

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061822\
 Data File : VN072933.D
 Acq On : 18 Jun 2022 12:30
 Operator : JC\MD
 Sample : N3329-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 20 08:03:25 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)

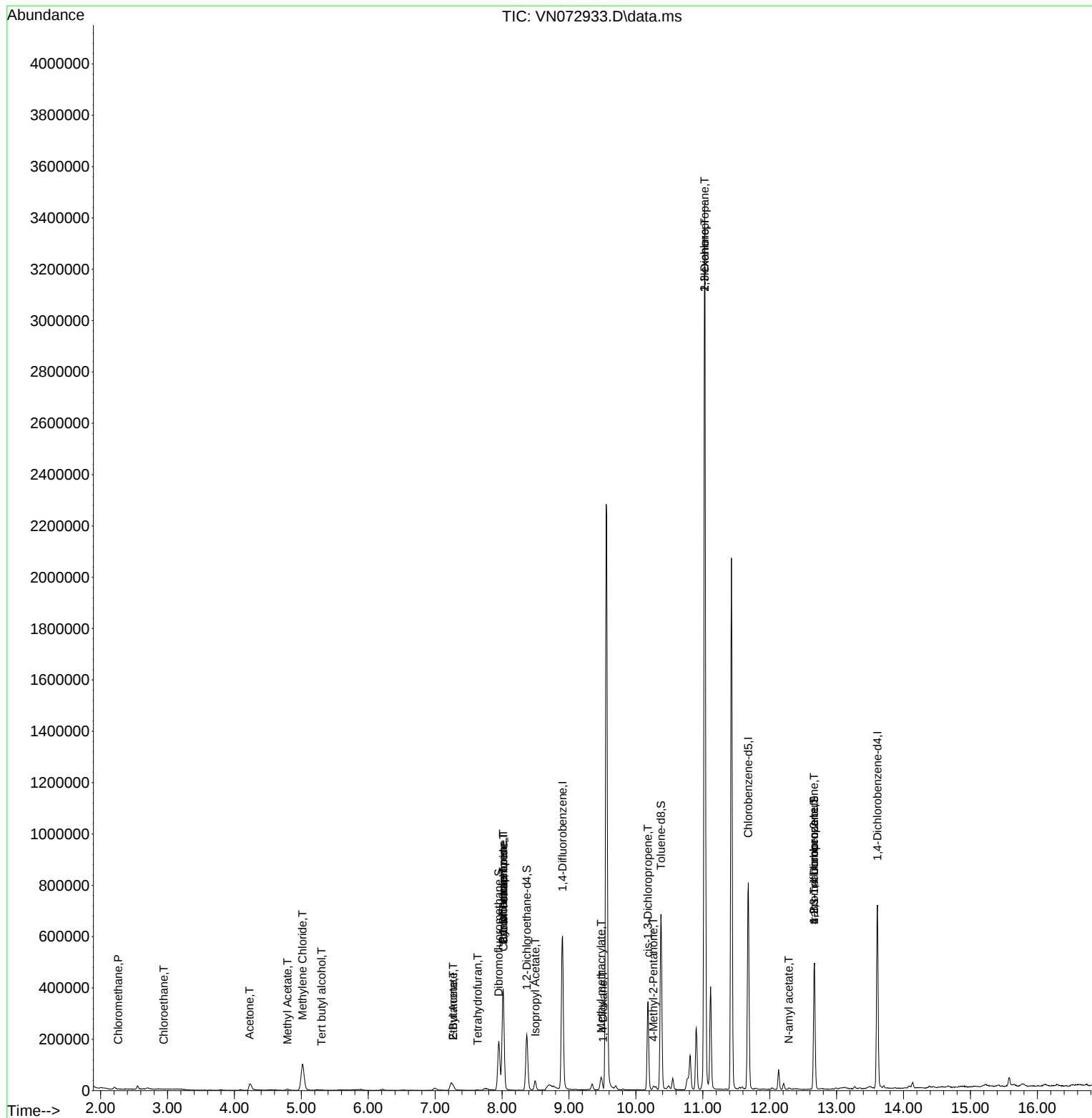
Internal Standards						
1) Pentafluorobenzene	8.016	168	305414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	542493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	461332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.609	152	197222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	181084	43.855	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.720%
35) Dibromofluoromethane	7.951	113	140026	41.760	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	83.520%
50) Toluene-d8	10.374	98	468561	37.554	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	75.100%#
62) 4-Bromofluorobenzene	12.662	95	161884	36.082	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	72.160%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	568	0.749	ug/l	98
6) Chloroethane	2.945	64	518	0.317	ug/l #	42
11) Tert butyl alcohol	5.304	59	2163	2.028	ug/l #	81
16) Acetone	4.228	43	50691	22.333	ug/l	95
18) Methyl Acetate	4.792	43	9018	1.492	ug/l #	66
20) Methylene Chloride	5.016	84	82718	23.367	ug/l	90
25) 2-Butanone	7.269	43	24718	6.863	ug/l	91
26) 2,2-Dichloropropane	7.233	77	1452	Below Cal	#	53
29) Tetrahydrofuran	7.633	42	1729	0.727	ug/l #	43
31) Cyclohexane	8.016	56	6335	1.134	ug/l #	25
36) 1,1-Dichloropropene	8.016	75	23507	5.181	ug/l #	47
37) Ethyl Acetate	7.269	43	24718	3.406	ug/l #	67
38) Carbon Tetrachloride	8.022	117	29541	6.190	ug/l #	16
43) Isopropyl Acetate	8.498	43	43057	4.151	ug/l #	87
48) Methyl methacrylate	9.480	41	14608	3.084	ug/l #	24
49) 1,4-Dioxane	9.510	88	53	0.497	ug/l #	25
51) 4-Methyl-2-Pentanone	10.263	43	11519	1.703	ug/l #	86
54) cis-1,3-Dichloropropene	10.180	75	63068	10.962	ug/l #	62
57) 1,3-Dichloropropane	11.027	76	35776	5.610	ug/l #	42
59) 2-Hexanone	11.027	43	547115	104.567	ug/l #	44
74) N-amyl acetate	12.286	43	4065	0.513	ug/l #	42
76) 1,2,3-Trichloropropane	12.662	75	83354	17.432	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.662	75	83354	47.078	ug/l #	11

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

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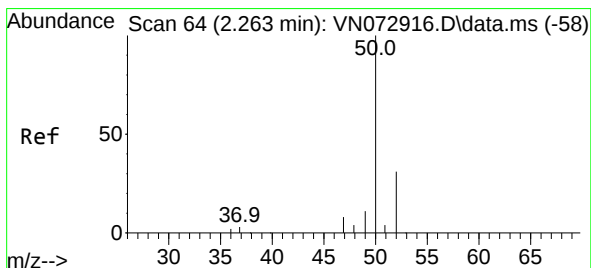
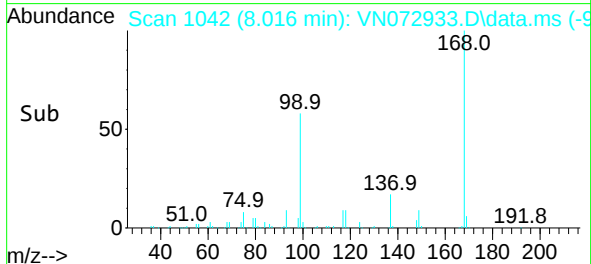
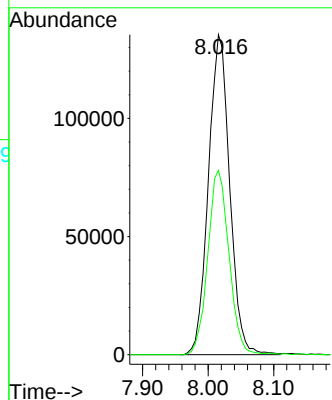
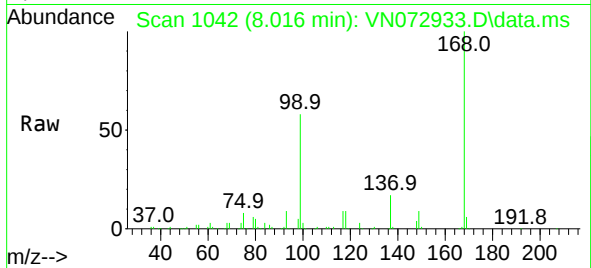




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

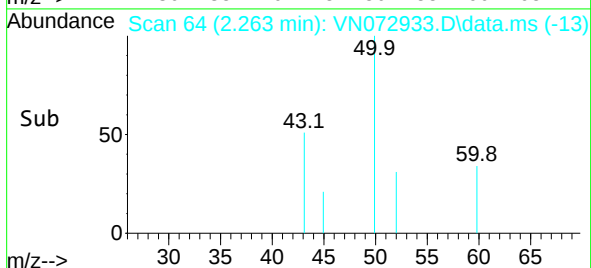
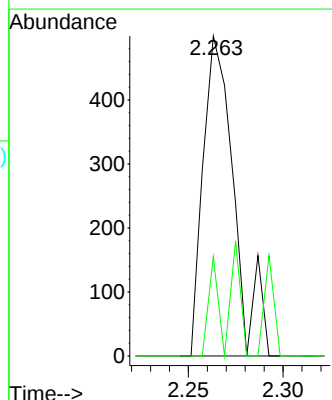
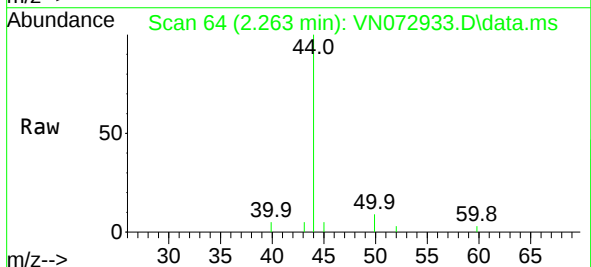
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

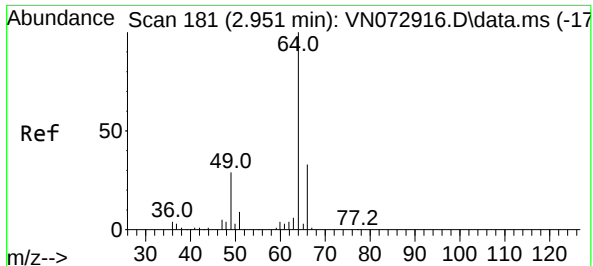
Tgt Ion:168 Resp: 305414
Ion Ratio Lower Upper
168 100
99 57.6 42.3 63.5



#3
Chloromethane
Concen: 0.749 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

Tgt Ion: 50 Resp: 568
Ion Ratio Lower Upper
50 100
52 31.0 25.7 38.5

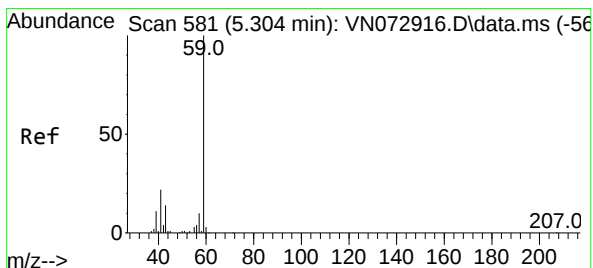
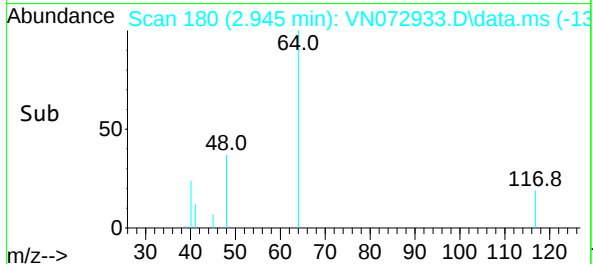
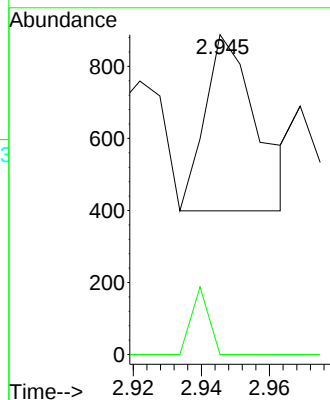
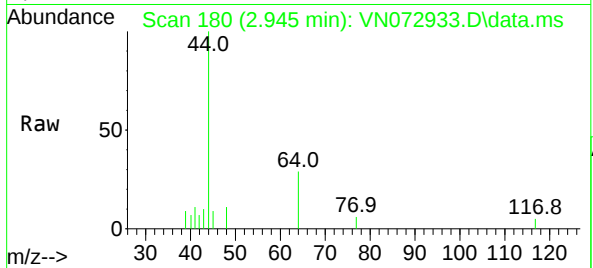




#6
Chloroethane
Concen: 0.317 ug/l
RT: 2.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

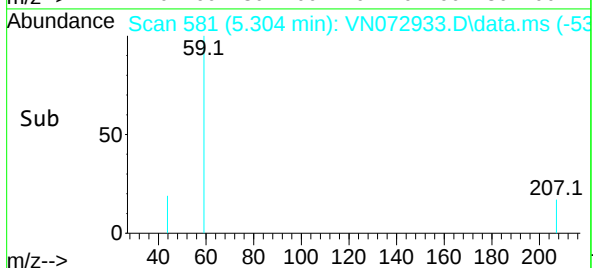
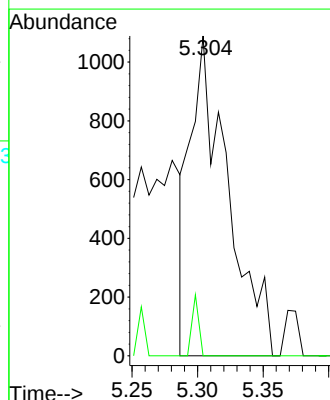
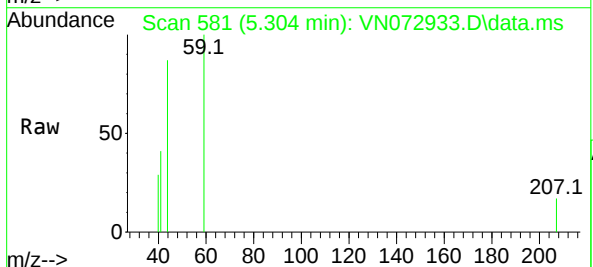
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

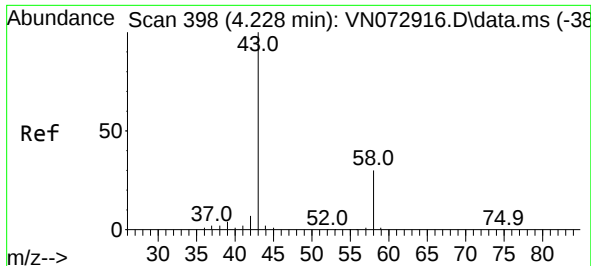
Tgt Ion: 64 Resp: 518
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.028 ug/l
RT: 5.304 min Scan# 581
Delta R.T. -0.000 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

Tgt Ion: 59 Resp: 2163
Ion Ratio Lower Upper
59 100
57 3.4 8.3 12.5#





#16

Acetone

Concen: 22.333 ug/l

RT: 4.228 min Scan# 398

Delta R.T. -0.000 min

Lab File: VN072933.D

Acq: 18 Jun 2022 12:30

Instrument :

MSVOA_N

ClientSampleId :

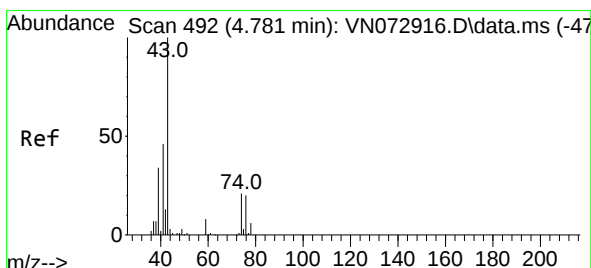
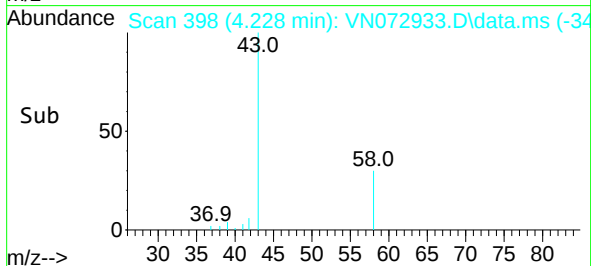
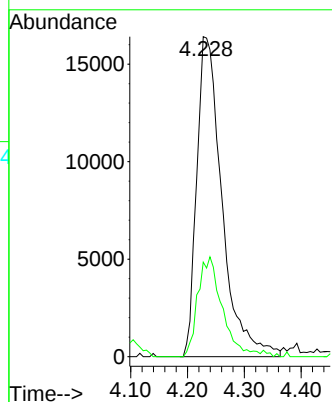
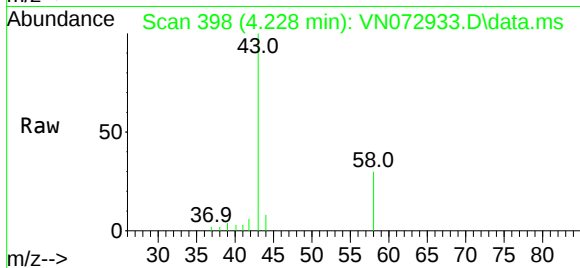
PALMYRA-RT-73-COMP-3

Tgt Ion: 43 Resp: 50691

Ion Ratio Lower Upper

43 100

58 29.5 26.0 39.0



#18

Methyl Acetate

Concen: 1.492 ug/l

RT: 4.792 min Scan# 494

Delta R.T. 0.012 min

Lab File: VN072933.D

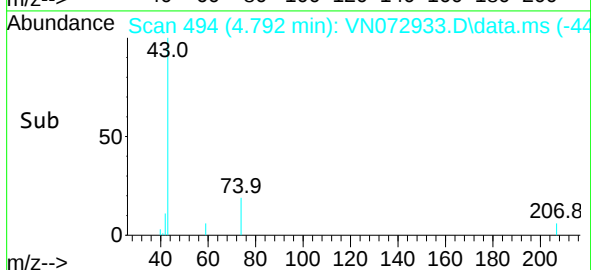
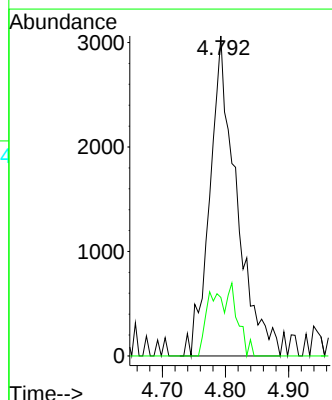
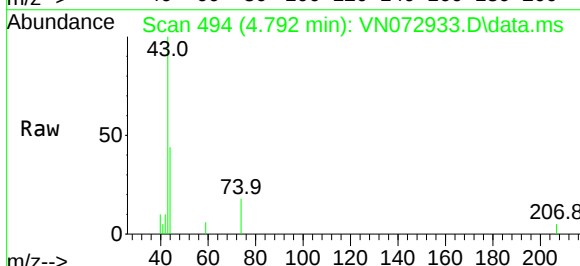
Acq: 18 Jun 2022 12:30

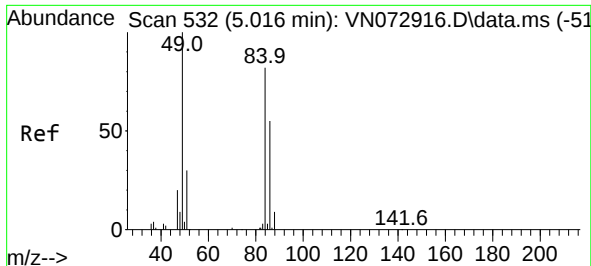
Tgt Ion: 43 Resp: 9018

Ion Ratio Lower Upper

43 100

74 9.3 21.6 32.4#

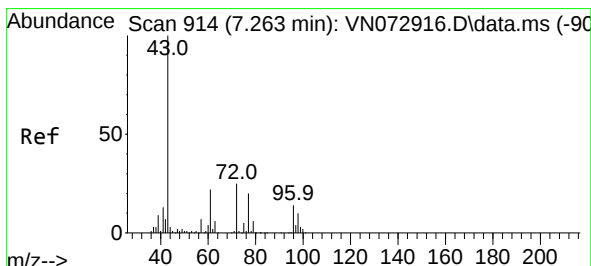
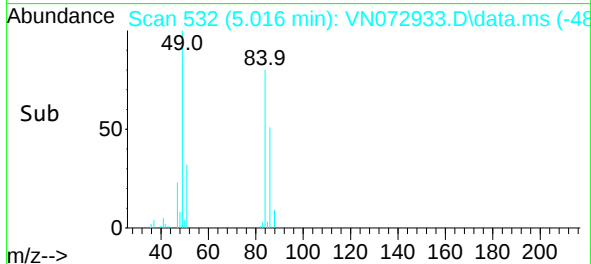
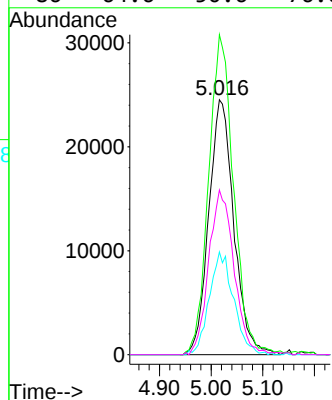
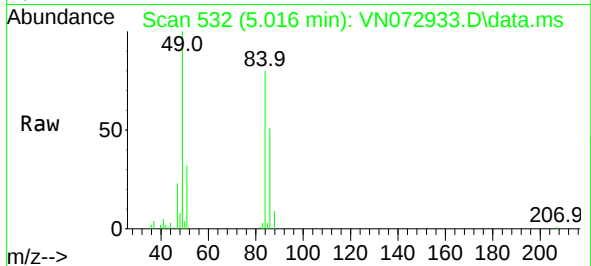




#20
Methylene Chloride
Concen: 23.367 ug/l
RT: 5.016 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

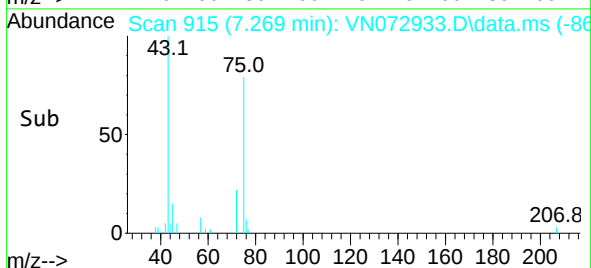
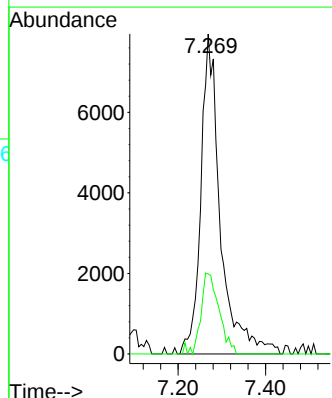
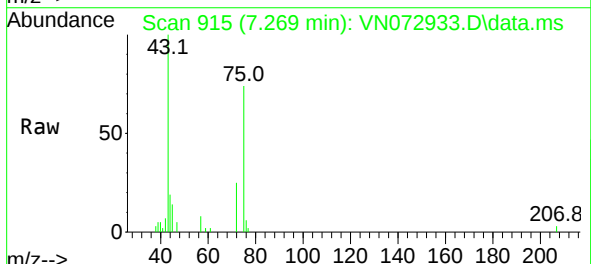
Instrument :
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PALMYRA-RT-73-COMP-3

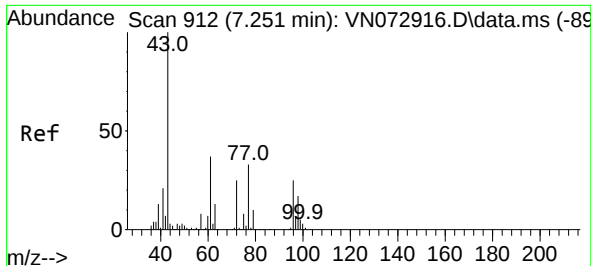
Tgt Ion:	84	Resp:	82718
Ion	Ratio	Lower	Upper
84	100		
49	125.5	88.3	132.5
51	40.3	28.2	42.2
86	64.6	50.6	76.0



#25
2-Butanone
Concen: 6.863 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.006 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

Tgt Ion:	43	Resp:	24718
Ion	Ratio	Lower	Upper
43	100		
72	25.0	23.7	35.5

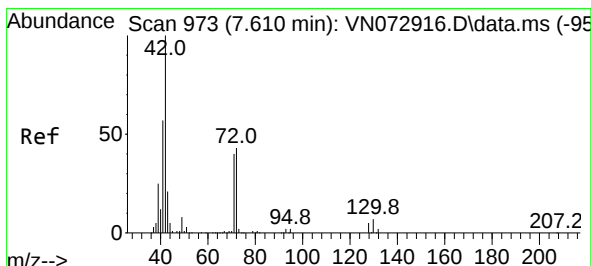
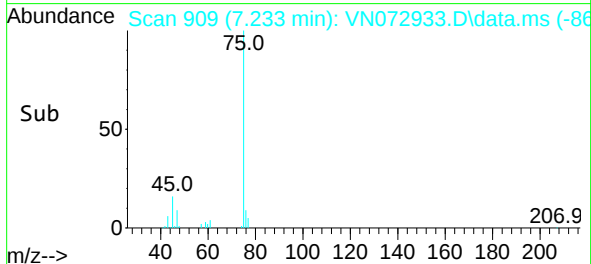
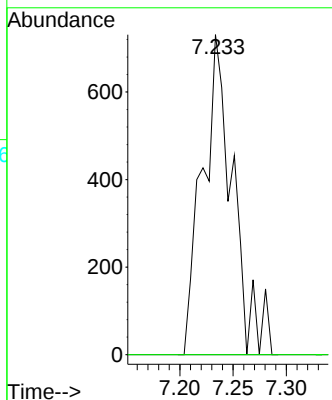
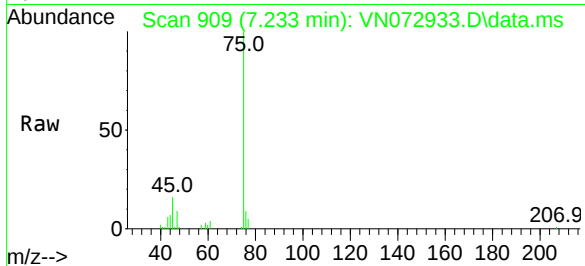




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.233 min Scan# 909
Delta R.T. -0.018 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

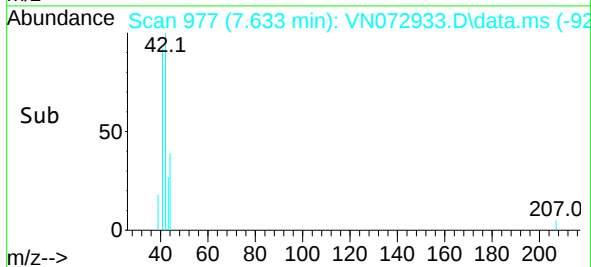
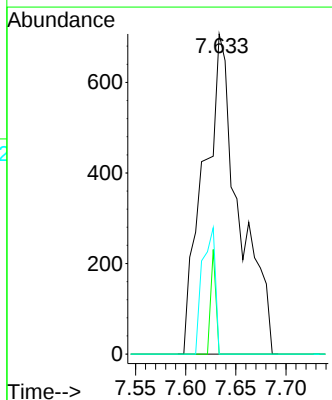
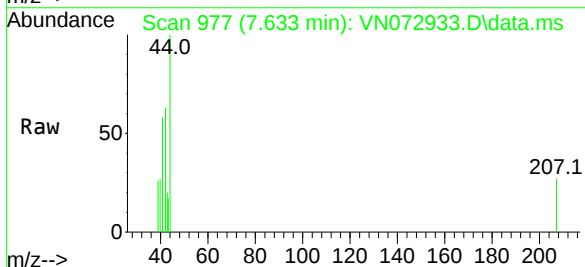
Instrument :
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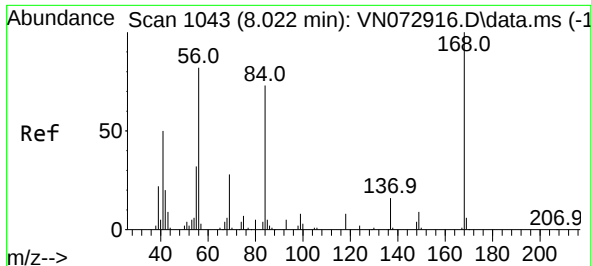
Tgt Ion: 77 Resp: 1452
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.727 ug/l
RT: 7.633 min Scan# 977
Delta R.T. 0.023 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

Tgt Ion: 42 Resp: 1729
Ion Ratio Lower Upper
42 100
72 4.7 39.7 59.5#
71 14.5 36.6 55.0#

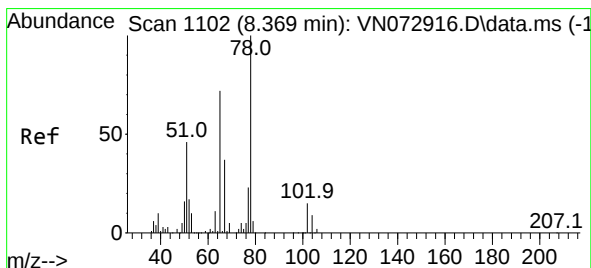
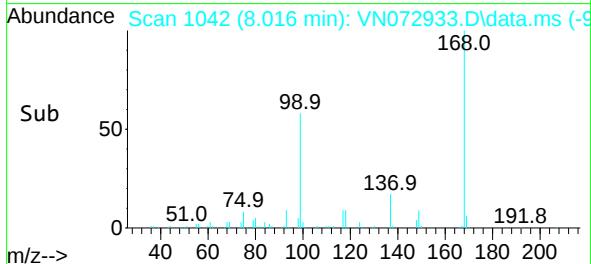
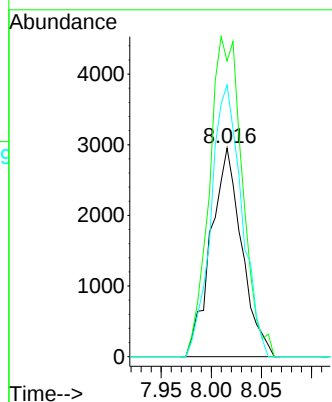
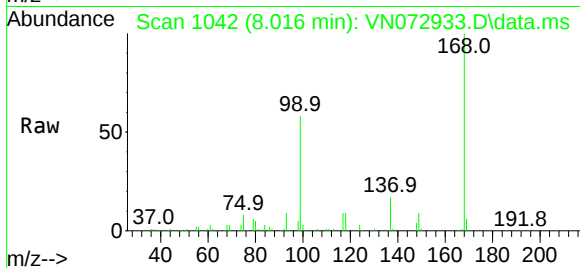




#31
Cyclohexane
Concen: 1.134 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

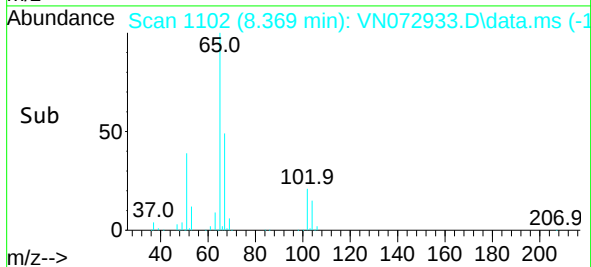
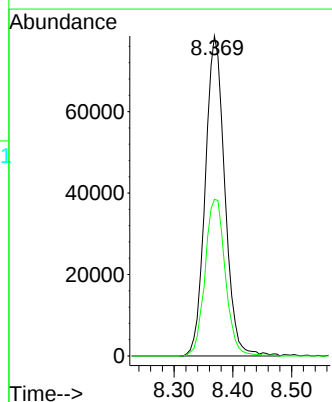
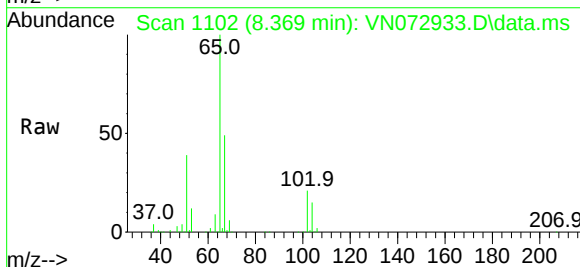
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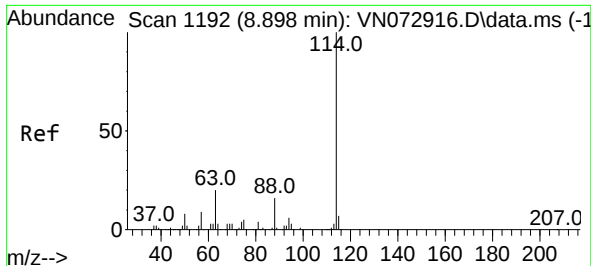
Tgt Ion: 56 Resp: 6335
Ion Ratio Lower Upper
56 100
69 141.7 27.8 41.8#
84 130.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.855 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

Tgt Ion: 65 Resp: 181084
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.8

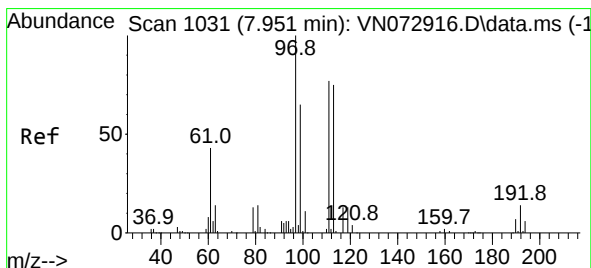
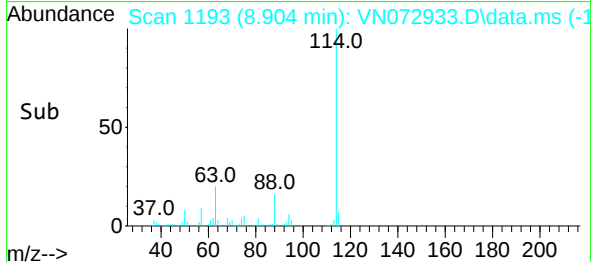
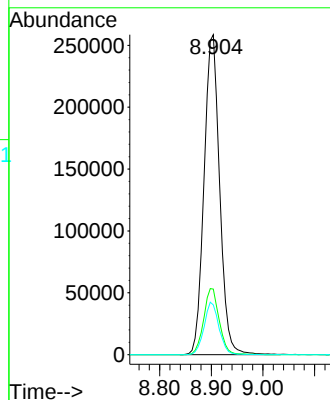
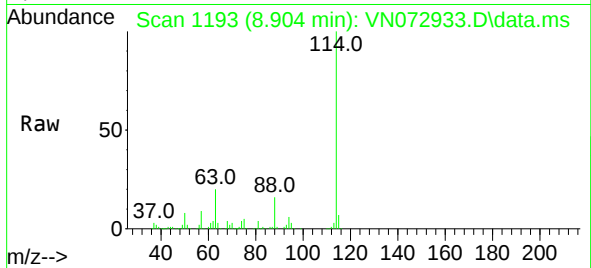




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

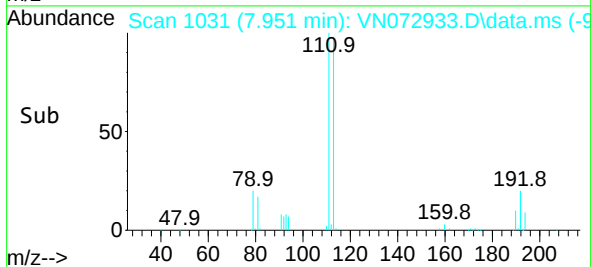
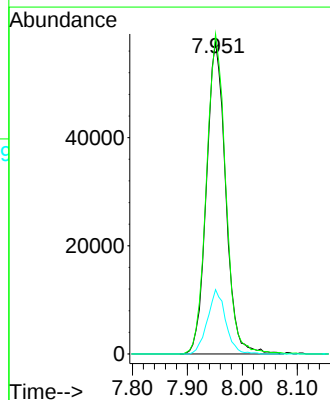
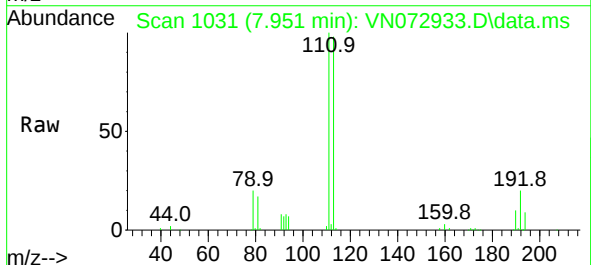
Instrument :
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PALMYRA-RT-73-COMP-3

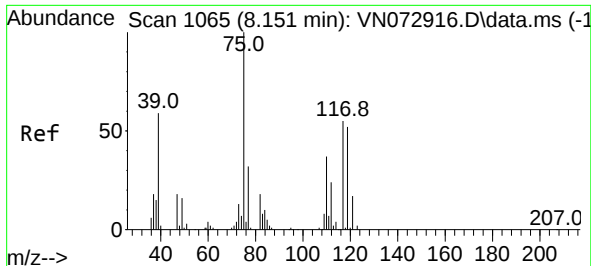
Tgt Ion:114 Resp: 542493
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.0
88 15.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 41.760 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

Tgt Ion:113 Resp: 140026
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 19.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.181 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN072933.D

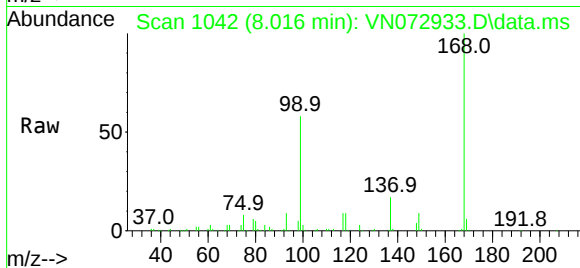
Acq: 18 Jun 2022 12:30

Instrument :

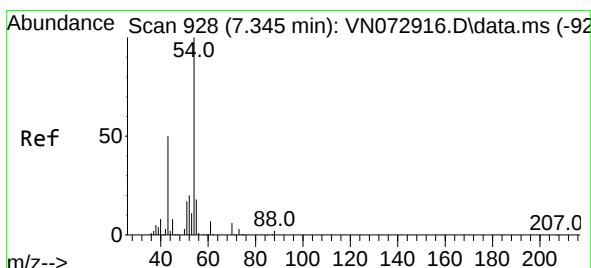
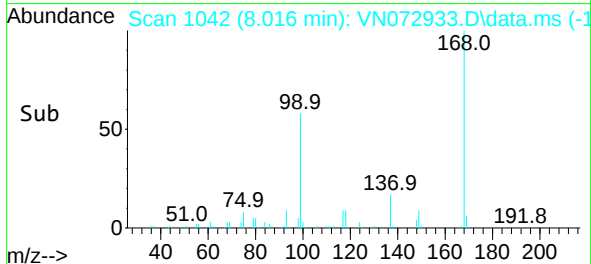
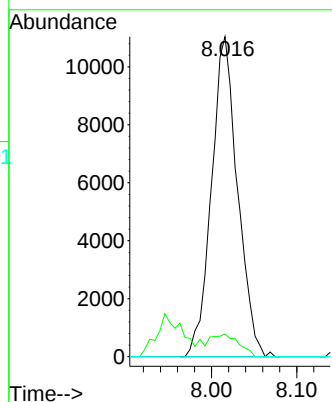
MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-3



Tgt Ion:	75	Resp:	23507
Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.3	54.8#
77	0.0	25.1	37.7#



#37

Ethyl Acetate

Concen: 3.406 ug/l

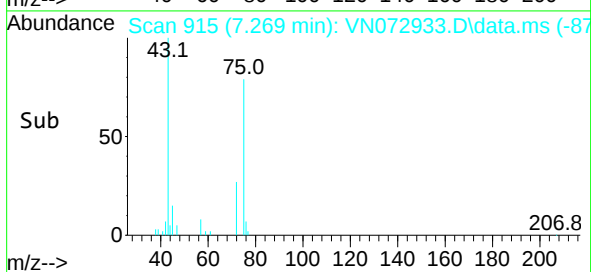
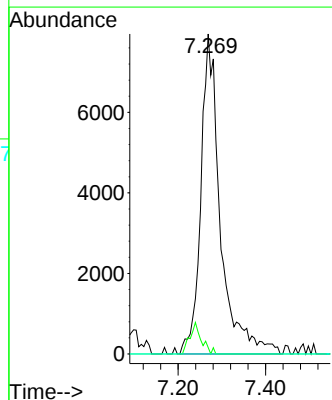
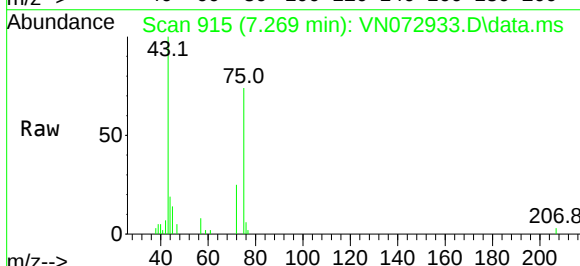
RT: 7.269 min Scan# 915

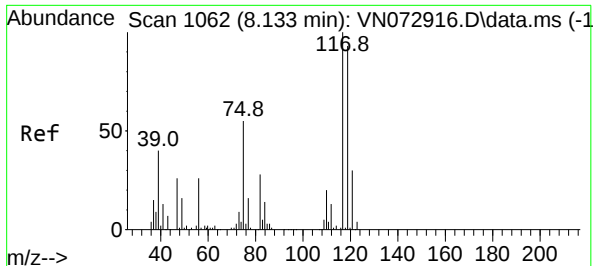
Delta R.T. -0.077 min

Lab File: VN072933.D

Acq: 18 Jun 2022 12:30

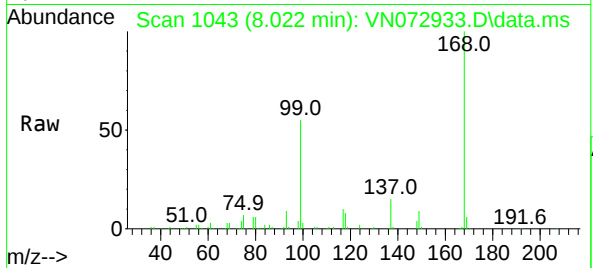
Tgt Ion:	43	Resp:	24718
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	9.3	13.9#



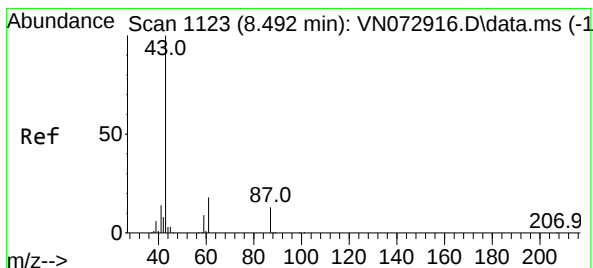
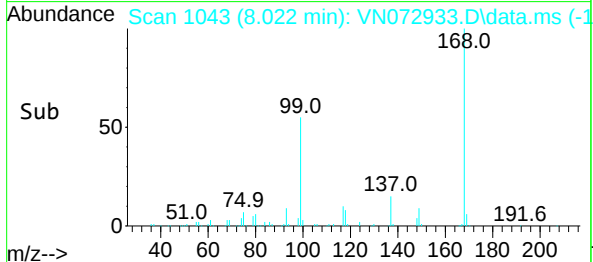
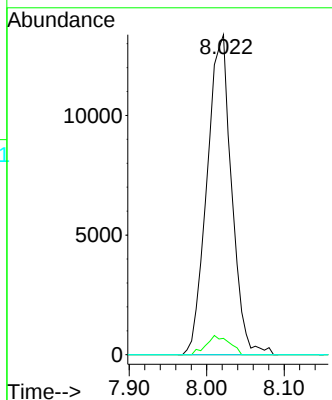


#38
Carbon Tetrachloride
Concen: 6.190 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

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

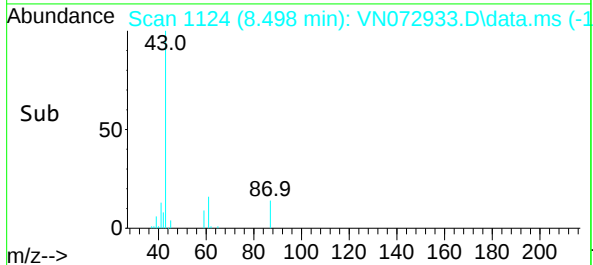
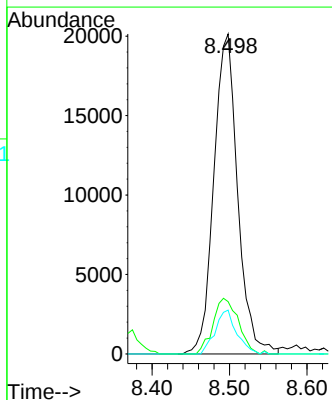
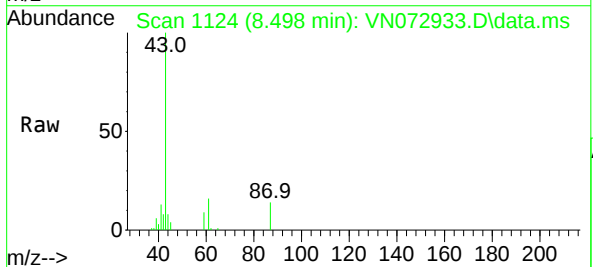


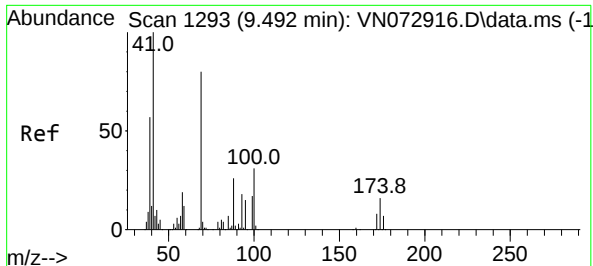
Tgt Ion:117 Resp: 29541
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 4.151 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

Tgt Ion: 43 Resp: 43057
Ion Ratio Lower Upper
43 100
61 18.4 21.9 32.9#
87 12.4 12.0 18.0





#48

Methyl methacrylate

Concen: 3.084 ug/l

RT: 9.480 min Scan# 1291

Delta R.T. -0.012 min

Lab File: VN072933.D

Acq: 18 Jun 2022 12:30

Instrument :

MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-3

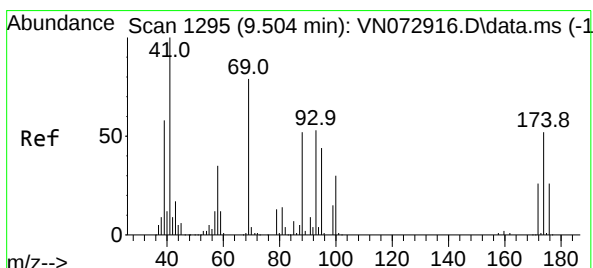
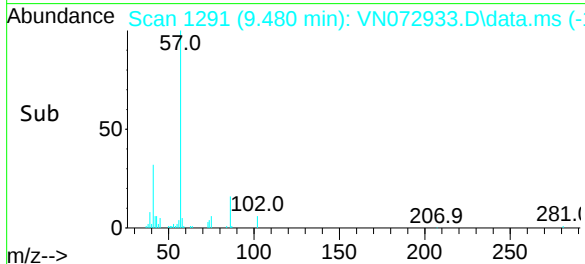
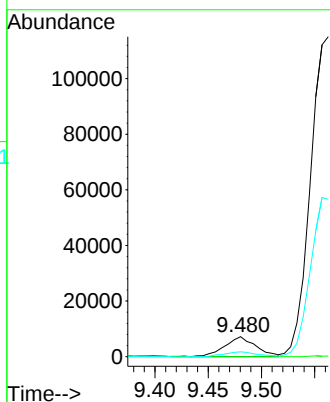
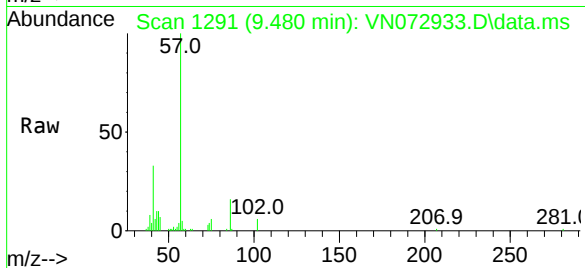
Tgt Ion: 41 Resp: 14608

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 25.6 45.6 68.4#



#49

1,4-Dioxane

Concen: 0.497 ug/l

RT: 9.510 min Scan# 1296

Delta R.T. 0.006 min

Lab File: VN072933.D

Acq: 18 Jun 2022 12:30

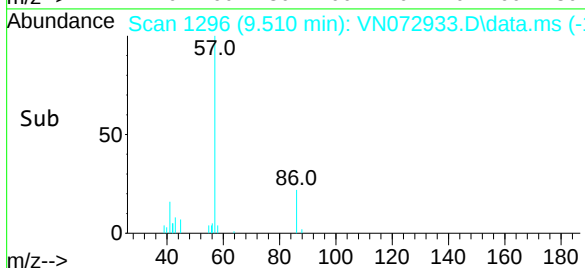
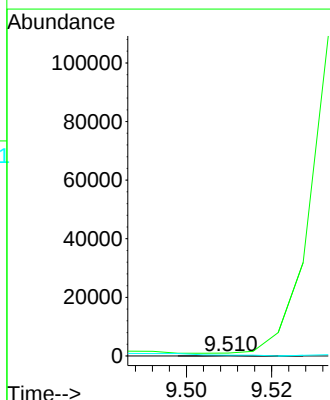
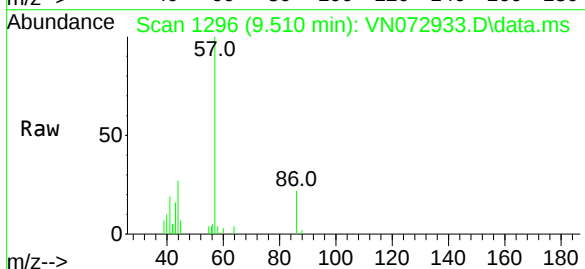
Tgt Ion: 88 Resp: 53

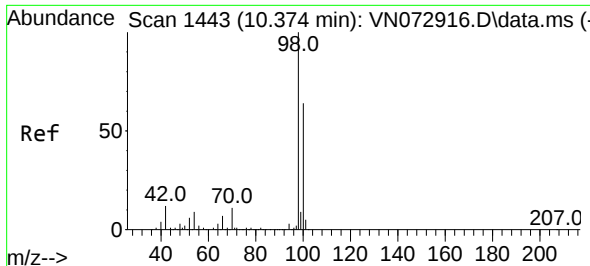
Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 0.0 54.2 81.4#

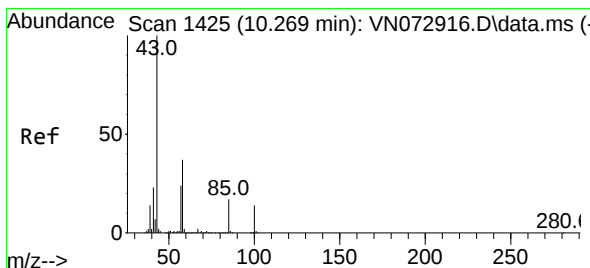
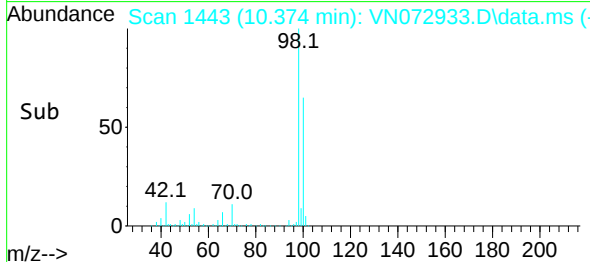
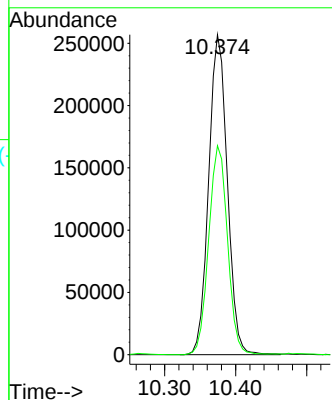
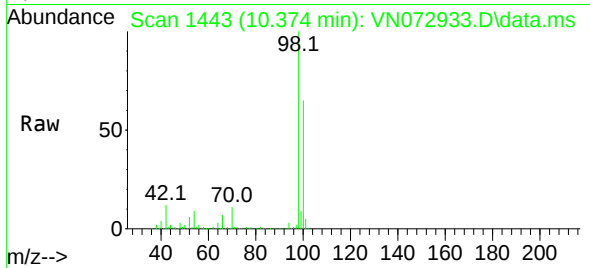




#50
Toluene-d8
Concen: 37.554 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

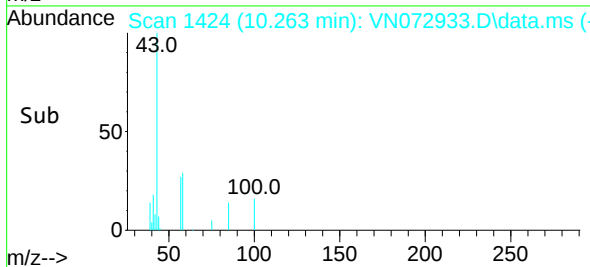
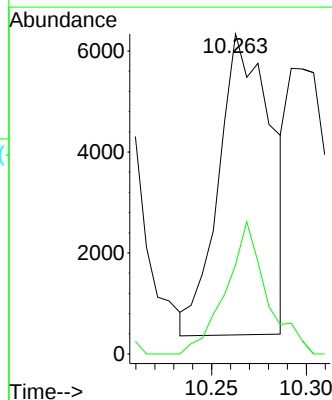
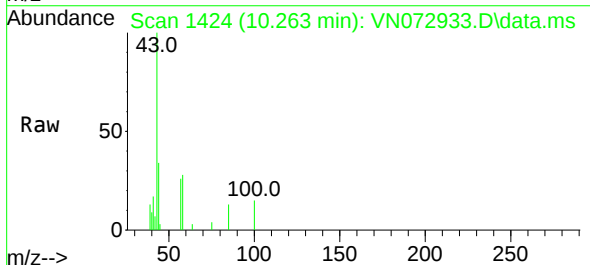
Instrument : MSVOA_N
ClientSampleId : PALMYRA-RT-73-COMP-3

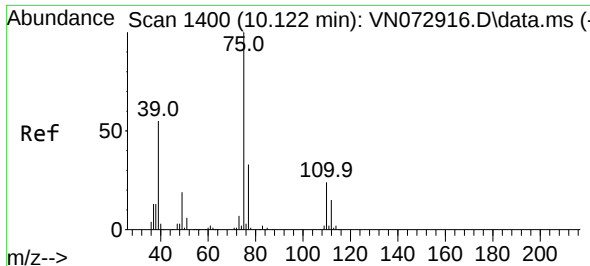
Tgt Ion: 98 Resp: 468561
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.703 ug/l
RT: 10.263 min Scan# 1424
Delta R.T. -0.006 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

Tgt Ion: 43 Resp: 11519
Ion Ratio Lower Upper
43 100
58 33.9 34.1 51.1#

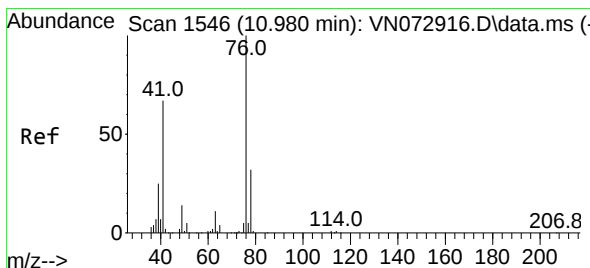
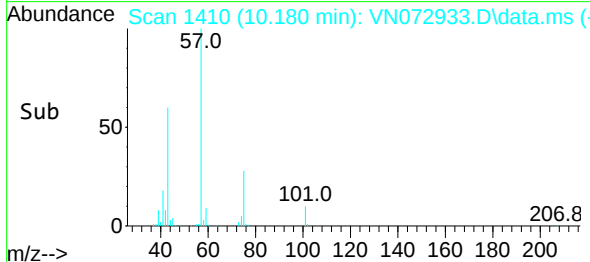
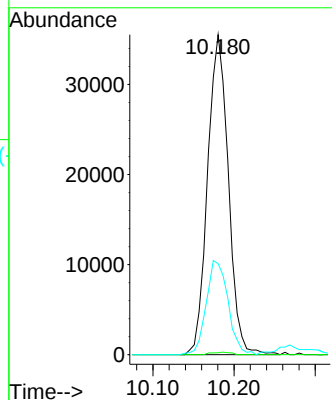
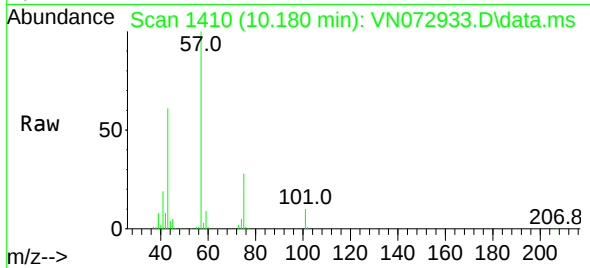




#54
 cis-1,3-Dichloropropene
 Concen: 10.962 ug/l
 RT: 10.180 min Scan# 1400
 Delta R.T. 0.059 min
 Lab File: VN072933.D
 Acq: 18 Jun 2022 12:30

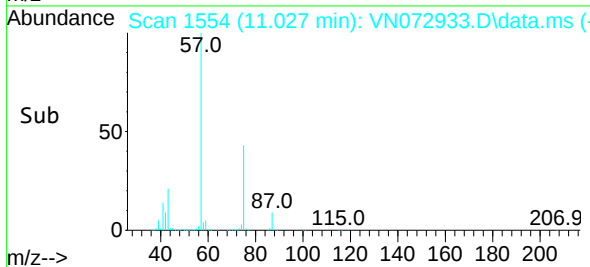
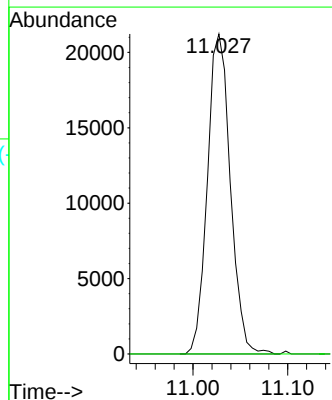
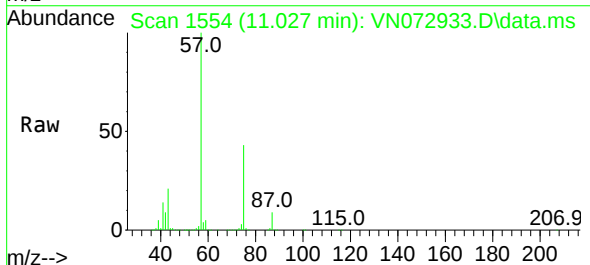
Instrument :
 MSVOA_N
 ClientSampleId :
 PALMYRA-RT-73-COMP-3

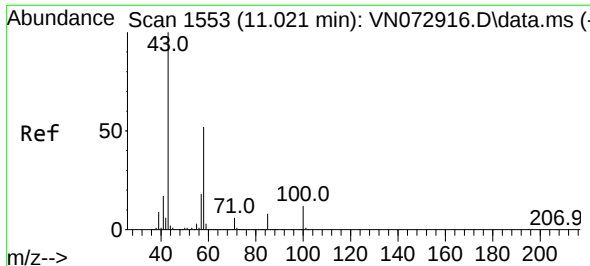
Tgt Ion: 75 Resp: 63068
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 28.4 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 5.610 ug/l
 RT: 11.027 min Scan# 1554
 Delta R.T. 0.047 min
 Lab File: VN072933.D
 Acq: 18 Jun 2022 12:30

Tgt Ion: 76 Resp: 35776
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

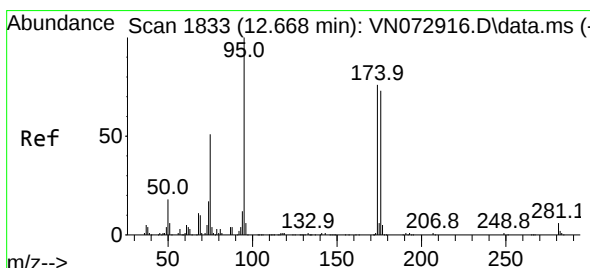
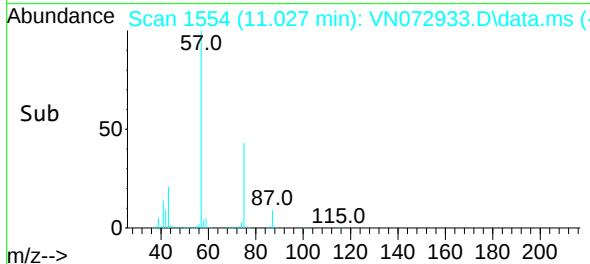
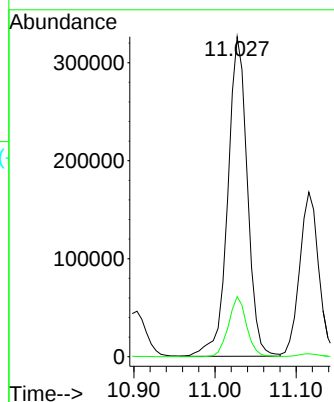
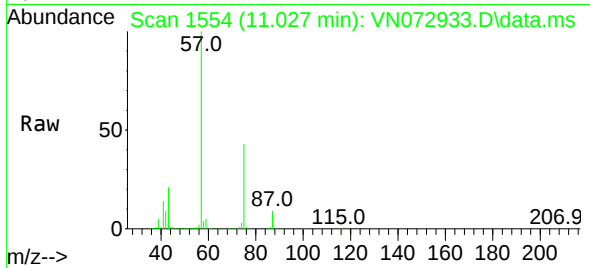




#59
2-Hexanone
Concen: 104.567 ug/l
RT: 11.027 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

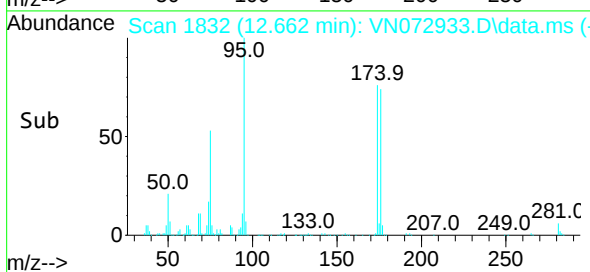
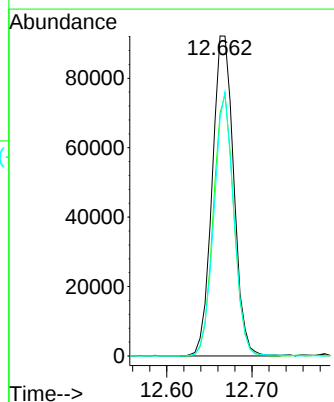
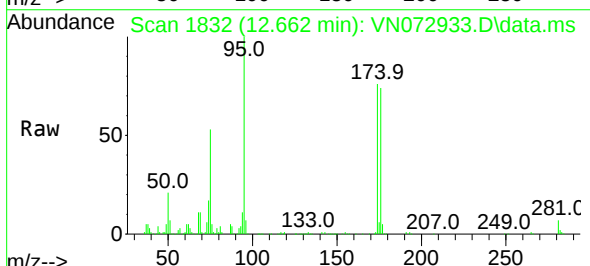
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

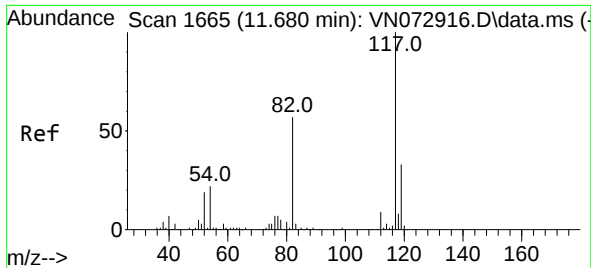
Tgt Ion: 43 Resp: 547115
Ion Ratio Lower Upper
43 100
58 17.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 36.082 ug/l
RT: 12.662 min Scan# 1832
Delta R.T. -0.006 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

Tgt Ion: 95 Resp: 161884
Ion Ratio Lower Upper
95 100
174 77.1 0.0 167.6
176 76.0 0.0 163.4

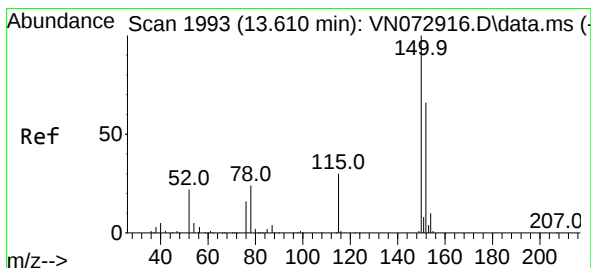
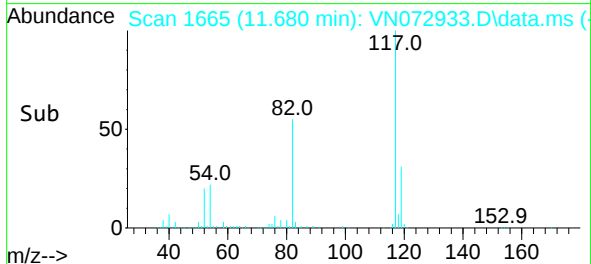
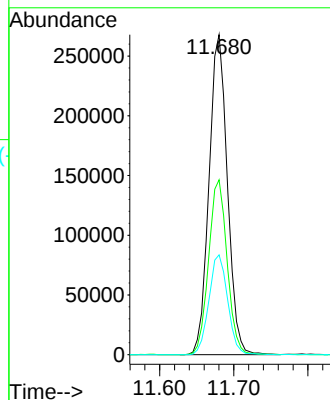
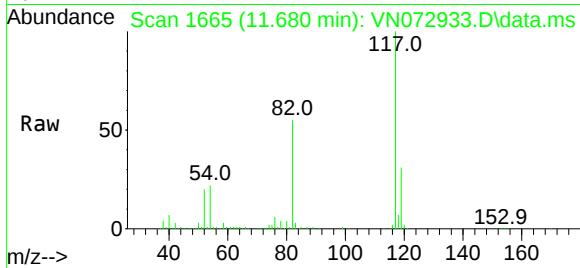




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

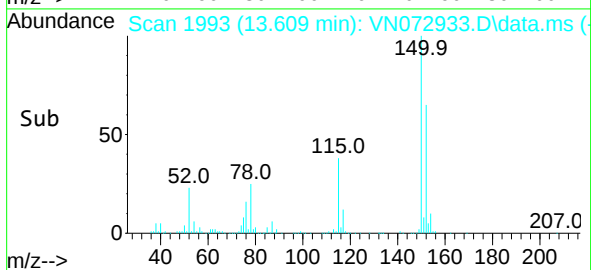
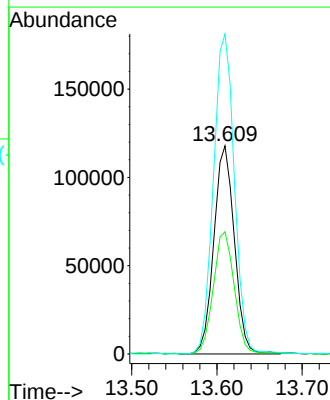
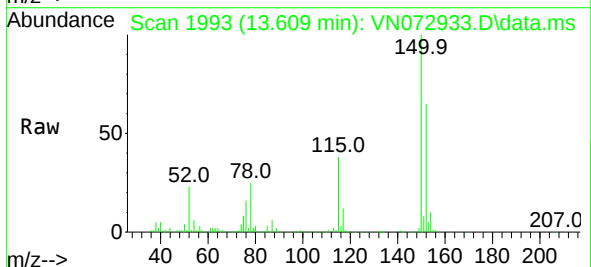
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

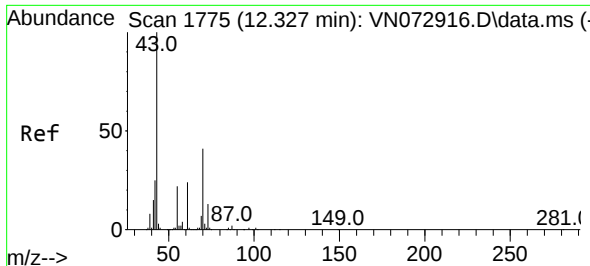
Tgt Ion:117 Resp: 461332
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.609 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

Tgt Ion:152 Resp: 197222
Ion Ratio Lower Upper
152 100
115 59.6 28.9 86.7
150 156.8 0.0 356.2

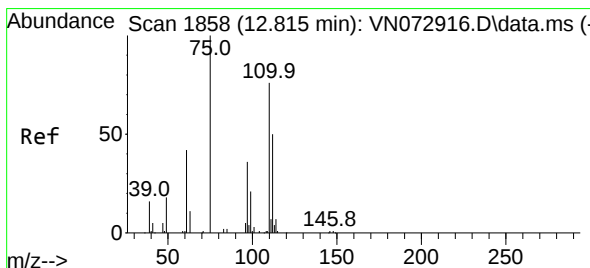
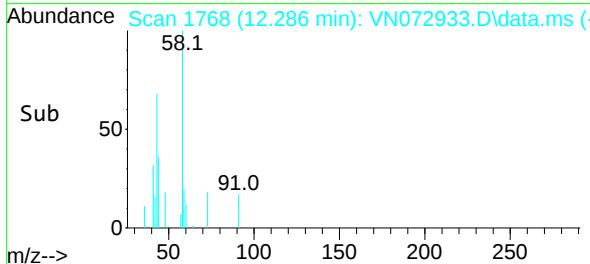
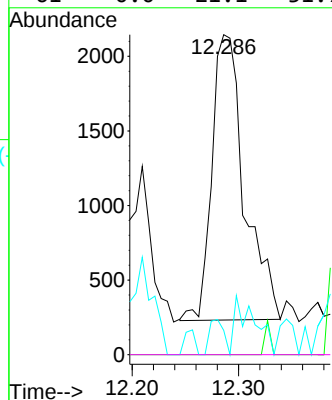
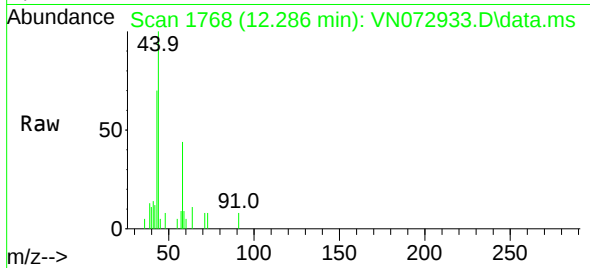




#74
N-amy1 acetate
Concen: 0.513 ug/l
RT: 12.286 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

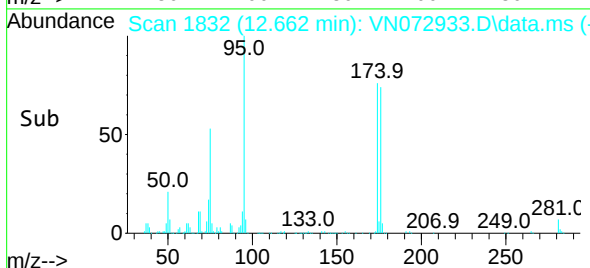
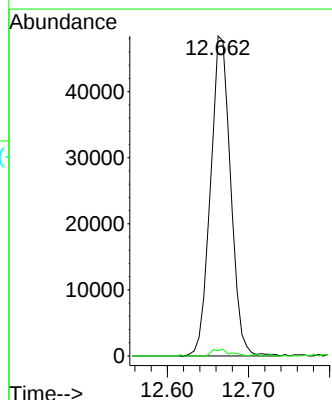
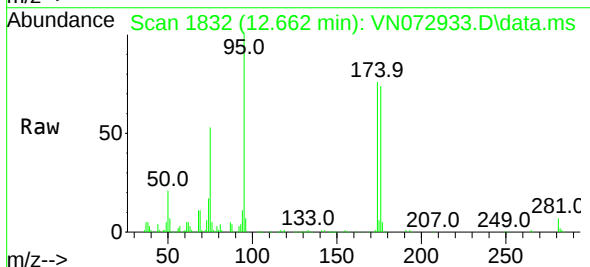
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-3

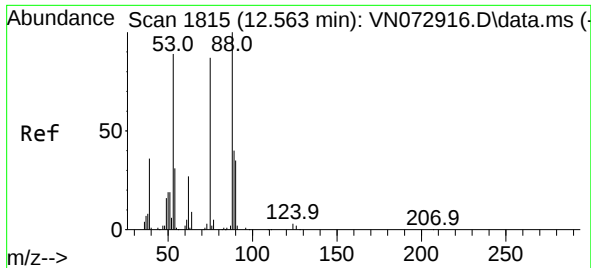
Tgt Ion: 43 Resp: 4065
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 5.4 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 17.432 ug/l
RT: 12.662 min Scan# 1832
Delta R.T. -0.153 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

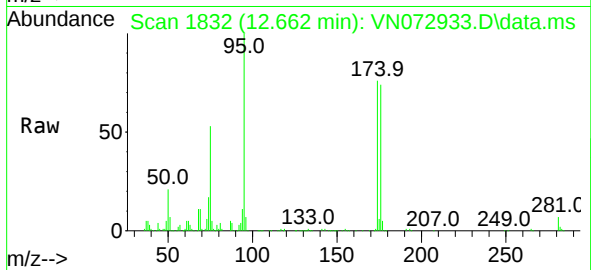
Tgt Ion: 75 Resp: 83354
Ion Ratio Lower Upper
75 100
77 1.8 98.5 295.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 47.078 ug/l
RT: 12.662 min Scan# 11
Delta R.T. 0.100 min
Lab File: VN072933.D
Acq: 18 Jun 2022 12:30

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



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	78.0	117.0#
89	0.2	37.2	55.8#

