

Data File : VN057059.D
Acq On : 2 Aug 2019 12:22
Operator : JC/SP
Sample : VN0802WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Quant Time: Aug 03 04:22:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	462924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	677391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	599002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	218708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	240466	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
35) Dibromofluoromethane	7.58	113	219728	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.08	98	821051	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.40	95	252457	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	95689	20.447	ug/l	99
3) Chloromethane	2.05	50	102731	18.332	ug/l	99
4) Vinyl Chloride	2.18	62	97576	18.569	ug/l	100
5) Bromomethane	2.55	94	60692	18.579	ug/l	98
6) Chloroethane	2.69	64	52226	18.030	ug/l	98
7) Trichlorofluoromethane	3.00	101	140270	20.393	ug/l	99
8) Diethyl Ether	3.40	74	52205	20.279	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82669	19.385	ug/l	99
10) Methyl Iodide	3.94	142	110533	19.397	ug/l	98
11) Tert butyl alcohol	4.77	59	68674	107.216	ug/l	99
12) 1,1-Dichloroethene	3.73	96	79276	19.483	ug/l	96
13) Acrolein	3.60	56	23888	70.906	ug/l	100
14) Allyl chloride	4.31	41	123795	18.703	ug/l	98
15) Acrylonitrile	4.97	53	192319	102.387	ug/l	97
16) Acetone	3.81	43	152158	88.633	ug/l	99
17) Carbon Disulfide	4.04	76	183828	17.001	ug/l	99
18) Methyl Acetate	4.31	43	106602	19.465	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	246629	20.327	ug/l	99
20) Methylene Chloride	4.54	84	94100	19.029	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	83167	19.245	ug/l	96
22) Diisopropyl ether	5.94	45	269616	19.770	ug/l	97
23) Vinyl Acetate	5.88	43	930241	98.448	ug/l	99
24) 1,1-Dichloroethane	5.83	63	158538	19.703	ug/l	99
25) 2-Butanone	6.82	43	231896	95.262	ug/l	99
26) 2,2-Dichloropropane	6.81	77	118650	19.393	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	99492	19.465	ug/l	100
28) Bromochloromethane	7.18	49	69999	18.508	ug/l	96
29) Tetrahydrofuran	7.20	42	155877	98.143	ug/l	99
30) Chloroform	7.36	83	160503	19.509	ug/l	99
31) Cyclohexane	7.64	56	142619	18.316	ug/l	94
32) 1,1,1-Trichloroethane	7.56	97	134198	20.444	ug/l	98
36) 1,1-Dichloropropene	7.78	75	112331	18.846	ug/l	98
37) Ethyl Acetate	6.92	43	94775	19.853	ug/l	98
38) Carbon Tetrachloride	7.76	117	113514	20.133	ug/l	95

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	137850	18.095	ug/l	97
40) Benzene	8.03	78	364559	19.858	ug/l	100
41) Methacrylonitrile	7.16	41	47501	21.524	ug/l	90
42) 1,2-Dichloroethane	8.11	62	117256	20.379	ug/l	99
43) Isopropyl Acetate	8.16	43	154545	19.586	ug/l	93
44) Trichloroethene	8.82	130	102289	20.224	ug/l	96
45) 1,2-Dichloropropane	9.11	63	97272	19.809	ug/l	98
46) Dibromomethane	9.20	93	61505	20.769	ug/l	98
47) Bromodichloromethane	9.39	83	116479	20.005	ug/l	99
48) Methyl methacrylate	9.19	41	73803	19.374	ug/l	96
49) 1,4-Dioxane	9.19	88	32330	411.820	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	468966	100.031	ug/l	100
52) Toluene	10.15	92	222306	20.154	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	120841	20.000	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	139371	19.839	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	87782	19.845	ug/l	96
56) Ethyl methacrylate	10.42	69	121108	19.252	ug/l	100
57) 1,3-Dichloropropane	10.70	76	146876	20.024	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	193730	73.085	ug/l	97
59) 2-Hexanone	10.74	43	322904	91.044	ug/l	99
60) Dibromochloromethane	10.90	129	94549	20.863	ug/l	100
61) 1,2-Dibromoethane	11.00	107	90835	21.042	ug/l	98
64) Tetrachloroethene	10.63	164	104679	20.279	ug/l	97
65) Chlorobenzene	11.43	112	237360	19.442	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	93282	20.300	ug/l	99
67) Ethyl Benzene	11.51	91	406875	19.283	ug/l	98
68) m/p-Xylenes	11.62	106	304591	39.115	ug/l	100
69) o-Xylene	11.94	106	150664	19.776	ug/l	99
70) Styrene	11.96	104	240116	19.033	ug/l	100
71) Bromoform	12.12	173	64415	20.079	ug/l #	99
73) Isopropylbenzene	12.25	105	404372	21.393	ug/l	100
74) N-amyl acetate	12.07	43	114456	20.854	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	114689	22.606	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	134606	30.306	ug/l #	100
77) Bromobenzene	12.52	156	104690	21.222	ug/l	98
78) n-propylbenzene	12.59	91	411386	20.384	ug/l	99
79) 2-Chlorotoluene	12.67	91	257258	20.701	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	338143	21.797	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	28687	20.752	ug/l	96
82) 4-Chlorotoluene	12.77	91	234869	20.196	ug/l	99
83) tert-Butylbenzene	12.99	119	303081	22.069	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	317771	21.288	ug/l	99
85) sec-Butylbenzene	13.17	105	369385	20.853	ug/l	99
86) p-Isopropyltoluene	13.29	119	325992	20.728	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	147075	19.600	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	138203	19.131	ug/l	100
89) n-Butylbenzene	13.61	91	224718	18.540	ug/l	99
90) Hexachloroethane	13.87	117	57503	21.234	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	151182	20.470	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15271	20.313	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080219\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48611	14.779	ug/l	98
94) Hexachlorobutadiene	15.00	225	62458	22.376	ug/l	98
95) Naphthalene	15.12	128	117461	15.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	57276	16.317	ug/l	98

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

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Sample : VN0802WBSD01

Misc : 5.00mL/MSVOA N/WATER

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ALS Vial      : 10      Sample Multiplier: 1
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Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

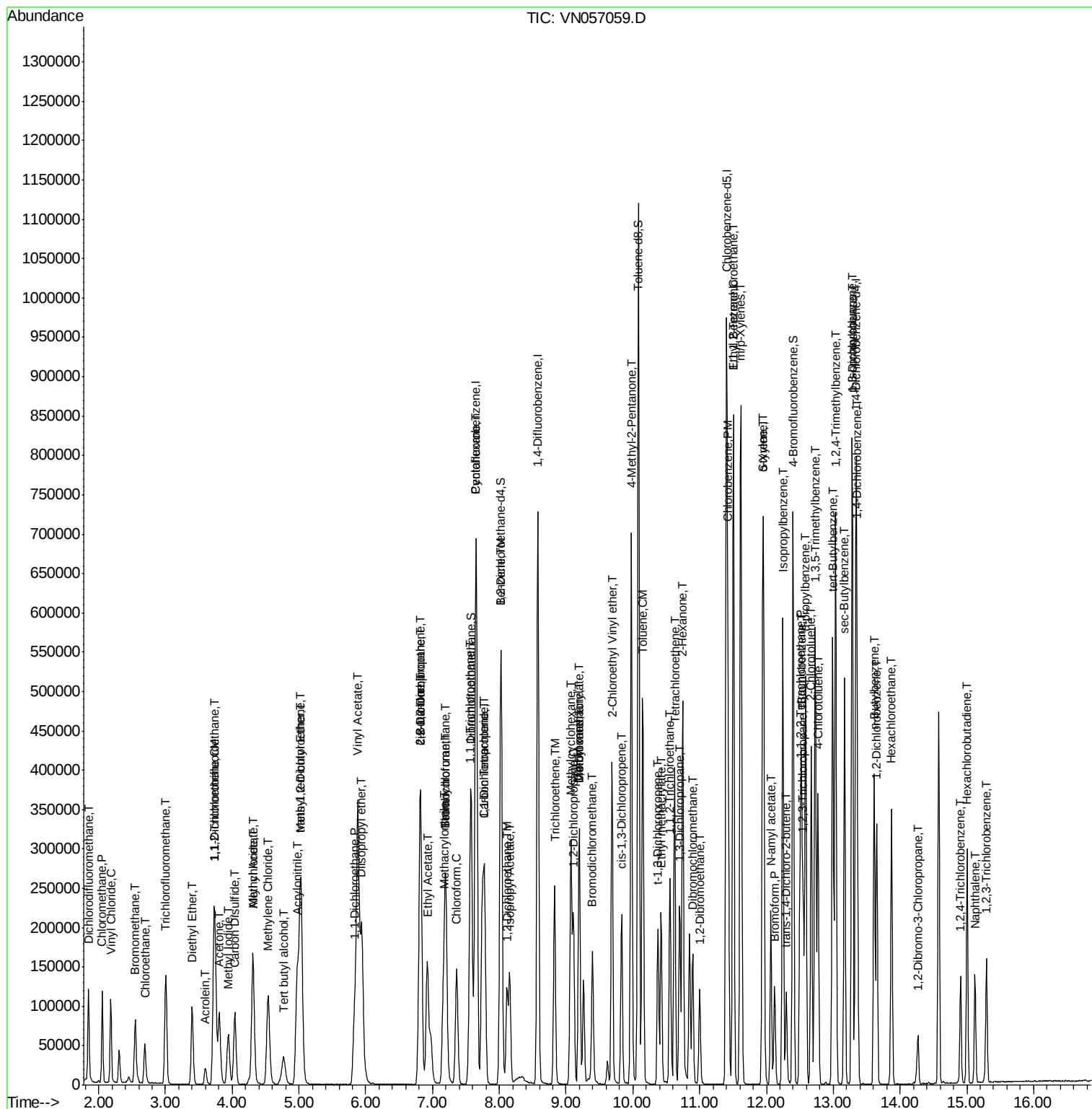
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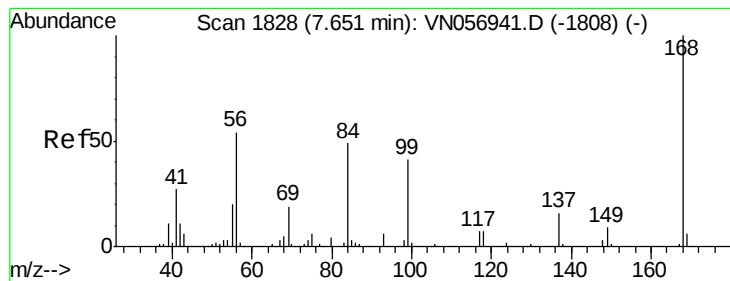
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Quant Title : SW846 8260

QLast Update : Sat Jul 27 01:33:29 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

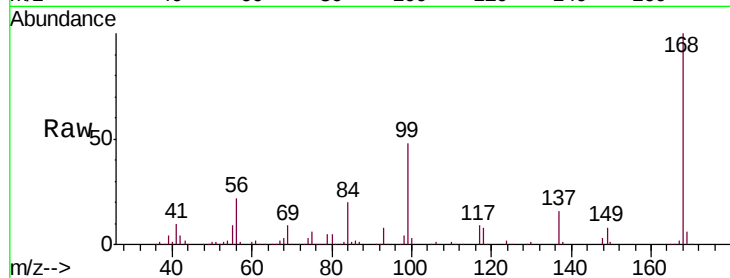
VN0802WBSD01

Tgt Ion:168 Resp: 462924

Ion Ratio Lower Upper

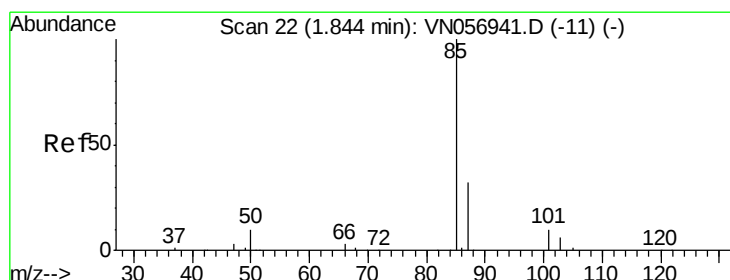
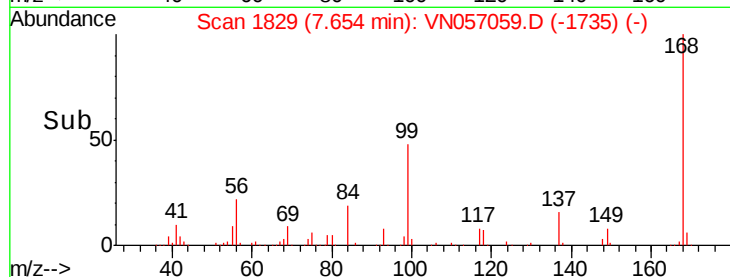
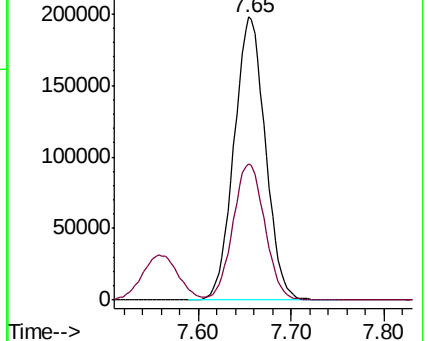
168 100

99 48.2 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.447 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057059.D

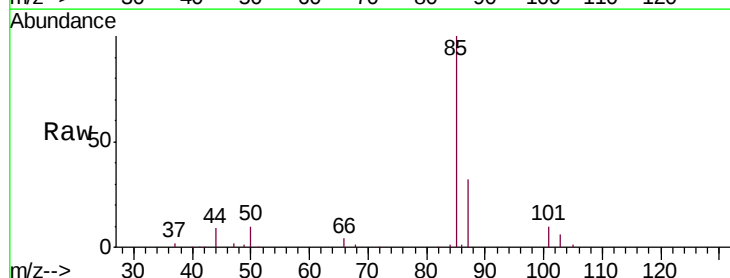
Acq: 2 Aug 2019 12:22

Tgt Ion: 85 Resp: 95689

Ion Ratio Lower Upper

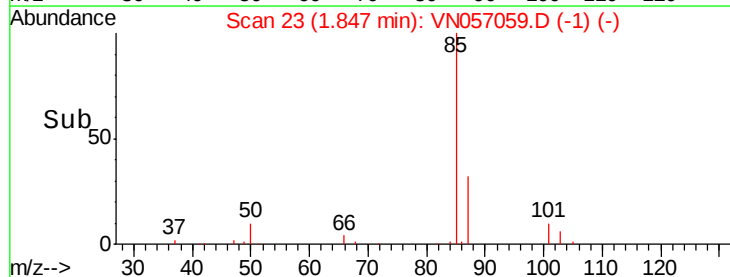
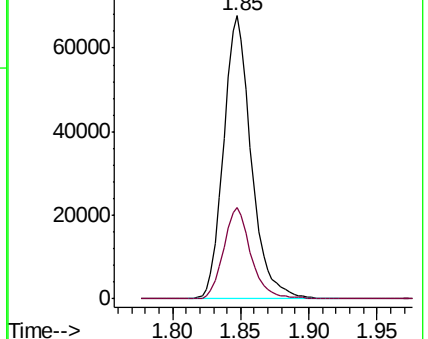
85 100

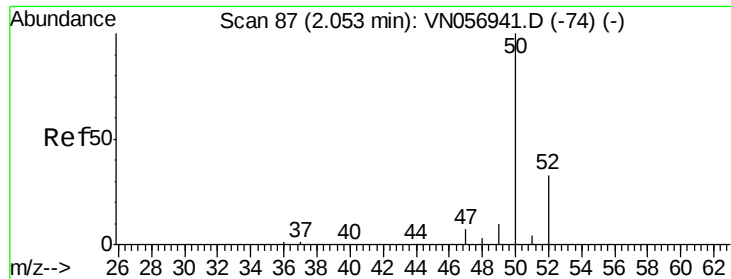
87 32.1 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.332 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

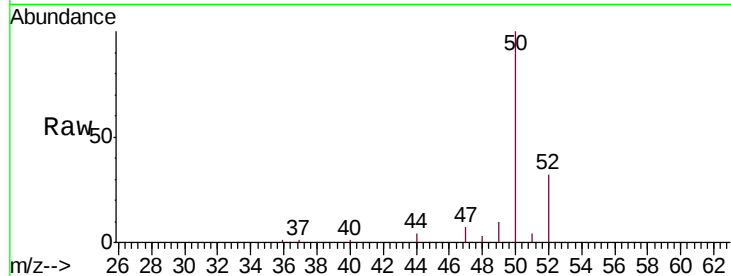
VN0802WBSD01

Tgt Ion: 50 Resp: 102731

Ion Ratio Lower Upper

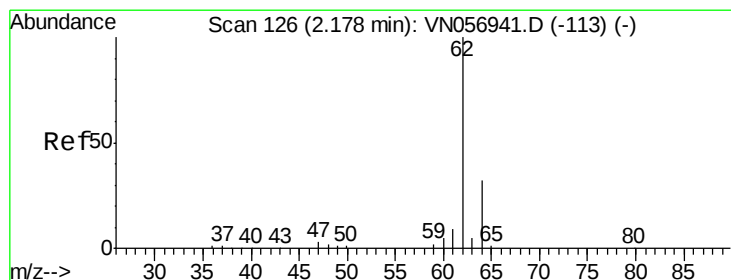
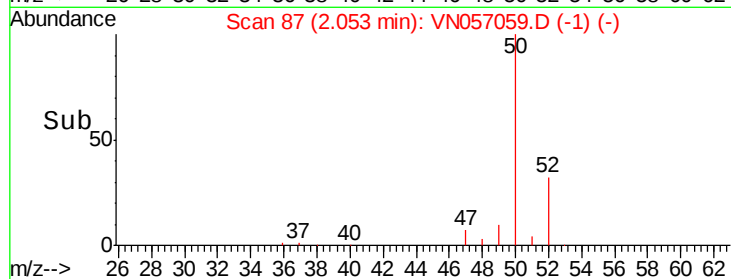
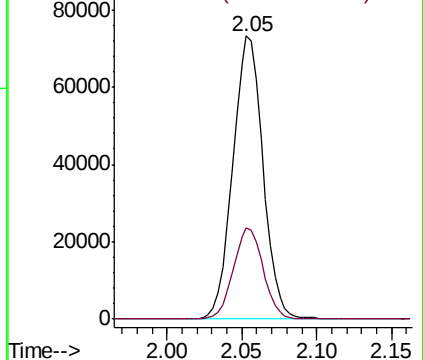
50 100

52 32.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.569 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057059.D

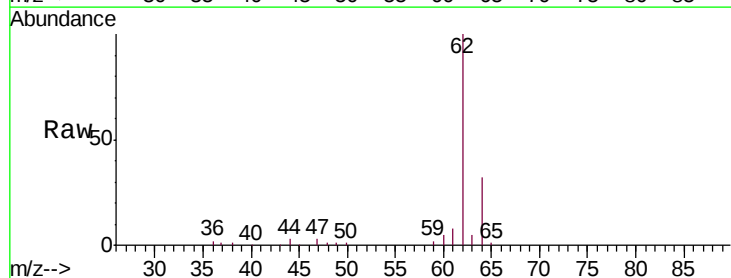
Acq: 2 Aug 2019 12:22

Tgt Ion: 62 Resp: 97576

Ion Ratio Lower Upper

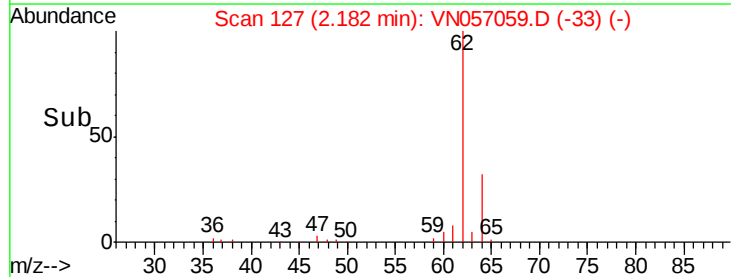
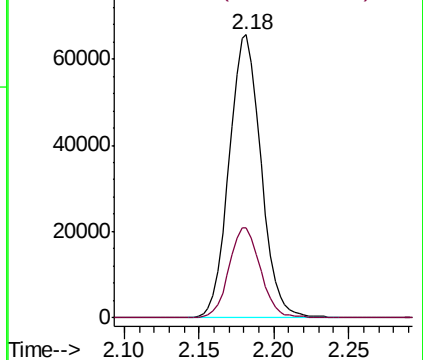
62 100

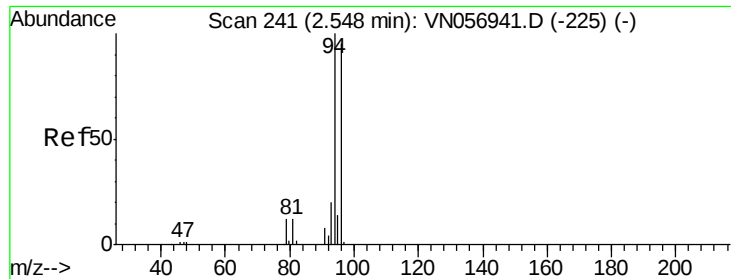
64 31.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.579 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

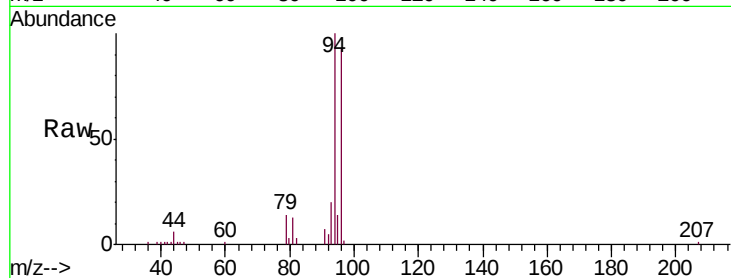
VN0802WBSD01

Tgt Ion: 94 Resp: 60692

Ion Ratio Lower Upper

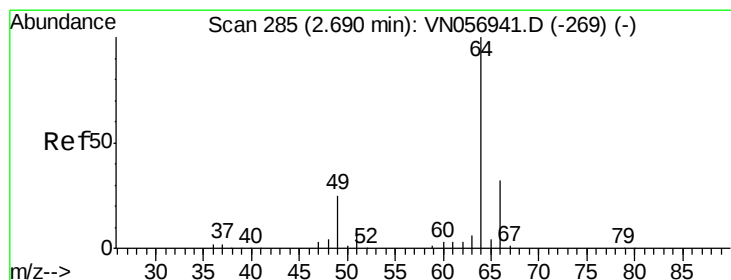
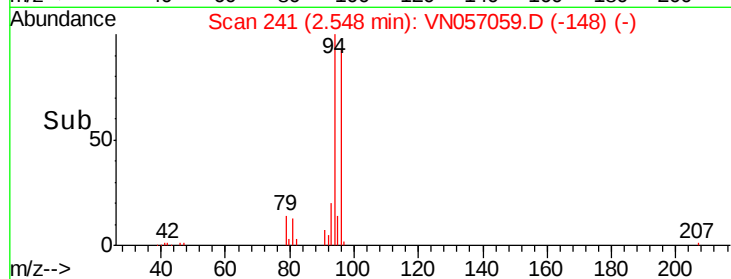
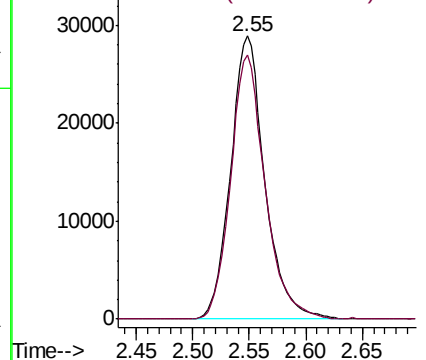
94 100

96 93.2 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.030 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN057059.D

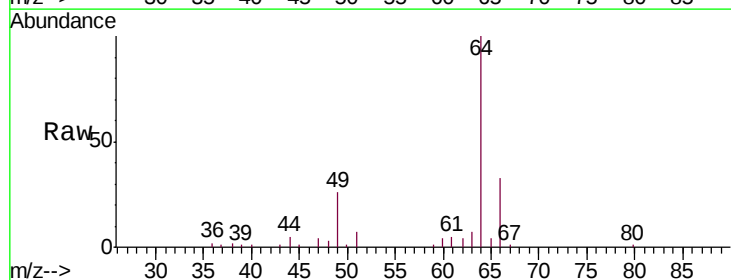
Acq: 2 Aug 2019 12:22

Tgt Ion: 64 Resp: 52226

Ion Ratio Lower Upper

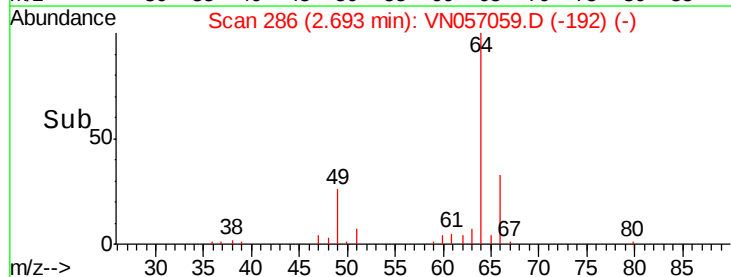
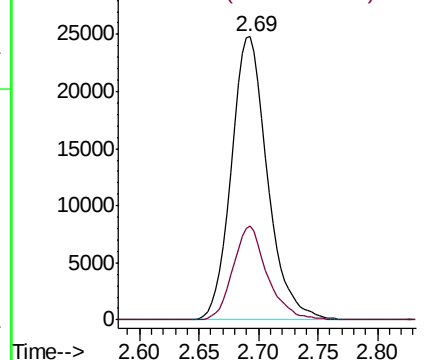
64 100

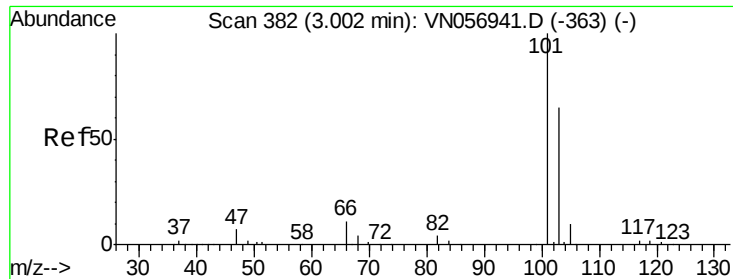
66 33.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



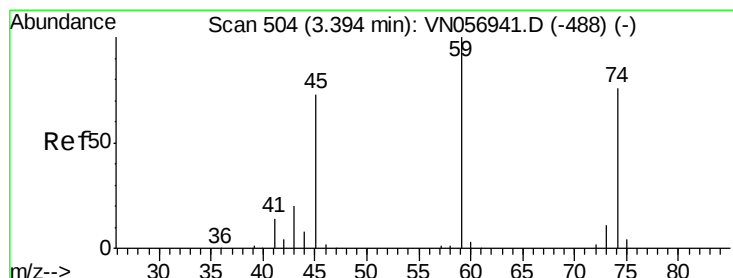
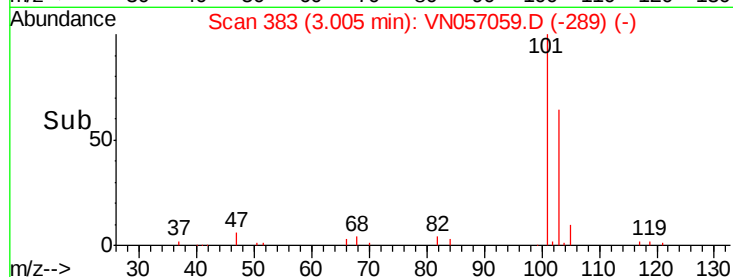
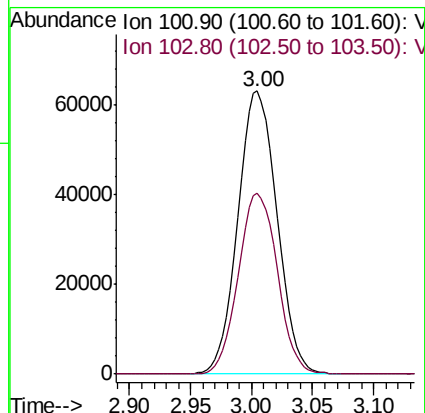
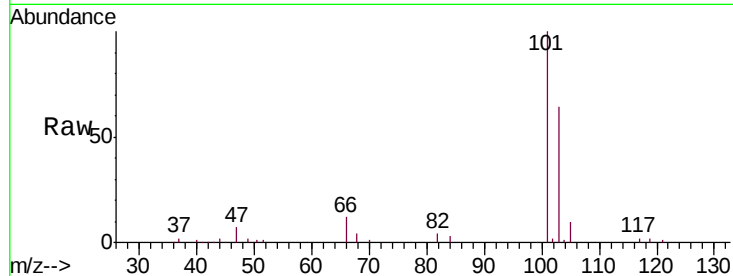


#7

Trichlorofluoromethane
 Concen: 20.393 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN057059.D
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Instrument :
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 VN0802WBSD01

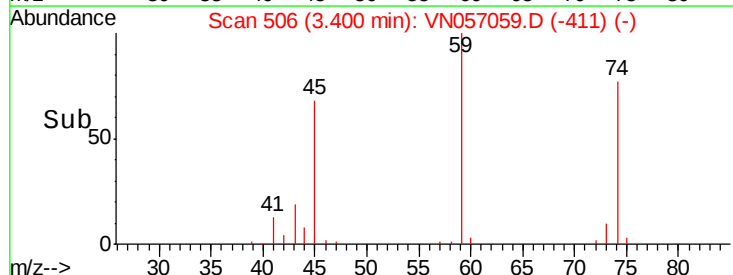
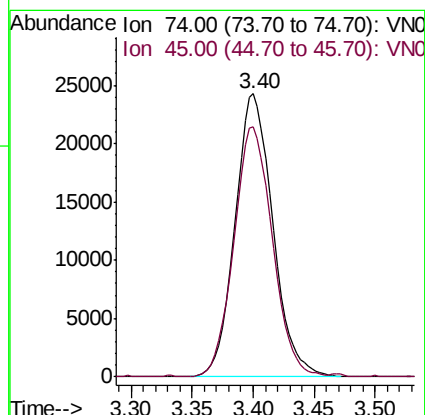
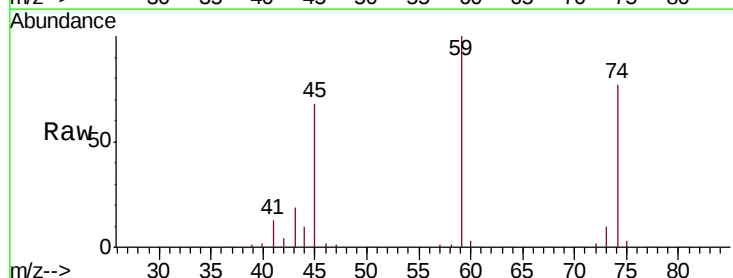
Tgt Ion:101 Resp: 140270
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.1 78.1

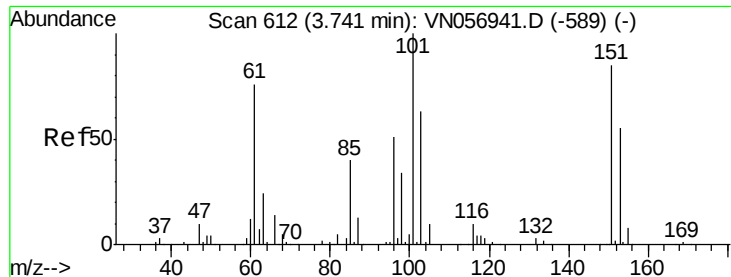


#8

Diethyl Ether
 Concen: 20.279 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion: 74 Resp: 52205
 Ion Ratio Lower Upper
 74 100
 45 89.9 48.1 144.3

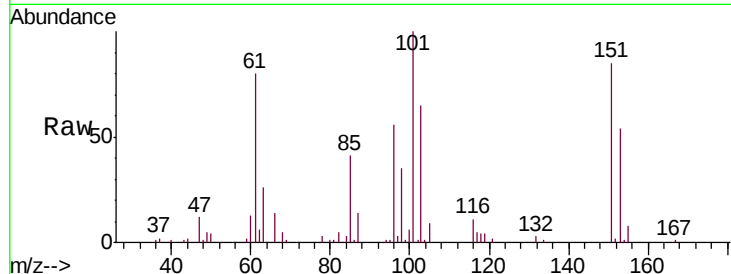




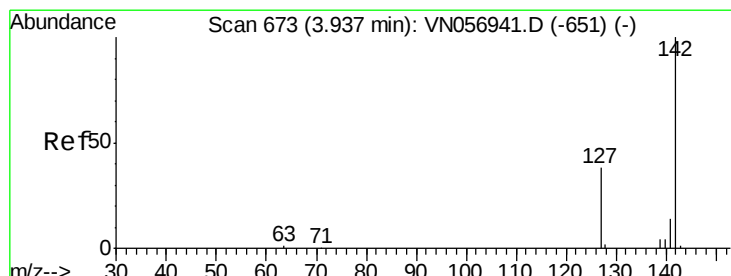
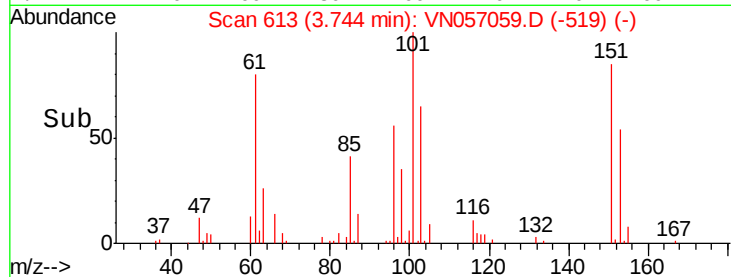
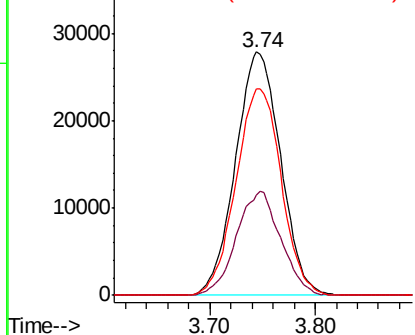
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.385 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tgt Ion:	101	Resp:	82669
Ion	Ratio	Lower	Upper
101	100		
85	41.9	32.3	48.5
151	85.5	68.0	102.0

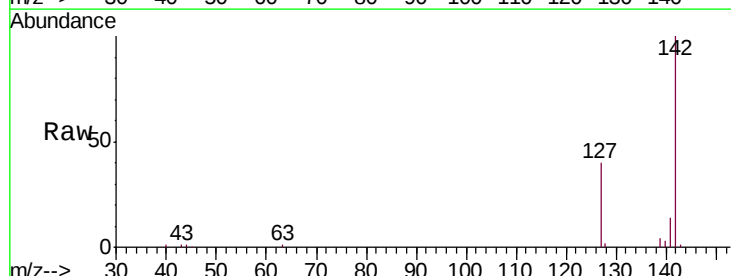


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

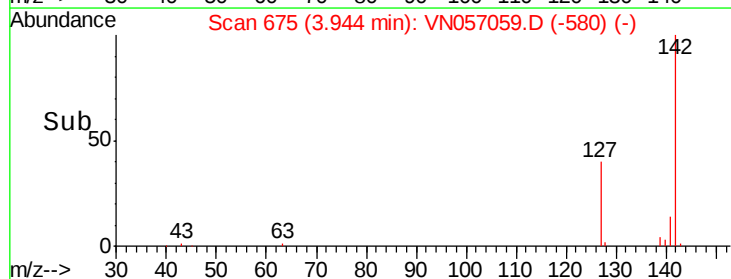
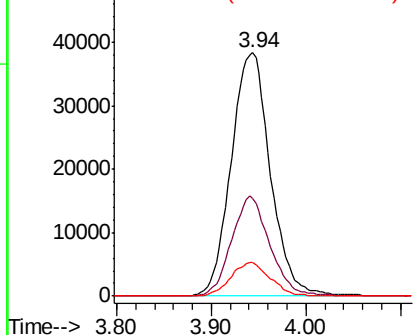


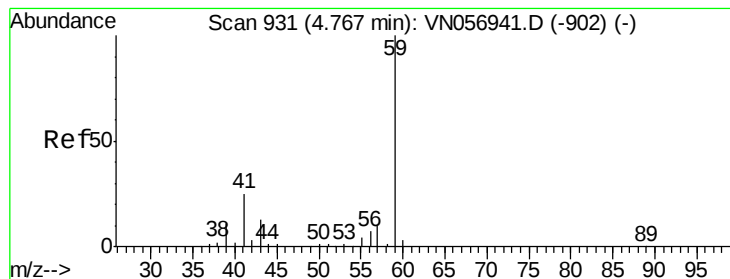
#10
 Methyl Iodide
 Concen: 19.397 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. 0.01 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion:	142	Resp:	110533
Ion	Ratio	Lower	Upper
142	100		
127	39.8	30.4	45.6
141	13.7	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



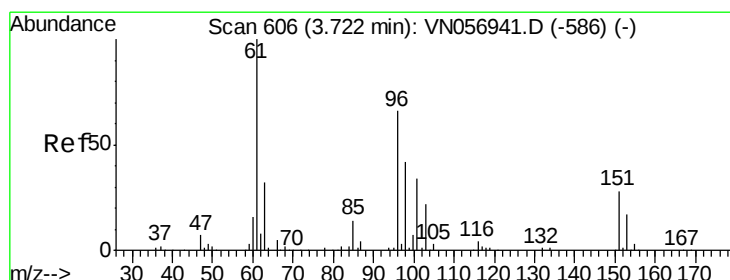
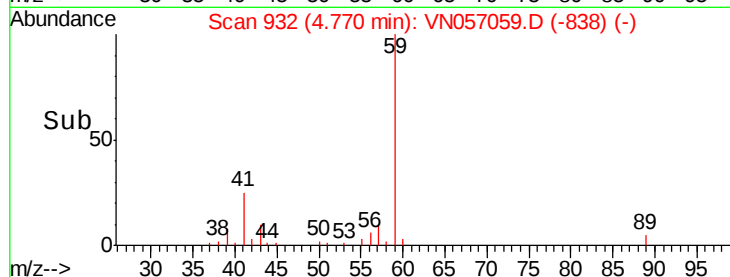
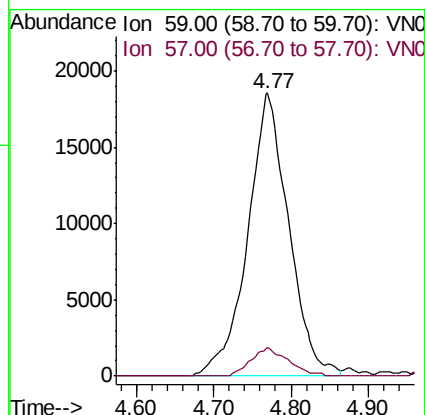
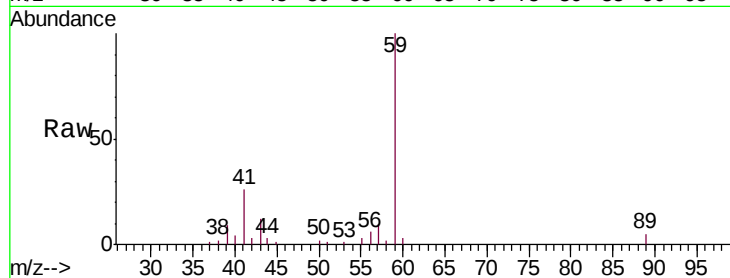


#11

Tert butyl alcohol
 Concen: 107.216 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

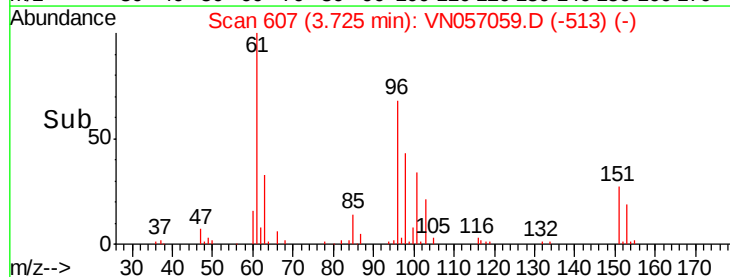
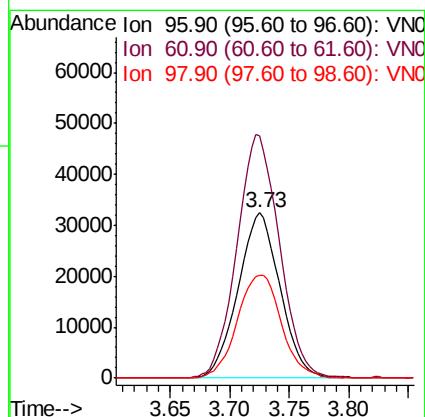
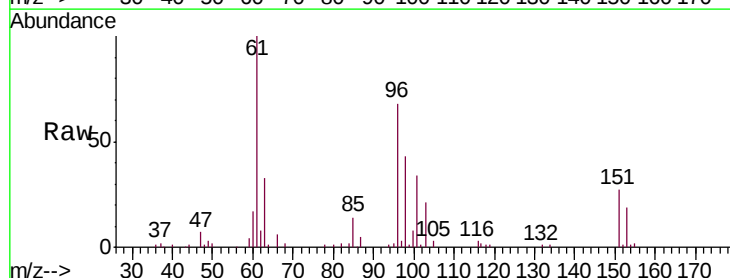
Tgt Ion: 59 Resp: 68674
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.5 11.3

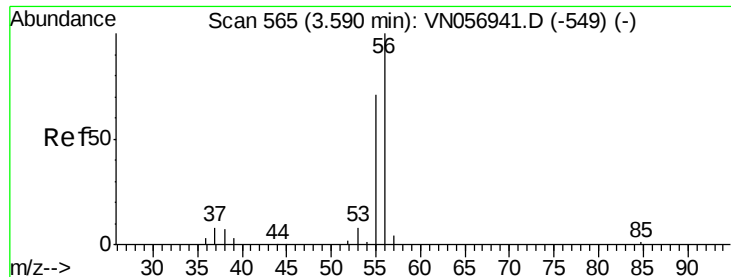


#12

1,1-Dichloroethene
 Concen: 19.483 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion: 96 Resp: 79276
 Ion Ratio Lower Upper
 96 100
 61 146.3 121.8 182.8
 98 62.4 51.7 77.5





#13

Acrolein

Concen: 70.906 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

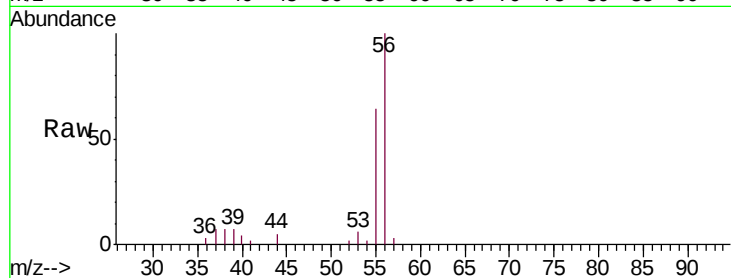
VN0802WBSD01

Tgt Ion: 56 Resp: 23888

Ion Ratio Lower Upper

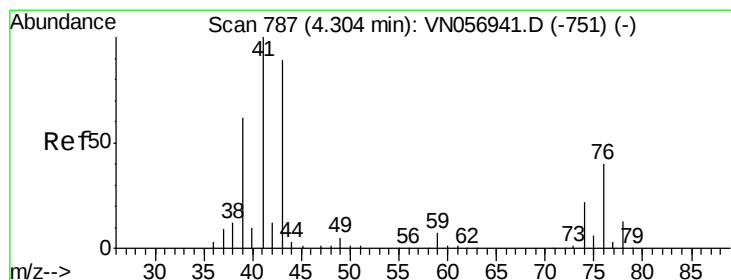
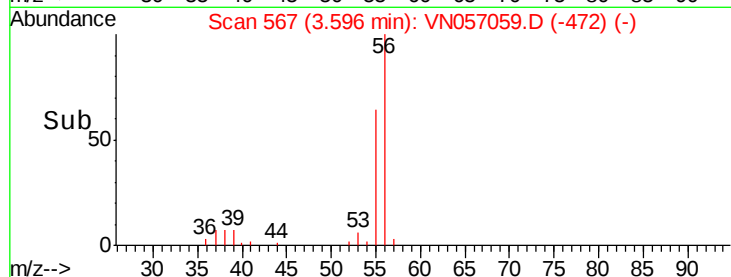
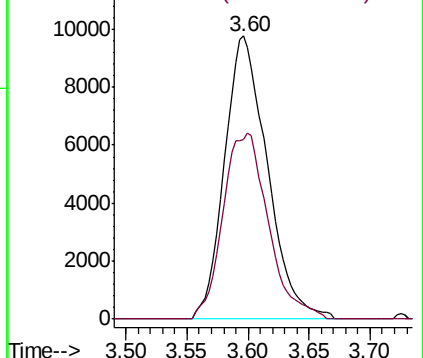
56 100

55 69.4 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.703 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

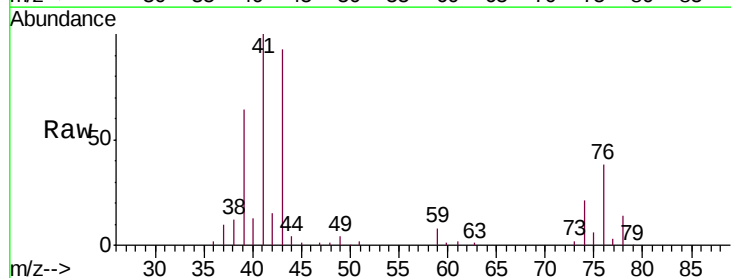
Tgt Ion: 41 Resp: 123795

Ion Ratio Lower Upper

41 100

39 60.2 46.4 69.6

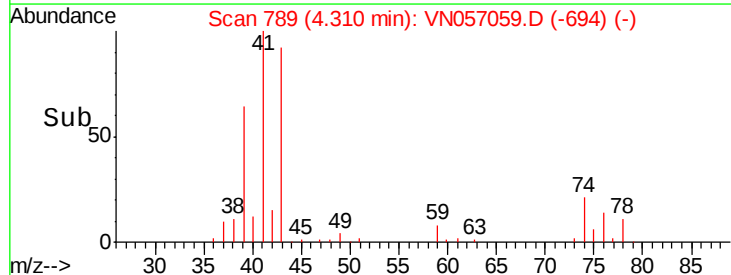
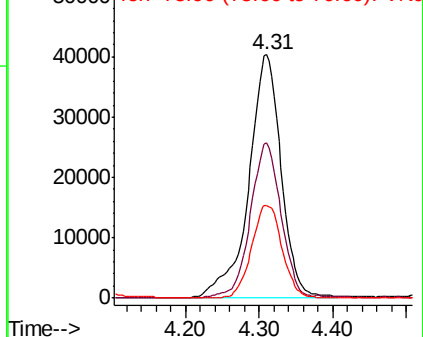
76 35.7 28.4 42.6

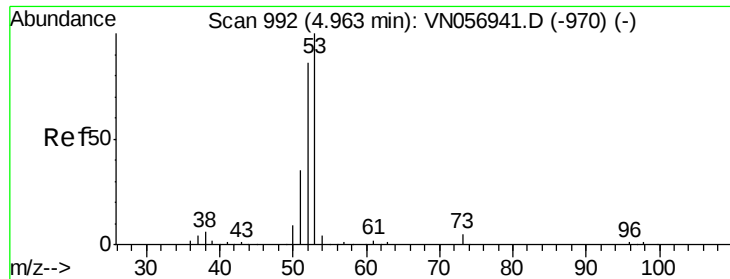


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.387 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

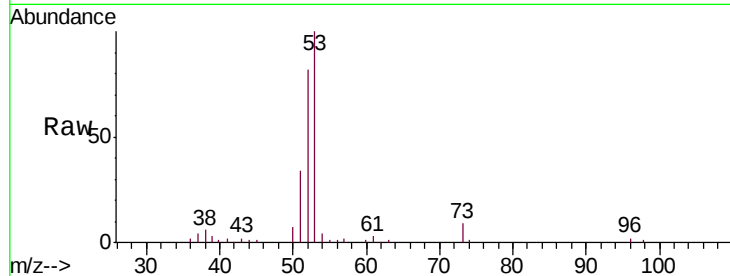
Tgt Ion: 53 Resp: 192319

Ion Ratio Lower Upper

53 100

52 80.5 66.5 99.7

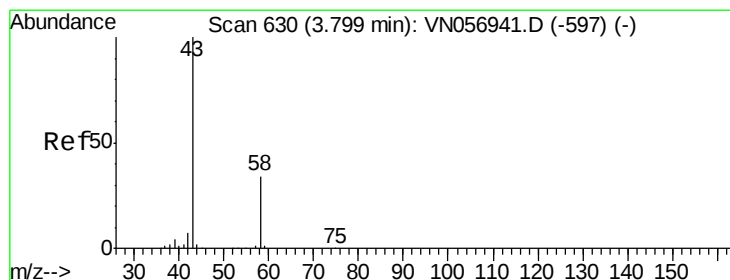
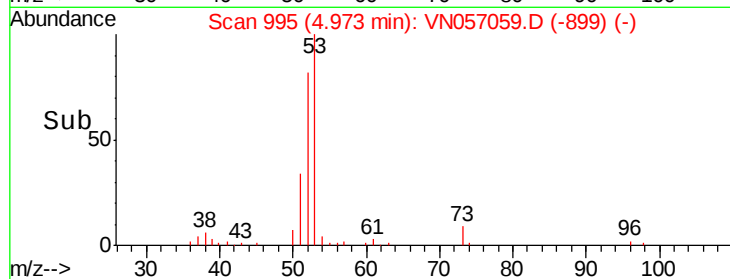
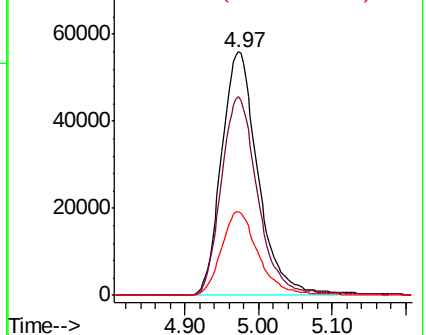
51 34.6 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 88.633 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057059.D

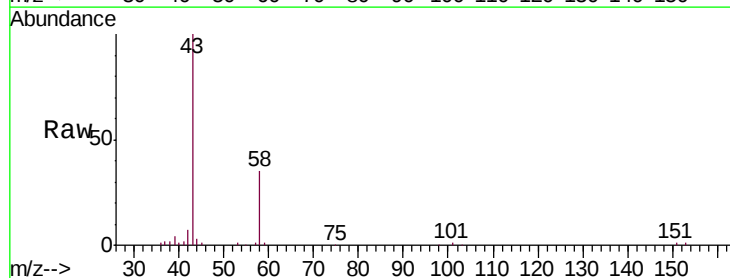
Acq: 2 Aug 2019 12:22

Tgt Ion: 43 Resp: 152158

Ion Ratio Lower Upper

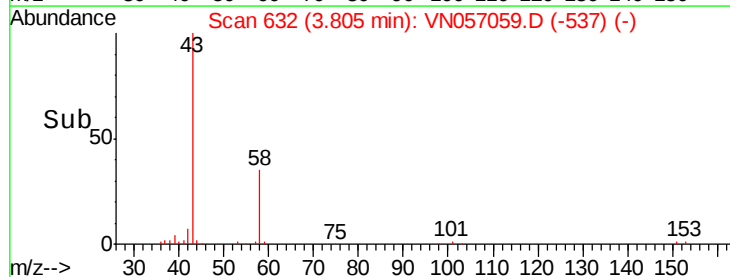
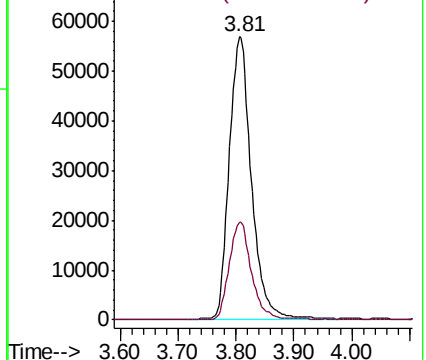
43 100

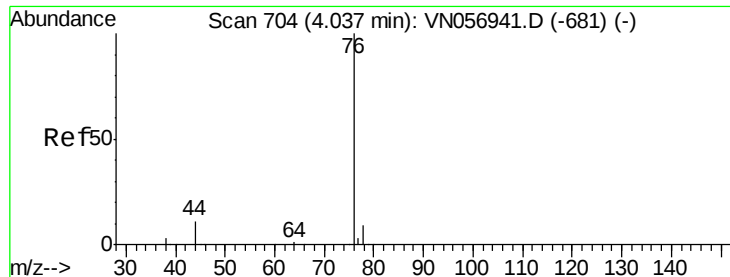
58 34.6 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

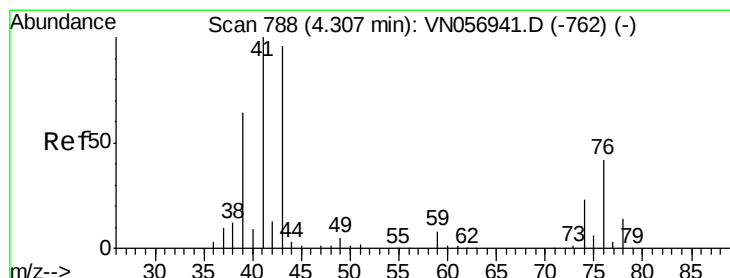
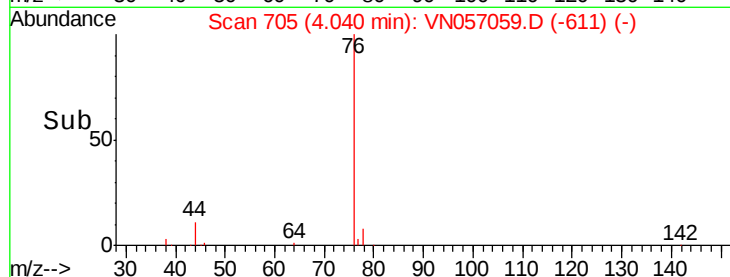
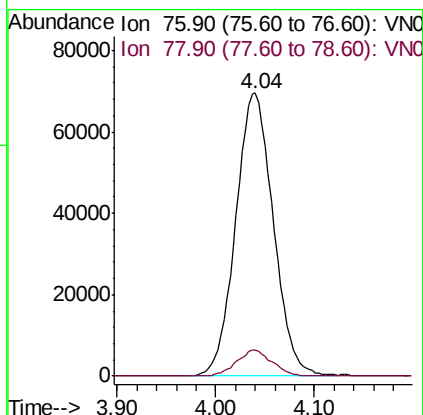
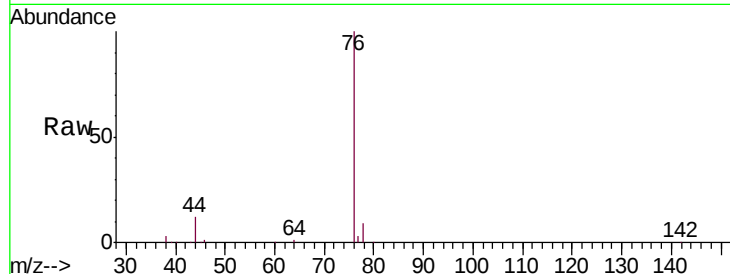




#17
Carbon Disulfide
Concen: 17.001 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

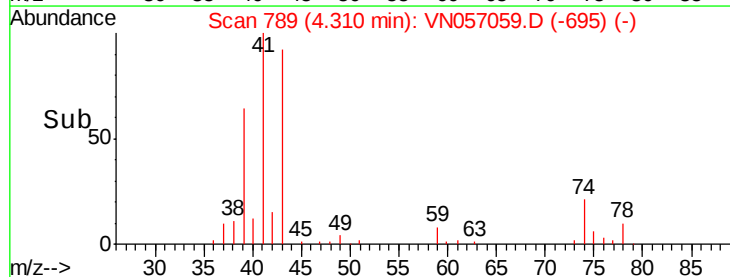
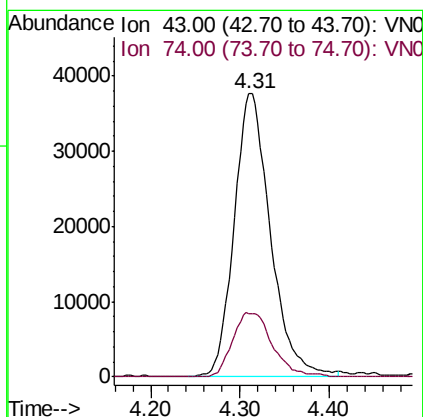
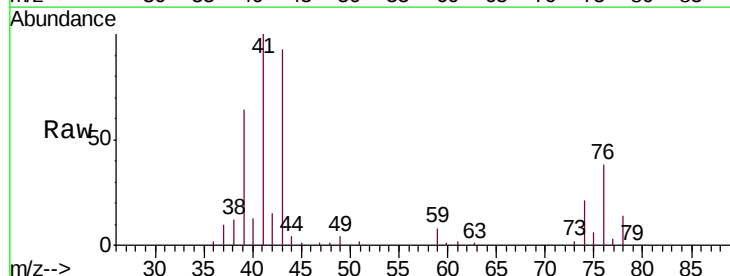
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

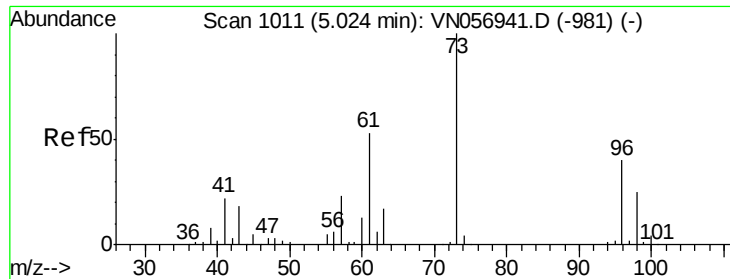
Tgt Ion: 76 Resp: 183828
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 19.465 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion: 43 Resp: 106602
Ion Ratio Lower Upper
43 100
74 24.5 19.7 29.5

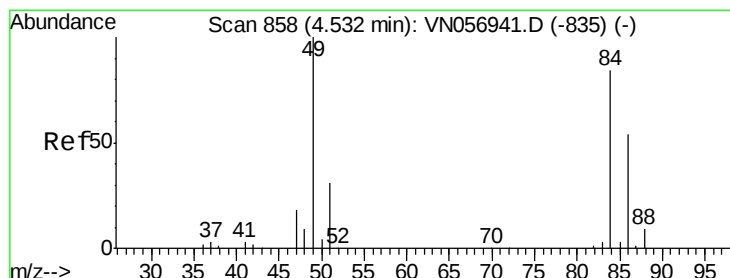
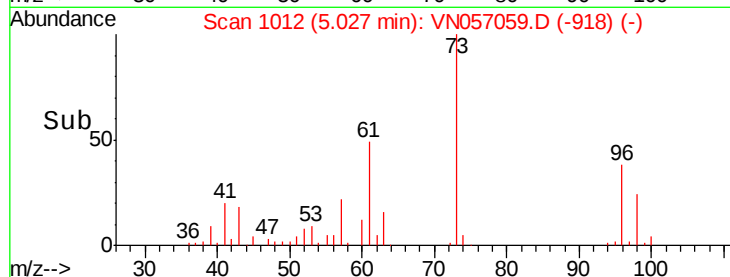
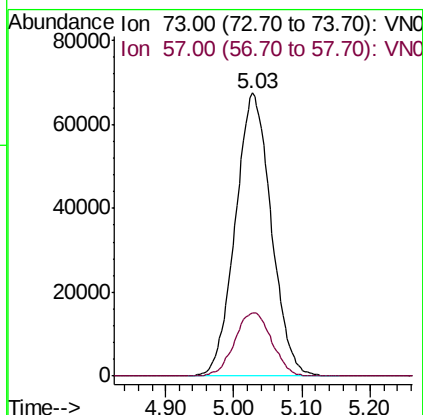
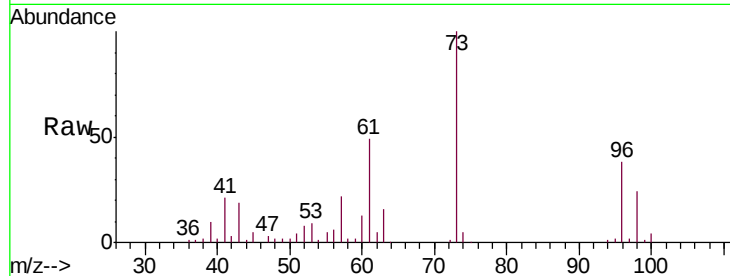




#19
Methyl tert-butyl Ether
Concen: 20.327 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

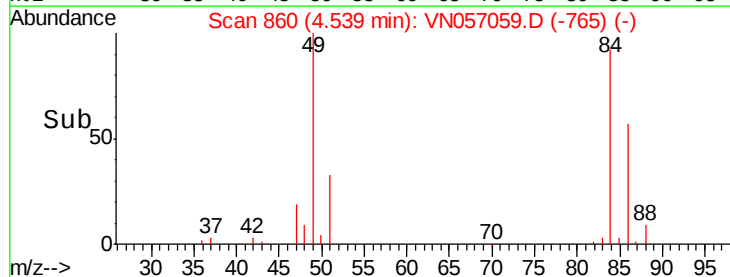
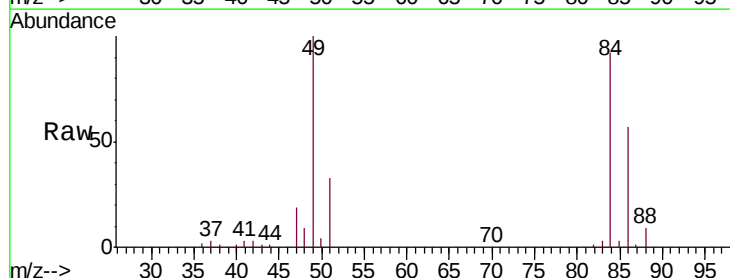
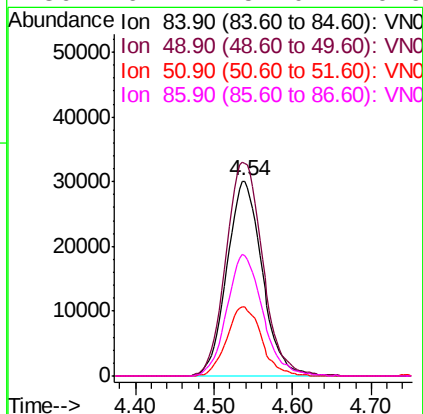
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

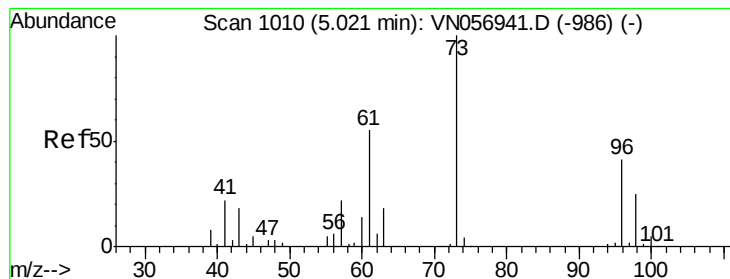
Tgt Ion: 73 Resp: 246629
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5



#20
Methylene Chloride
Concen: 19.029 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion: 84 Resp: 94100
Ion Ratio Lower Upper
84 100
49 109.1 95.2 142.8
51 35.6 29.7 44.5
86 61.7 51.0 76.6



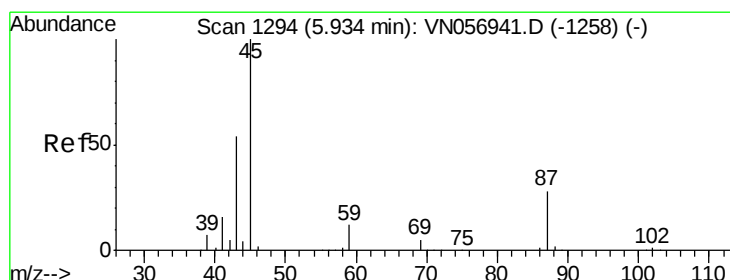
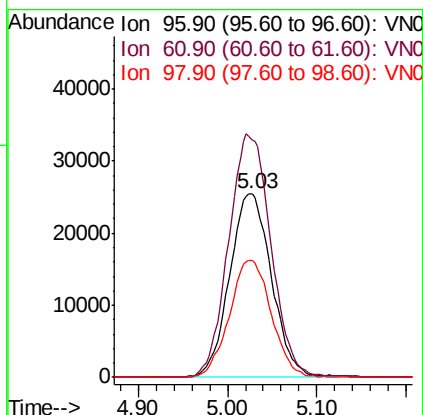
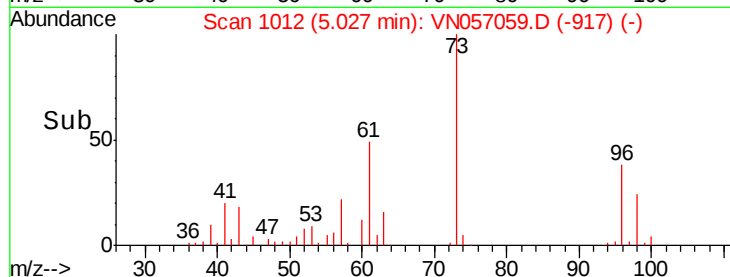
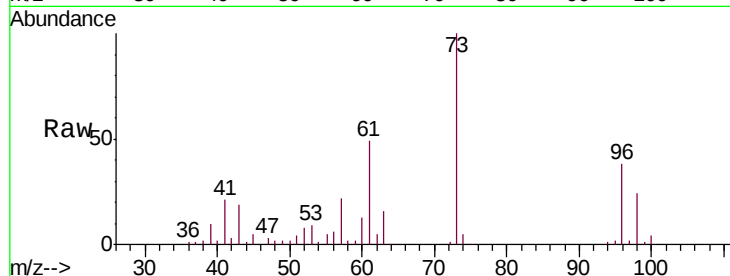


#21

trans-1,2-Dichloroethene
Concen: 19.245 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

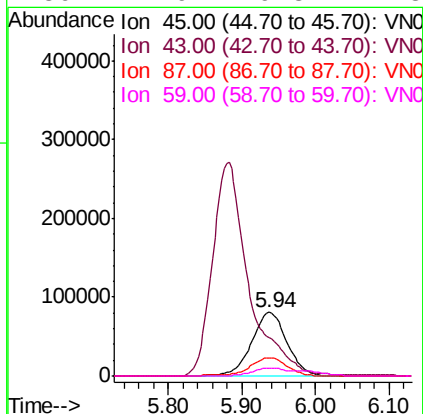
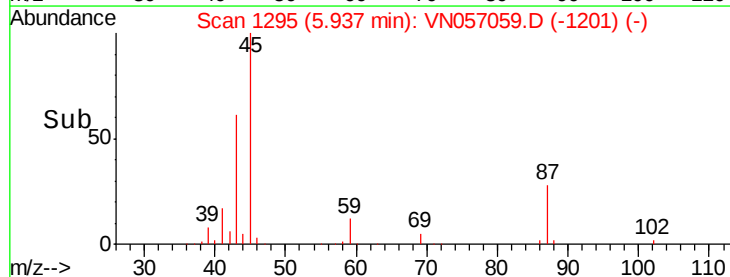
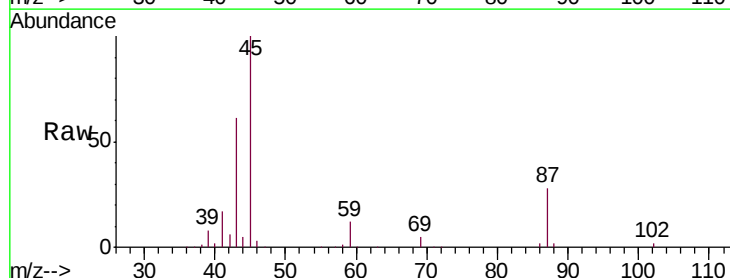
Tgt Ion: 96 Resp: 83167
Ion Ratio Lower Upper
96 100
61 128.3 107.5 161.3
98 63.6 49.9 74.9

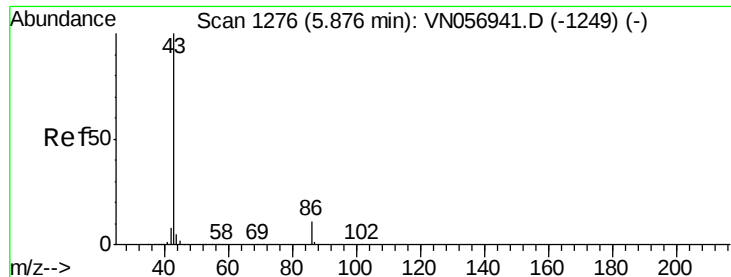


#22

Diisopropyl ether
Concen: 19.770 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion: 45 Resp: 269616
Ion Ratio Lower Upper
45 100
43 58.6 44.7 67.1
87 28.2 23.0 34.6
59 11.9 9.8 14.8





#23

Vinyl Acetate

Concen: 98.448 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

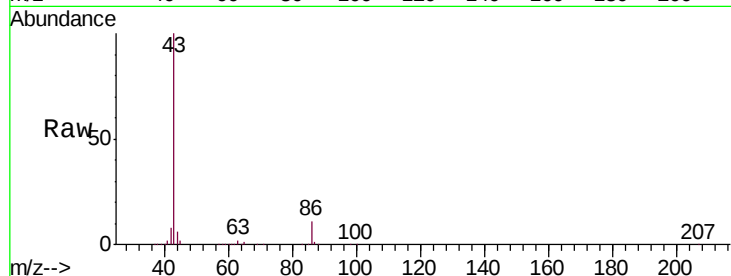
VN0802WBSD01

Tgt Ion: 43 Resp: 930241

Ion Ratio Lower Upper

43 100

86 10.9 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

300000

250000

200000

150000

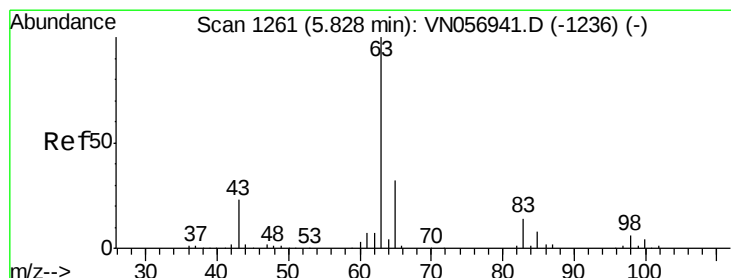
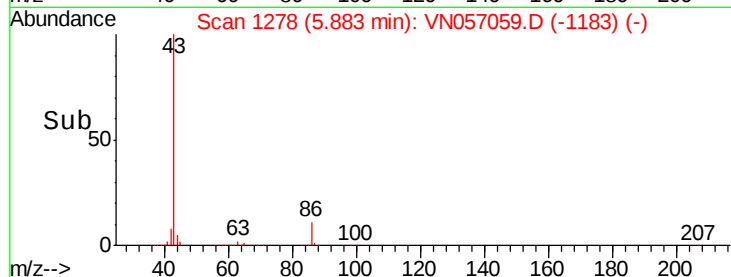
100000

50000

0

Time-->

5.80 6.00



#24

1,1-Dichloroethane

Concen: 19.703 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

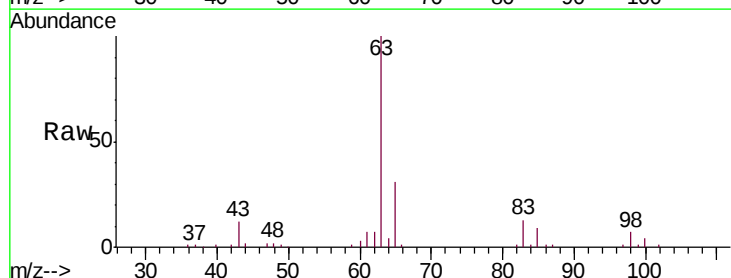
Tgt Ion: 63 Resp: 158538

Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

100 3.7 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

60000

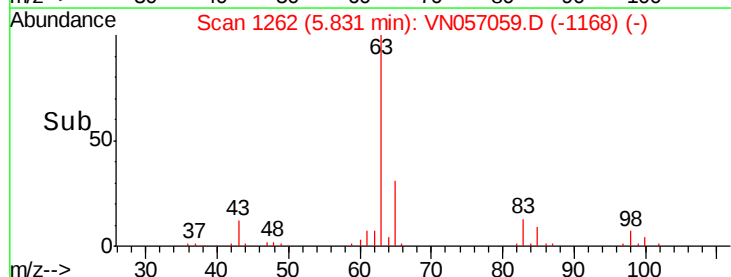
40000

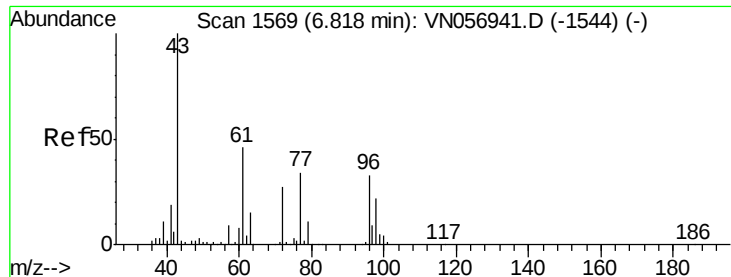
20000

0

Time-->

5.70 5.80 5.90

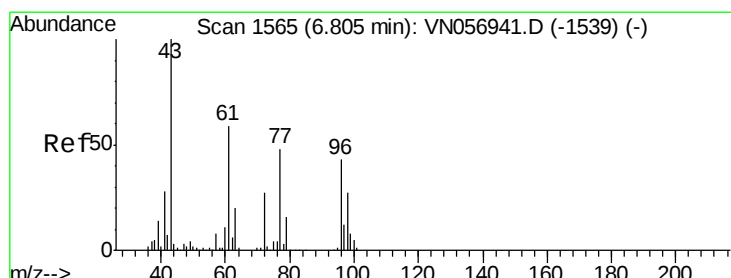
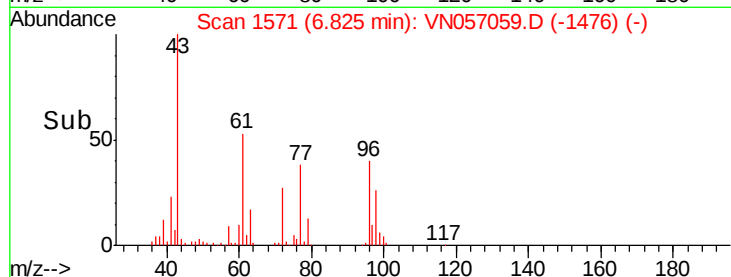
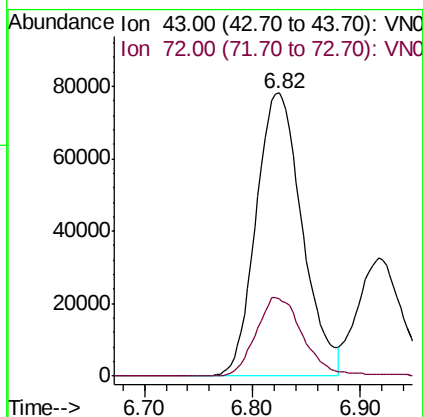
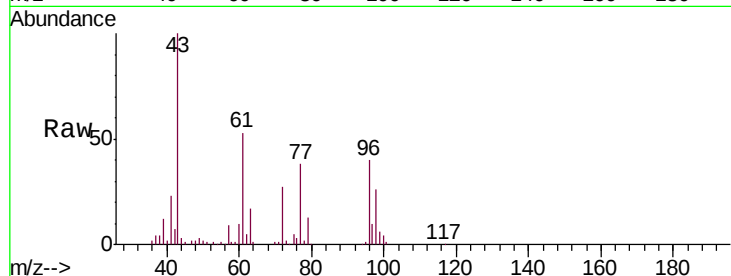




#25
 2-Butanone
 Concen: 95.262 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

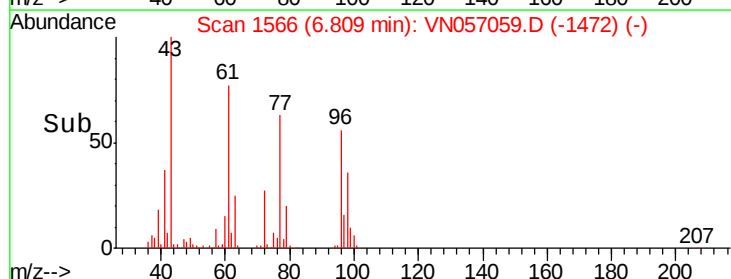
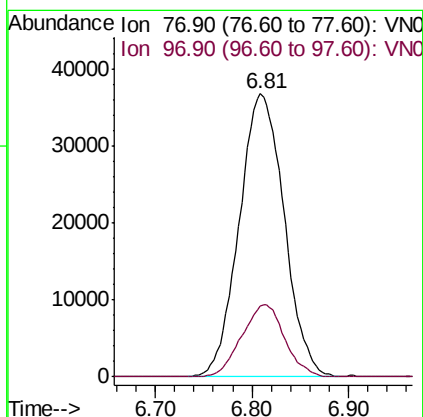
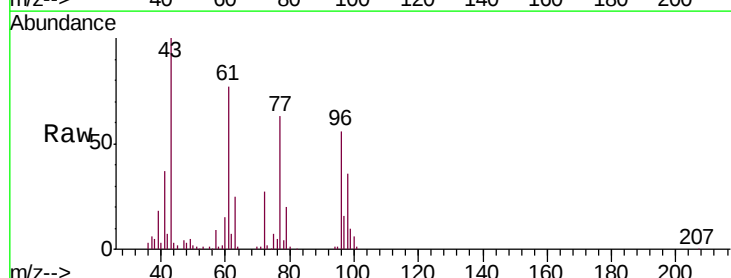
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

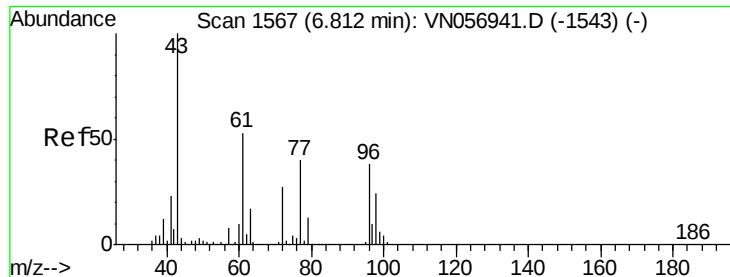
Tgt Ion: 43 Resp: 231896
 Ion Ratio Lower Upper
 43 100
 72 27.3 21.5 32.3



#26
 2,2-Dichloropropane
 Concen: 19.393 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion: 77 Resp: 118650
 Ion Ratio Lower Upper
 77 100
 97 24.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.465 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

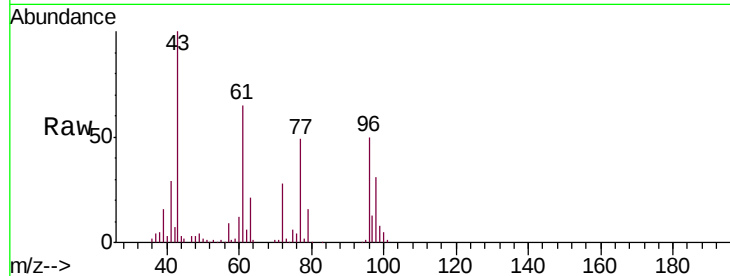
Tgt Ion: 96 Resp: 99492

Ion Ratio Lower Upper

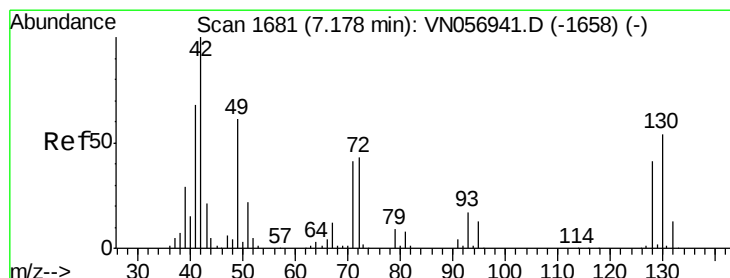
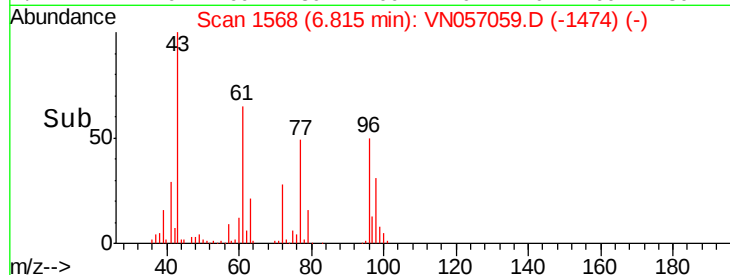
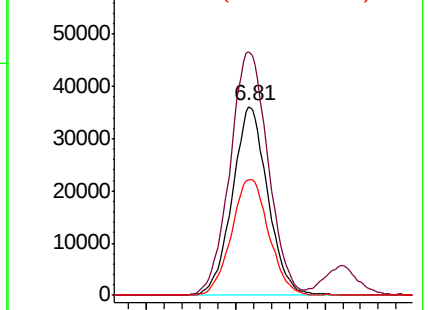
96 100

61 138.7 0.0 277.2

98 64.6 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.508 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

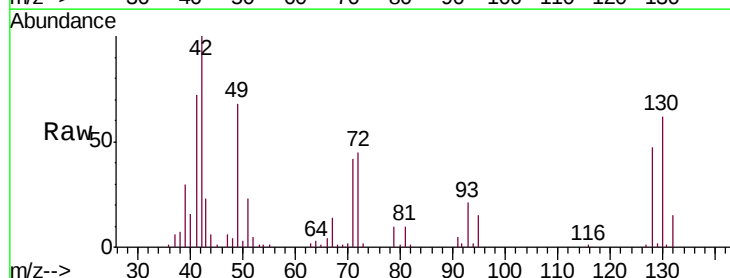
Tgt Ion: 49 Resp: 69999

Ion Ratio Lower Upper

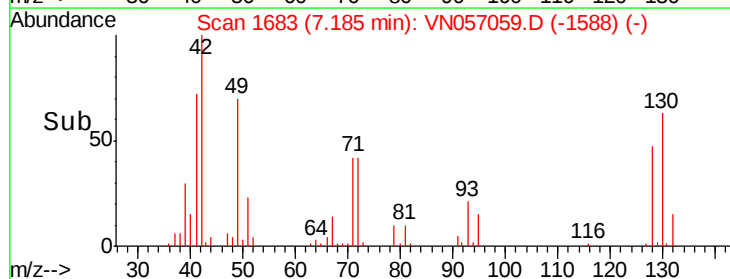
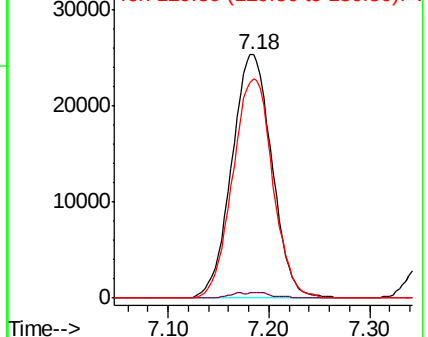
49 100

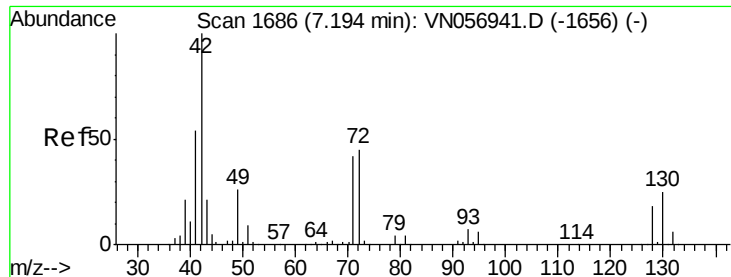
129 0.9 0.0 4.6

130 89.8 69.0 103.4



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

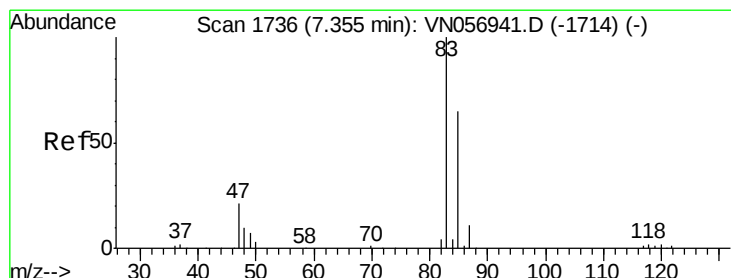
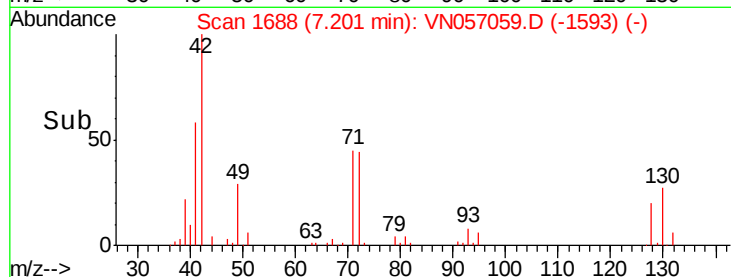
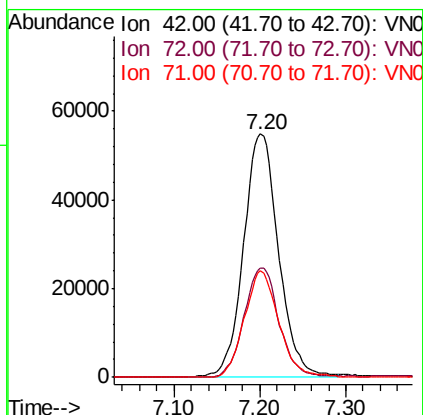
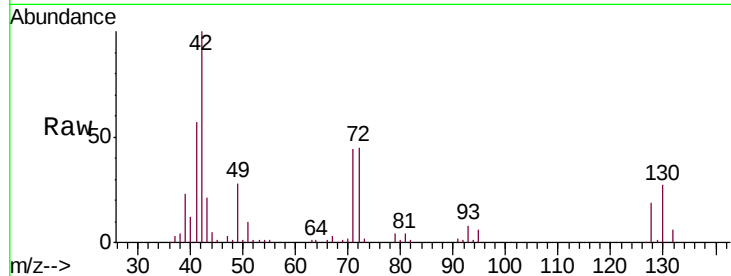




#29
Tetrahydrofuran
Concen: 98.143 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

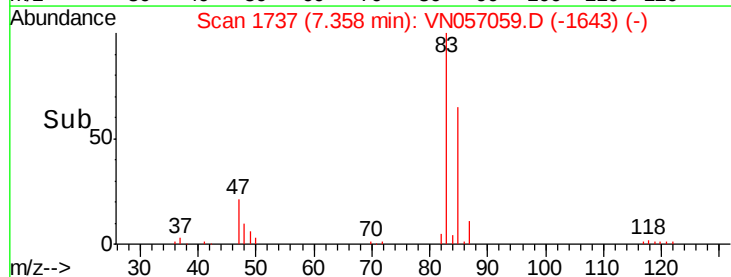
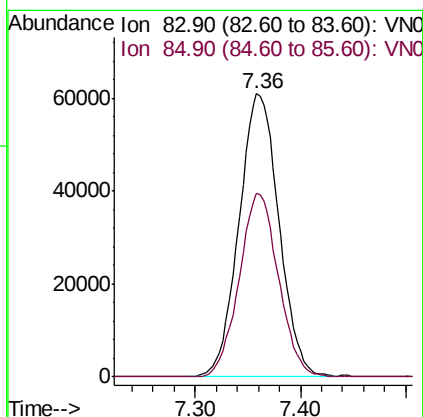
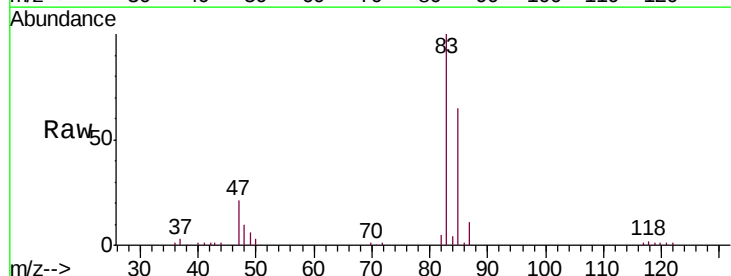
Instrument :
MSVOA_N
ClientSampled :
VN0802WBSD01

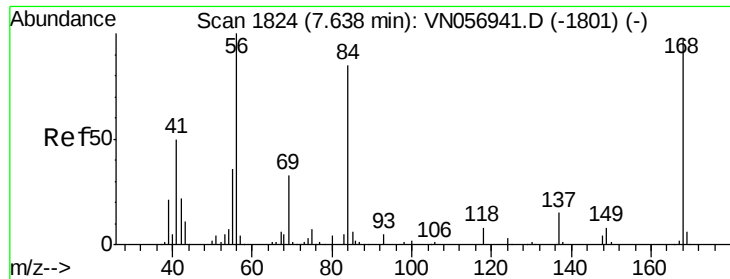
Tgt Ion: 42 Resp: 155877
Ion Ratio Lower Upper
42 100
72 44.5 35.6 53.4
71 42.6 33.5 50.3



#30
Chloroform
Concen: 19.509 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion: 83 Resp: 160503
Ion Ratio Lower Upper
83 100
85 64.8 52.2 78.2

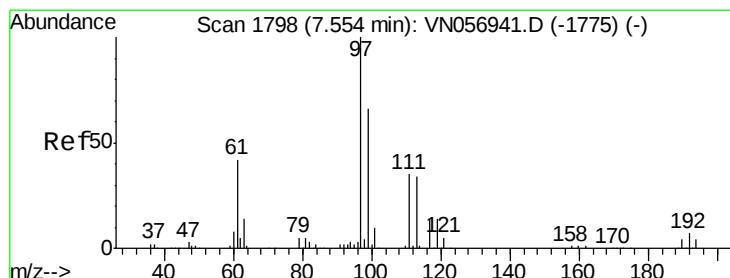
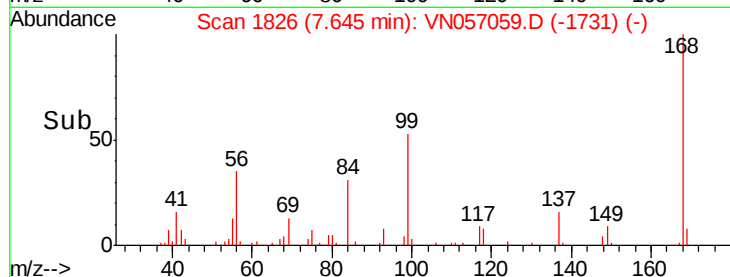
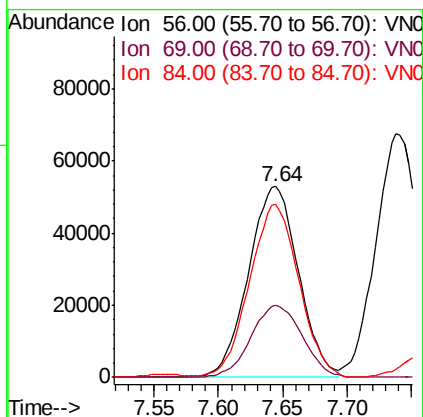
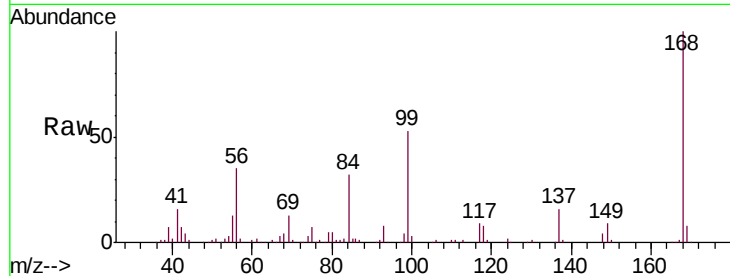




#31
Cyclohexane
Concen: 18.316 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

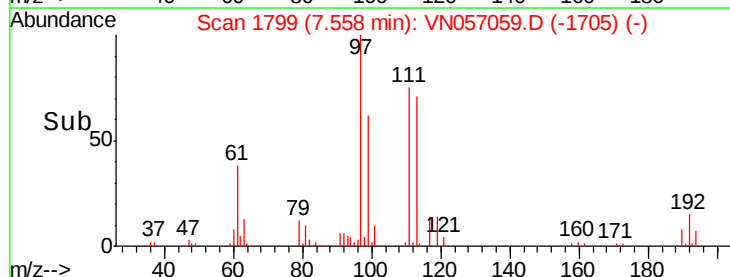
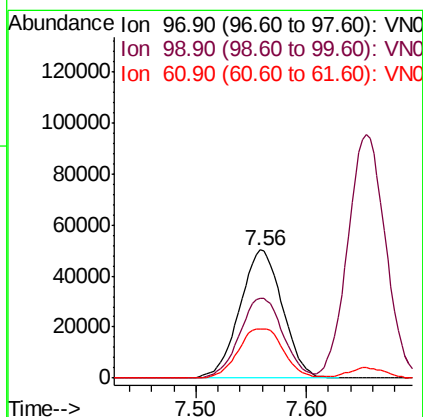
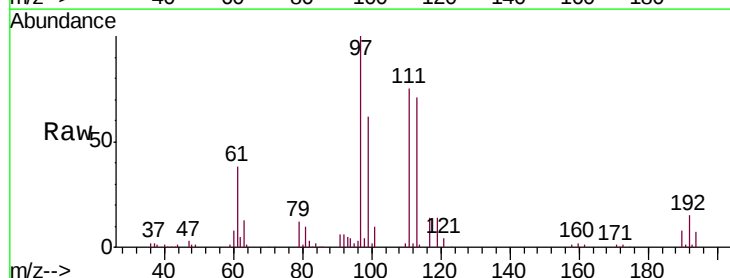
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

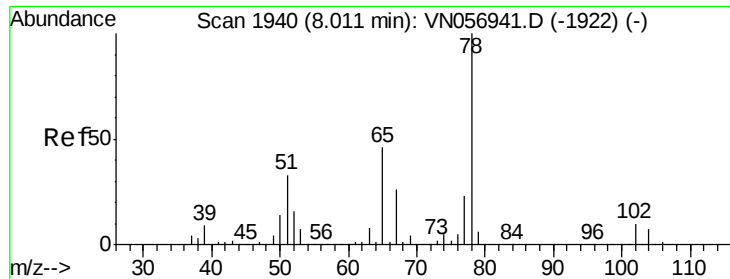
Tgt Ion: 56 Resp: 142619
Ion Ratio Lower Upper
56 100
69 37.4 26.2 39.2
84 89.6 68.2 102.2



#32
1,1,1-Trichloroethane
Concen: 20.444 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion: 97 Resp: 134198
Ion Ratio Lower Upper
97 100
99 63.7 52.3 78.5
61 40.8 33.9 50.9





#33

1,2-Dichloroethane-d4

Concen: 50.745 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

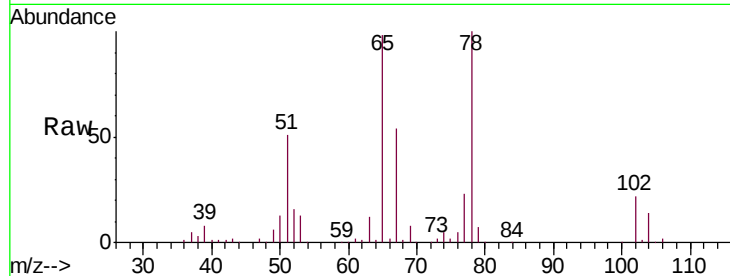
VN0802WBSD01

Tgt Ion: 65 Resp: 240466

Ion Ratio Lower Upper

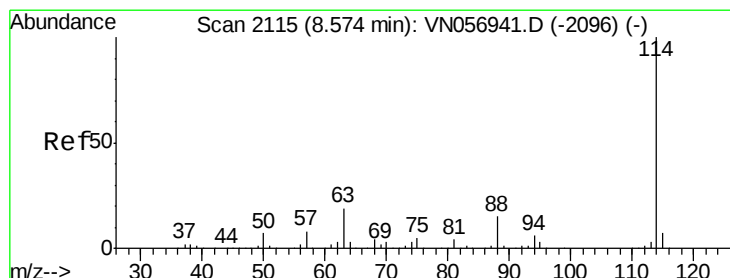
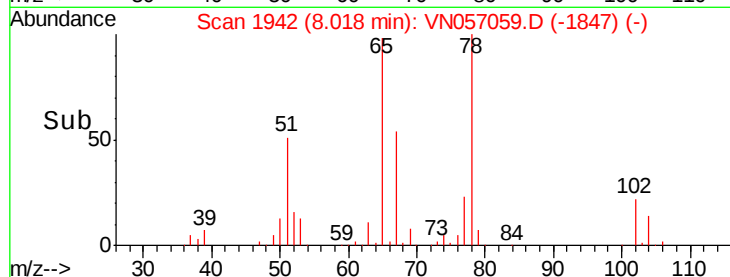
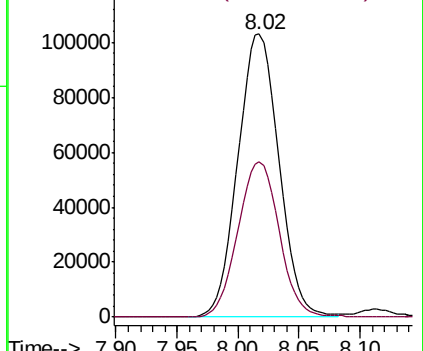
65 100

67 55.3 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN056941.D (-1922) (-)

Ion 66.90 (66.60 to 67.60): VN056941.D (-1922) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

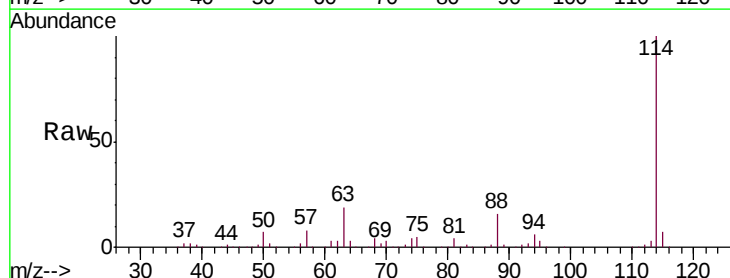
Tgt Ion: 114 Resp: 677391

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.0

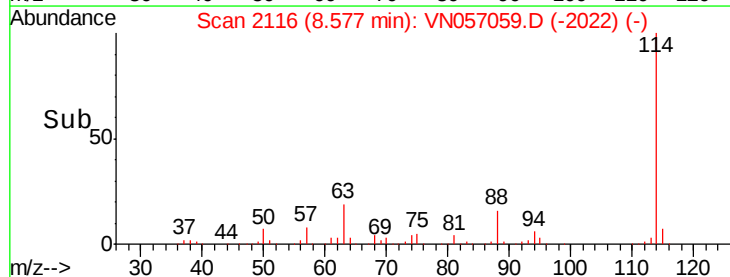
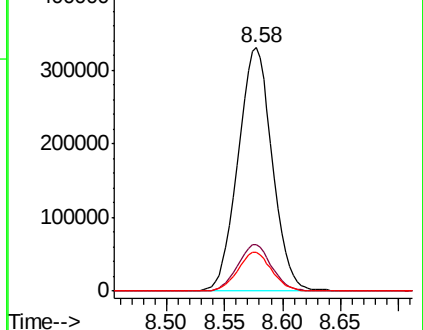
88 15.8 0.0 30.0

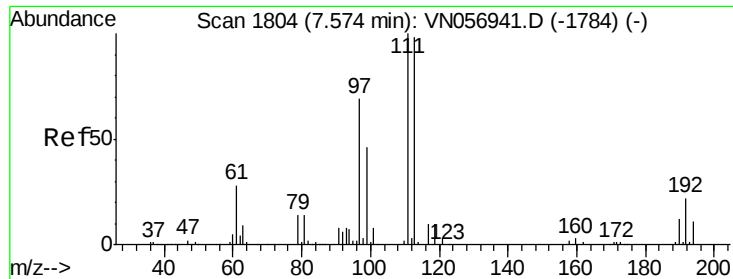


Abundance Ion 113.90 (113.60 to 114.60): VN056941.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN056941.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN056941.D (-2096) (-)

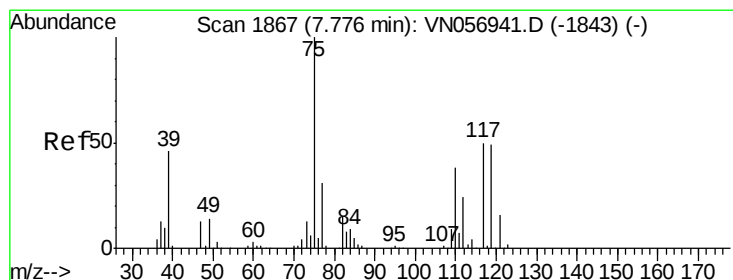
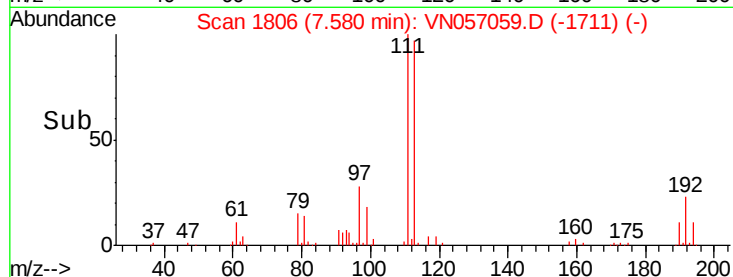
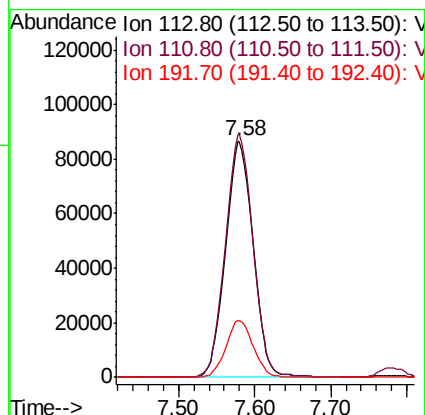
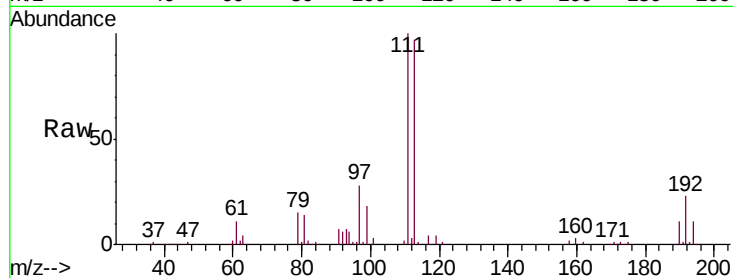




#35
 Dibromofluoromethane
 Concen: 50.670 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

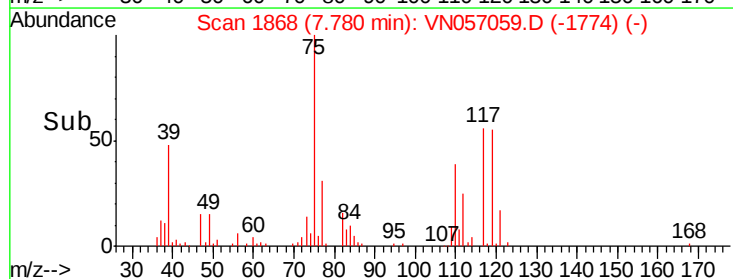
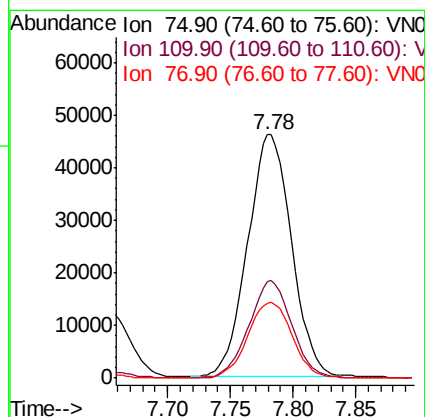
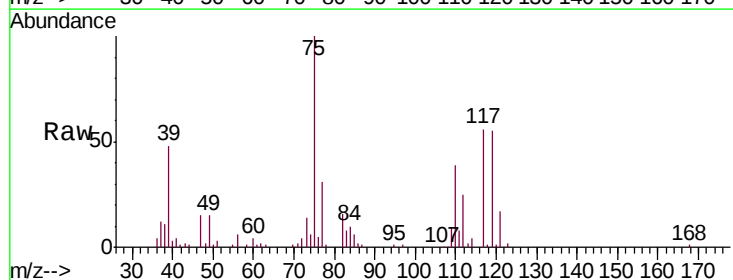
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

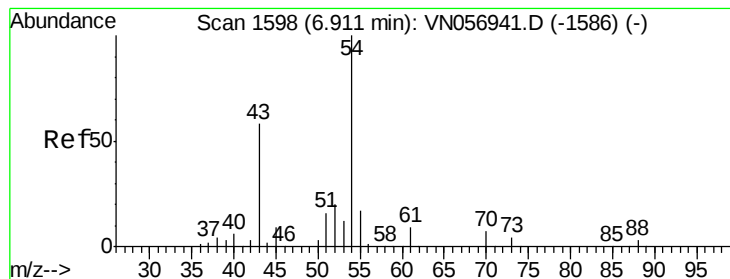
Tgt Ion: 113 Resp: 219728
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.0 123.0
 192 23.6 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 18.846 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion: 75 Resp: 112331
 Ion Ratio Lower Upper
 75 100
 110 39.2 18.6 55.8
 77 31.9 25.2 37.8





#37

Ethyl Acetate

Concen: 19.853 ug/l

RT: 6.92 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

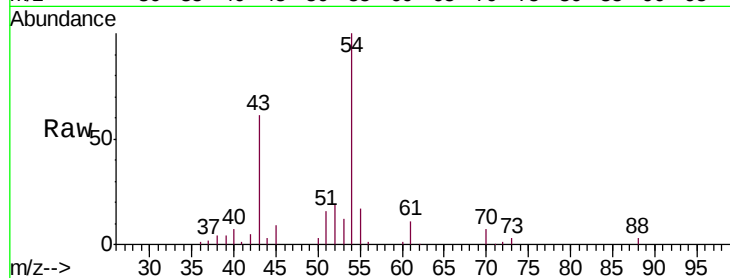
Tgt Ion: 43 Resp: 94775

Ion Ratio Lower Upper

43 100

61 15.3 11.8 17.6

70 11.8 8.5 12.7

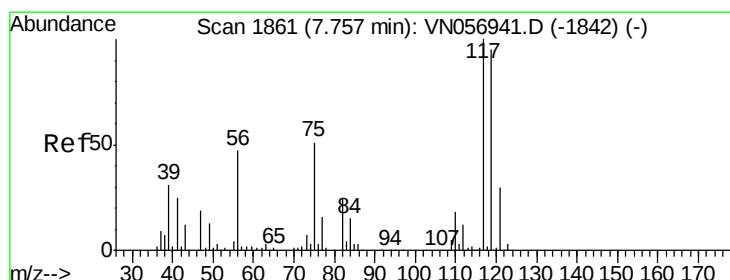
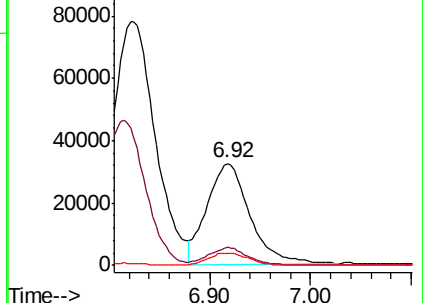
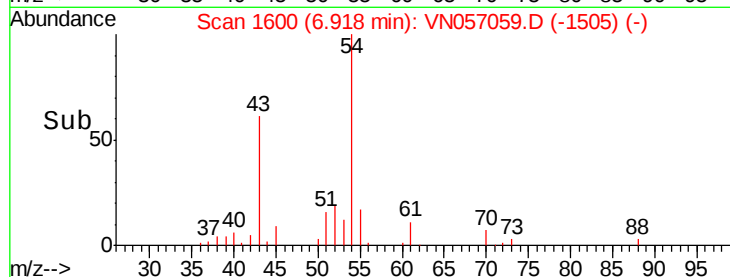


Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1586) (-)

Ion 60.90 (60.60 to 61.60): VN056941.D (-1586) (-)

Ion 70.00 (69.70 to 70.70): VN056941.D (-1586) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 20.133 ug/l

RT: 7.76 min Scan# 1863

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

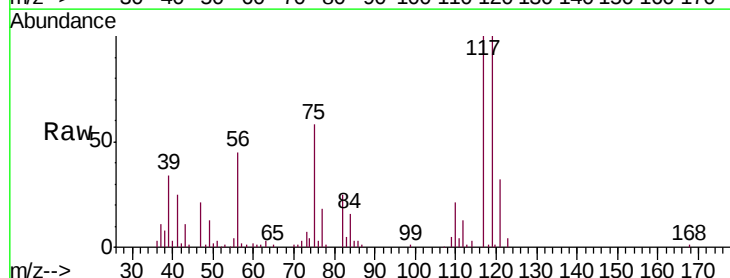
Tgt Ion: 117 Resp: 113514

Ion Ratio Lower Upper

117 100

119 99.8 75.3 112.9

121 32.4 24.2 36.4

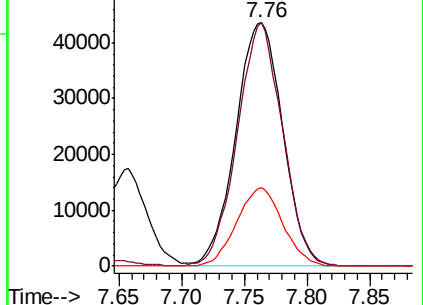
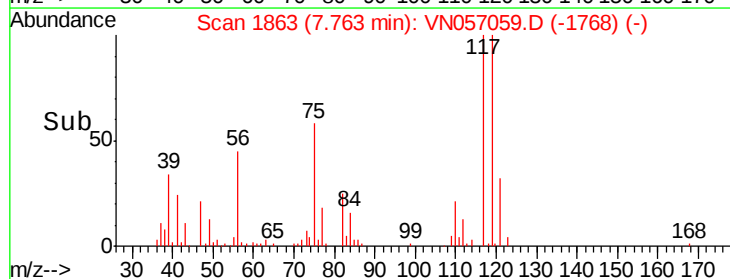


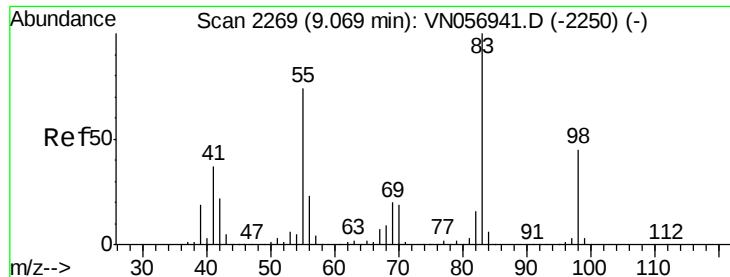
Abundance Ion 116.80 (116.50 to 117.50): VN056941.D (-1842) (-)

Ion 118.80 (118.50 to 119.50): VN056941.D (-1842) (-)

Ion 120.80 (120.50 to 121.50): VN056941.D (-1842) (-)

Time-->

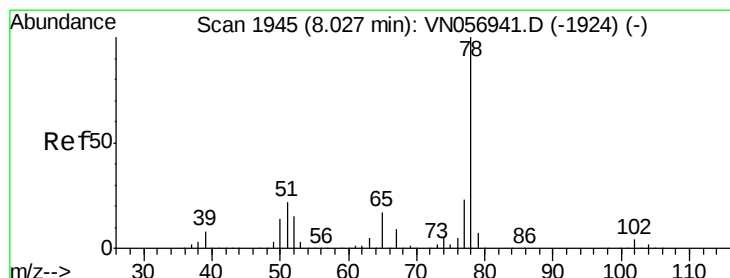
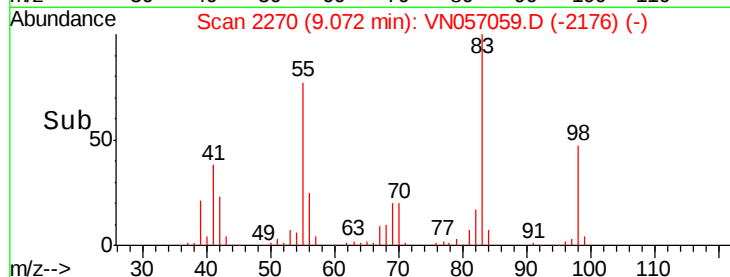
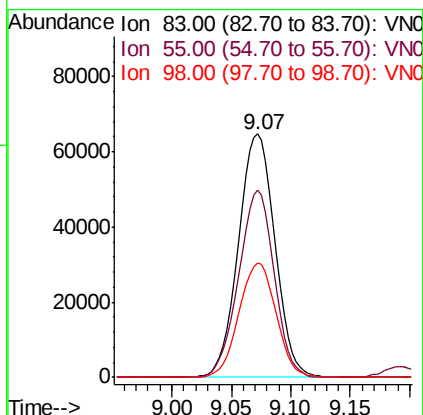
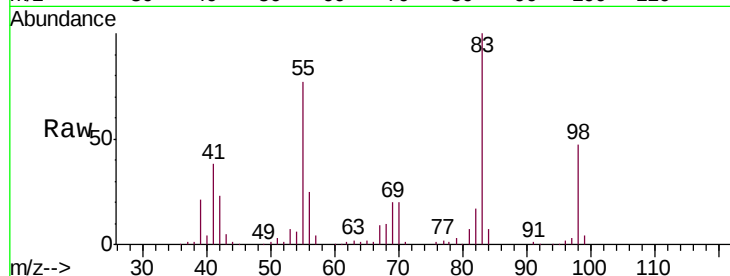




#39
Methylcyclohexane
Concen: 18.095 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

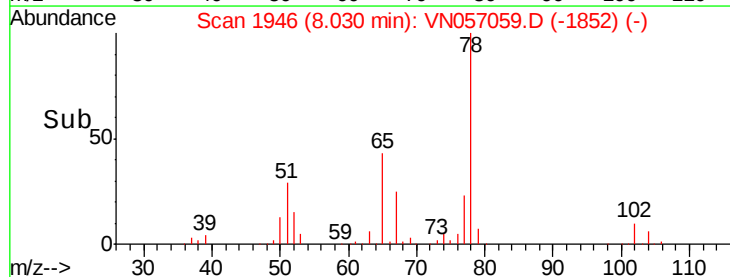
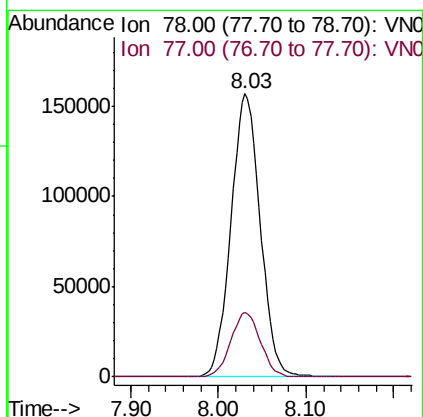
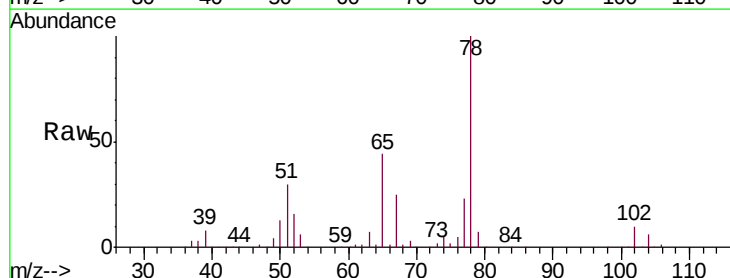
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

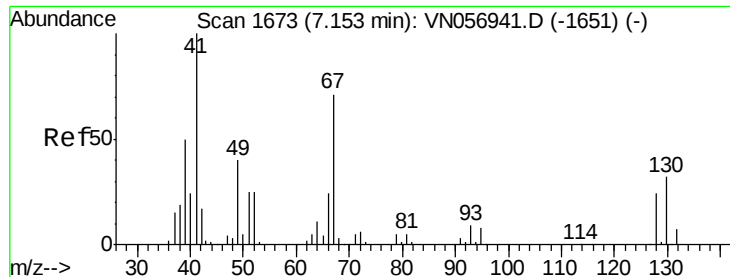
Tgt Ion: 83 Resp: 137850
Ion Ratio Lower Upper
83 100
55 77.1 59.0 88.6
98 47.1 36.2 54.4



#40
Benzene
Concen: 19.858 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion: 78 Resp: 364559
Ion Ratio Lower Upper
78 100
77 22.7 18.3 27.5

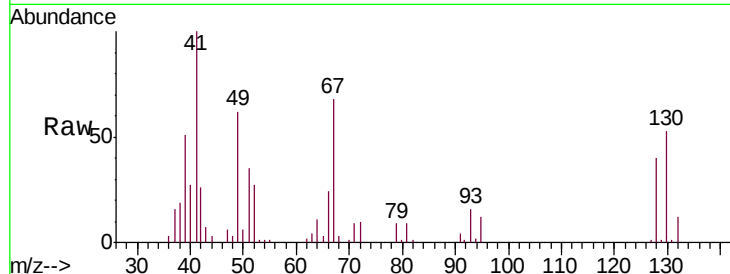




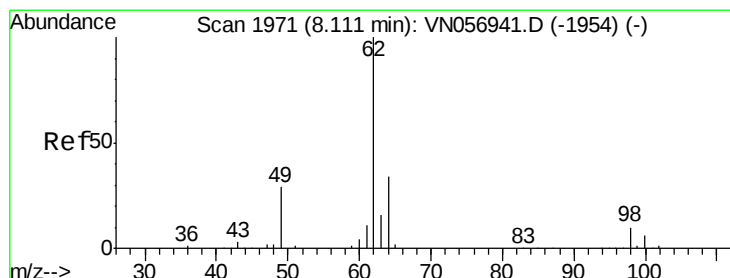
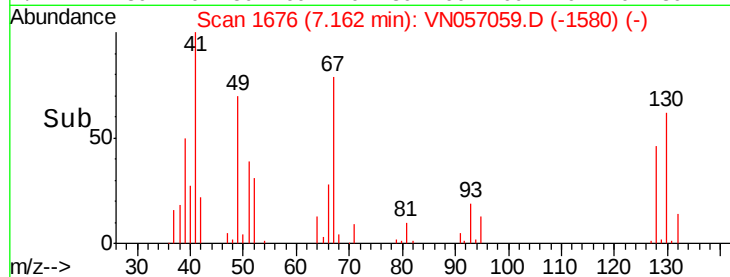
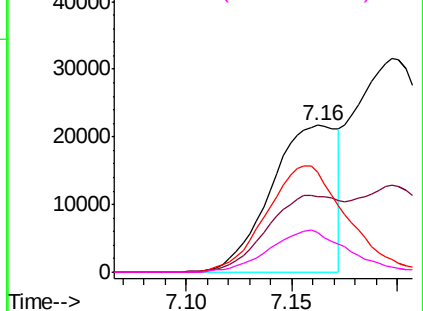
#41
Methacrylonitrile
Concen: 21.524 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tgt Ion:	41	Resp:	47501
Ion	Ratio	Lower	Upper
41	100		
39	58.5	48.9	73.3
67	88.5	83.4	125.0
52	33.9	30.9	46.3

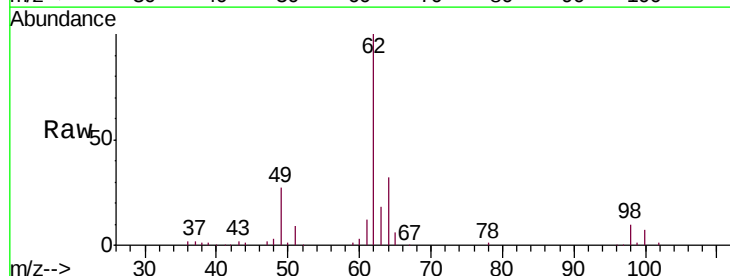


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

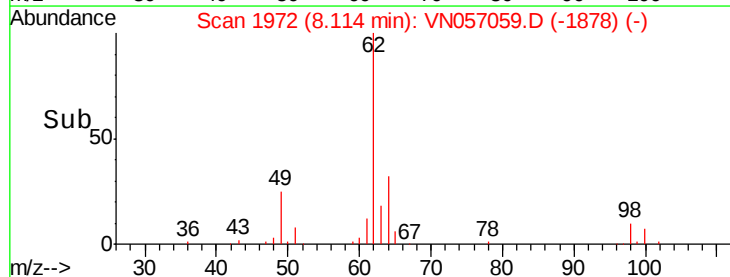
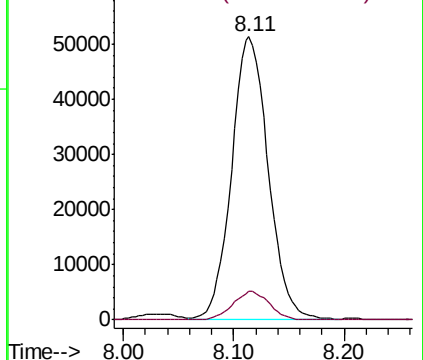


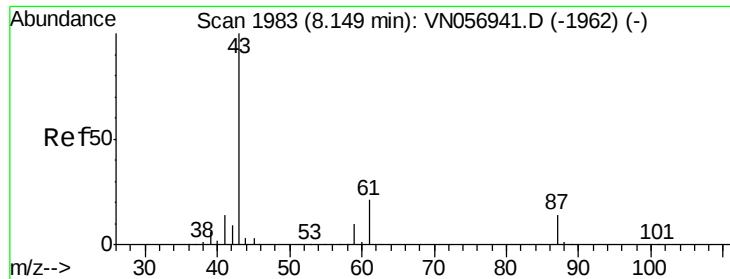
#42
1,2-Dichloroethane
Concen: 20.379 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion:	62	Resp:	117256
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 19.586 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

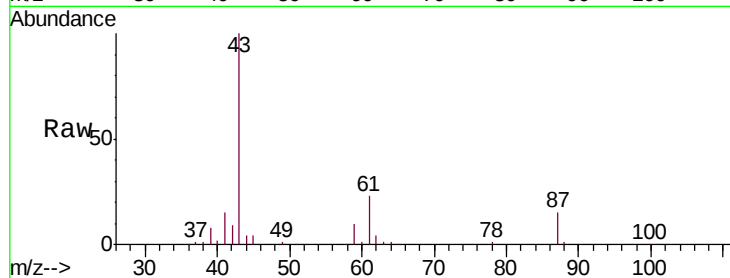
Tgt Ion: 43 Resp: 154545

Ion Ratio Lower Upper

43 100

61 23.6 23.0 34.6

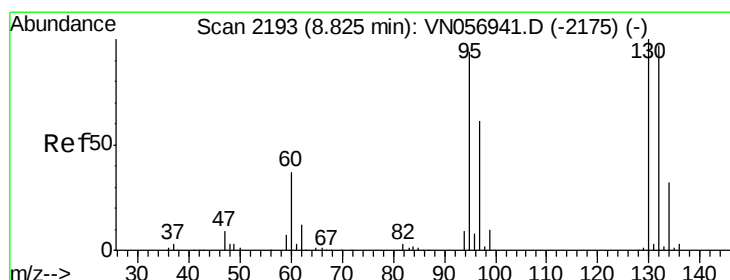
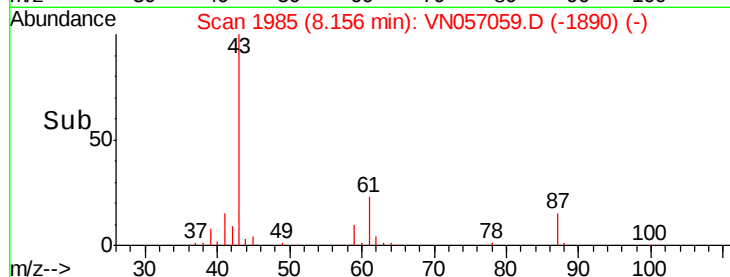
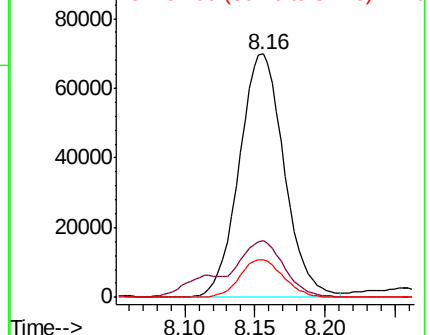
87 15.2 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)



#44

Trichloroethene

Concen: 20.224 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057059.D

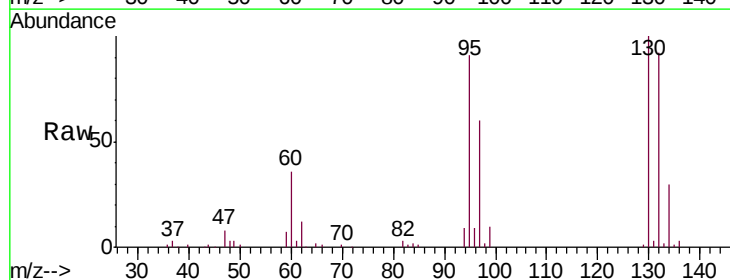
Acq: 2 Aug 2019 12:22

Tgt Ion: 130 Resp: 102289

Ion Ratio Lower Upper

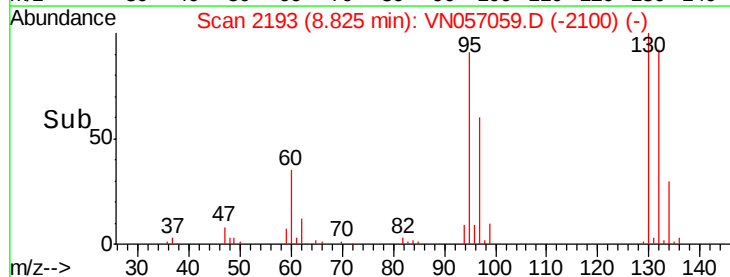
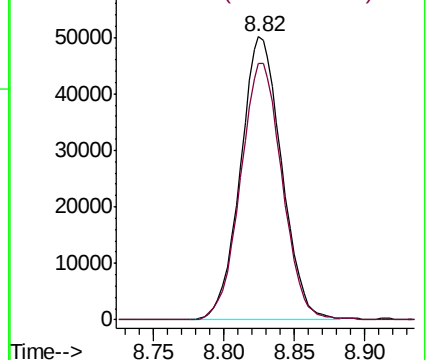
130 100

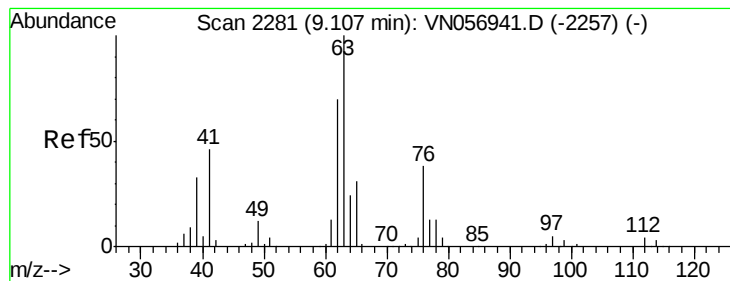
95 90.5 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 19.809 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

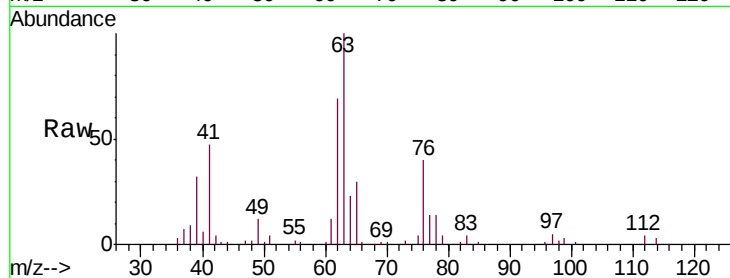
VN0802WBSD01

Tgt Ion: 63 Resp: 97272

Ion Ratio Lower Upper

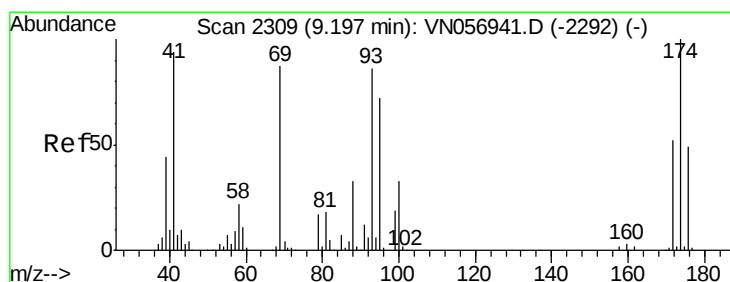
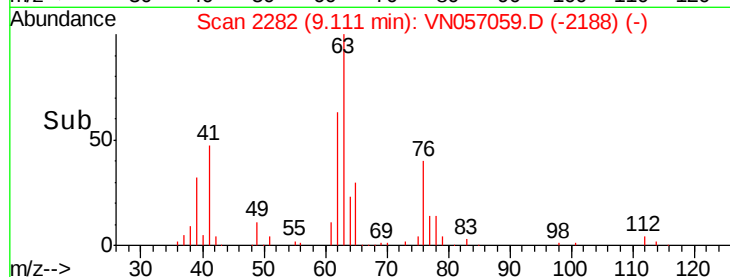
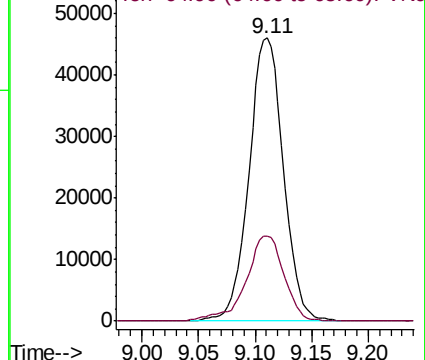
63 100

65 30.1 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.769 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

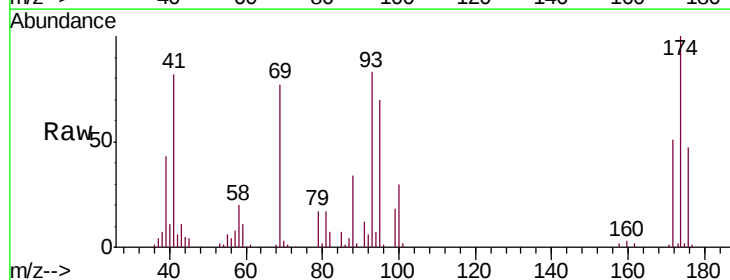
Tgt Ion: 93 Resp: 61505

Ion Ratio Lower Upper

93 100

95 84.3 67.0 100.6

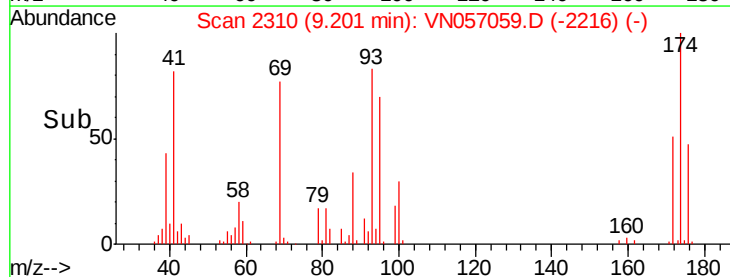
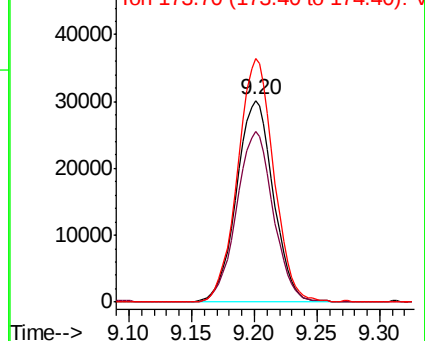
174 118.7 92.7 139.1

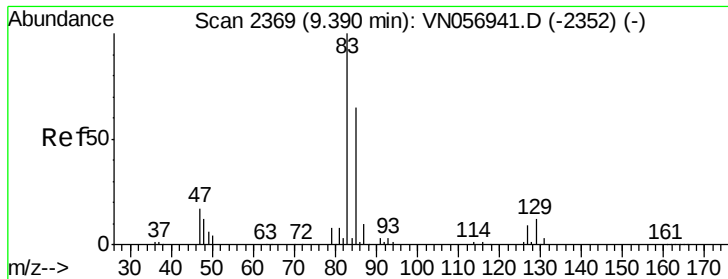


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.005 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

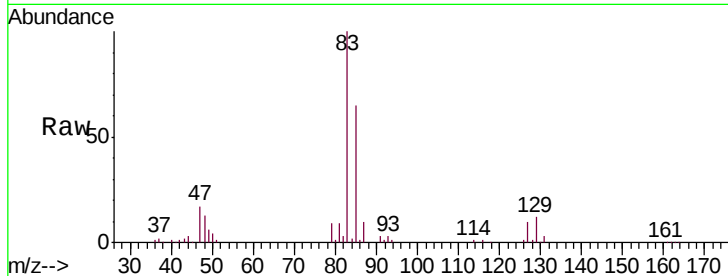
Tgt Ion: 83 Resp: 116479

Ion Ratio Lower Upper

83 100

85 65.4 51.6 77.4

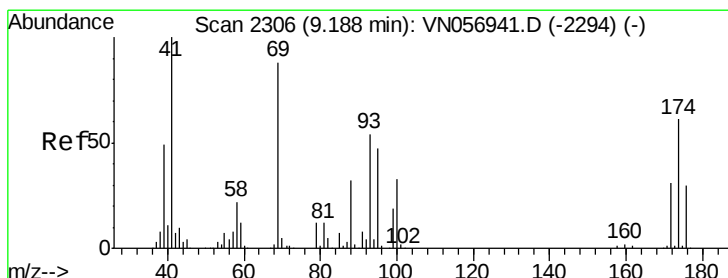
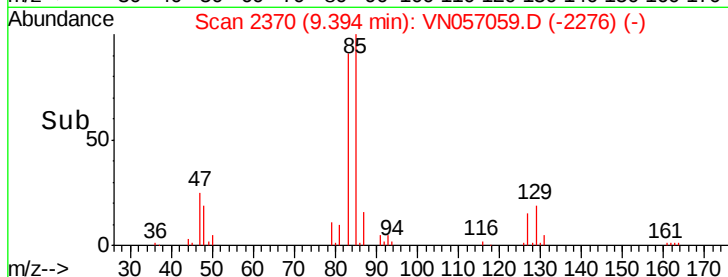
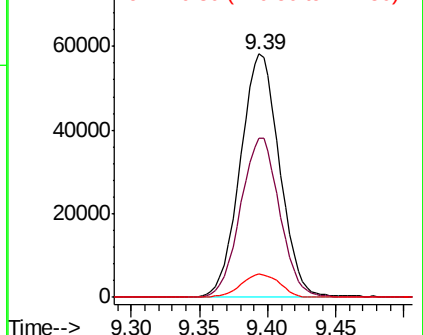
127 9.6 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN056941.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN056941.D (-2352) (-)



#48

Methyl methacrylate

Concen: 19.374 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

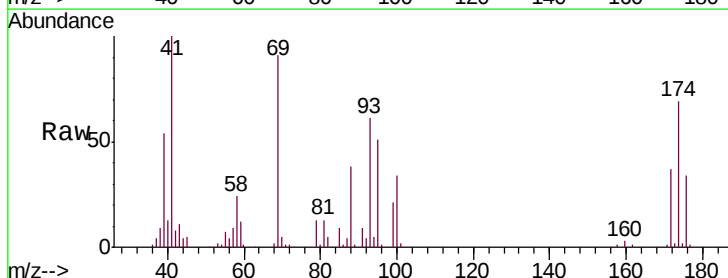
Tgt Ion: 41 Resp: 73803

Ion Ratio Lower Upper

41 100

69 95.6 73.4 110.0

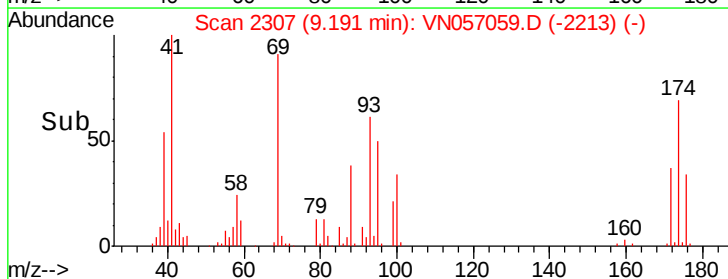
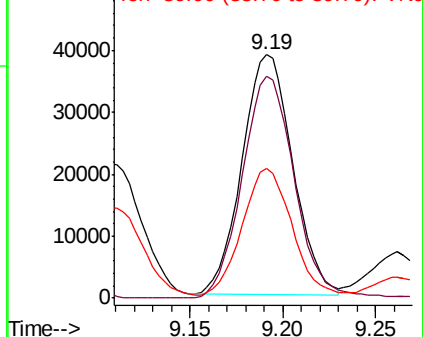
39 53.2 39.9 59.9

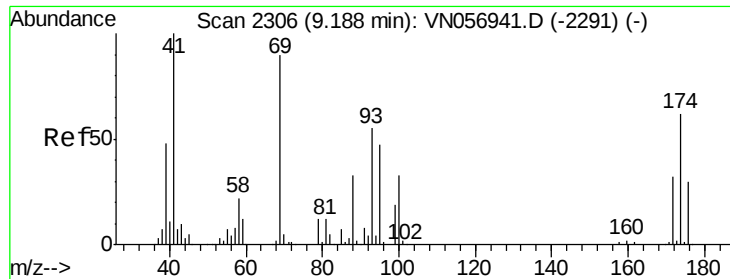


Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-2294) (-)

Ion 69.00 (68.70 to 69.70): VN056941.D (-2294) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-2294) (-)

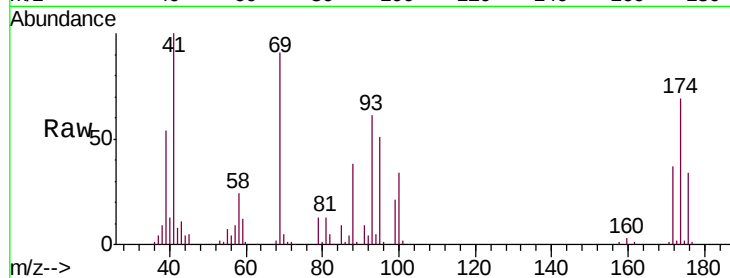




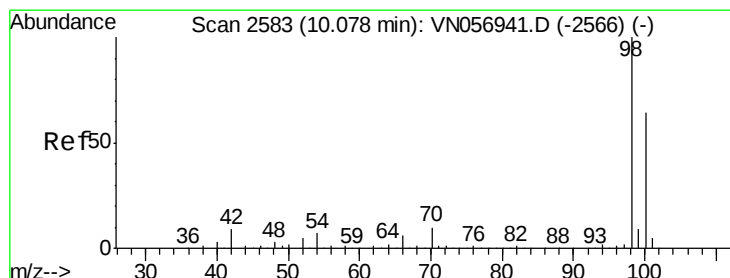
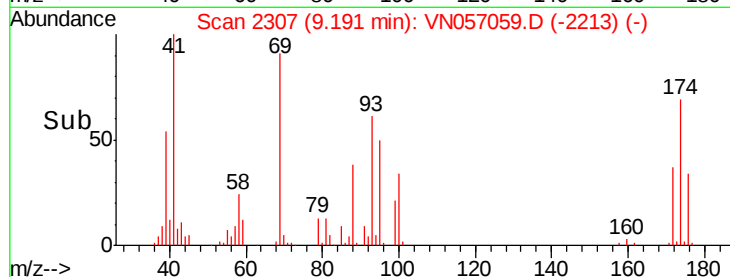
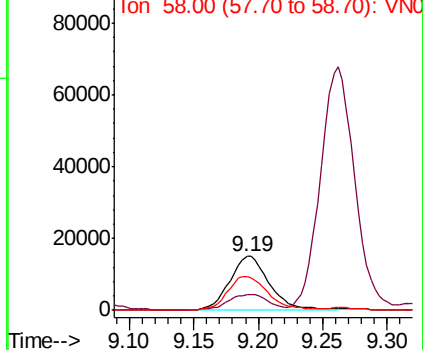
#49
 1,4-Dioxane
 Concen: 411.820 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tgt Ion: 88 Resp: 32330
 Ion Ratio Lower Upper
 88 100
 43 30.6 22.2 33.2
 58 64.0 54.1 81.1

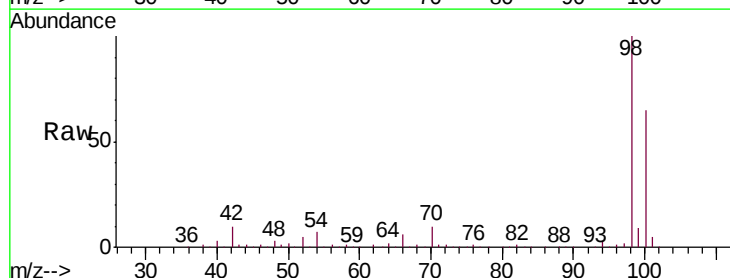


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

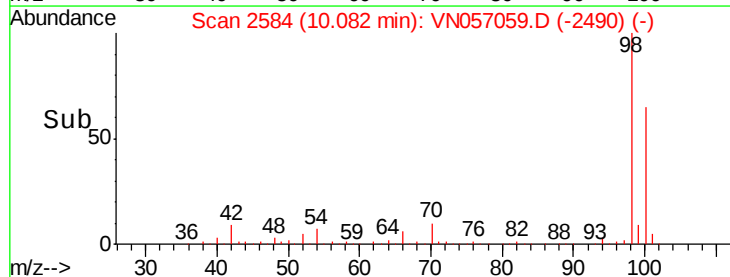
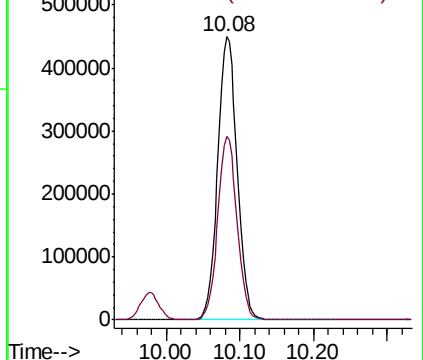


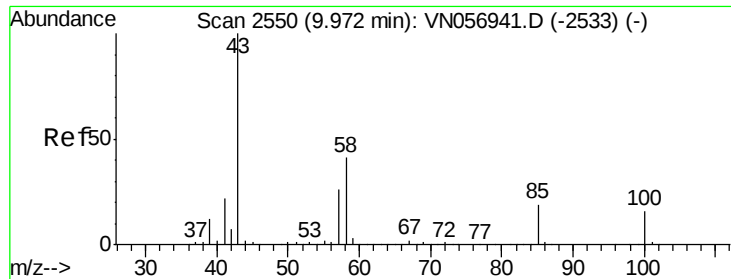
#50
 Toluene-d8
 Concen: 49.650 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion: 98 Resp: 821051
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 100.031 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

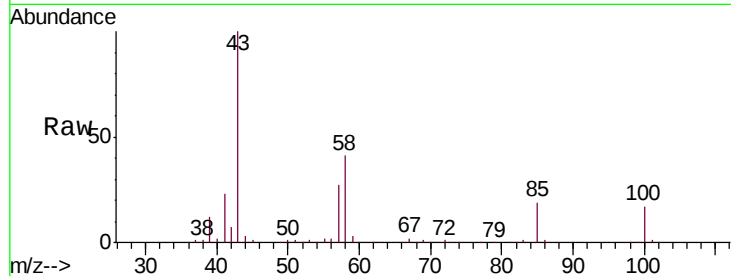
VN0802WBSD01

Tgt Ion: 43 Resp: 468966

Ion Ratio Lower Upper

43 100

58 41.3 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

300000

250000

200000

150000

100000

50000

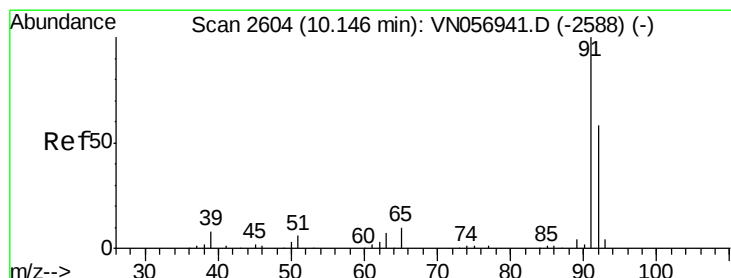
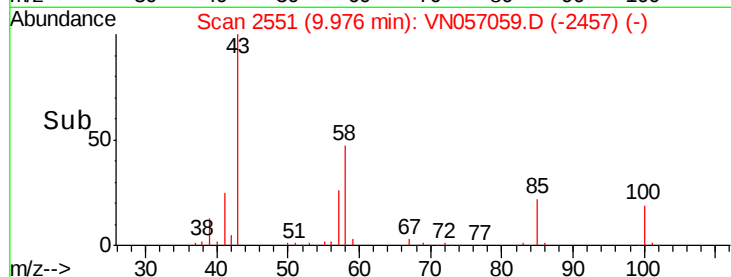
0

9.90

9.98

10.00

Time-->



#52

Toluene

Concen: 20.154 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN057059.D

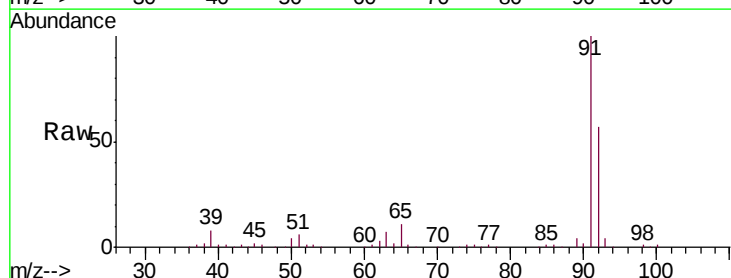
Acq: 2 Aug 2019 12:22

Tgt Ion: 92 Resp: 222306

Ion Ratio Lower Upper

92 100

91 173.5 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

150000

100000

50000

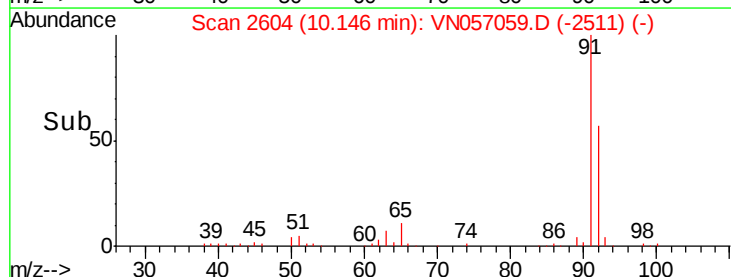
0

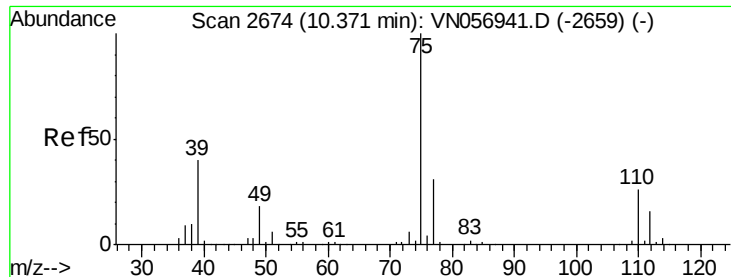
10.10

10.15

10.20

Time-->

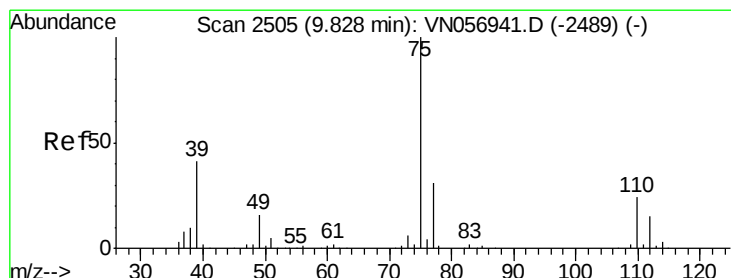
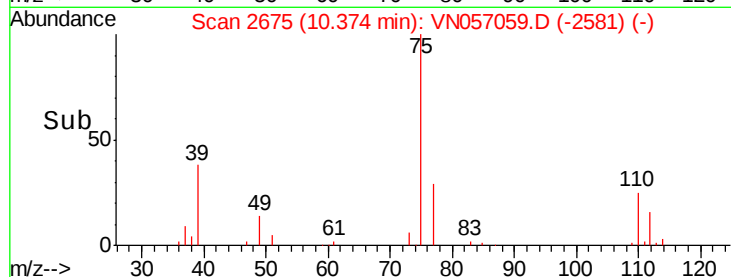
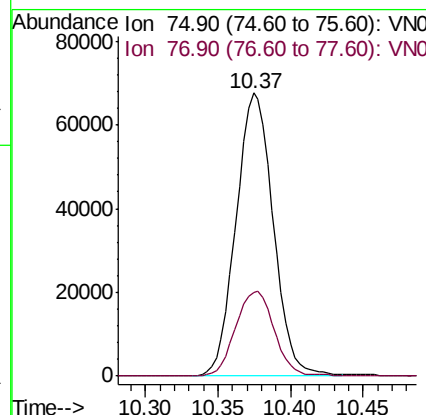
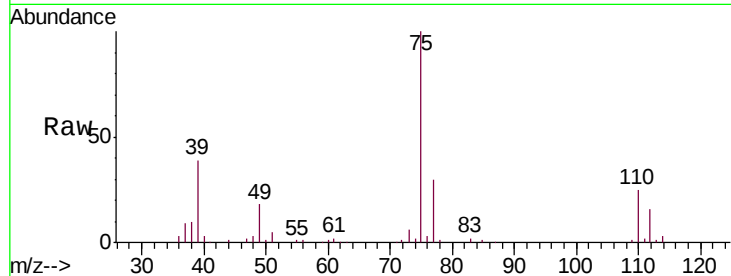




#53
 t-1,3-Dichloropropene
 Concen: 20.000 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

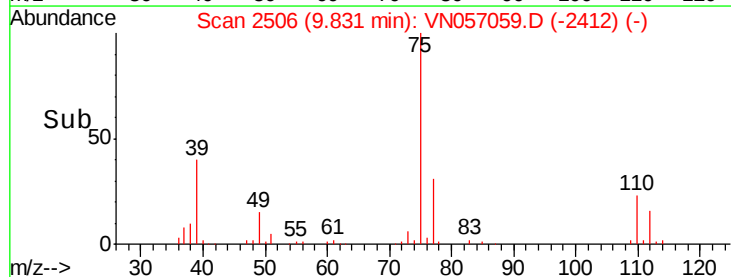
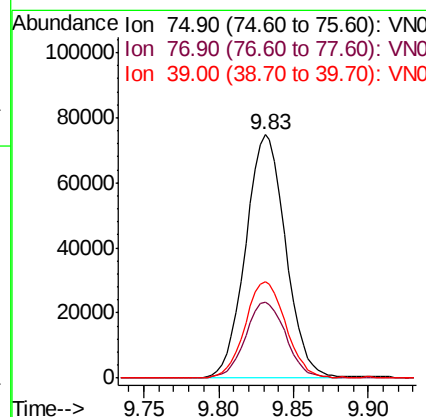
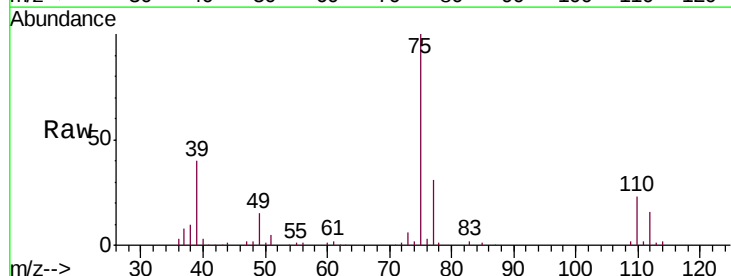
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

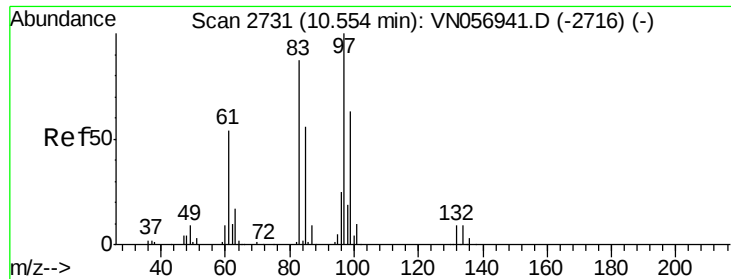
Tgt Ion: 75 Resp: 120841
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 19.839 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion: 75 Resp: 139371
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6
 39 39.5 32.6 49.0

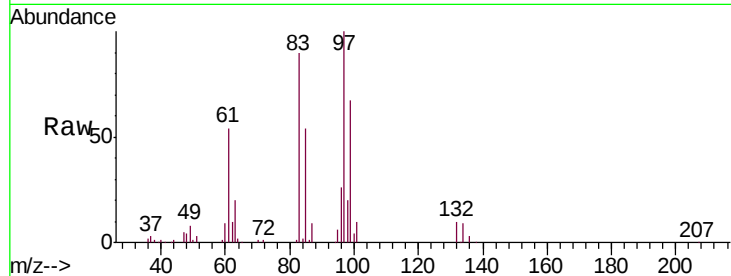




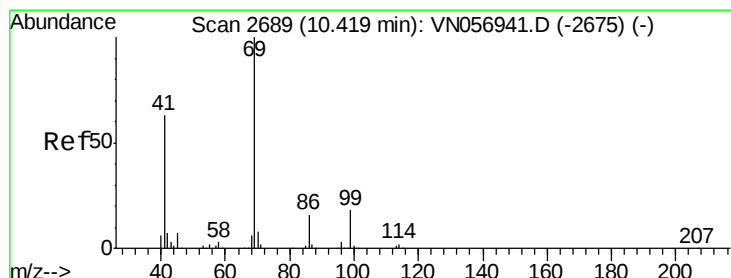
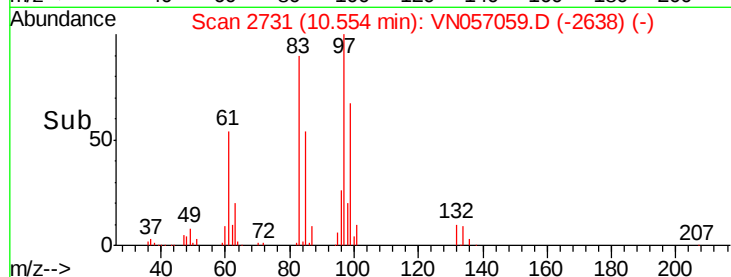
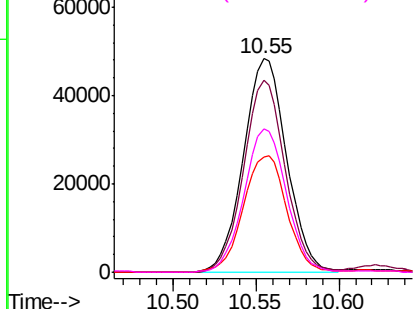
#55
 1,1,2-Trichloroethane
 Concen: 19.845 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0802WBSD01

Tgt Ion: 97 Resp: 87782
 Ion Ratio Lower Upper
 97 100
 83 90.0 69.4 104.0
 85 54.0 44.7 67.1
 99 67.1 50.1 75.1

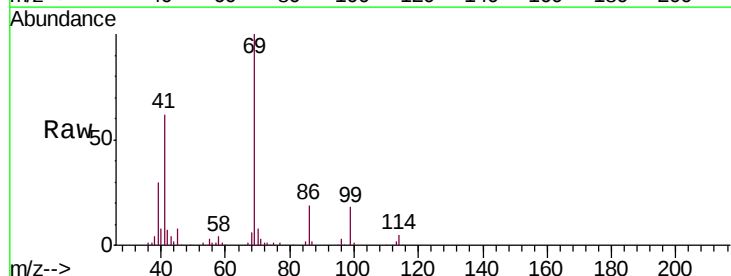


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

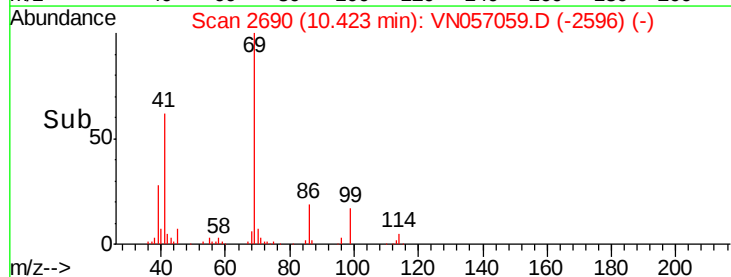
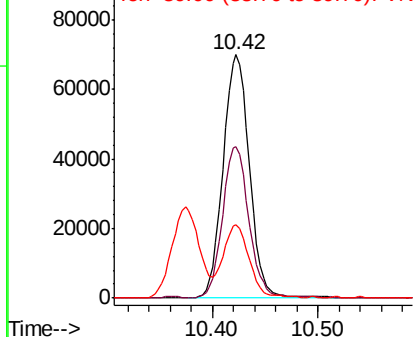


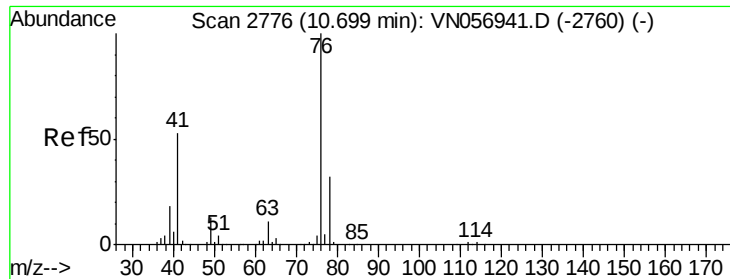
#56
 Ethyl methacrylate
 Concen: 19.252 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion: 69 Resp: 121108
 Ion Ratio Lower Upper
 69 100
 41 61.5 49.2 73.8
 39 29.3 23.1 34.7



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.024 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampled :

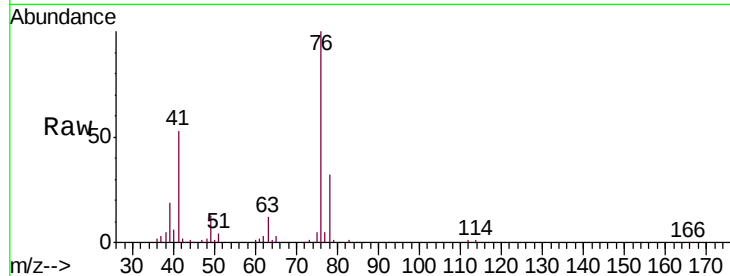
VN0802WBSD01

Tgt Ion: 76 Resp: 146876

Ion Ratio Lower Upper

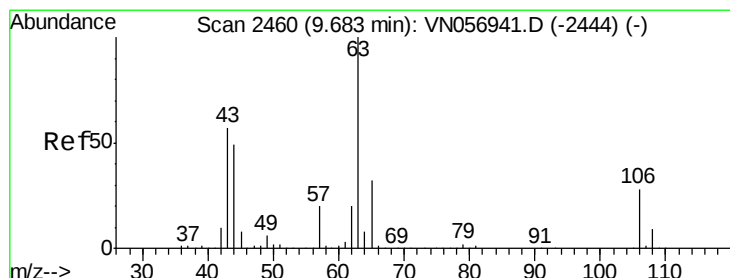
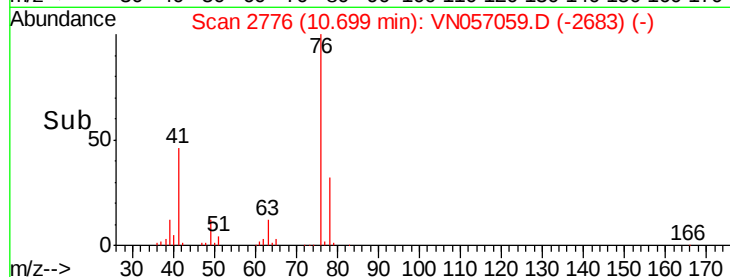
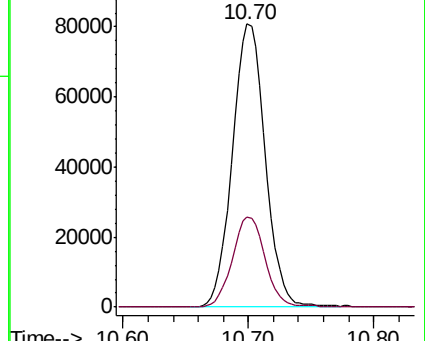
76 100

78 31.8 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 73.085 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN057059.D

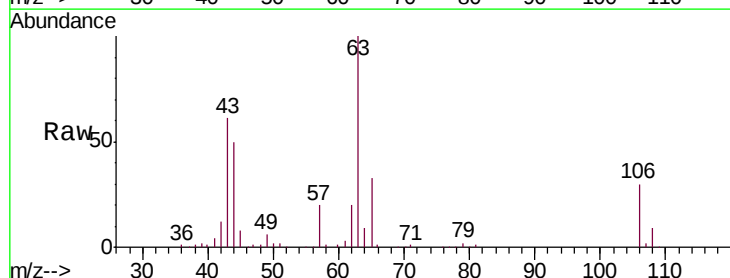
Acq: 2 Aug 2019 12:22

Tgt Ion: 63 Resp: 193730

Ion Ratio Lower Upper

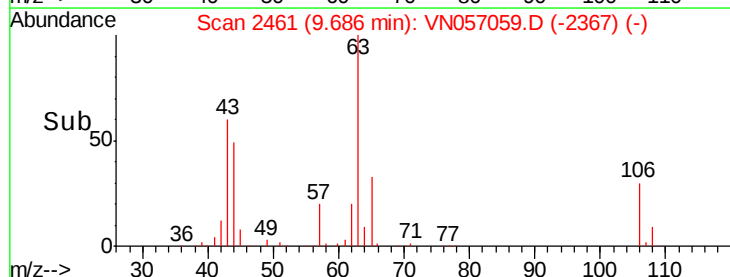
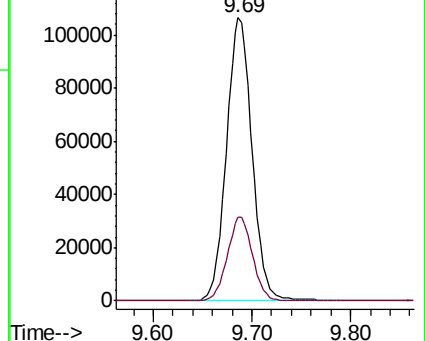
63 100

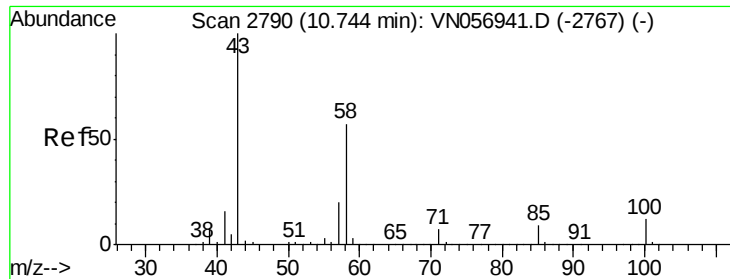
106 29.0 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

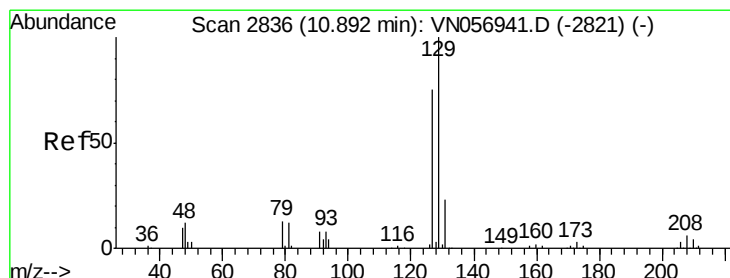
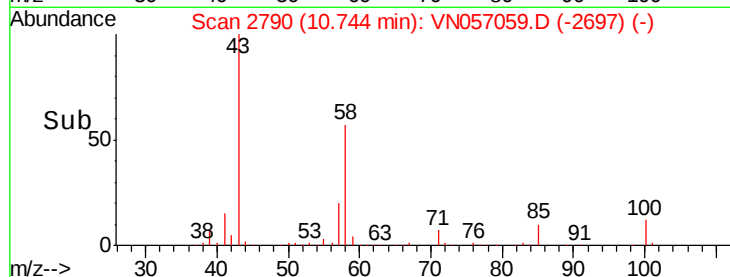
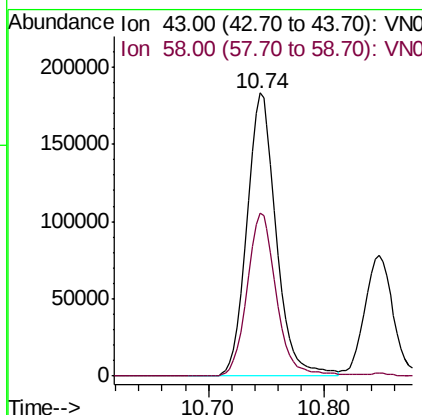
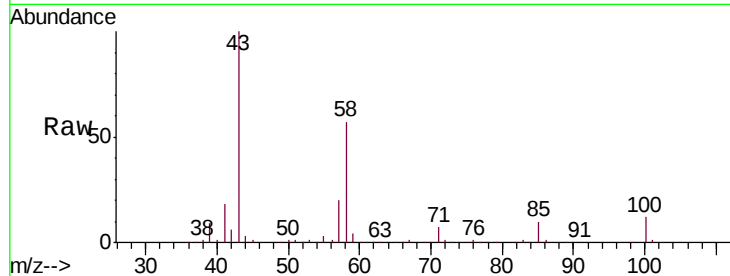




#59
2-Hexanone
Concen: 91.044 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

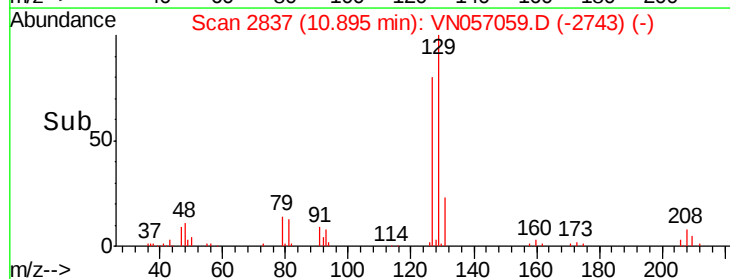
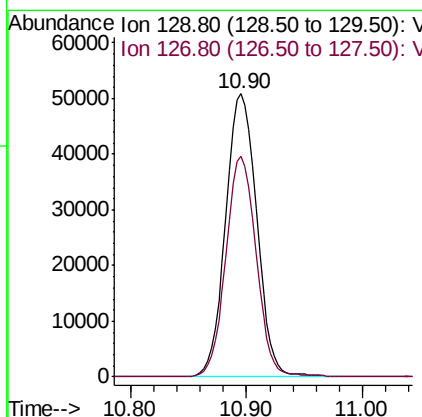
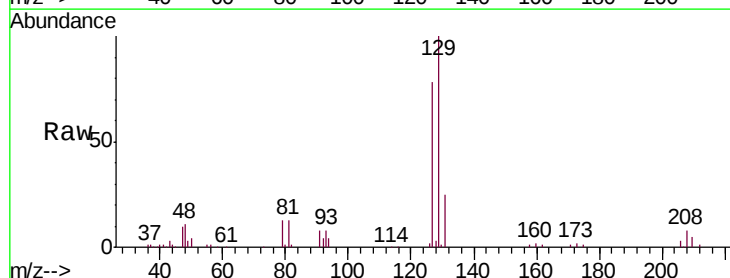
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

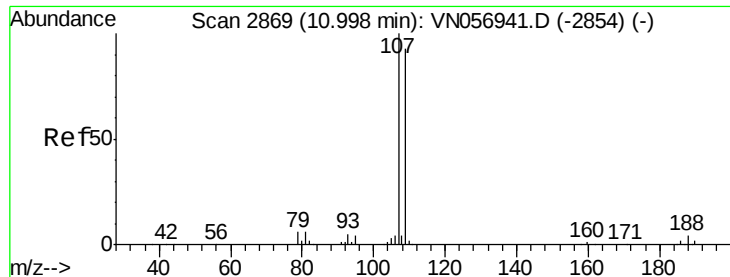
Tgt Ion: 43 Resp: 322904
Ion Ratio Lower Upper
43 100
58 57.6 28.5 85.5



#60
Dibromochloromethane
Concen: 20.863 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion: 129 Resp: 94549
Ion Ratio Lower Upper
129 100
127 76.0 38.0 113.9

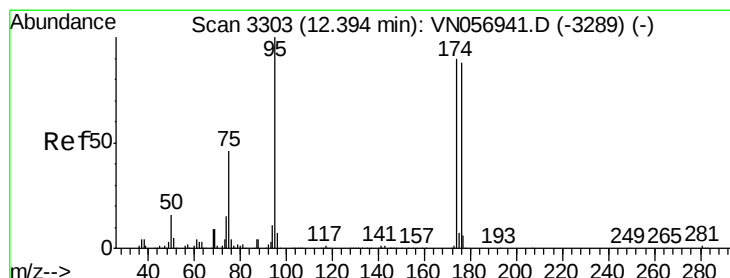
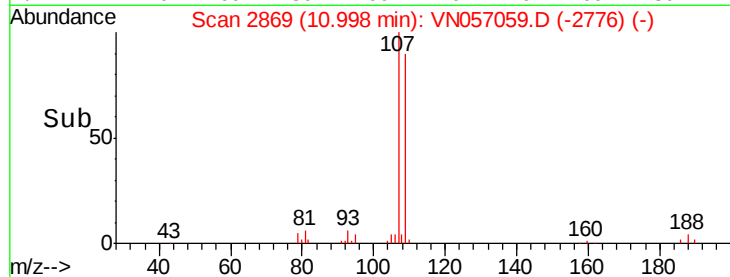
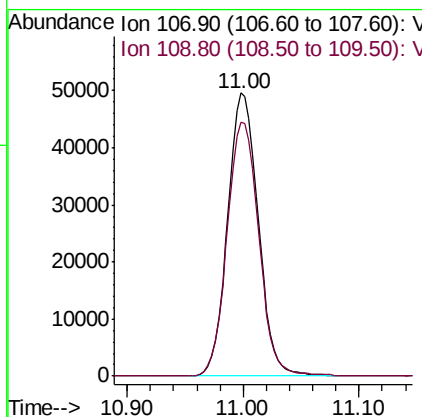
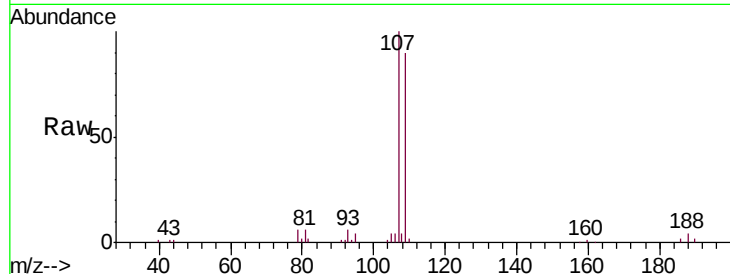




#61
 1,2-Dibromoethane
 Concen: 21.042 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

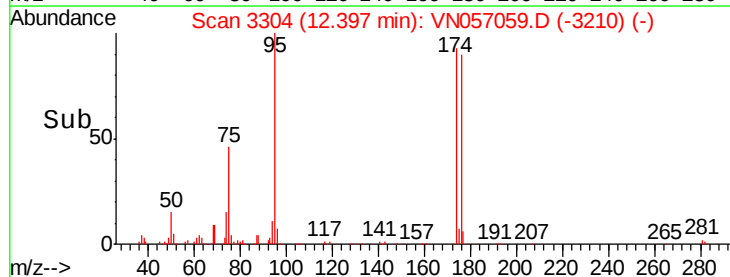
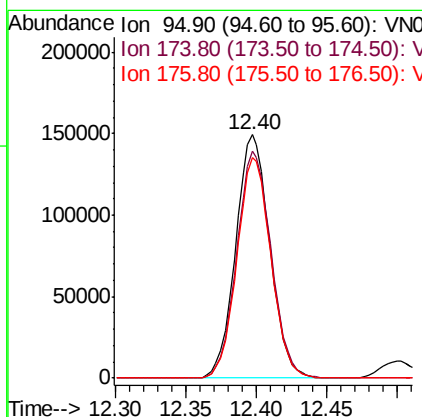
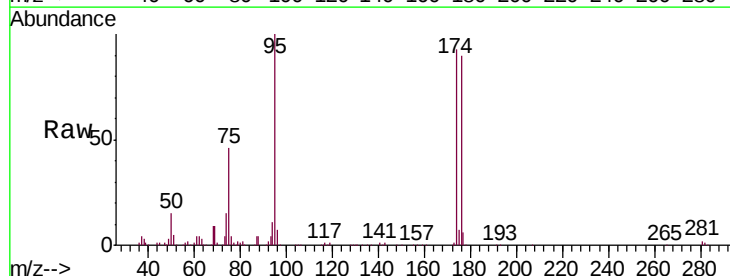
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

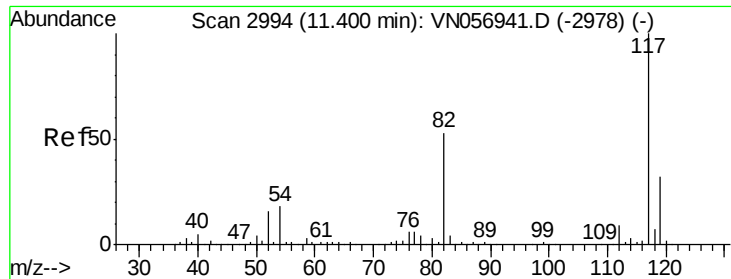
Tgt Ion: 107 Resp: 90835
 Ion Ratio Lower Upper
 107 100
 109 93.0 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 46.895 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion: 95 Resp: 252457
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 182.2
 176 90.2 0.0 179.4

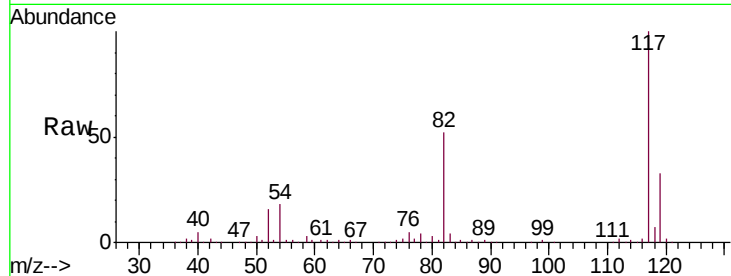




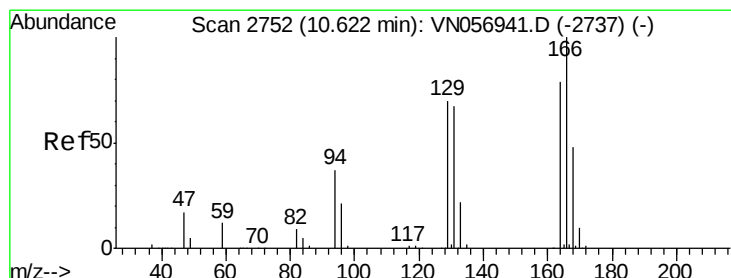
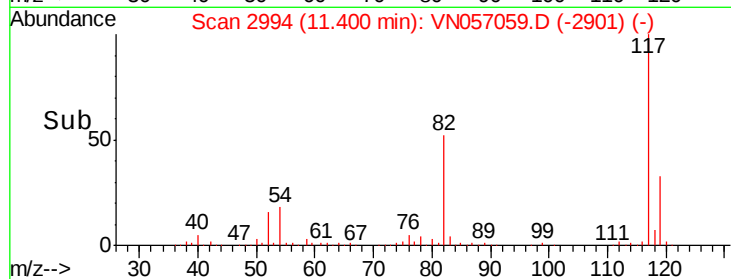
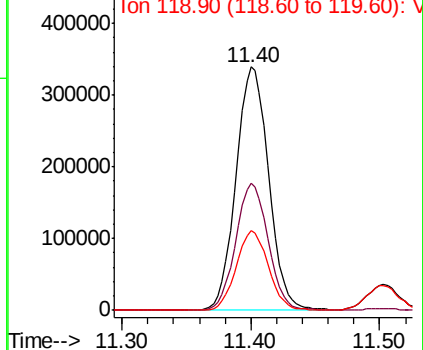
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tgt Ion:117 Resp: 599002
Ion Ratio Lower Upper
117 100
82 52.0 42.2 63.4
119 32.7 25.8 38.6

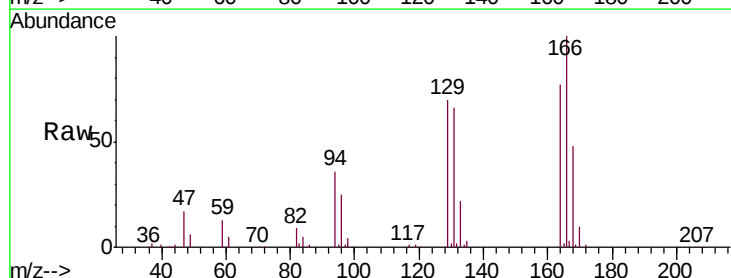


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

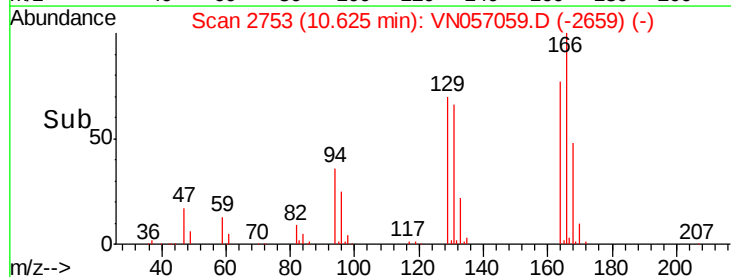
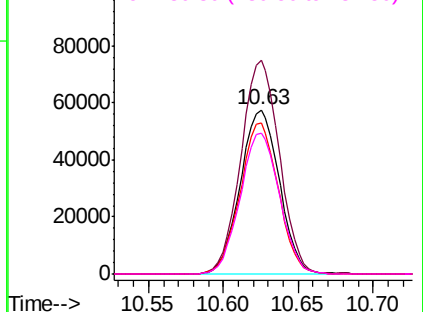


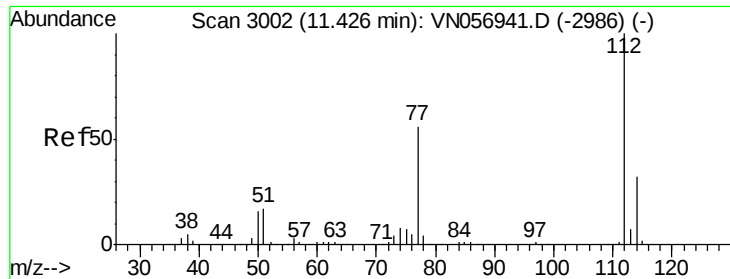
#64
Tetrachloroethene
Concen: 20.279 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion:164 Resp: 104679
Ion Ratio Lower Upper
164 100
166 130.3 101.1 151.7
129 91.8 70.9 106.3
131 86.2 67.7 101.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

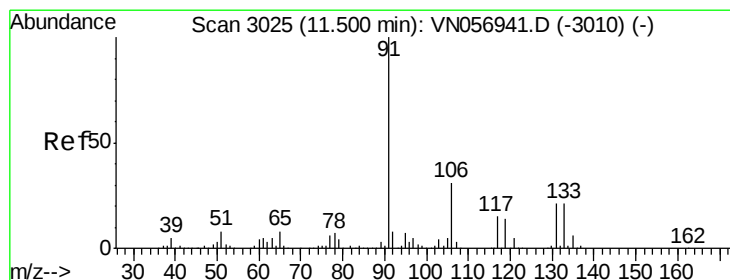
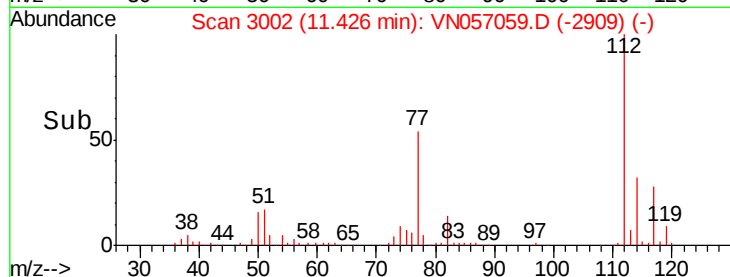
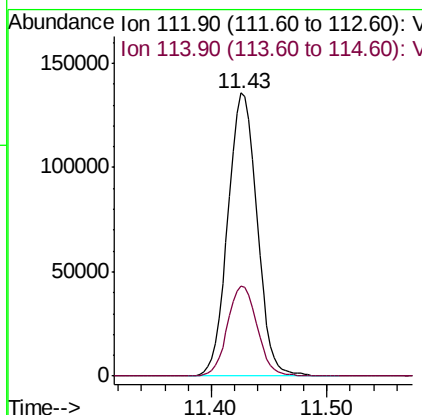
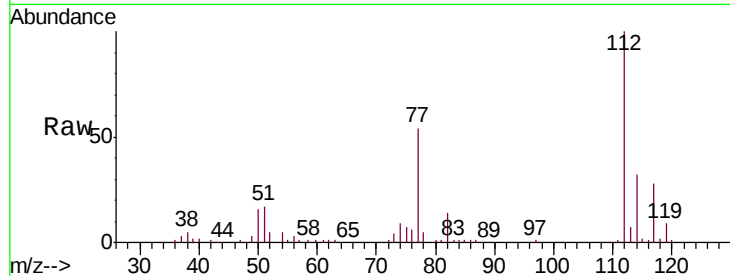




#65
Chlorobenzene
Concen: 19.442 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

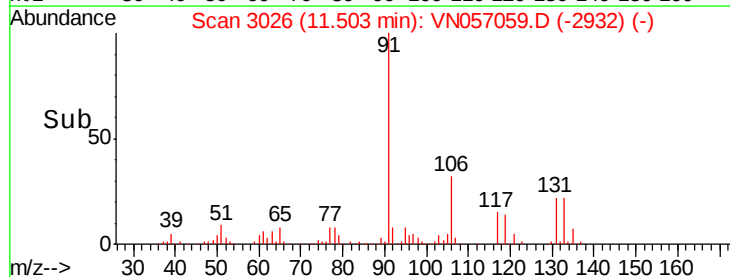
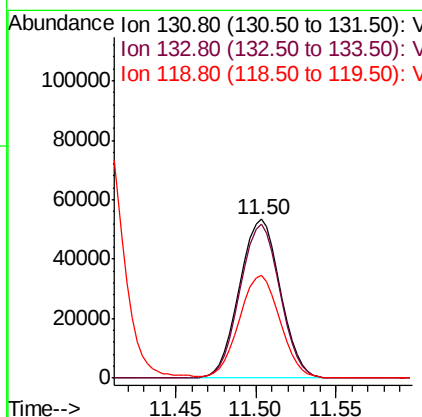
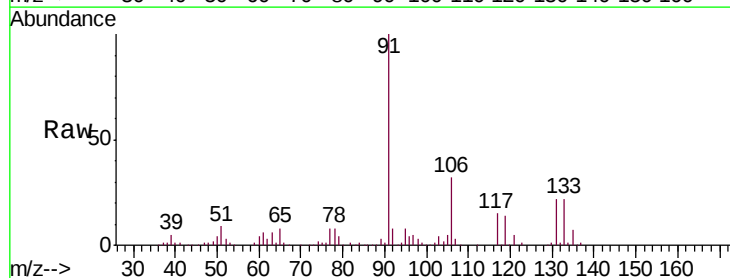
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

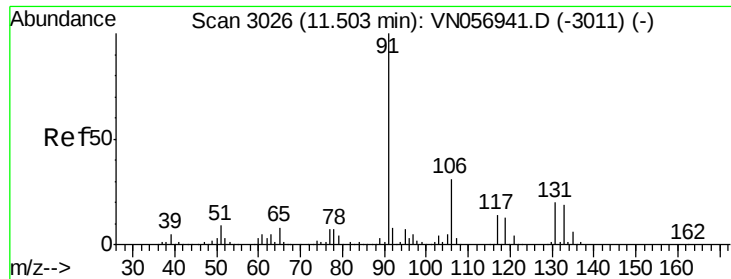
Tgt Ion:112 Resp: 237360
Ion Ratio Lower Upper
112 100
114 31.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.300 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion:131 Resp: 93282
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.0
119 64.9 33.2 99.6





#67

Ethyl Benzene

Concen: 19.283 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

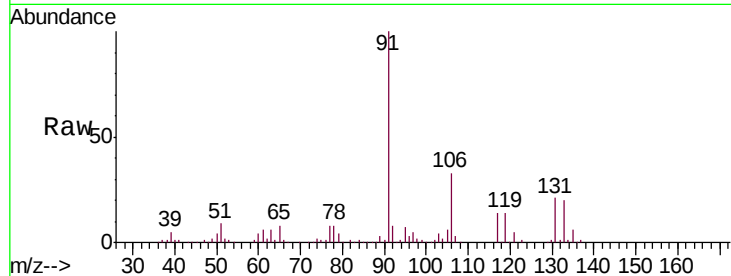
VN0802WBSD01

Tgt Ion: 91 Resp: 406875

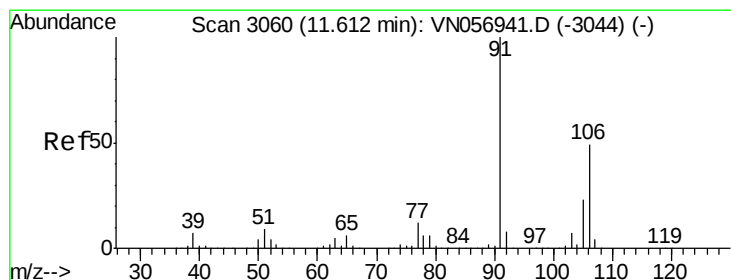
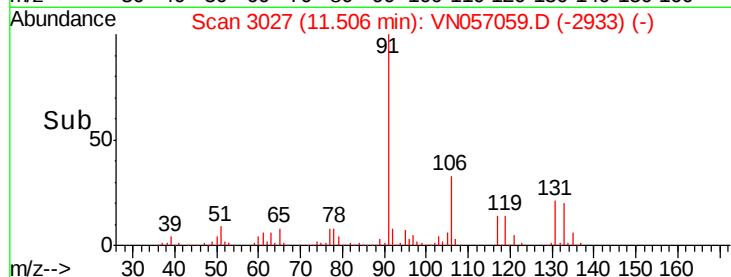
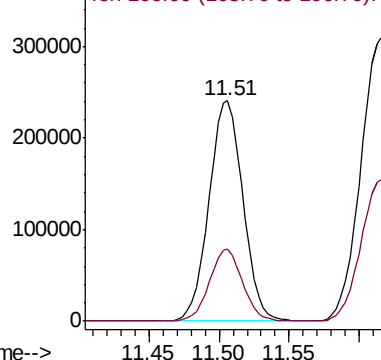
Ion Ratio Lower Upper

91 100

106 32.6 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3011) (-)



#68

m/p-Xylenes

Concen: 39.115 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN057059.D

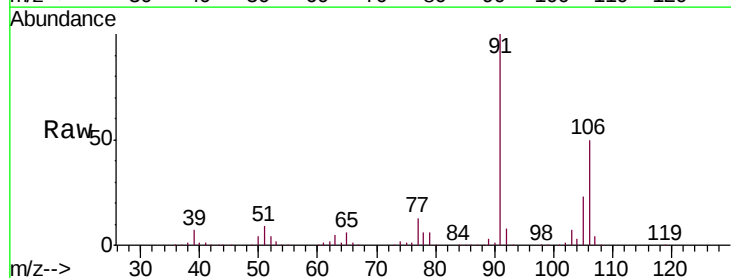
Acq: 2 Aug 2019 12:22

Tgt Ion: 106 Resp: 304591

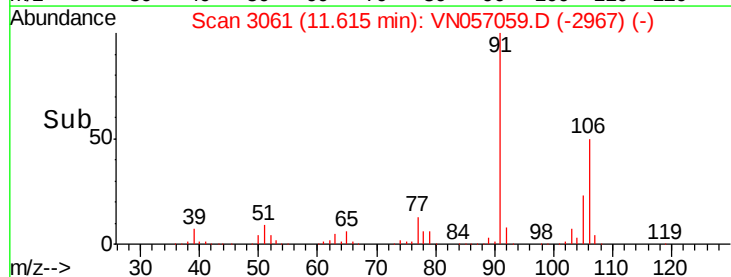
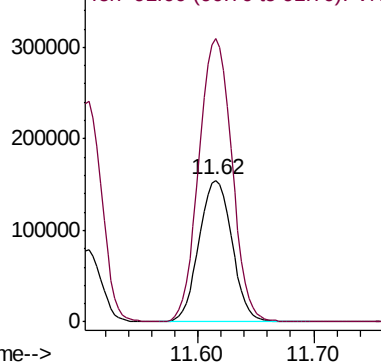
Ion Ratio Lower Upper

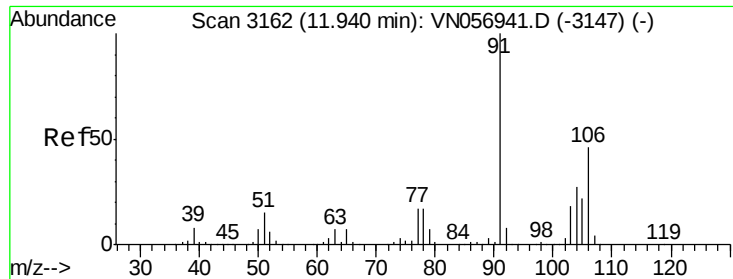
106 100

91 200.1 160.0 240.0



Abundance Ion 106.00 (105.70 to 106.70): VN056941.D (-3044) (-)

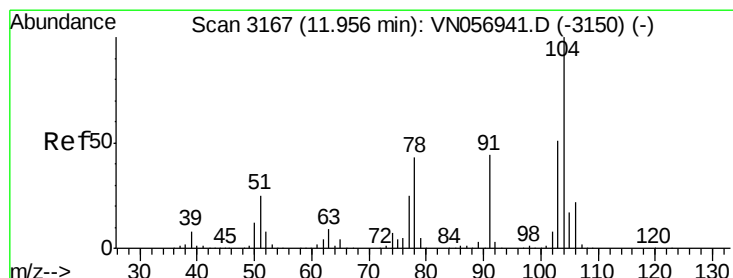
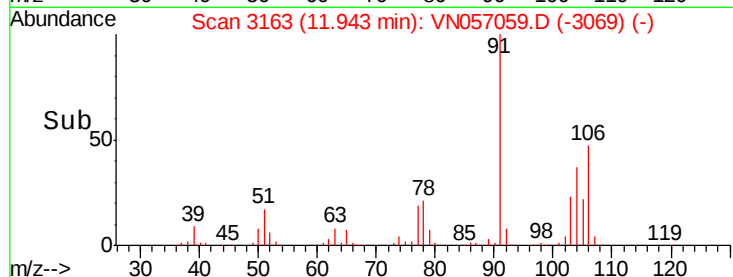
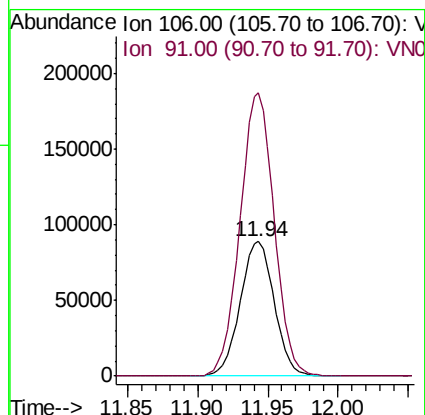
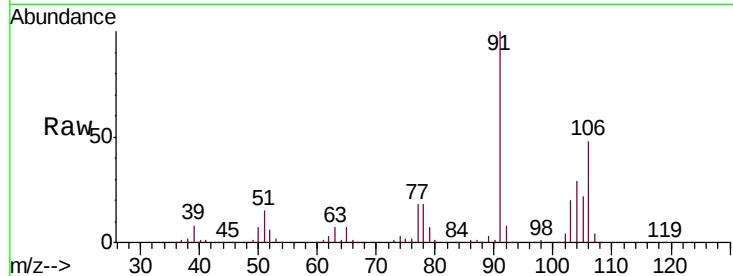




#69
o-Xylene
Concen: 19.776 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

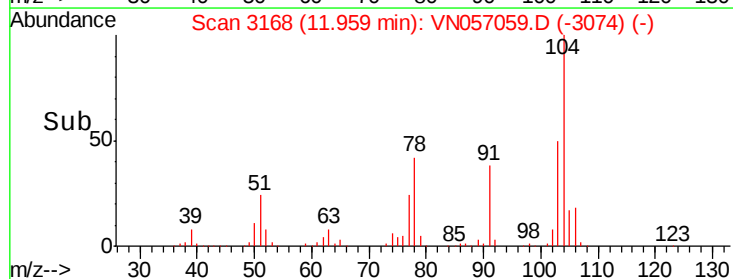
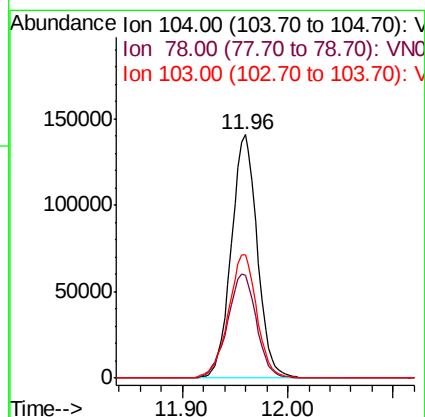
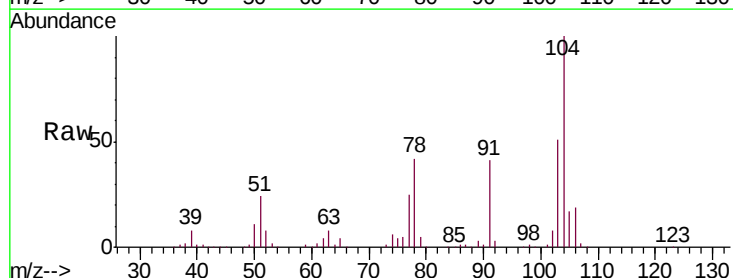
Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

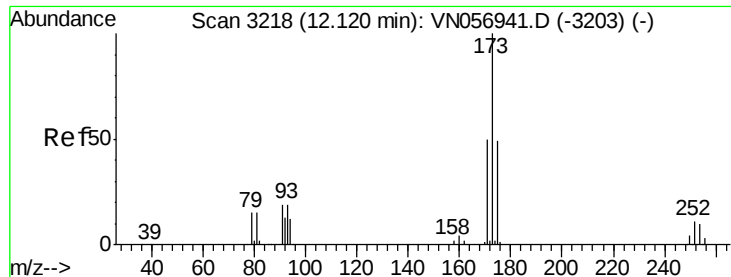
Tgt Ion:106 Resp: 150664
Ion Ratio Lower Upper
106 100
91 210.9 106.2 318.6



#70
Styrene
Concen: 19.033 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion:104 Resp: 240116
Ion Ratio Lower Upper
104 100
78 47.9 38.1 57.1
103 55.4 44.3 66.5





#71

Bromoform

Concen: 20.079 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

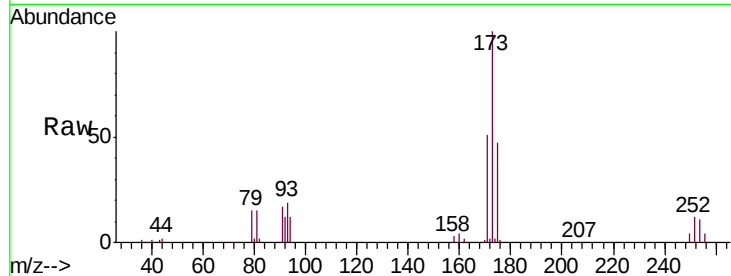
Tgt Ion:173 Resp: 64415

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.4

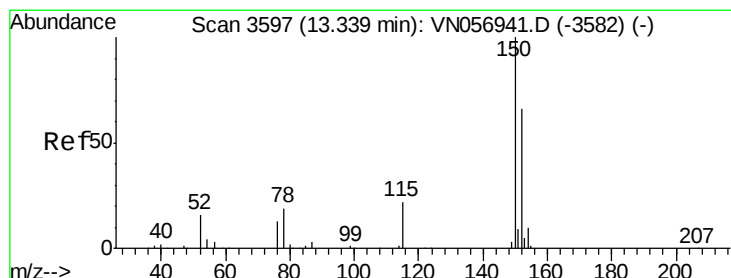
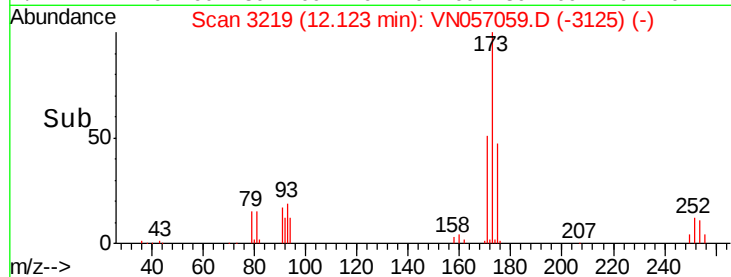
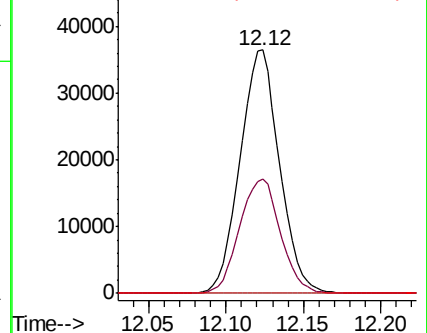
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

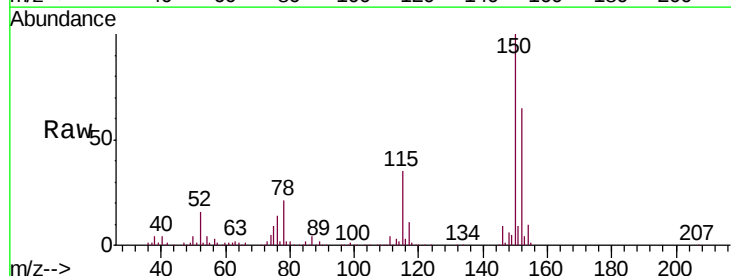
Tgt Ion:152 Resp: 218708

Ion Ratio Lower Upper

152 100

115 54.9 28.2 84.6

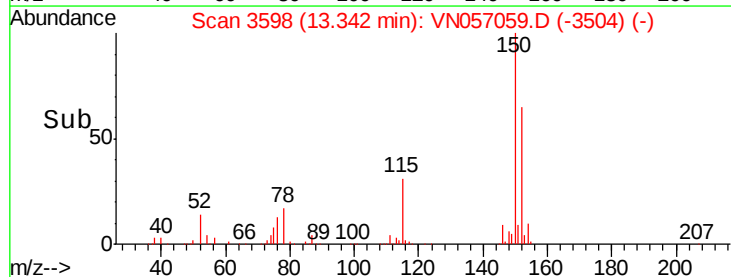
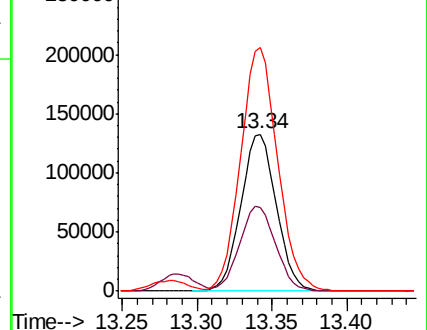
150 162.7 0.0 349.4

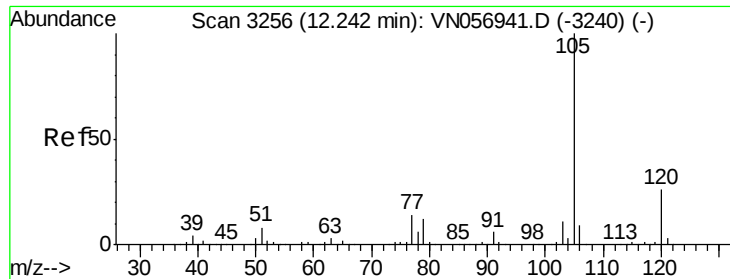


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.393 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

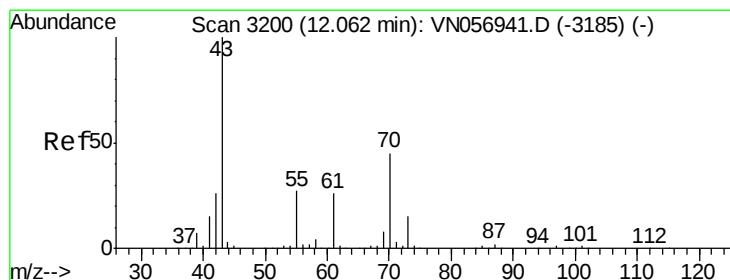
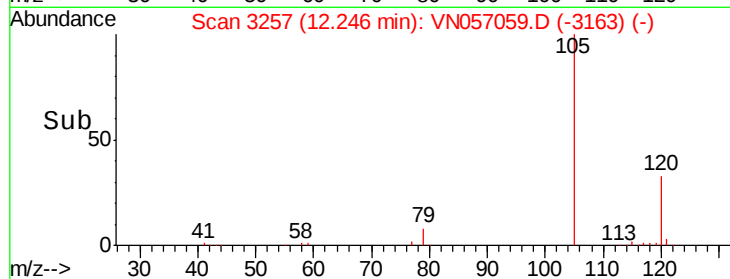
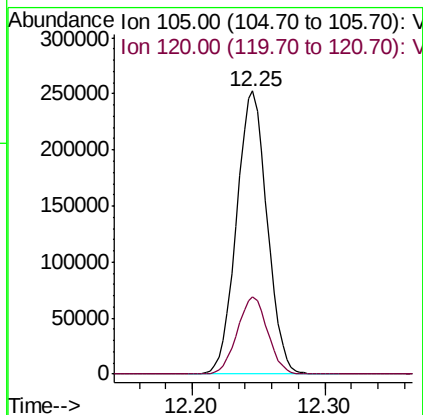
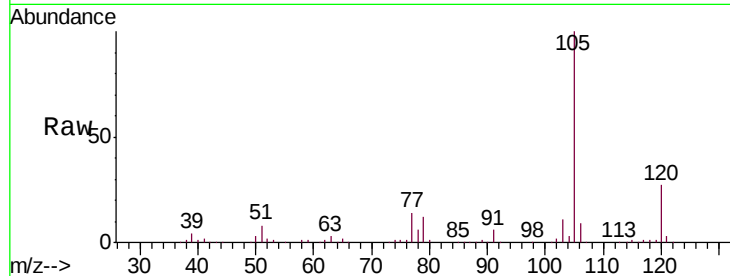
VN0802WBSD01

Tgt Ion:105 Resp: 404372

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



#74

N-ethyl acetate

Concen: 20.854 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Tgt Ion: 43 Resp: 114456

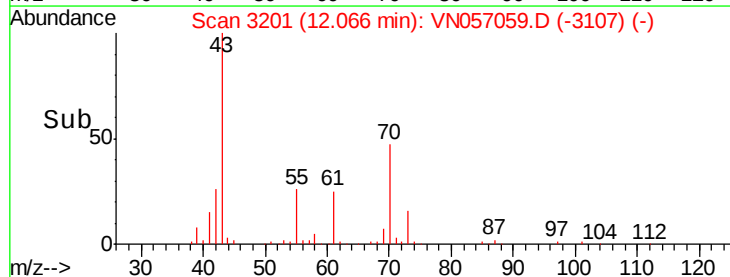
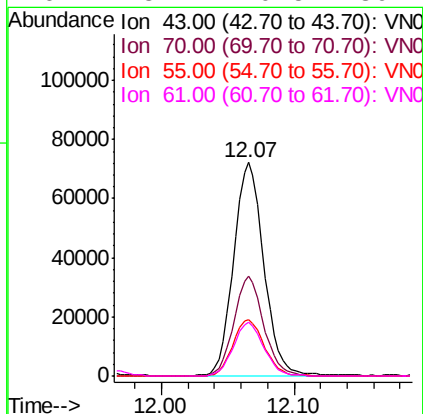
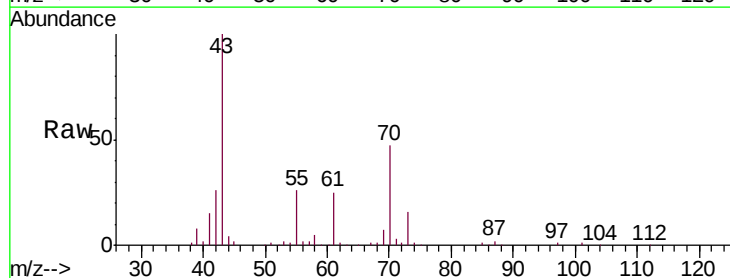
Ion Ratio Lower Upper

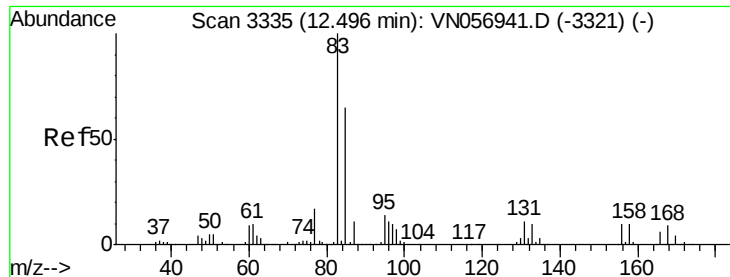
43 100

70 45.9 36.5 54.7

55 27.3 21.4 32.0

61 25.4 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.606 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampled :

VN0802WBSD01

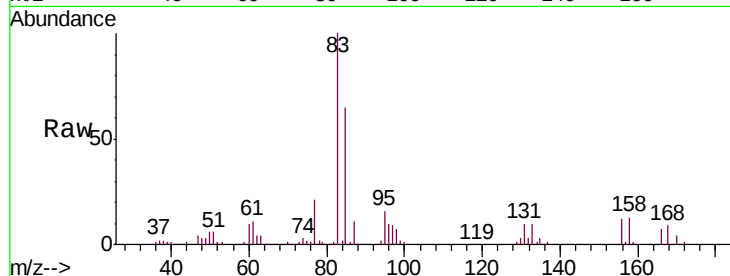
Tgt Ion: 83 Resp: 114689

Ion Ratio Lower Upper

83 100

131 10.4 5.3 16.1

85 64.9 32.5 97.4

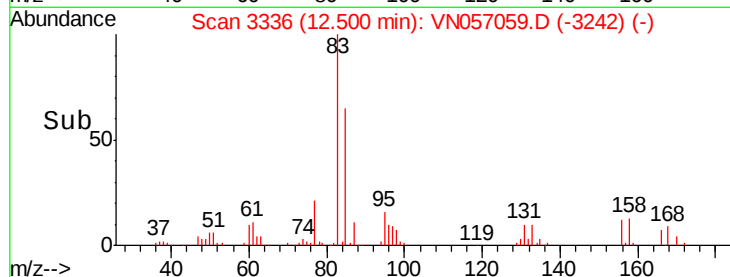


Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-3321) (-)

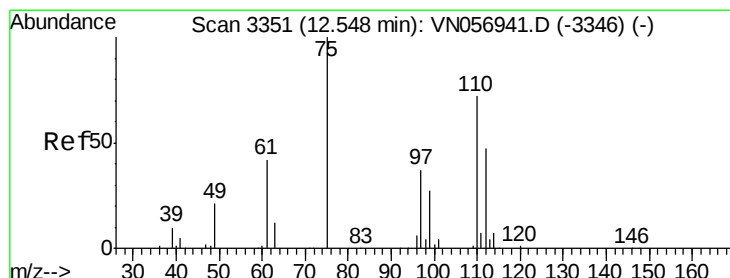
Ion 130.80 (130.50 to 131.50): VN056941.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN056941.D (-3321) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 30.306 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN057059.D

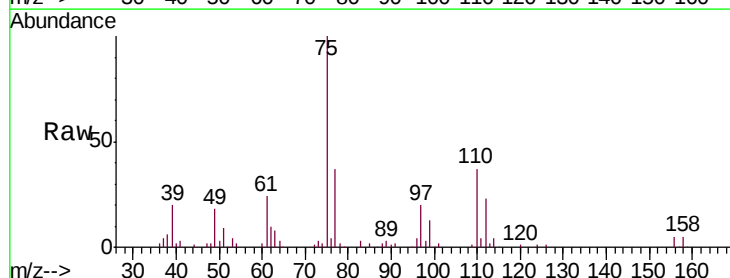
Acq: 2 Aug 2019 12:22

Tgt Ion: 75 Resp: 134606

Ion Ratio Lower Upper

75 100

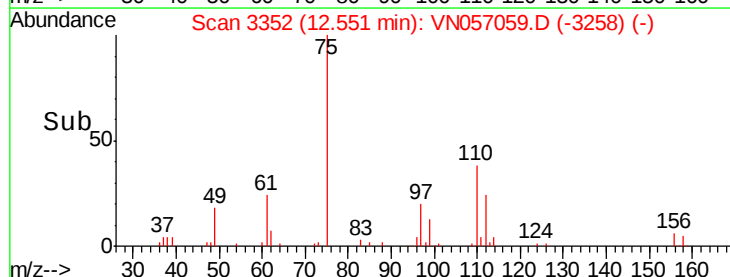
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3346) (-)

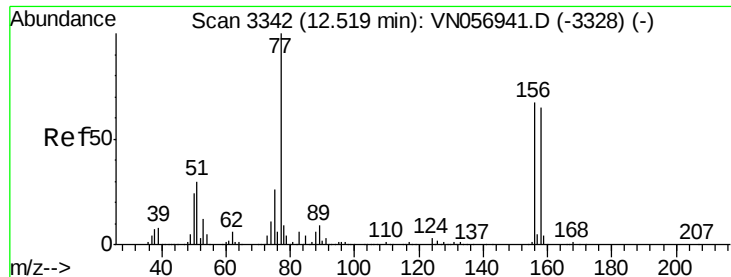
Ion 77.00 (76.70 to 77.70): VN056941.D (-3346) (-)

Time-->



Time-->

Time-->



#77

Bromobenzene

Concen: 21.222 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

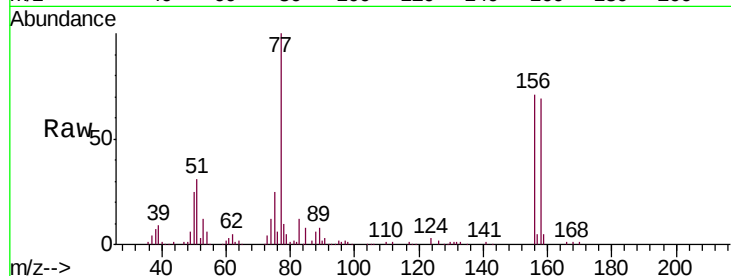
Tgt Ion:156 Resp: 104690

Ion Ratio Lower Upper

156 100

77 174.3 89.5 268.5

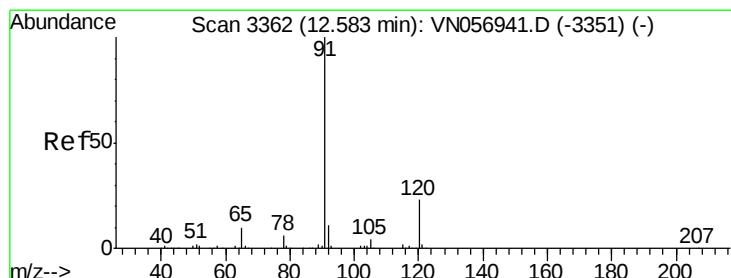
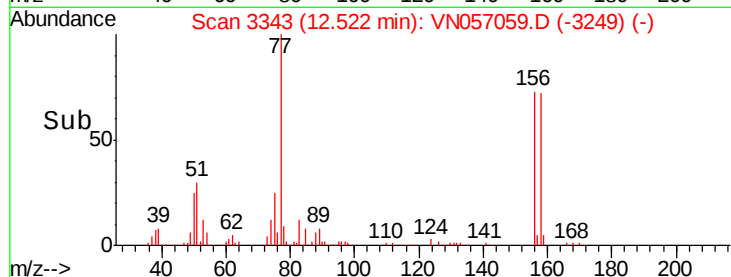
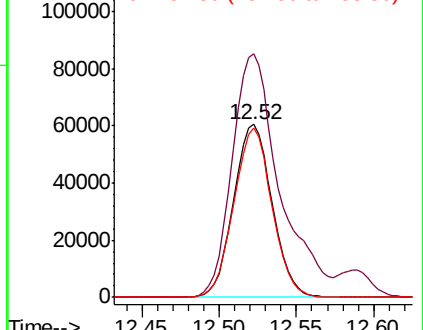
158 96.9 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.384 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057059.D

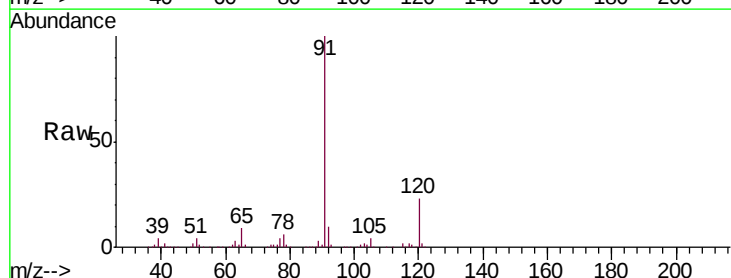
Acq: 2 Aug 2019 12:22

Tgt Ion: 91 Resp: 411386

Ion Ratio Lower Upper

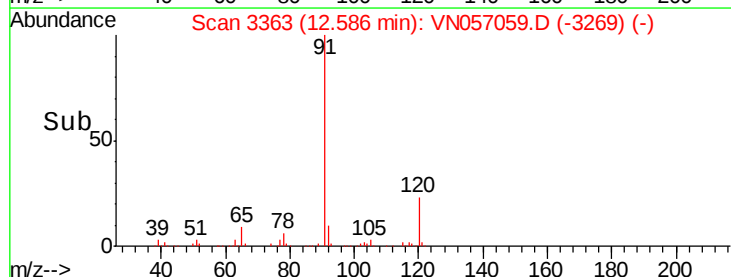
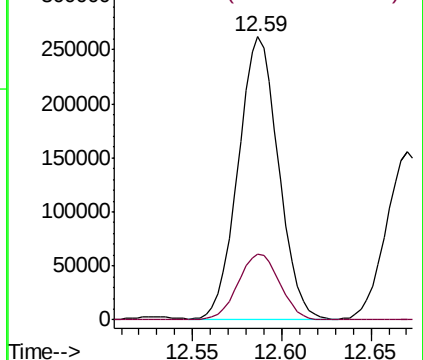
91 100

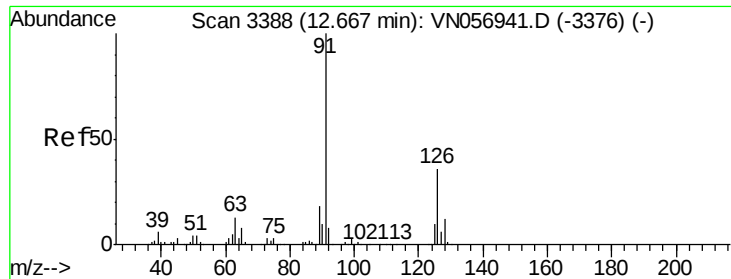
120 24.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

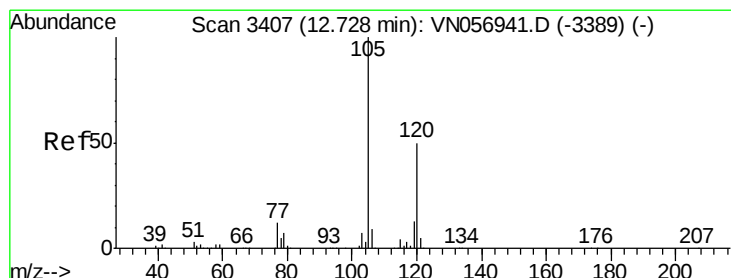
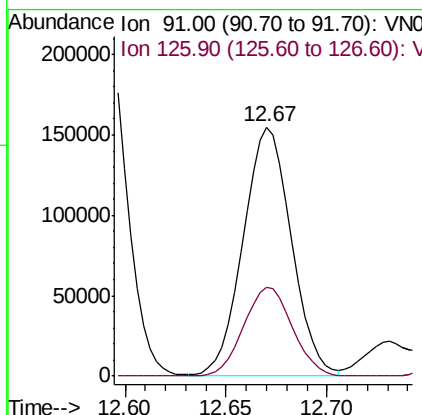
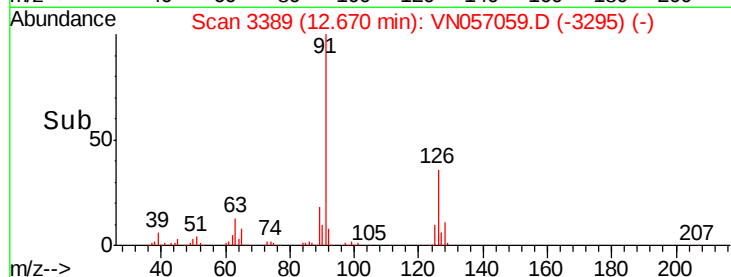
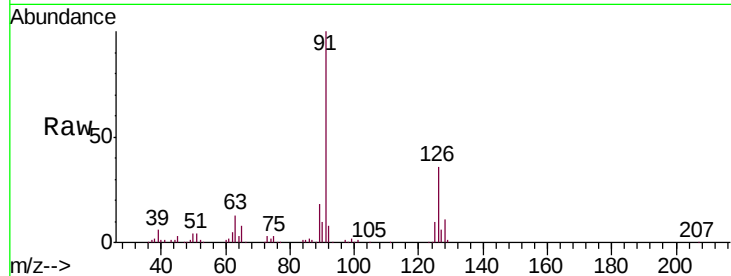




#79
 2-Chlorotoluene
 Concen: 20.701 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

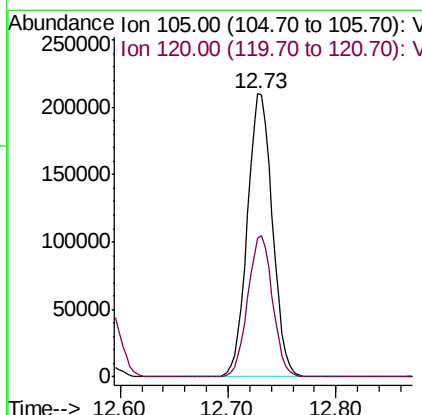
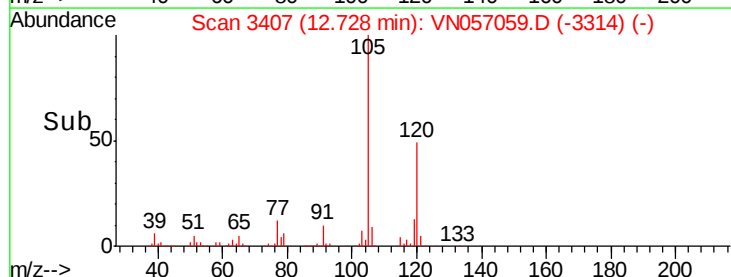
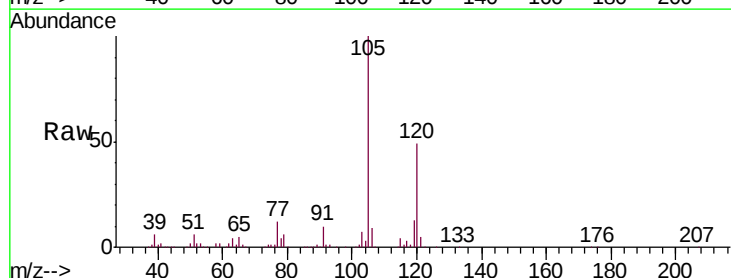
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

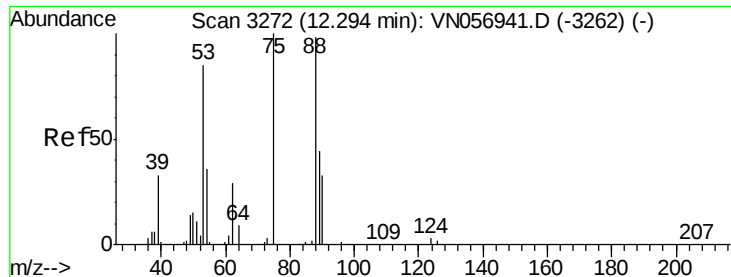
Tgt Ion: 91 Resp: 257258
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.797 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion: 105 Resp: 338143
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.752 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

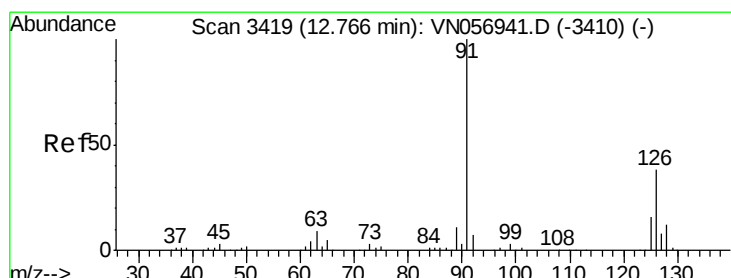
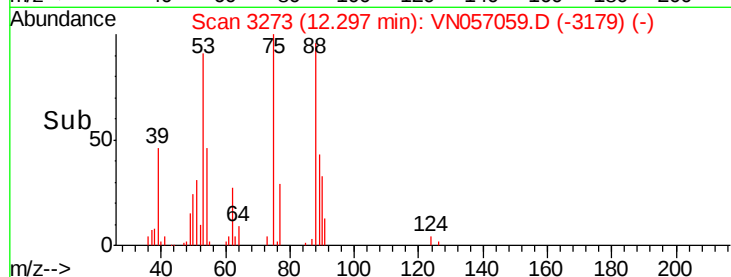
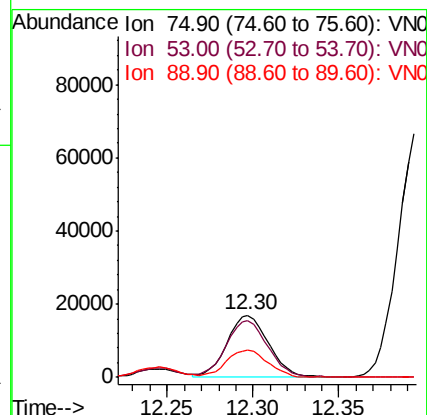
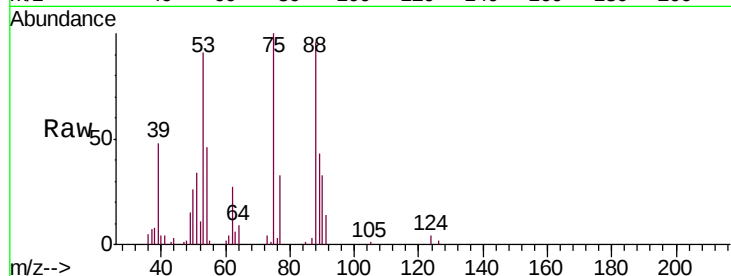
Tgt Ion: 75 Resp: 28687

Ion Ratio Lower Upper

75 100

53 92.1 69.3 103.9

89 43.8 35.8 53.6



#82

4-Chlorotoluene

Concen: 20.196 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN057059.D

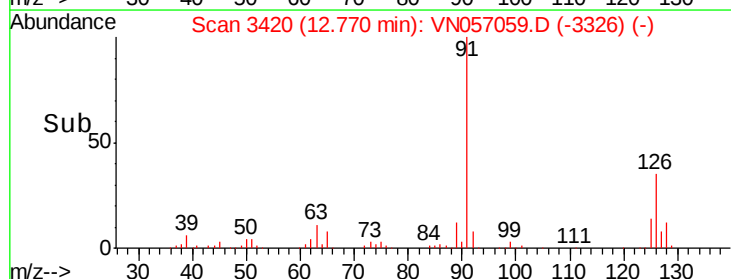
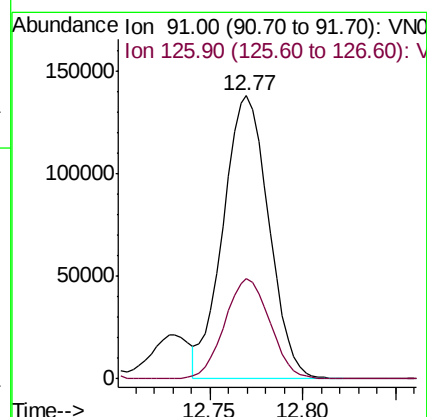
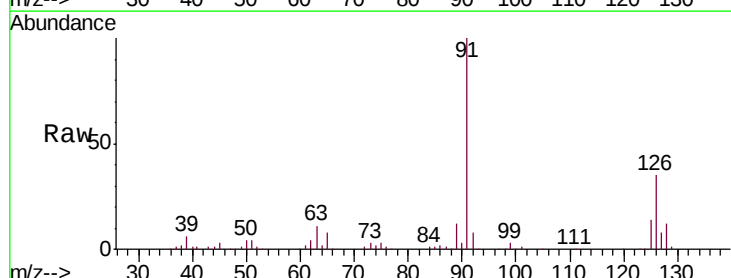
Acq: 2 Aug 2019 12:22

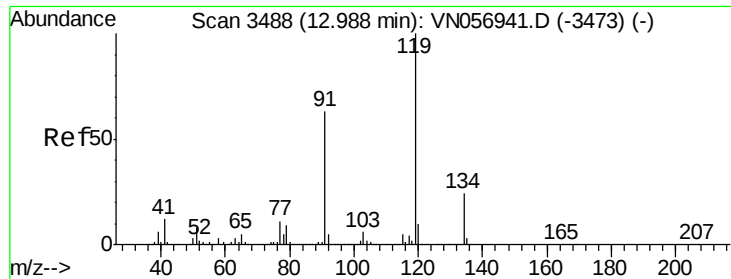
Tgt Ion: 91 Resp: 234869

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.5

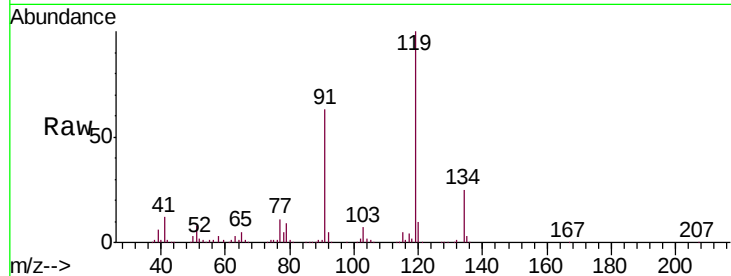




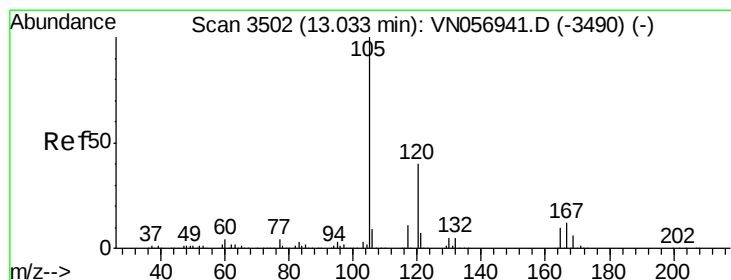
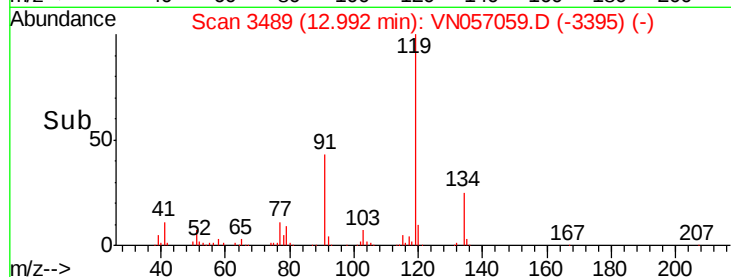
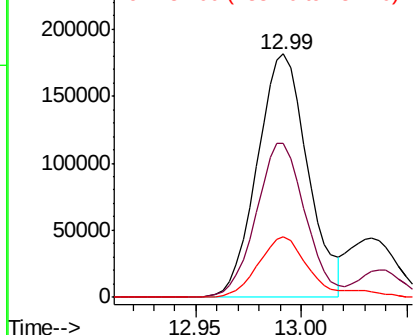
#83
 tert-Butylbenzene
 Concen: 22.069 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tgt Ion:119 Resp: 303081
 Ion Ratio Lower Upper
 119 100
 91 61.5 31.3 93.8
 134 24.1 13.3 39.8

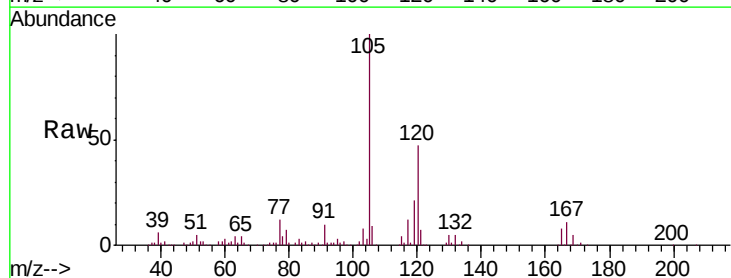


Abundance Ion 119.00 (118.70 to 119.70): V
 250000
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

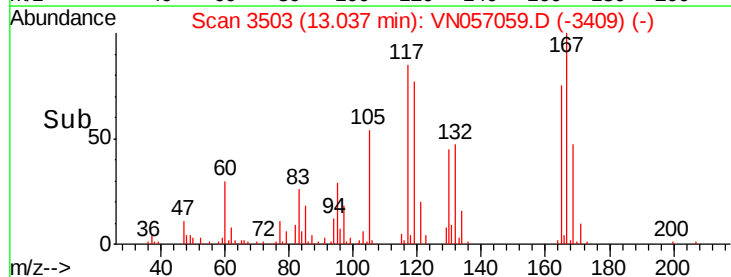
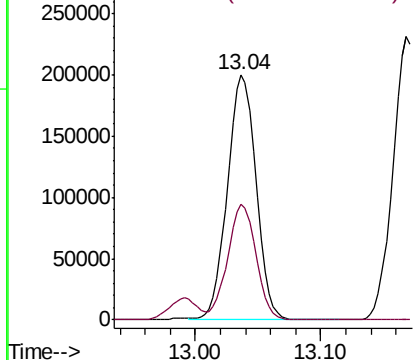


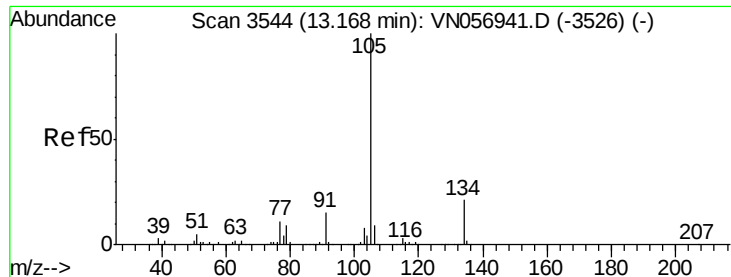
#84
 1,2,4-Trimethylbenzene
 Concen: 21.288 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion:105 Resp: 317771
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V
 250000
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.853 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

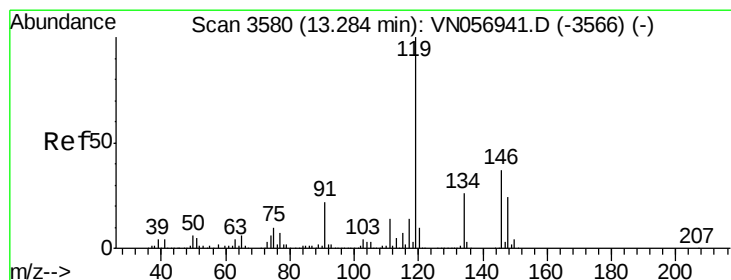
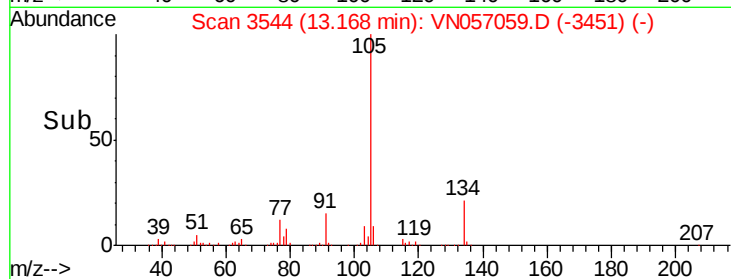
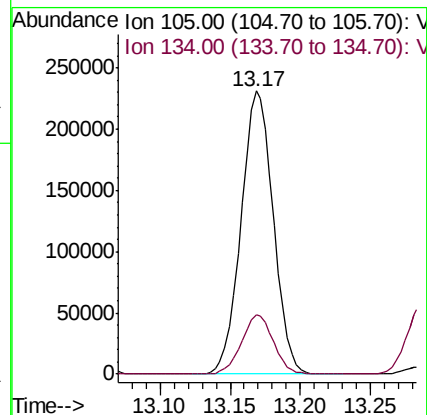
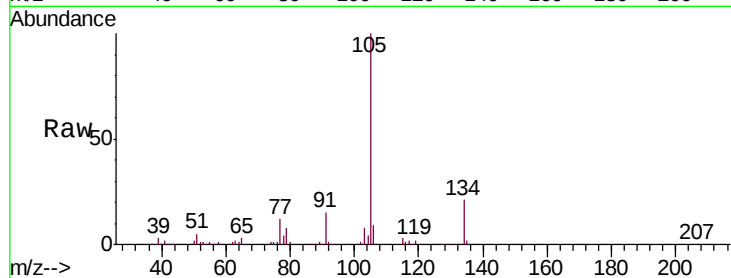
VN0802WBSD01

Tgt Ion:105 Resp: 369385

Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.728 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

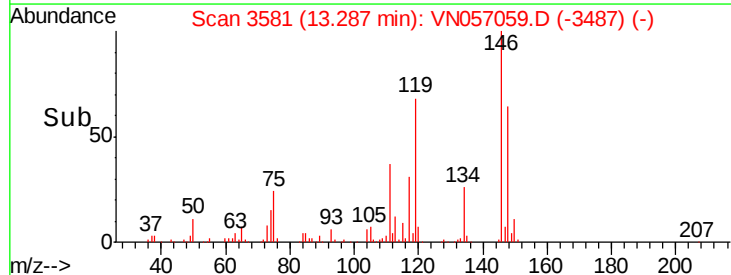
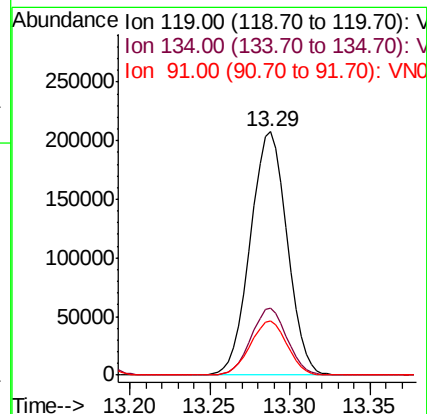
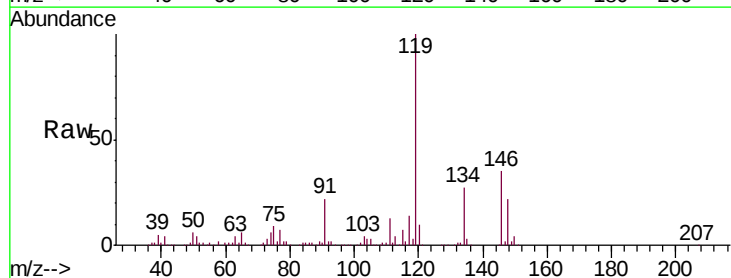
Tgt Ion:119 Resp: 325992

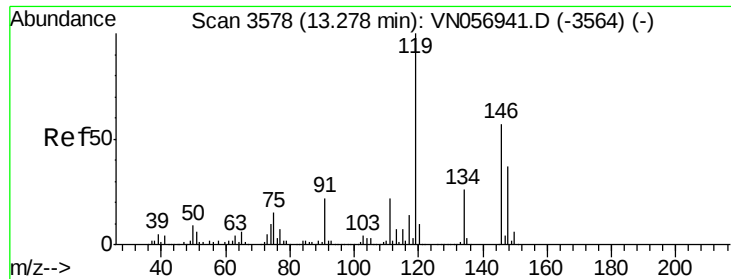
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.2 11.0 33.0

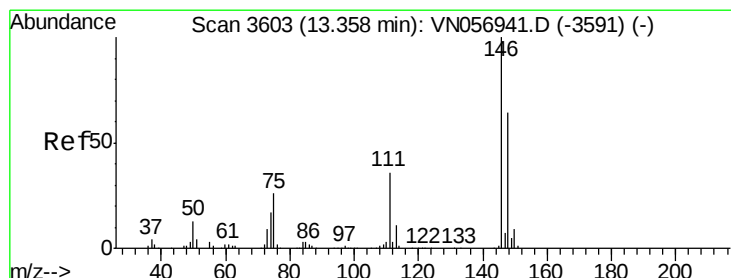
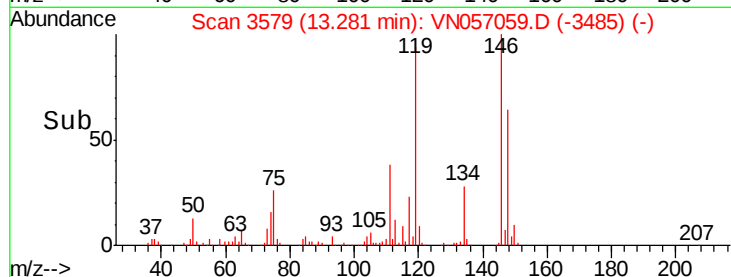
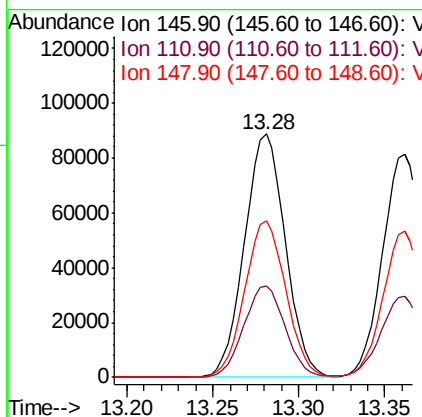
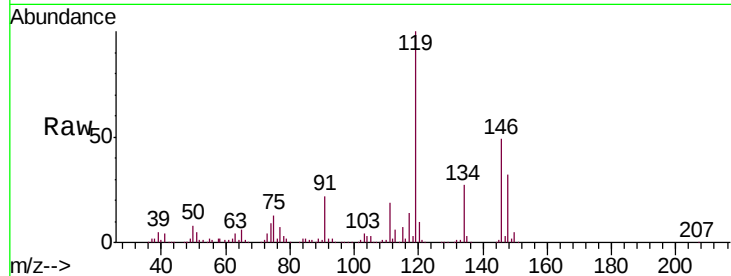




#87
 1,3-Dichlorobenzene
 Concen: 19.600 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

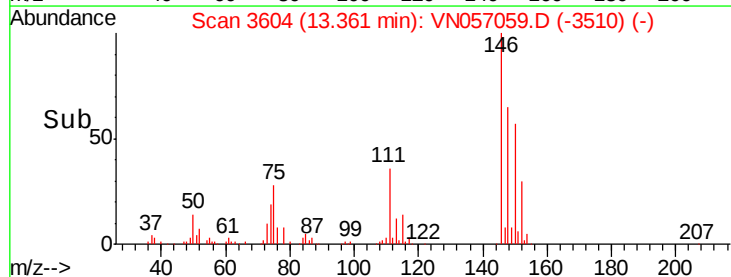
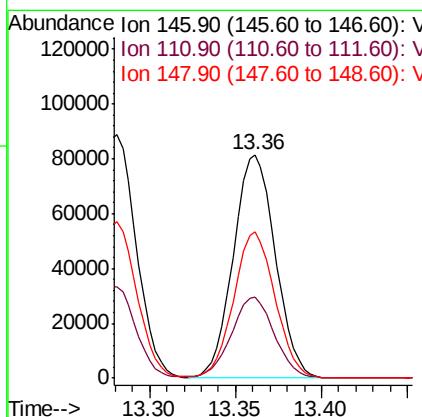
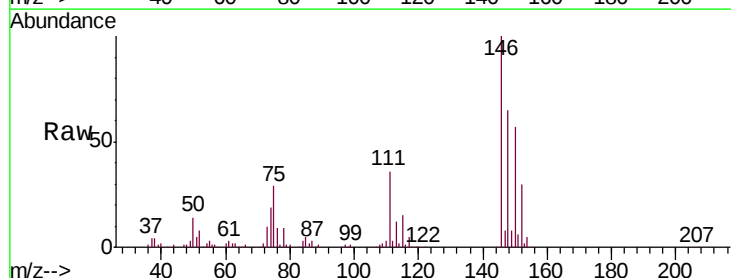
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

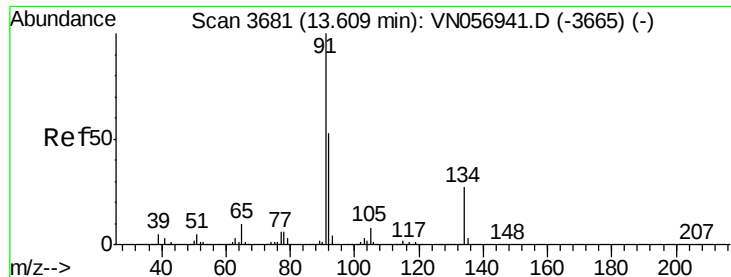
Tgt Ion:146 Resp: 147075
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.8
 148 64.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.131 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion:146 Resp: 138203
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.4 55.2
 148 64.7 32.3 96.9





#89

n-Butylbenzene

Concen: 18.540 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

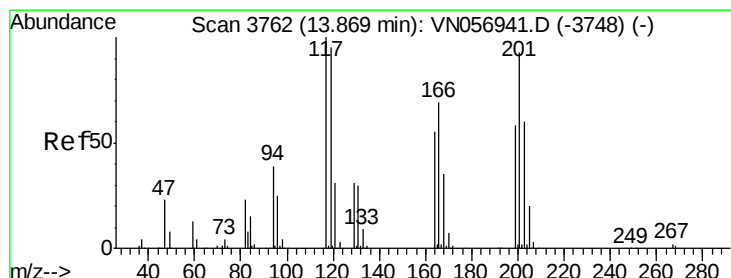
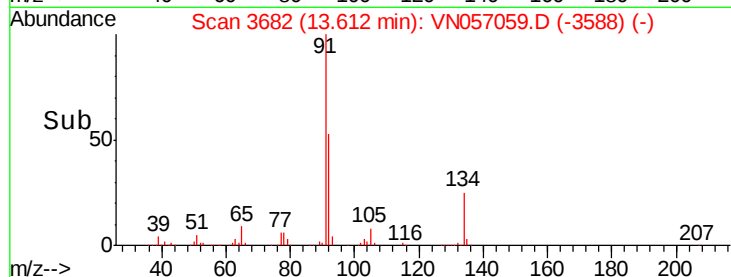
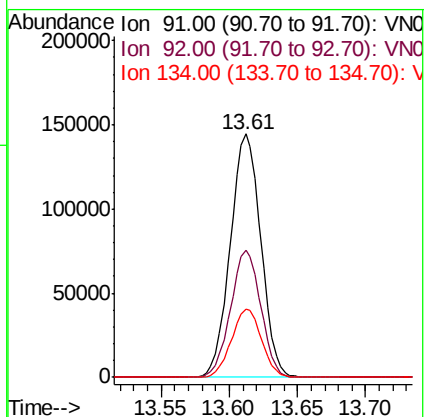
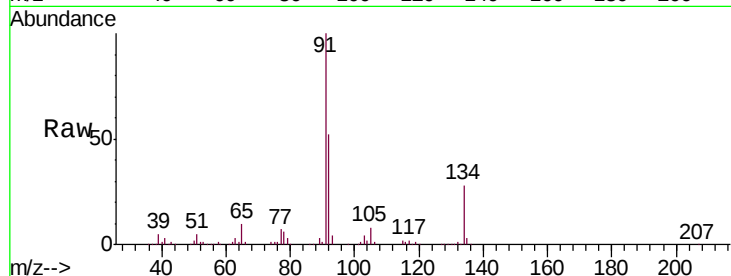
Tgt Ion: 91 Resp: 224718

Ion Ratio Lower Upper

91 100

92 51.4 26.2 78.5

134 27.7 13.5 40.4



#90

Hexachloroethane

Concen: 21.234 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN057059.D

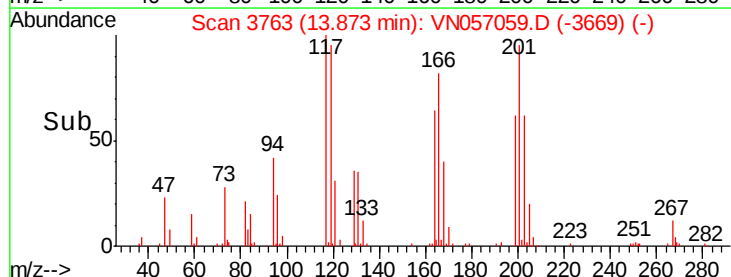
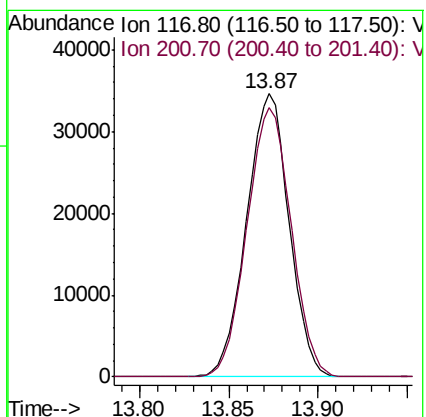
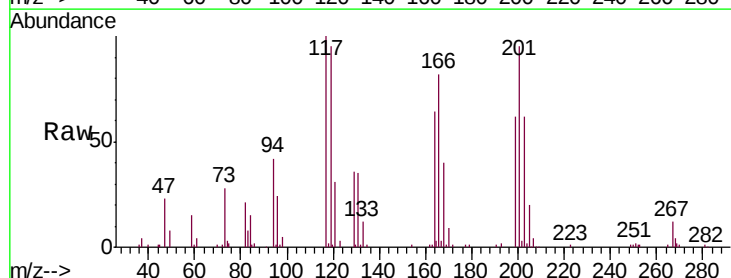
Acq: 2 Aug 2019 12:22

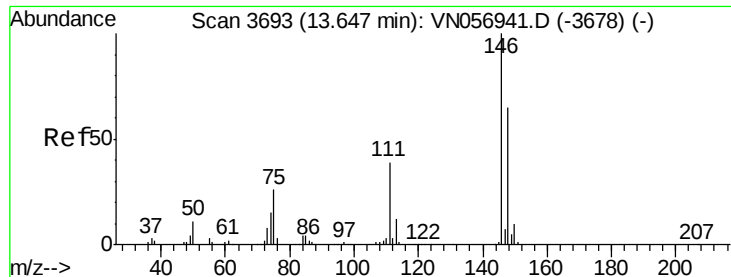
Tgt Ion: 117 Resp: 57503

Ion Ratio Lower Upper

117 100

201 99.0 47.0 141.2





#91

1,2-Dichlorobenzene

Concen: 20.470 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

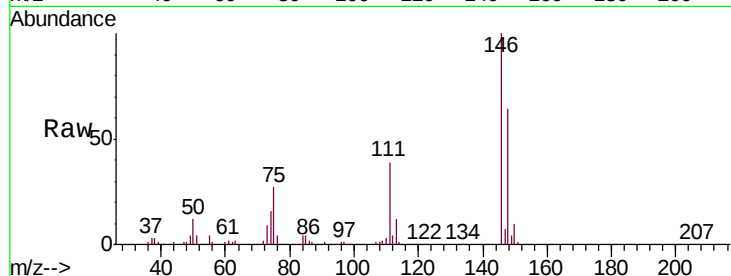
Tgt Ion:146 Resp: 151182

Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.4

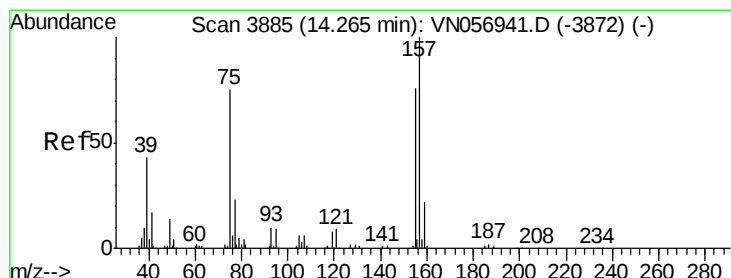
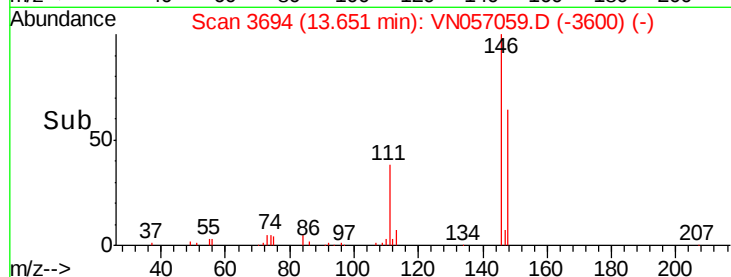
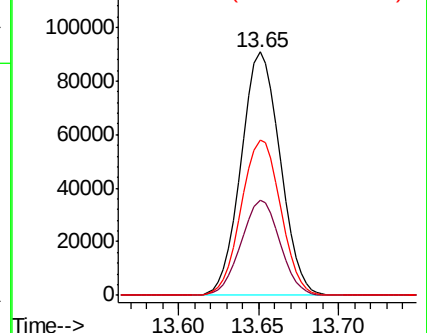
148 64.5 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.313 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

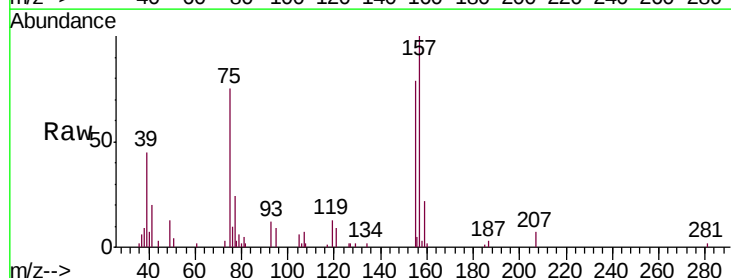
Tgt Ion: 75 Resp: 15271

Ion Ratio Lower Upper

75 100

155 101.6 50.2 150.6

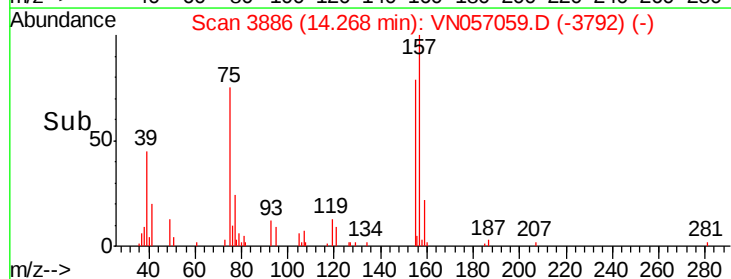
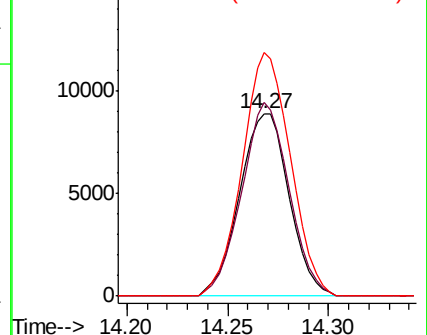
157 130.2 65.1 195.4

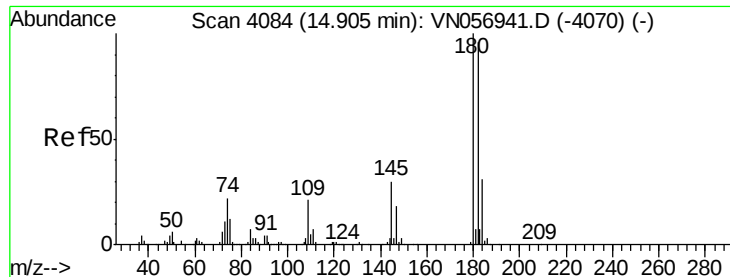


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

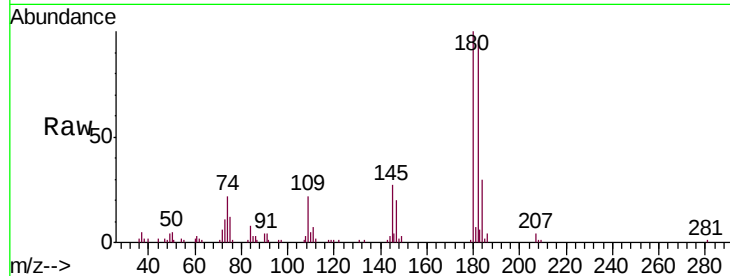




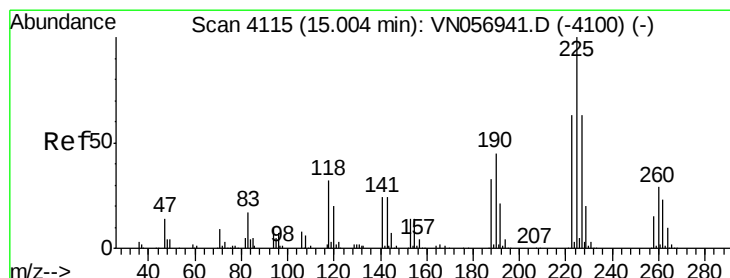
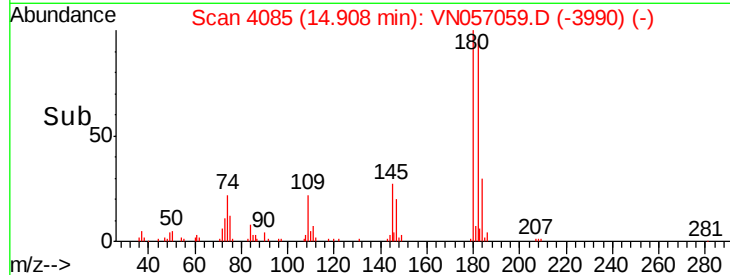
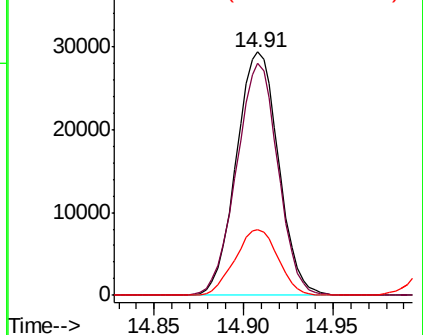
#93
 1,2,4-Trichlorobenzene
 Concen: 14.779 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tgt Ion:180 Resp: 48611
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.6 142.8
 145 27.6 14.2 42.8

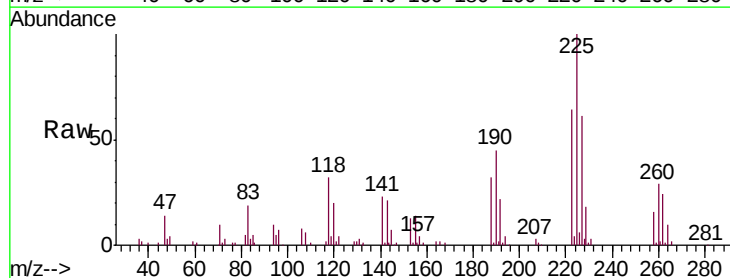


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

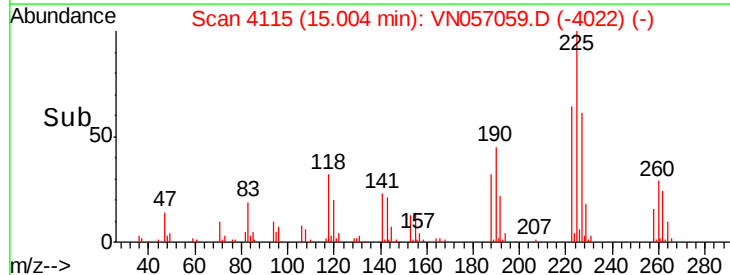
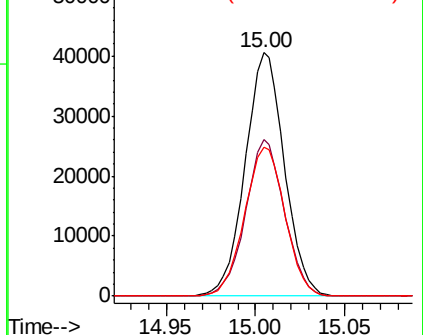


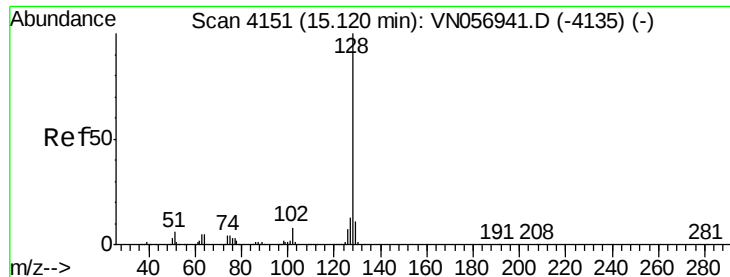
#94
 Hexachlorobutadiene
 Concen: 22.376 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion:225 Resp: 62458
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.8 92.4
 227 62.8 31.1 93.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.321 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

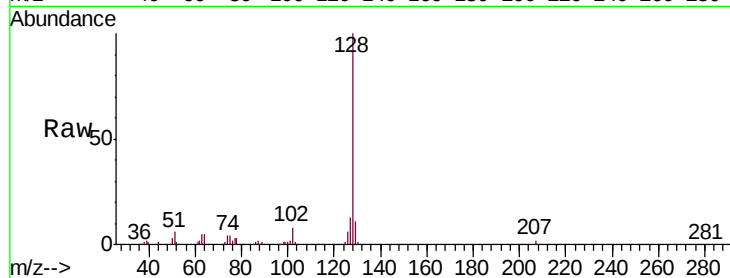
Tgt Ion:128 Resp: 117461

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

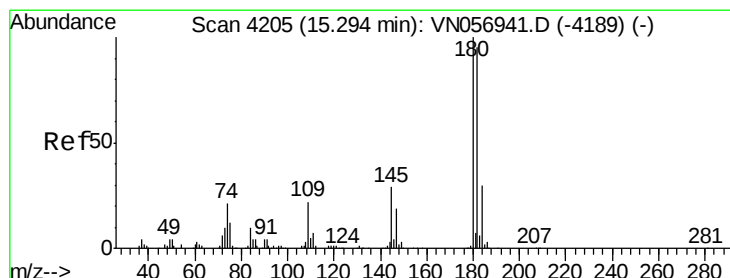
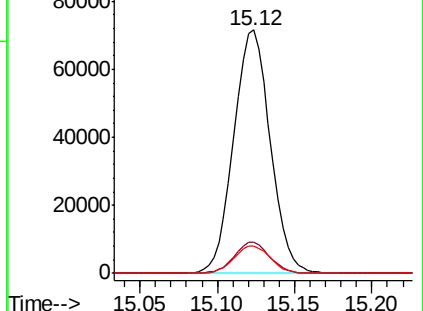
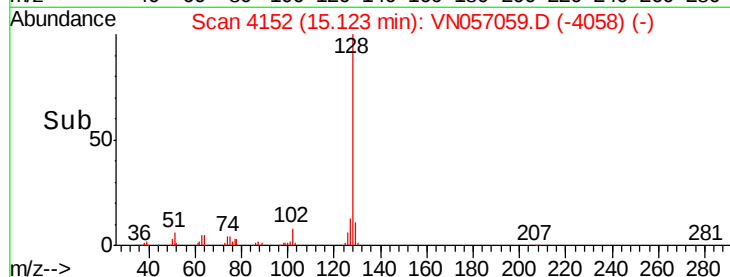
129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.317 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

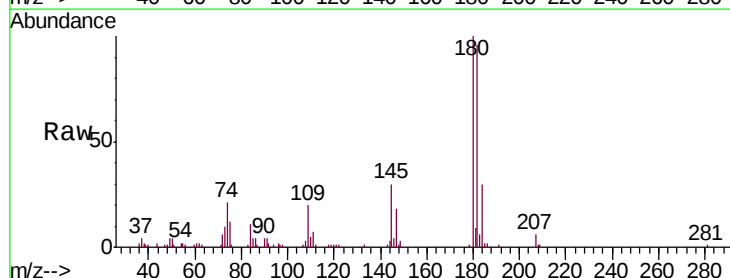
Tgt Ion:180 Resp: 57276

Ion Ratio Lower Upper

180 100

182 98.5 48.0 144.2

145 29.8 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

