

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070522\
 Data File : VN073327.D
 Acq On : 05 Jul 2022 20:03
 Operator : JC\MD
 Sample : N3564-22
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 06 01:17:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

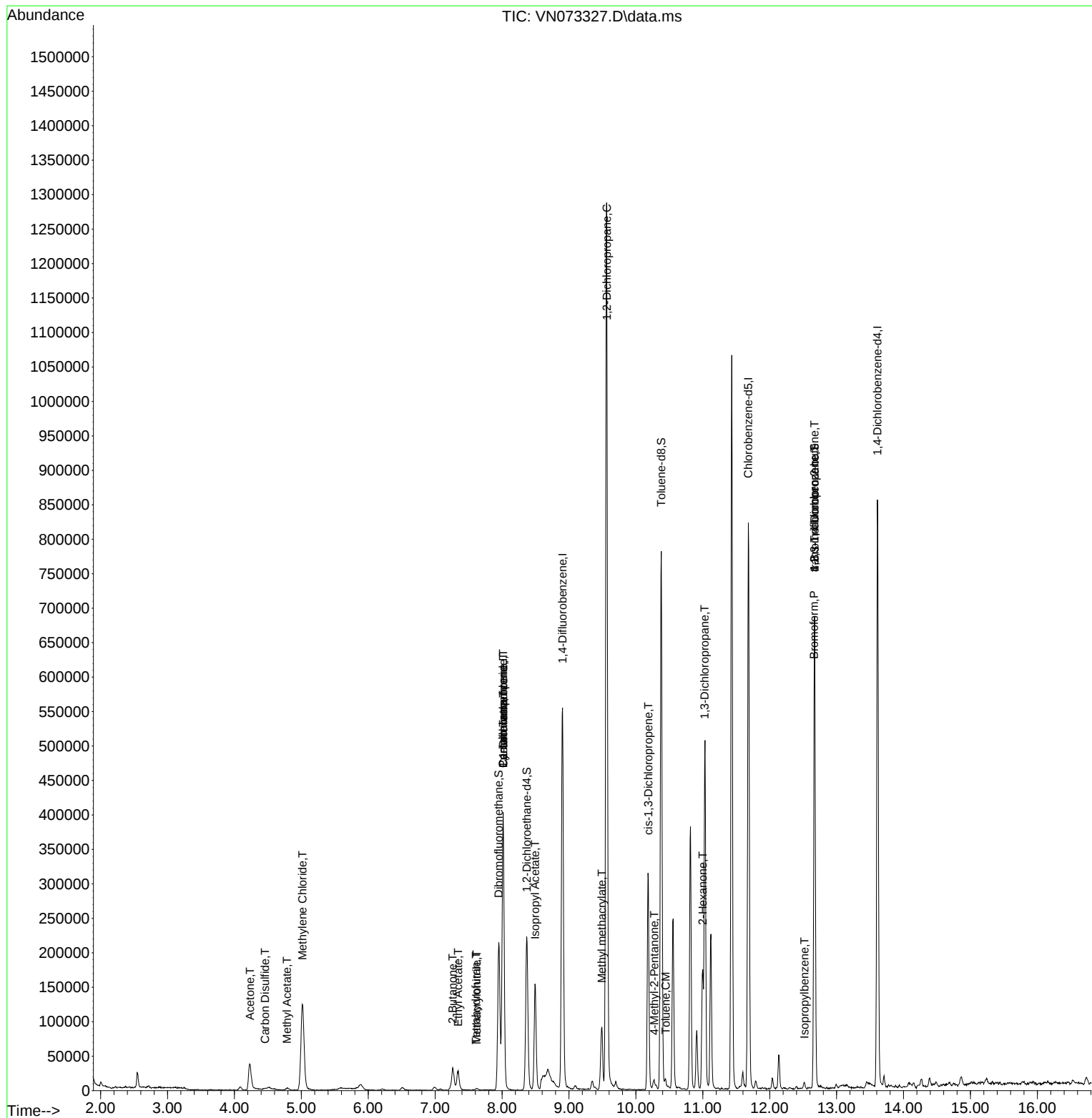
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	295223	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	495994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	462830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	229515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	186495	43.759	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.520%		
35) Dibromofluoromethane	7.951	113	159533	48.344	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.680%		
50) Toluene-d8	10.380	98	526276	44.903	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.800%		
62) 4-Bromofluorobenzene	12.669	95	237400	52.708	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.420%		
Target Compounds						
					Qvalue	
16) Acetone	4.234	43	73163	30.583	ug/l	100
17) Carbon Disulfide	4.457	76	3584	0.398	ug/l #	75
18) Methyl Acetate	4.787	43	6986	1.042	ug/l	91
20) Methylene Chloride	5.016	84	101563	24.158	ug/l	90
25) 2-Butanone	7.263	43	48594	12.759	ug/l	90
29) Tetrahydrofuran	7.610	42	747	0.286	ug/l #	32
31) Cyclohexane	8.016	56	7424	1.064	ug/l #	40
36) 1,1-Dichloropropene	8.016	75	23686	4.665	ug/l #	49
37) Ethyl Acetate	7.345	43	44932	5.857	ug/l	96
38) Carbon Tetrachloride	8.016	117	29925	5.699	ug/l #	17
41) Methacrylonitrile	7.622	41	1525	0.410	ug/l #	22
43) Isopropyl Acetate	8.492	43	178051	16.148	ug/l #	88
45) 1,2-Dichloropropane	9.569	63	1760	0.441	ug/l #	44
48) Methyl methacrylate	9.492	41	7438	1.457	ug/l #	39
51) 4-Methyl-2-Pentanone	10.275	43	15043	2.151	ug/l #	72
52) Toluene	10.445	92	5645	0.583	ug/l	90
54) cis-1,3-Dichloropropene	10.186	75	56376	9.031	ug/l #	67
57) 1,3-Dichloropropane	11.027	76	4688	0.686	ug/l #	42
59) 2-Hexanone	10.998	43	150113	28.164	ug/l #	21
71) Bromoform	12.663	173	887	0.315	ug/l #	1
73) Isopropylbenzene	12.521	105	4196	0.212	ug/l	100
76) 1,2,3-Trichloropropane	12.669	75	123632	20.601	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	123632	56.497	ug/l #	10

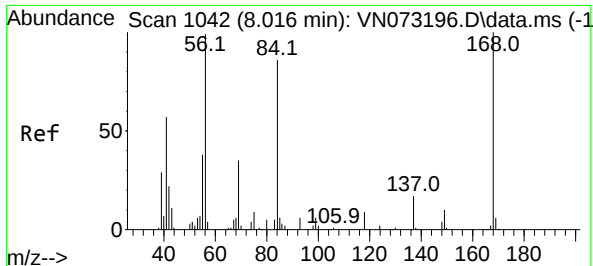
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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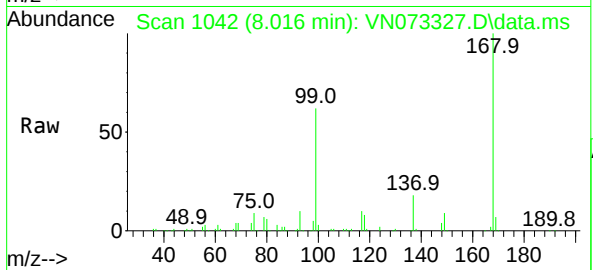
Quant Time: Jul 06 01:17:17 2022
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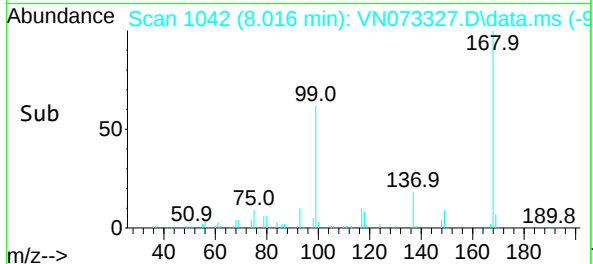
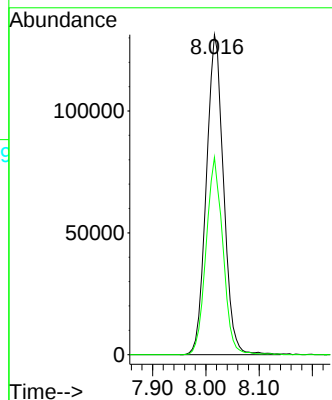


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

Instrument :
MSVOA_N
ClientSampleId :

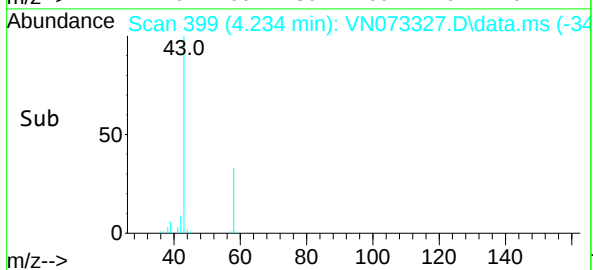
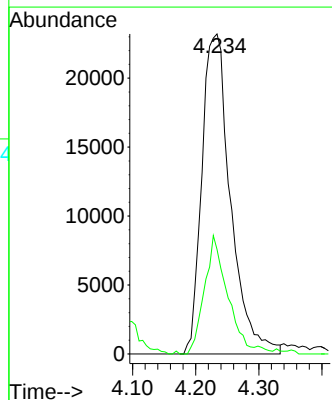
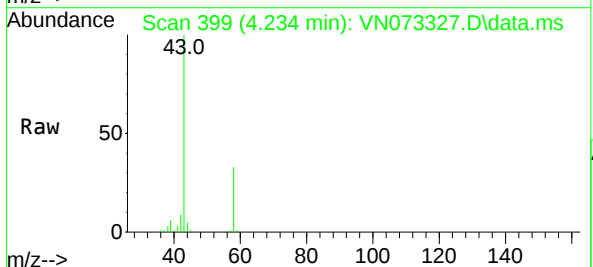


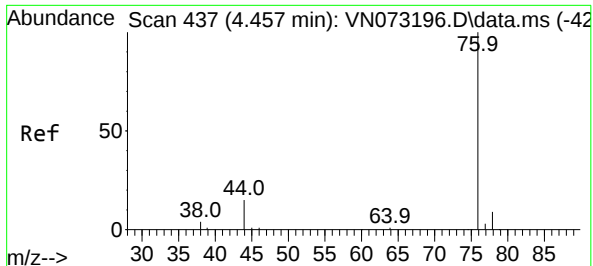
Tgt Ion:168 Resp: 295223
Ion Ratio Lower Upper
168 100
99 61.6 42.3 63.5



#16
Acetone
Concen: 30.583 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

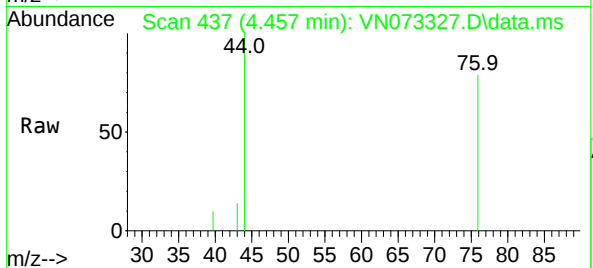
Tgt Ion: 43 Resp: 73163
Ion Ratio Lower Upper
43 100
58 32.7 26.0 39.0



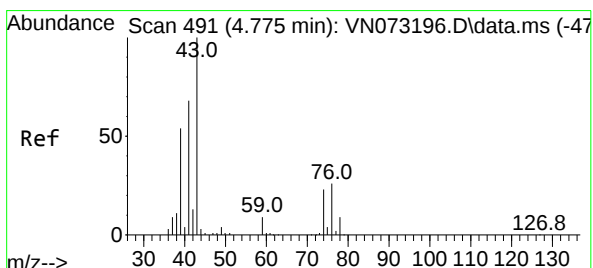
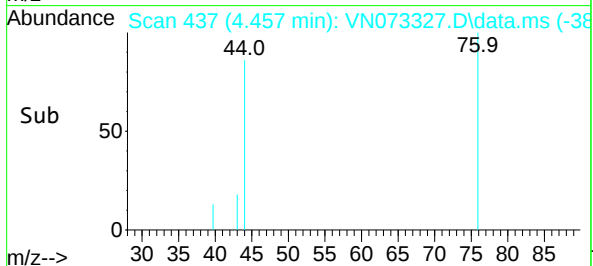
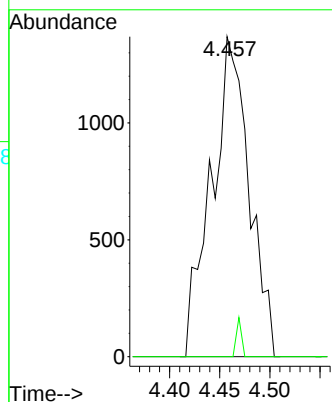


#17
Carbon Disulfide
Concen: 0.398 ug/l
RT: 4.457 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

Instrument :
MSVOA_N
ClientSampleId :

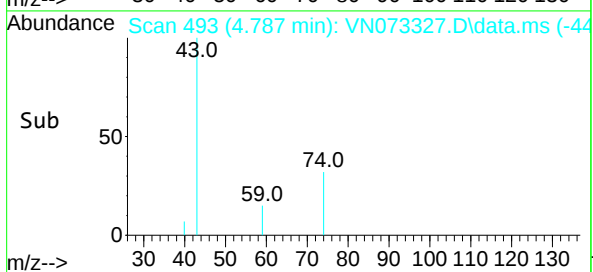
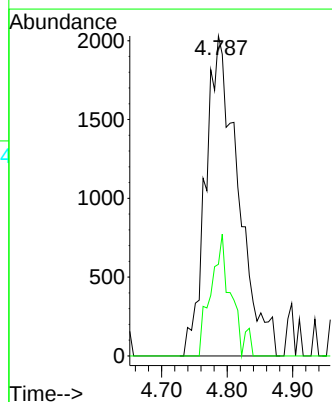
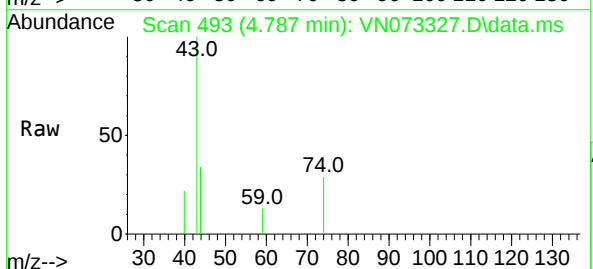


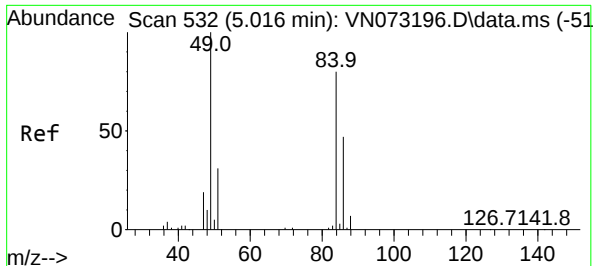
Tgt Ion: 76 Resp: 3584
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.042 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.012 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

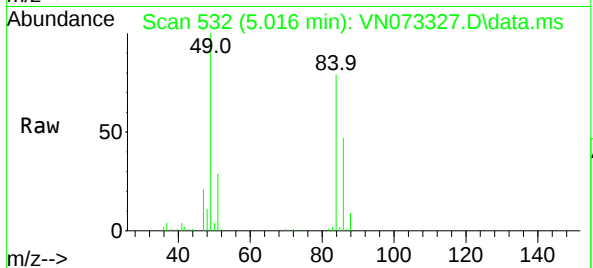
Tgt Ion: 43 Resp: 6986
Ion Ratio Lower Upper
43 100
74 22.1 21.6 32.4



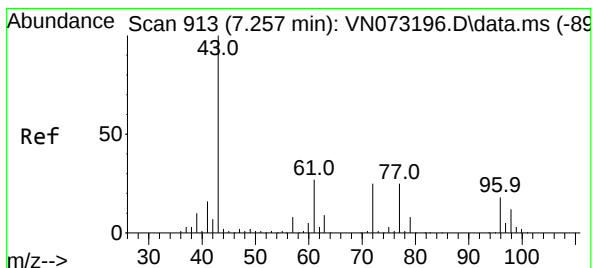
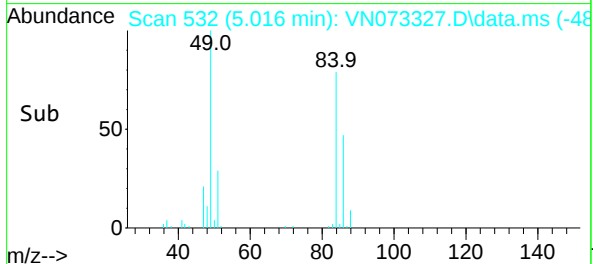
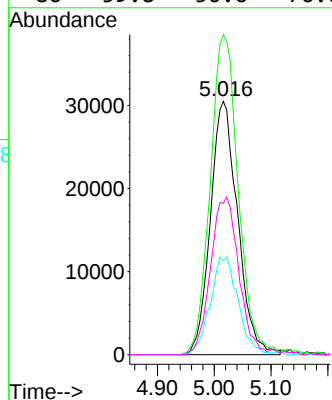


#20
Methylene Chloride
Concen: 24.158 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

Instrument :
MSVOA_N
ClientSampleId :

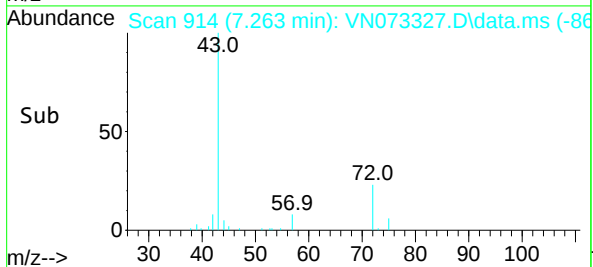
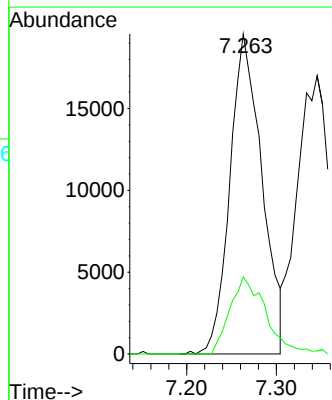
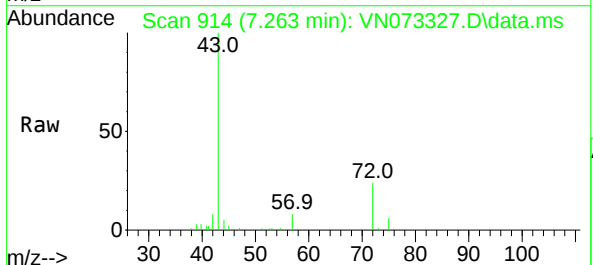


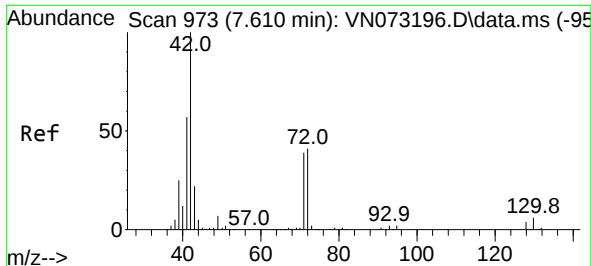
Tgt Ion: 84 Resp: 101563
Ion Ratio Lower Upper
84 100
49 126.3 88.3 132.5
51 37.0 28.2 42.2
86 59.8 50.6 76.0



#25
2-Butanone
Concen: 12.759 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

Tgt Ion: 43 Resp: 48594
Ion Ratio Lower Upper
43 100
72 24.1 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.286 ug/l

RT: 7.610 min Scan# 91

Delta R.T. 0.000 min

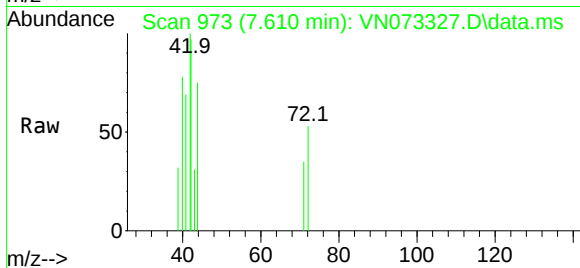
Lab File: VN073327.D

Acq: 05 Jul 2022 20:03

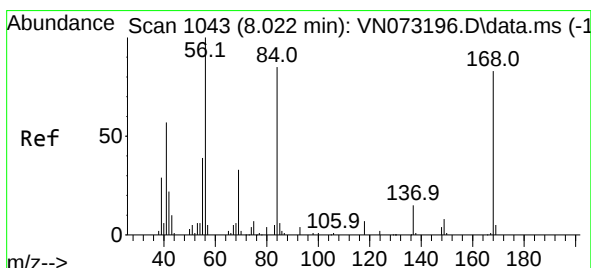
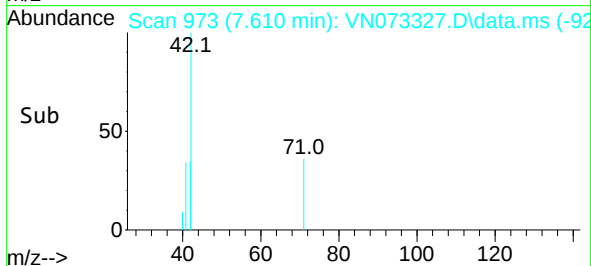
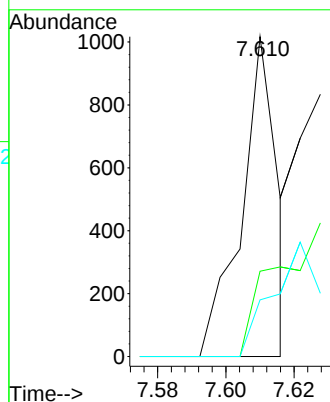
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 747
Ion Ratio	Lower Upper
42	100
72	104.3 39.7 59.5#
71	82.2 36.6 55.0#



#31

Cyclohexane

Concen: 1.064 ug/l

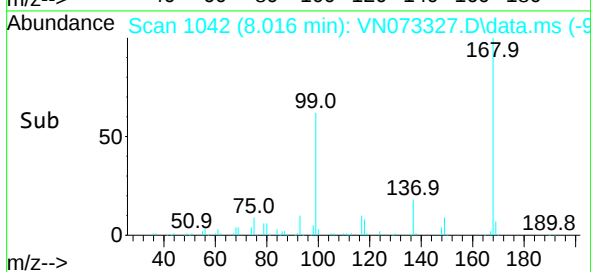
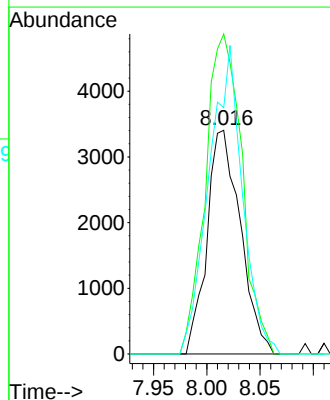
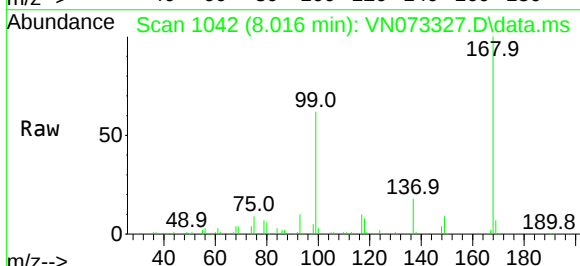
RT: 8.016 min Scan# 1042

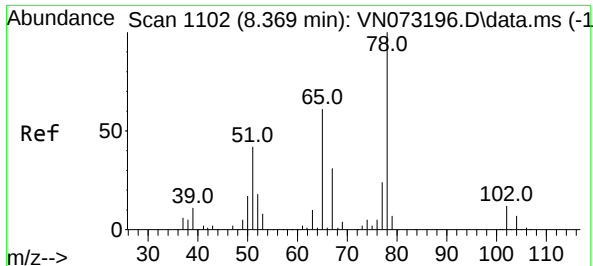
Delta R.T. -0.006 min

Lab File: VN073327.D

Acq: 05 Jul 2022 20:03

Tgt Ion: 56	Resp: 7424
Ion Ratio	Lower Upper
56	100
69	143.0 27.8 41.8#
84	110.1 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 43.759 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073327.D

Acq: 05 Jul 2022 20:03

Instrument :

MSVOA_N

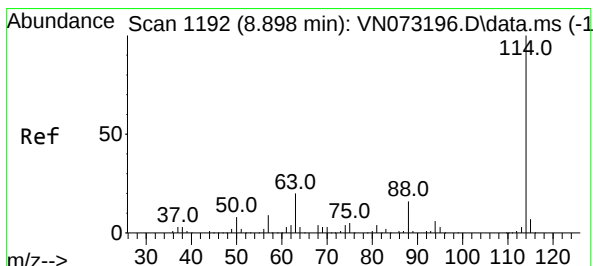
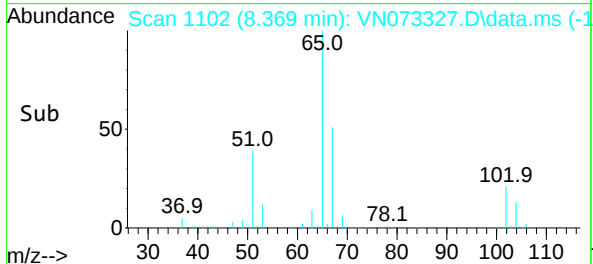
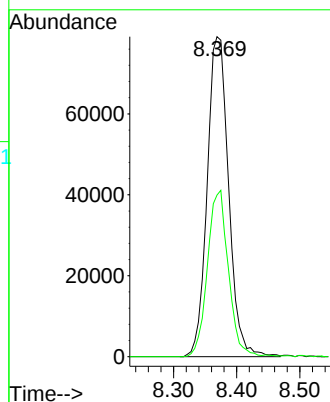
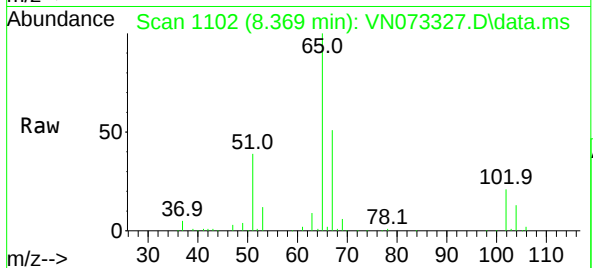
ClientSampleId :

Tgt Ion: 65 Resp: 186495

Ion Ratio Lower Upper

65 100

67 50.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073327.D

Acq: 05 Jul 2022 20:03

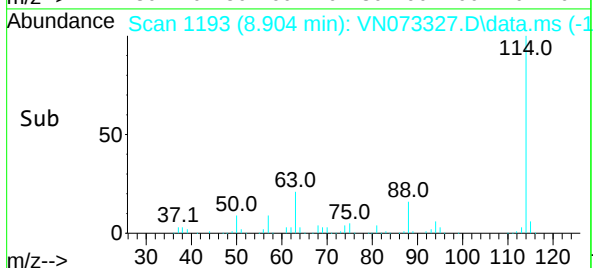
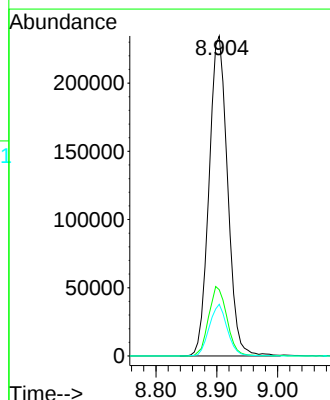
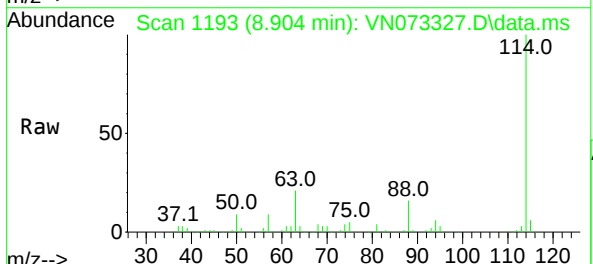
Tgt Ion: 114 Resp: 495994

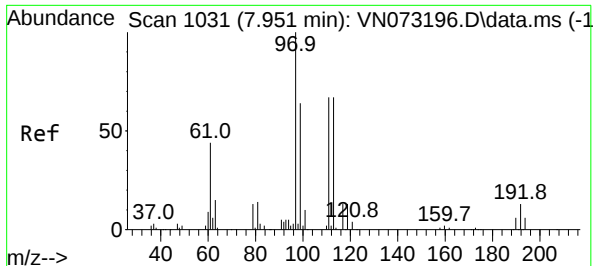
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.344 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

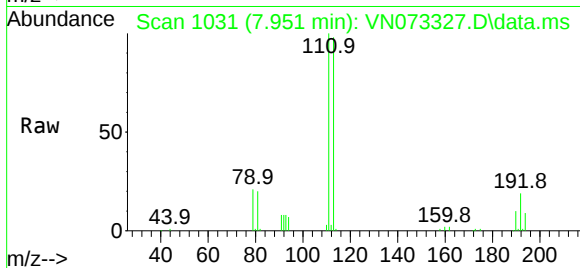
Lab File: VN073327.D

Acq: 05 Jul 2022 20:03

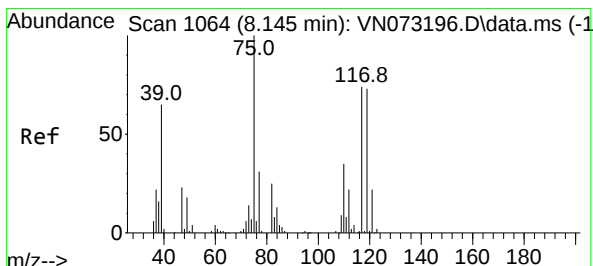
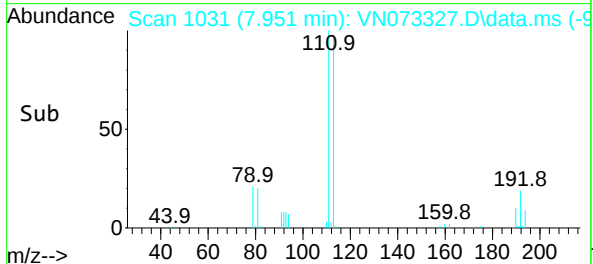
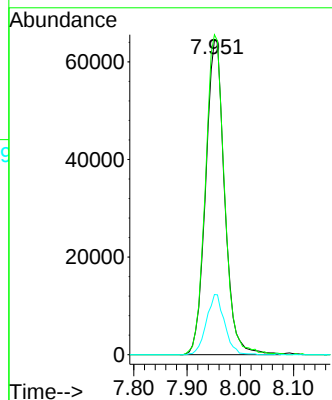
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	113	Resp:	159533
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	18.3	17.0	25.6



#36

1,1-Dichloropropene

Concen: 4.665 ug/l

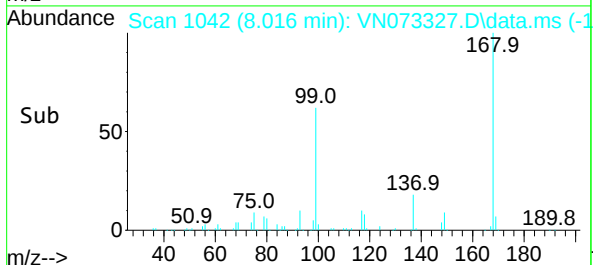
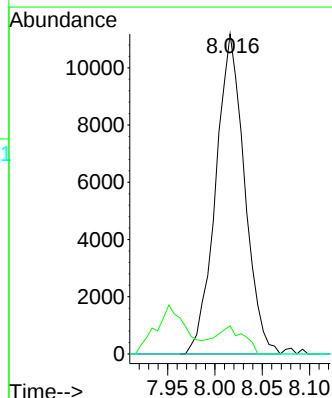
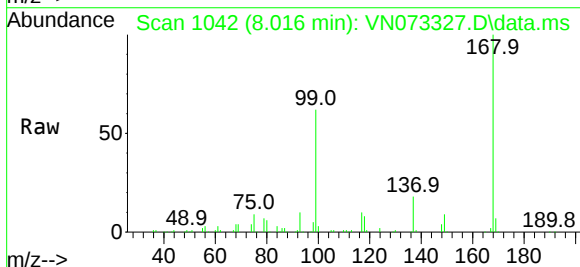
RT: 8.016 min Scan# 1042

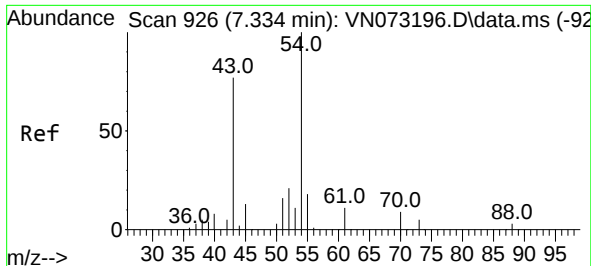
Delta R.T. -0.129 min

Lab File: VN073327.D

Acq: 05 Jul 2022 20:03

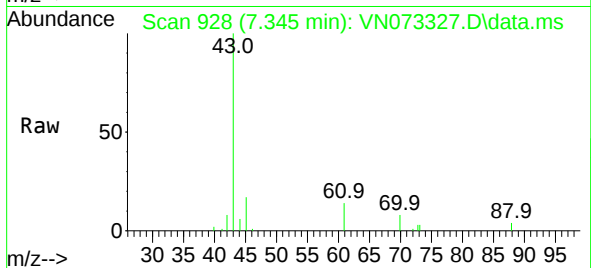
Tgt Ion:	75	Resp:	23686
Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.3	54.8#
77	0.0	25.1	37.7#



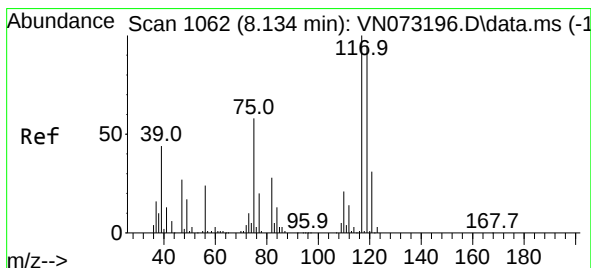
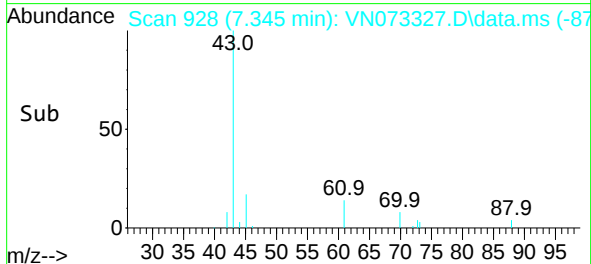
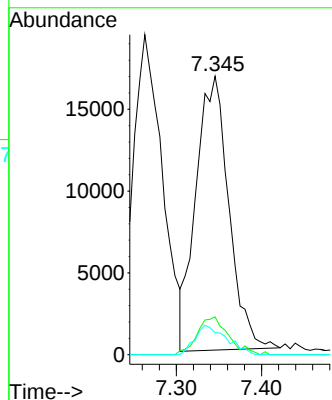


#37
Ethyl Acetate
Concen: 5.857 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

Instrument :
MSVOA_N
ClientSampleId :

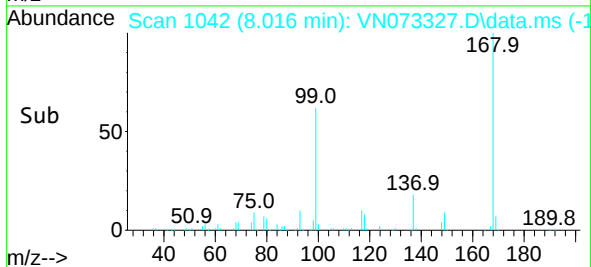
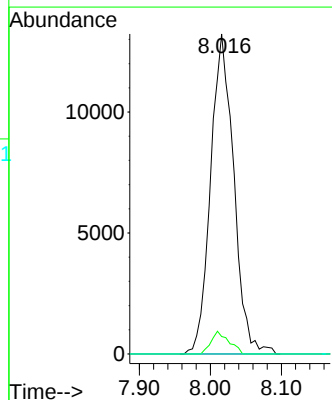
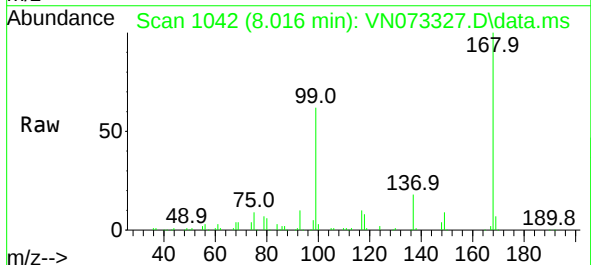


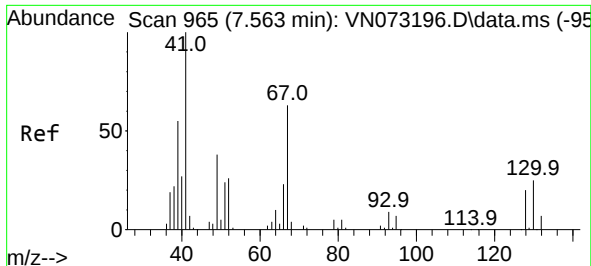
Tgt Ion: 43 Resp: 44932
Ion Ratio Lower Upper
43 100
61 12.9 11.8 17.6
70 10.2 9.3 13.9



#38
Carbon Tetrachloride
Concen: 5.699 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

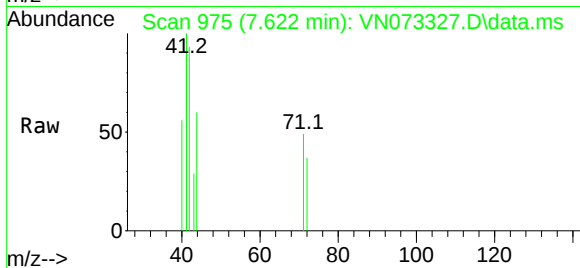
Tgt Ion: 117 Resp: 29925
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 24.6 37.0#





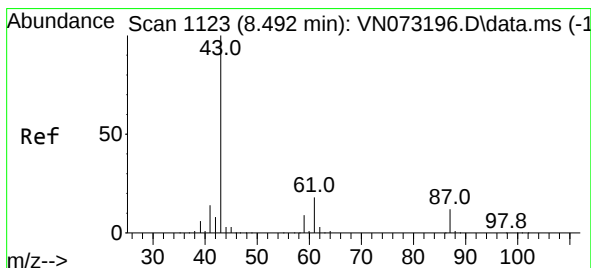
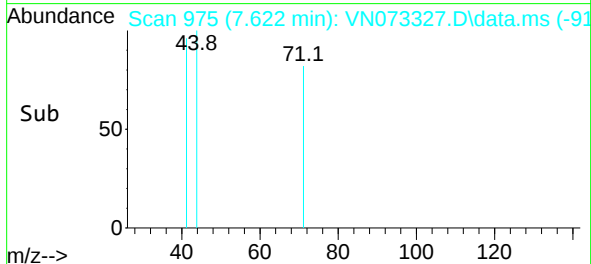
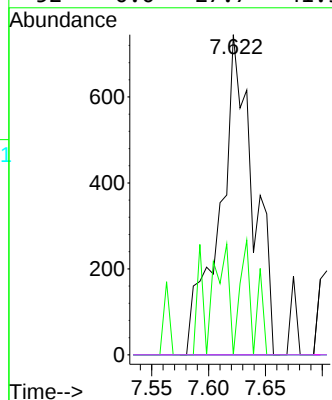
#41
Methacrylonitrile
Concen: 0.410 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 41 Resp: 1525

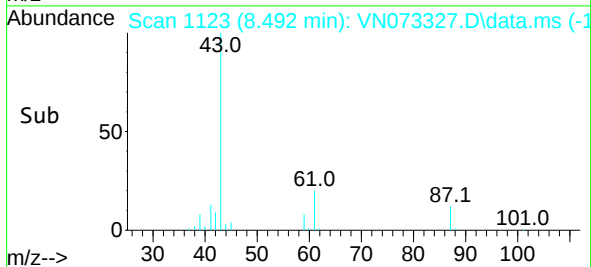
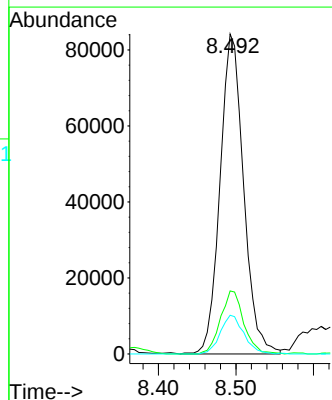
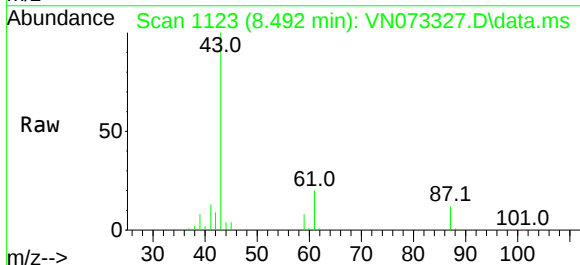
Ion	Ratio	Lower	Upper
41	100		
39	14.8	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#

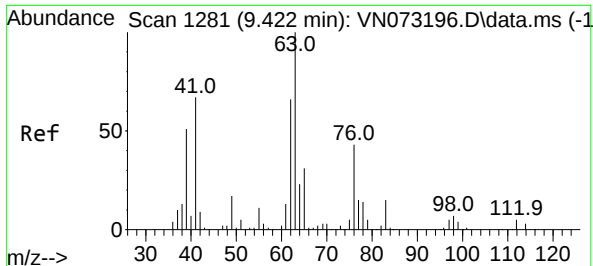


#43
Isopropyl Acetate
Concen: 16.148 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

Tgt Ion: 43 Resp: 178051

Ion	Ratio	Lower	Upper
43	100		
61	19.5	21.9	32.9#
87	12.0	12.0	18.0





#45

1,2-Dichloropropane

Concen: 0.441 ug/l

RT: 9.569 min Scan# 11

Delta R.T. 0.147 min

Lab File: VN073327.D

Acq: 05 Jul 2022 20:03

Instrument :

MSVOA_N

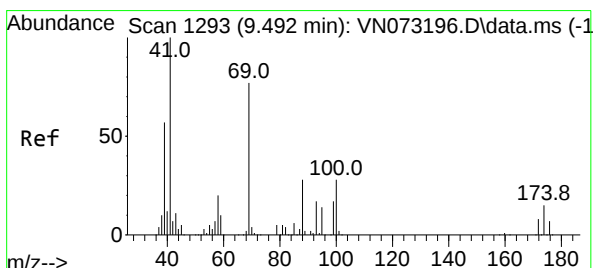
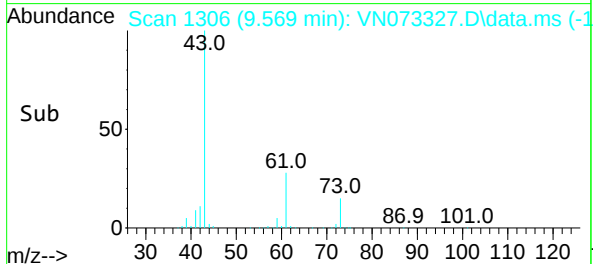
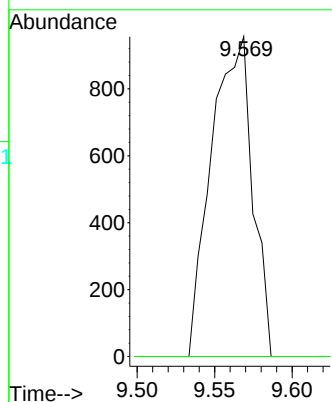
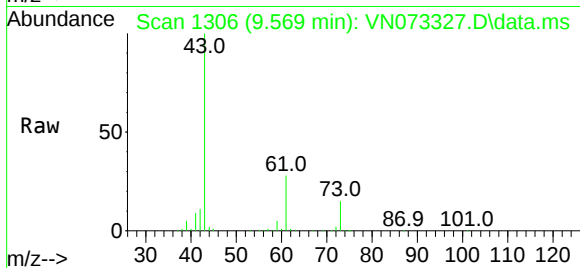
ClientSampleId :

Tgt Ion: 63 Resp: 1760

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.457 ug/l

RT: 9.492 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VN073327.D

Acq: 05 Jul 2022 20:03

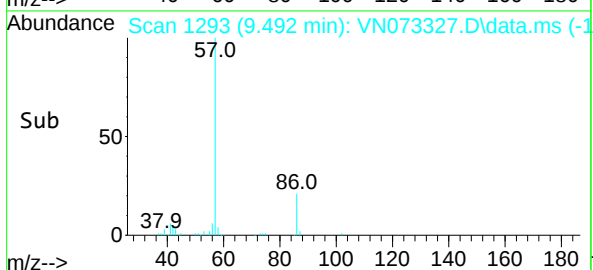
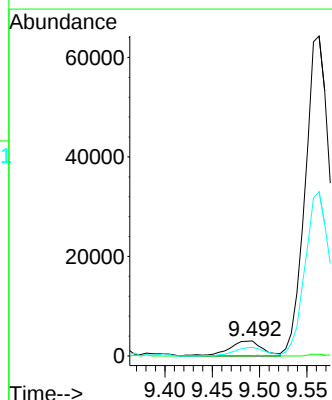
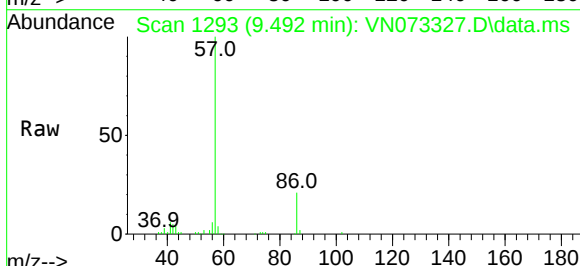
Tgt Ion: 41 Resp: 7438

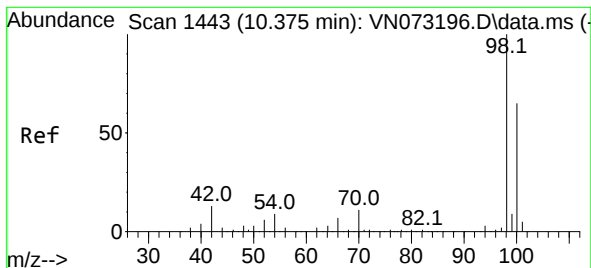
Ion Ratio Lower Upper

41 100

69 0.8 74.7 112.1#

39 53.7 45.6 68.4

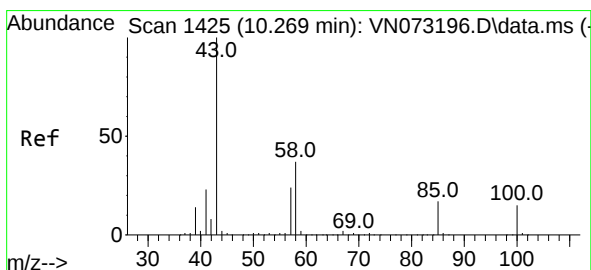
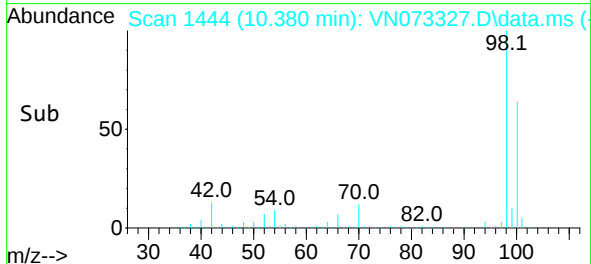
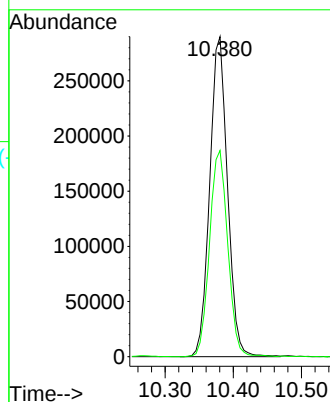
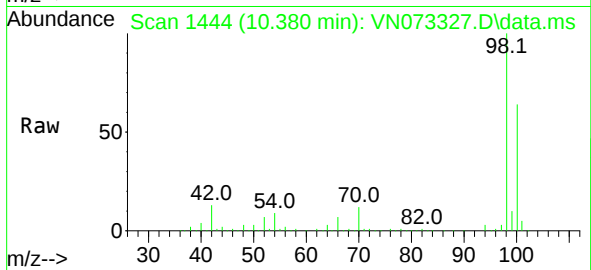




#50
Toluene-d8
Concen: 44.903 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

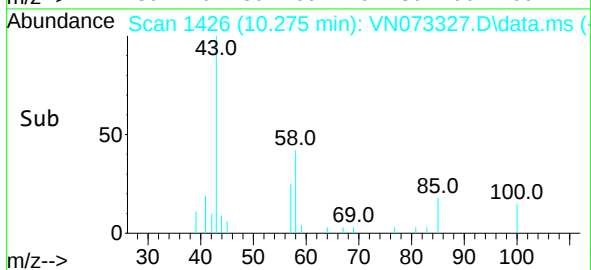
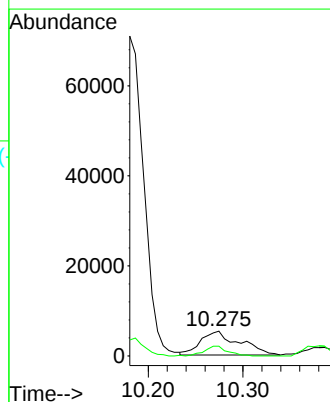
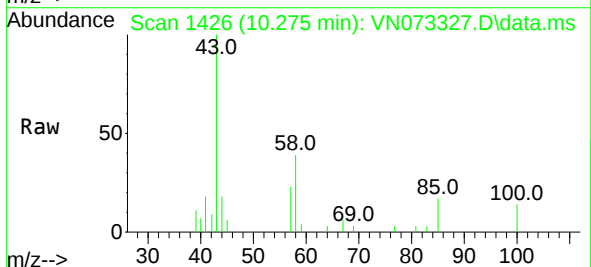
Instrument :
MSVOA_N
ClientSampleId :

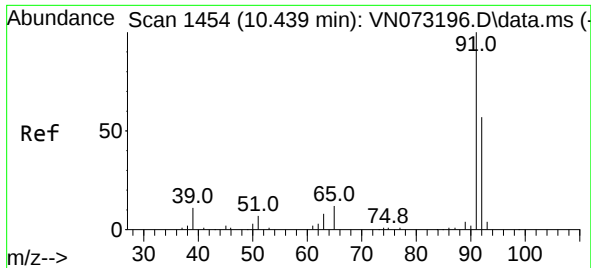
Tgt Ion: 98 Resp: 526276
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.151 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

Tgt Ion: 43 Resp: 15043
Ion Ratio Lower Upper
43 100
58 24.8 34.1 51.1#

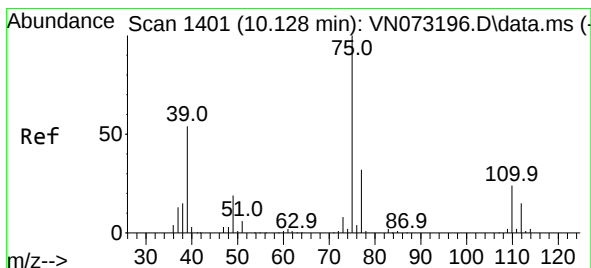
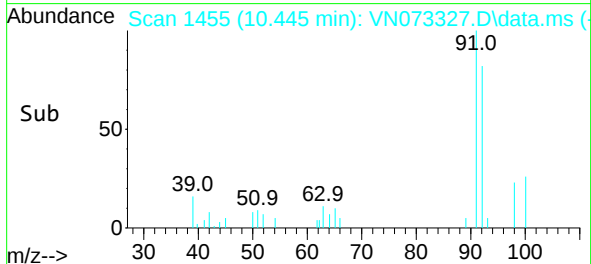
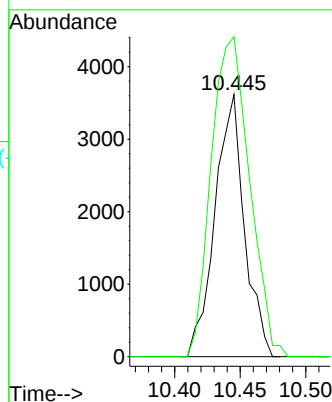
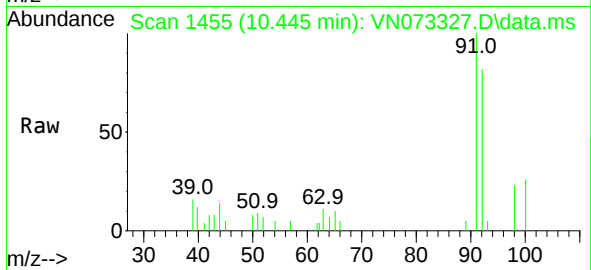




#52
Toluene
Concen: 0.583 ug/l
RT: 10.445 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

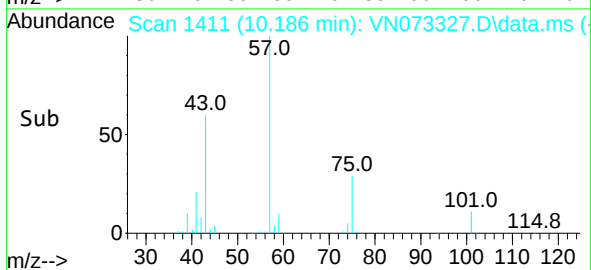
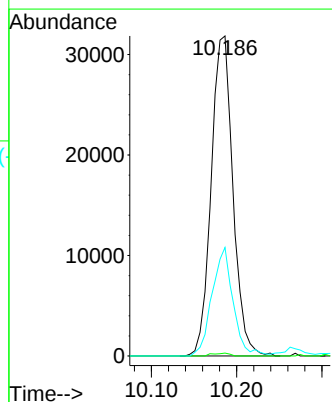
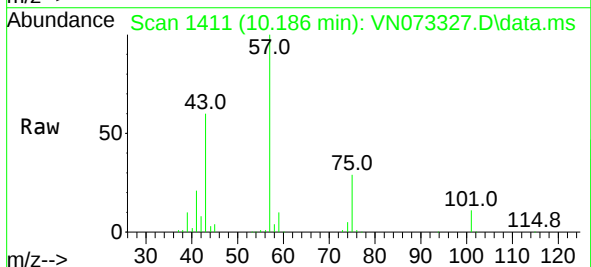
Instrument :
MSVOA_N
ClientSampleId :

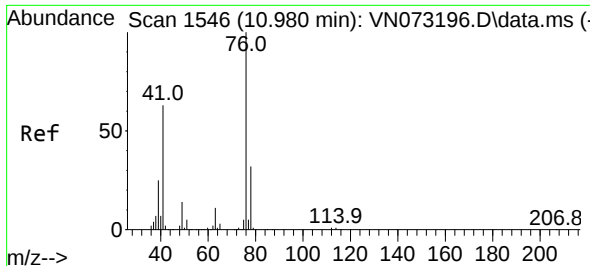
Tgt Ion: 92 Resp: 5645
Ion Ratio Lower Upper
92 100
91 159.5 138.6 207.8



#54
cis-1,3-Dichloropropene
Concen: 9.031 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.058 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

Tgt Ion: 75 Resp: 56376
Ion Ratio Lower Upper
75 100
77 0.9 25.2 37.8#
39 33.9 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 0.686 ug/l

RT: 11.027 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN073327.D

Acq: 05 Jul 2022 20:03

Instrument :

MSVOA_N

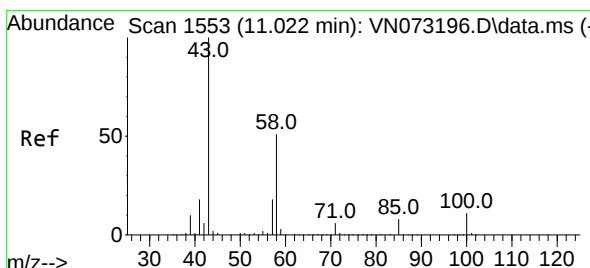
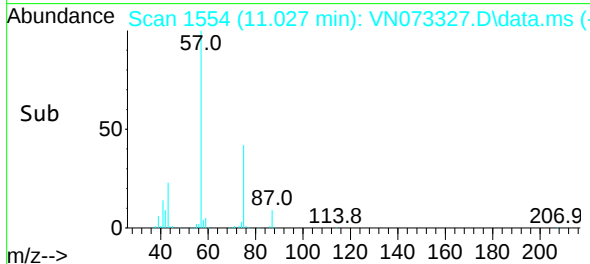
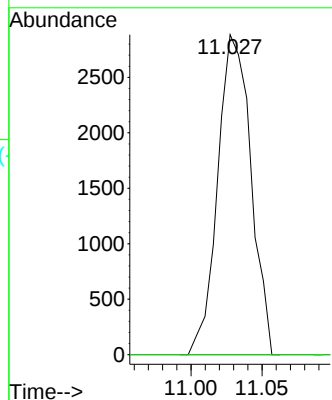
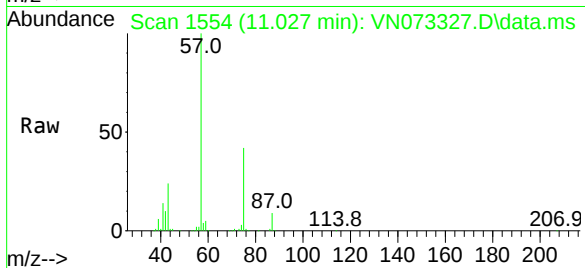
ClientSampleId :

Tgt Ion: 76 Resp: 4688

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 28.164 ug/l

RT: 10.998 min Scan# 1549

Delta R.T. -0.024 min

Lab File: VN073327.D

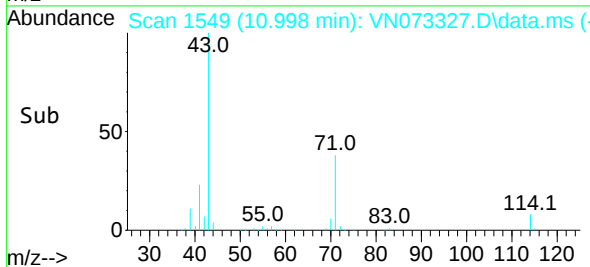
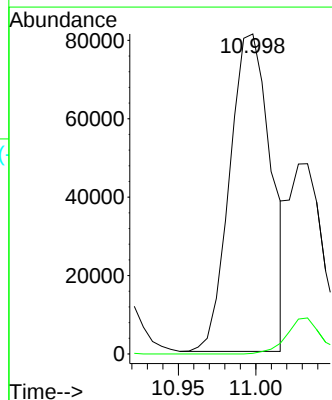
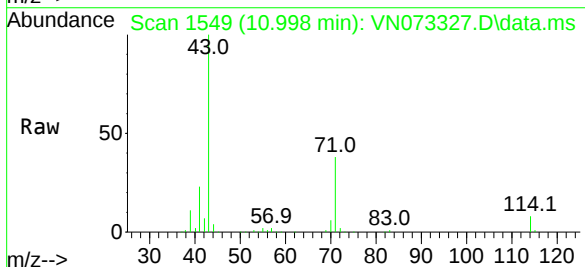
Acq: 05 Jul 2022 20:03

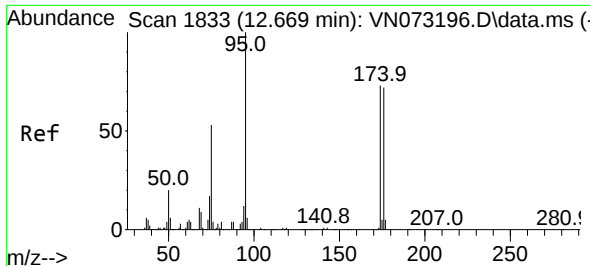
Tgt Ion: 43 Resp: 150113

Ion Ratio Lower Upper

43 100

58 0.0 29.7 89.1#

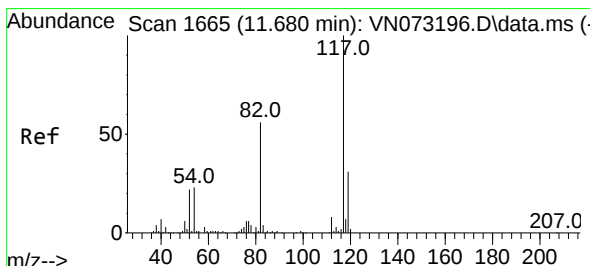
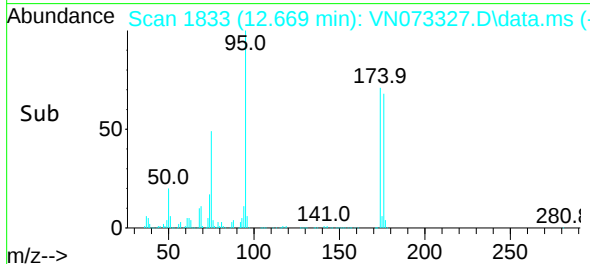
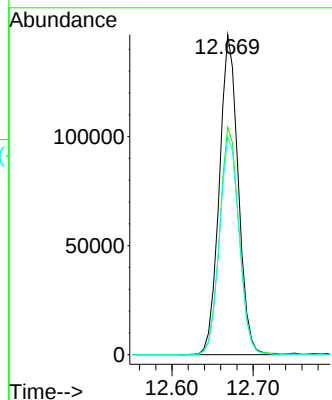
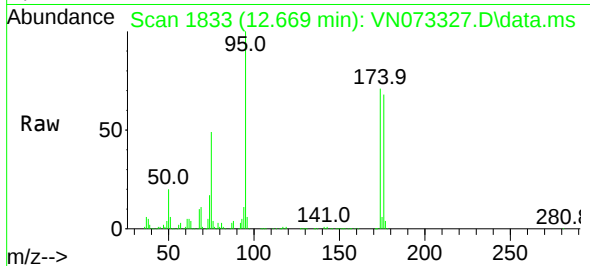




#62
4-Bromofluorobenzene
Concen: 52.708 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

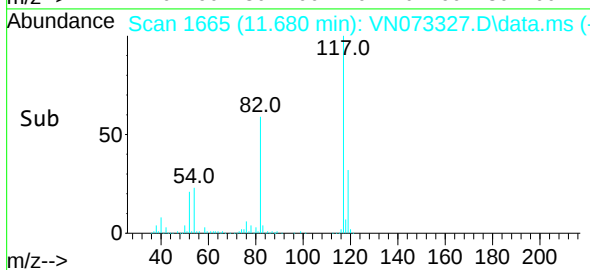
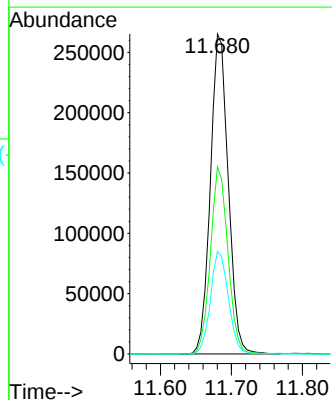
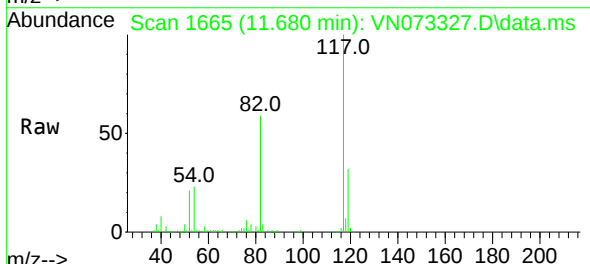
Instrument :
MSVOA_N
ClientSampleId :

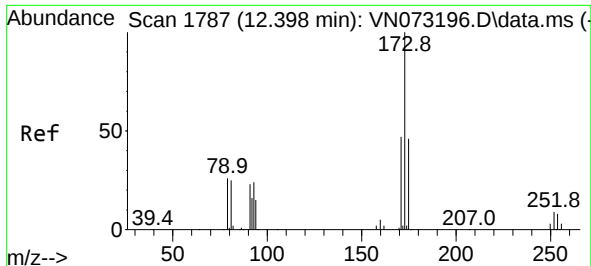
Tgt Ion: 95 Resp: 237400
Ion Ratio Lower Upper
95 100
174 73.1 0.0 167.6
176 70.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

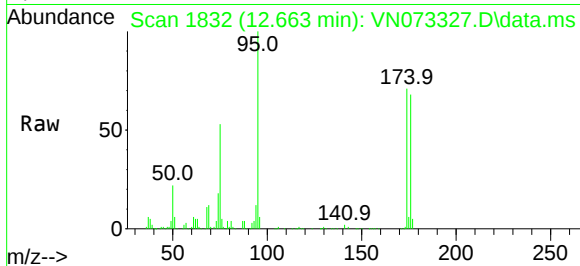
Tgt Ion: 117 Resp: 462830
Ion Ratio Lower Upper
117 100
82 58.5 44.2 66.2
119 32.0 25.4 38.0



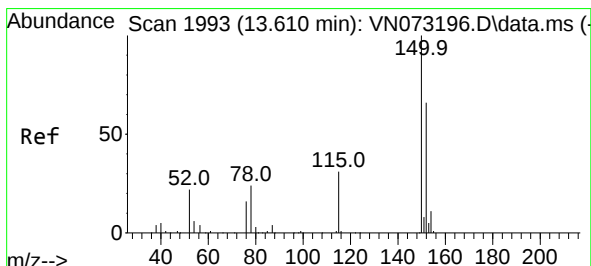
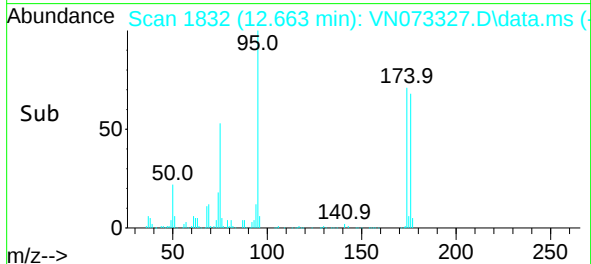
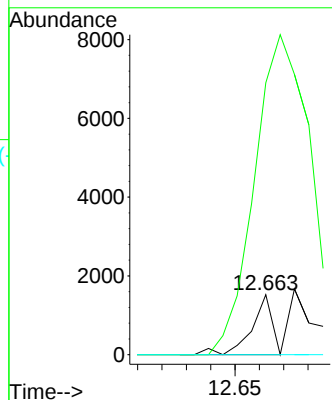


#71
Bromoform
Concen: 0.315 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.265 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

Instrument :
MSVOA_N
ClientSampleId :

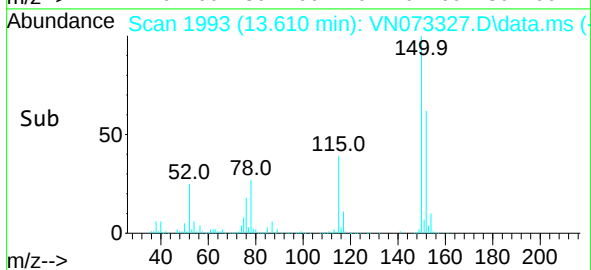
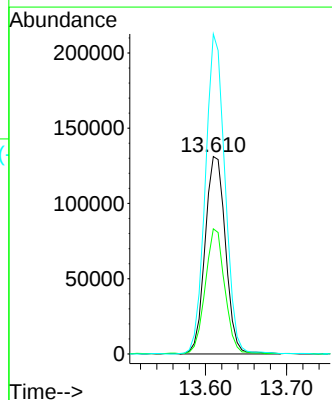
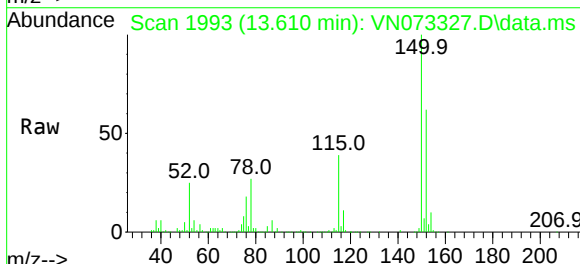


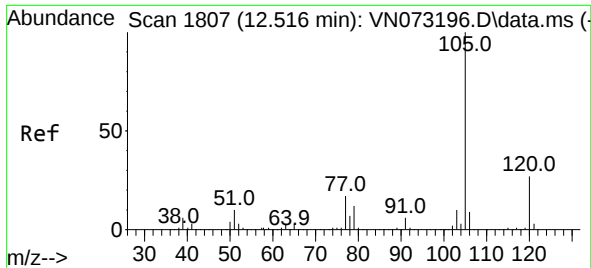
Tgt Ion:173 Resp: 887
Ion Ratio Lower Upper
173 100
175 1112.4 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

Tgt Ion:152 Resp: 229515
Ion Ratio Lower Upper
152 100
115 59.8 28.9 86.7
150 155.6 0.0 356.2

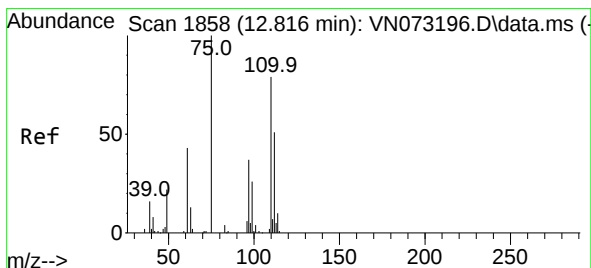
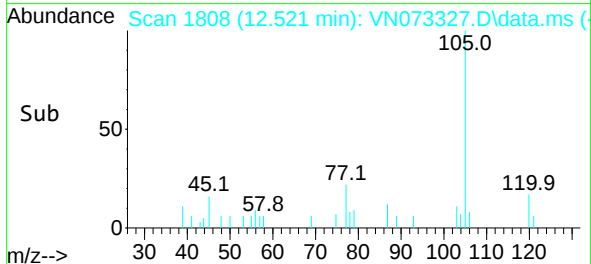
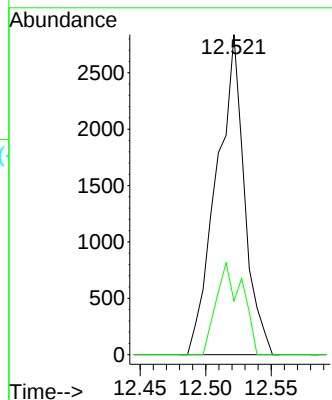
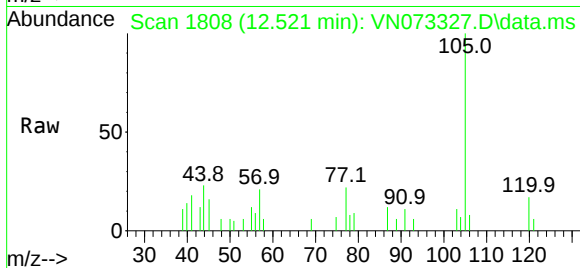




#73
Isopropylbenzene
Concen: 0.212 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. 0.005 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

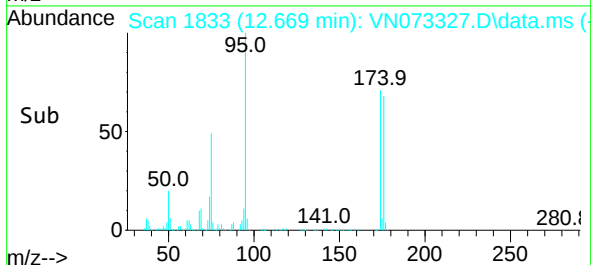
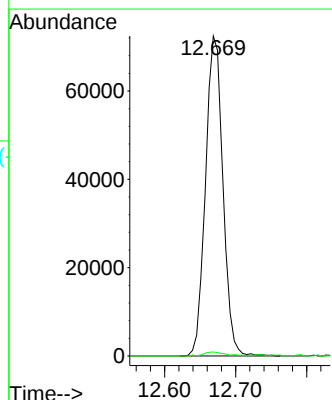
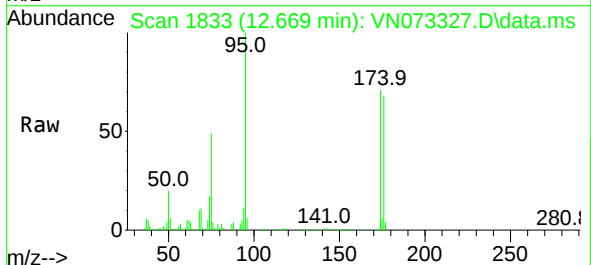
Instrument :
MSVOA_N
ClientSampleId :

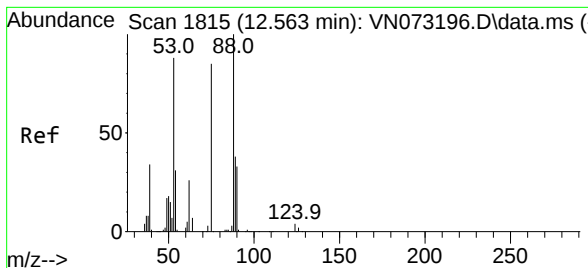
Tgt Ion:105 Resp: 4196
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4



#76
1,2,3-Trichloropropane
Concen: 20.601 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073327.D
Acq: 05 Jul 2022 20:03

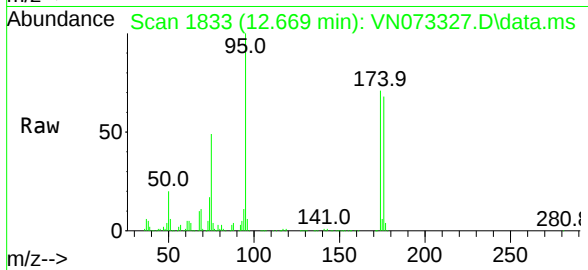
Tgt Ion: 75 Resp: 123632
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.497 ug/l
 RT: 12.669 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073327.D
 Acq: 05 Jul 2022 20:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 123632
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.1 37.2 55.8#

