

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062722\
 Data File : VN073184.D
 Acq On : 28 Jun 2022 01:23
 Operator : JC\MD
 Sample : N3499-02
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31547

Quant Time: Jun 28 06:43:59 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)

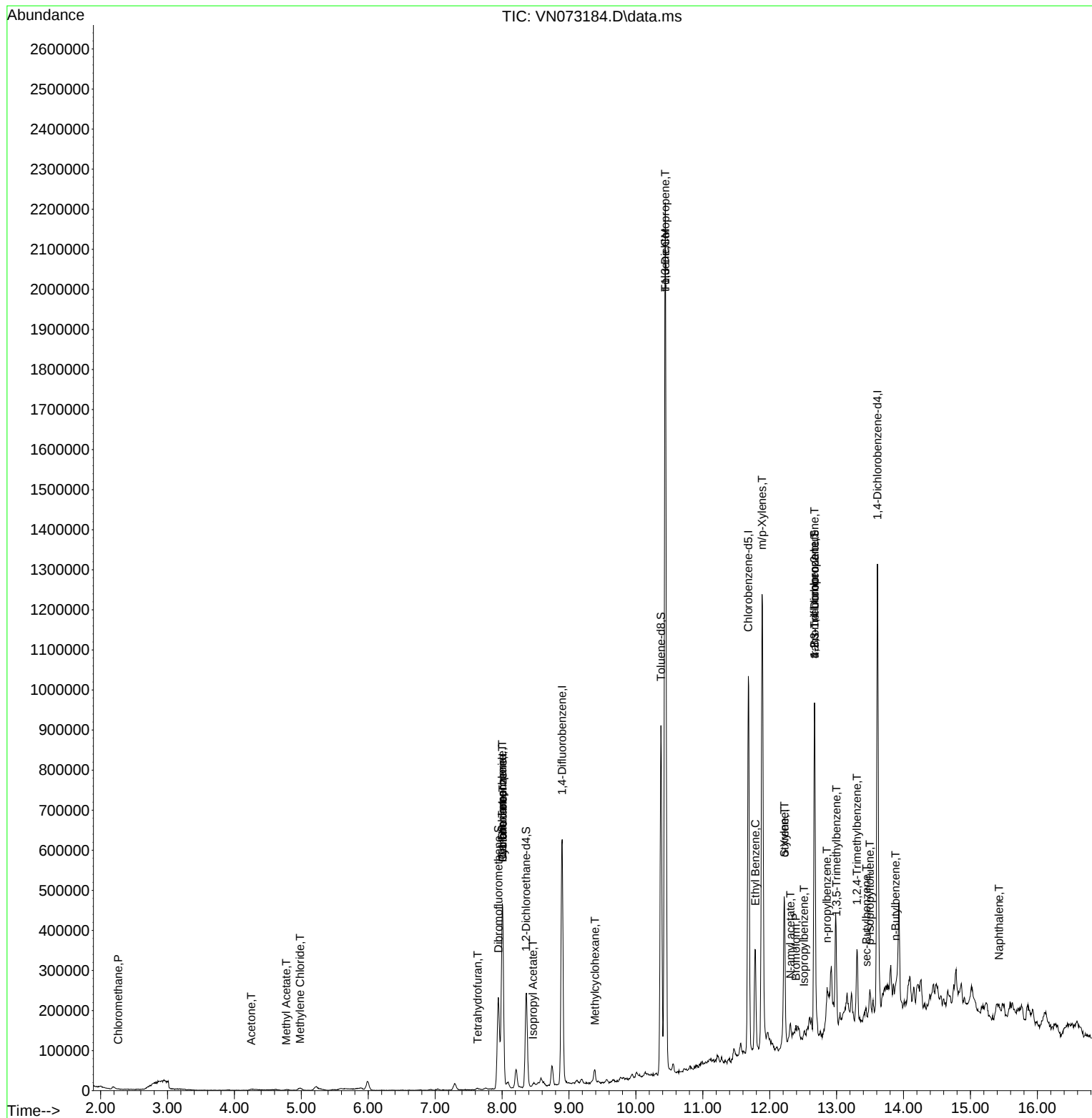
Internal Standards						
1) Pentafluorobenzene	8.010	168	345507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	561588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	551086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	296704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.357	65	199862	42.786	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.580%
35) Dibromofluoromethane	7.945	113	167444	48.239	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.480%
50) Toluene-d8	10.375	98	599748	46.434	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.860%
62) 4-Bromofluorobenzene	12.669	95	294883	63.491	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	126.980%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	578	0.731	ug/l #	43
16) Acetone	4.251	43	3050	1.188	ug/l	93
18) Methyl Acetate	4.775	43	2738	0.400	ug/l #	74
20) Methylene Chloride	4.981	84	4080	0.787	ug/l #	74
26) 2,2-Dichloropropane	7.275	77	681	Below Cal	#	75
29) Tetrahydrofuran	7.634	42	3167	1.177	ug/l #	83
31) Cyclohexane	8.010	56	20031	3.170	ug/l #	66
36) 1,1-Dichloropropene	8.004	75	26903	5.728	ug/l #	50
38) Carbon Tetrachloride	8.004	117	34763	7.037	ug/l #	17
39) Methylcyclohexane	9.386	83	13564	2.396	ug/l	95
43) Isopropyl Acetate	8.463	43	4725	0.440	ug/l #	53
52) Toluene	10.439	92	956280	105.521	ug/l	99
53) t-1,3-Dichloropropene	10.439	75	11371	2.085	ug/l #	1
67) Ethyl Benzene	11.786	91	200316	10.573	ug/l	95
68) m/p-Xylenes	11.886	106	339478	45.685	ug/l	97
69) o-Xylene	12.222	106	107000	14.410	ug/l	99
70) Styrene	12.222	104	5216	0.437	ug/l #	1
71) Bromoform	12.392	173	737	0.239	ug/l #	98
73) Isopropylbenzene	12.516	105	8872	0.387	ug/l	90
74) N-amyl acetate	12.310	43	7952	0.668	ug/l #	40
76) 1,2,3-Trichloropropane	12.669	75	149135	20.732	ug/l #	1
78) n-propylbenzene	12.857	91	32207	1.276	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	26184	1.389	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.669	75	149135	55.989	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.304	105	101595	5.410	ug/l	97
85) sec-Butylbenzene	13.445	105	9860	0.428	ug/l	80
86) p-Isopropyltoluene	13.498	119	13140	0.705	ug/l	88
89) n-Butylbenzene	13.880	91	17910	1.176	ug/l #	74
95) Naphthalene	15.427	128	15755	0.687	ug/l #	90

(#) = 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

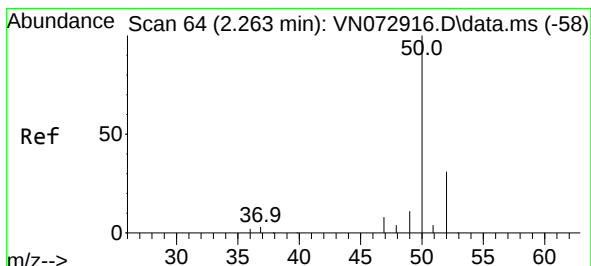
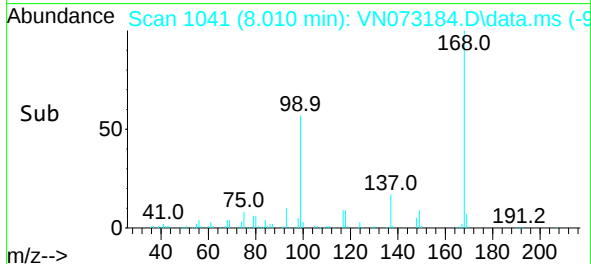
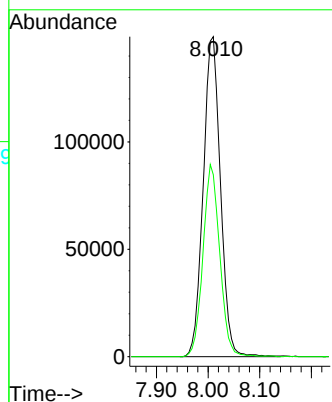
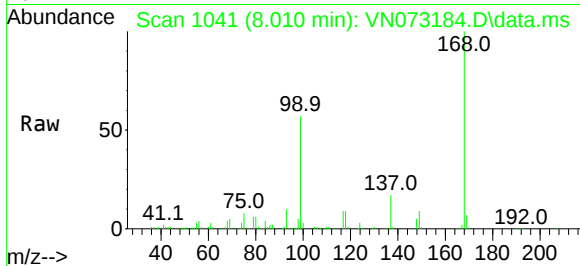




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

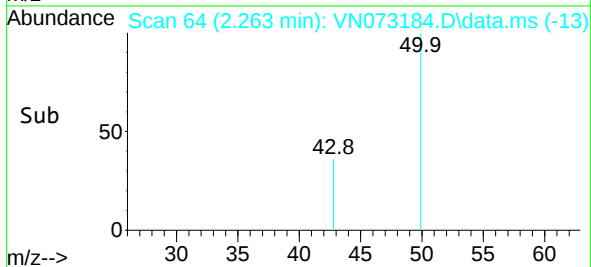
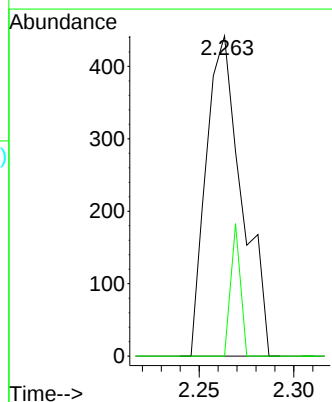
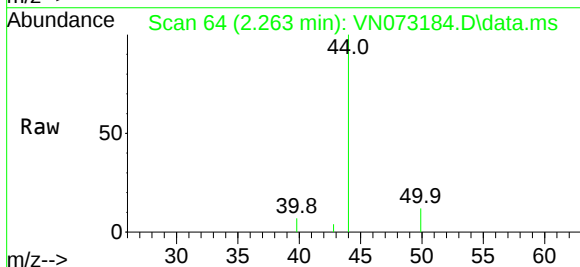
Instrument :
MSVOA_N
ClientSampleId :
31547

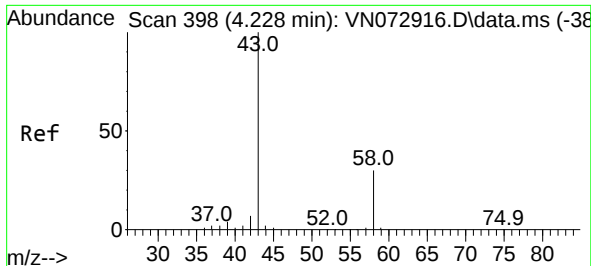
Tgt Ion:168 Resp: 345507
Ion Ratio Lower Upper
168 100
99 56.8 42.3 63.5



#3
Chloromethane
Concen: 0.731 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

Tgt Ion: 50 Resp: 578
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#16

Acetone

Concen: 1.188 ug/l

RT: 4.251 min Scan# 402

Delta R.T. 0.024 min

Lab File: VN073184.D

Acq: 28 Jun 2022 01:23

Instrument :

MSVOA_N

ClientSampleId :

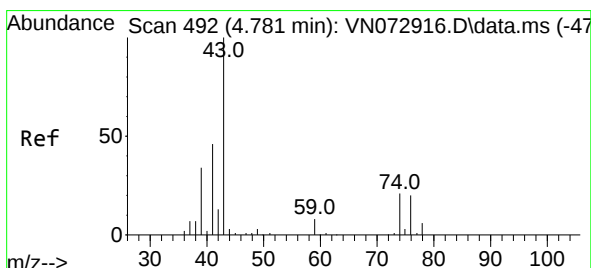
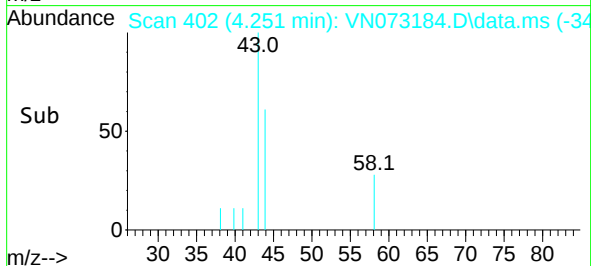
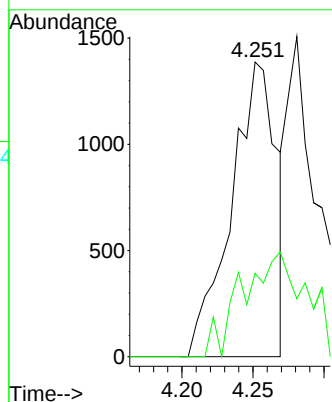
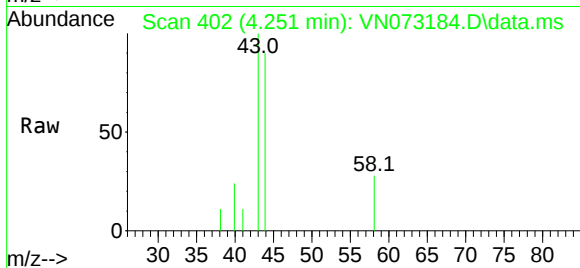
31547

Tgt Ion: 43 Resp: 3050

Ion Ratio Lower Upper

43 100

58 28.3 26.0 39.0



#18

Methyl Acetate

Concen: 0.400 ug/l

RT: 4.775 min Scan# 491

Delta R.T. -0.006 min

Lab File: VN073184.D

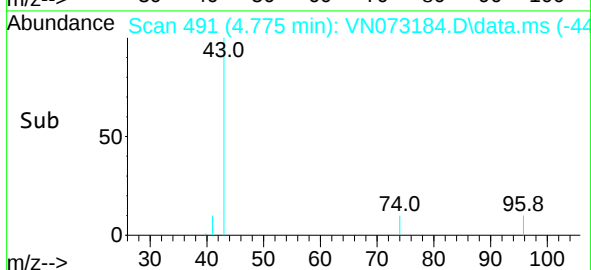
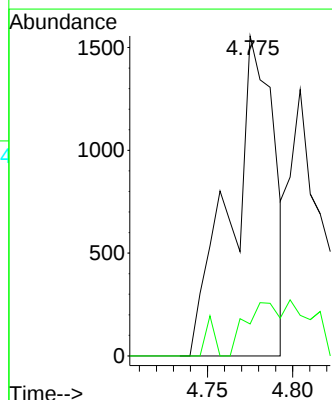
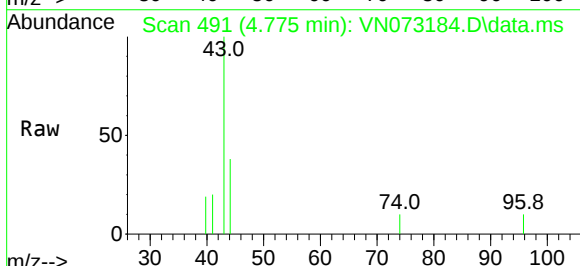
Acq: 28 Jun 2022 01:23

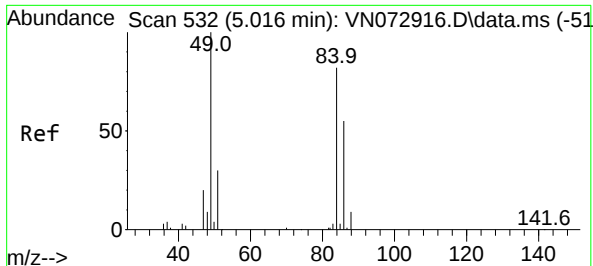
Tgt Ion: 43 Resp: 2738

Ion Ratio Lower Upper

43 100

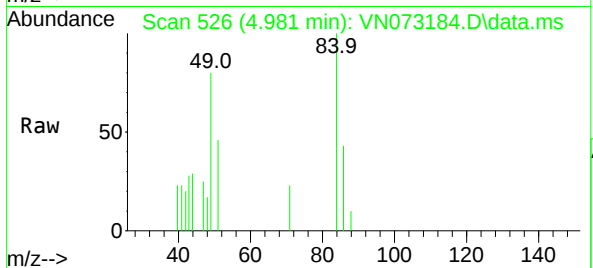
74 13.3 21.6 32.4#



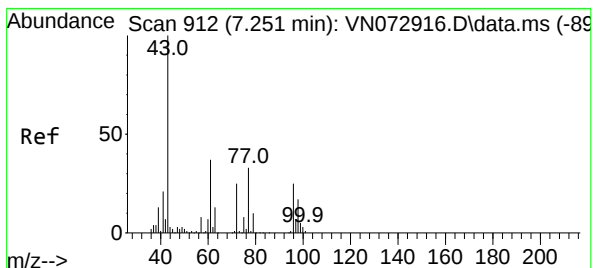
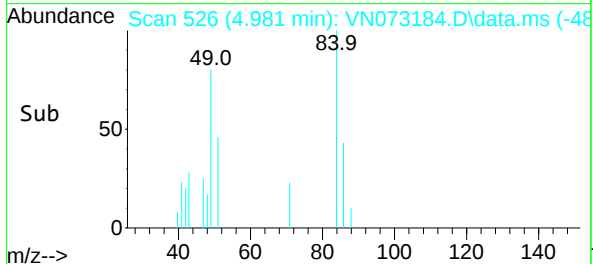
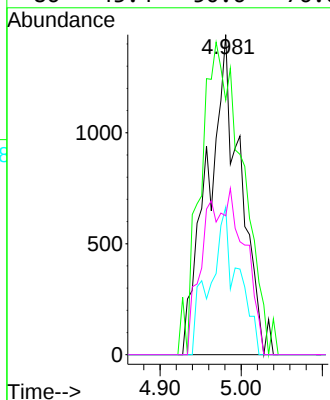


#20
Methylene Chloride
Concen: 0.787 ug/l
RT: 4.981 min Scan# 51
Delta R.T. -0.035 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

Instrument :
MSVOA_N
ClientSampleId :
31547

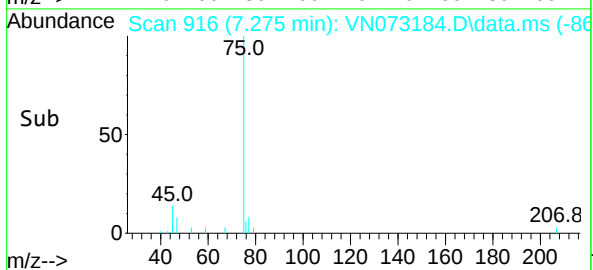
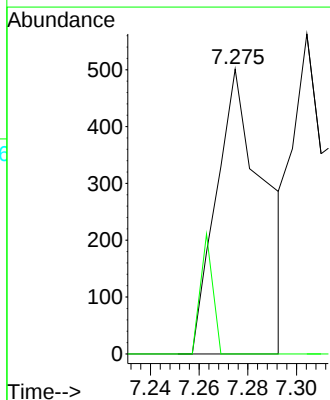
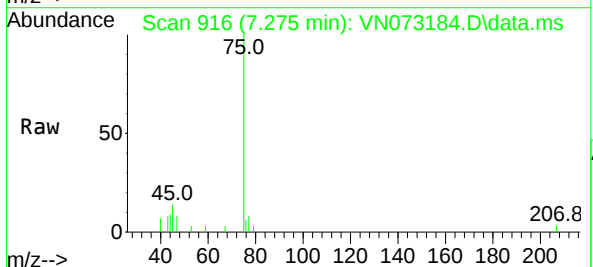


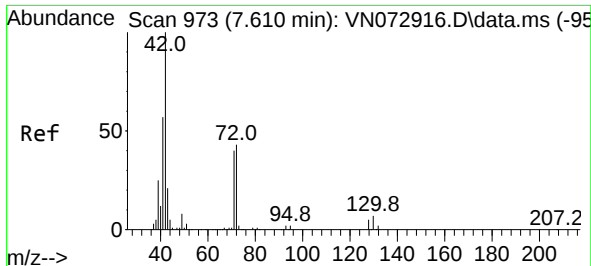
Tgt Ion:	84	Resp:	4080
Ion	Ratio	Lower	Upper
84	100		
49	79.5	88.3	132.5#
51	46.1	28.2	42.2#
86	43.4	50.6	76.0#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.275 min Scan# 916
Delta R.T. 0.024 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

Tgt Ion:	77	Resp:	681
Ion	Ratio	Lower	Upper
77	100		
97	10.9	11.4	34.2#





#29

Tetrahydrofuran

Concen: 1.177 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN073184.D

Acq: 28 Jun 2022 01:23

Instrument :

MSVOA_N

ClientSampleId :

31547

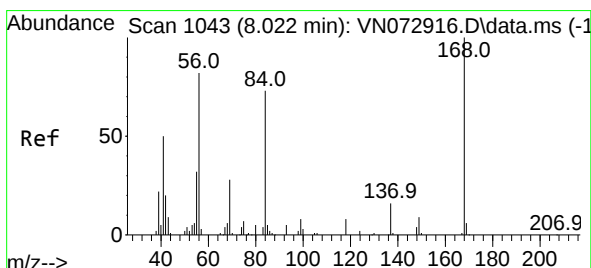
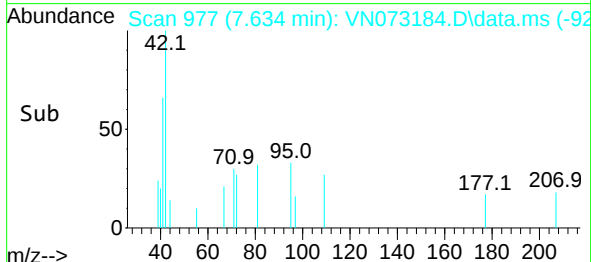
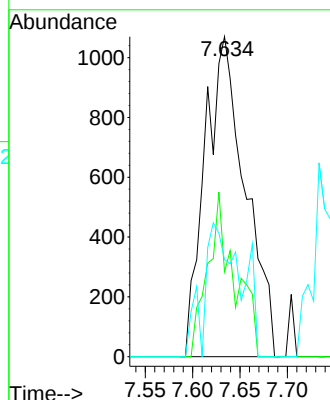
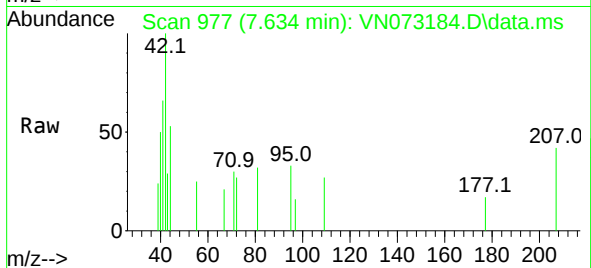
Tgt Ion: 42 Resp: 3167

Ion Ratio Lower Upper

42 100

72 34.3 39.7 59.5#

71 38.1 36.6 55.0



#31

Cyclohexane

Concen: 3.170 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073184.D

Acq: 28 Jun 2022 01:23

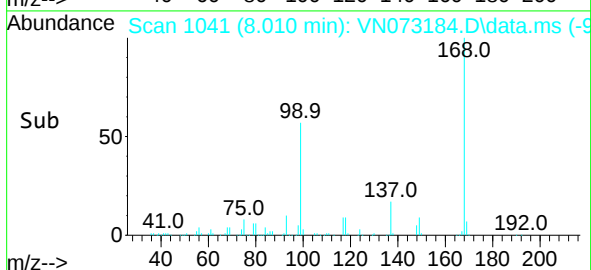
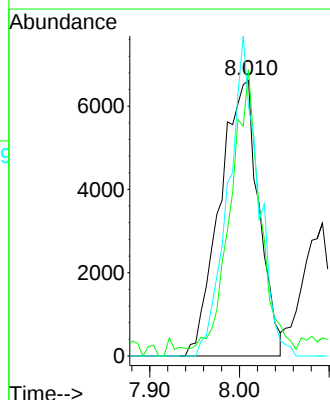
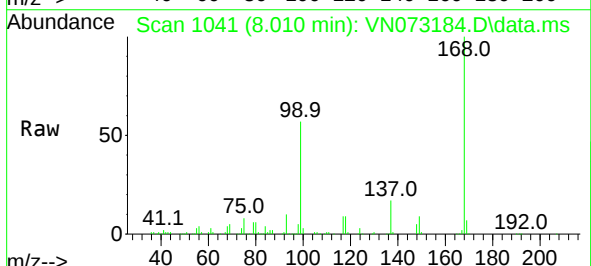
Tgt Ion: 56 Resp: 20031

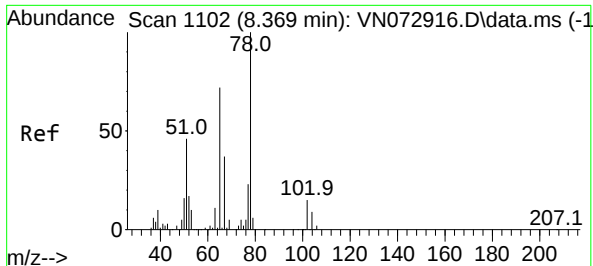
Ion Ratio Lower Upper

56 100

69 100.7 27.8 41.8#

84 90.5 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 42.786 ug/l

RT: 8.357 min Scan# 1100

Delta R.T. -0.012 min

Lab File: VN073184.D

Acq: 28 Jun 2022 01:23

Instrument :

MSVOA_N

ClientSampleId :

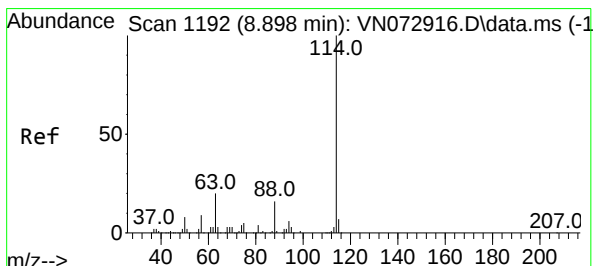
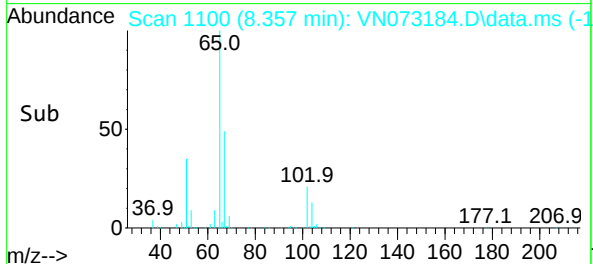
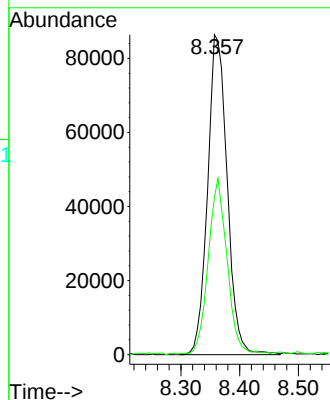
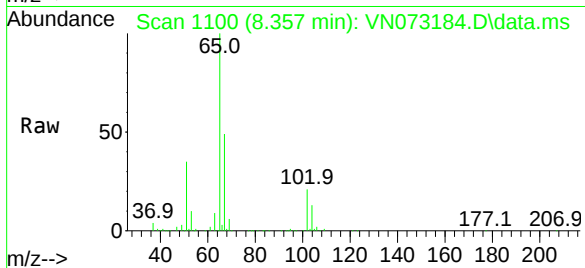
31547

Tgt Ion: 65 Resp: 199862

Ion Ratio Lower Upper

65 100

67 52.5 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: VN073184.D

Acq: 28 Jun 2022 01:23

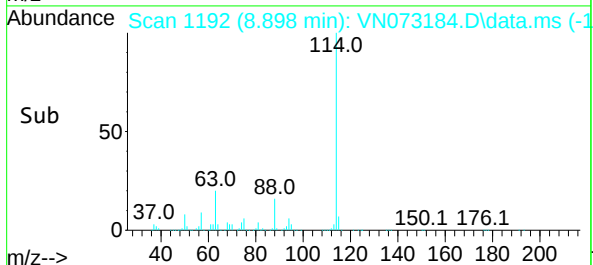
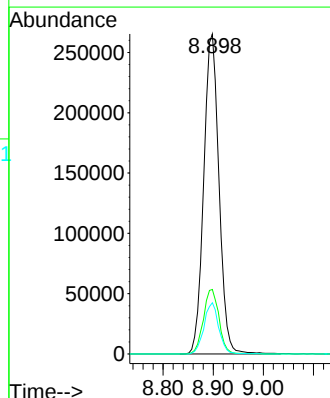
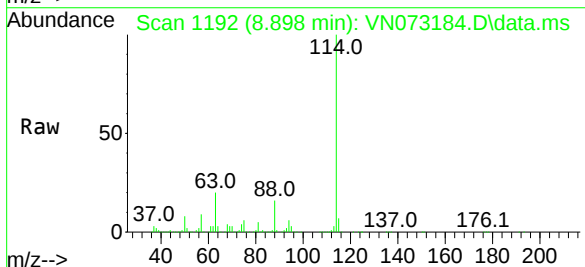
Tgt Ion: 114 Resp: 561588

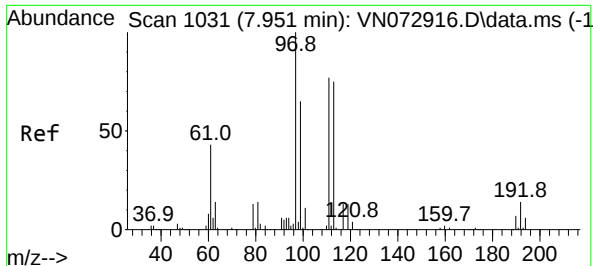
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.239 ug/l

RT: 7.945 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN073184.D

Acq: 28 Jun 2022 01:23

Instrument :

MSVOA_N

ClientSampleId :

31547

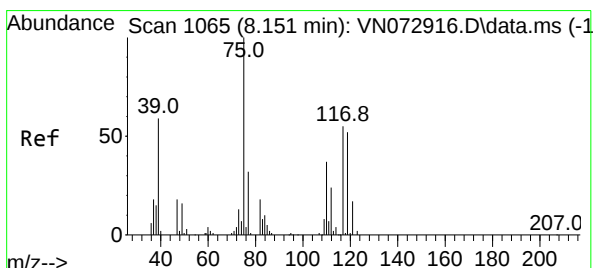
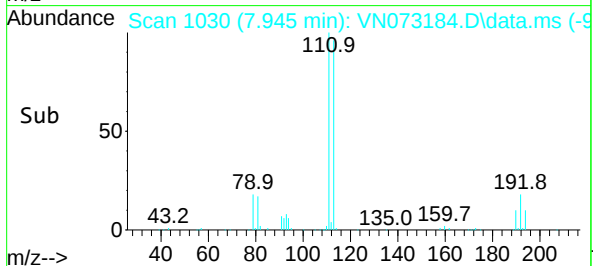
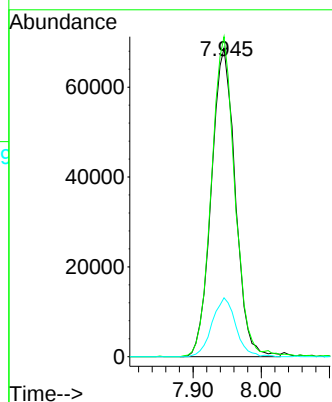
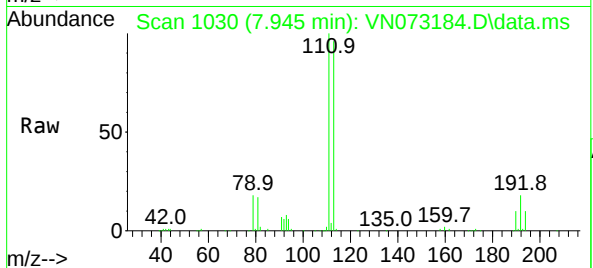
Tgt Ion:113 Resp: 167444

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 19.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.728 ug/l

RT: 8.004 min Scan# 1040

Delta R.T. -0.147 min

Lab File: VN073184.D

Acq: 28 Jun 2022 01:23

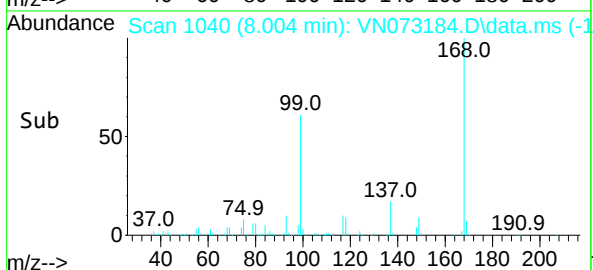
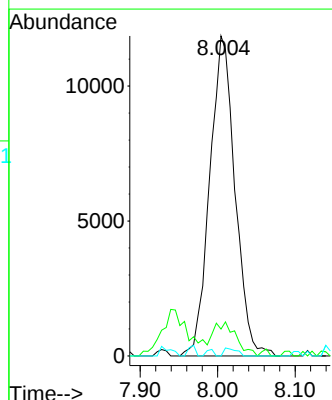
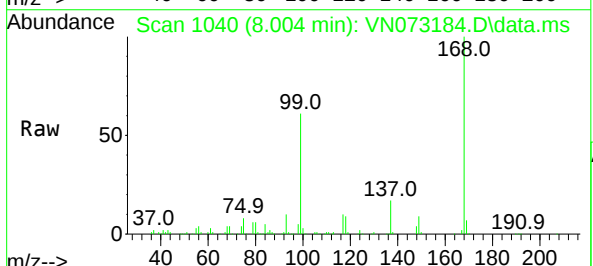
Tgt Ion: 75 Resp: 26903

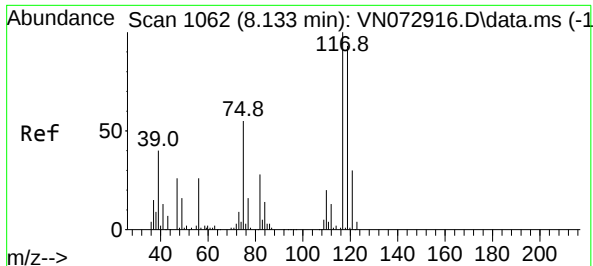
Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 1.2 25.1 37.7#

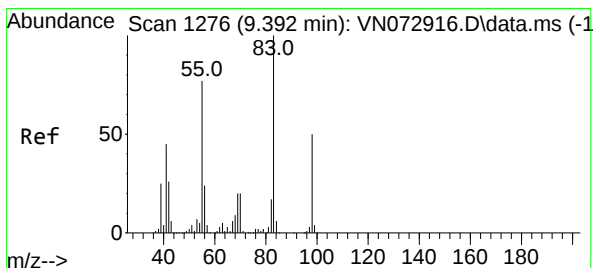
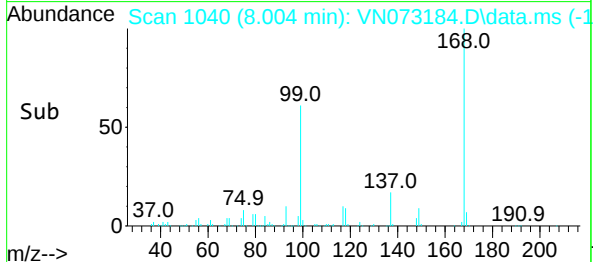
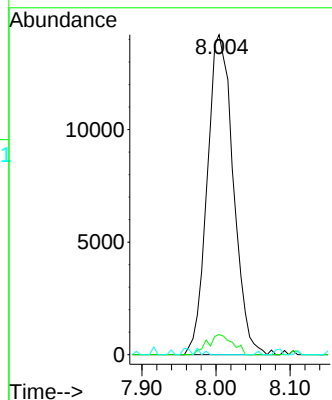
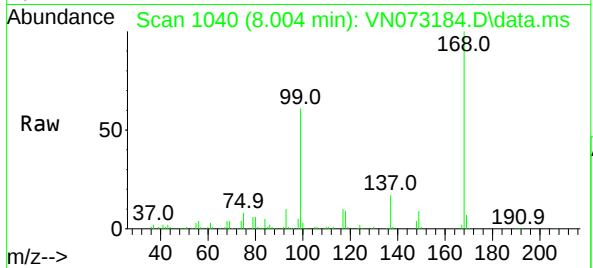




#38
Carbon Tetrachloride
Concen: 7.037 ug/l
RT: 8.004 min Scan# 117
Delta R.T. -0.129 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

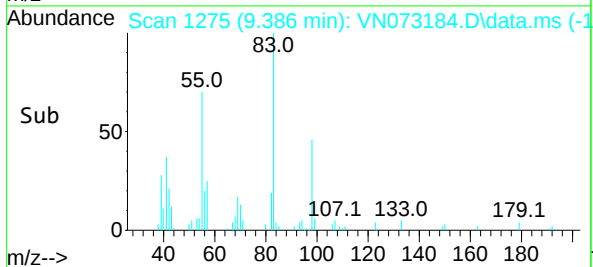
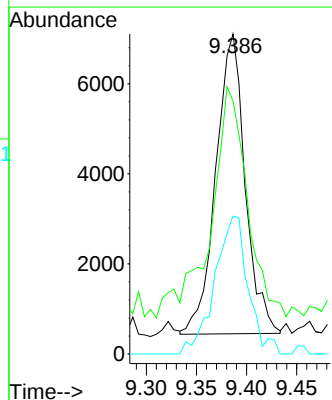
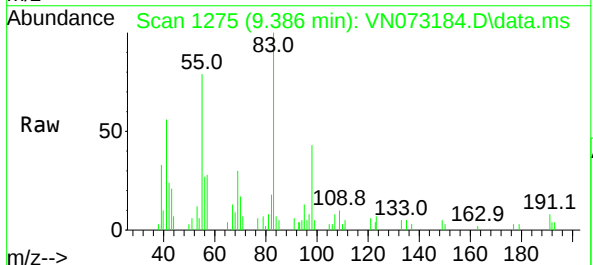
Instrument :
MSVOA_N
ClientSampleId :
31547

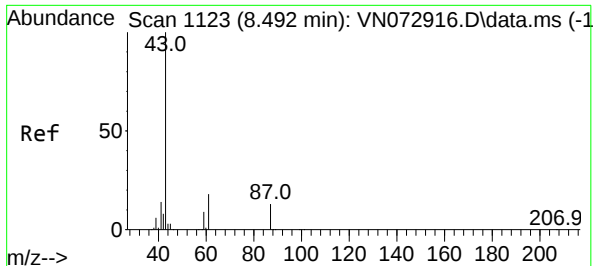
Tgt Ion:117 Resp: 34763
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 2.396 ug/l
RT: 9.386 min Scan# 1275
Delta R.T. -0.006 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

Tgt Ion: 83 Resp: 13564
Ion Ratio Lower Upper
83 100
55 68.1 57.8 86.8
98 46.4 39.4 59.2





#43

Isopropyl Acetate

Concen: 0.440 ug/l

RT: 8.463 min Scan# 1118

Delta R.T. -0.029 min

Lab File: VN073184.D

Acq: 28 Jun 2022 01:23

Instrument :

MSVOA_N

ClientSampleId :

31547

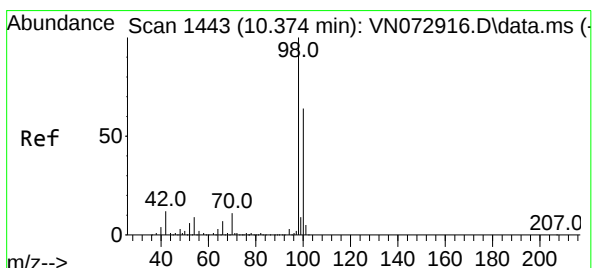
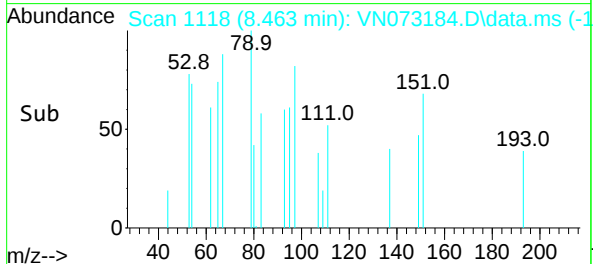
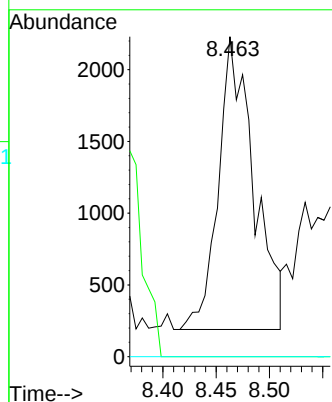
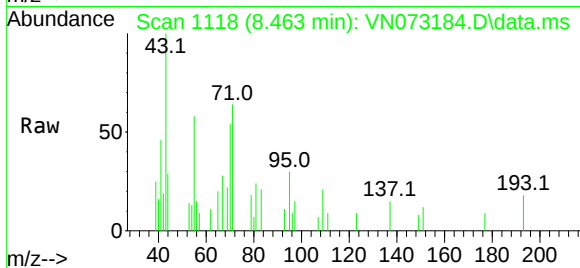
Tgt Ion: 43 Resp: 4725

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 46.434 ug/l

RT: 10.375 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN073184.D

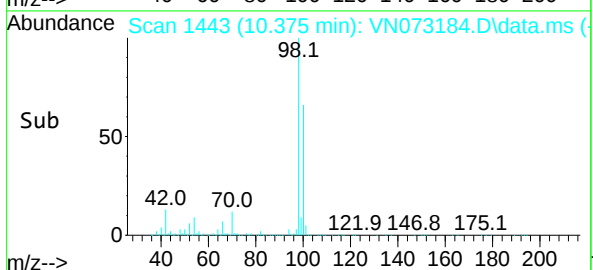
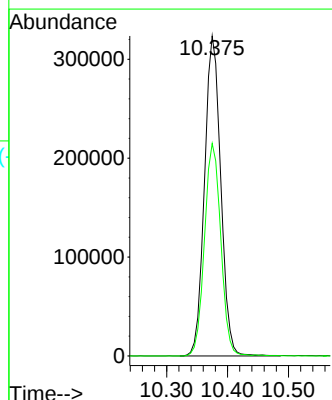
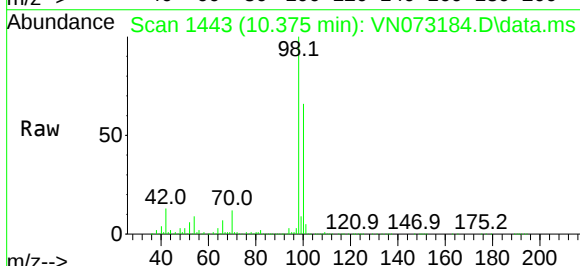
Acq: 28 Jun 2022 01:23

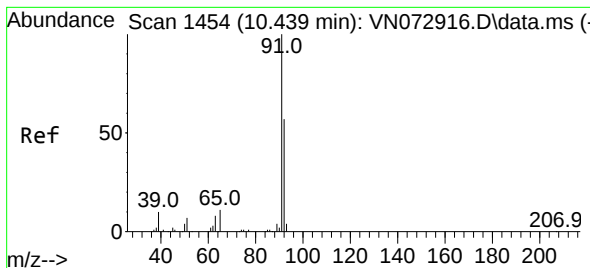
Tgt Ion: 98 Resp: 599748

Ion Ratio Lower Upper

98 100

100 66.7 52.6 78.8





#52

Toluene

Concen: 105.521 ug/l

RT: 10.439 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VN073184.D

Acq: 28 Jun 2022 01:23

Instrument :

MSVOA_N

ClientSampleId :

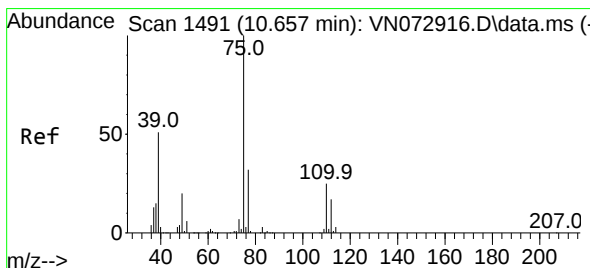
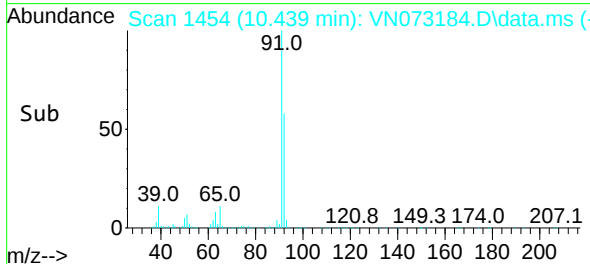
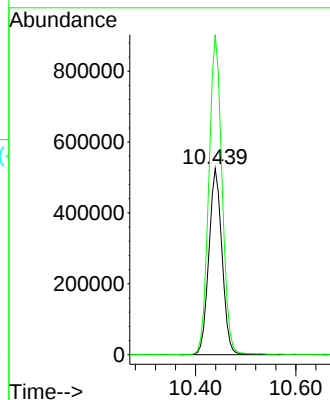
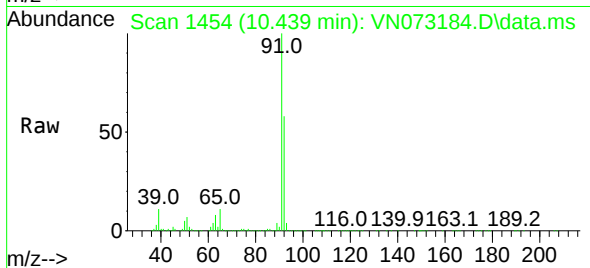
31547

Tgt Ion: 92 Resp: 956280

Ion Ratio Lower Upper

92 100

91 172.2 138.6 207.8



#53

t-1,3-Dichloropropene

Concen: 2.085 ug/l

RT: 10.439 min Scan# 1454

Delta R.T. -0.217 min

Lab File: VN073184.D

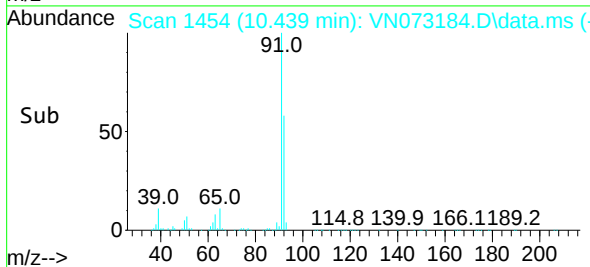
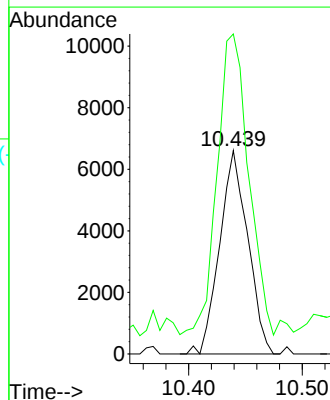
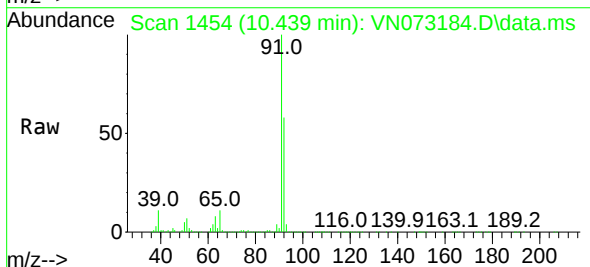
Acq: 28 Jun 2022 01:23

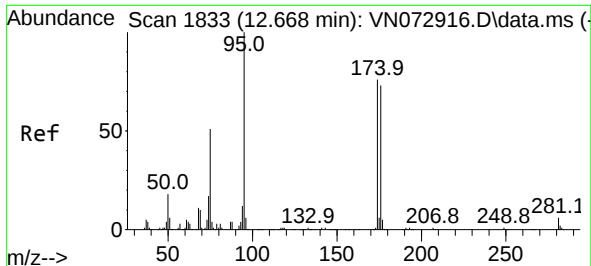
Tgt Ion: 75 Resp: 11371

Ion Ratio Lower Upper

75 100

77 147.9 25.6 38.4#

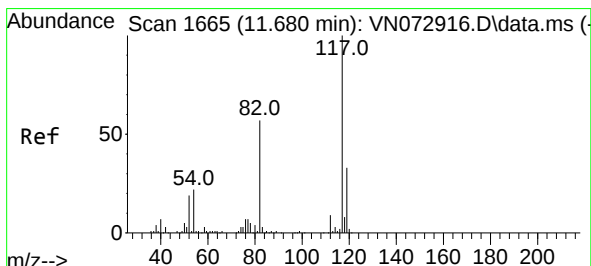
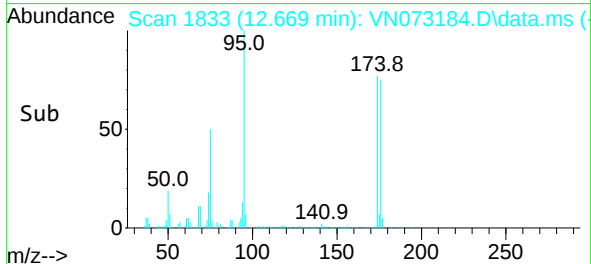
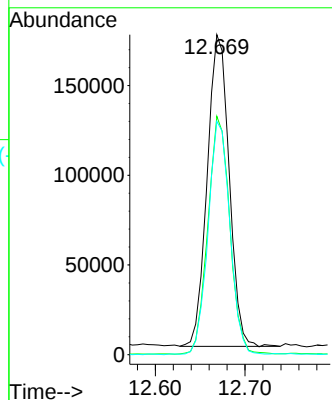
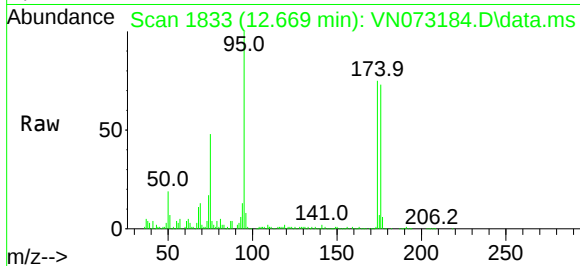




#62
4-Bromofluorobenzene
Concen: 63.491 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

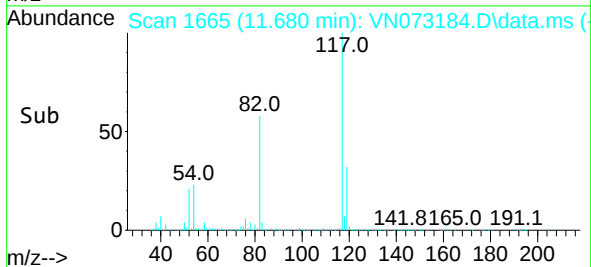
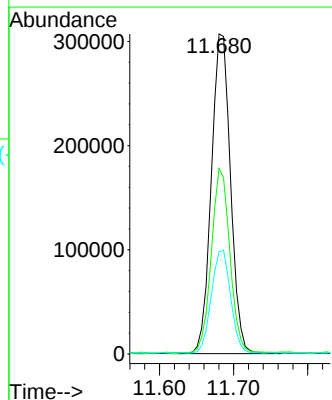
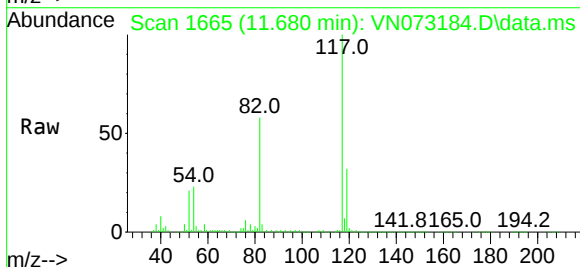
Instrument :
MSVOA_N
ClientSampleId :
31547

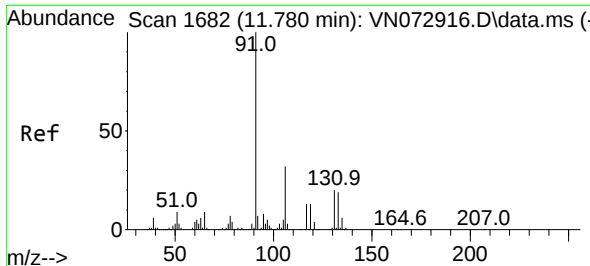
Tgt Ion: 95 Resp: 294883
Ion Ratio Lower Upper
95 100
174 76.1 0.0 167.6
176 74.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

Tgt Ion: 117 Resp: 551086
Ion Ratio Lower Upper
117 100
82 57.6 44.2 66.2
119 31.7 25.4 38.0

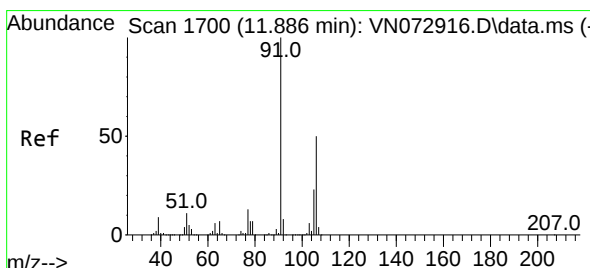
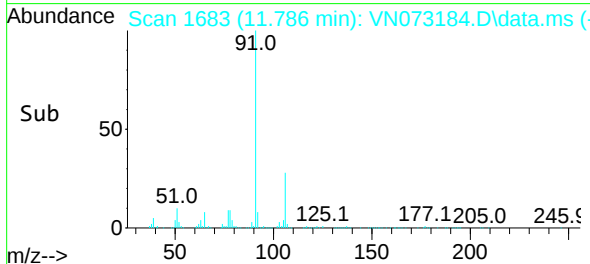
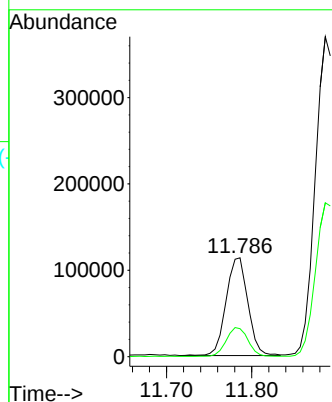
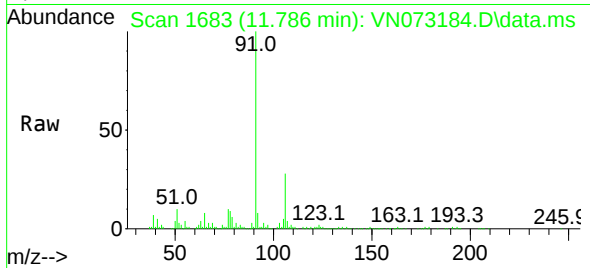




#67
Ethyl Benzene
Concen: 10.573 ug/l
RT: 11.786 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

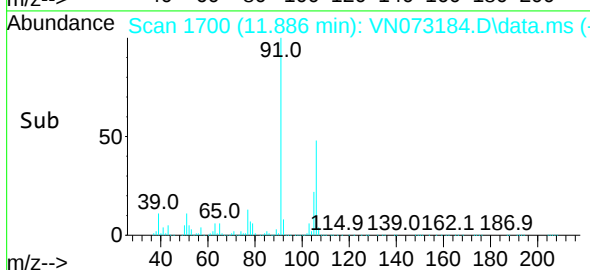
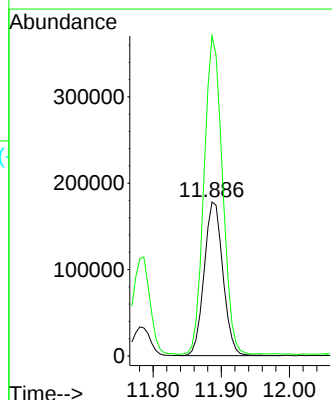
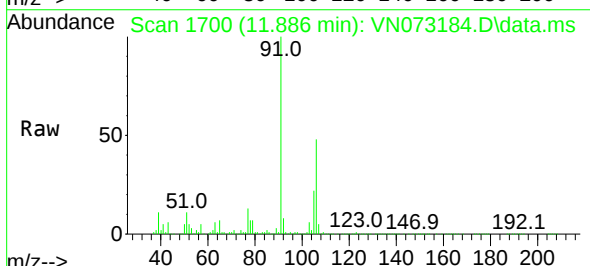
Instrument :
MSVOA_N
ClientSampleId :
31547

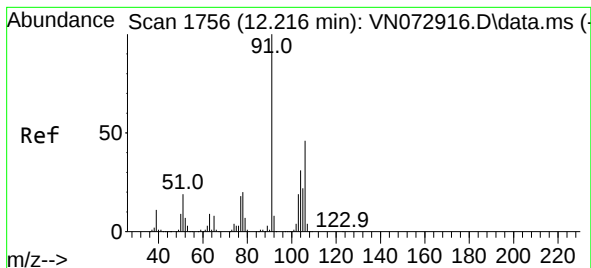
Tgt Ion: 91 Resp: 200316
Ion Ratio Lower Upper
91 100
106 28.3 24.9 37.3



#68
m/p-Xylenes
Concen: 45.685 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

Tgt Ion:106 Resp: 339478
Ion Ratio Lower Upper
106 100
91 203.8 158.9 238.3





#69

o-Xylene

Concen: 14.410 ug/l

RT: 12.222 min Scan# 1757

Delta R.T. 0.006 min

Lab File: VN073184.D

Acq: 28 Jun 2022 01:23

Instrument :

MSVOA_N

ClientSampleId :

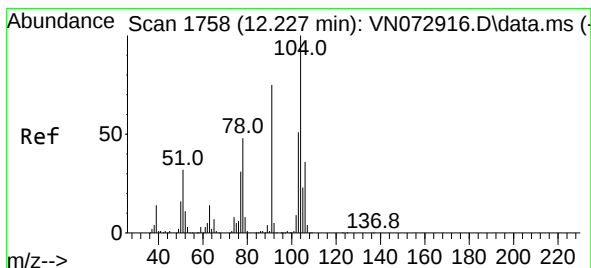
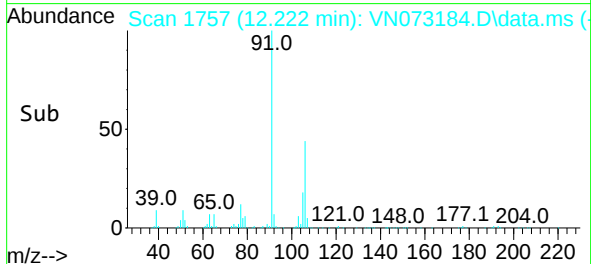
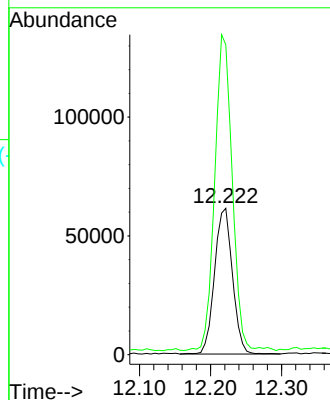
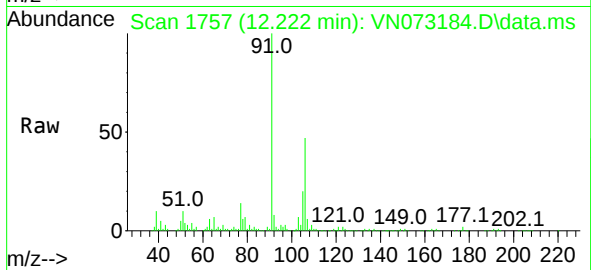
31547

Tgt Ion:106 Resp: 107000

Ion Ratio Lower Upper

106 100

91 210.9 106.0 318.0



#70

Styrene

Concen: 0.437 ug/l

RT: 12.222 min Scan# 1757

Delta R.T. -0.006 min

Lab File: VN073184.D

Acq: 28 Jun 2022 01:23

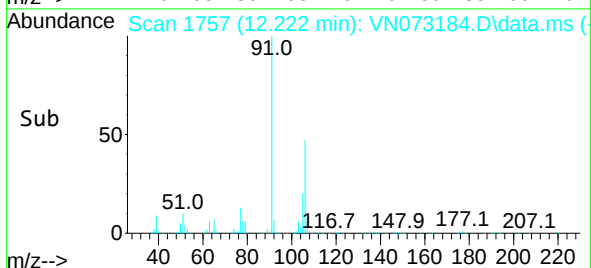
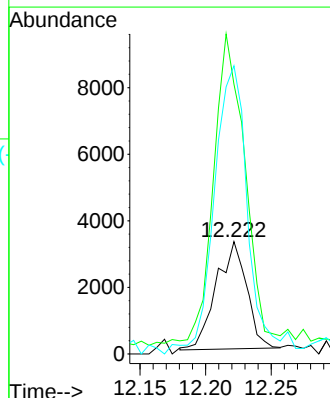
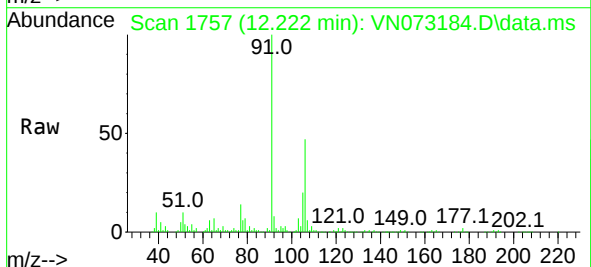
Tgt Ion:104 Resp: 5216

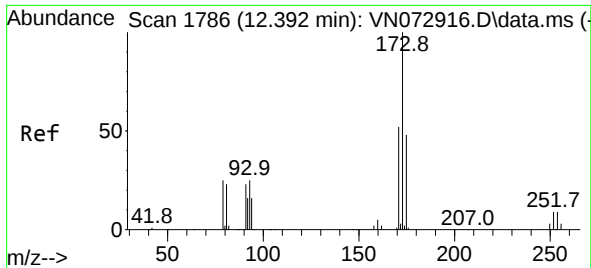
Ion Ratio Lower Upper

104 100

78 301.6 39.5 59.3#

103 298.6 44.0 66.0#

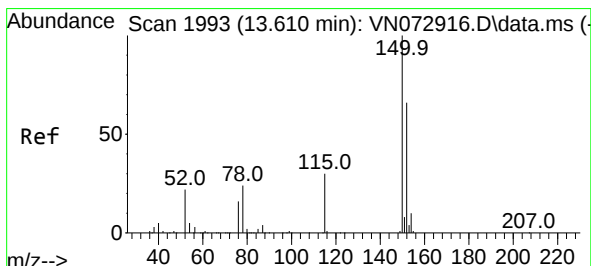
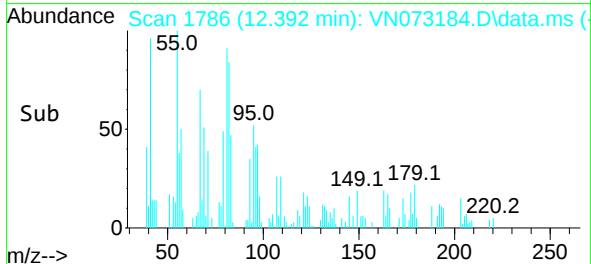
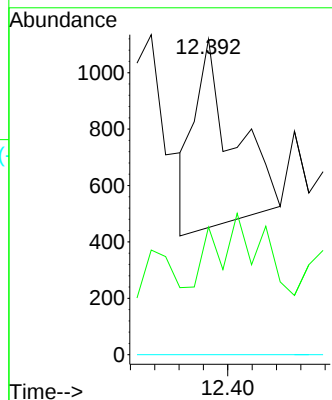
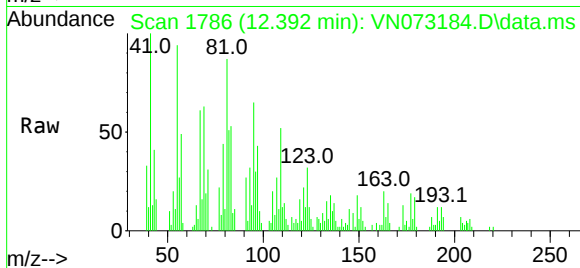




#71
Bromoform
Concen: 0.239 ug/l
RT: 12.392 min Scan# 1786
Delta R.T. 0.000 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

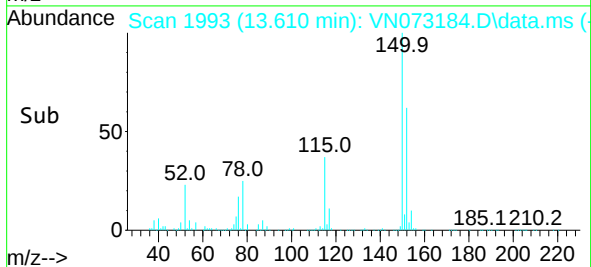
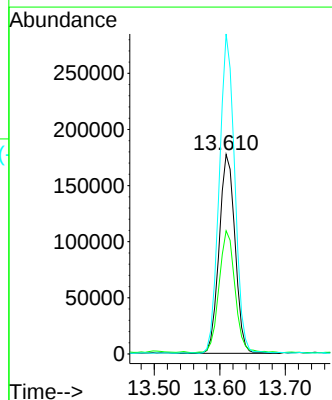
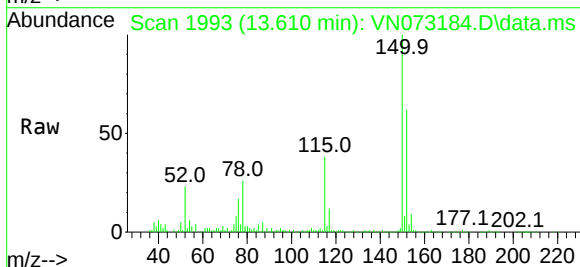
Instrument :
MSVOA_N
ClientSampleId :
31547

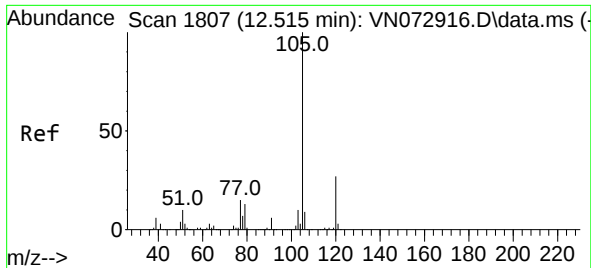
Tgt Ion:173 Resp: 737
Ion Ratio Lower Upper
173 100
175 50.7 24.6 73.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

Tgt Ion:152 Resp: 296704
Ion Ratio Lower Upper
152 100
115 61.9 28.9 86.7
150 156.8 0.0 356.2

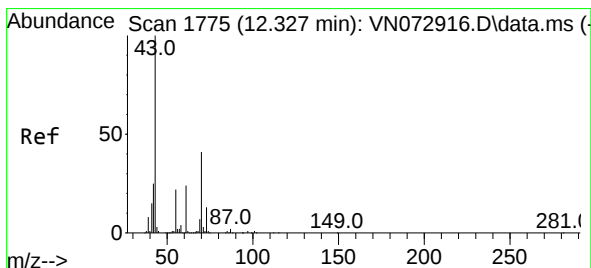
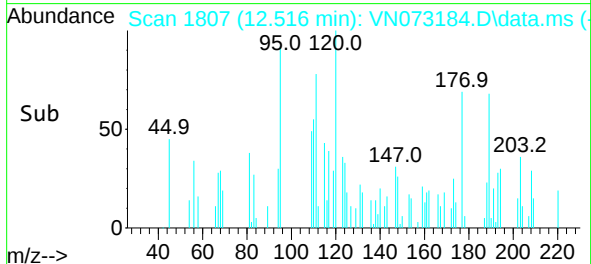
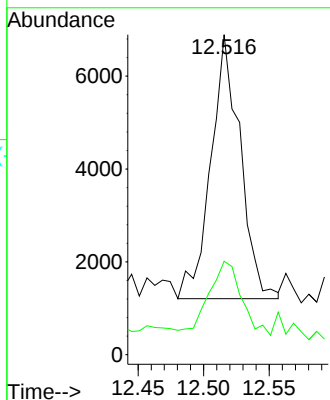
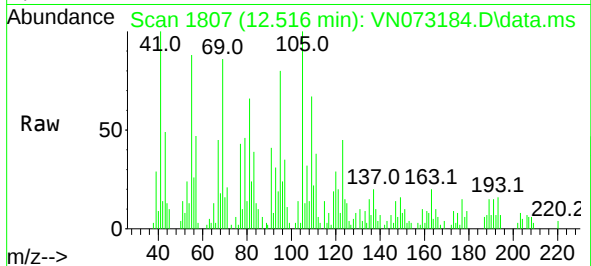




#73
Isopropylbenzene
Concen: 0.387 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

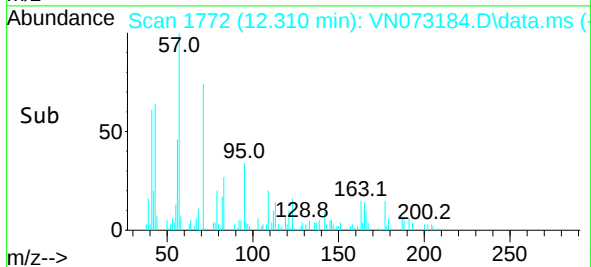
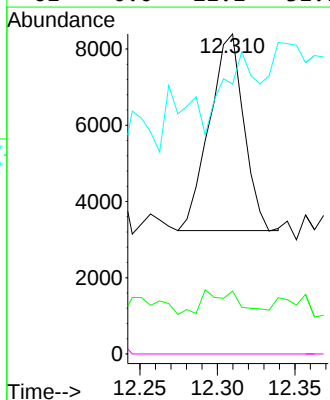
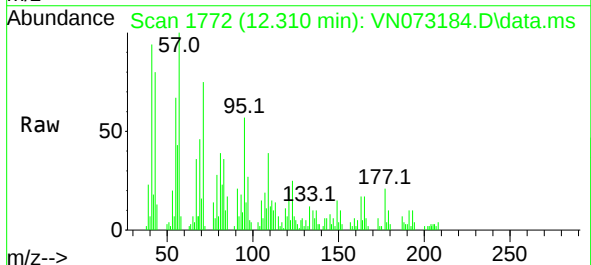
Instrument :
MSVOA_N
ClientSampleId :
31547

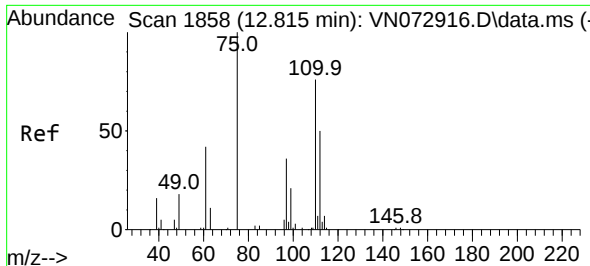
Tgt Ion:105 Resp: 8872
Ion Ratio Lower Upper
105 100
120 31.9 13.5 40.4



#74
N-ethyl acetate
Concen: 0.668 ug/l
RT: 12.310 min Scan# 1772
Delta R.T. -0.018 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

Tgt Ion: 43 Resp: 7952
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 49.9 21.1 31.7#
61 0.0 21.1 31.7#

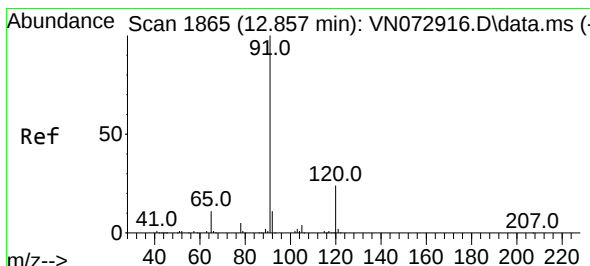
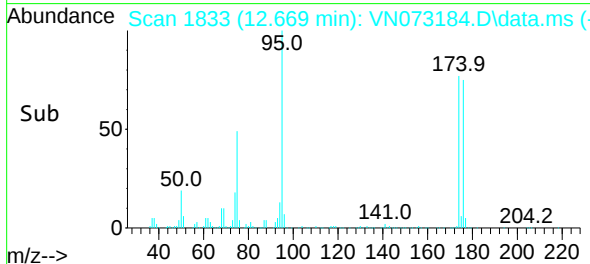
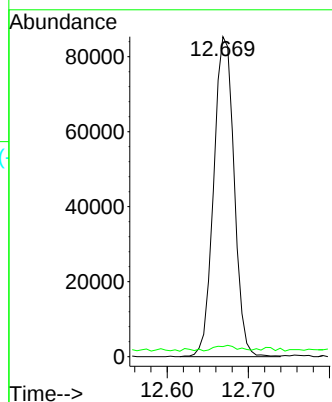
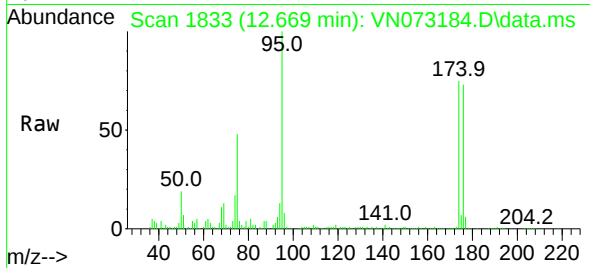




#76
1,2,3-Trichloropropane
Concen: 20.732 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

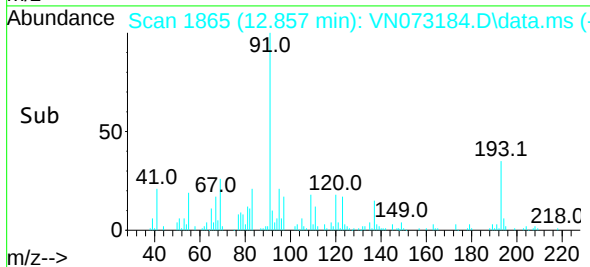
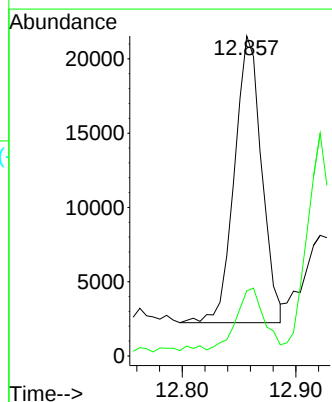
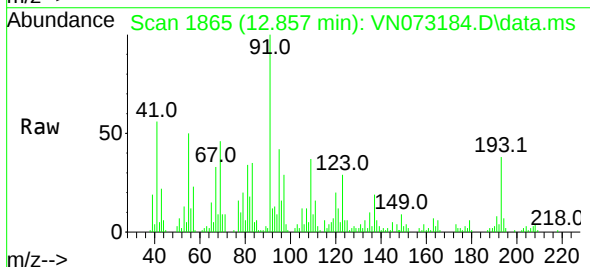
Instrument :
MSVOA_N
ClientSampleId :
31547

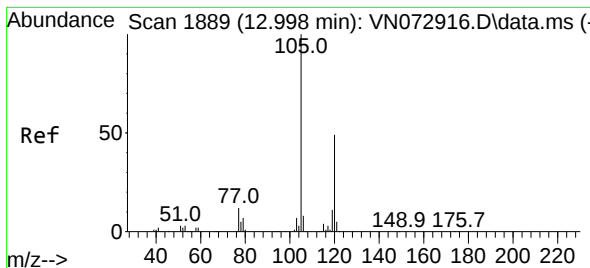
Tgt Ion: 75 Resp: 149135
Ion Ratio Lower Upper
75 100
77 2.0 98.5 295.5#



#78
n-propylbenzene
Concen: 1.276 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

Tgt Ion: 91 Resp: 32207
Ion Ratio Lower Upper
91 100
120 21.6 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 1.389 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VN073184.D

Acq: 28 Jun 2022 01:23

Instrument :

MSVOA_N

ClientSampleId :

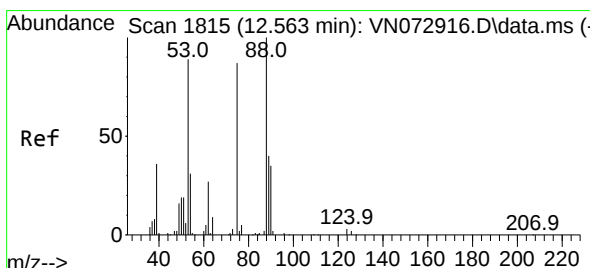
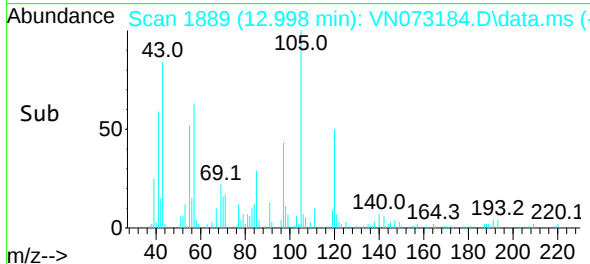
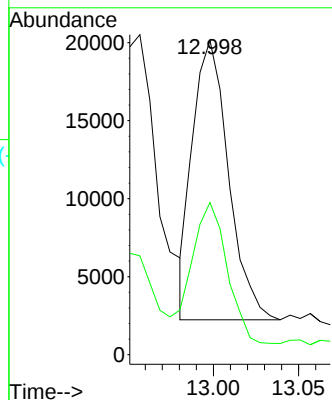
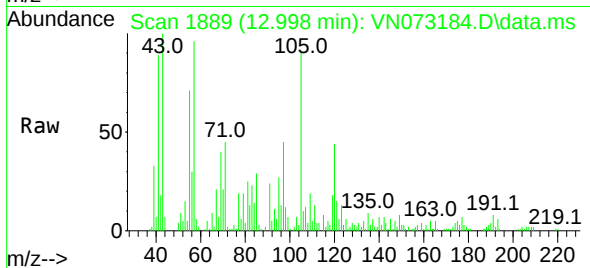
31547

Tgt Ion:105 Resp: 26184

Ion Ratio Lower Upper

105 100

120 50.7 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 55.989 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.106 min

Lab File: VN073184.D

Acq: 28 Jun 2022 01:23

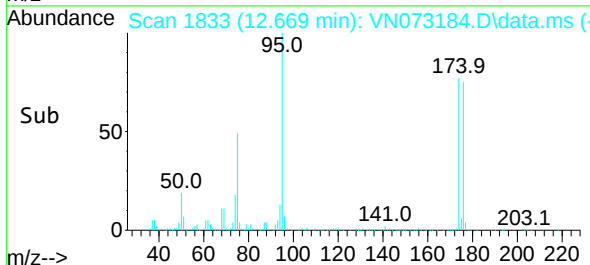
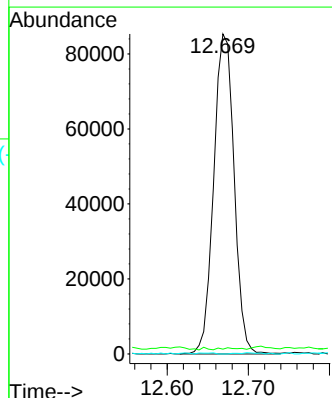
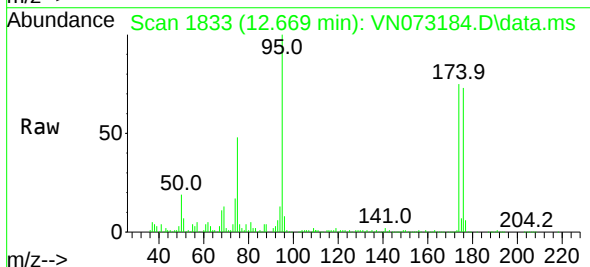
Tgt Ion: 75 Resp: 149135

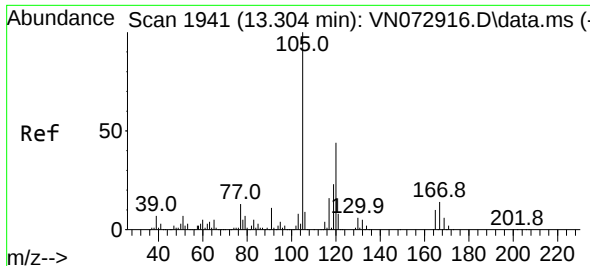
Ion Ratio Lower Upper

75 100

53 0.4 78.0 117.0#

89 0.2 37.2 55.8#

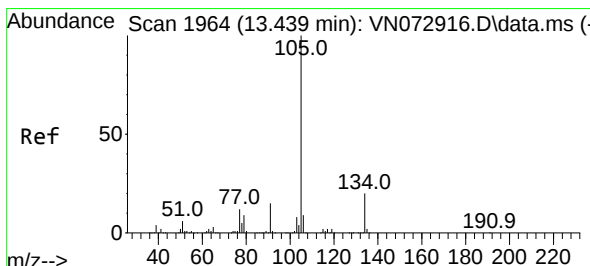
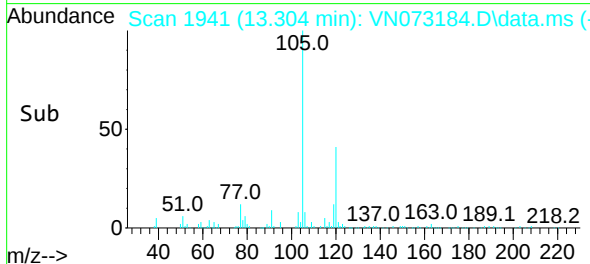
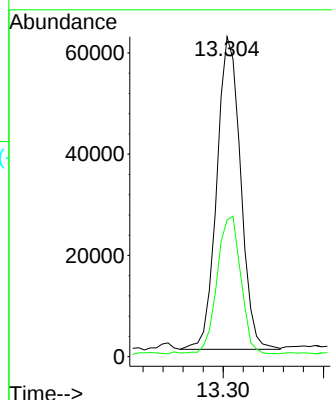
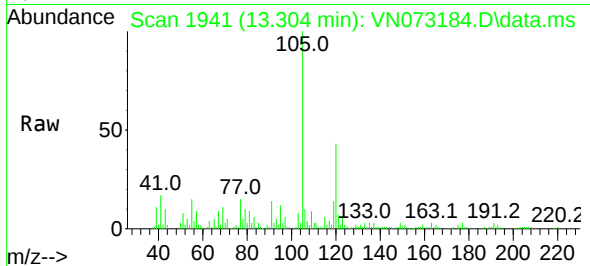




#84
1,2,4-Trimethylbenzene
Concen: 5.410 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

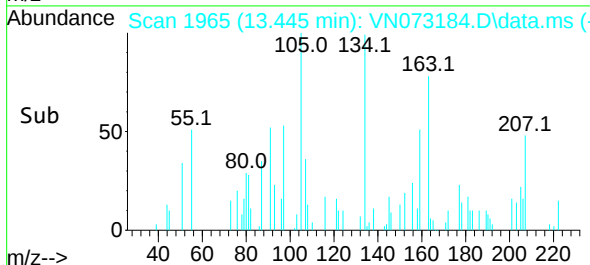
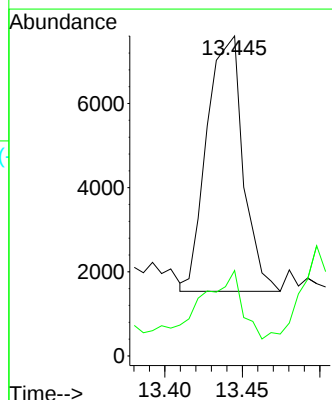
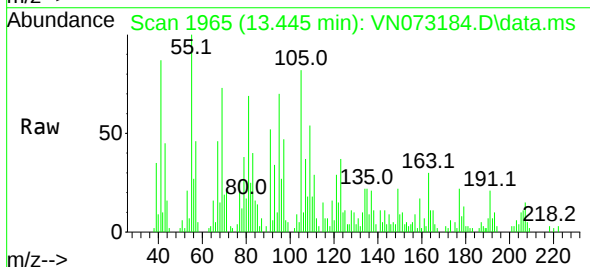
Instrument :
MSVOA_N
ClientSampleId :
31547

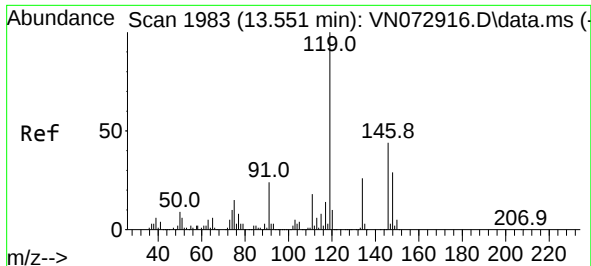
Tgt Ion:105 Resp: 101595
Ion Ratio Lower Upper
105 100
120 44.2 23.3 69.8



#85
sec-Butylbenzene
Concen: 0.428 ug/l
RT: 13.445 min Scan# 1965
Delta R.T. 0.006 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

Tgt Ion:105 Resp: 9860
Ion Ratio Lower Upper
105 100
134 30.1 10.4 31.1

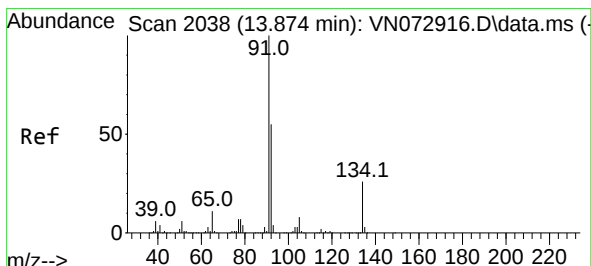
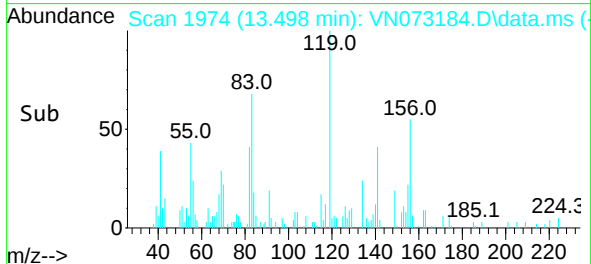
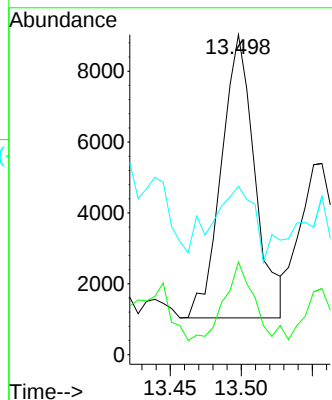
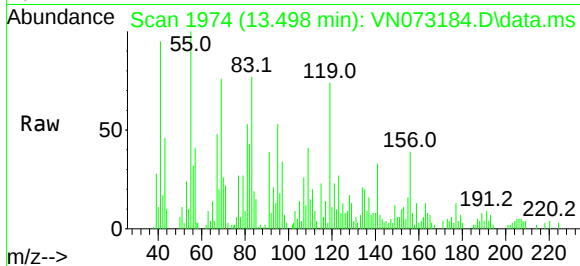




#86
p-Isopropyltoluene
Concen: 0.705 ug/l
RT: 13.498 min Scan# 1983
Delta R.T. -0.053 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

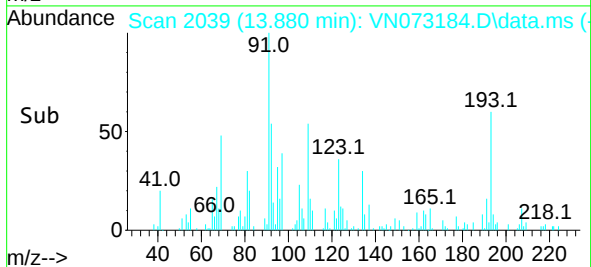
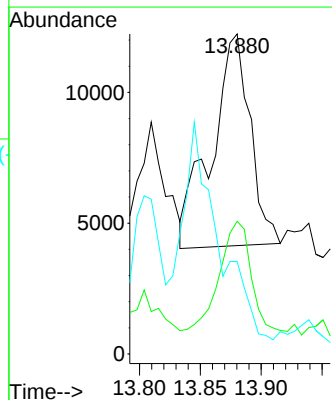
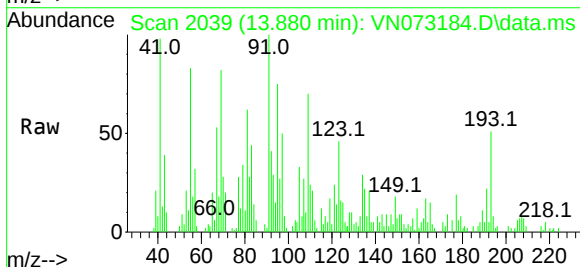
Instrument :
MSVOA_N
ClientSampleId :
31547

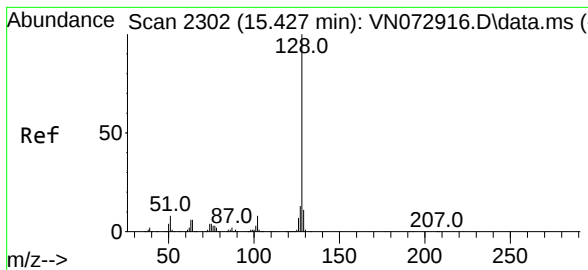
Tgt Ion:119	Resp:	13140
Ion	Ratio	Lower Upper
119	100	
134	20.2	13.3 39.8
91	28.5	11.3 33.9



#89
n-Butylbenzene
Concen: 1.176 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.006 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

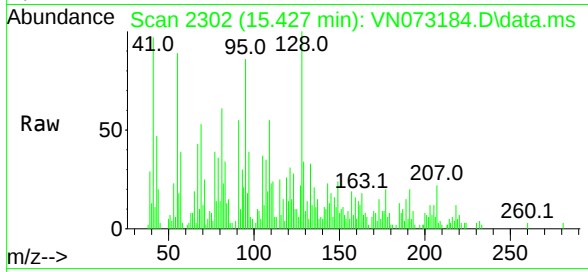
Tgt Ion: 91	Resp:	17910
Ion	Ratio	Lower Upper
91	100	
92	44.3	26.9 80.7
134	0.0	13.6 40.8#





#95
Naphthalene
Concen: 0.687 ug/l
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073184.D
Acq: 28 Jun 2022 01:23

Instrument :
MSVOA_N
ClientSampleId :
31547



Tgt Ion:	128	Resp:	15755
Ion	Ratio	Lower	Upper
128	100		
127	17.8	10.3	15.5#
129	8.4	8.6	13.0#

