

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102921\
 Data File : VN069296.D
 Acq On : 29 Oct 2021 13:04
 Operator : JC/MD
 Sample : M4338-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:40:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

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

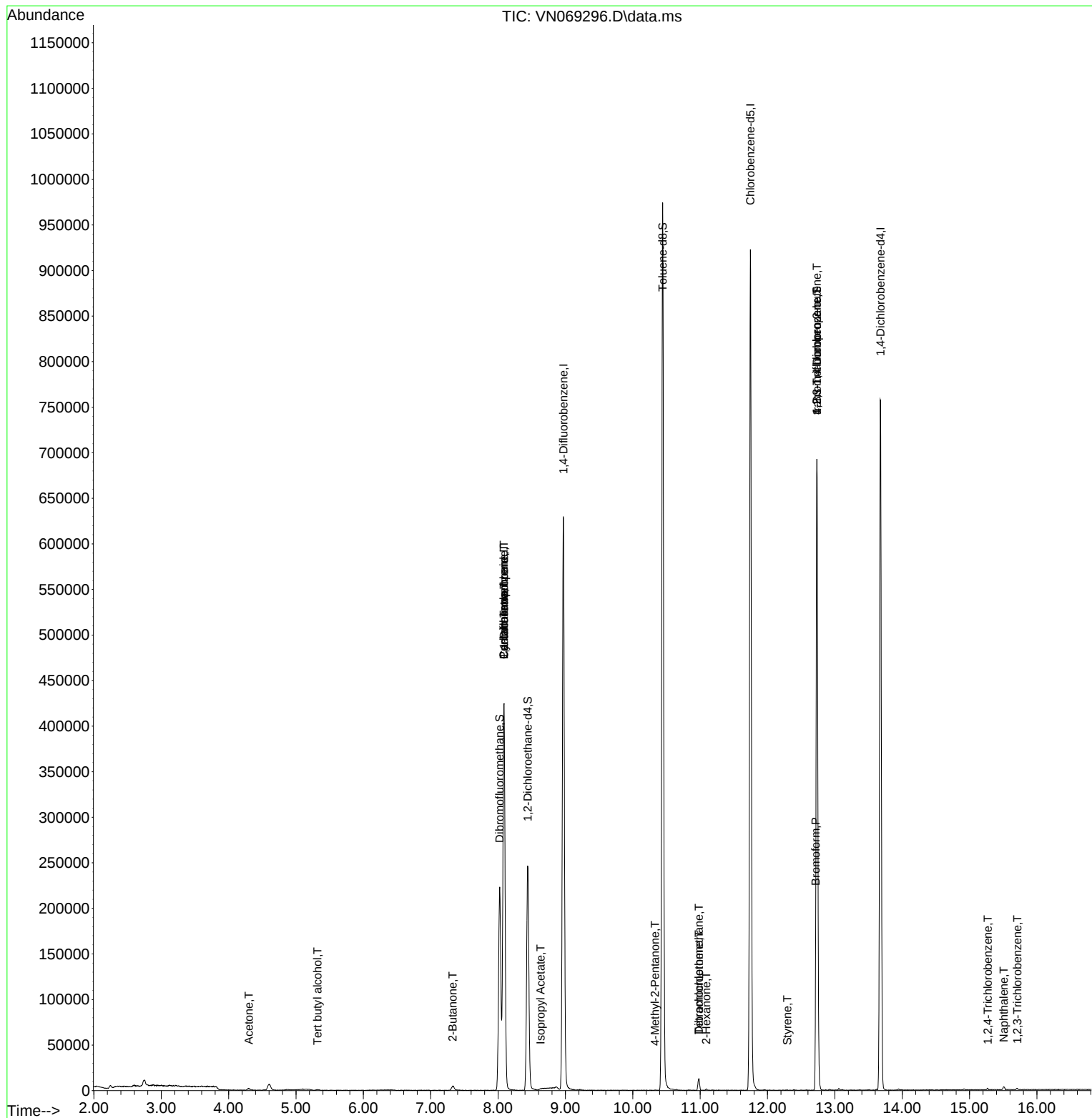
Internal Standards						
1) Pentafluorobenzene	8.088	168	317907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	556718	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	544090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	205063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	213851	46.600	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.200%		
35) Dibromofluoromethane	8.024	113	161300	46.479	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.960%		
50) Toluene-d8	10.443	98	699260	50.395	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.780%		
62) 4-Bromofluorobenzene	12.733	95	251078	47.952	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.900%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	471	Below Cal	#	42
11) Tert butyl alcohol	5.318	59	394	13.825	ug/l #	72
16) Acetone	4.299	43	3389	1.733	ug/l	99
25) 2-Butanone	7.327	43	120	1.674	ug/l #	48
31) Cyclohexane	8.088	56	7685	1.251	ug/l #	3
36) 1,1-Dichloropropene	8.088	75	26506	5.523	ug/l #	49
38) Carbon Tetrachloride	8.088	117	33496	7.022	ug/l #	15
43) Isopropyl Acetate	8.630	43	979	0.561	ug/l #	55
51) 4-Methyl-2-Pentanone	10.328	43	299	6.449	ug/l #	36
59) 2-Hexanone	11.089	43	1224	8.250	ug/l	78
60) Dibromochloromethane	10.982	129	3009	2.643	ug/l #	10
64) Tetrachloroethene	10.982	164	2840	0.817	ug/l	91
70) Styrene	12.296	104	91	1.463	ug/l #	59
71) Bromoform	12.715	173	95	2.900	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	134741	24.983	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	134741	71.558	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.271	180	818	2.721	ug/l #	73
95) Naphthalene	15.507	128	4203	3.691	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.708	180	696	2.411	ug/l #	67

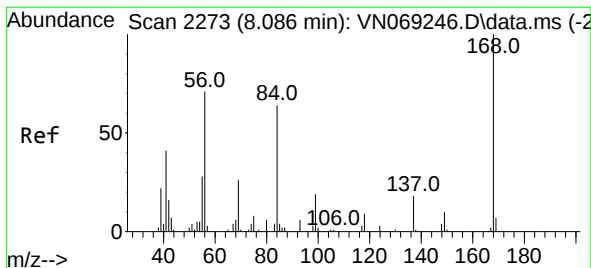
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 28 16:09:15 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN069296.D

Acq: 29 Oct 2021 13:04

Instrument :

MSVOA_N

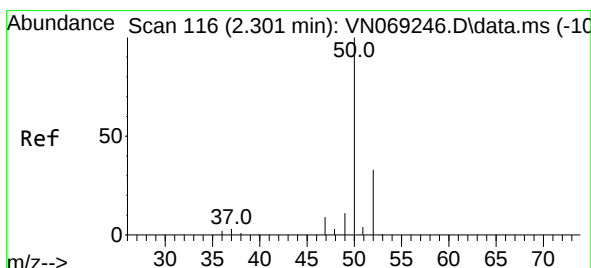
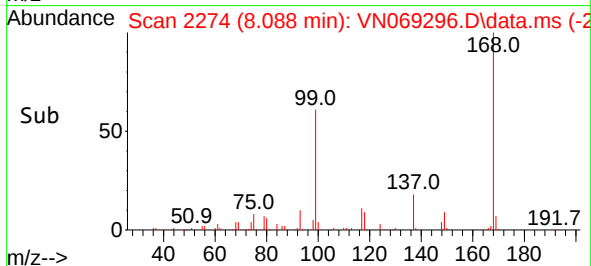
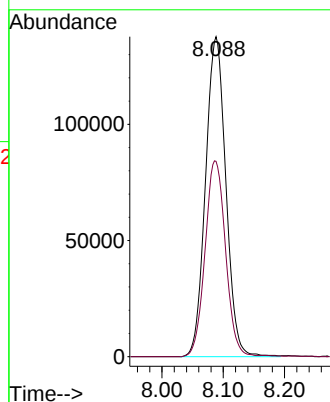
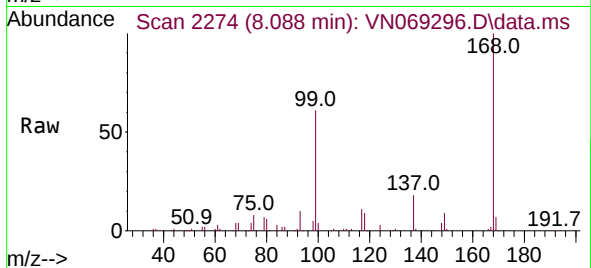
ClientSampleId :

Tgt Ion:168 Resp: 317907

Ion Ratio Lower Upper

168 100

99 61.0 48.9 73.3



#3

Chloromethane

Concen: Below Cal

RT: 2.306 min Scan# 118

Delta R.T. 0.005 min

Lab File: VN069296.D

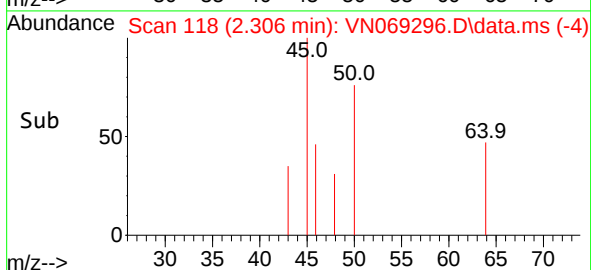
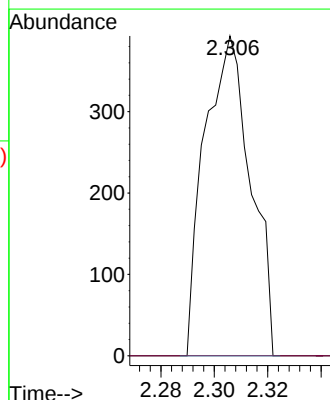
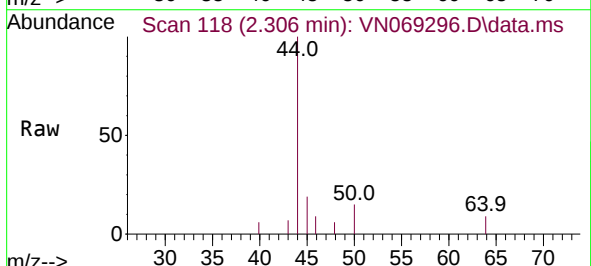
Acq: 29 Oct 2021 13:04

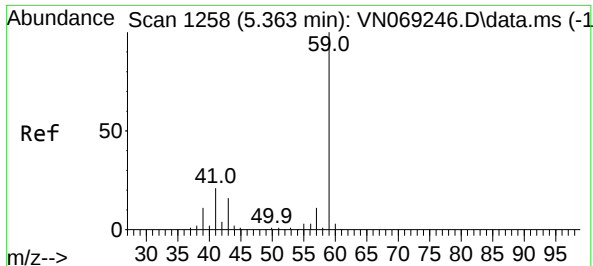
Tgt Ion: 50 Resp: 471

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#





#11

Tert butyl alcohol

Concen: 13.825 ug/l

RT: 5.318 min Scan# 11

Delta R.T. -0.045 min

Lab File: VN069296.D

Acq: 29 Oct 2021 13:04

Instrument :

MSVOA_N

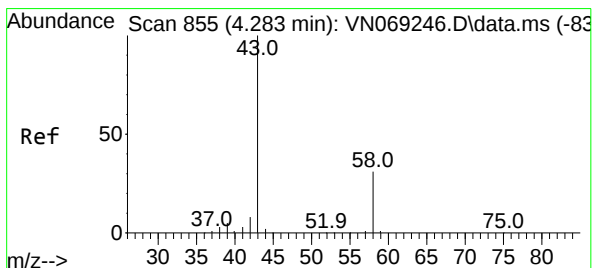
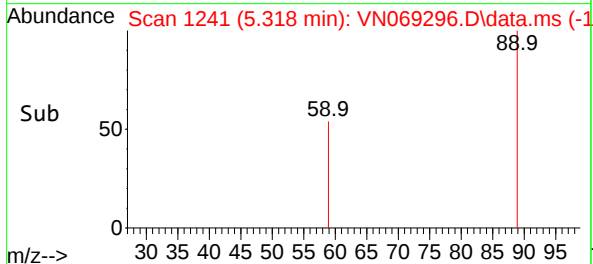
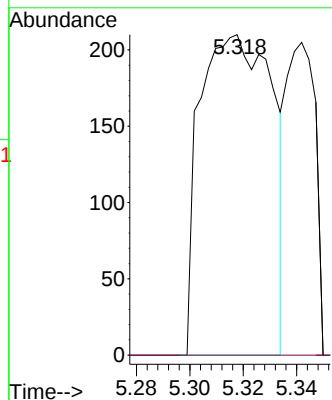
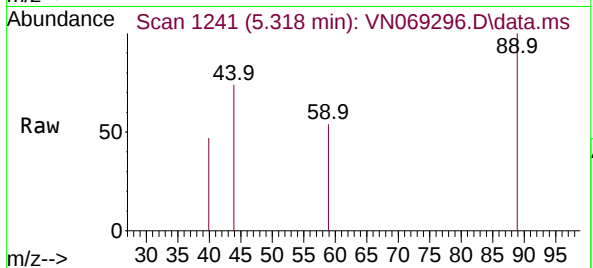
ClientSampleId :

Tgt Ion: 59 Resp: 394

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 1.733 ug/l

RT: 4.299 min Scan# 861

Delta R.T. 0.016 min

Lab File: VN069296.D

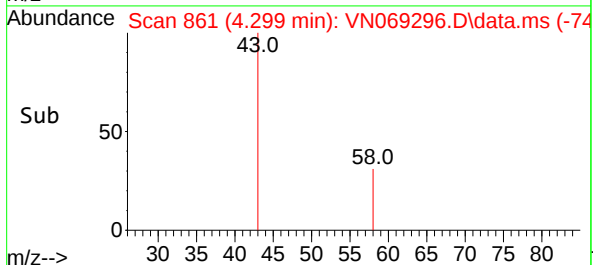
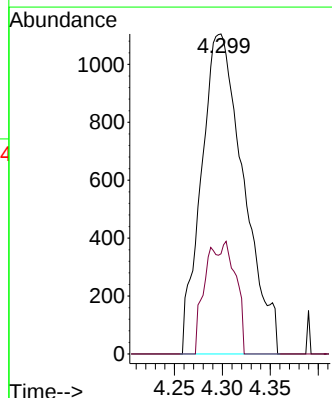
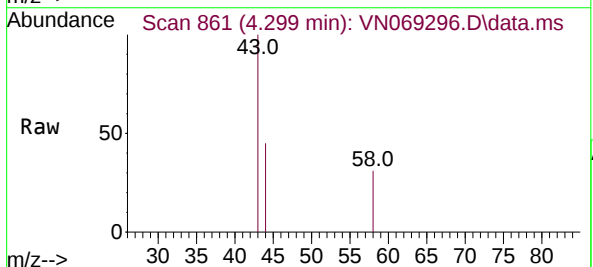
Acq: 29 Oct 2021 13:04

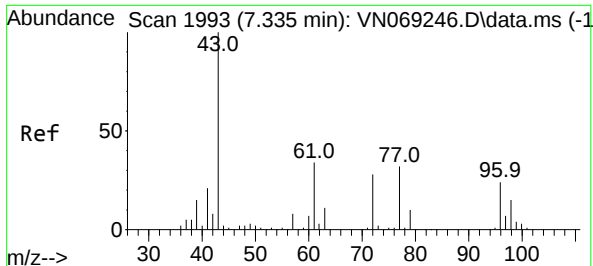
Tgt Ion: 43 Resp: 3389

Ion Ratio Lower Upper

43 100

58 31.3 24.5 36.7





#25

2-Butanone

Concen: 1.674 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. -0.008 min

Lab File: VN069296.D

Acq: 29 Oct 2021 13:04

Instrument :

MSVOA_N

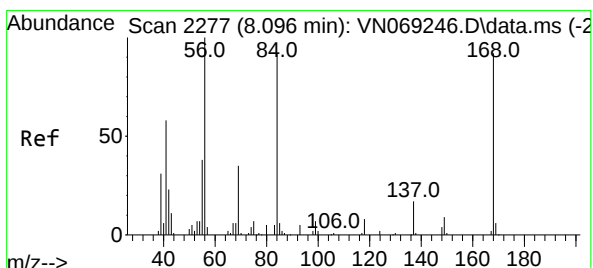
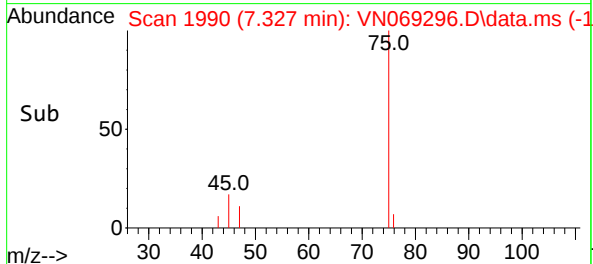
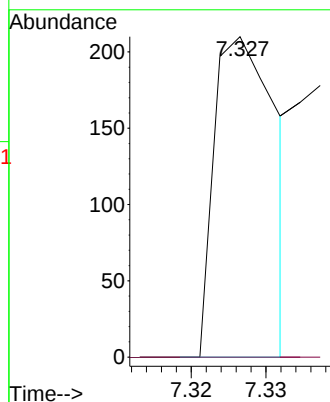
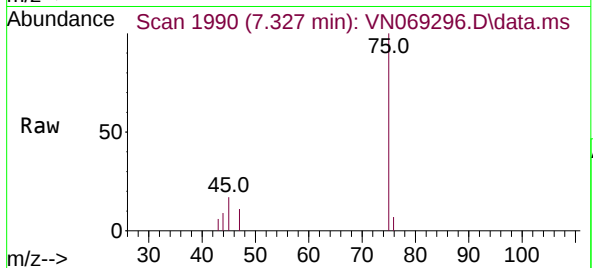
ClientSampleId :

Tgt Ion: 43 Resp: 120

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#31

Cyclohexane

Concen: 1.251 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.008 min

Lab File: VN069296.D

Acq: 29 Oct 2021 13:04

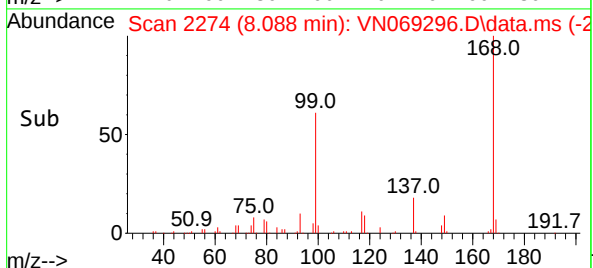
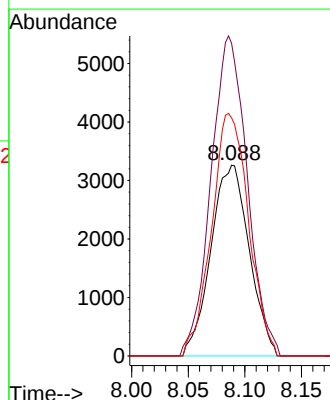
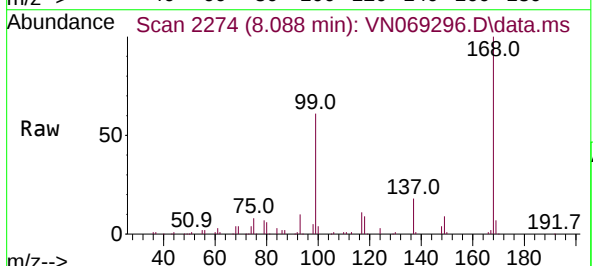
Tgt Ion: 56 Resp: 7685

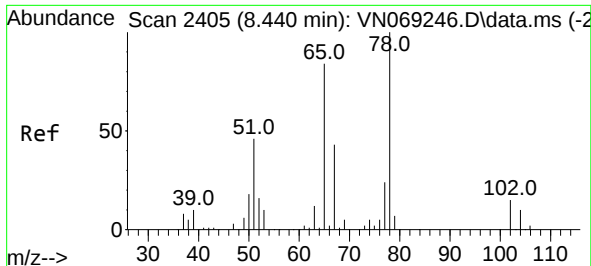
Ion Ratio Lower Upper

56 100

69 163.9 26.9 40.3#

84 124.8 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 46.600 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069296.D

Acq: 29 Oct 2021 13:04

Instrument :

MSVOA_N

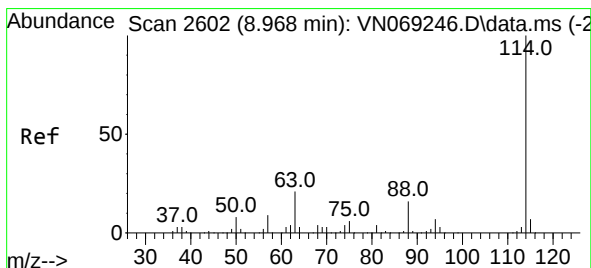
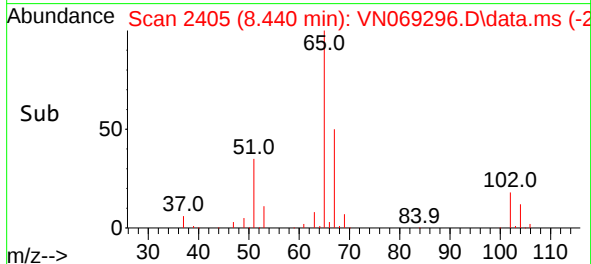
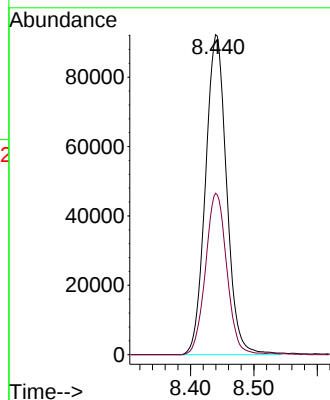
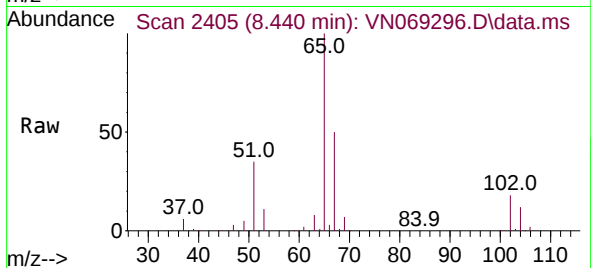
ClientSampleId :

Tgt Ion: 65 Resp: 213851

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN069296.D

Acq: 29 Oct 2021 13:04

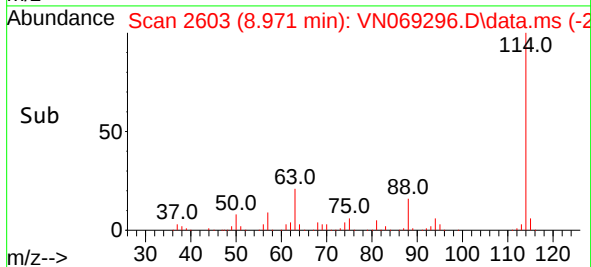
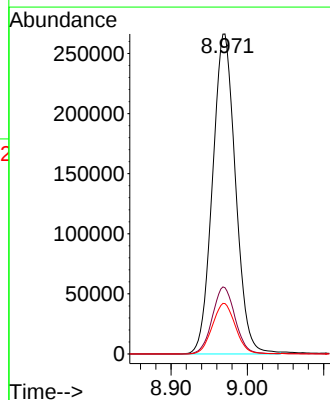
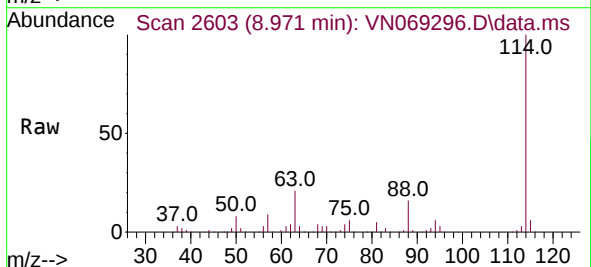
Tgt Ion: 114 Resp: 556718

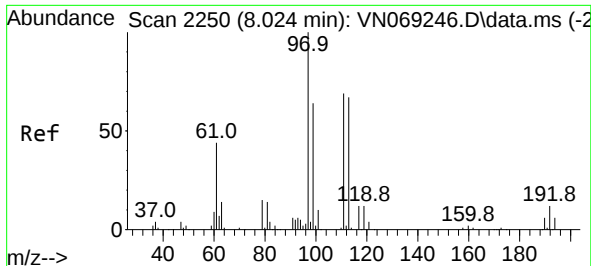
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

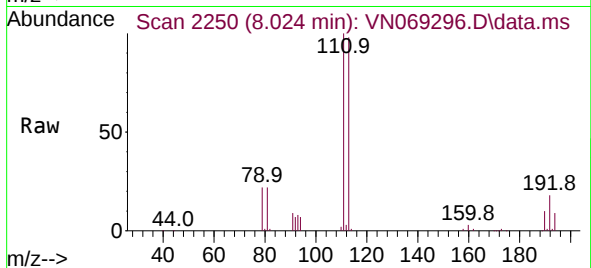
88 15.8 0.0 32.0



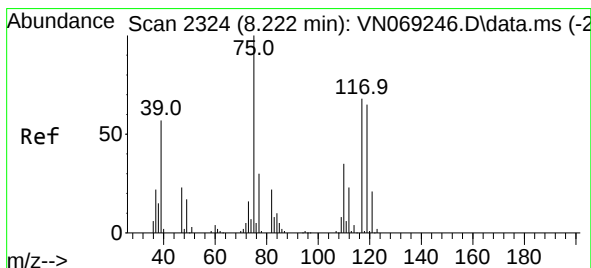
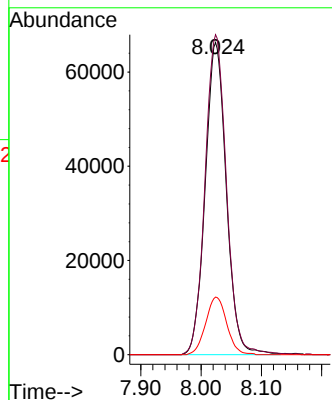
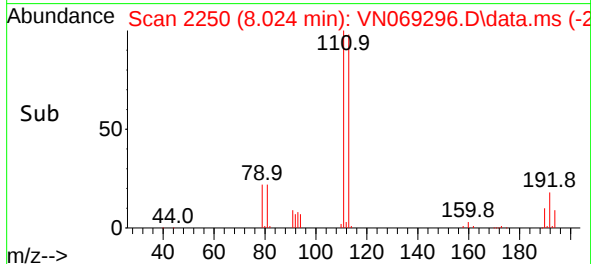


#35
Dibromofluoromethane
Concen: 46.479 ug/l
RT: 8.024 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

Instrument :
MSVOA_N
ClientSampleId :

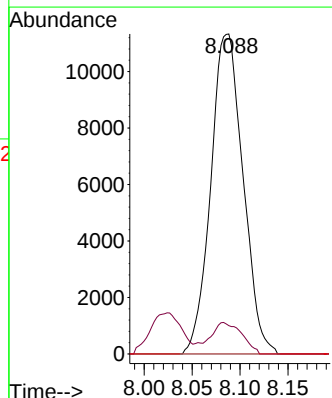
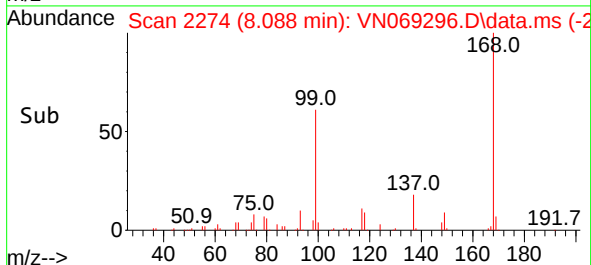
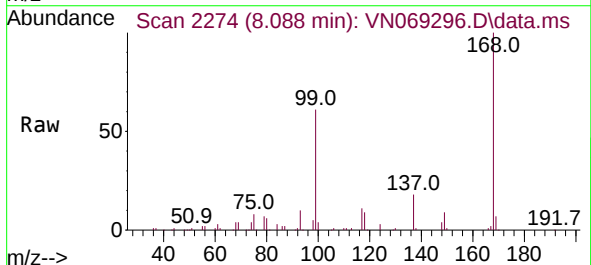


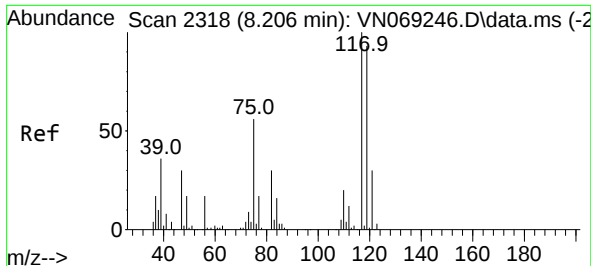
Tgt Ion:113 Resp: 161300
Ion Ratio Lower Upper
113 100
111 103.8 83.2 124.8
192 18.4 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.523 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

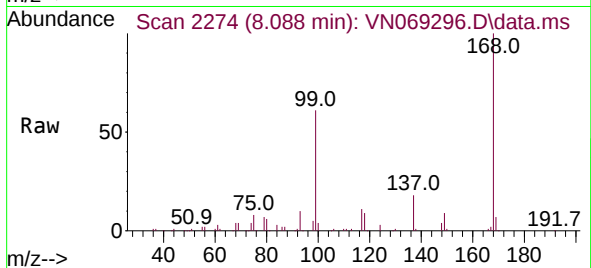
Tgt Ion: 75 Resp: 26506
Ion Ratio Lower Upper
75 100
110 9.1 17.9 53.8#
77 0.0 24.7 37.1#



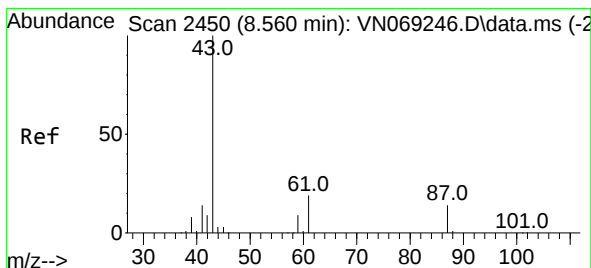
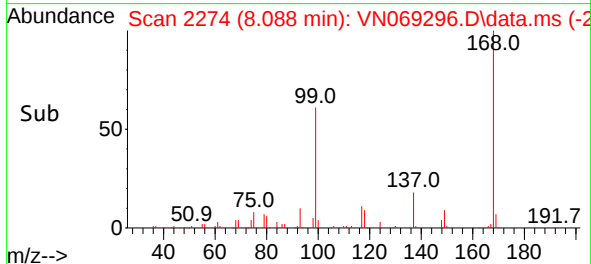
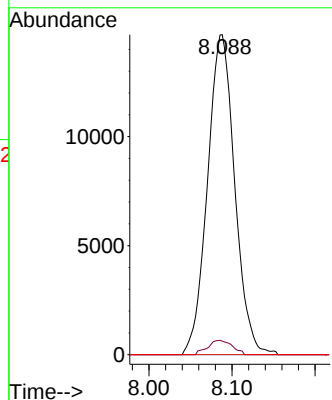


#38
Carbon Tetrachloride
Concen: 7.022 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

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MSVOA_N
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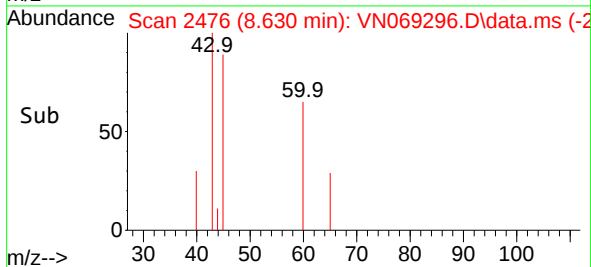
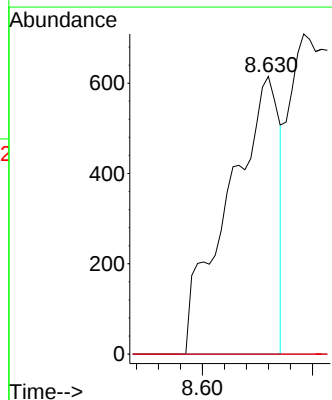
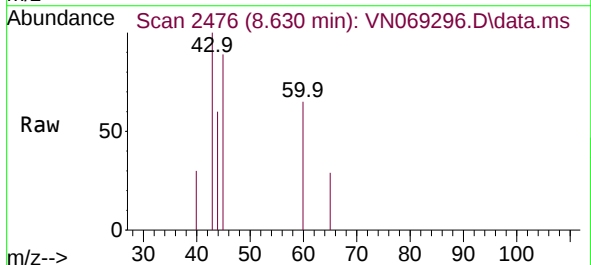


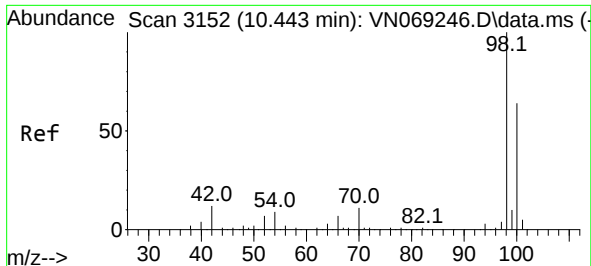
Tgt Ion:117 Resp: 33496
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.561 ug/l
RT: 8.630 min Scan# 2476
Delta R.T. 0.070 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

Tgt Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

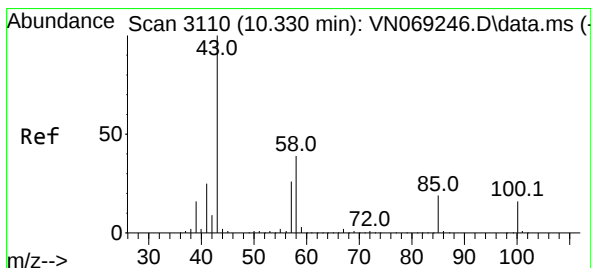
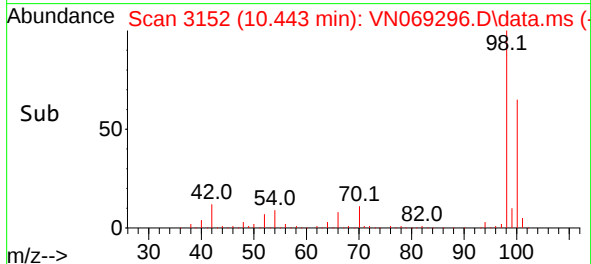
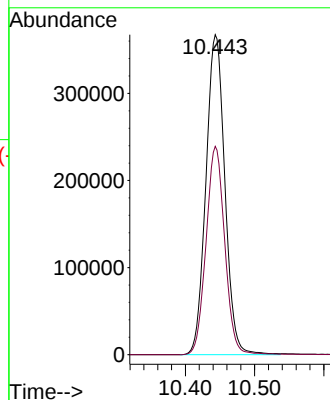
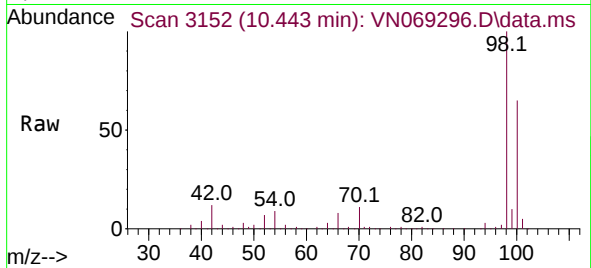




#50
Toluene-d8
Concen: 50.395 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

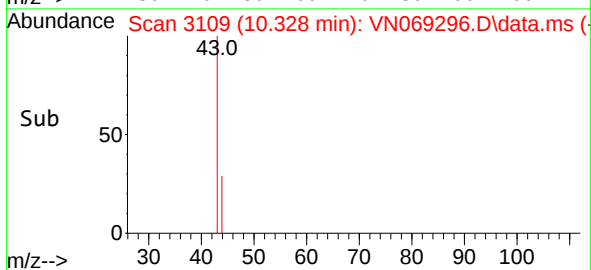
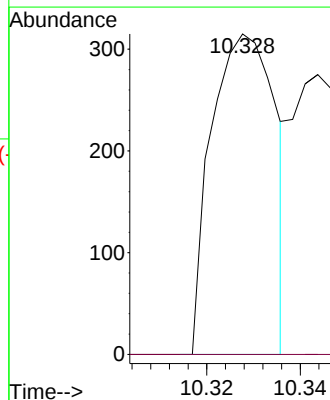
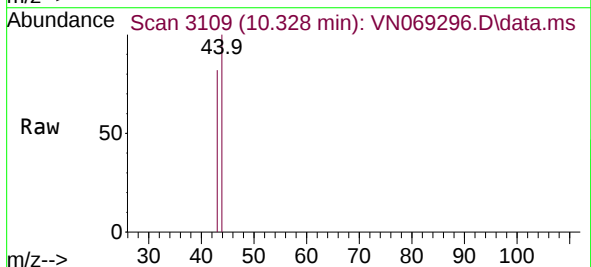
Instrument :
MSVOA_N
ClientSampleId :

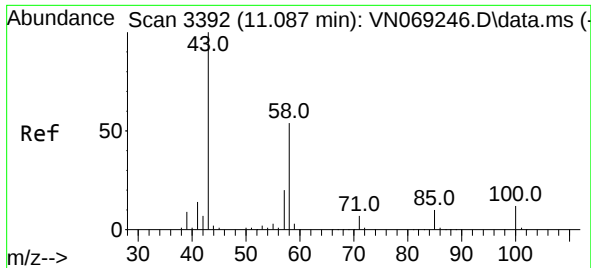
Tgt Ion: 98 Resp: 699260
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.449 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.002 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

Tgt Ion: 43 Resp: 299
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#

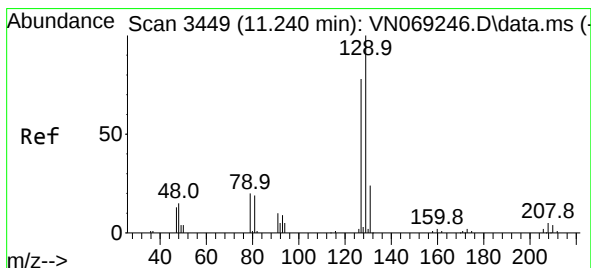
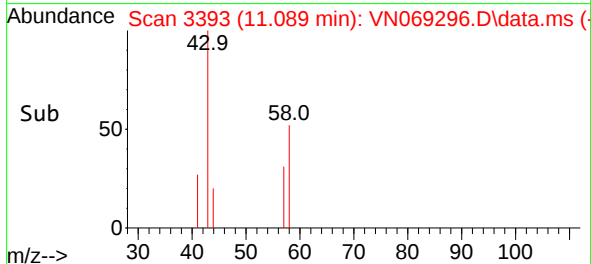
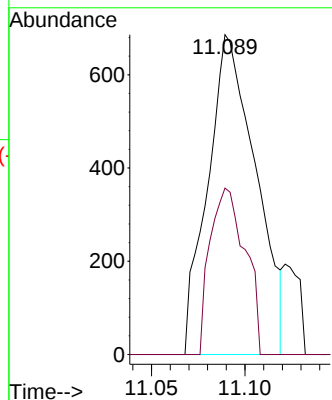
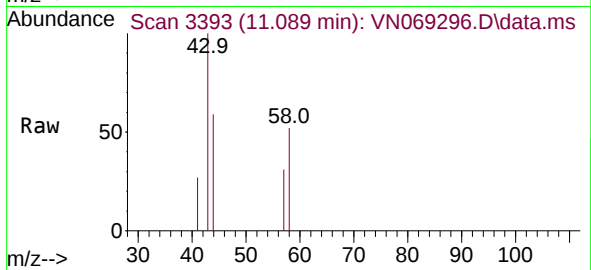




#59
2-Hexanone
Concen: 8.250 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

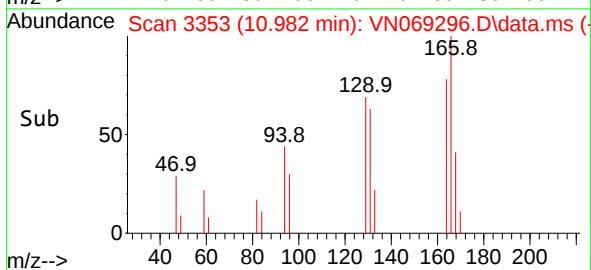
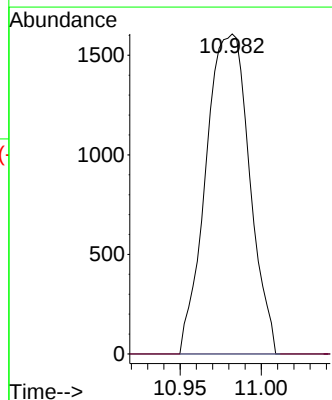
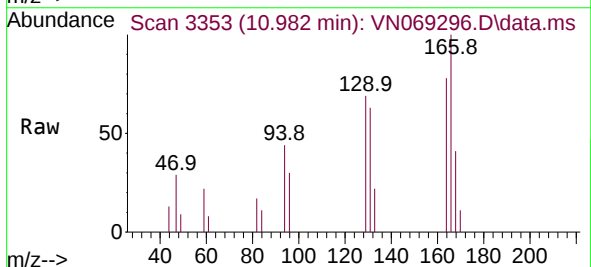
Instrument :
MSVOA_N
ClientSampleId :

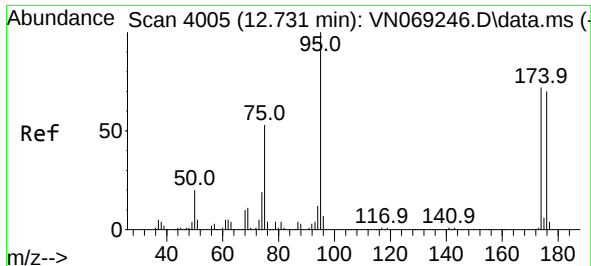
Tgt Ion: 43 Resp: 1224
Ion Ratio Lower Upper
43 100
58 38.1 26.9 80.7



#60
Dibromochloromethane
Concen: 2.643 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

Tgt Ion: 129 Resp: 3009
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

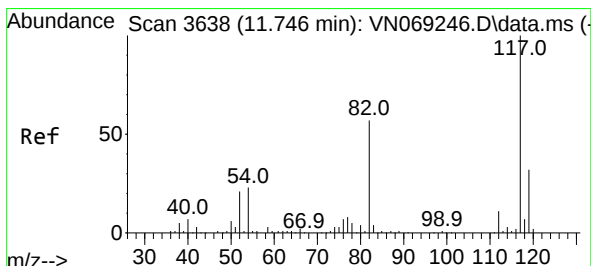
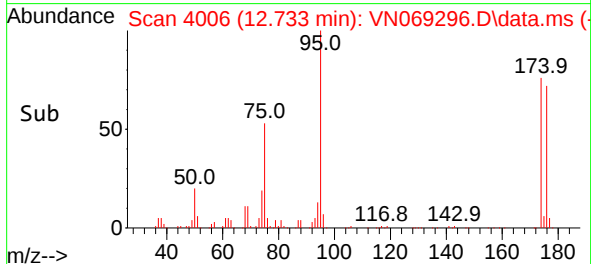
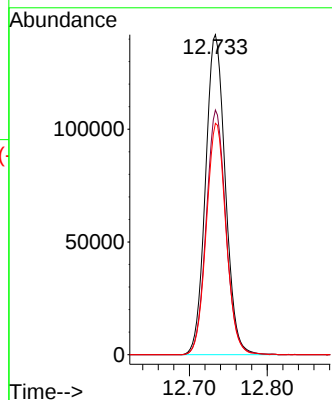
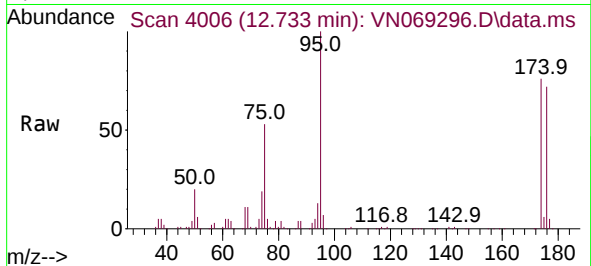




#62
4-Bromofluorobenzene
Concen: 47.952 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

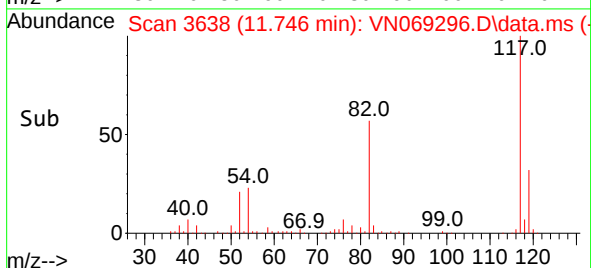
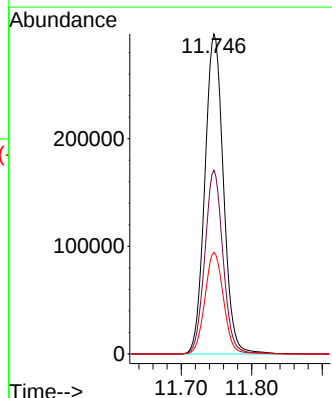
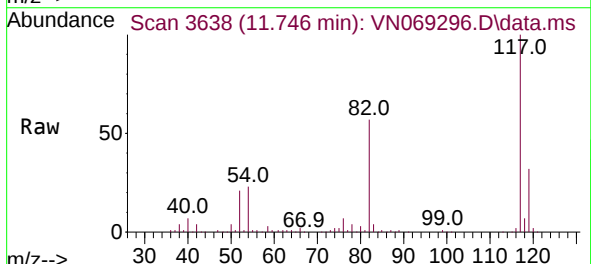
Instrument :
MSVOA_N
ClientSampleId :

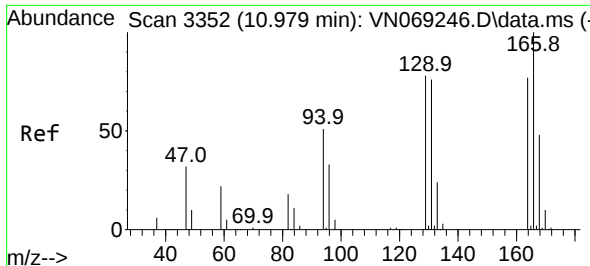
Tgt Ion: 95 Resp: 251078
Ion Ratio Lower Upper
95 100
174 75.8 0.0 144.8
176 72.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

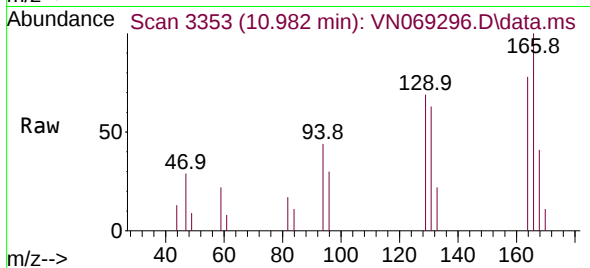
Tgt Ion: 117 Resp: 544090
Ion Ratio Lower Upper
117 100
82 57.4 46.4 69.6
119 31.8 26.0 39.0





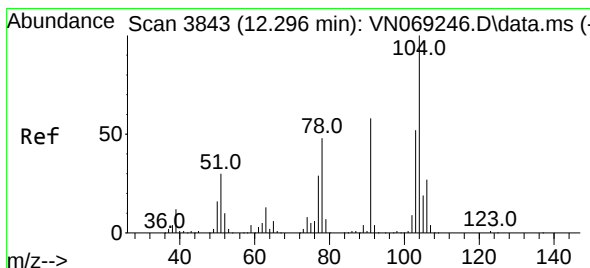
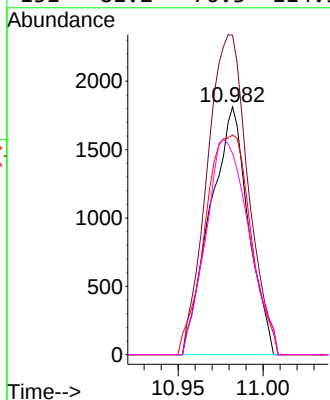
#64
Tetrachloroethene
Concen: 0.817 ug/l
RT: 10.982 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:164 Resp: 2840

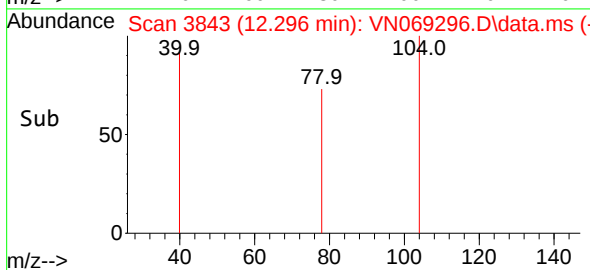
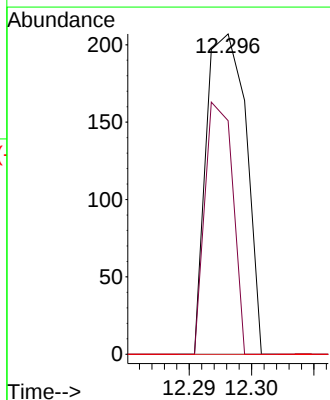
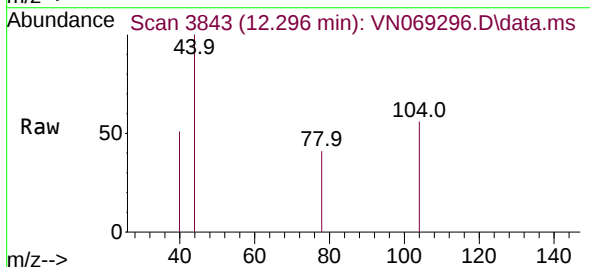
Ion	Ratio	Lower	Upper
164	100		
166	128.8	99.8	149.8
129	88.6	79.2	118.8
131	81.2	76.3	114.5

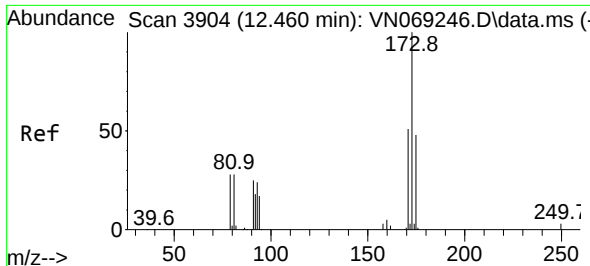


#70
Styrene
Concen: 1.463 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

Tgt Ion:104 Resp: 91

Ion	Ratio	Lower	Upper
104	100		
78	54.9	42.2	63.4
103	0.0	44.4	66.6#

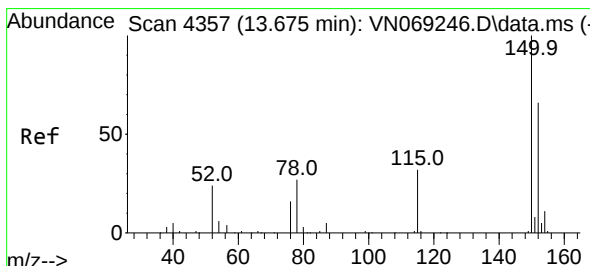
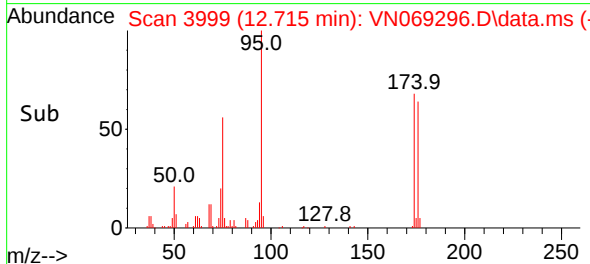
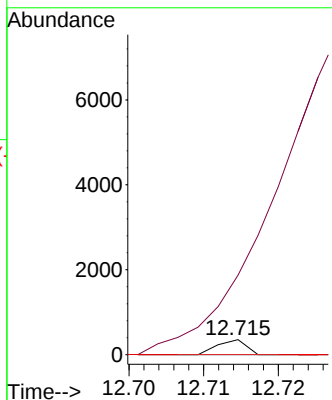
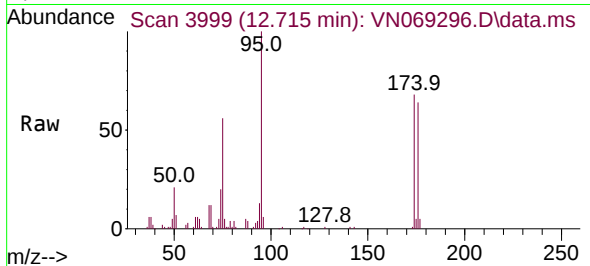




#71
Bromoform
Concen: 2.900 ug/l
RT: 12.715 min Scan# 3904
Delta R.T. 0.255 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

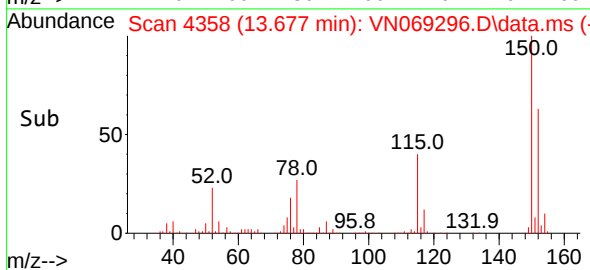
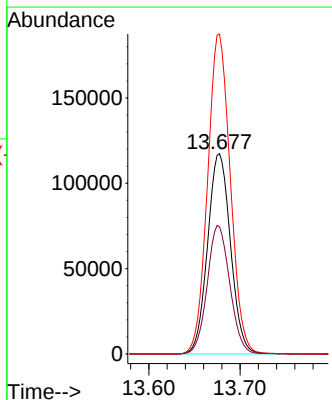
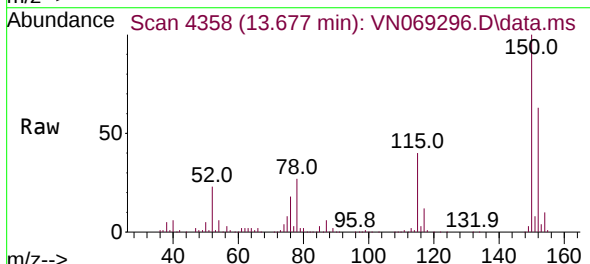
Instrument :
MSVOA_N
ClientSampleId :

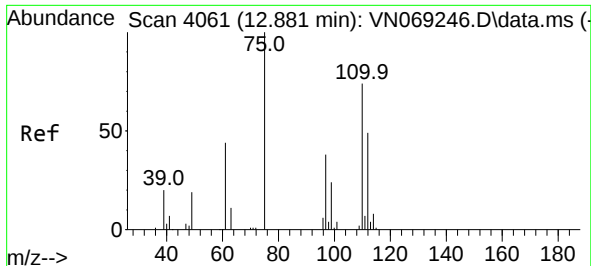
Tgt Ion:173 Resp: 95
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

Tgt Ion:152 Resp: 205063
Ion Ratio Lower Upper
152 100
115 63.1 31.4 94.3
150 158.4 0.0 351.0

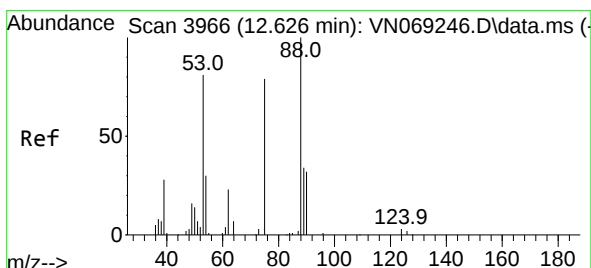
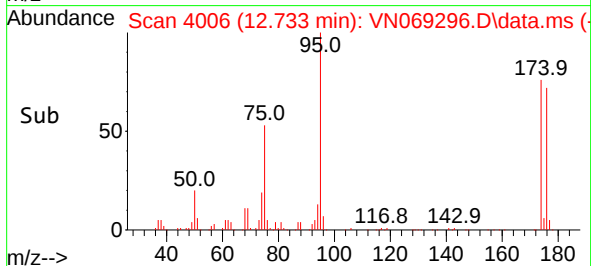
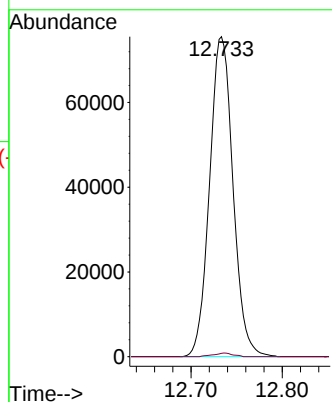
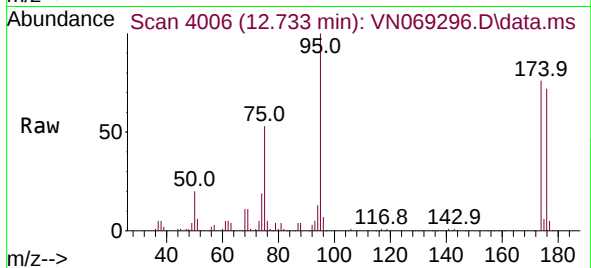




#76
1,2,3-Trichloropropane
Concen: 24.983 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

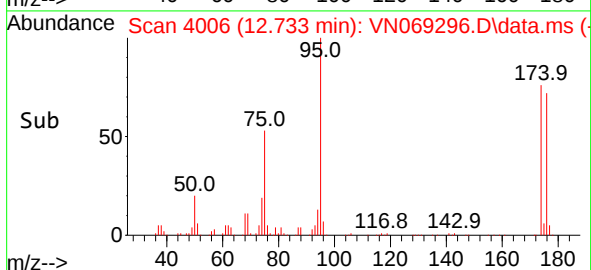
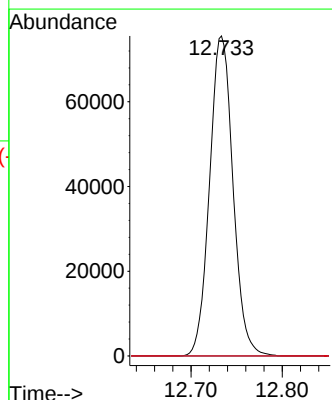
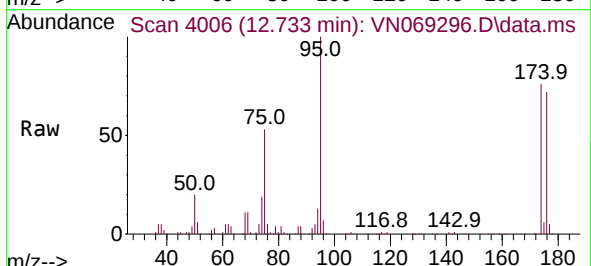
Instrument :
MSVOA_N
ClientSampleId :

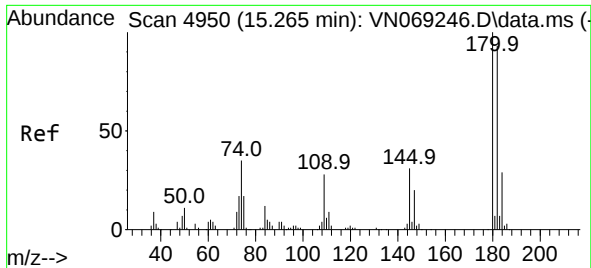
Tgt Ion: 75 Resp: 134741
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.558 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

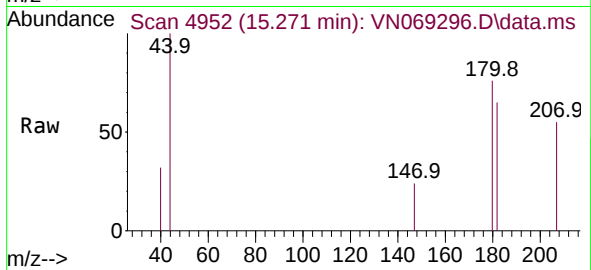
Tgt Ion: 75 Resp: 134741
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



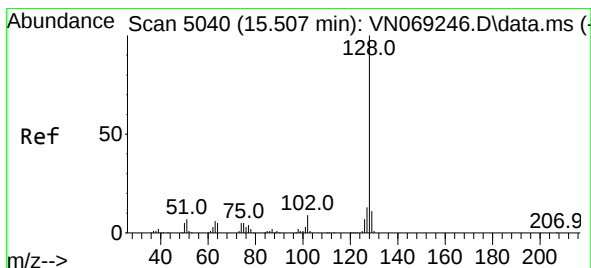
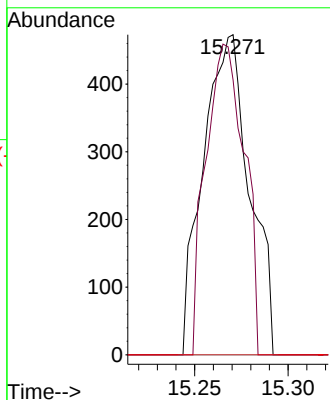
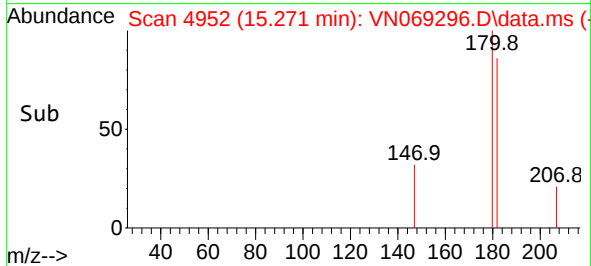


#93
1,2,4-Trichlorobenzene
Concen: 2.721 ug/l
RT: 15.271 min Scan# 4950
Delta R.T. 0.006 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04

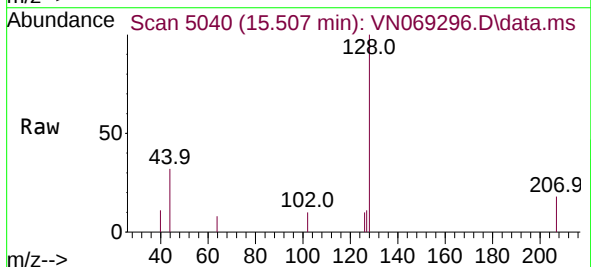
Instrument :
MSVOA_N
ClientSampleId :



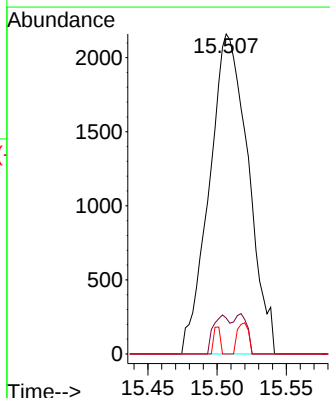
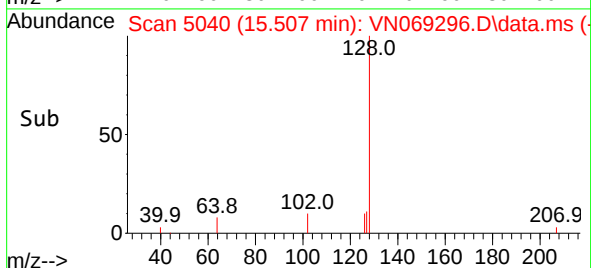
Tgt Ion:180 Resp: 818
Ion Ratio Lower Upper
180 100
182 80.1 47.9 143.7
145 0.0 16.4 49.2#

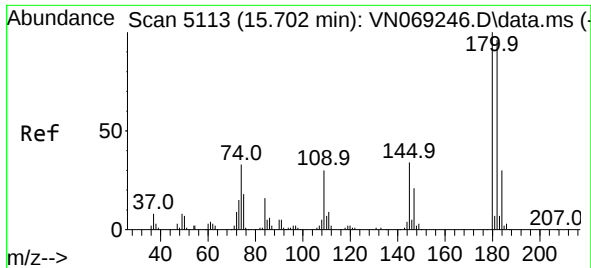


#95
Naphthalene
Concen: 3.691 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069296.D
Acq: 29 Oct 2021 13:04



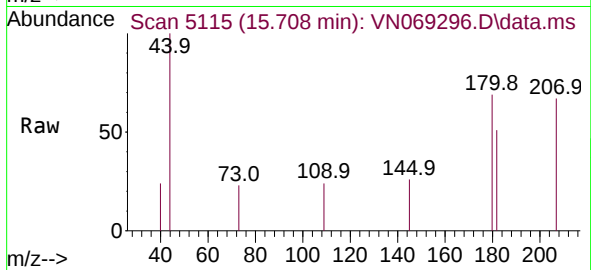
Tgt Ion:128 Resp: 4203
Ion Ratio Lower Upper
128 100
127 5.1 10.5 15.7#
129 1.4 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.411 ug/l
 RT: 15.708 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN069296.D
 Acq: 29 Oct 2021 13:04

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 696
 Ion Ratio Lower Upper
 180 100
 182 66.1 48.1 144.3
 145 11.6 17.4 52.2#

