

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062122\
 Data File : VN073013.D
 Acq On : 22 Jun 2022 08:55
 Operator : JC\MD
 Sample : N3329-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

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

Quant Time: Jun 22 09:17:20 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)

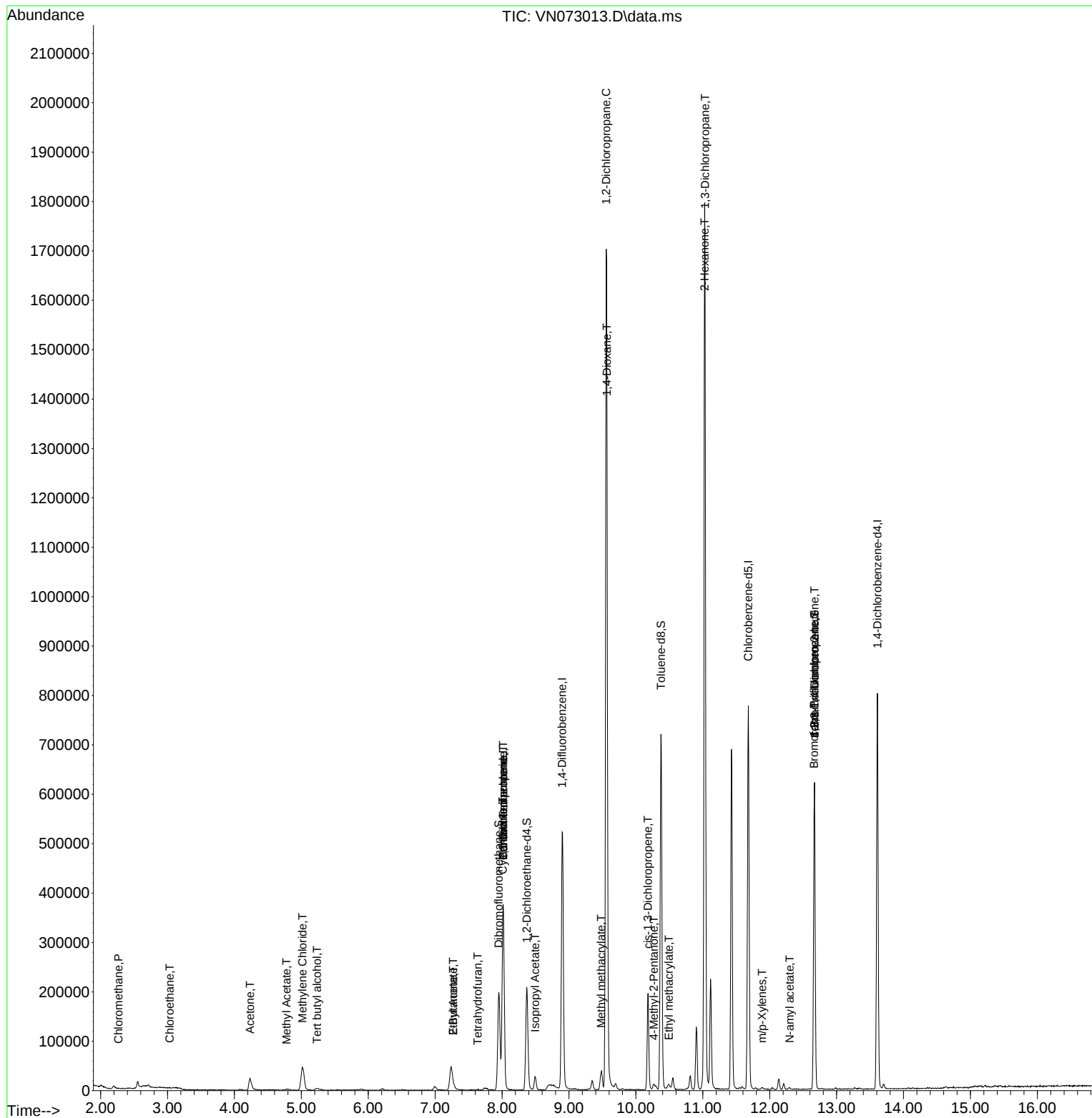
Internal Standards						
1) Pentafluorobenzene	8.016	168	285185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	468371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	436377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	208110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	173312	44.950	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.900%
35) Dibromofluoromethane	7.951	113	151370	52.287	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.580%
50) Toluene-d8	10.375	98	492401	45.710	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.420%
62) 4-Bromofluorobenzene	12.669	95	212203	54.783	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.560%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	388	0.701	ug/l #	72
6) Chloroethane	3.034	64	507	0.333	ug/l #	88
11) Tert butyl alcohol	5.234	59	3942	3.958	ug/l #	72
16) Acetone	4.234	43	43893	20.710	ug/l	90
18) Methyl Acetate	4.781	43	5331	0.945	ug/l #	90
20) Methylene Chloride	5.016	84	38027	11.381	ug/l #	87
25) 2-Butanone	7.269	43	21442	6.376	ug/l	94
29) Tetrahydrofuran	7.634	42	1059	0.477	ug/l #	37
31) Cyclohexane	8.010	56	6268	1.202	ug/l #	9
36) 1,1-Dichloropropene	8.016	75	23612	6.028	ug/l #	48
37) Ethyl Acetate	7.269	43	21442	3.422	ug/l #	68
38) Carbon Tetrachloride	8.016	117	28963	7.029	ug/l #	17
43) Isopropyl Acetate	8.492	43	31553	3.523	ug/l #	86
45) 1,2-Dichloropropane	9.557	63	2075	0.659	ug/l #	44
48) Methyl methacrylate	9.480	41	11823	2.891	ug/l #	22
49) 1,4-Dioxane	9.569	88	95	1.033	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	7443	1.274	ug/l	100
54) cis-1,3-Dichloropropene	10.180	75	33438	6.731	ug/l #	64
56) Ethyl methacrylate	10.492	69	4911	0.923	ug/l #	70
57) 1,3-Dichloropropane	11.033	76	18125	3.292	ug/l #	42
59) 2-Hexanone	11.027	43	294066	65.098	ug/l #	44
68) m/p-Xylenes	11.886	106	1411	0.240	ug/l	98
71) Bromoform	12.663	173	1448	0.592	ug/l #	1
74) N-amyl acetate	12.298	43	2507	0.300	ug/l #	41
76) 1,2,3-Trichloropropane	12.669	75	110783	21.956	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	110783	59.296	ug/l #	10

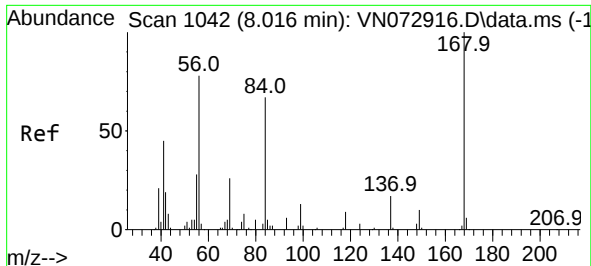
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 18 06:22:45 2022
Response via : Initial Calibration

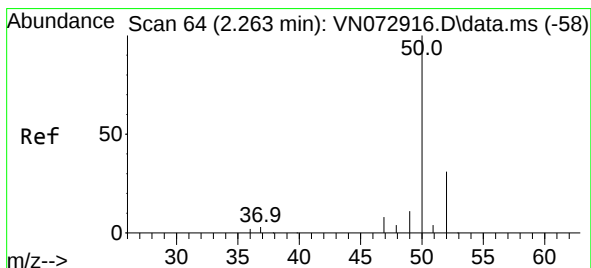
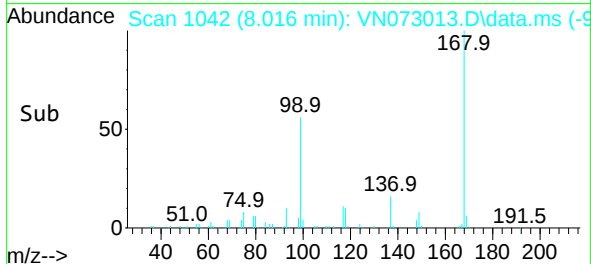
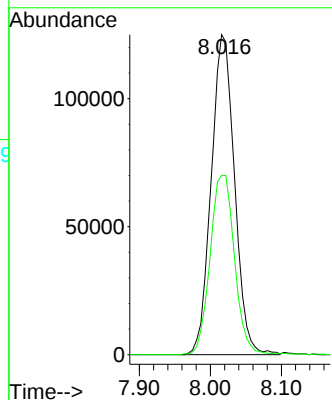
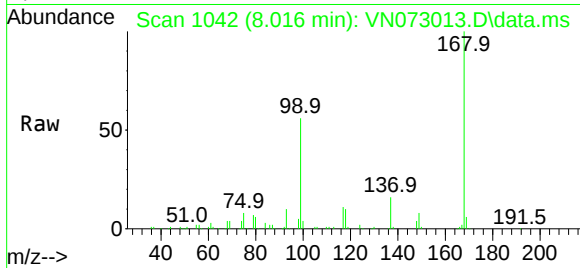




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

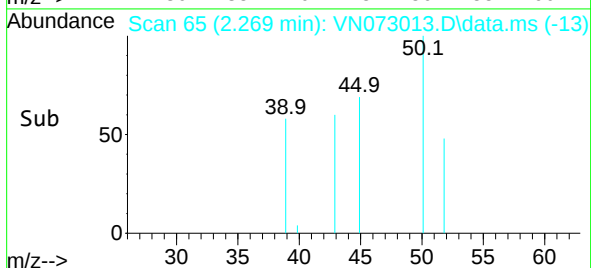
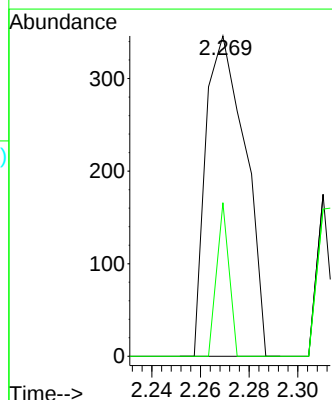
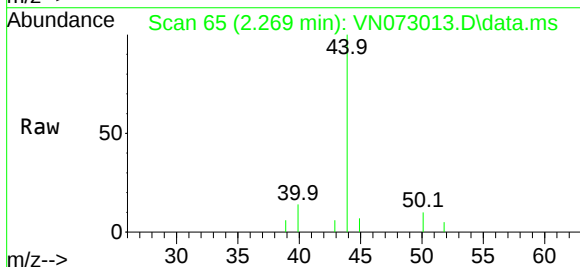
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

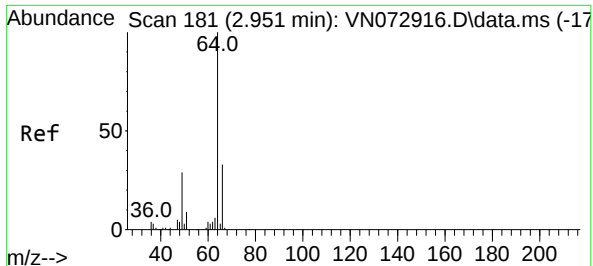
Tgt Ion:168 Resp: 285185
Ion Ratio Lower Upper
168 100
99 56.1 42.3 63.5



#3
Chloromethane
Concen: 0.701 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

Tgt Ion: 50 Resp: 388
Ion Ratio Lower Upper
50 100
52 48.0 25.7 38.5#

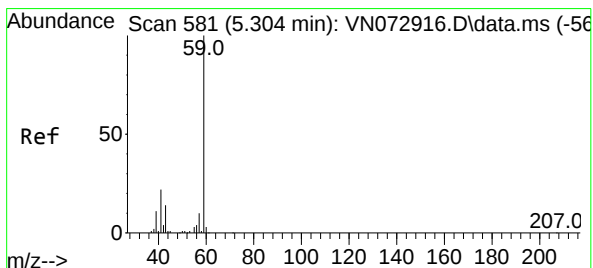
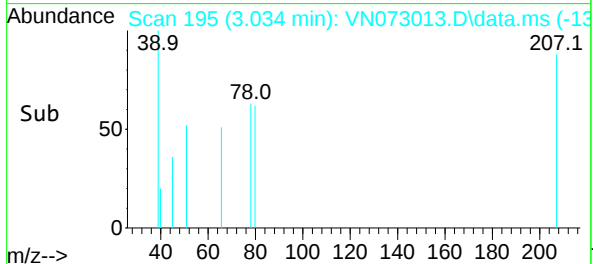
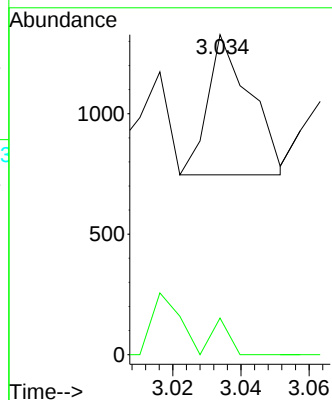
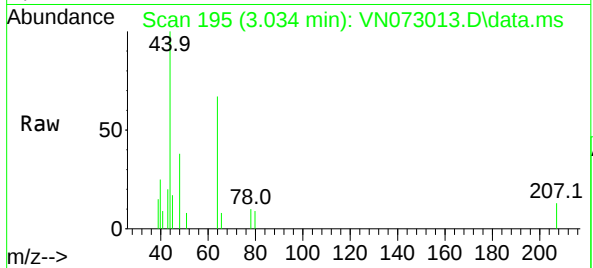




#6
Chloroethane
Concen: 0.333 ug/l
RT: 3.034 min Scan# 11
Delta R.T. 0.082 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

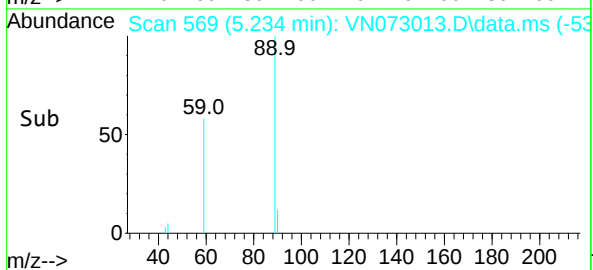
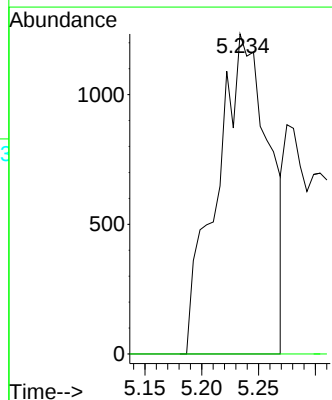
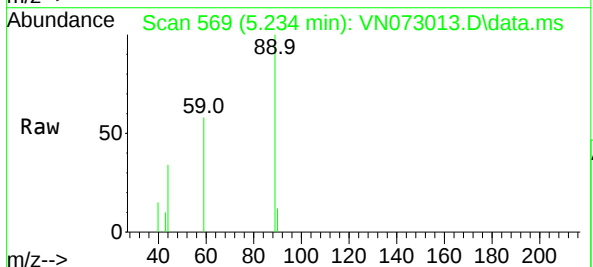
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

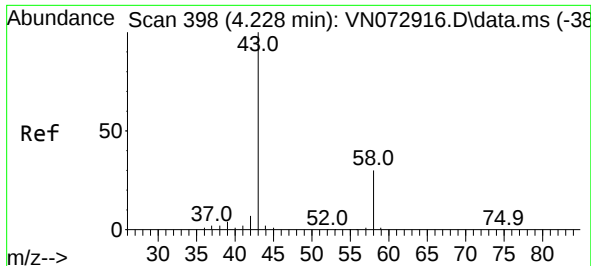
Tgt Ion: 64 Resp: 507
Ion Ratio Lower Upper
64 100
66 26.1 26.2 39.4#



#11
Tert butyl alcohol
Concen: 3.958 ug/l
RT: 5.234 min Scan# 569
Delta R.T. -0.070 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

Tgt Ion: 59 Resp: 3942
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

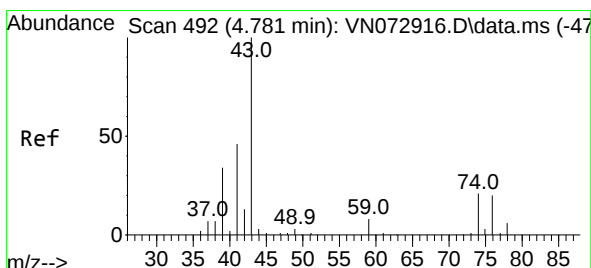
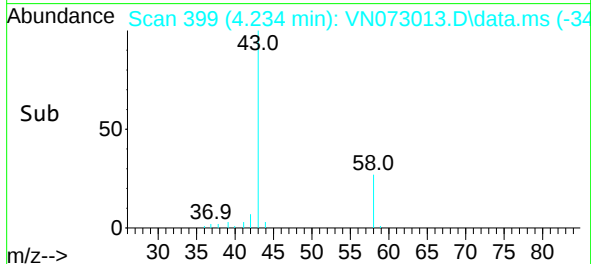
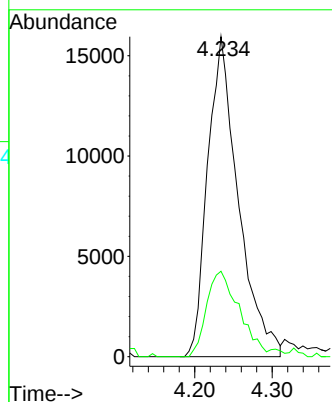
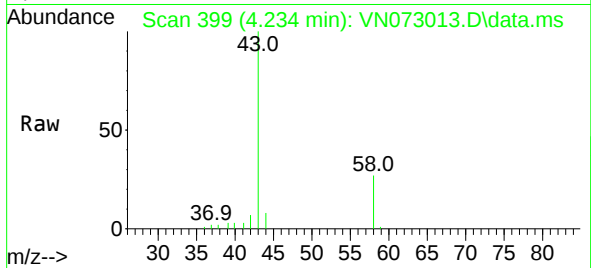




#16
Acetone
Concen: 20.710 ug/l
RT: 4.234 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

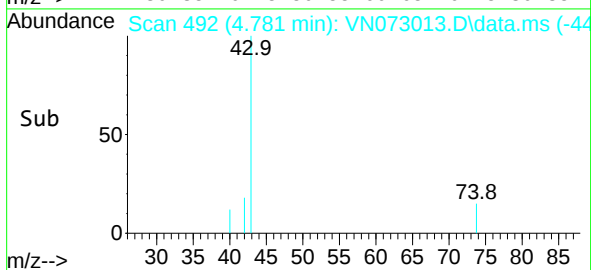
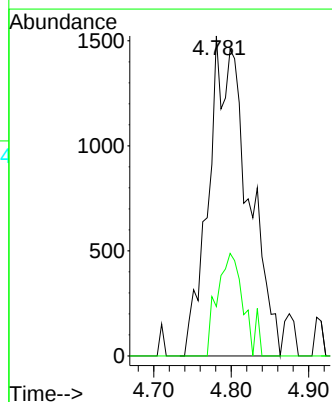
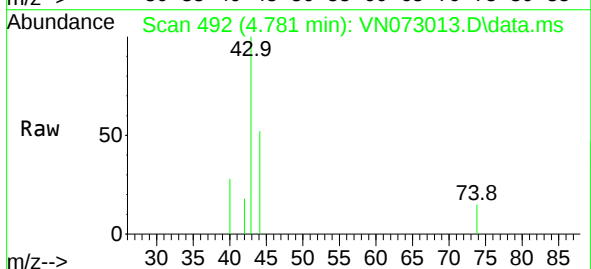
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

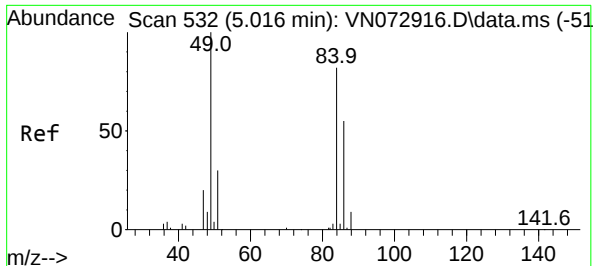
Tgt Ion: 43 Resp: 43893
Ion Ratio Lower Upper
43 100
58 26.7 26.0 39.0



#18
Methyl Acetate
Concen: 0.945 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.000 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

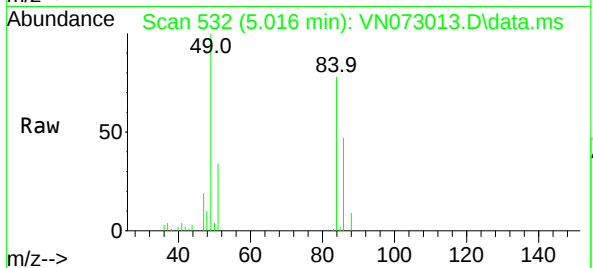
Tgt Ion: 43 Resp: 5331
Ion Ratio Lower Upper
43 100
74 21.6 21.6 32.4#



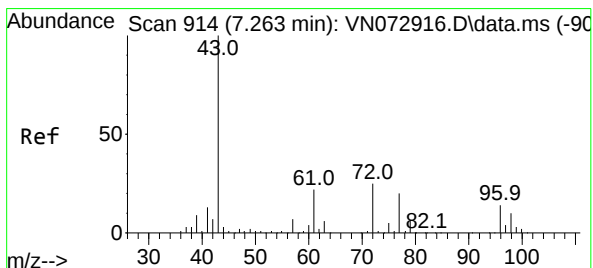
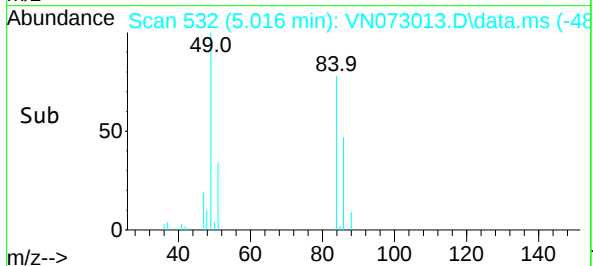
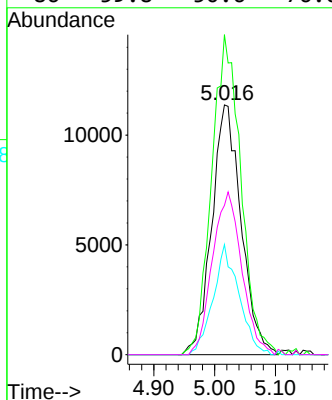


#20
Methylene Chloride
Concen: 11.381 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

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

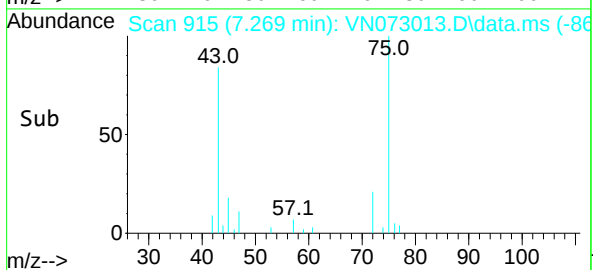
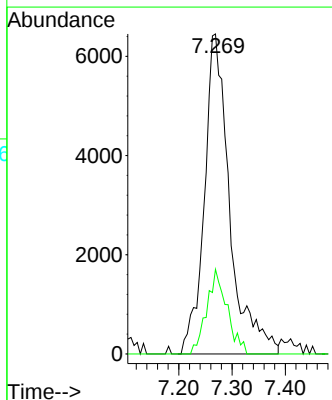
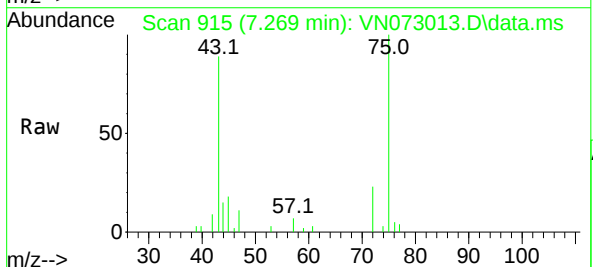


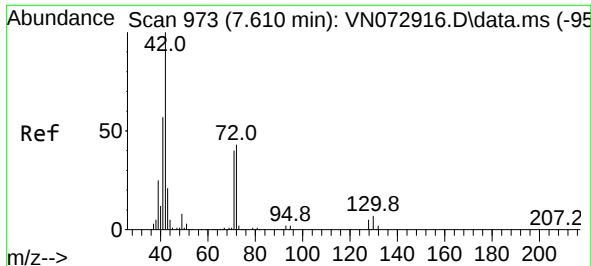
Tgt Ion:	84	Resp:	38027
Ion	Ratio	Lower	Upper
84	100		
49	128.1	88.3	132.5
51	44.0	28.2	42.2
86	59.8	50.6	76.0



#25
2-Butanone
Concen: 6.376 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.006 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

Tgt Ion:	43	Resp:	21442
Ion	Ratio	Lower	Upper
43	100		
72	26.4	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.477 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN073013.D

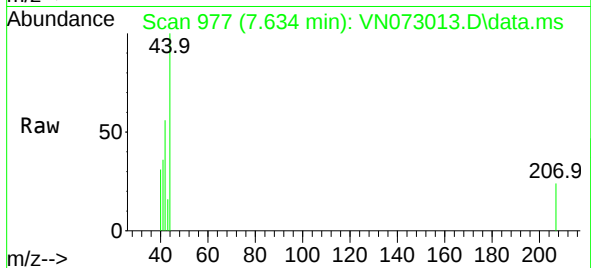
Acq: 22 Jun 2022 08:55

Instrument :

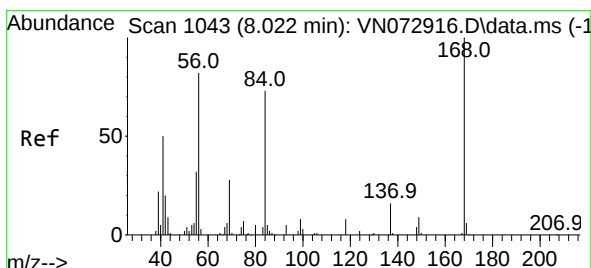
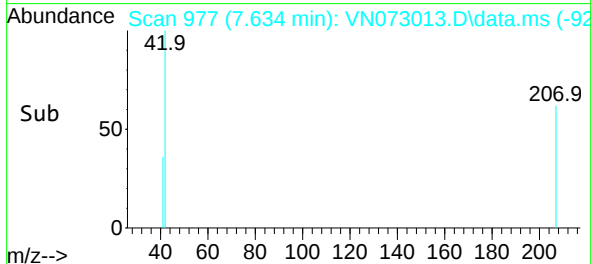
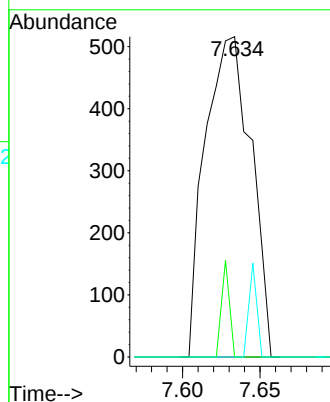
MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-3



Tgt Ion:	42	Resp:	1059
Ion	Ratio	Lower	Upper
42	100		
72	5.2	39.7	59.5#
71	5.0	36.6	55.0#



#31

Cyclohexane

Concen: 1.202 ug/l

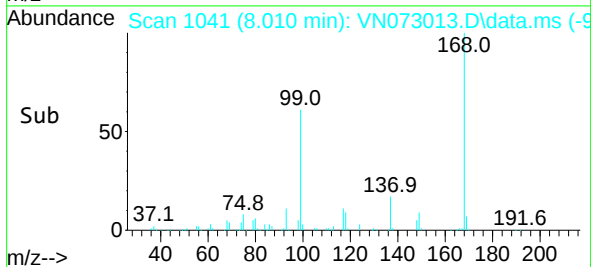
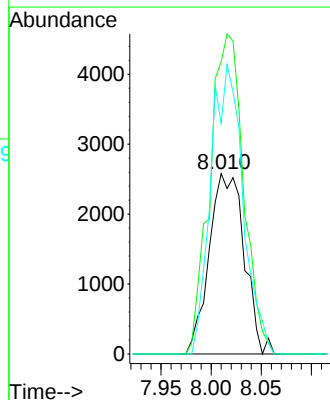
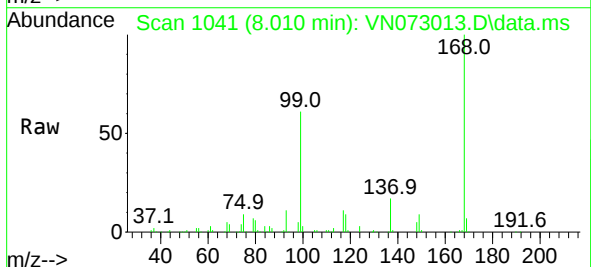
RT: 8.010 min Scan# 1041

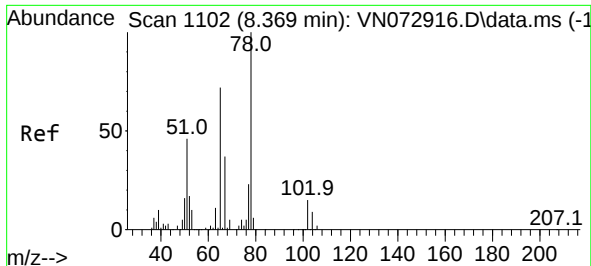
Delta R.T. -0.012 min

Lab File: VN073013.D

Acq: 22 Jun 2022 08:55

Tgt Ion:	56	Resp:	6268
Ion	Ratio	Lower	Upper
56	100		
69	162.0	27.8	41.8#
84	139.3	76.9	115.3#

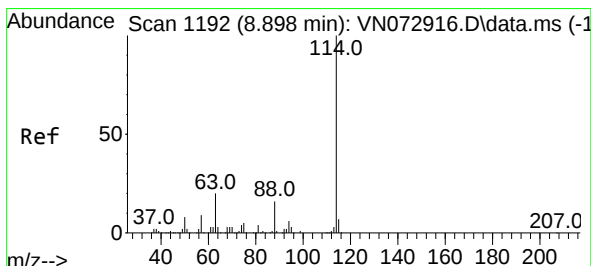
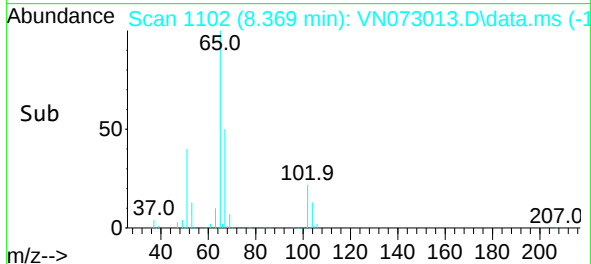
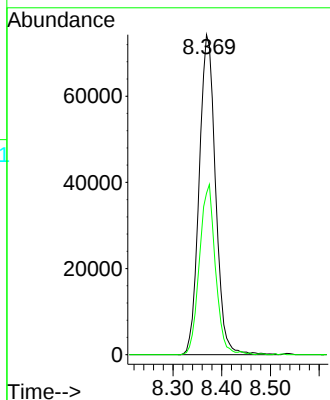
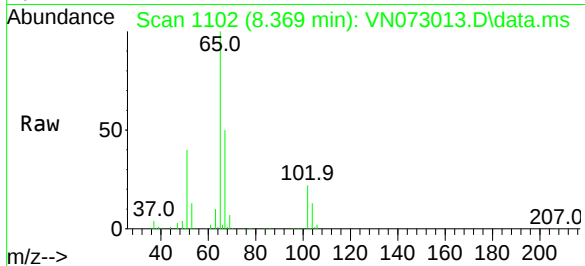




#33
1,2-Dichloroethane-d4
Concen: 44.950 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

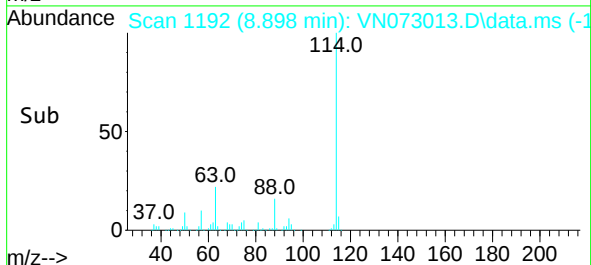
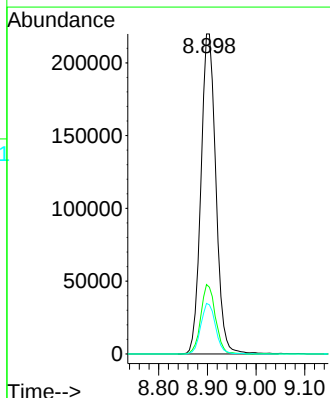
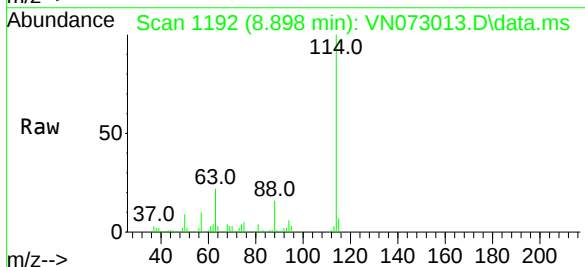
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MSVOA_N
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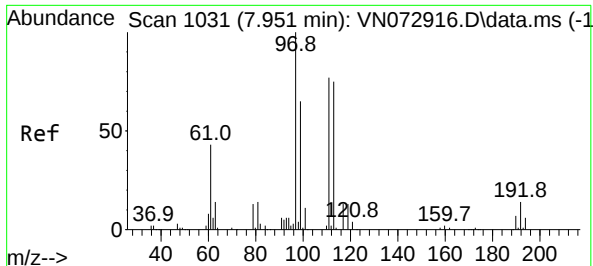
Tgt Ion: 65 Resp: 173312
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

Tgt Ion: 114 Resp: 468371
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.0
88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.287 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VN073013.D

Acq: 22 Jun 2022 08:55

Instrument :

MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-3

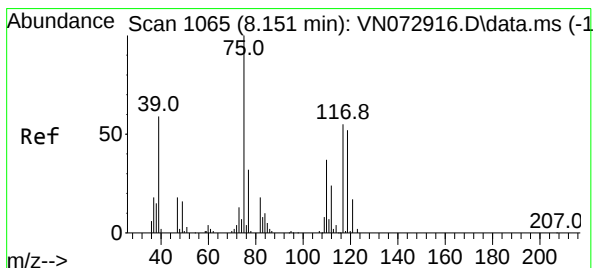
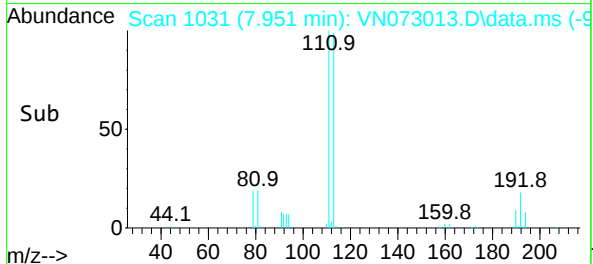
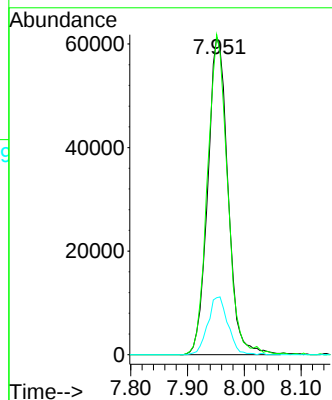
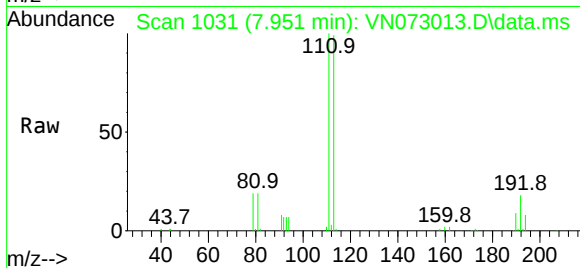
Tgt Ion:113 Resp: 151370

Ion Ratio Lower Upper

113 100

111 100.1 81.4 122.0

192 18.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 6.028 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073013.D

Acq: 22 Jun 2022 08:55

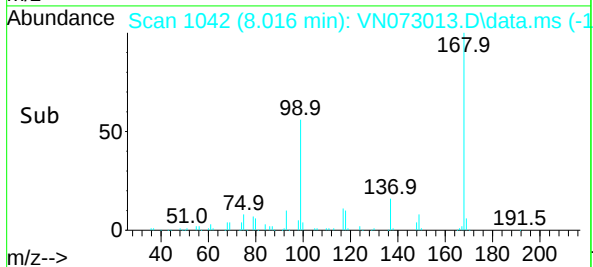
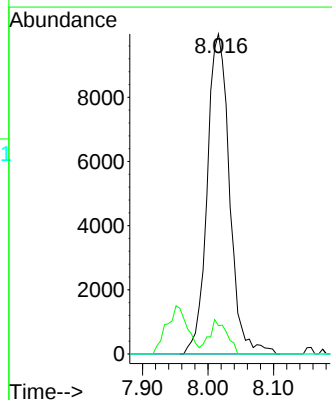
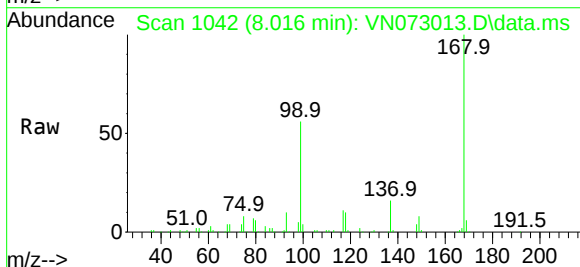
Tgt Ion: 75 Resp: 23612

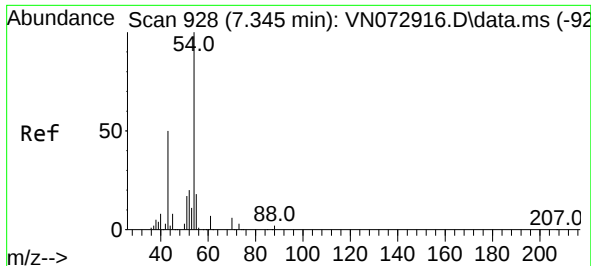
Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#

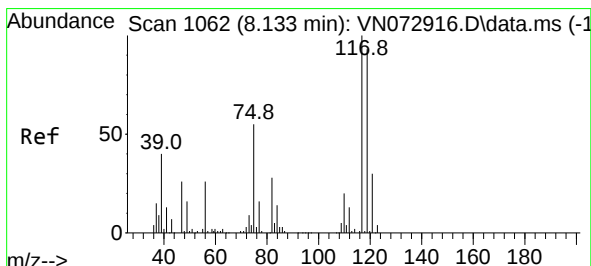
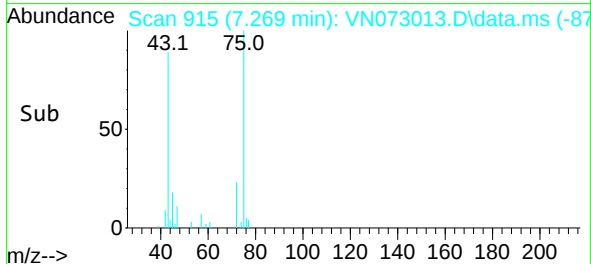
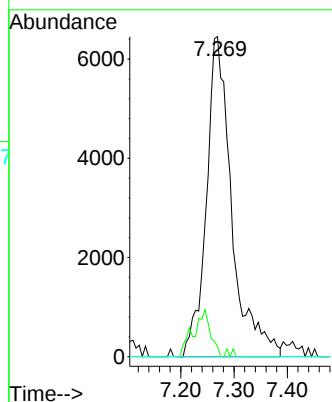
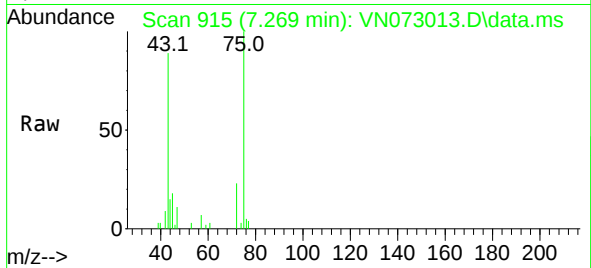




#37
Ethyl Acetate
Concen: 3.422 ug/l
RT: 7.269 min Scan# 915
Delta R.T. -0.076 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

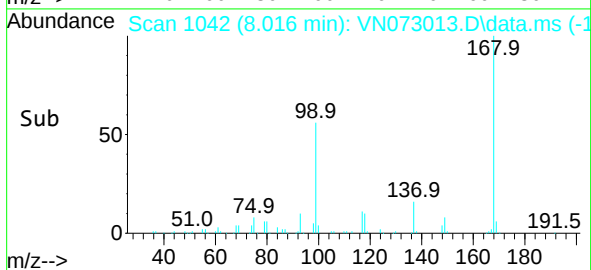
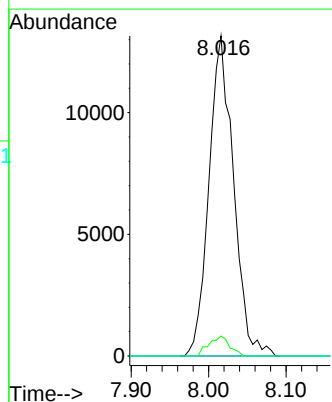
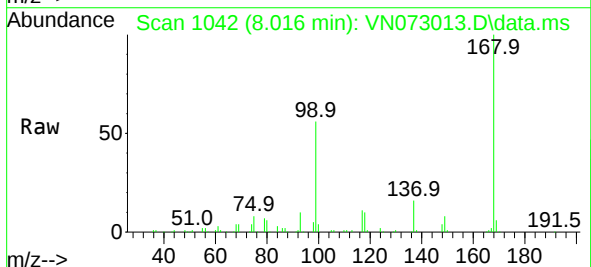
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

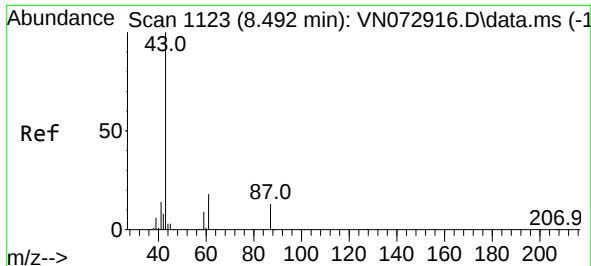
Tgt Ion: 43 Resp: 21442
Ion Ratio Lower Upper
43 100
61 0.5 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 7.029 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

Tgt Ion: 117 Resp: 28963
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.8#
121 0.0 24.6 37.0#

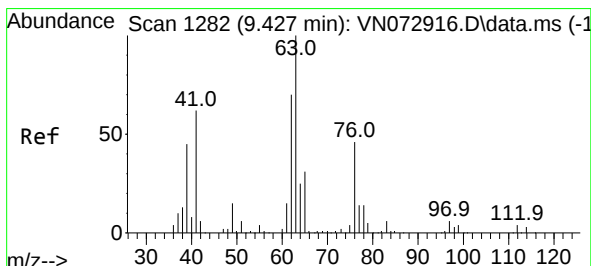
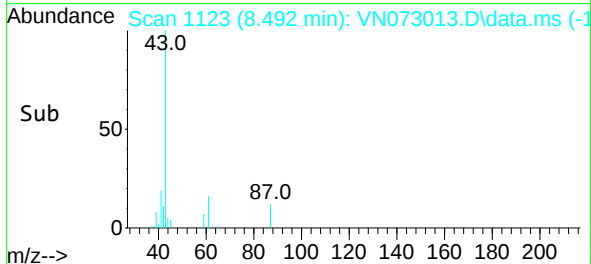
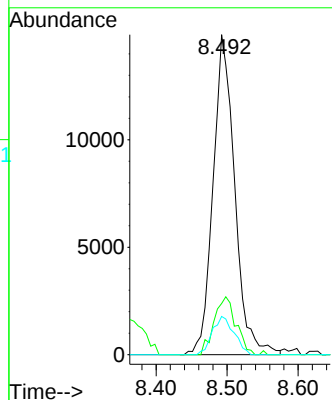
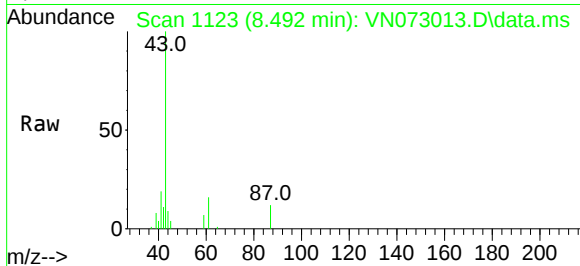




#43
Isopropyl Acetate
Concen: 3.523 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

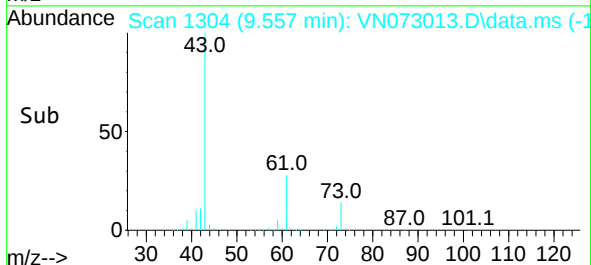
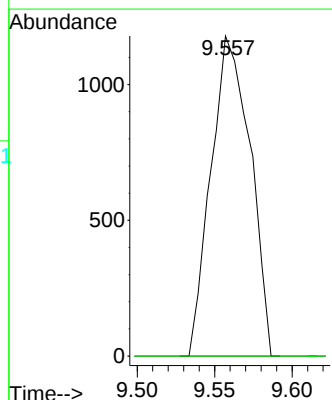
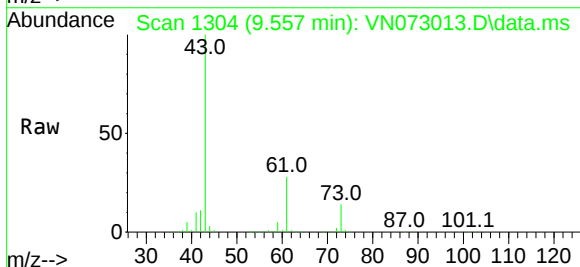
Instrument : MSVOA_N
ClientSampleId : PALMYRA-RT-73-COMP-3

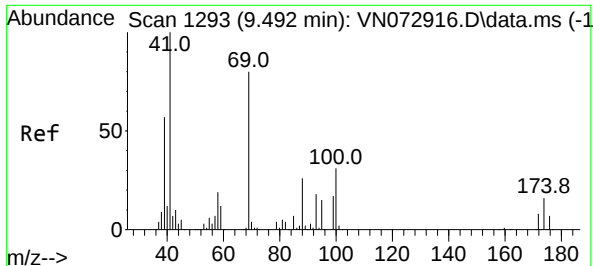
Tgt Ion: 43 Resp: 31553
Ion Ratio Lower Upper
43 100
61 18.3 21.9 32.9#
87 12.0 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.659 ug/l
RT: 9.557 min Scan# 1304
Delta R.T. 0.130 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

Tgt Ion: 63 Resp: 2075
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

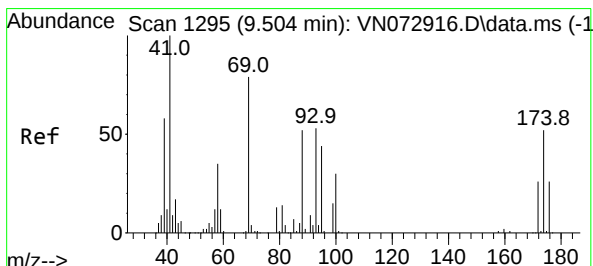
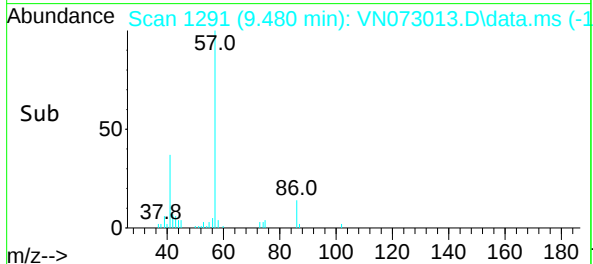
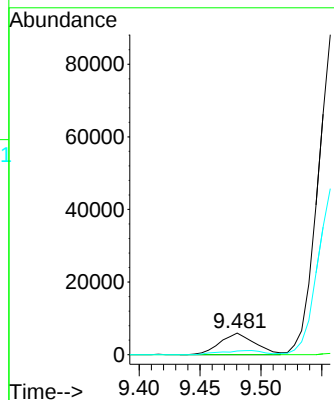
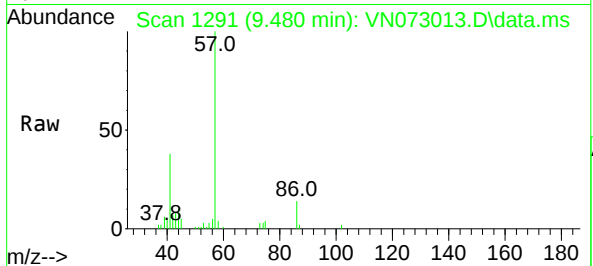




#48
Methyl methacrylate
Concen: 2.891 ug/l
RT: 9.480 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

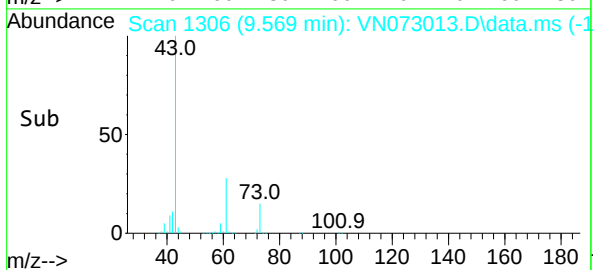
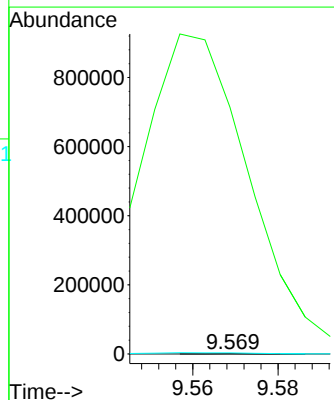
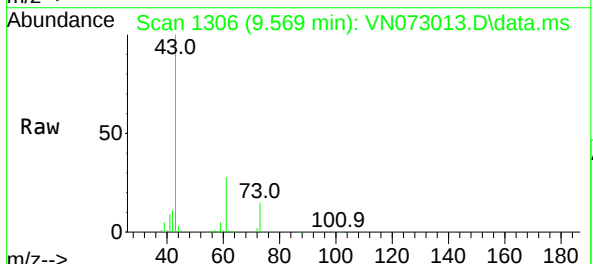
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

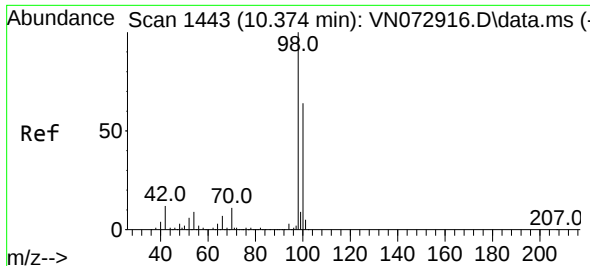
Tgt Ion: 41 Resp: 11823
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 23.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 1.033 ug/l
RT: 9.569 min Scan# 1306
Delta R.T. 0.065 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

Tgt Ion: 88 Resp: 95
Ion Ratio Lower Upper
88 100
43 1820600.0 20.2 30.4#
58 7164.2 54.2 81.4#

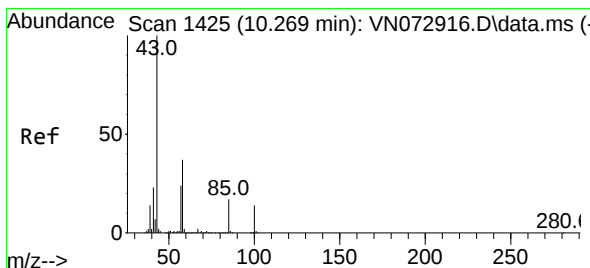
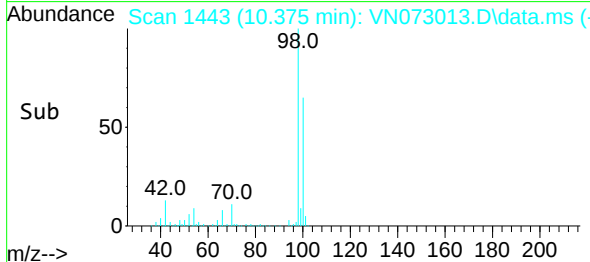
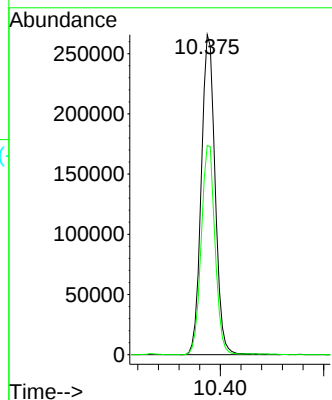
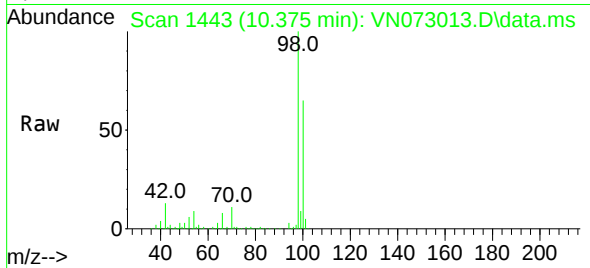




#50
Toluene-d8
Concen: 45.710 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

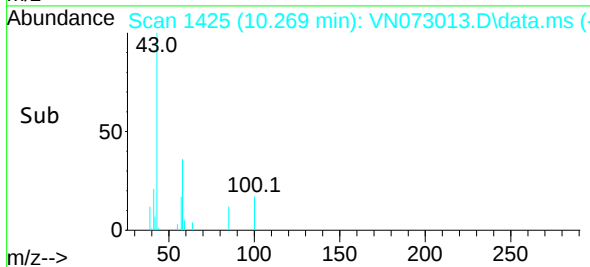
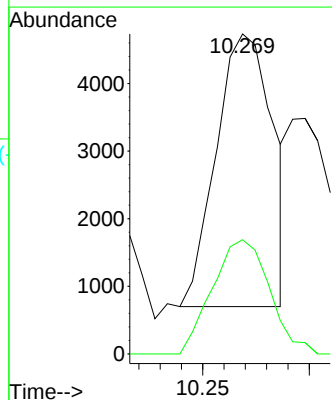
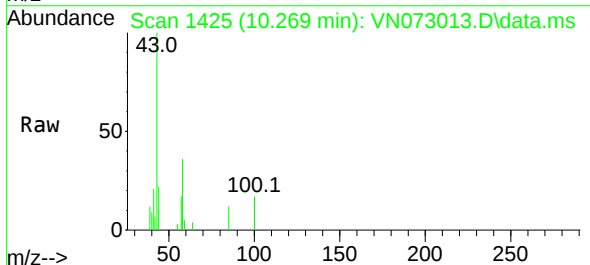
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

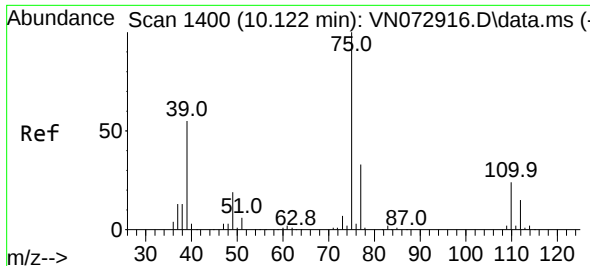
Tgt Ion: 98 Resp: 492401
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.274 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

Tgt Ion: 43 Resp: 7443
Ion Ratio Lower Upper
43 100
58 42.3 34.1 51.1

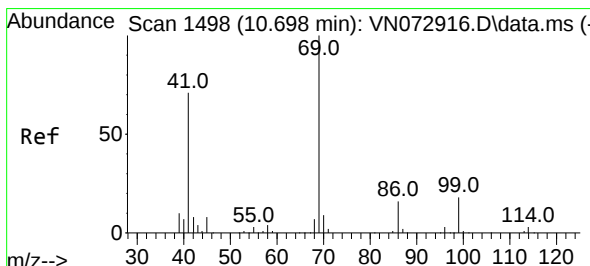
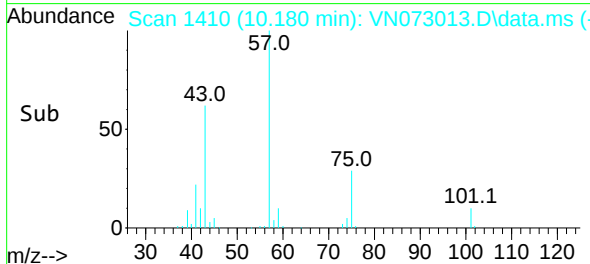
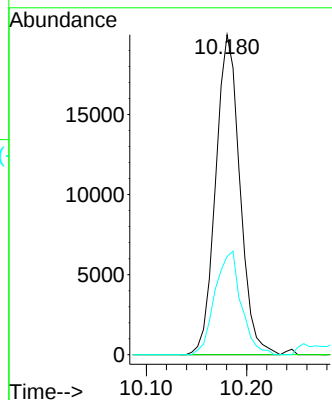
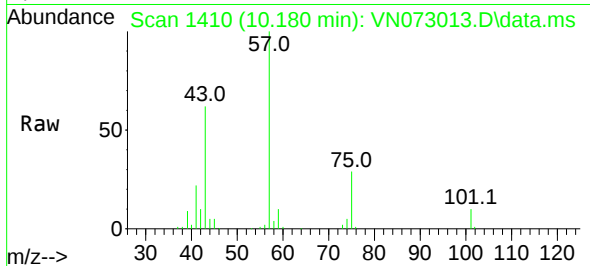




#54
 cis-1,3-Dichloropropene
 Concen: 6.731 ug/l
 RT: 10.180 min Scan# 1400
 Delta R.T. 0.059 min
 Lab File: VN073013.D
 Acq: 22 Jun 2022 08:55

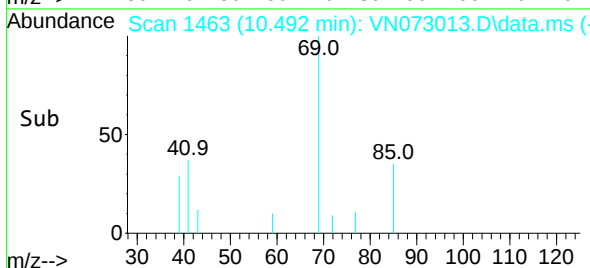
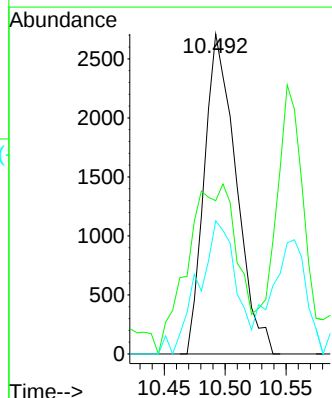
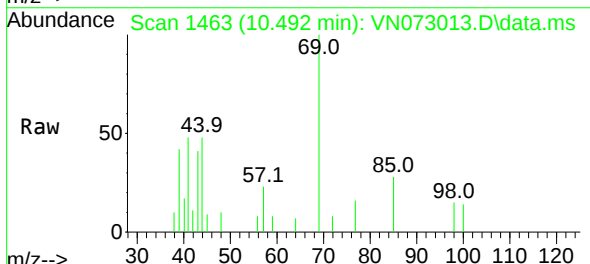
Instrument :
 MSVOA_N
 ClientSampleId :
 PALMYRA-RT-73-COMP-3

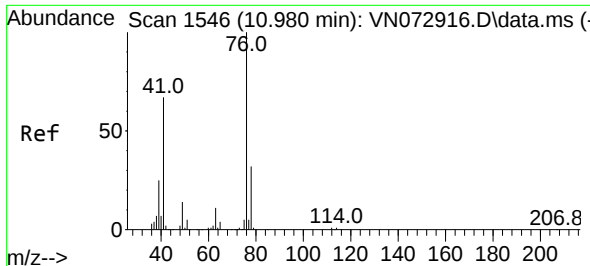
Tgt Ion: 75 Resp: 33438
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 30.7 35.7 53.5#



#56
 Ethyl methacrylate
 Concen: 0.923 ug/l
 RT: 10.492 min Scan# 1463
 Delta R.T. -0.206 min
 Lab File: VN073013.D
 Acq: 22 Jun 2022 08:55

Tgt Ion: 69 Resp: 4911
 Ion Ratio Lower Upper
 69 100
 41 83.2 47.8 71.6#
 39 49.5 27.3 40.9#





#57

1,3-Dichloropropane

Concen: 3.292 ug/l

RT: 11.033 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN073013.D

Acq: 22 Jun 2022 08:55

Instrument :

MSVOA_N

ClientSampleId :

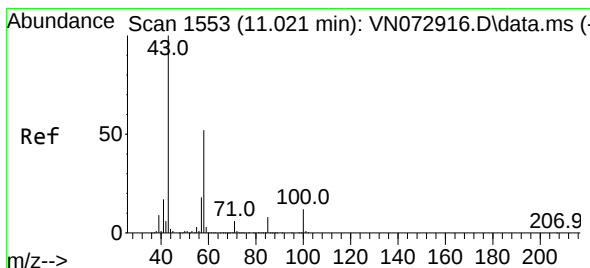
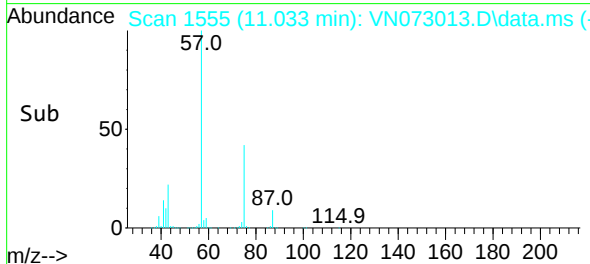
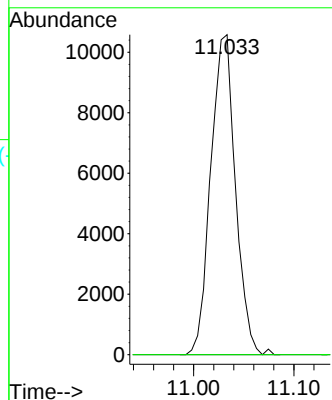
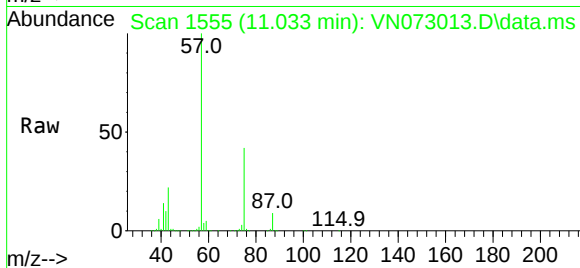
PALMYRA-RT-73-COMP-3

Tgt Ion: 76 Resp: 18125

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 65.098 ug/l

RT: 11.027 min Scan# 1554

Delta R.T. 0.006 min

Lab File: VN073013.D

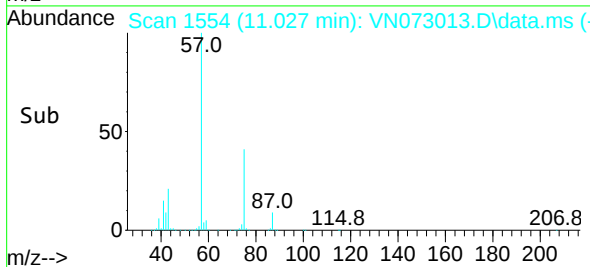
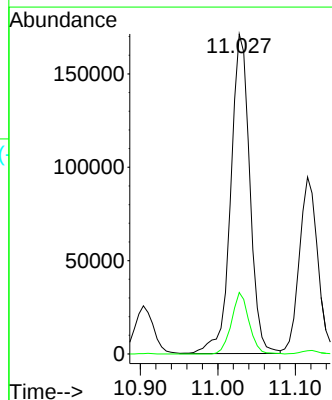
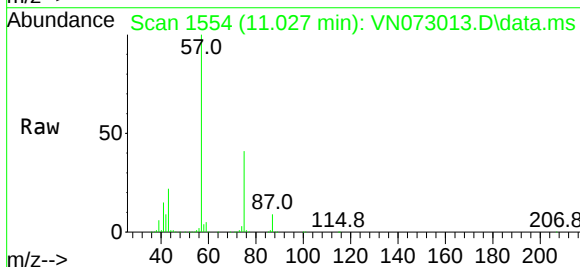
Acq: 22 Jun 2022 08:55

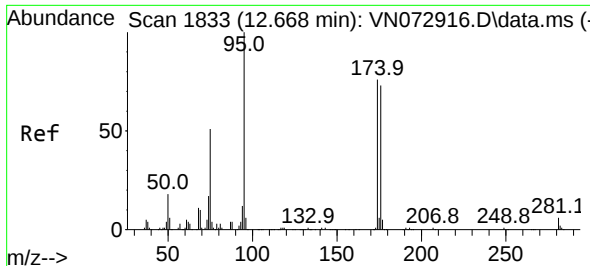
Tgt Ion: 43 Resp: 294066

Ion Ratio Lower Upper

43 100

58 17.6 29.7 89.1#

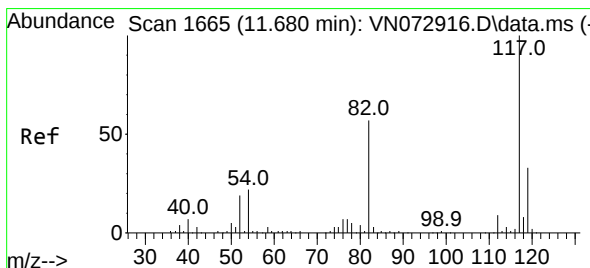
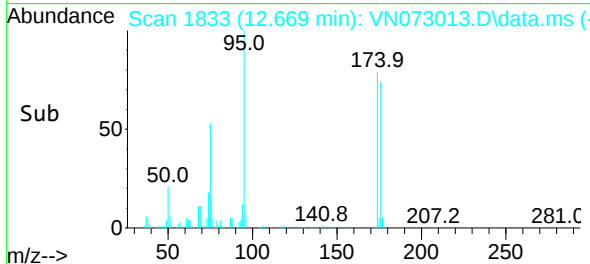
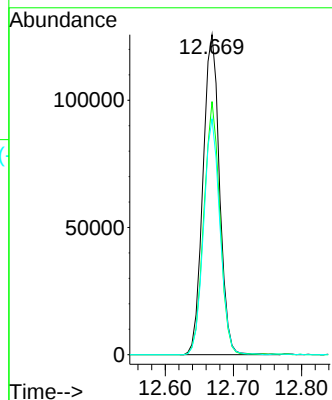
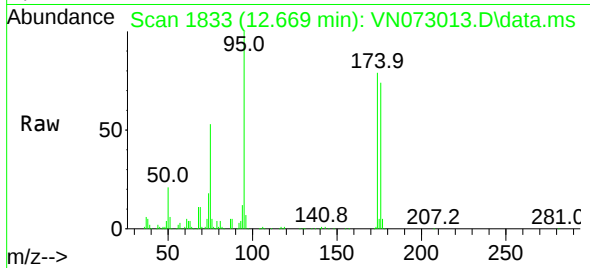




#62
4-Bromofluorobenzene
Concen: 54.783 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

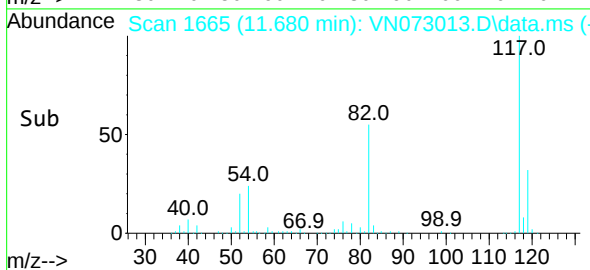
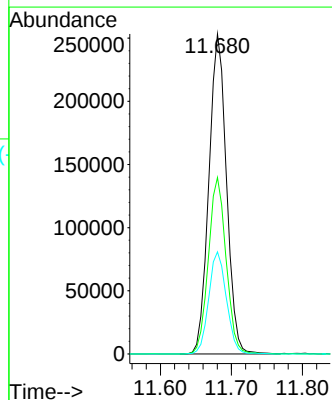
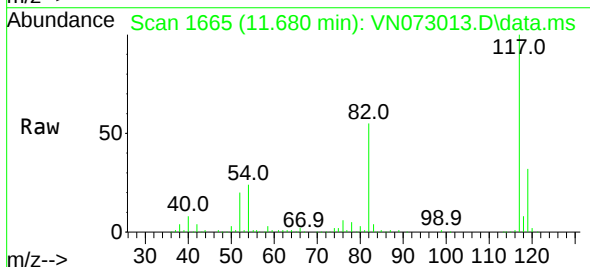
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

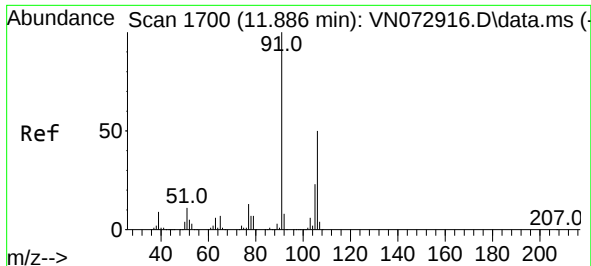
Tgt Ion: 95 Resp: 212203
Ion Ratio Lower Upper
95 100
174 76.6 0.0 167.6
176 73.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

Tgt Ion: 117 Resp: 436377
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.9 25.4 38.0

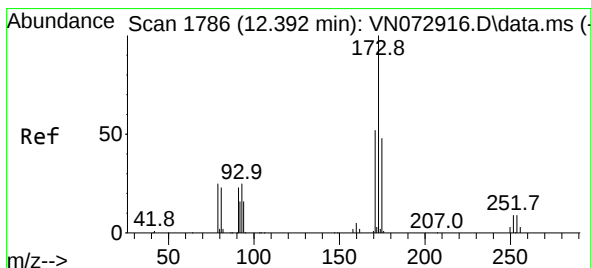
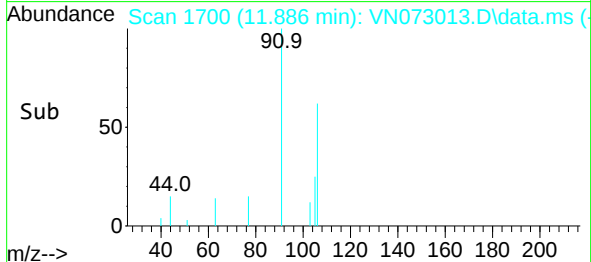
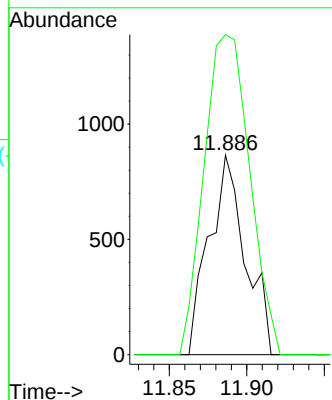
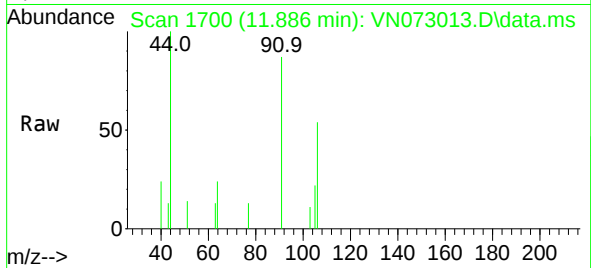




#68
m/p-Xylenes
Concen: 0.240 ug/l
RT: 11.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

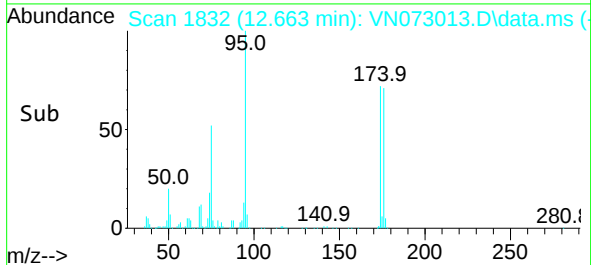
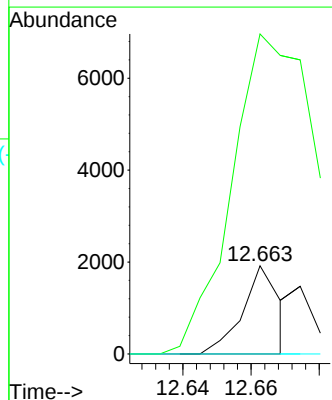
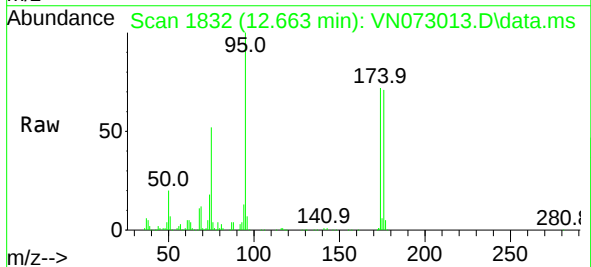
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

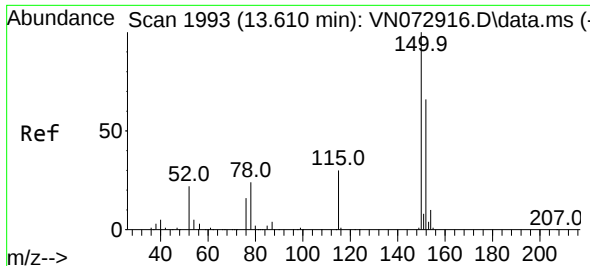
Tgt Ion:106 Resp: 1411
Ion Ratio Lower Upper
106 100
91 201.7 158.9 238.3



#71
Bromoform
Concen: 0.592 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.271 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

Tgt Ion:173 Resp: 1448
Ion Ratio Lower Upper
173 100
175 530.7 24.6 73.6#
254 0.0 0.1 0.1#

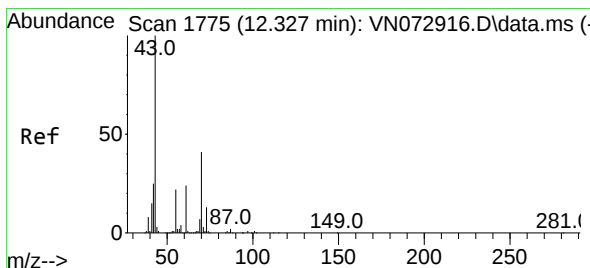
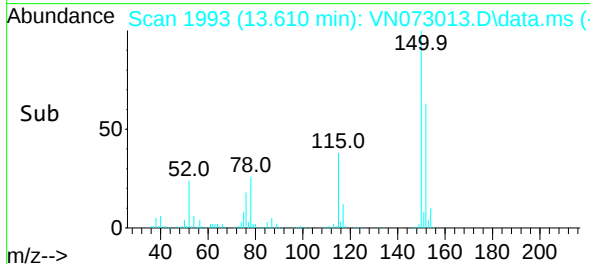
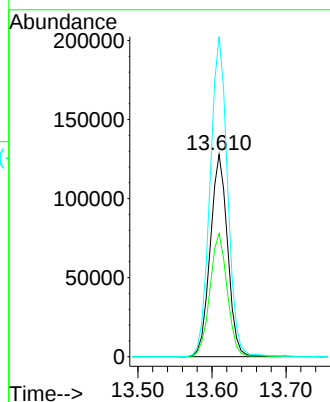
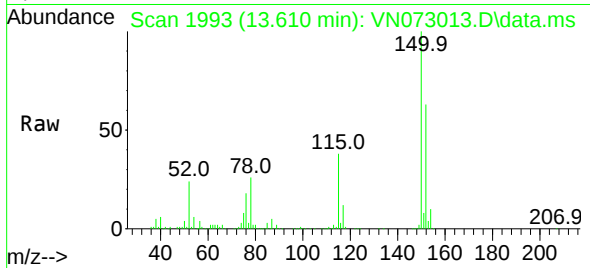




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

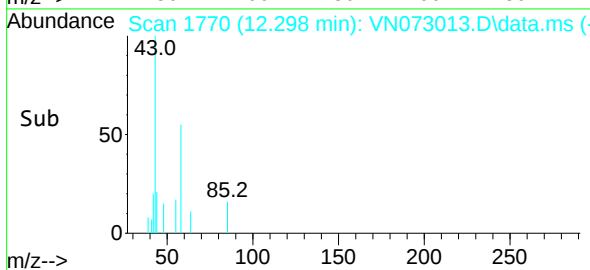
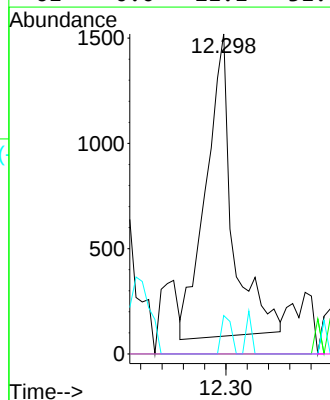
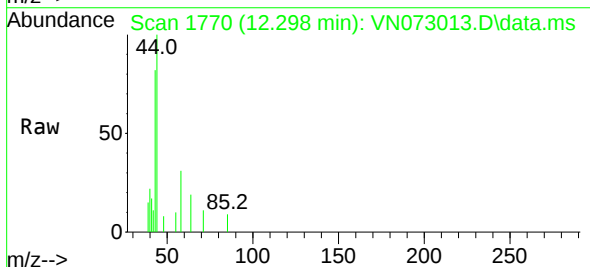
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

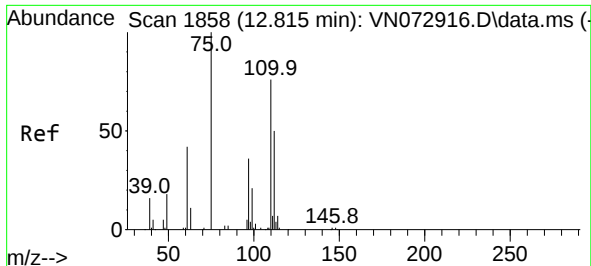
Tgt Ion:152 Resp: 208110
Ion Ratio Lower Upper
152 100
115 60.6 28.9 86.7
150 159.3 0.0 356.2



#74
N-ethyl acetate
Concen: 0.300 ug/l
RT: 12.298 min Scan# 1770
Delta R.T. -0.029 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

Tgt Ion: 43 Resp: 2507
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 4.7 21.1 31.7#
61 0.0 21.1 31.7#

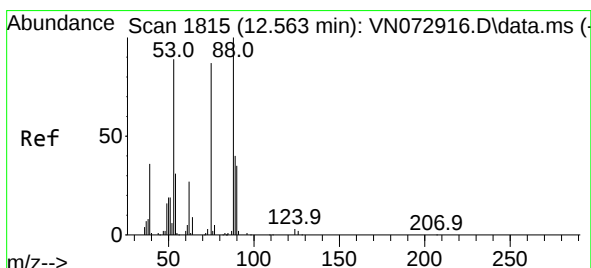
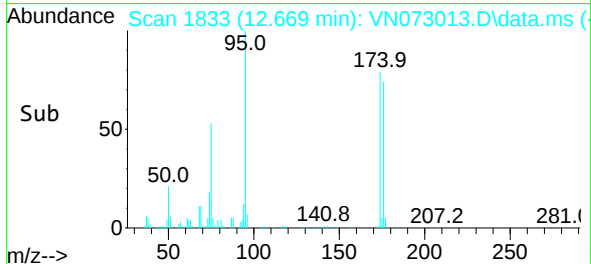
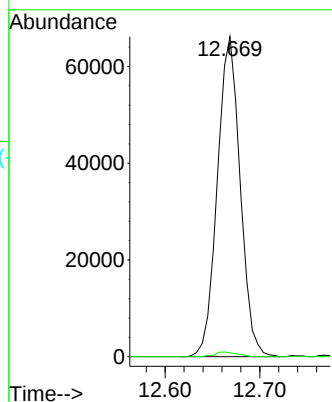
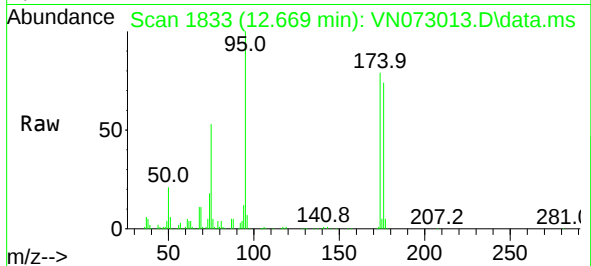




#76
1,2,3-Trichloropropane
Concen: 21.956 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

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

Tgt Ion: 75 Resp: 110783
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.296 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073013.D
Acq: 22 Jun 2022 08:55

Tgt Ion: 75 Resp: 110783
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

