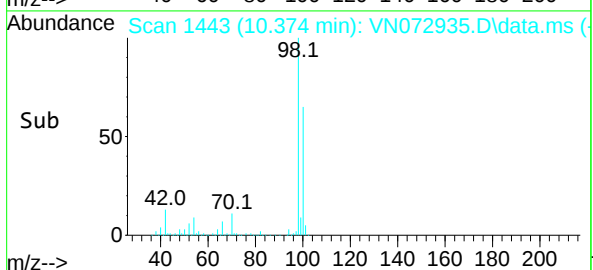
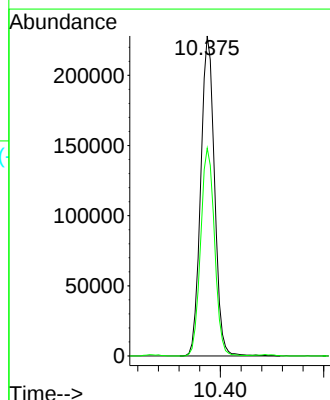
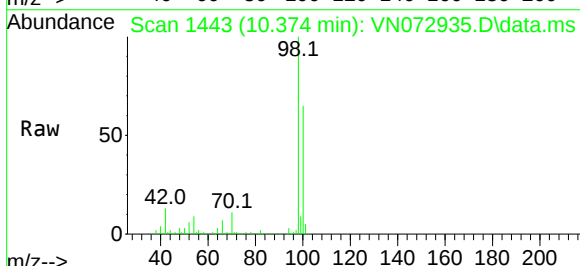
Acq: 18 Jun 2022 13:19

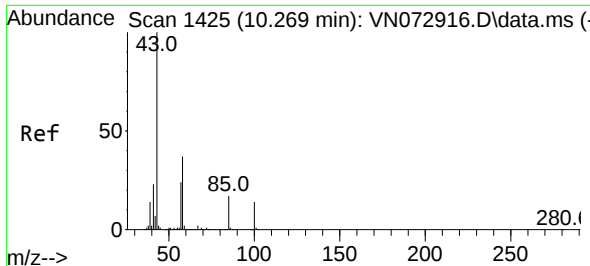
Tgt Ion: 98 Resp: 421737

Ion Ratio Lower Upper

98 100

100 65.6 52.6 78.8

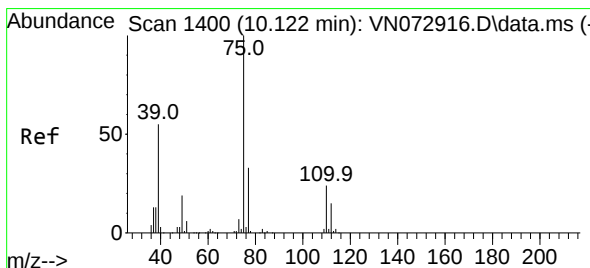
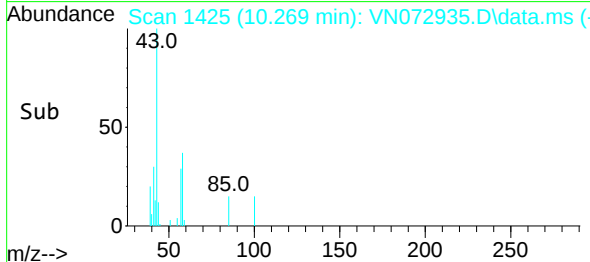
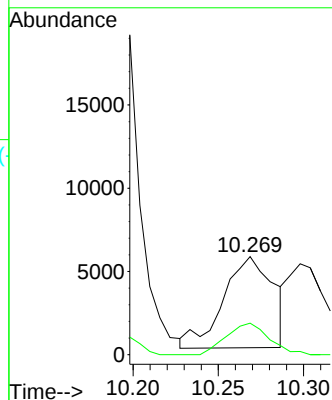
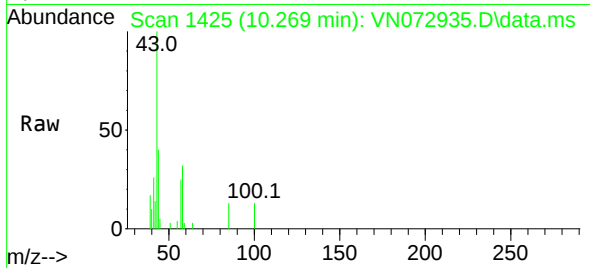




#51
4-Methyl-2-Pentanone
Concen: 1.711 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

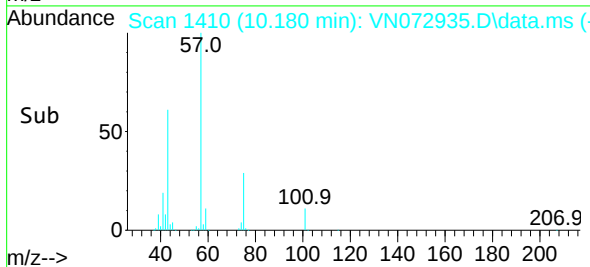
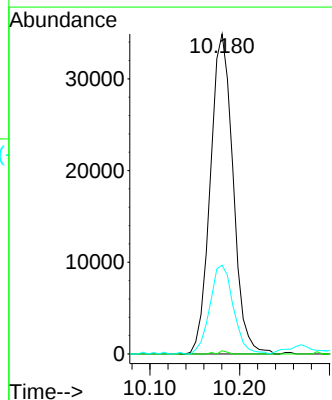
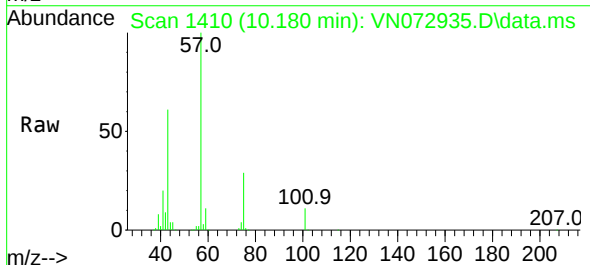
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2RE

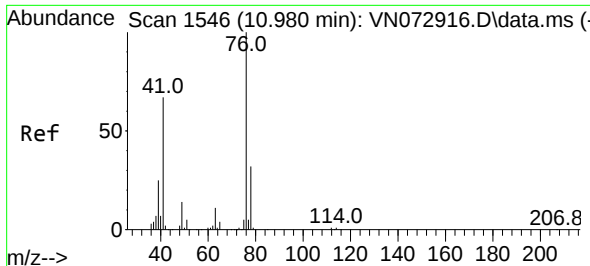
Tgt Ion: 43 Resp: 11228
Ion Ratio Lower Upper
43 100
58 29.4 34.1 51.1#



#54
cis-1,3-Dichloropropene
Concen: 10.969 ug/l
RT: 10.180 min Scan# 1410
Delta R.T. 0.059 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

Tgt Ion: 75 Resp: 61211
Ion Ratio Lower Upper
75 100
77 1.0 25.2 37.8#
39 27.3 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.679 ug/l

RT: 11.027 min Scan# 1554

Delta R.T. 0.047 min

Lab File: VN072935.D

Acq: 18 Jun 2022 13:19

Instrument :

MSVOA_N

ClientSampleId :

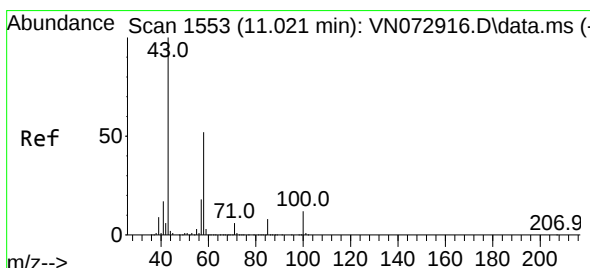
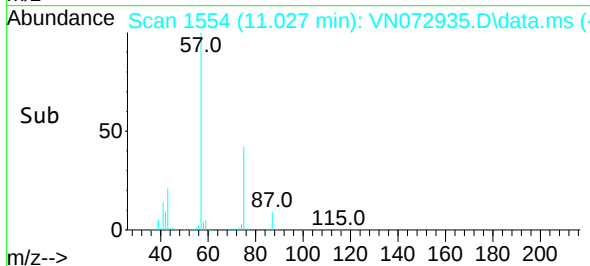
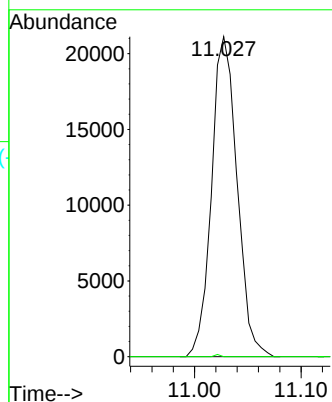
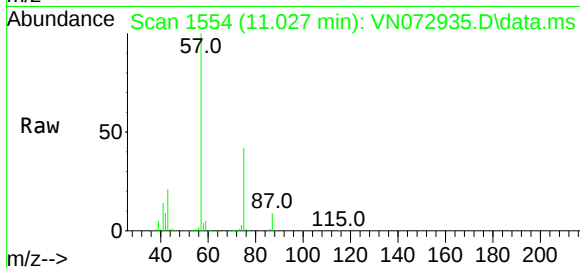
PALMYRA-RT-73-COMP-2RE

Tgt Ion: 76 Resp: 35122

Ion Ratio Lower Upper

76 100

78 0.2 26.2 39.2#



#59

2-Hexanone

Concen: 104.748 ug/l

RT: 11.027 min Scan# 1554

Delta R.T. 0.006 min

Lab File: VN072935.D

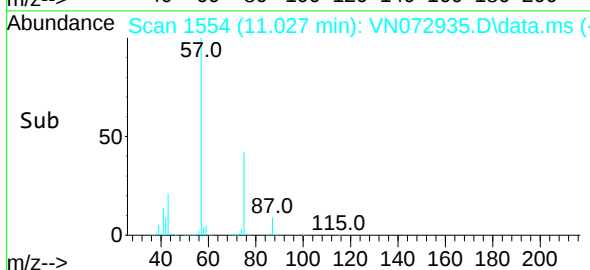
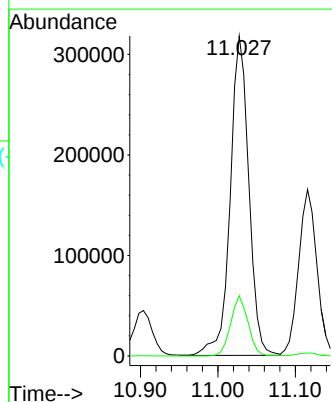
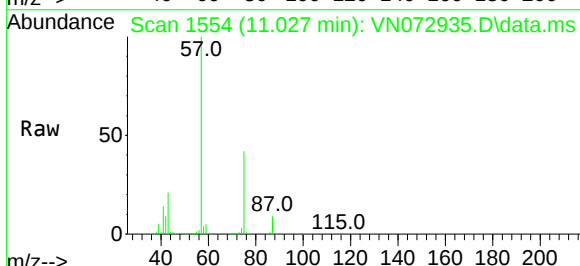
Acq: 18 Jun 2022 13:19

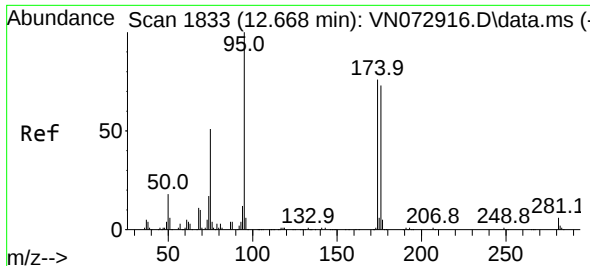
Tgt Ion: 43 Resp: 531556

Ion Ratio Lower Upper

43 100

58 17.6 29.7 89.1#

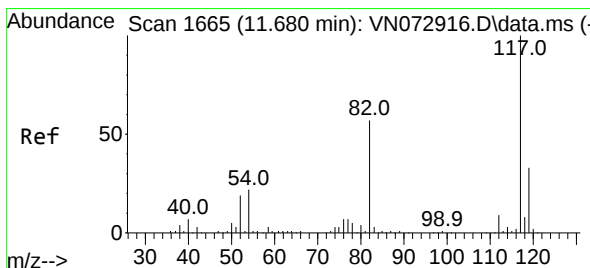
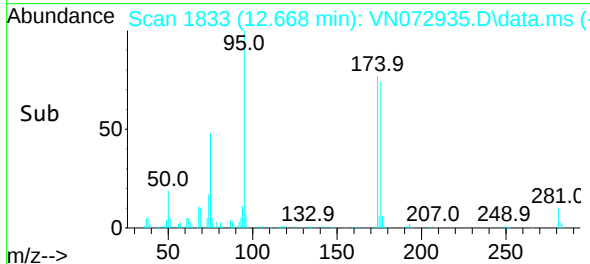
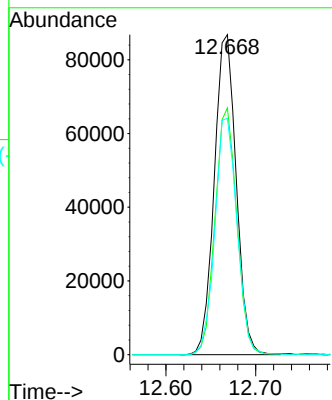
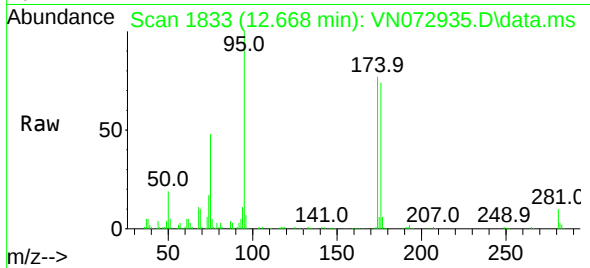




#62
4-Bromofluorobenzene
Concen: 33.869 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

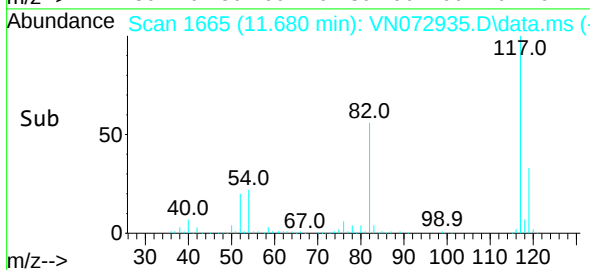
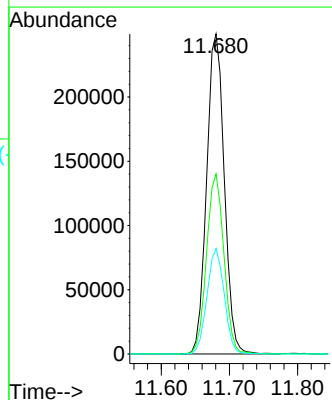
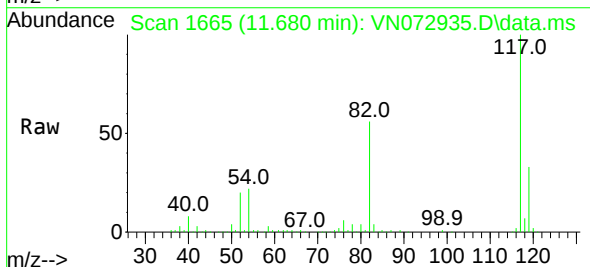
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2RE

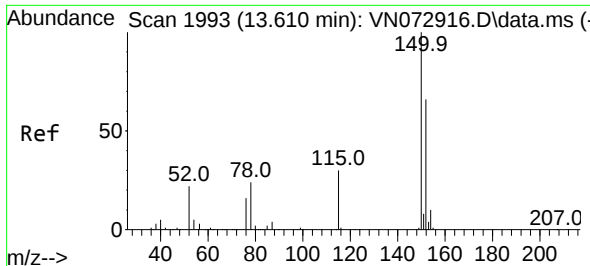
Tgt Ion: 95 Resp: 147379
Ion Ratio Lower Upper
95 100
174 76.5 0.0 167.6
176 74.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

Tgt Ion: 117 Resp: 448608
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.2
119 32.9 25.4 38.0

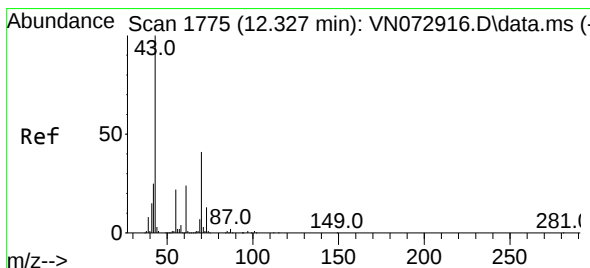
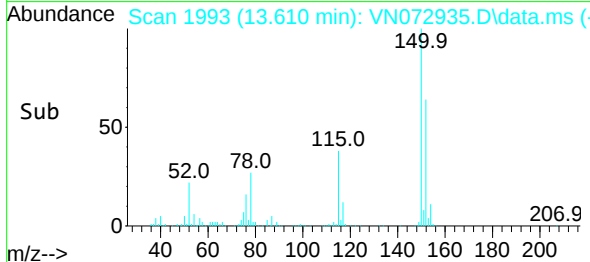
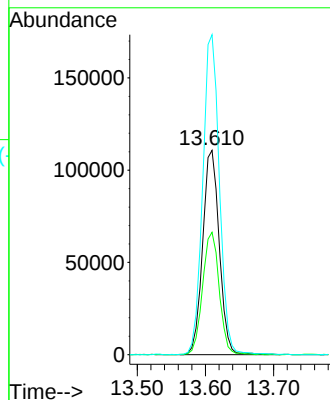
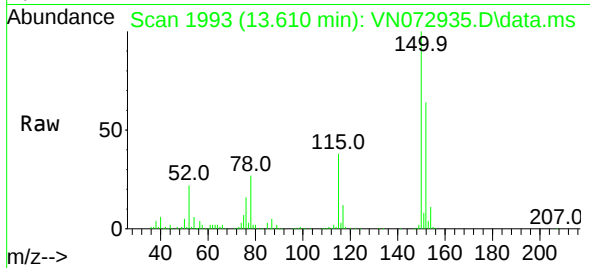




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

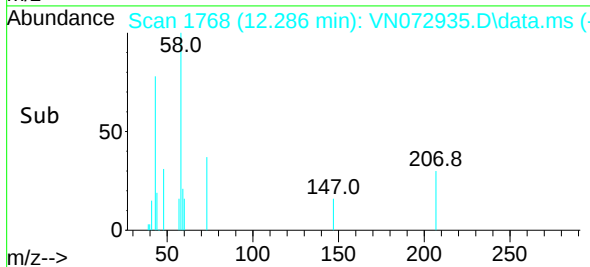
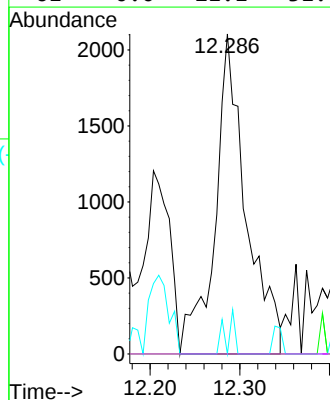
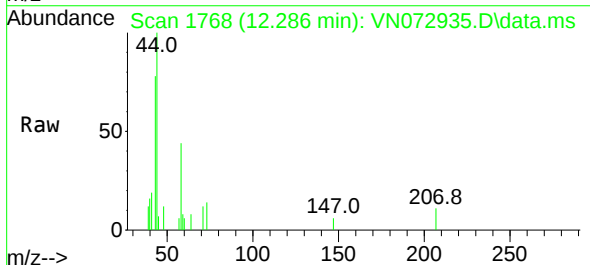
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-2RE

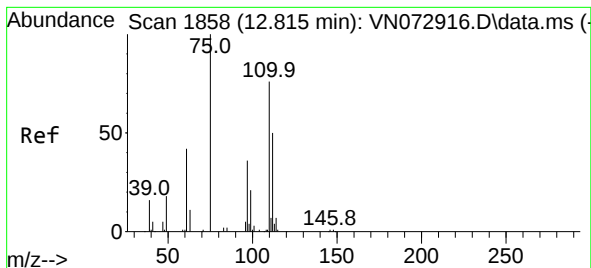
Tgt Ion:152 Resp: 187644
Ion Ratio Lower Upper
152 100
115 60.0 28.9 86.7
150 157.4 0.0 356.2



#74
N-ethyl acetate
Concen: 0.670 ug/l
RT: 12.286 min Scan# 1768
Delta R.T. -0.041 min
Lab File: VN072935.D
Acq: 18 Jun 2022 13:19

Tgt Ion: 43 Resp: 5044
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 1.6 21.1 31.7#
61 0.0 21.1 31.7#





#76

1,2,3-Trichloropropane

Concen: 16.186 ug/l

RT: 12.663 min Scan# 1832

Delta R.T. -0.153 min

Lab File: VN072935.D

Acq: 18 Jun 2022 13:19

Instrument :

MSVOA_N

ClientSampleId :

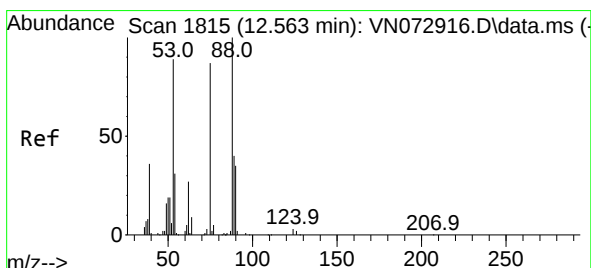
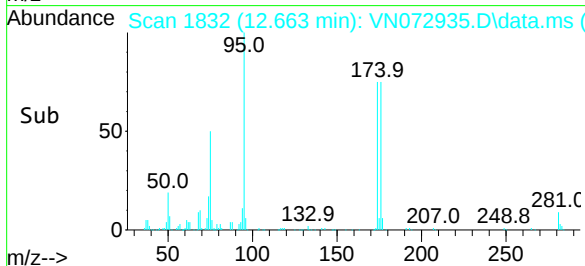
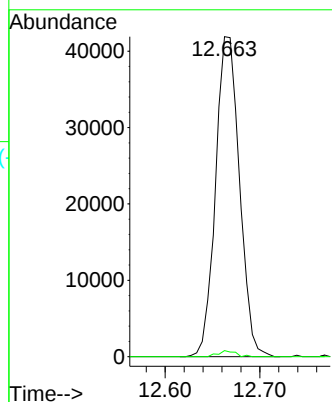
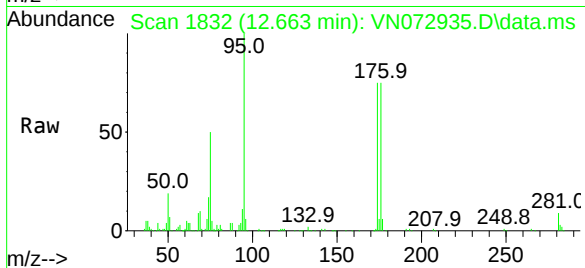
PALMYRA-RT-73-COMP-2RE

Tgt Ion: 75 Resp: 73638

Ion Ratio Lower Upper

75 100

77 1.4 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 43.713 ug/l

RT: 12.663 min Scan# 1832

Delta R.T. 0.100 min

Lab File: VN072935.D

Acq: 18 Jun 2022 13:19

Tgt Ion: 75 Resp: 73638

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.1 37.2 55.8#

