

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057443.D
 Acq On : 22 Aug 2019 19:34
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

Quant Time: Aug 23 05:11:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	401110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	728352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	661519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	247843	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	360666	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.57	113	244259	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.08	98	977899	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.40	95	336866	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	267277	56.467	ug/l	97
3) Chloromethane	2.04	50	325829	48.197	ug/l	98
4) Vinyl Chloride	2.17	62	405706	49.305	ug/l	98
5) Bromomethane	2.54	94	255673	50.419	ug/l	99
6) Chloroethane	2.68	64	243616	46.027	ug/l	99
7) Trichlorofluoromethane	3.00	101	608608	47.650	ug/l	98
8) Diethyl Ether	3.39	74	216194	50.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	323452	50.597	ug/l	99
10) Methyl Iodide	3.92	142	262412	50.314	ug/l	100
11) Tert butyl alcohol	4.79	59	222636	253.950	ug/l	97
12) 1,1-Dichloroethene	3.71	96	318119	46.594	ug/l	97
13) Acrolein	3.58	56	197877	256.687	ug/l	98
14) Allyl chloride	4.29	41	454971	50.311	ug/l	98
15) Acrylonitrile	4.97	53	590043	249.568	ug/l	99
16) Acetone	3.79	43	574549	177.308	ug/l	99
17) Carbon Disulfide	4.02	76	636404	48.865	ug/l	99
18) Methyl Acetate	4.30	43	356664	51.023	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	779834	47.317	ug/l	98
20) Methylene Chloride	4.52	84	251888	52.433	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	226129	46.936	ug/l	96
22) Diisopropyl ether	5.93	45	935612	48.300	ug/l	100
23) Vinyl Acetate	5.87	43	3625387	239.615	ug/l	100
24) 1,1-Dichloroethane	5.82	63	489833	47.714	ug/l	99
25) 2-Butanone	6.82	43	830100	235.914	ug/l	99
26) 2,2-Dichloropropane	6.80	77	397145	44.672	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	272342	47.686	ug/l	99
28) Bromochloromethane	7.17	49	278689	50.410	ug/l	99
29) Tetrahydrofuran	7.20	42	555801	239.550	ug/l	99
30) Chloroform	7.36	83	473725	49.738	ug/l	98
31) Cyclohexane	7.63	56	472965	47.718	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	416593	47.306	ug/l	99
36) 1,1-Dichloropropene	7.78	75	357701	48.063	ug/l	99
37) Ethyl Acetate	6.91	43	351590	47.809	ug/l	99
38) Carbon Tetrachloride	7.76	117	352309	47.651	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	435715	49.295	ug/l	96
40) Benzene	8.03	78	1050955	47.049	ug/l	98
41) Methacrylonitrile	7.15	41	178960	51.034	ug/l	90
42) 1,2-Dichloroethane	8.11	62	405386	47.134	ug/l	100
43) Isopropyl Acetate	8.16	43	641828	47.598	ug/l	100
44) Trichloroethene	8.82	130	240068	48.146	ug/l	97
45) 1,2-Dichloropropane	9.11	63	296360	47.109	ug/l	100
46) Dibromomethane	9.20	93	185424	50.306	ug/l	98
47) Bromodichloromethane	9.40	83	388607	46.823	ug/l	100
48) Methyl methacrylate	9.19	41	302409	47.162	ug/l	97
49) 1,4-Dioxane	9.20	88	81310	980.608	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1820967	242.308	ug/l	99
52) Toluene	10.15	92	647882	50.323	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	420572	48.378	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	450060	46.497	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	249247	47.874	ug/l	97
56) Ethyl methacrylate	10.43	69	413861	50.532	ug/l	99
57) 1,3-Dichloropropane	10.70	76	439871	48.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	521981	230.285	ug/l	100
59) 2-Hexanone	10.75	43	1265688	245.551	ug/l	99
60) Dibromochloromethane	10.90	129	270080	49.087	ug/l	99
61) 1,2-Dibromoethane	11.00	107	252105	49.370	ug/l	98
64) Tetrachloroethene	10.63	164	214606	46.370	ug/l	97
65) Chlorobenzene	11.43	112	639135	47.795	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	238323	46.471	ug/l	99
67) Ethyl Benzene	11.51	91	1230234	47.530	ug/l	99
68) m/p-Xylenes	11.62	106	881244	100.114	ug/l	97
69) o-Xylene	11.95	106	428120	49.097	ug/l	100
70) Styrene	11.96	104	707948	51.273	ug/l	99
71) Bromoform	12.13	173	164040	47.318	ug/l #	99
73) Isopropylbenzene	12.25	105	1152670	52.617	ug/l	99
74) N-amyl acetate	12.07	43	547475	53.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	336906	53.468	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	441410	82.925	ug/l #	100
77) Bromobenzene	12.53	156	235210	51.837	ug/l	97
78) n-propylbenzene	12.59	91	1312986	52.186	ug/l	100
79) 2-Chlorotoluene	12.68	91	771654	52.333	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	954916	53.049	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112634	50.433	ug/l	97
82) 4-Chlorotoluene	12.78	91	763890	51.812	ug/l	99
83) tert-Butylbenzene	12.99	119	800017	53.221	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	935400	48.547	ug/l	99
85) sec-Butylbenzene	13.17	105	1078338	52.801	ug/l	100
86) p-Isopropyltoluene	13.29	119	914047	47.182	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	391307	48.879	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	382416	48.778	ug/l	98
89) n-Butylbenzene	13.62	91	811060	49.473	ug/l	100
90) Hexachloroethane	13.88	117	190525	52.768	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	386029	50.513	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57664	48.666	ug/l	96

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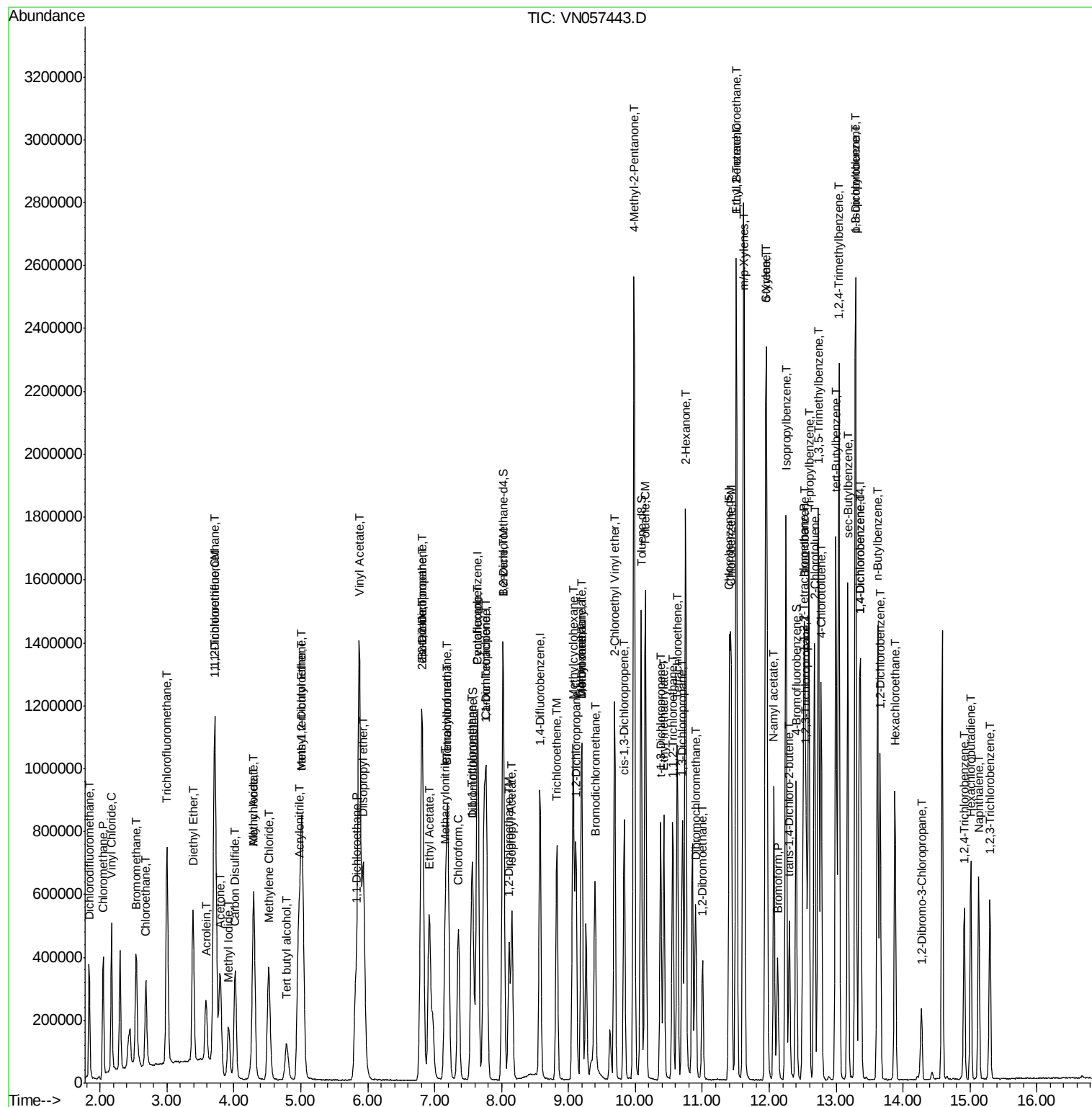
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	148940	48.364	ug/l	99
94) Hexachlorobutadiene	15.01	225	110253	57.091	ug/l	97
95) Naphthalene	15.13	128	493810	50.076	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	152765	49.501	ug/l	97

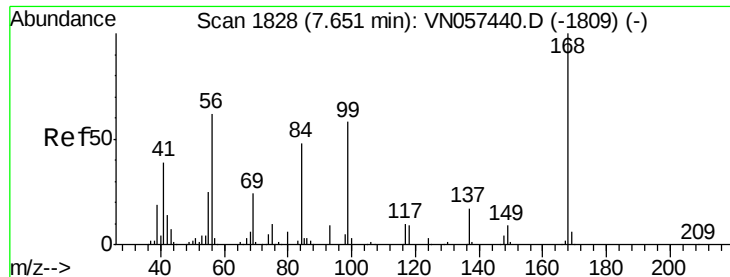
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

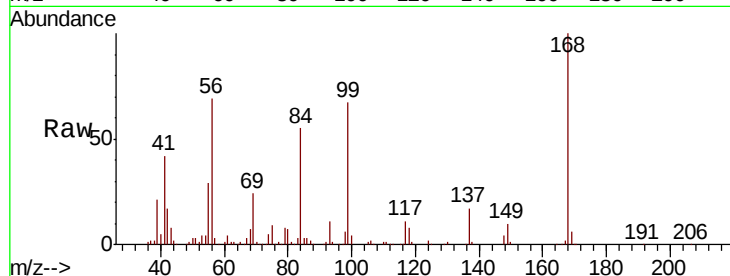
ICVVN082219

Tgt Ion:168 Resp: 401110

Ion Ratio Lower Upper

168 100

99 66.7 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

100000

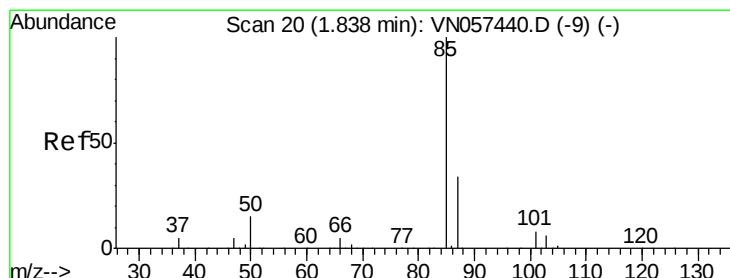
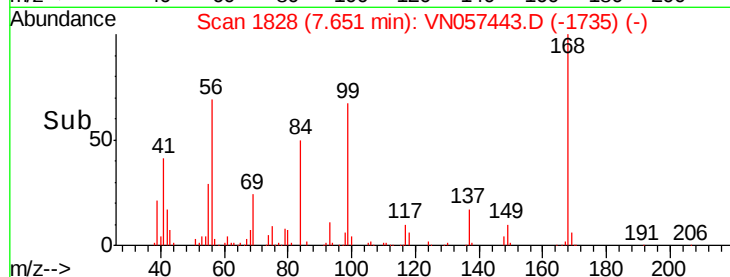
50000

0

Time-->

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 56.467 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057443.D

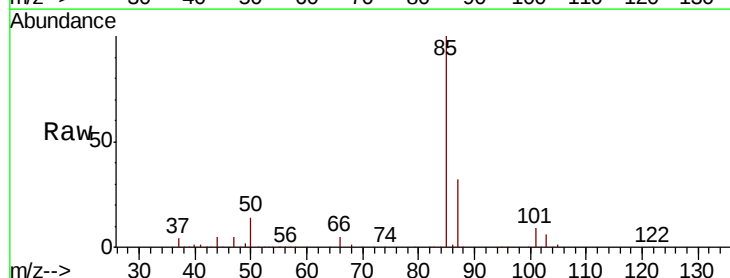
Acq: 22 Aug 2019 19:34

Tgt Ion: 85 Resp: 267277

Ion Ratio Lower Upper

85 100

87 32.3 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

200000

150000

100000

50000

0

Time-->

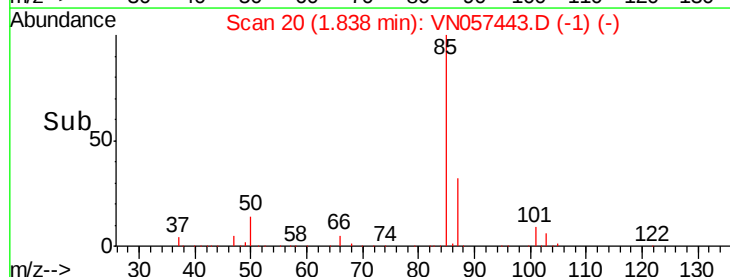
1.75

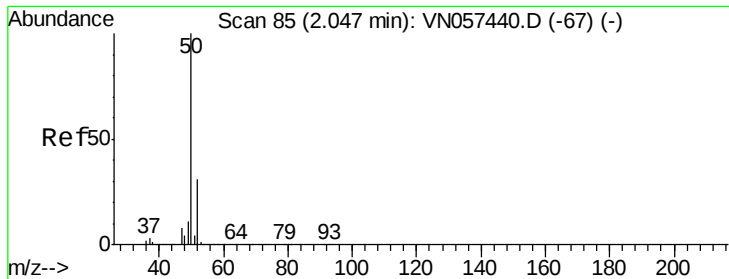
1.80

1.85

1.90

1.95





#3

Chloromethane

Concen: 48.197 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

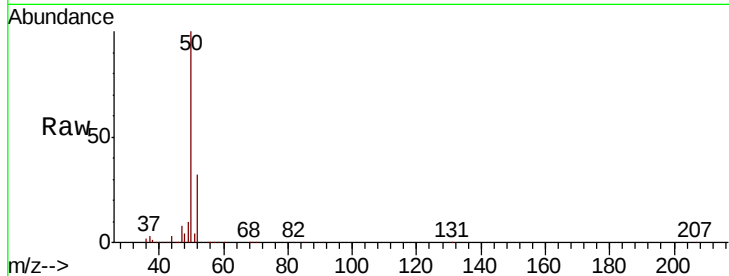
ICVVN082219

Tgt Ion: 50 Resp: 325829

Ion Ratio Lower Upper

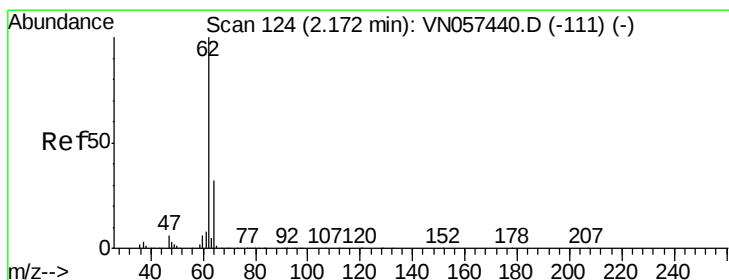
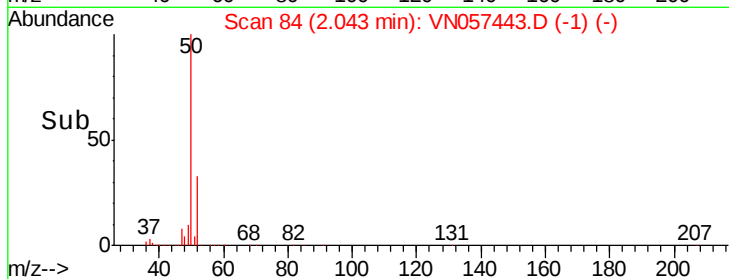
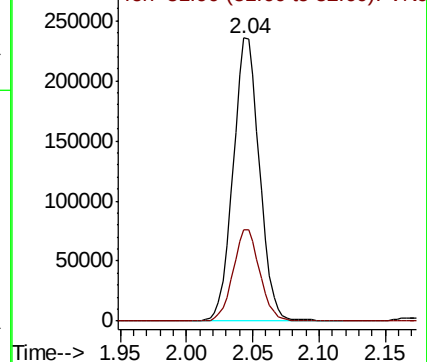
50 100

52 32.5 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.305 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057443.D

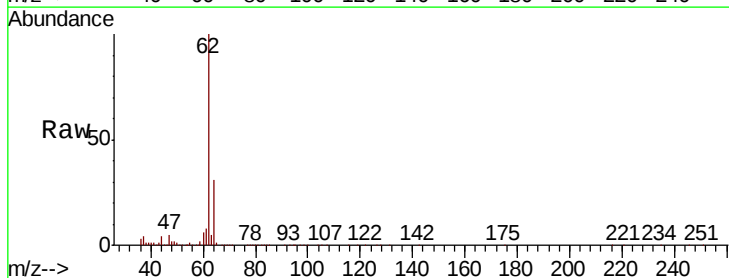
Acq: 22 Aug 2019 19:34

Tgt Ion: 62 Resp: 405706

Ion Ratio Lower Upper

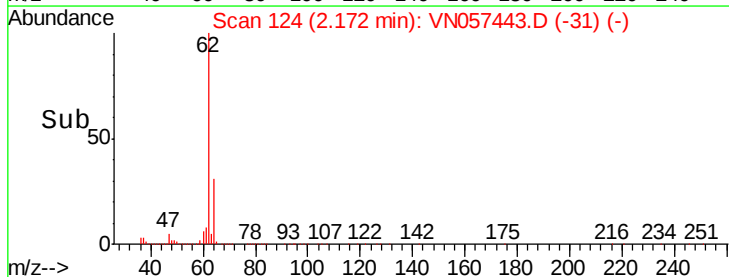
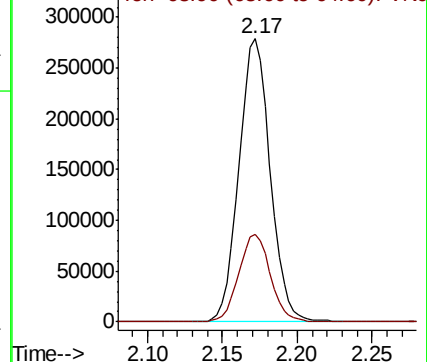
62 100

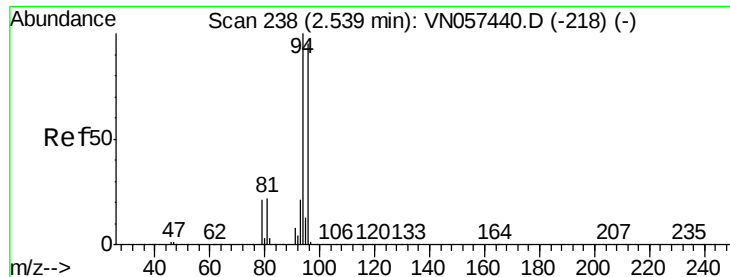
64 31.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 50.419 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

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Acq: 22 Aug 2019 19:34

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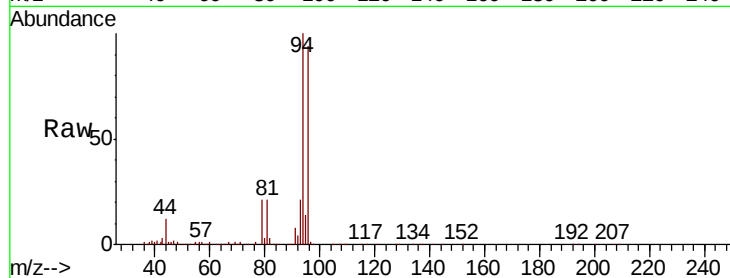
ICVVN082219

Tgt Ion: 94 Resp: 255673

Ion Ratio Lower Upper

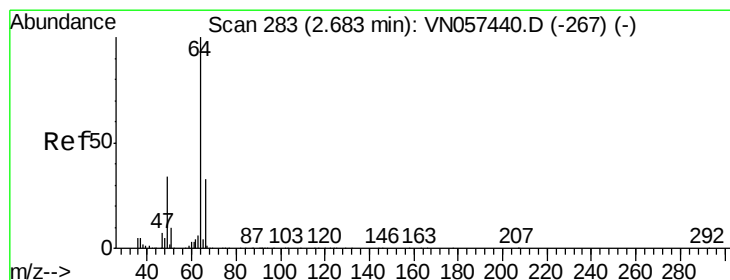
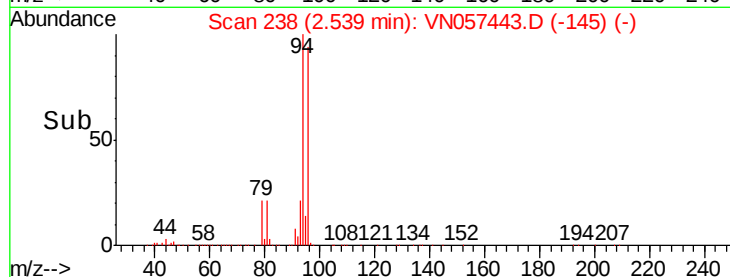
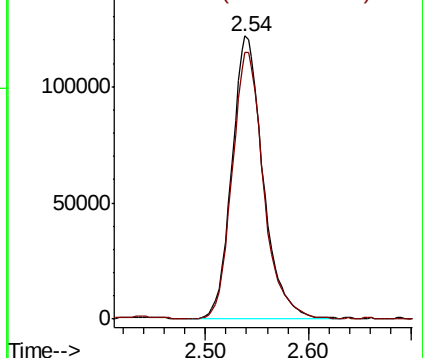
94 100

96 94.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.027 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN057443.D

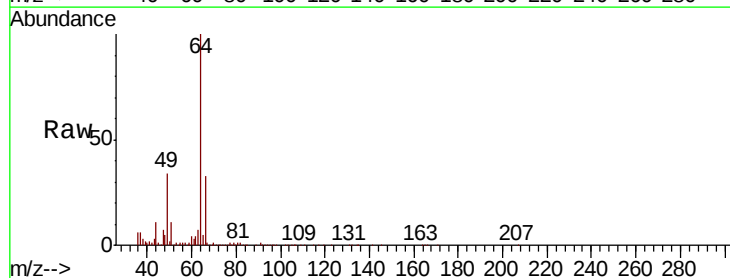
Acq: 22 Aug 2019 19:34

Tgt Ion: 64 Resp: 243616

Ion Ratio Lower Upper

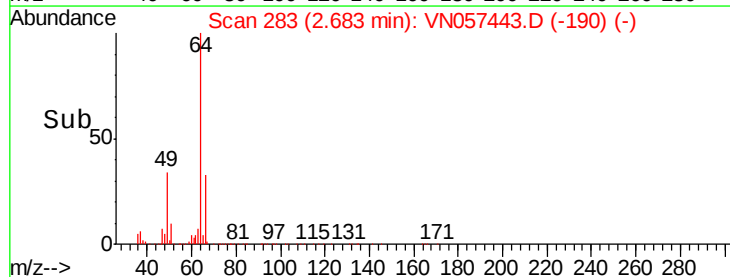
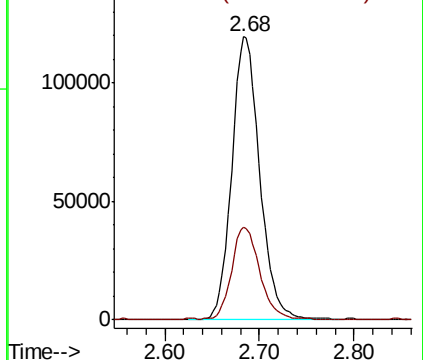
64 100

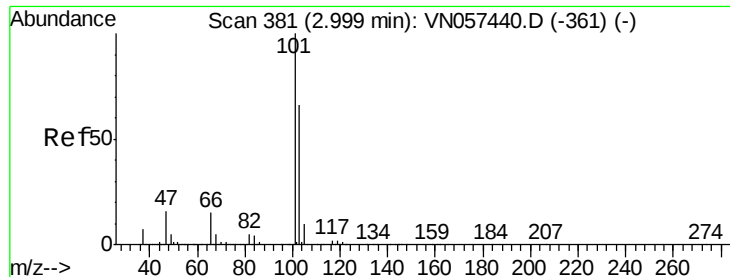
66 32.7 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



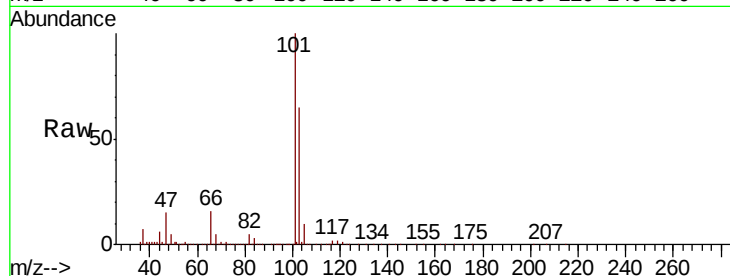


#7

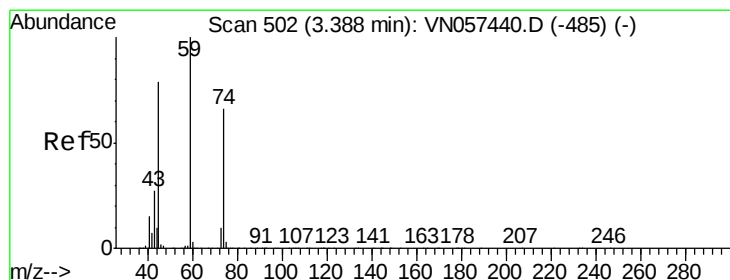
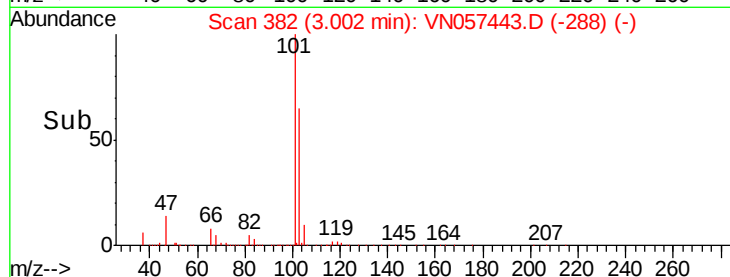
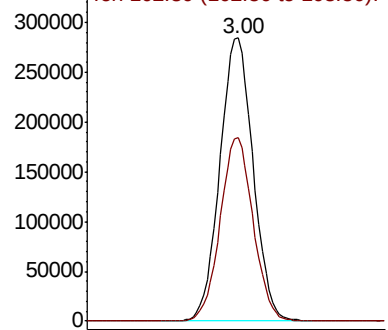
Trichlorofluoromethane
Concen: 47.650 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
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Tgt Ion:101 Resp: 608608
Ion Ratio Lower Upper
101 100
103 64.5 52.6 78.8



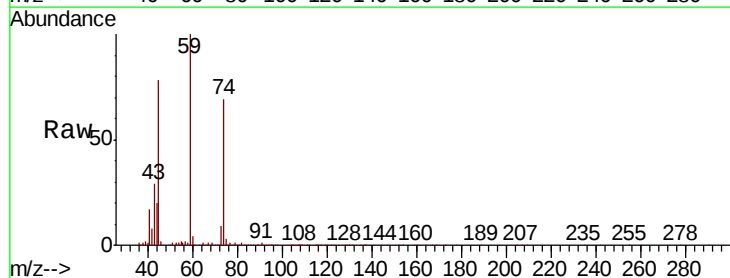
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



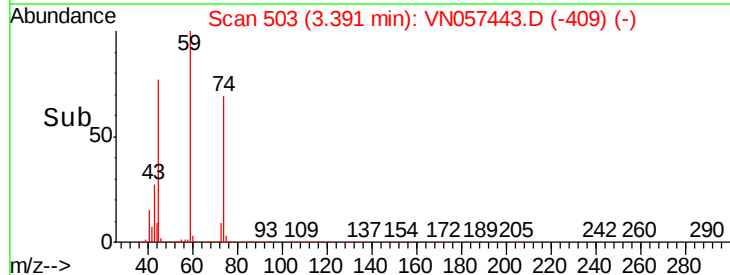
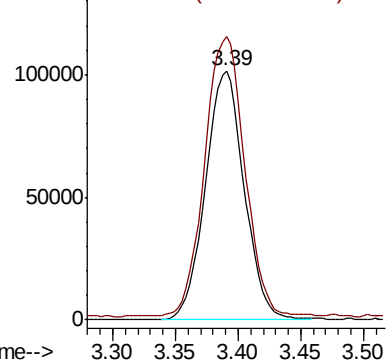
#8

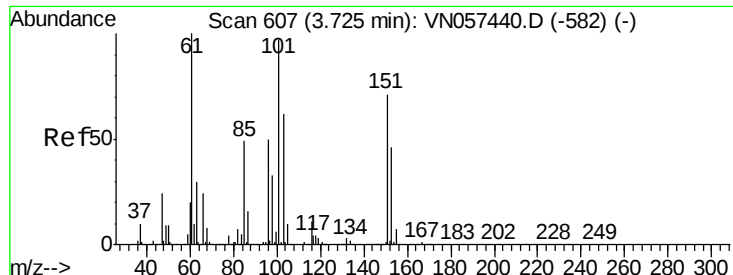
Diethyl Ether
Concen: 50.336 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057443.D
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Tgt Ion: 74 Resp: 216194
Ion Ratio Lower Upper
74 100
45 116.4 57.9 173.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.597 ug/l

RT: 3.72 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

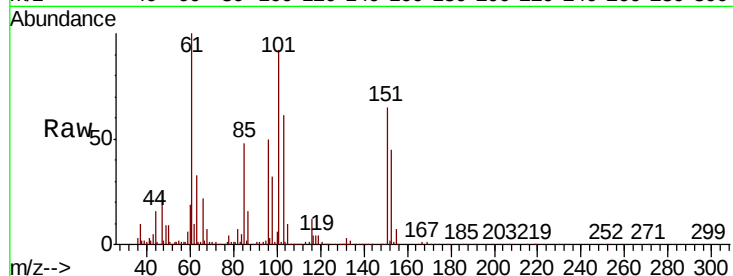
Tgt Ion:101 Resp: 323452

Ion Ratio Lower Upper

101 100

85 49.5 40.0 60.0

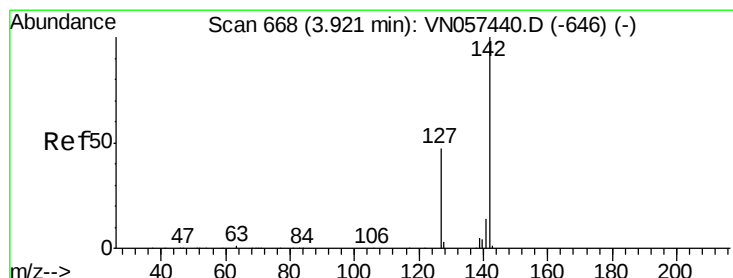
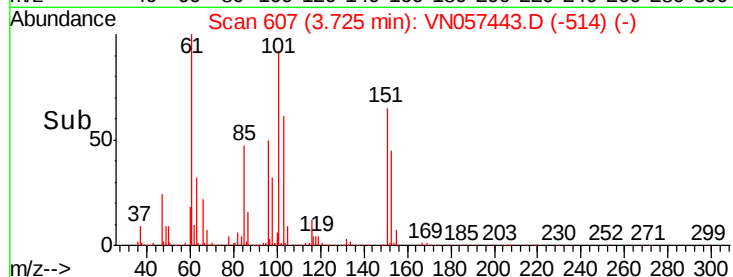
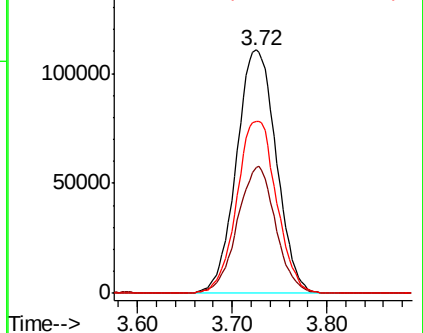
151 70.6 57.0 85.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.314 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

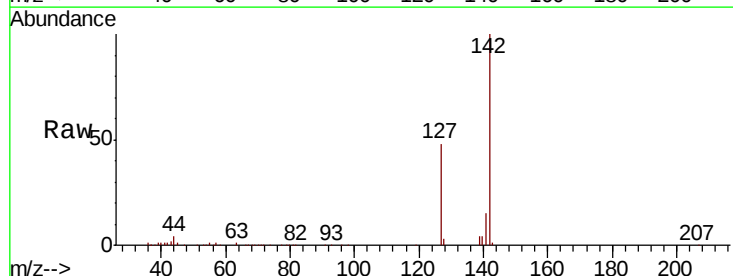
Tgt Ion:142 Resp: 262412

Ion Ratio Lower Upper

142 100

127 47.4 37.8 56.8

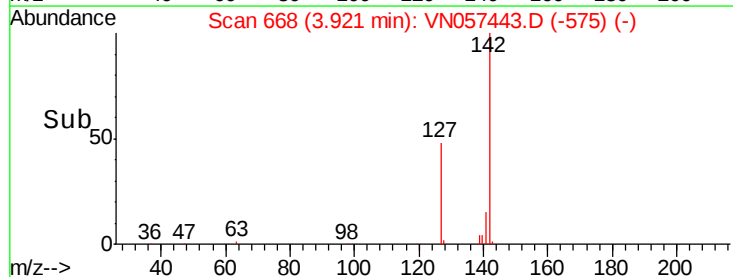
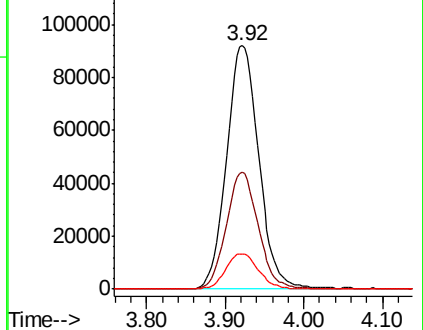
141 14.8 11.9 17.9

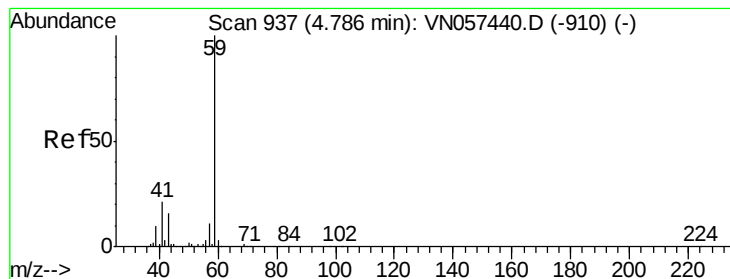


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



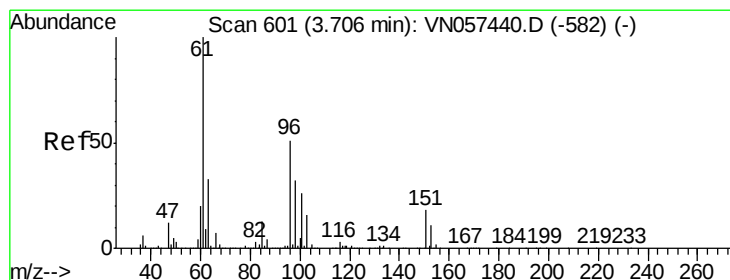
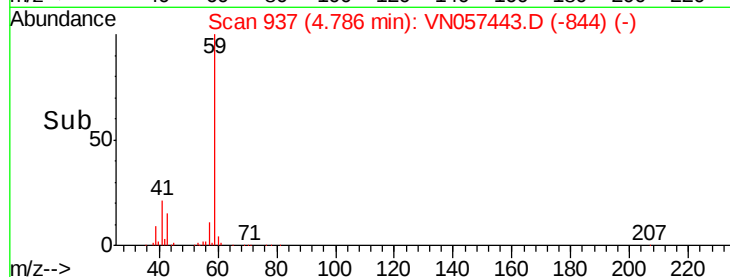
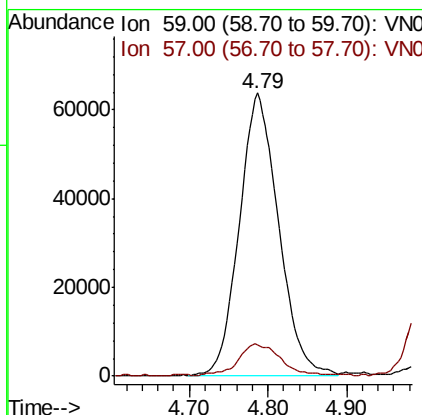
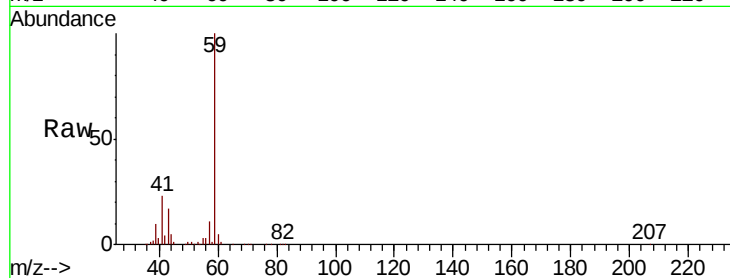


#11

Tert butyl alcohol
 Concen: 253.950 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

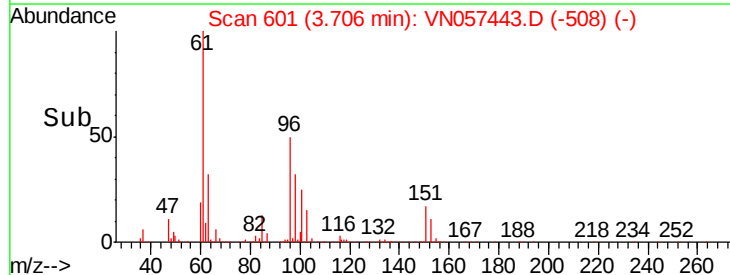
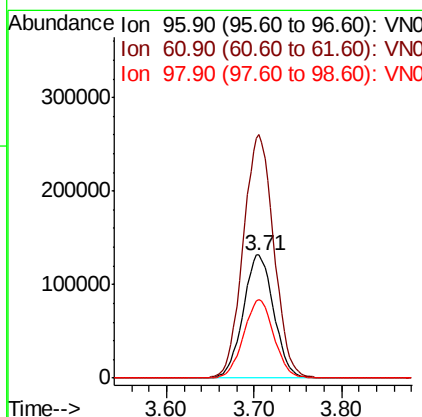
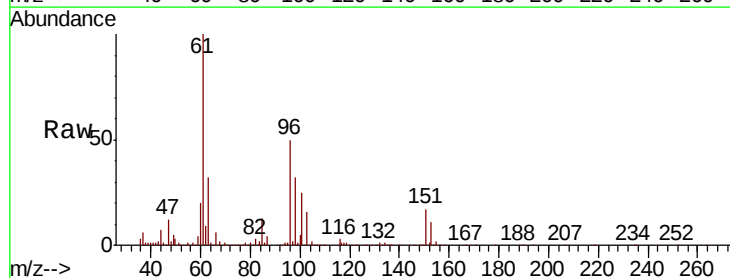
Tgt Ion: 59 Resp: 222636
 Ion Ratio Lower Upper
 59 100
 57 12.5 9.1 13.7

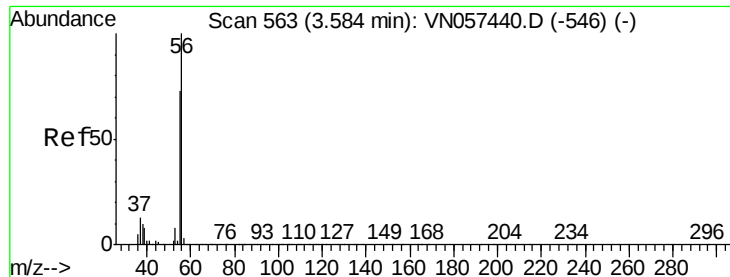


#12

1,1-Dichloroethene
 Concen: 46.594 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion: 96 Resp: 318119
 Ion Ratio Lower Upper
 96 100
 61 198.3 155.3 232.9
 98 64.1 50.2 75.2





#13

Acrolein

Concen: 256.687 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

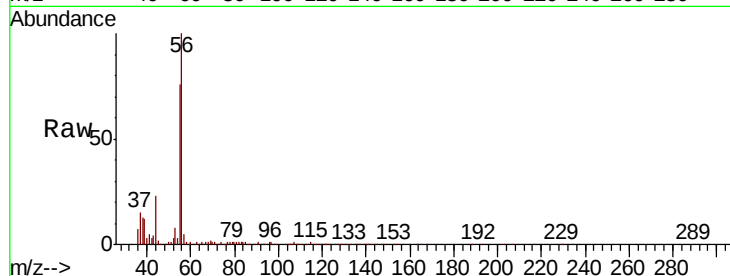
ICVVN082219

Tgt Ion: 56 Resp: 197877

Ion Ratio Lower Upper

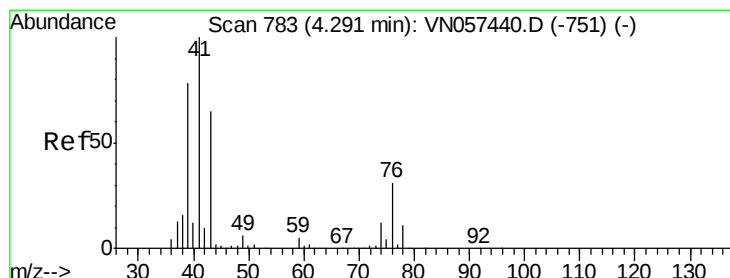
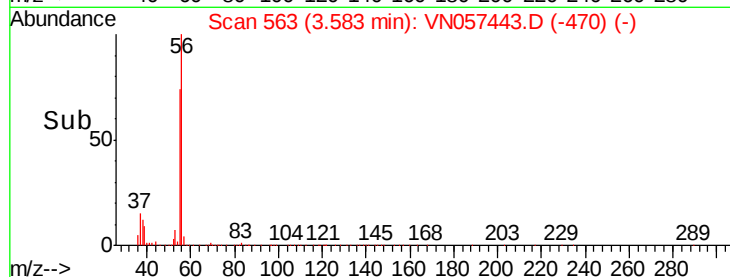
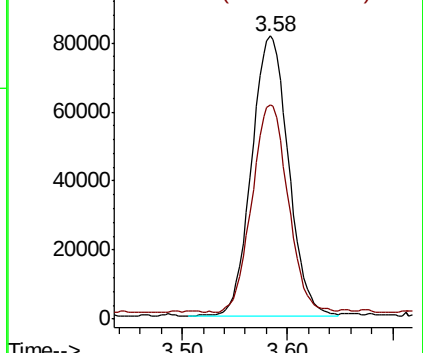
56 100

55 72.2 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.311 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

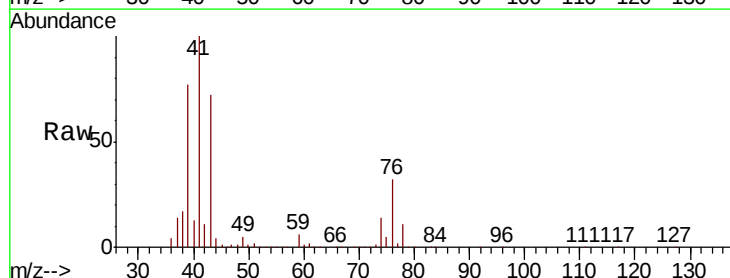
Tgt Ion: 41 Resp: 454971

Ion Ratio Lower Upper

41 100

39 72.9 57.4 86.2

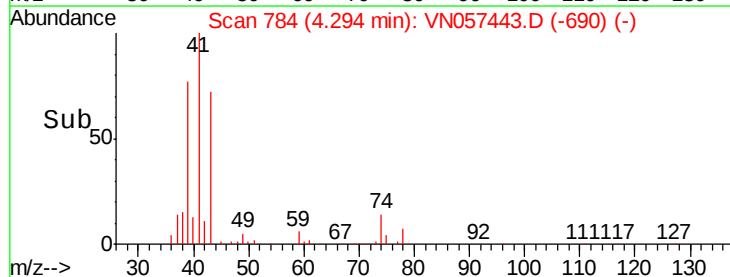
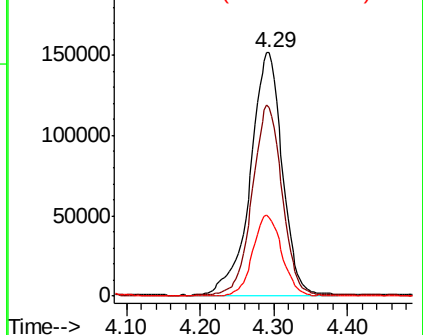
76 29.9 22.9 34.3

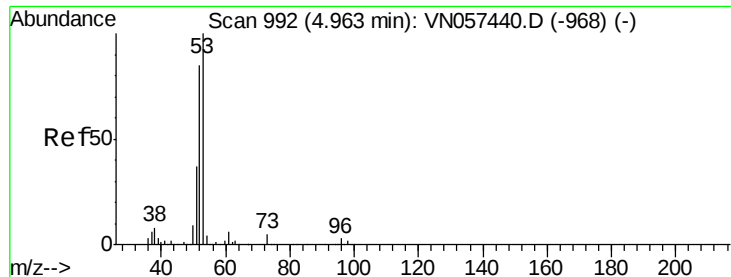


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 249.568 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

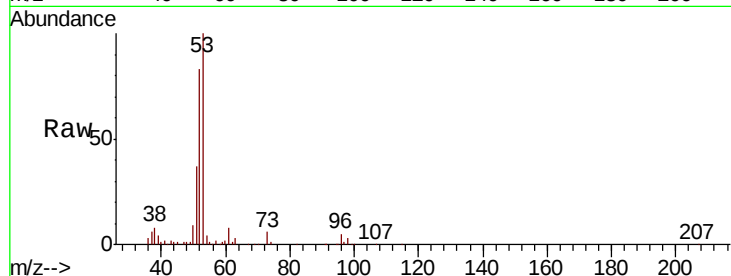
Tgt Ion: 53 Resp: 590043

Ion Ratio Lower Upper

53 100

52 82.5 67.0 100.6

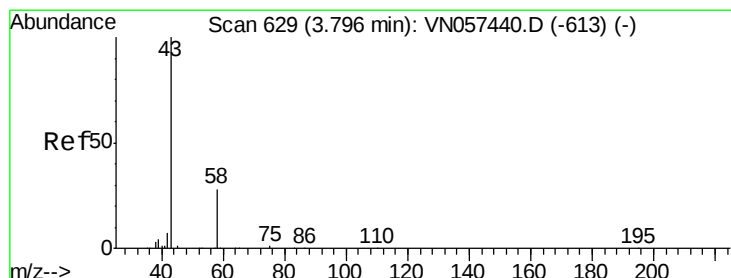
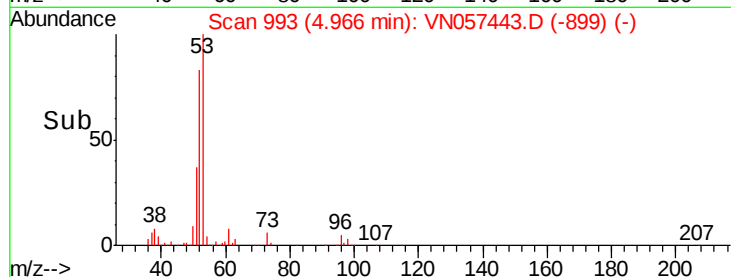
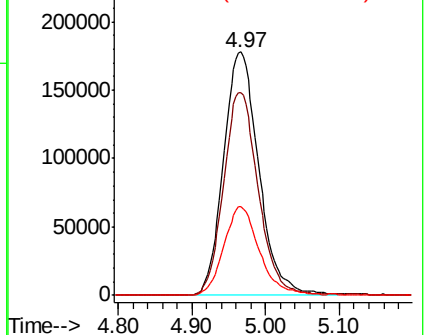
51 37.0 29.9 44.9



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: 177.308 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN057443.D

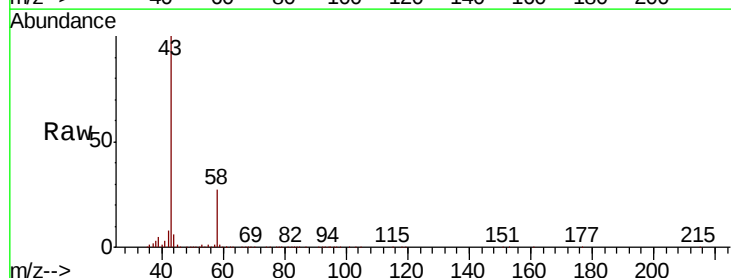
Acq: 22 Aug 2019 19:34

Tgt Ion: 43 Resp: 574549

Ion Ratio Lower Upper

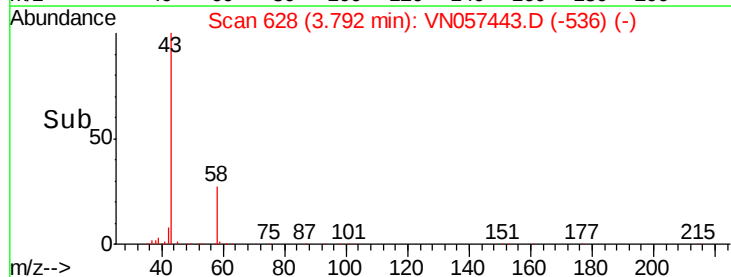
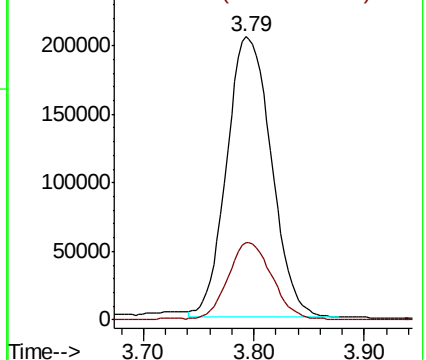
43 100

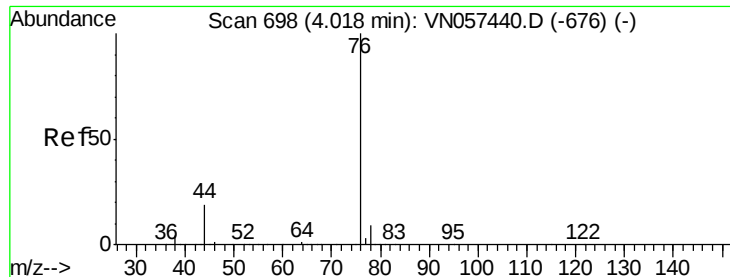
58 27.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 48.865 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

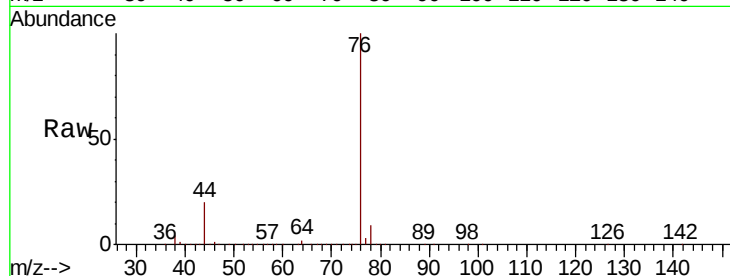
ICVVN082219

Tgt Ion: 76 Resp: 636404

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

250000

200000

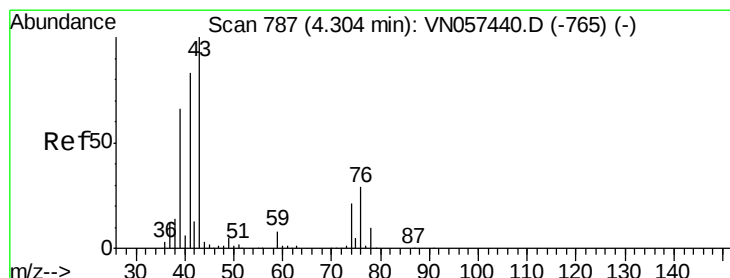
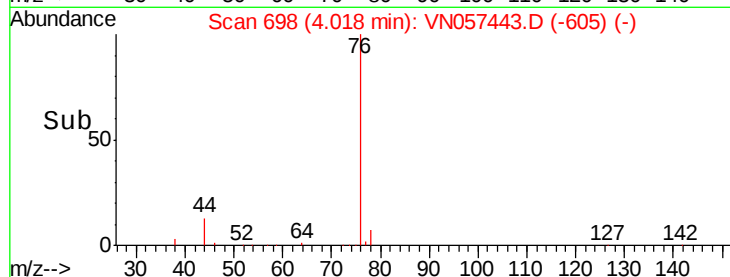
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 51.023 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057443.D

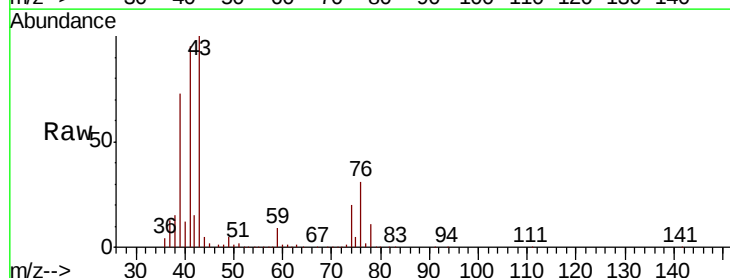
Acq: 22 Aug 2019 19:34

Tgt Ion: 43 Resp: 356664

Ion Ratio Lower Upper

43 100

74 20.4 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

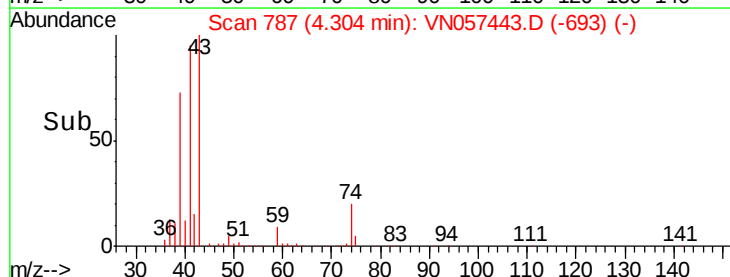
150000

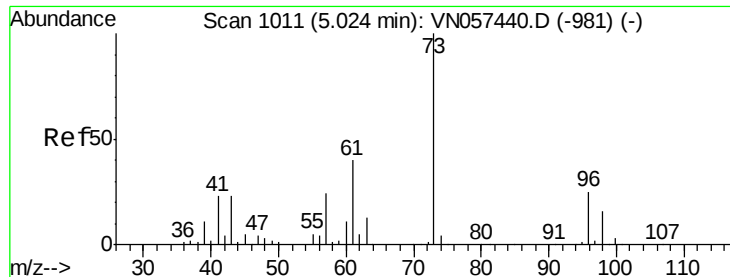
100000

50000

0

Time-->



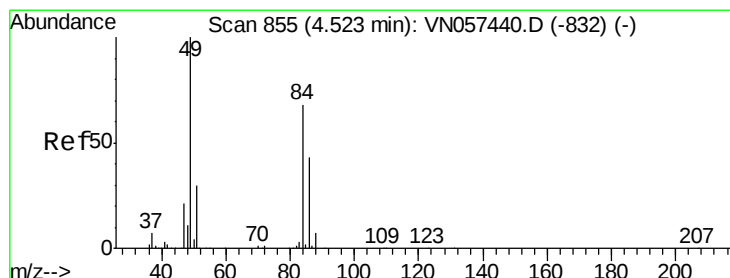
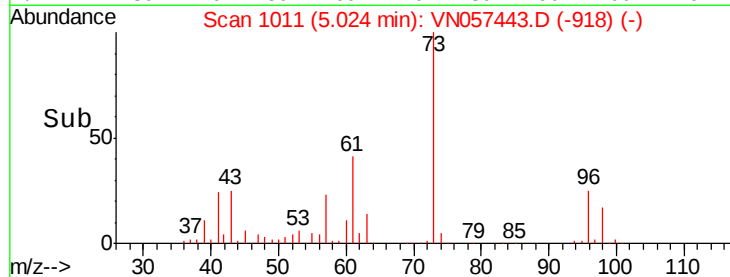
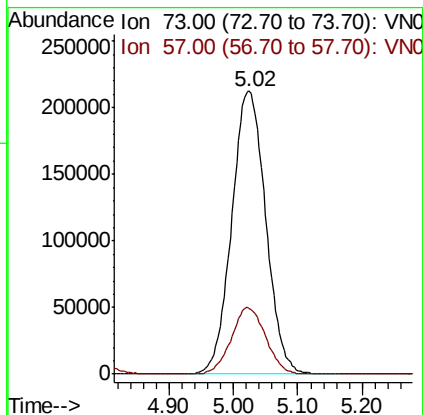
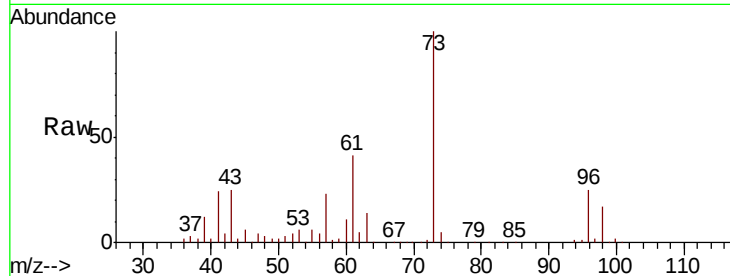


#19

Methyl tert-butyl Ether
 Concen: 47.317 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

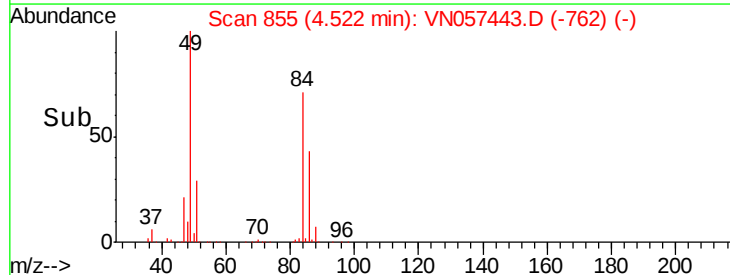
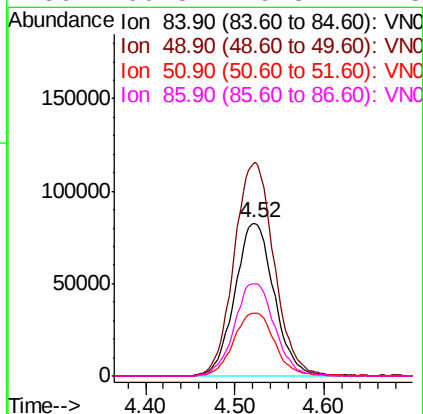
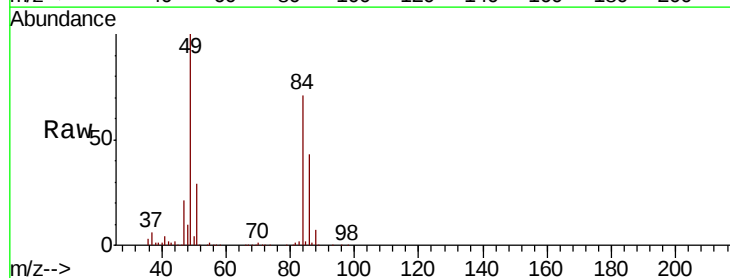
Tgt Ion: 73 Resp: 779834
 Ion Ratio Lower Upper
 73 100
 57 23.0 19.1 28.7

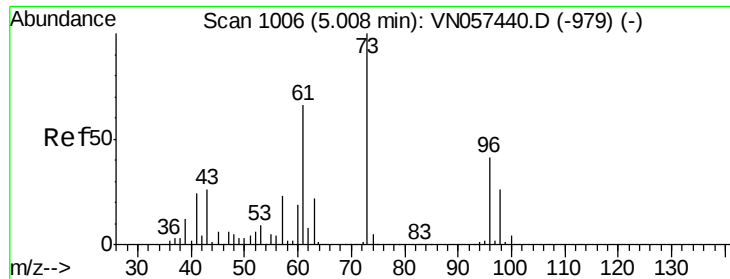


#20

Methylene Chloride
 Concen: 52.433 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion: 84 Resp: 251888
 Ion Ratio Lower Upper
 84 100
 49 139.8 117.0 175.4
 51 40.9 35.5 53.3
 86 60.8 49.8 74.8

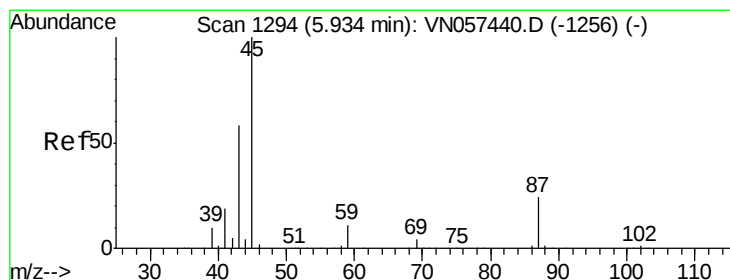
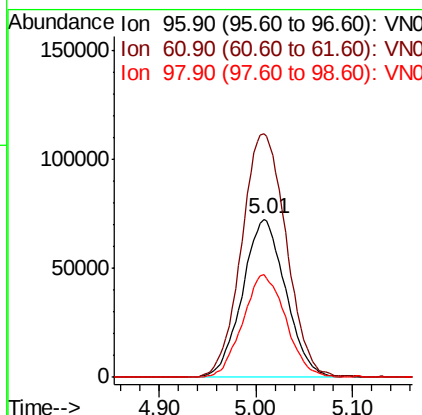
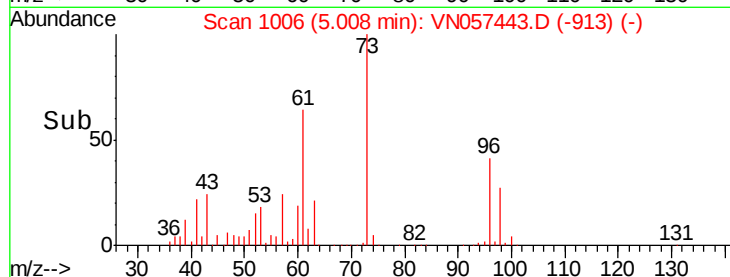
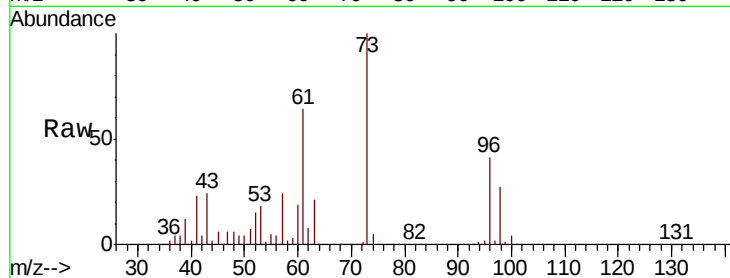




#21
trans-1,2-Dichloroethene
Concen: 46.936 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

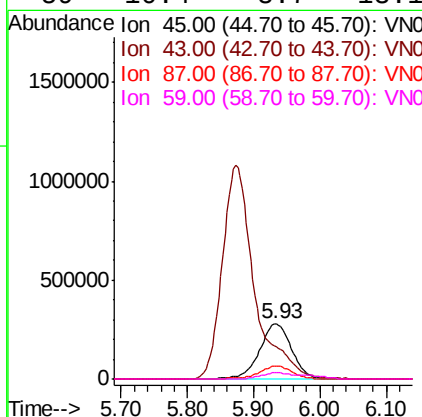
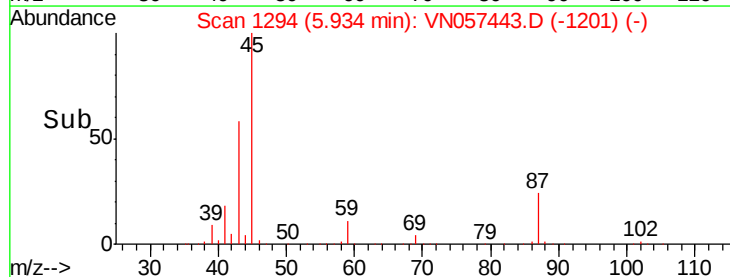
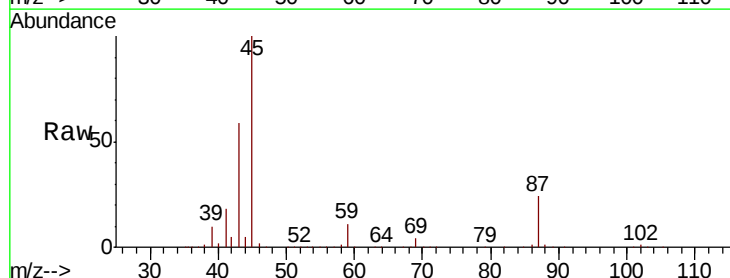
Instrument :
MSVOA_N
ClientSampled :
ICVVN082219

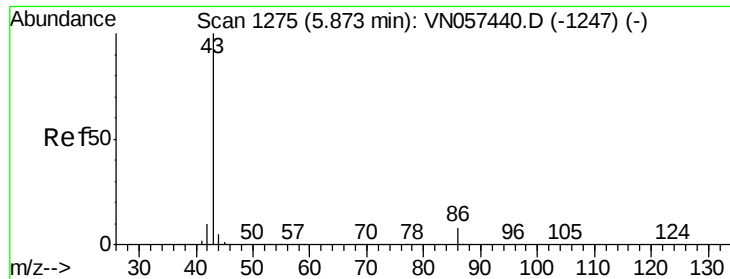
Tgt Ion: 96 Resp: 226129
Ion Ratio Lower Upper
96 100
61 153.9 127.9 191.9
98 64.4 50.6 76.0



#22
Diisopropyl ether
Concen: 48.300 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion: 45 Resp: 935612
Ion Ratio Lower Upper
45 100
43 58.3 46.9 70.3
87 24.0 19.3 28.9
59 10.4 8.7 13.1





#23

Vinyl Acetate

Concen: 239.615 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

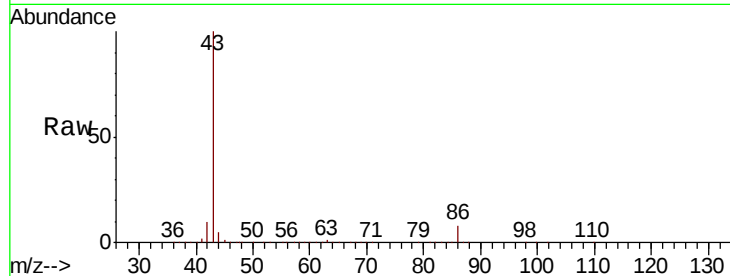
ICVVN082219

Tgt Ion: 43 Resp: 3625387

Ion Ratio Lower Upper

43 100

86 8.3 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

1200000

1000000

800000

600000

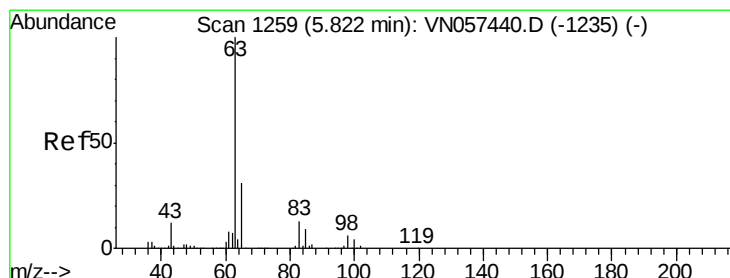
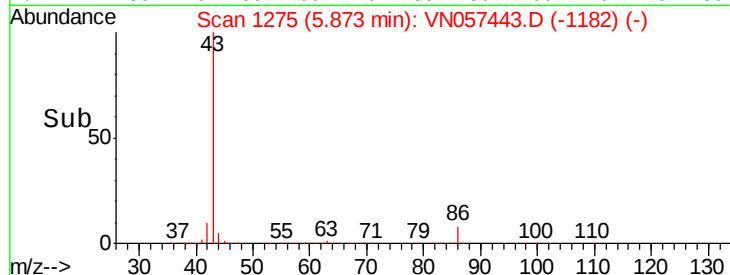
400000

200000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 47.714 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

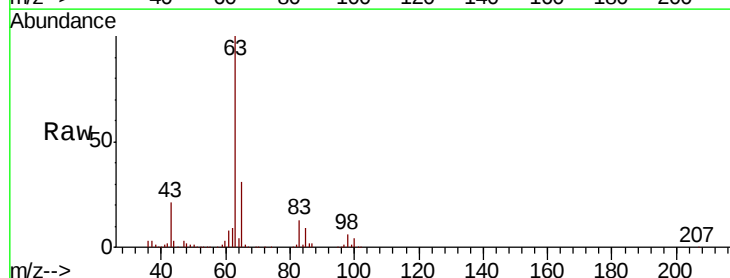
Tgt Ion: 63 Resp: 489833

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 3.6 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

200000

150000

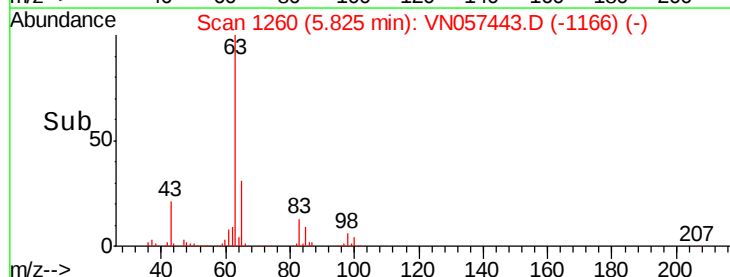
100000

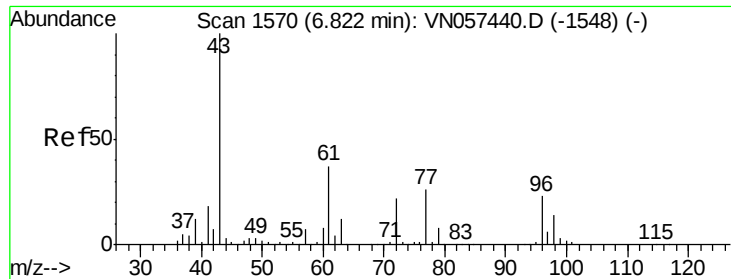
50000

0

Time-->

5.70 5.80 5.90





#25

2-Butanone

Concen: 235.914 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

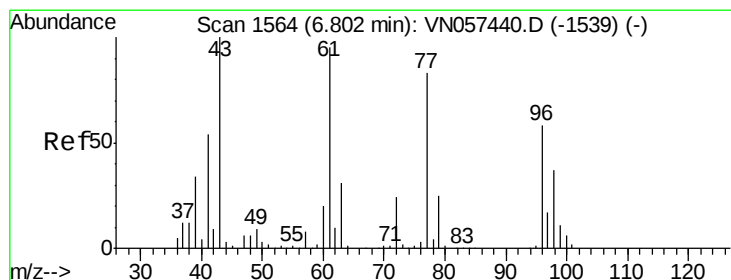
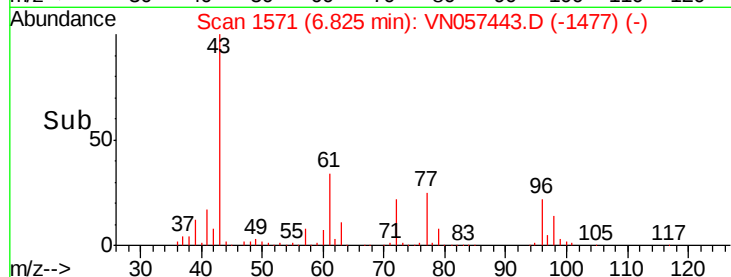
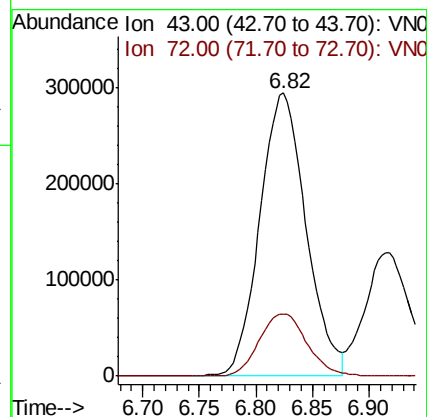
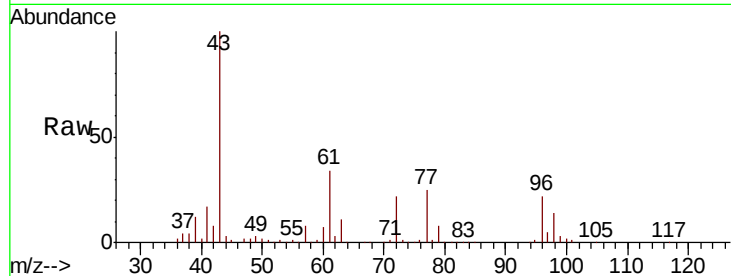
ICVFN082219

Tgt Ion: 43 Resp: 830100

Ion Ratio Lower Upper

43 100

72 21.9 17.8 26.8



#26

2,2-Dichloropropane

Concen: 44.672 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057443.D

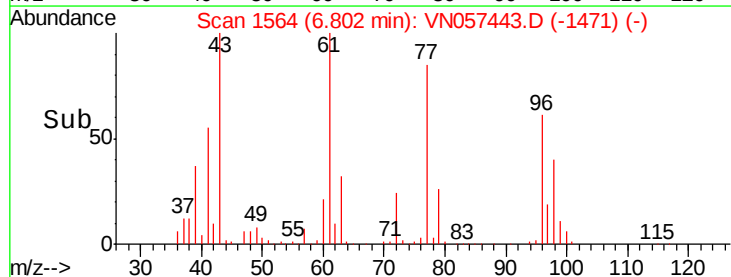
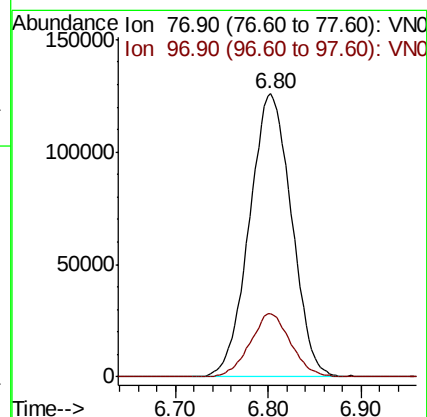
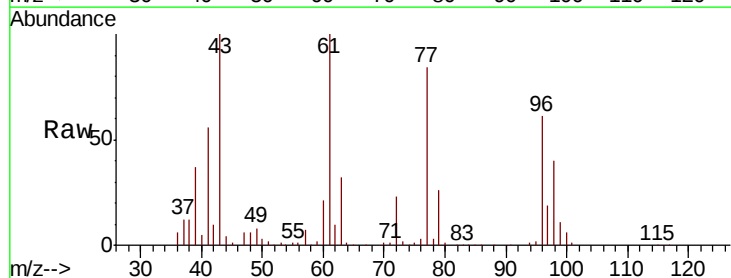
Acq: 22 Aug 2019 19:34

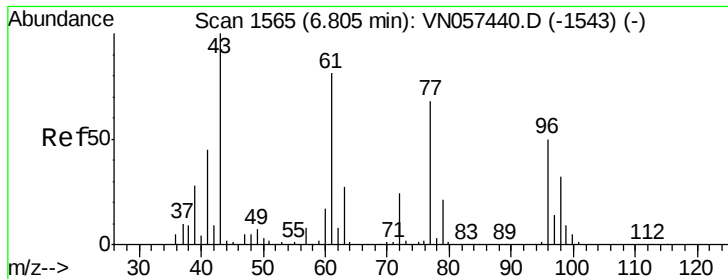
Tgt Ion: 77 Resp: 397145

Ion Ratio Lower Upper

77 100

97 21.6 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 47.686 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

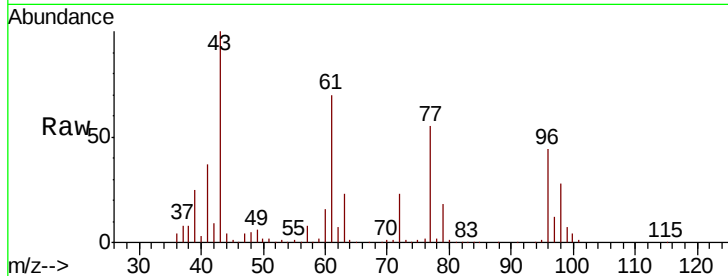
Tgt Ion: 96 Resp: 272342

Ion Ratio Lower Upper

96 100

61 165.6 0.0 334.8

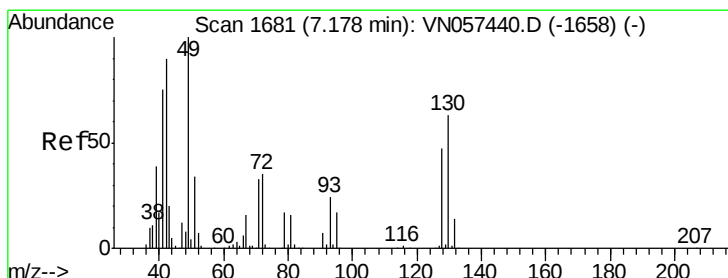
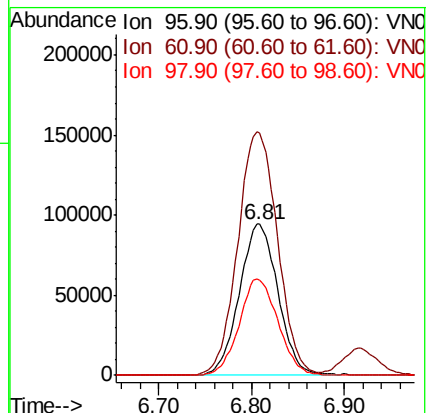
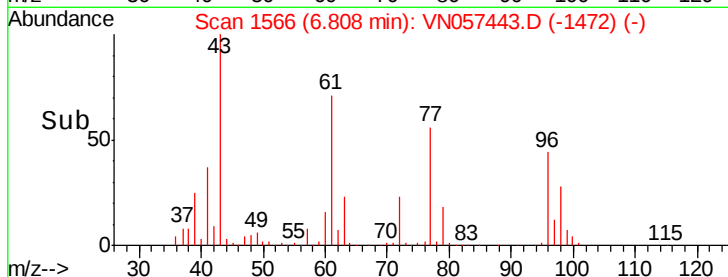
98 64.0 0.0 127.4



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: 50.410 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

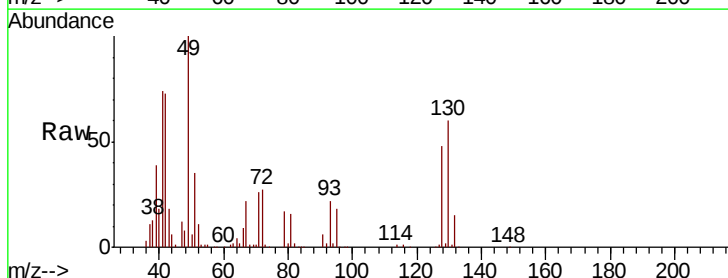
Tgt Ion: 49 Resp: 278689

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.6

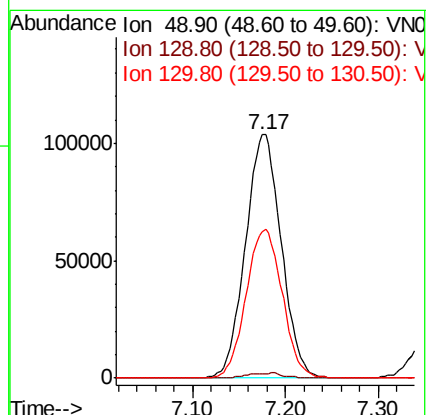
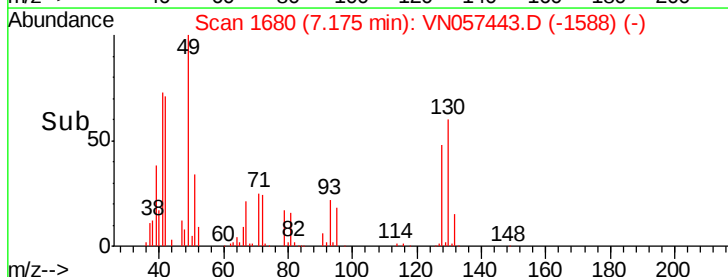
130 61.6 48.6 72.8

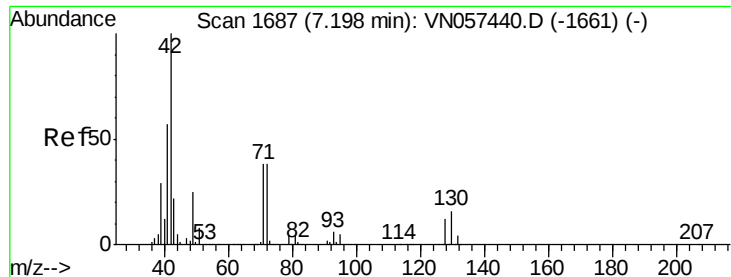


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

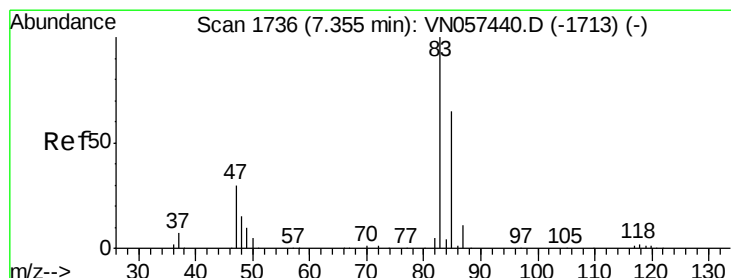
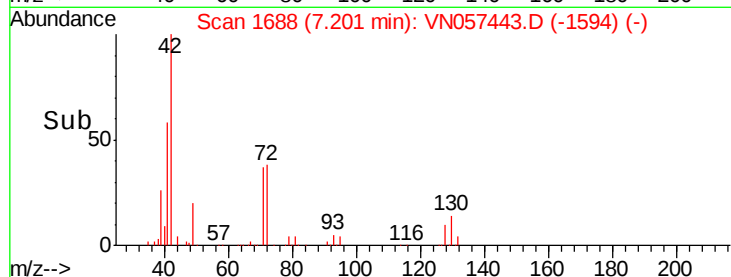
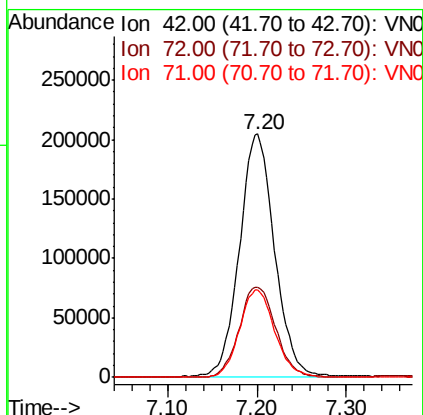
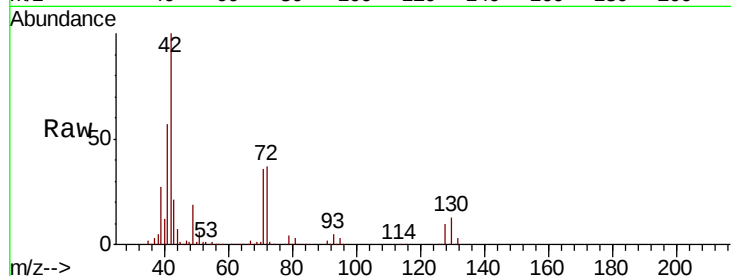




#29
Tetrahydrofuran
Concen: 239.550 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

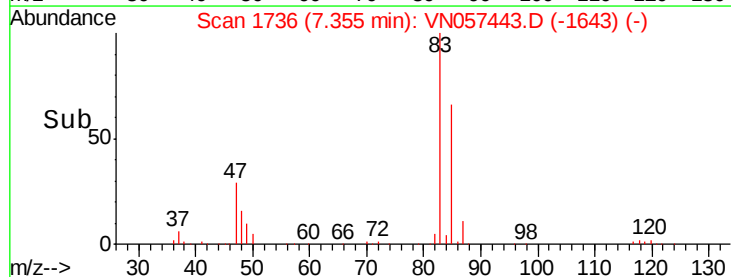
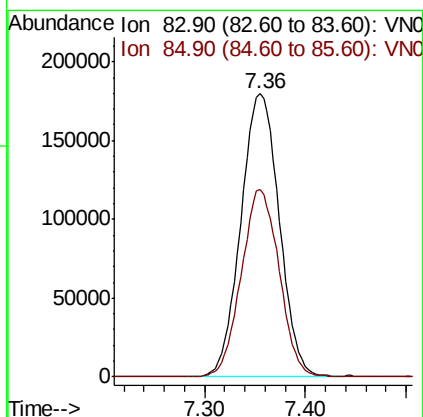
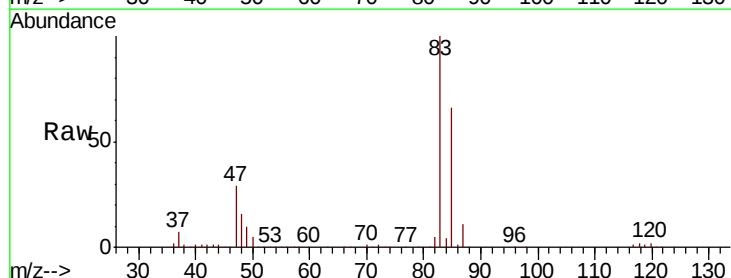
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

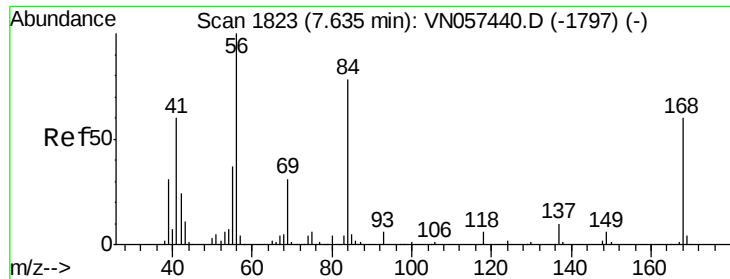
Tgt Ion: 42 Resp: 555801
Ion Ratio Lower Upper
42 100
72 38.6 30.1 45.1
71 36.6 28.8 43.2



#30
Chloroform
Concen: 49.738 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion: 83 Resp: 473725
Ion Ratio Lower Upper
83 100
85 66.4 51.9 77.9

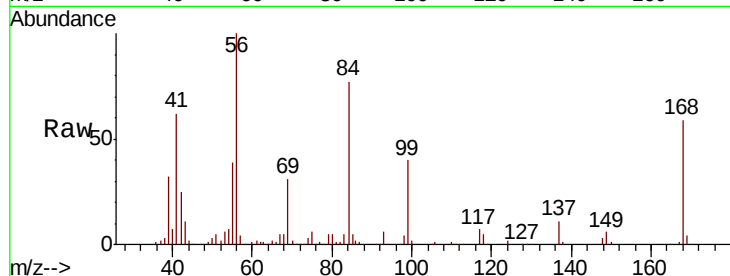




#31
Cyclohexane
Concen: 47.718 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.0	37.6
84	75.9	62.5	93.7

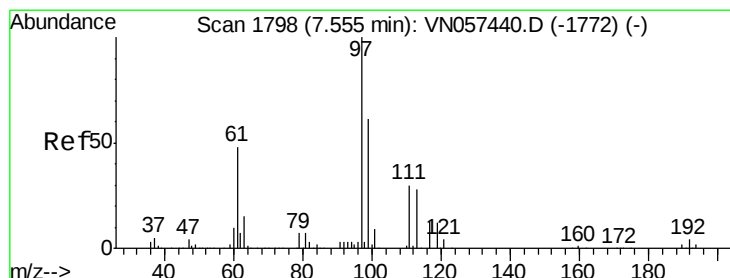
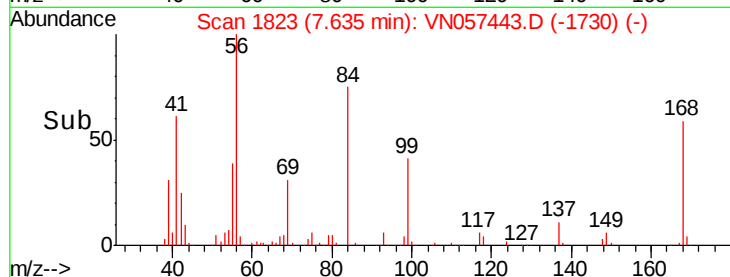
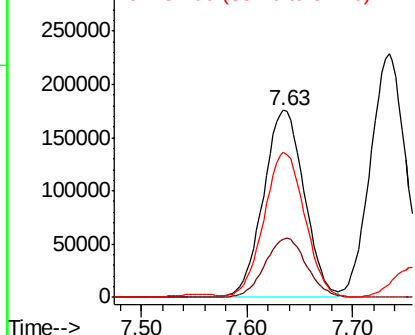


Abundance

Ion 56.00 (55.70 to 56.70): VN0

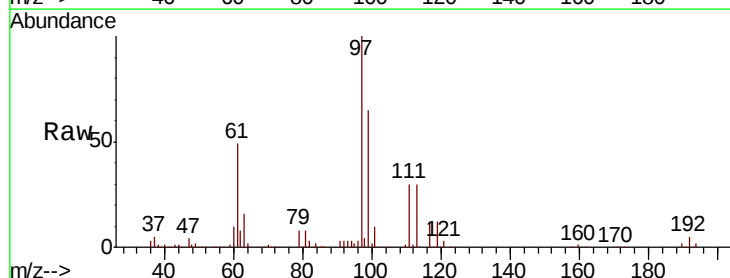
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 47.306 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.6
61	49.5	39.8	59.6

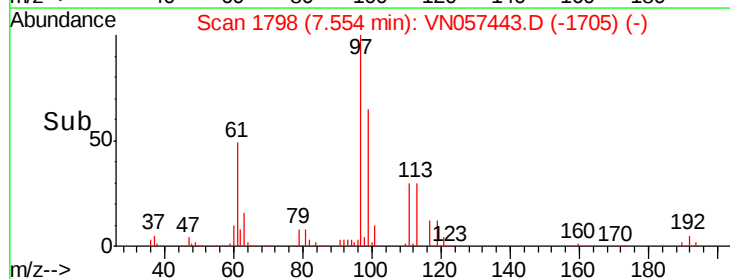
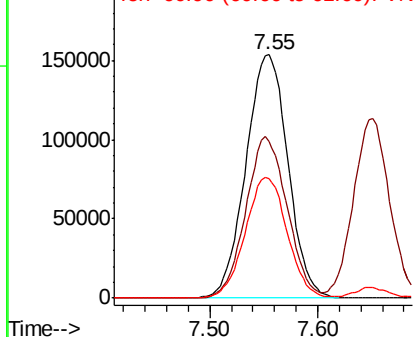


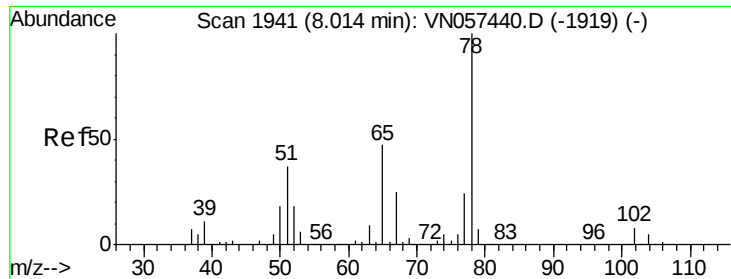
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

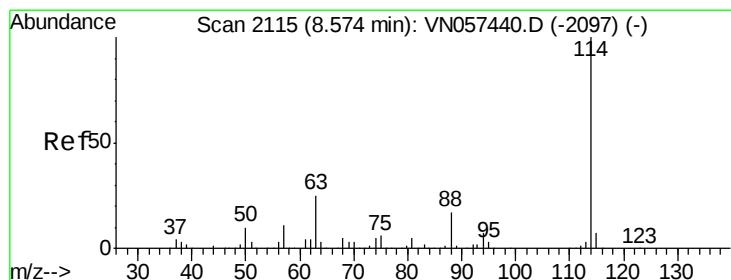
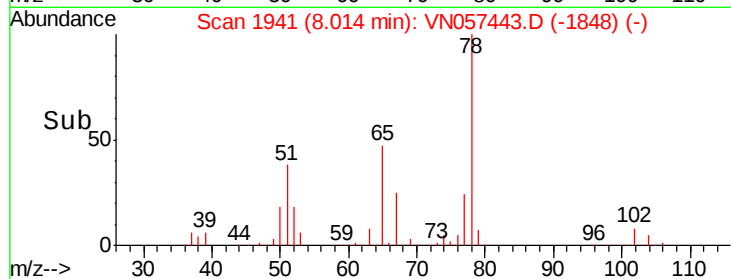
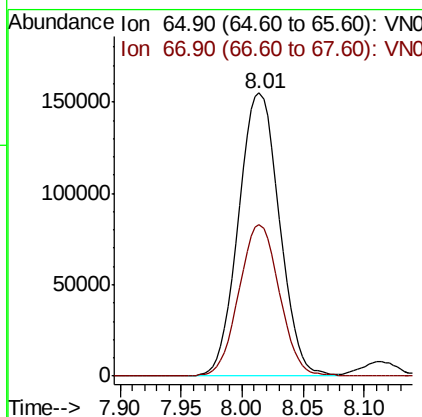
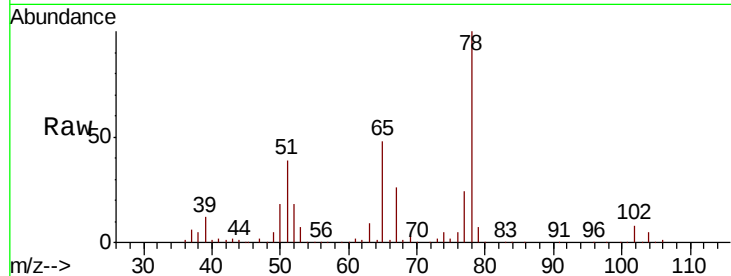




#33
 1,2-Dichloroethane-d4
 Concen: 51.115 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

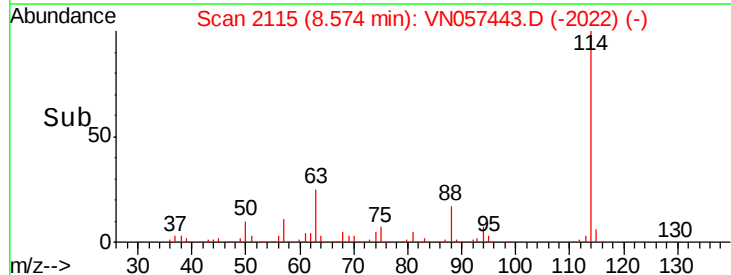
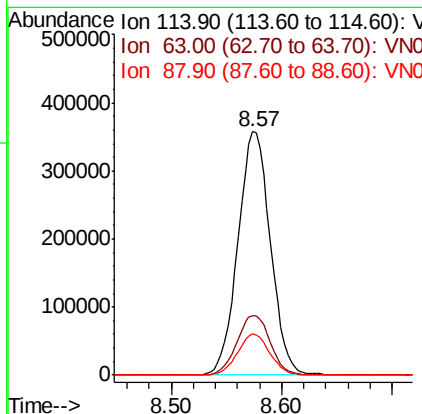
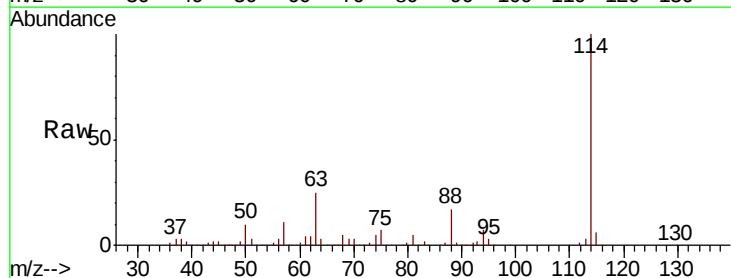
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

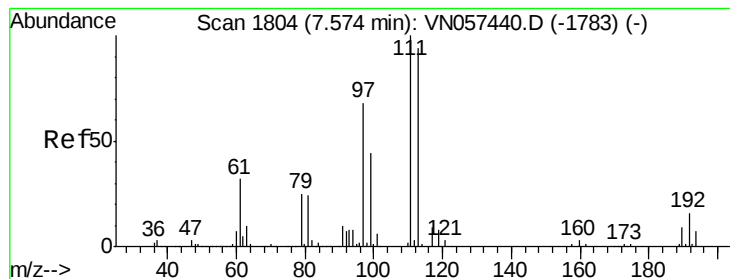
Tgt Ion: 65 Resp: 360666
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion: 114 Resp: 728352
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.2
 88 16.7 0.0 34.6





#35

Dibromofluoromethane

Concen: 49.649 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

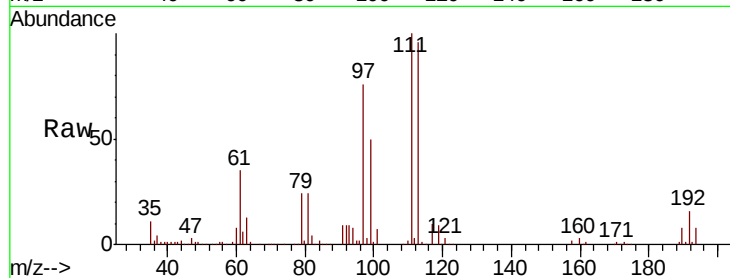
Tgt Ion: 113 Resp: 244259

Ion Ratio Lower Upper

113 100

111 104.2 83.8 125.6

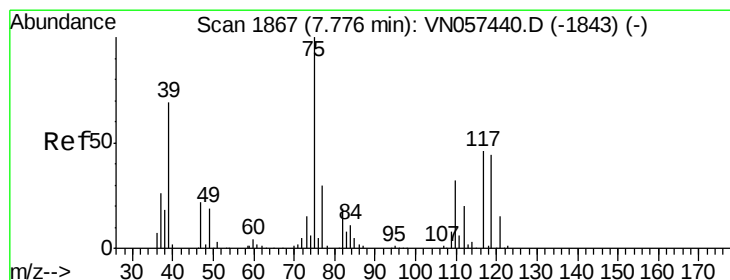
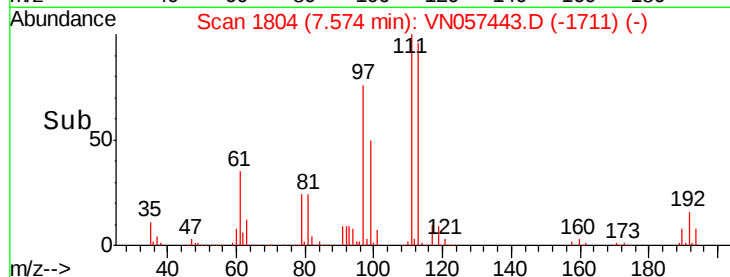
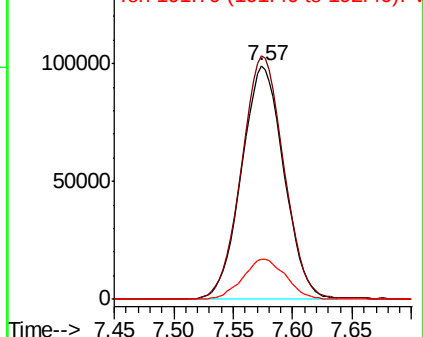
192 17.5 13.5 20.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.063 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

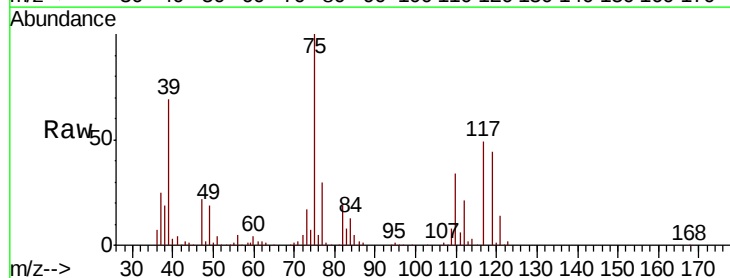
Tgt Ion: 75 Resp: 357701

Ion Ratio Lower Upper

75 100

110 32.1 16.1 48.3

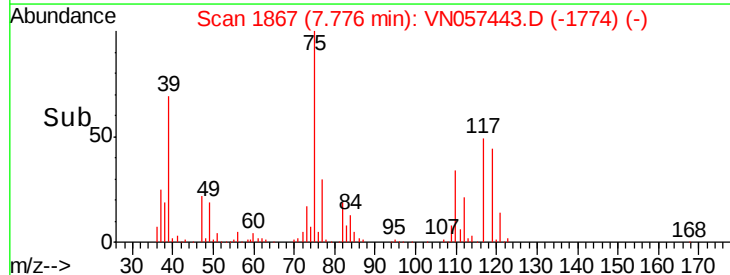
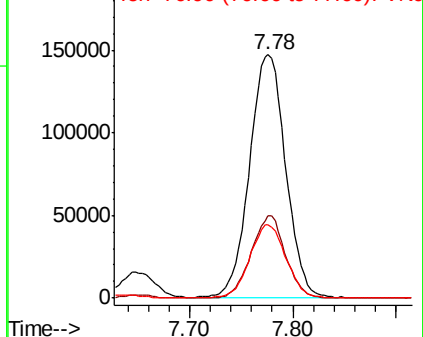
77 30.4 24.8 37.2

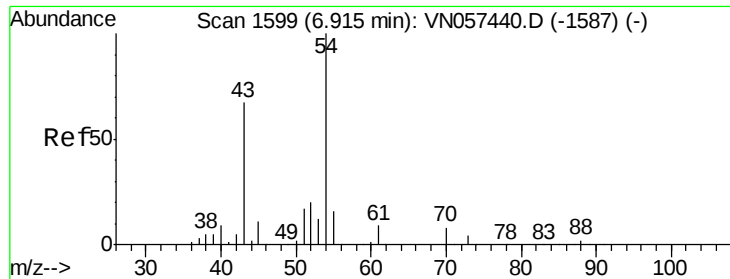


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

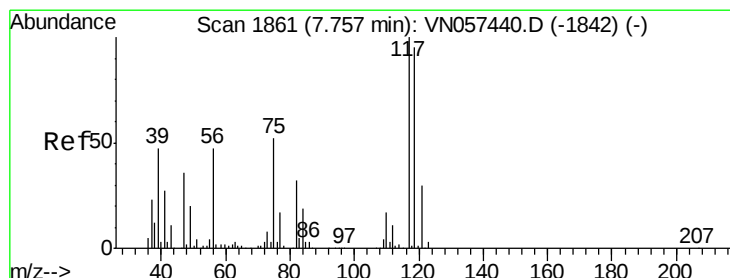
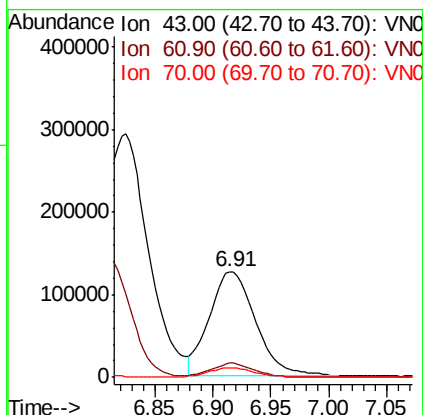
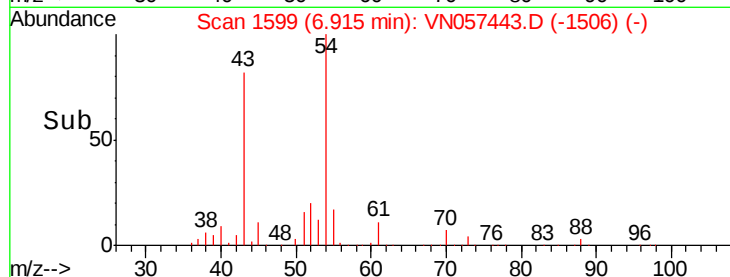
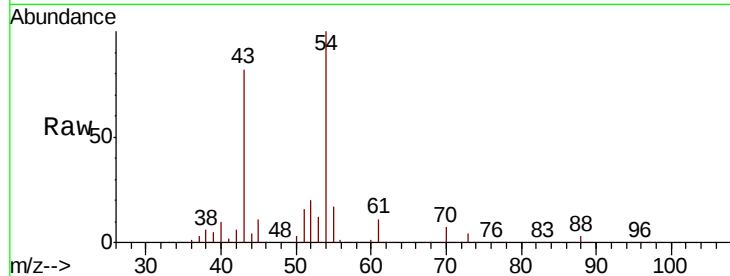




#37
Ethyl Acetate
Concen: 47.809 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

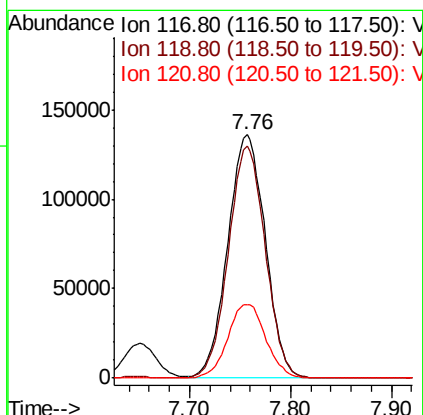
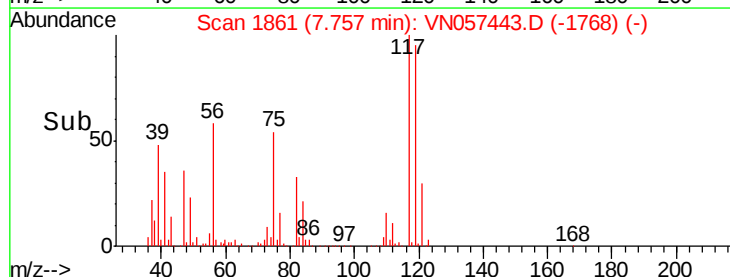
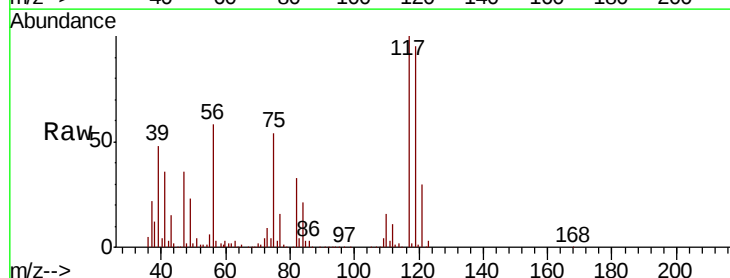
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

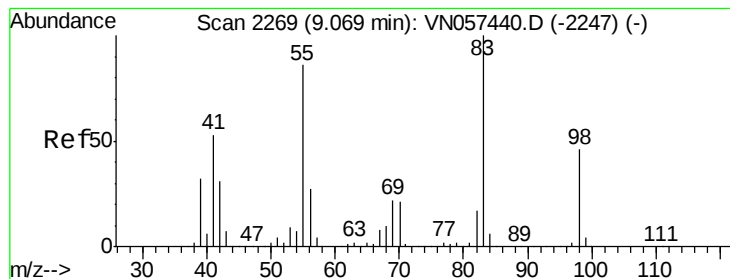
Tgt Ion: 43 Resp: 351590
Ion Ratio Lower Upper
43 100
61 12.9 9.9 14.9
70 9.1 7.0 10.6



#38
Carbon Tetrachloride
Concen: 47.651 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion: 117 Resp: 352309
Ion Ratio Lower Upper
117 100
119 95.3 76.2 114.4
121 30.3 23.8 35.6





#39

Methylcyclohexane

Concen: 49.295 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

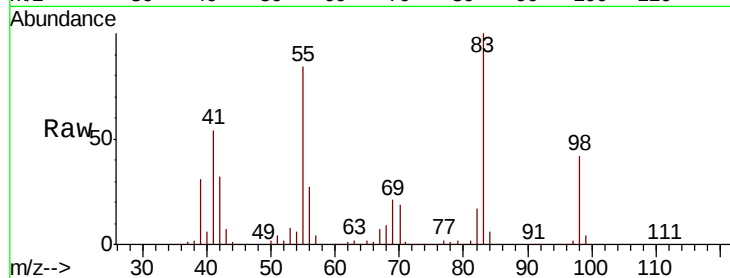
Tgt Ion: 83 Resp: 435715

Ion Ratio Lower Upper

83 100

55 83.5 68.6 102.8

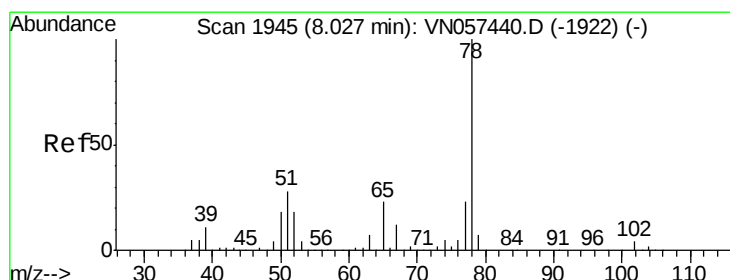
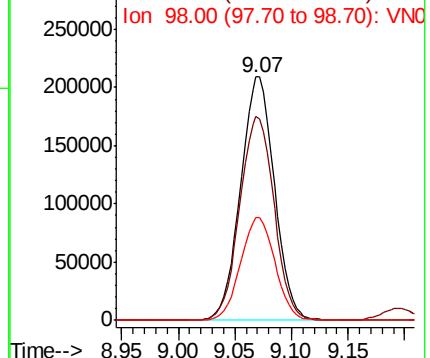
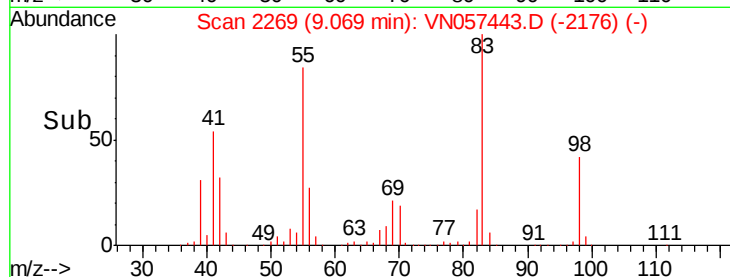
98 42.0 36.6 54.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 47.049 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN057443.D

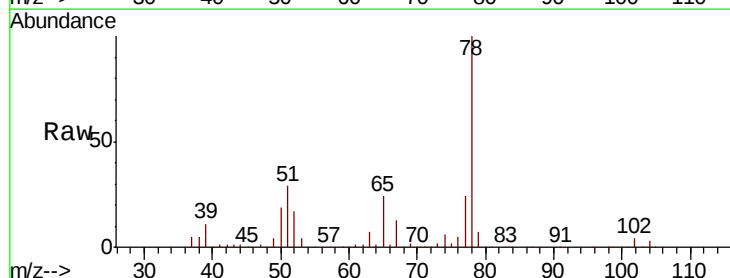
Acq: 22 Aug 2019 19:34

Tgt Ion: 78 Resp: 1050955

Ion Ratio Lower Upper

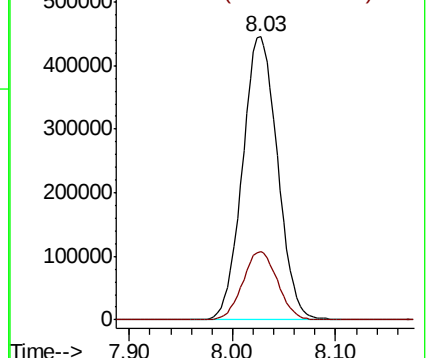
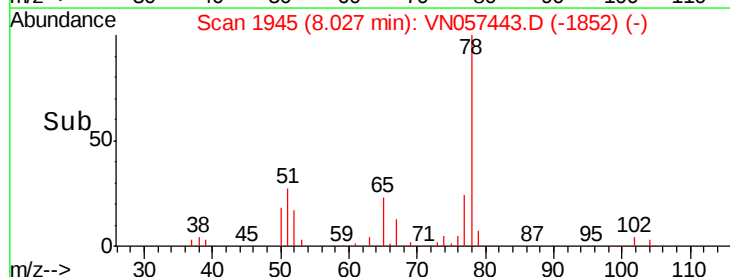
78 100

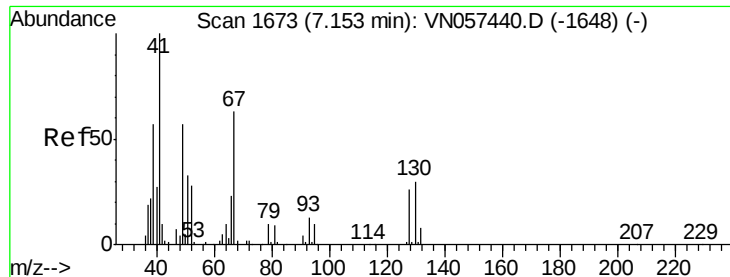
77 24.1 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 51.034 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

Tgt Ion: 41 Resp: 178960

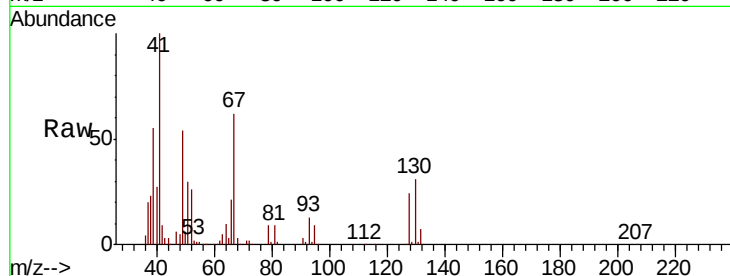
Ion Ratio Lower Upper

41 100

39 59.0 53.6 80.4

67 71.8 65.4 98.2

52 32.9 29.8 44.6

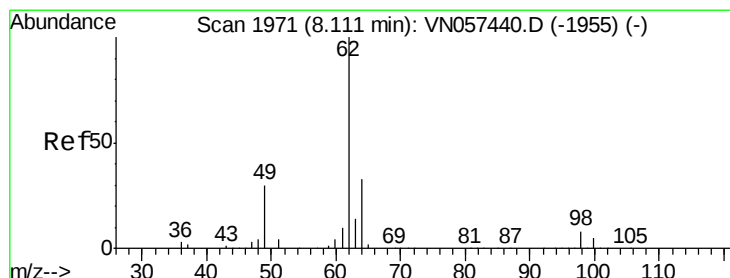
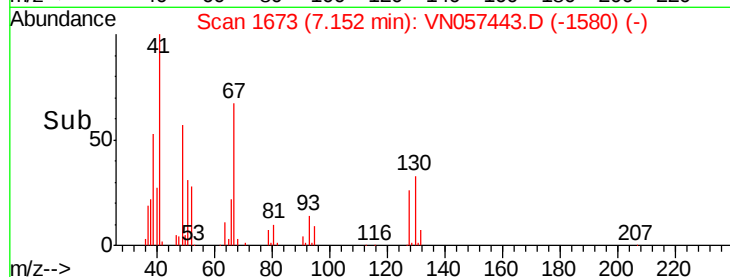
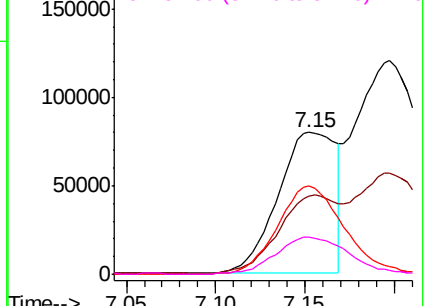


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 47.134 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN057443.D

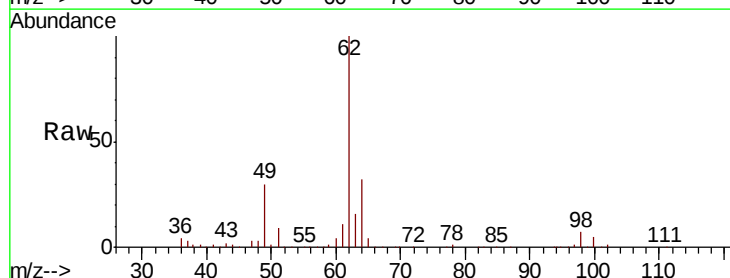
Acq: 22 Aug 2019 19:34

Tgt Ion: 62 Resp: 405386

Ion Ratio Lower Upper

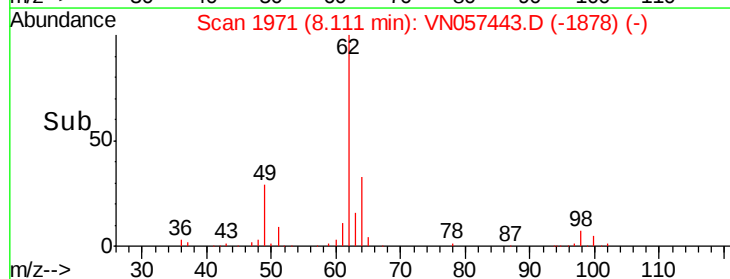
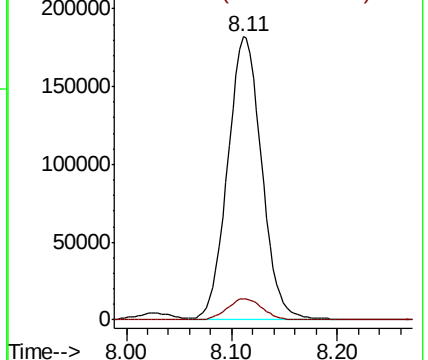
62 100

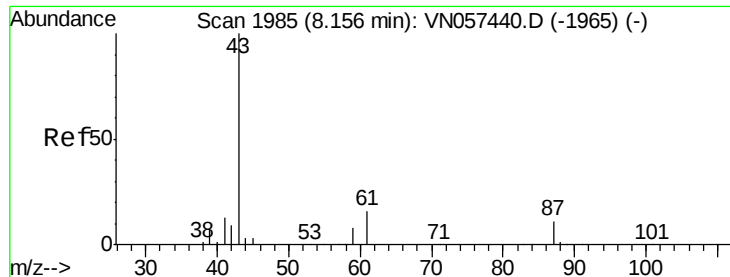
98 7.8 0.0 15.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 47.598 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

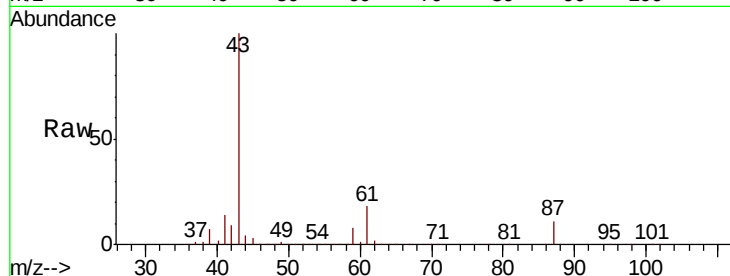
Tgt Ion: 43 Resp: 641828

Ion Ratio Lower Upper

43 100

61 18.3 14.5 21.7

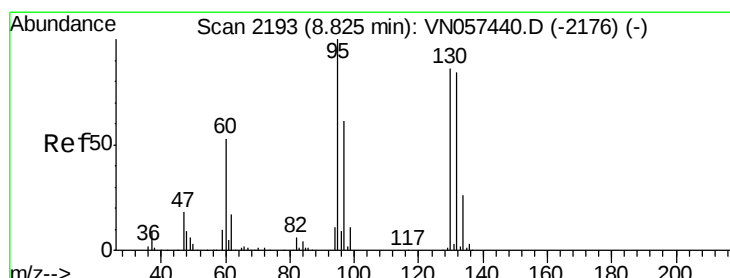
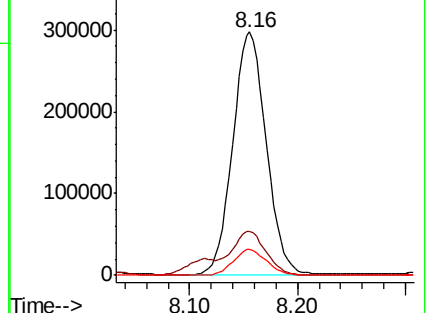
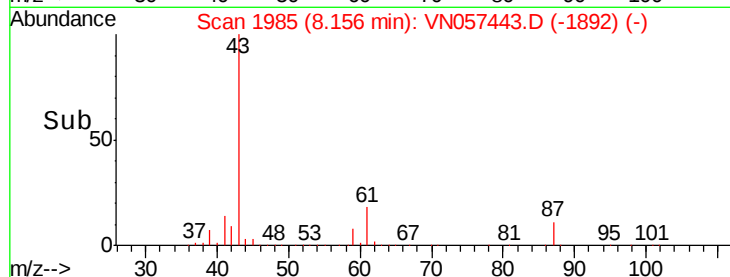
87 10.8 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN057443.D (-1892) (-)

Ion 61.00 (60.70 to 61.70): VN057443.D (-1892) (-)

Ion 87.00 (86.70 to 87.70): VN057443.D (-1892) (-)



#44

Trichloroethene

Concen: 48.146 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057443.D

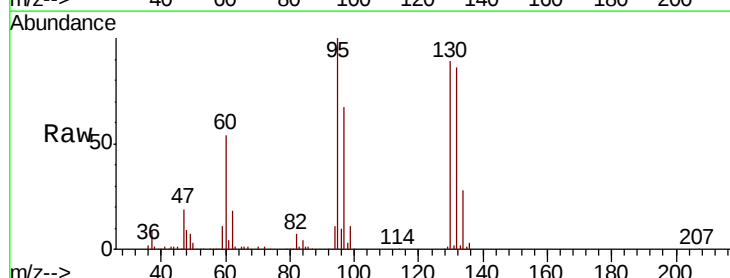
Acq: 22 Aug 2019 19:34

Tgt Ion: 130 Resp: 240068

Ion Ratio Lower Upper

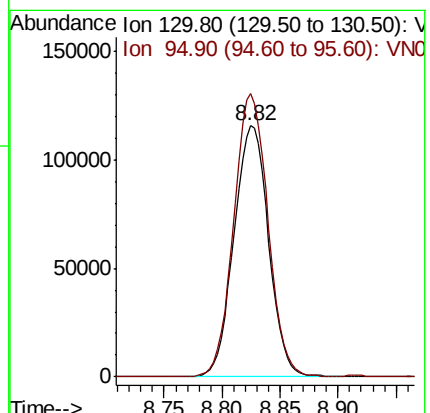
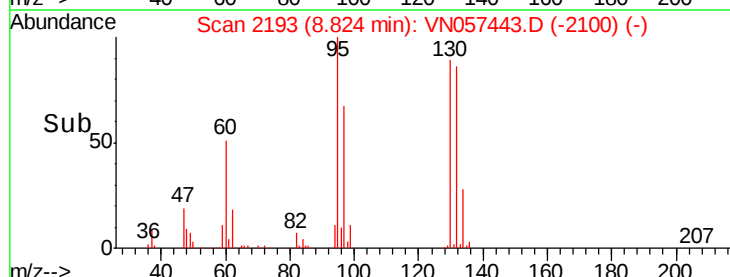
130 100

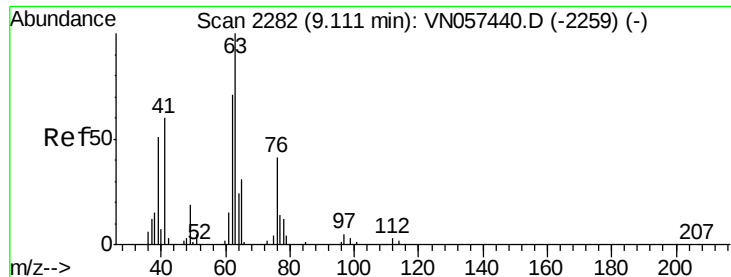
95 112.6 0.0 231.6



Abundance Ion 129.80 (129.50 to 130.50): VN057443.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN057443.D (-2100) (-)





#45

1,2-Dichloropropane

Concen: 47.109 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

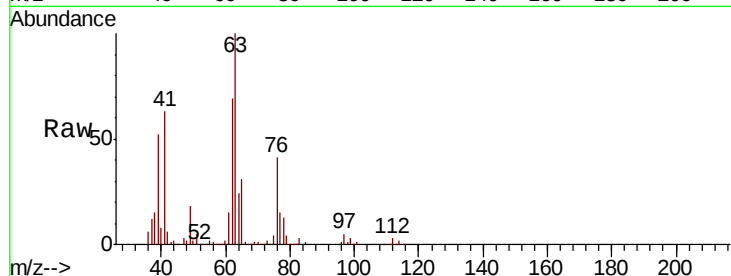
ICVFN082219

Tgt Ion: 63 Resp: 296360

Ion Ratio Lower Upper

63 100

65 30.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.11

150000

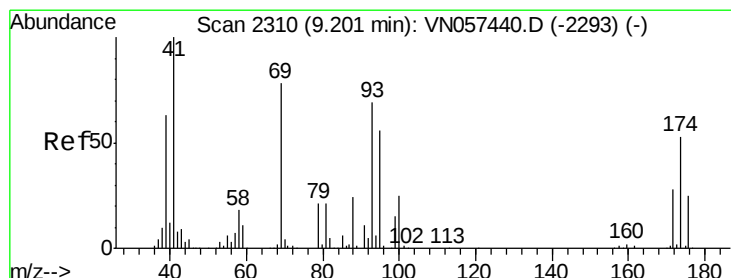
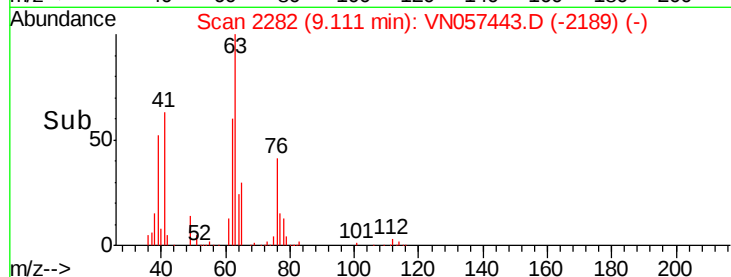
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 50.306 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

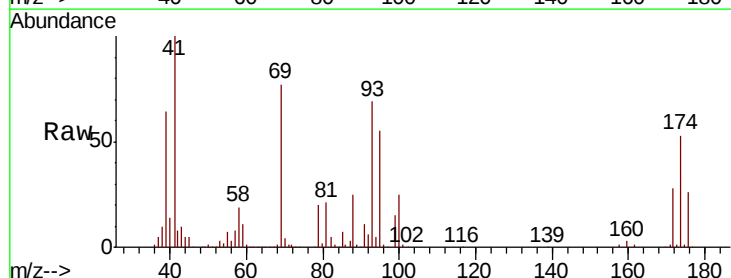
Tgt Ion: 93 Resp: 185424

Ion Ratio Lower Upper

93 100

95 82.5 64.7 97.1

174 79.2 62.3 93.5



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

9.20

120000

100000

80000

60000

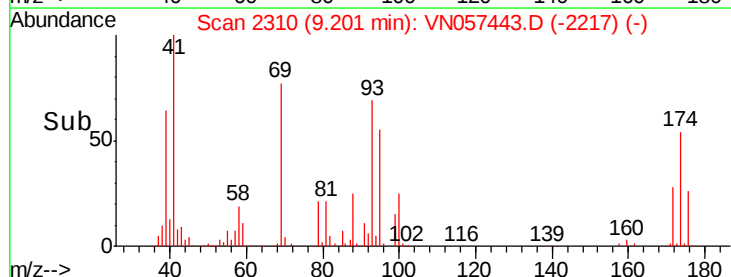
40000

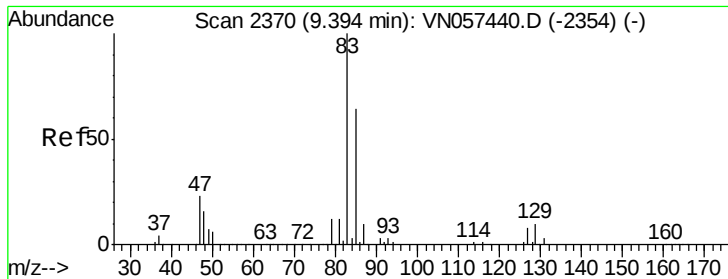
20000

0

Time-->

9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 46.823 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

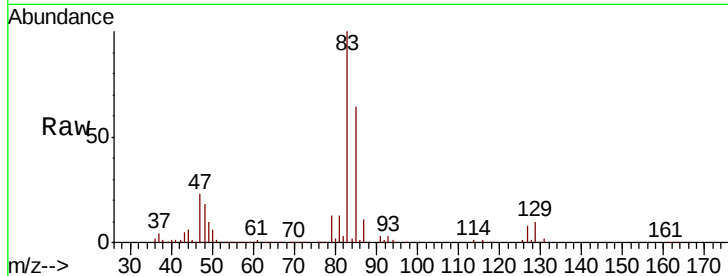
Tgt Ion: 83 Resp: 388607

Ion Ratio Lower Upper

83 100

85 63.8 51.2 76.8

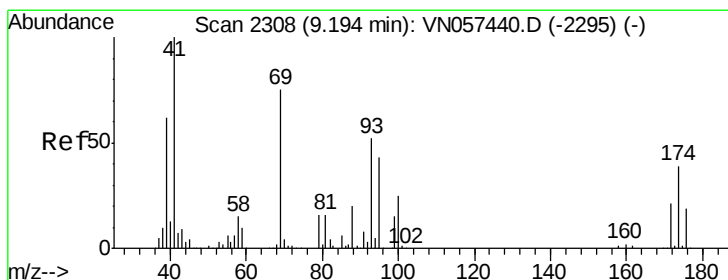
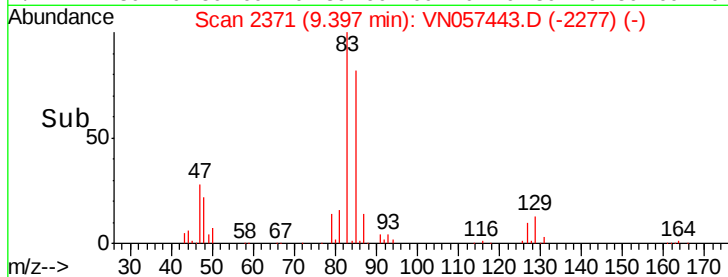
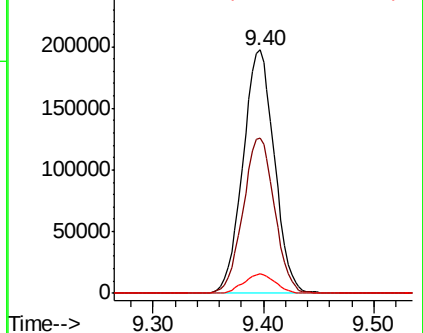
127 7.9 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 47.162 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

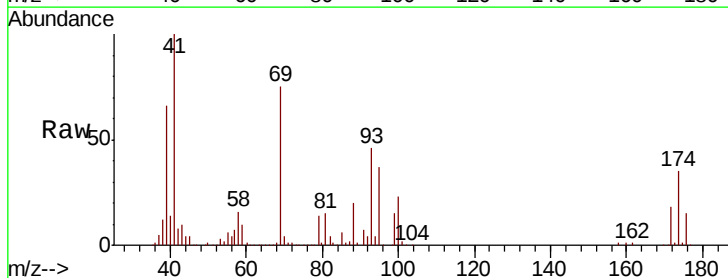
Tgt Ion: 41 Resp: 302409

Ion Ratio Lower Upper

41 100

69 77.2 59.3 88.9

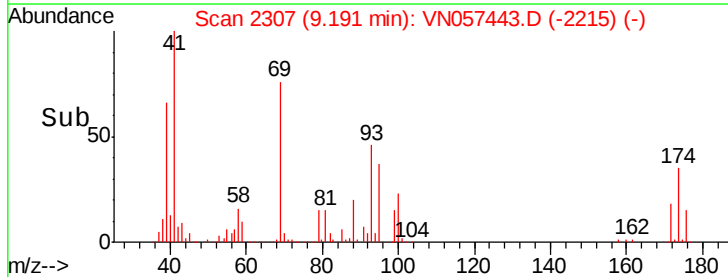
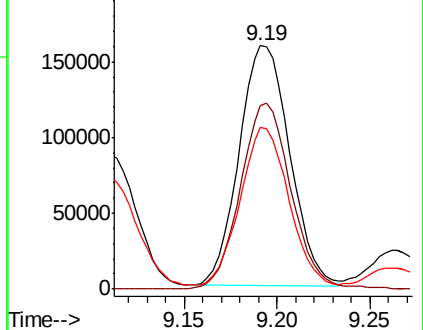
39 65.3 50.6 75.8

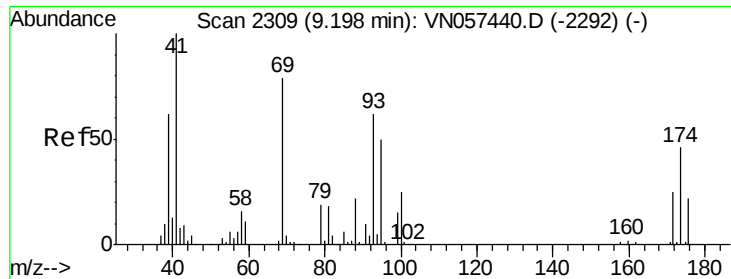


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

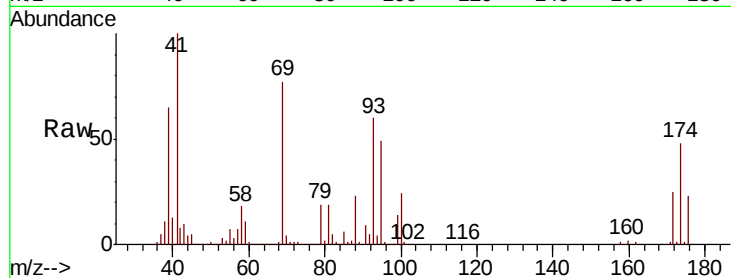




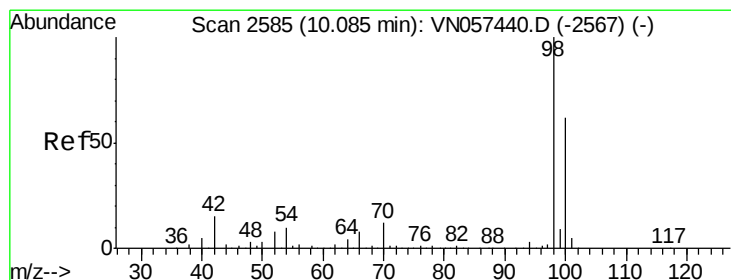
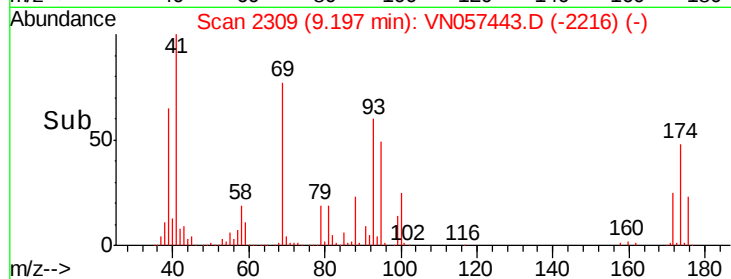
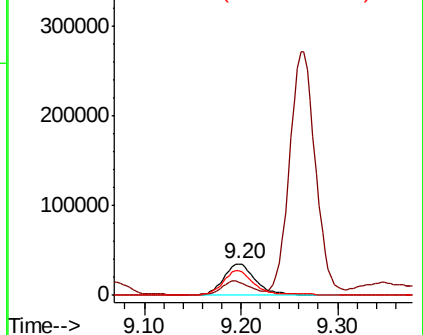
#49
 1,4-Dioxane
 Concen: 980.608 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

Tgt Ion: 88 Resp: 81310
 Ion Ratio Lower Upper
 88 100
 43 36.9 31.0 46.6
 58 77.2 64.5 96.7

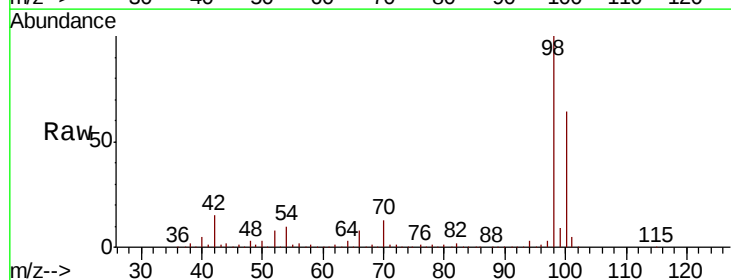


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

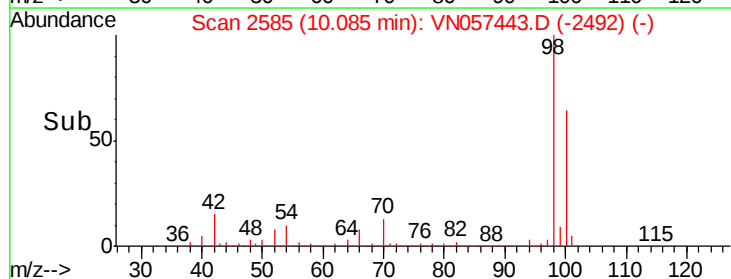
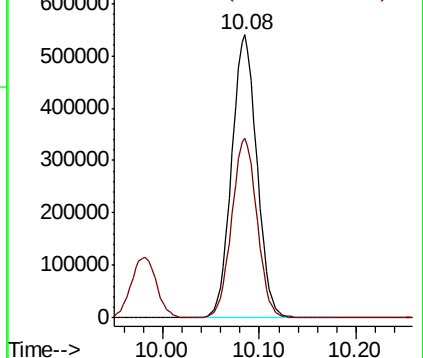


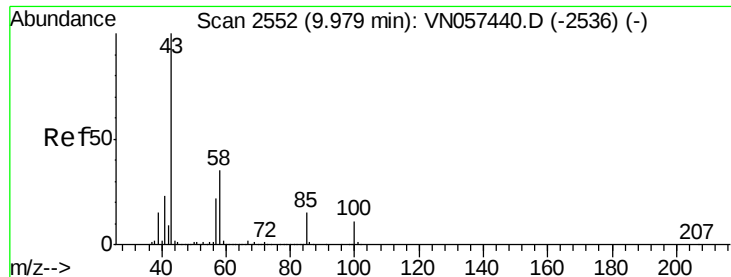
#50
 Toluene-d8
 Concen: 52.568 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion: 98 Resp: 977899
 Ion Ratio Lower Upper
 98 100
 100 63.3 50.4 75.6



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

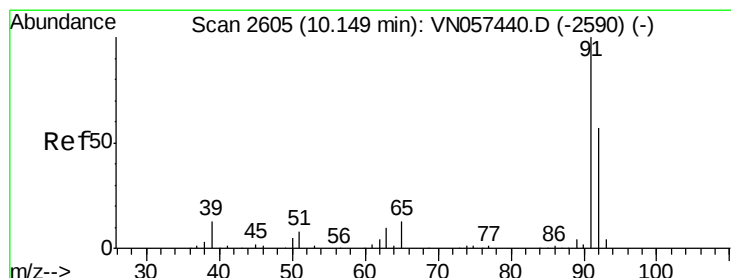
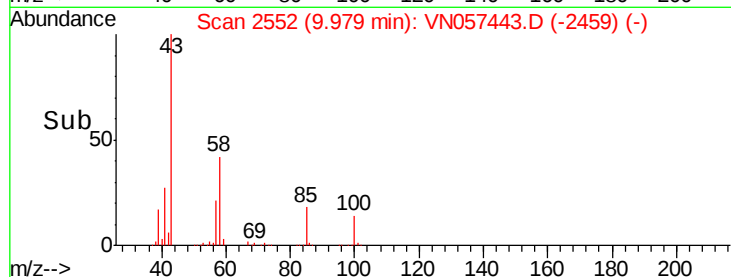
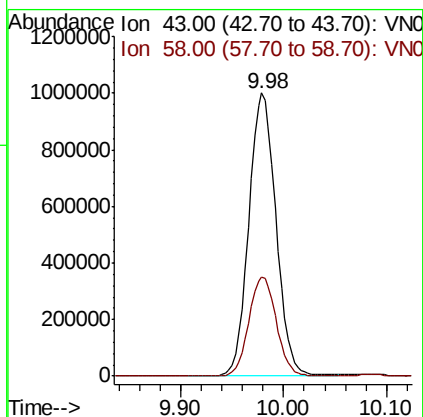
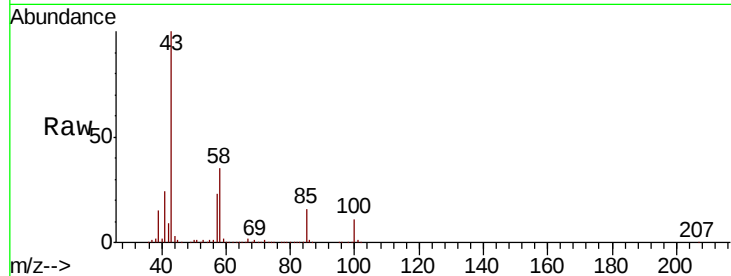




#51
 4-Methyl-2-Pentanone
 Concen: 242.308 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

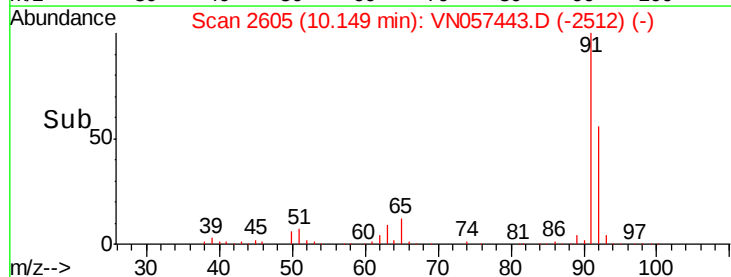
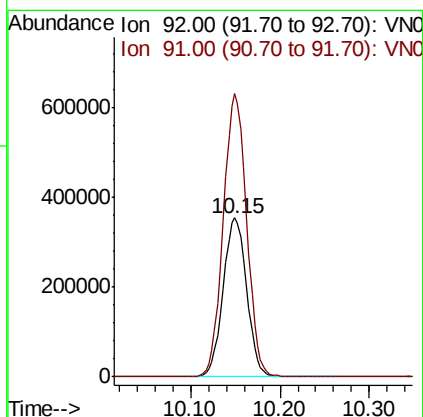
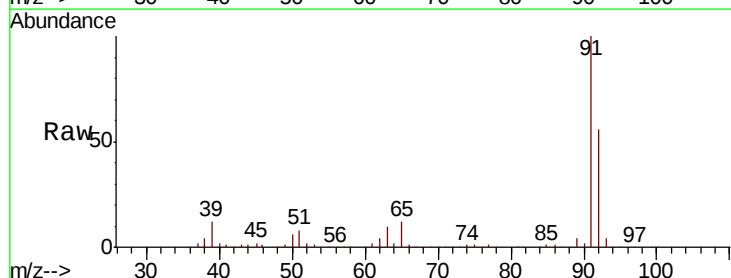
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

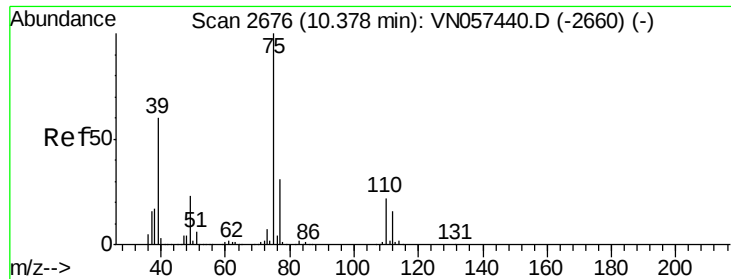
Tgt Ion: 43 Resp: 1820967
 Ion Ratio Lower Upper
 43 100
 58 35.4 27.9 41.9



#52
 Toluene
 Concen: 50.323 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion: 92 Resp: 647882
 Ion Ratio Lower Upper
 92 100
 91 176.5 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 48.378 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

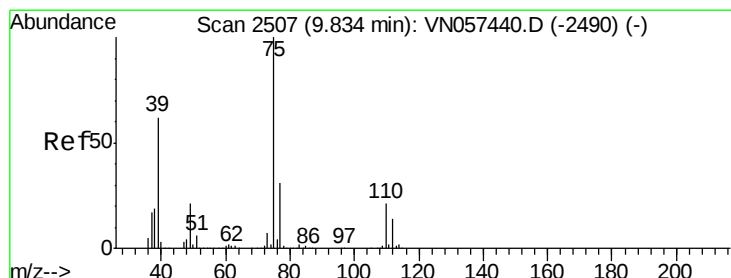
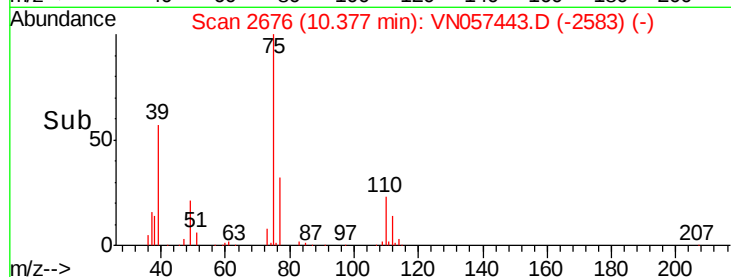
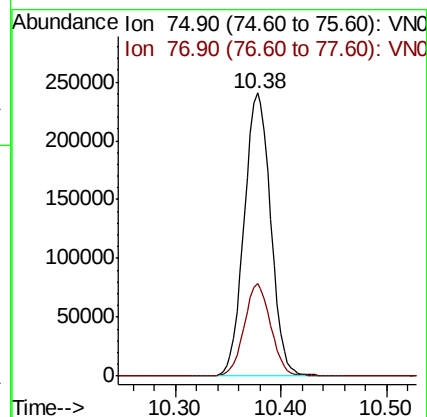
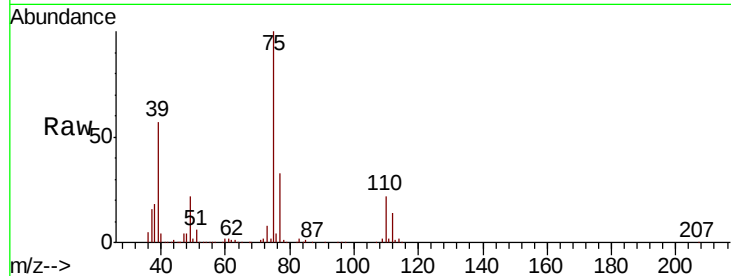
ICVVN082219

Tgt Ion: 75 Resp: 420572

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 46.497 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

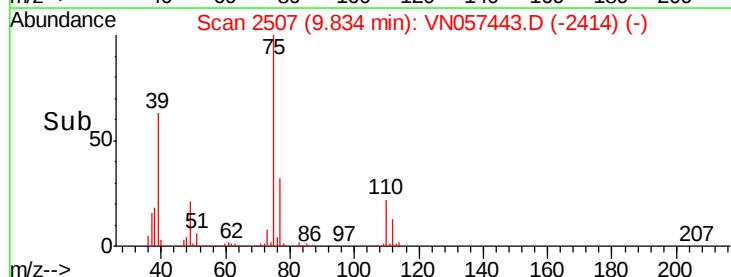
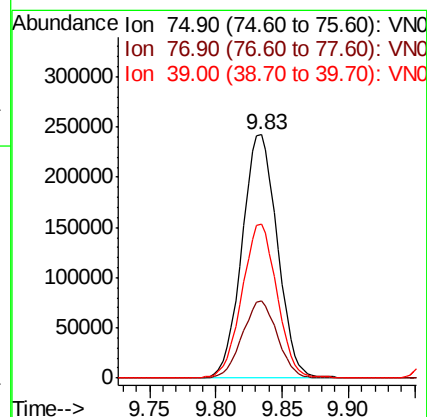
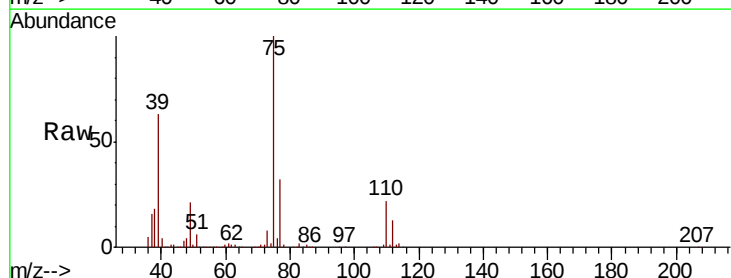
Tgt Ion: 75 Resp: 450060

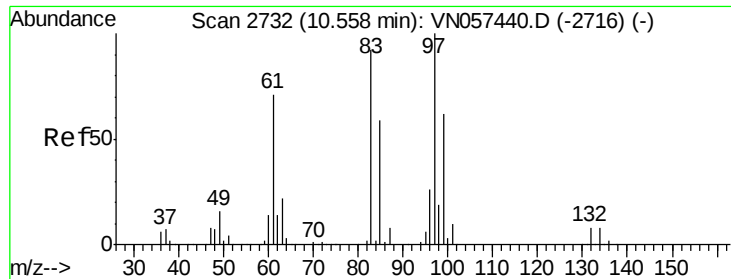
Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6

39 63.3 49.2 73.8

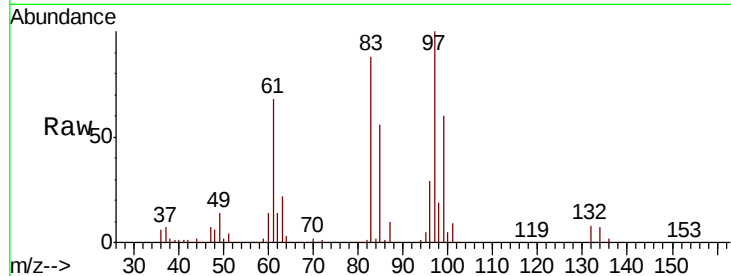




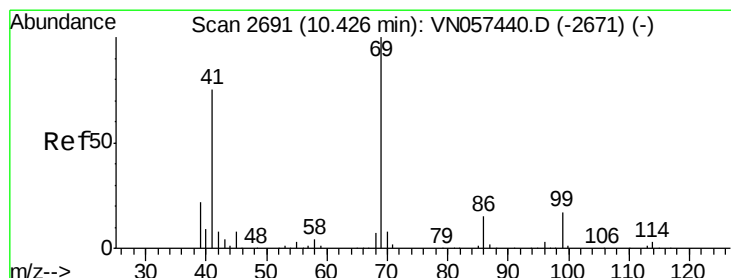
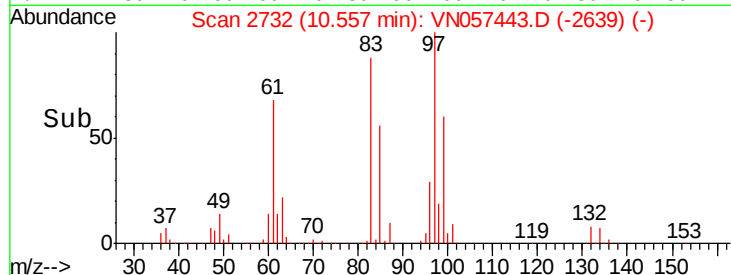
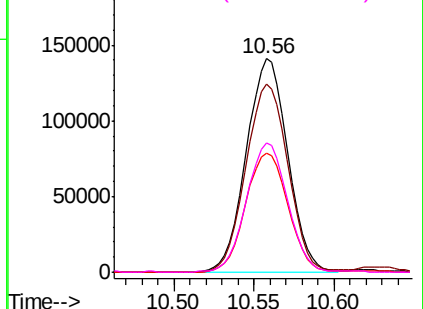
#55
 1,1,2-Trichloroethane
 Concen: 47.874 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

Tgt Ion: 97 Resp: 249247
 Ion Ratio Lower Upper
 97 100
 83 88.3 73.7 110.5
 85 56.0 46.8 70.2
 99 60.4 49.8 74.8

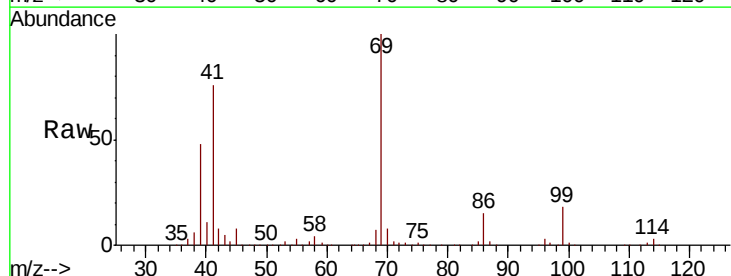


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

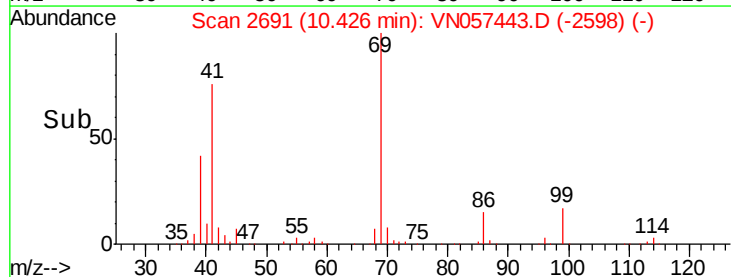
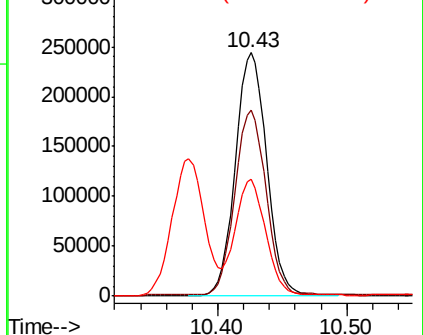


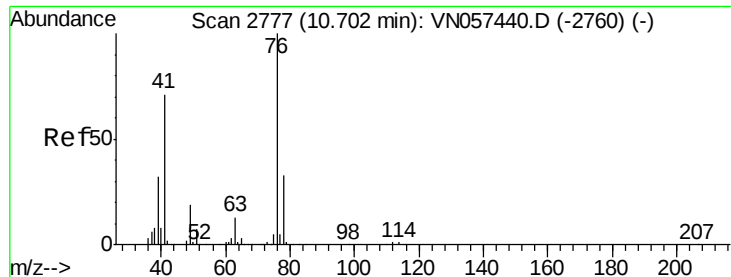
#56
 Ethyl methacrylate
 Concen: 50.532 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion: 69 Resp: 413861
 Ion Ratio Lower Upper
 69 100
 41 75.2 60.8 91.2
 39 46.2 36.5 54.7



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 48.544 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

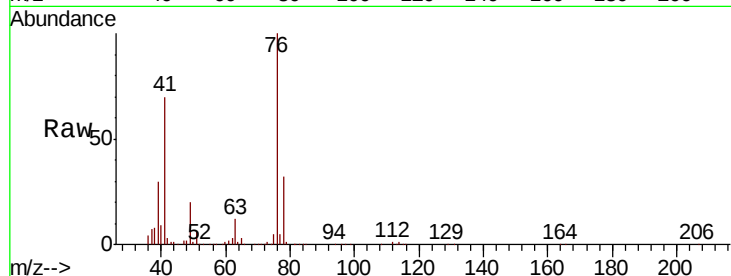
ICV082219

Tgt Ion: 76 Resp: 439871

Ion Ratio Lower Upper

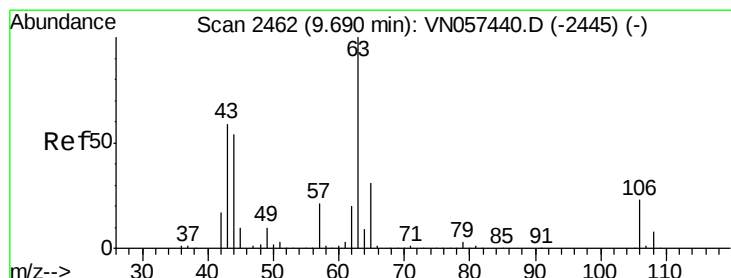
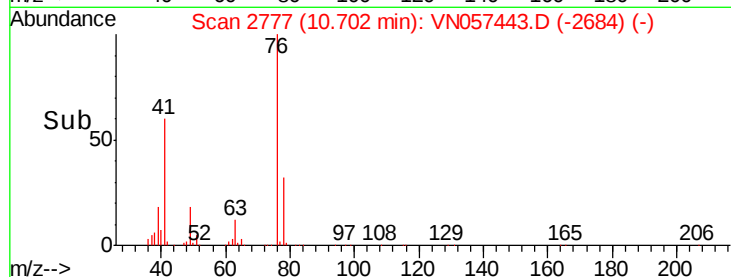
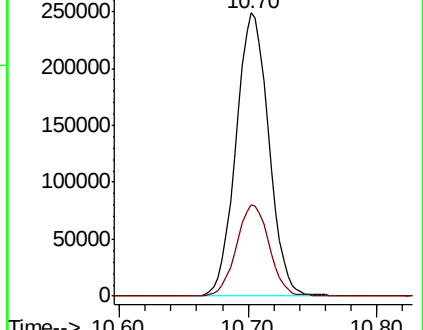
76 100

78 32.4 25.5 38.3



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: 230.285 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057443.D

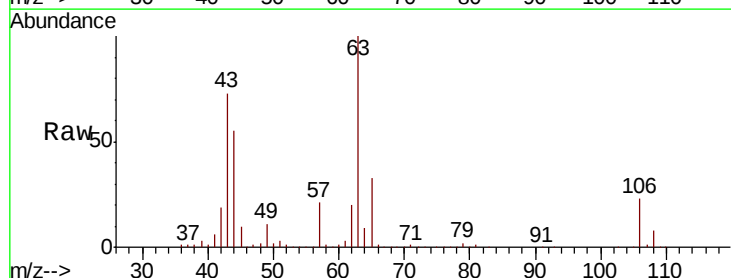
Acq: 22 Aug 2019 19:34

Tgt Ion: 63 Resp: 521981

Ion Ratio Lower Upper

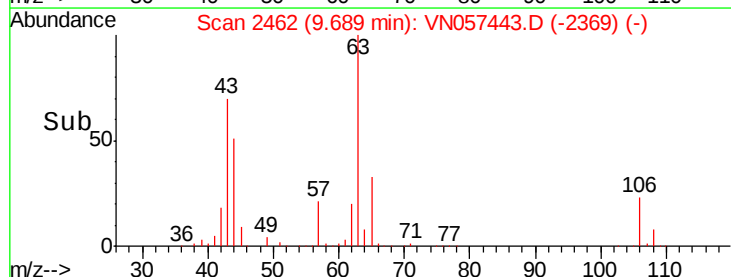
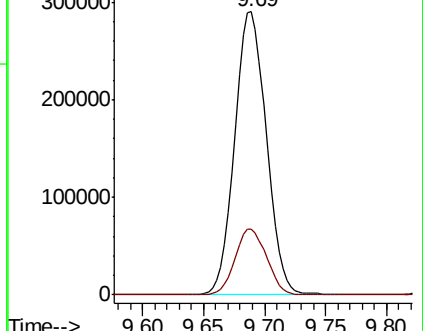
63 100

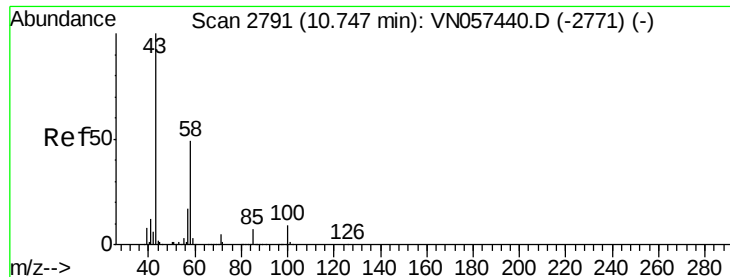
106 23.2 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

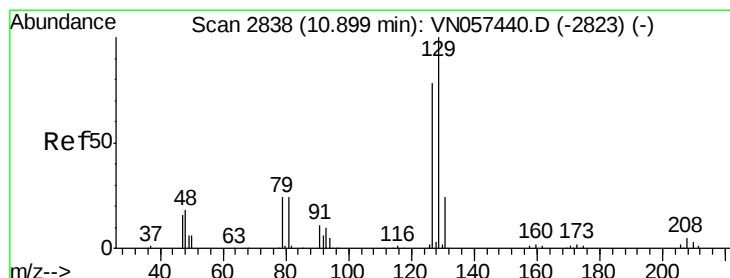
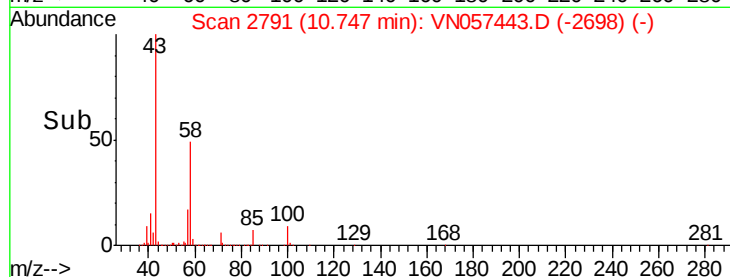
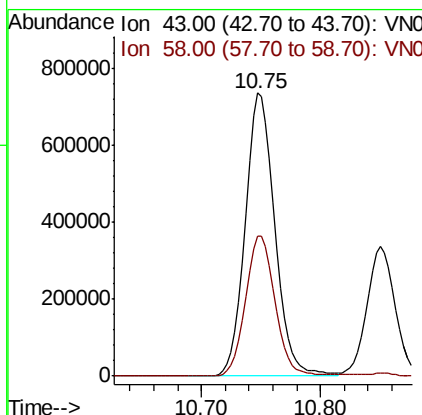
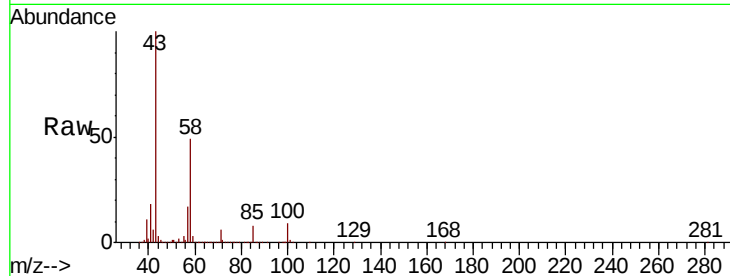




#59
2-Hexanone
Concen: 245.551 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

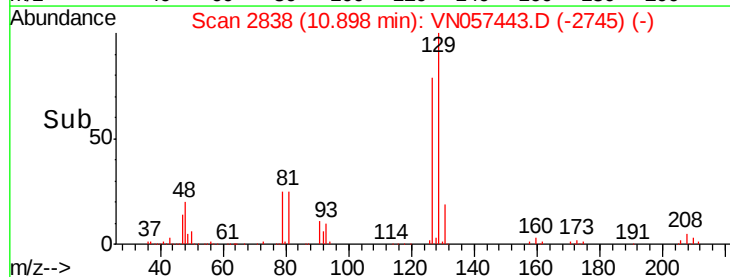
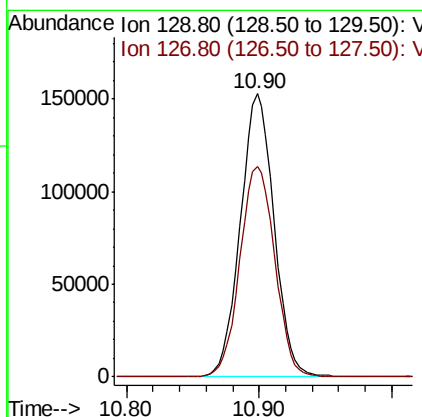
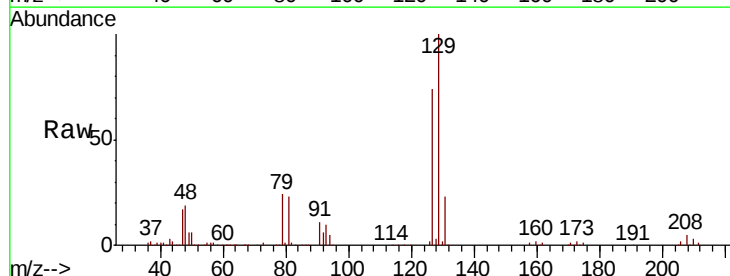
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

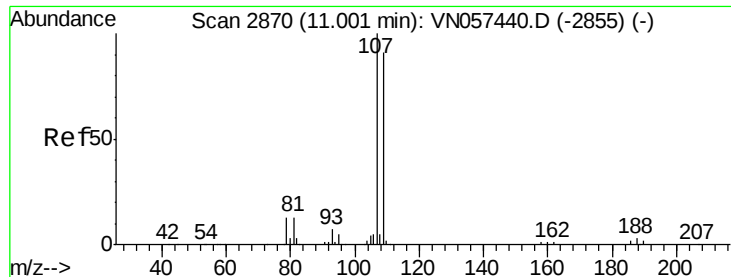
Tgt Ion: 43 Resp: 1265688
Ion Ratio Lower Upper
43 100
58 49.9 24.6 73.6



#60
Dibromochloromethane
Concen: 49.087 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion: 129 Resp: 270080
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 49.370 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

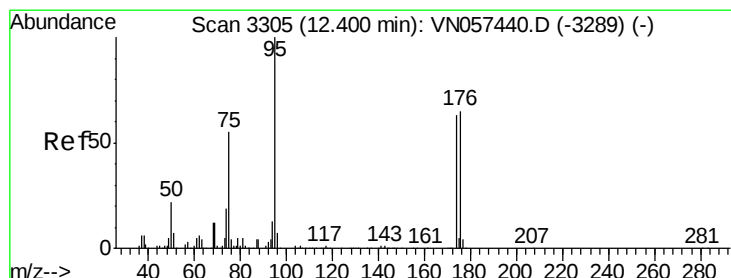
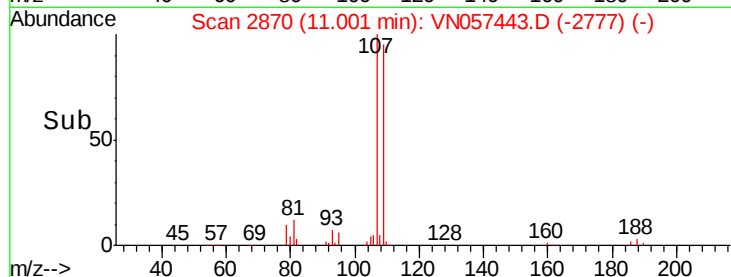
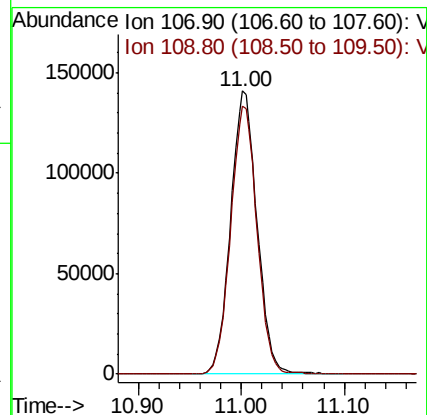
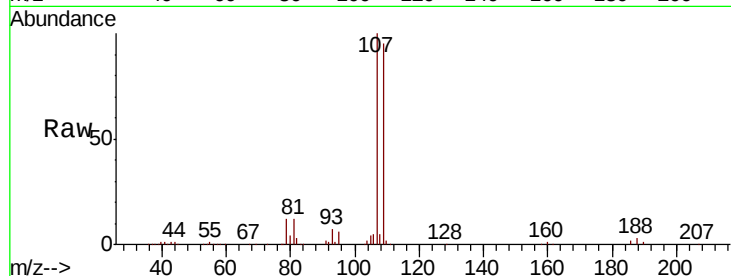
ICVVN082219

Tgt Ion: 107 Resp: 252105

Ion Ratio Lower Upper

107 100

109 94.3 73.8 110.8



#62

4-Bromofluorobenzene

Concen: 53.436 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

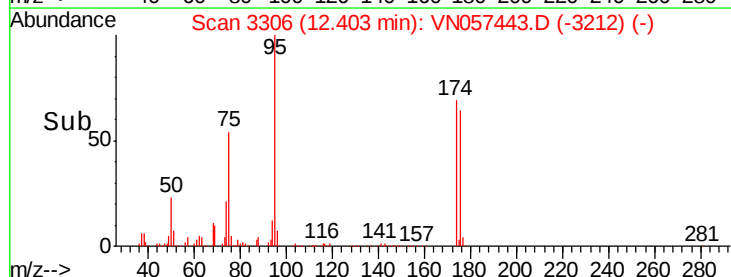
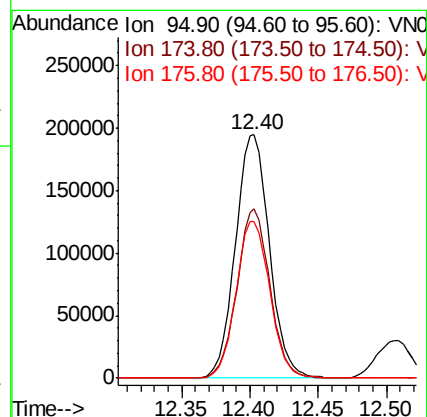
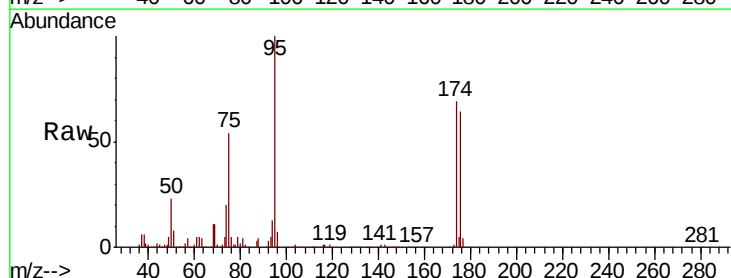
Tgt Ion: 95 Resp: 336866

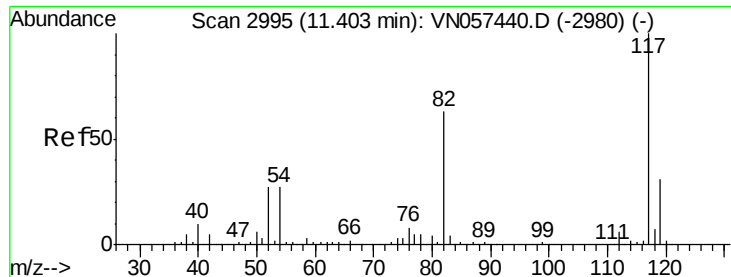
Ion Ratio Lower Upper

95 100

174 67.2 0.0 133.0

176 64.4 0.0 130.8

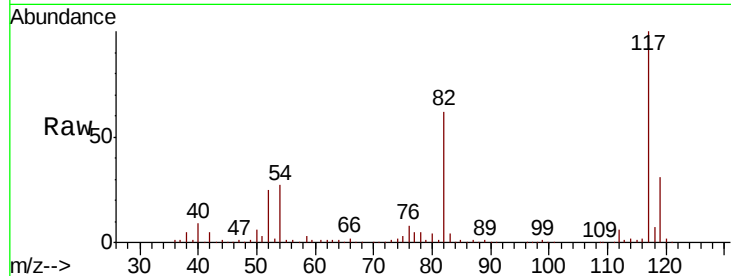




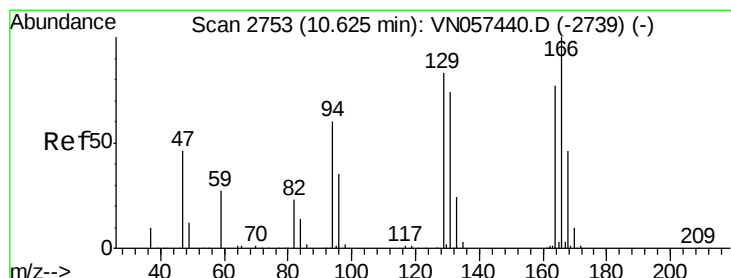
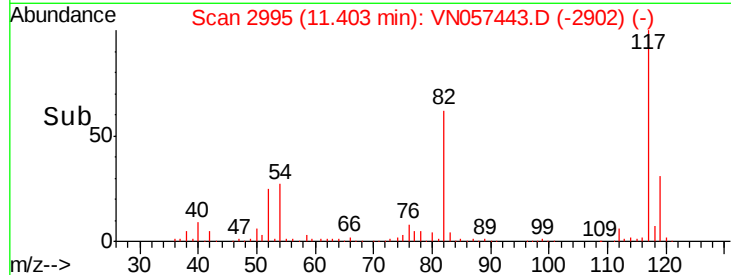
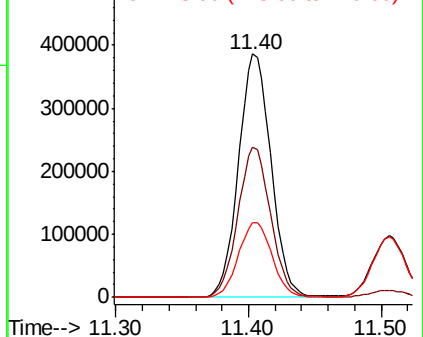
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tgt Ion:117 Resp: 661519
Ion Ratio Lower Upper
117 100
82 61.6 50.6 75.8
119 30.7 24.6 36.8

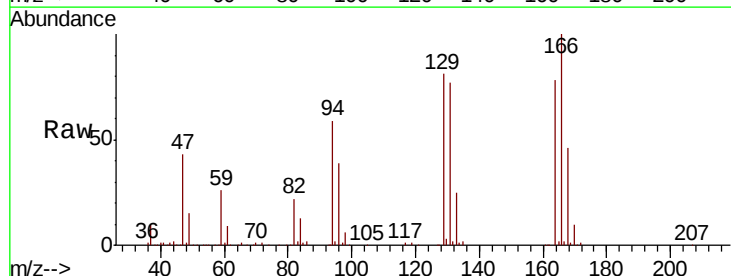


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

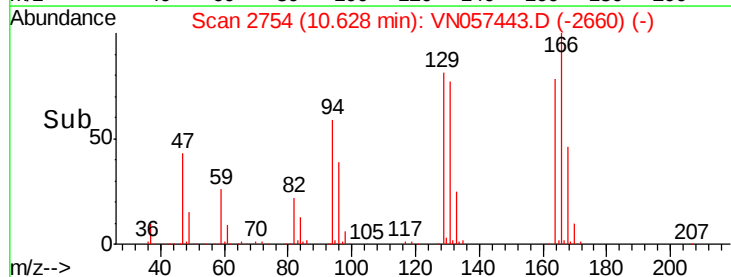
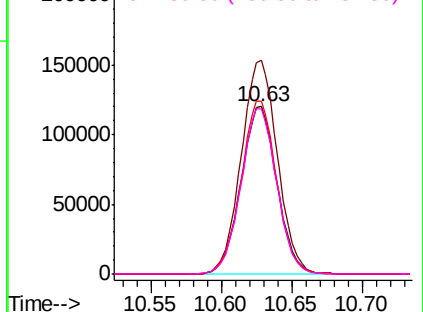


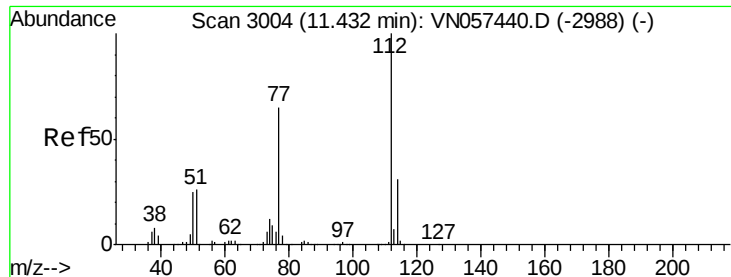
#64
Tetrachloroethene
Concen: 46.370 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion:164 Resp: 214606
Ion Ratio Lower Upper
164 100
166 127.6 104.4 156.6
129 102.9 86.6 130.0
131 98.7 77.6 116.4



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

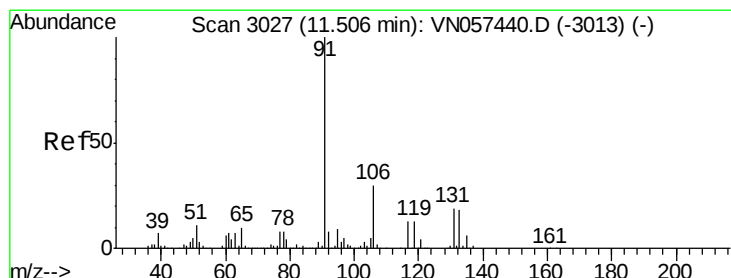
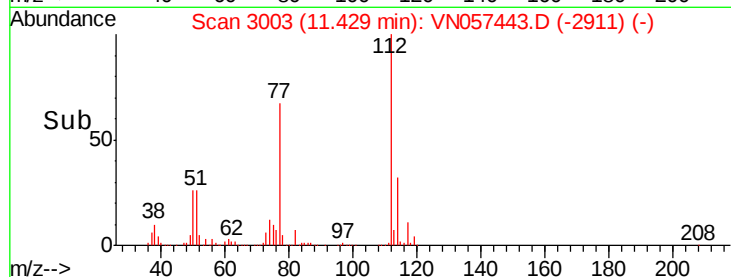
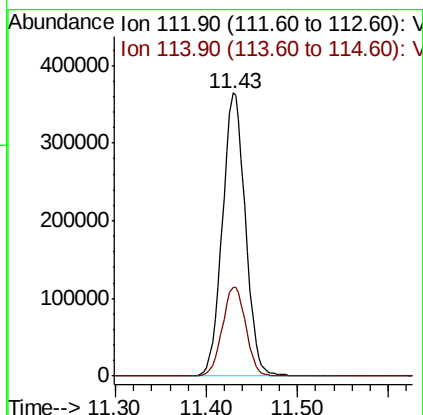
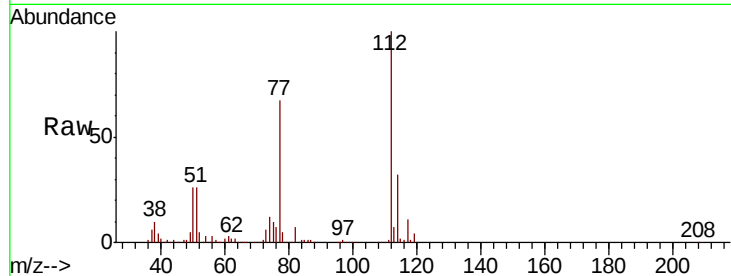




#65
Chlorobenzene
Concen: 47.795 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

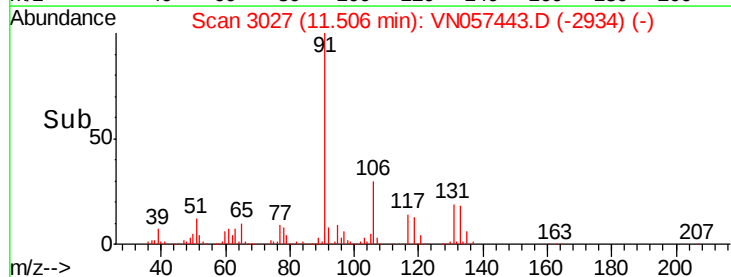
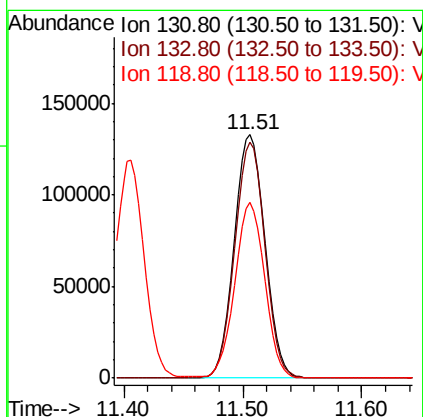
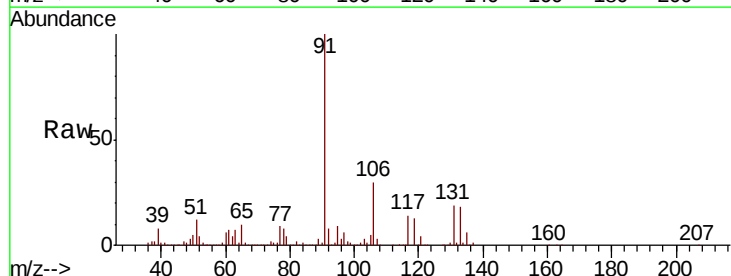
Instrument :
MSVOA_N
ClientSampleId :
ICVFN082219

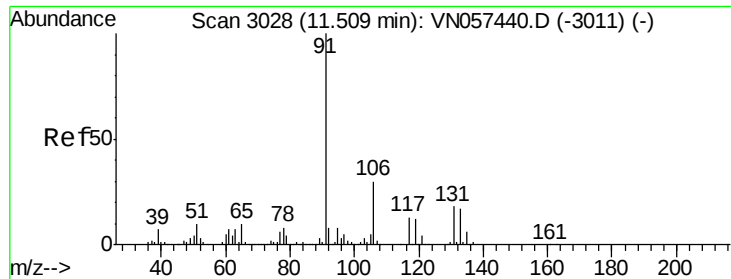
Tgt Ion:112 Resp: 639135
Ion Ratio Lower Upper
112 100
114 31.6 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 46.471 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion:131 Resp: 238323
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.8
119 70.2 34.4 103.2

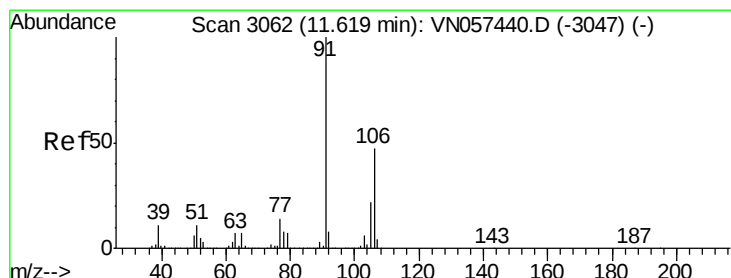
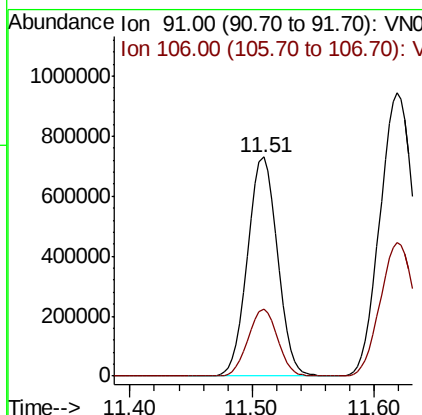
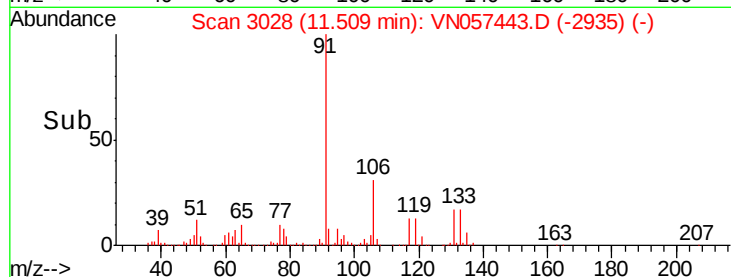
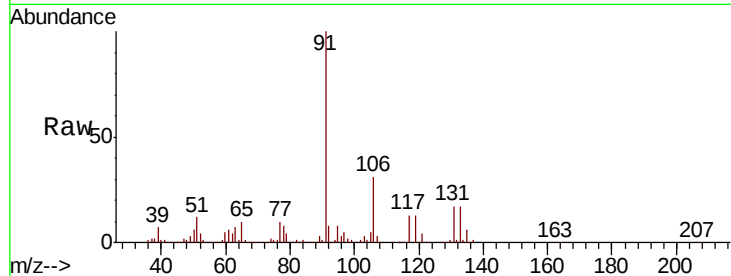




#67
Ethyl Benzene
Concen: 47.530 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

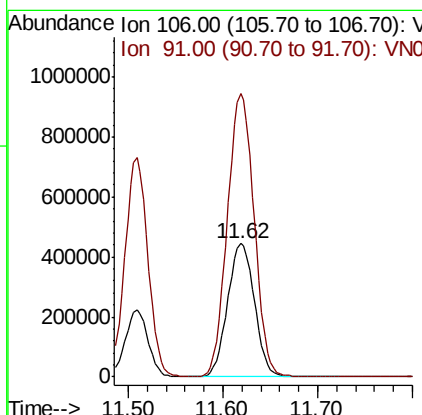
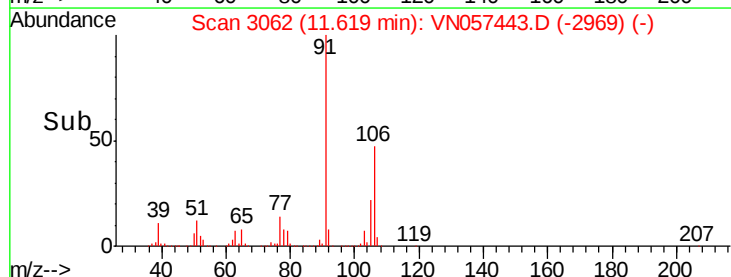
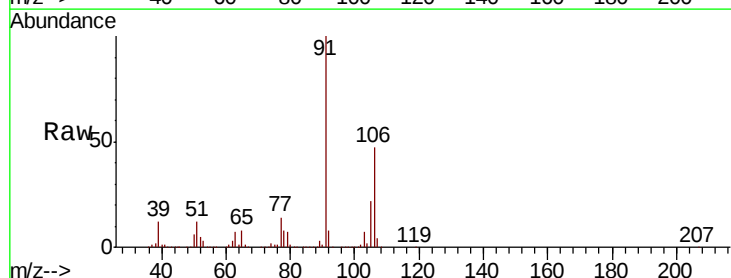
Instrument :
MSVOA_N
ClientSampled :
ICVVN082219

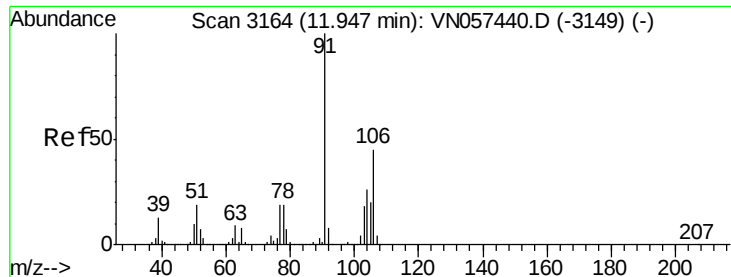
Tgt Ion: 91 Resp: 1230234
Ion Ratio Lower Upper
91 100
106 30.6 24.1 36.1



#68
m/p-Xylenes
Concen: 100.114 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion: 106 Resp: 881244
Ion Ratio Lower Upper
106 100
91 210.7 171.8 257.6

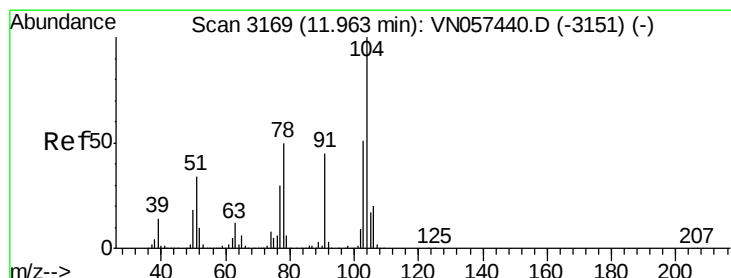
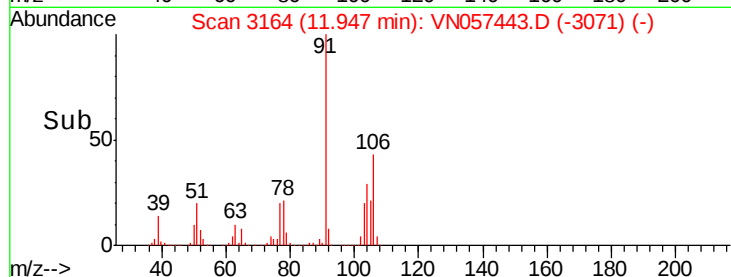
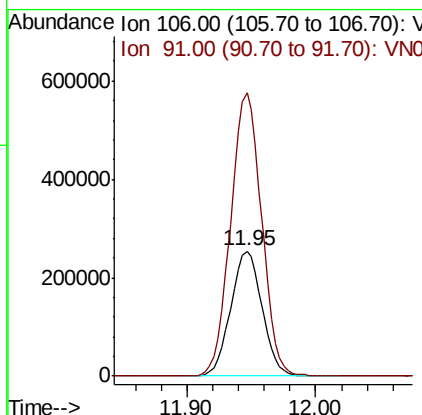
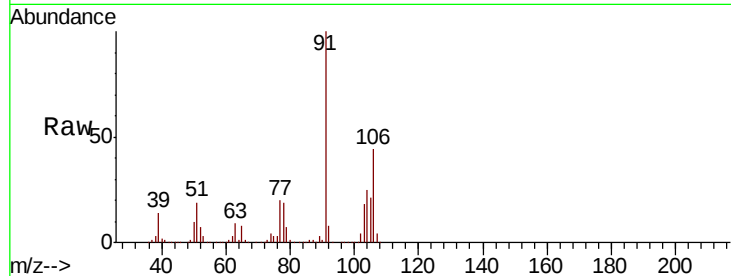




#69
o-Xylene
Concen: 49.097 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

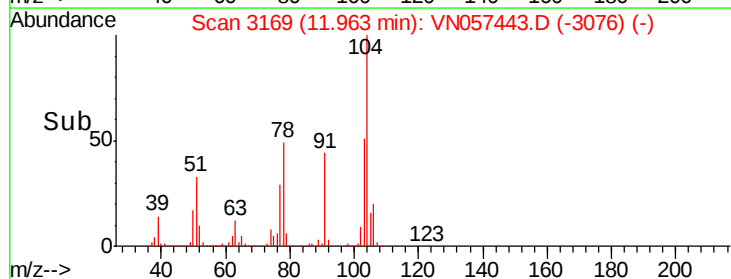
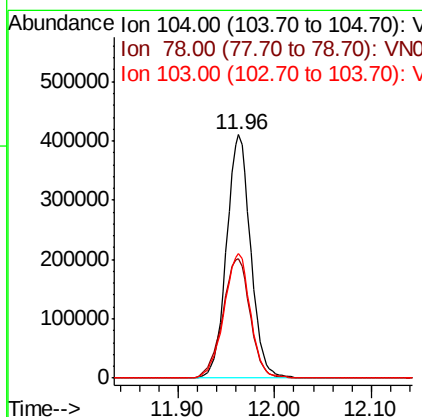
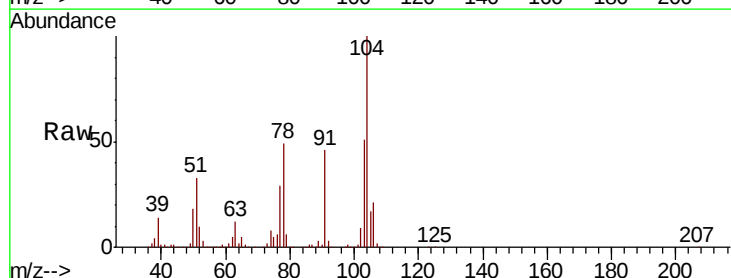
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

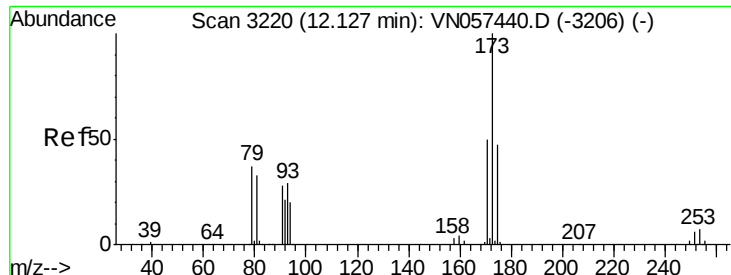
Tgt Ion:106 Resp: 428120
Ion Ratio Lower Upper
106 100
91 224.3 112.3 336.9



#70
Styrene
Concen: 51.273 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion:104 Resp: 707948
Ion Ratio Lower Upper
104 100
78 56.0 44.7 67.1
103 56.2 44.4 66.6





#71

Bromoform

Concen: 47.318 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

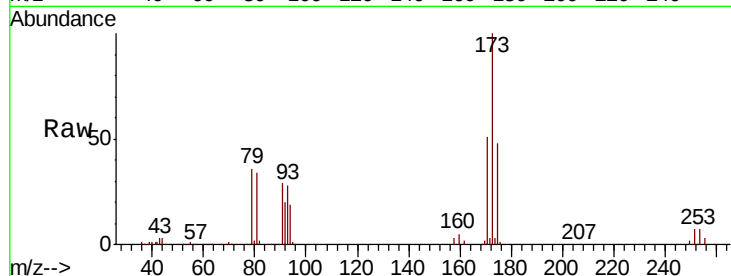
Tgt Ion:173 Resp: 164040

Ion Ratio Lower Upper

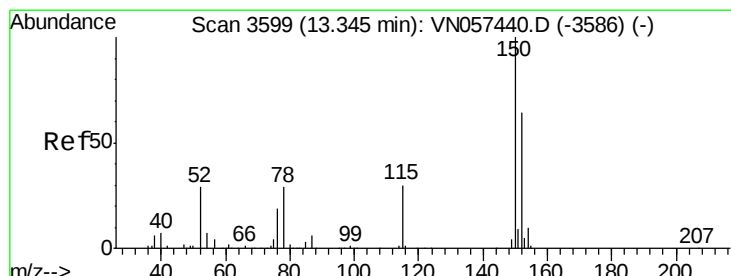
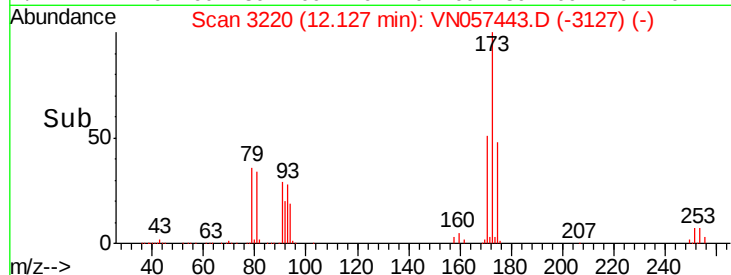
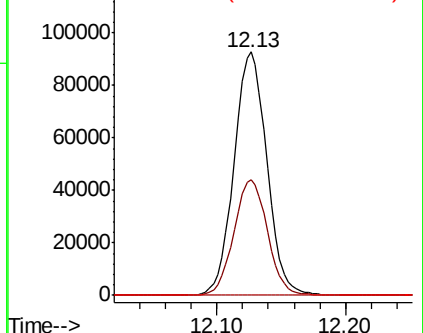
173 100

175 48.4 23.9 71.8

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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

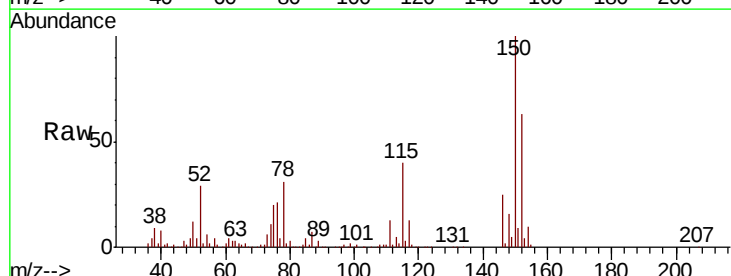
Tgt Ion:152 Resp: 247843

Ion Ratio Lower Upper

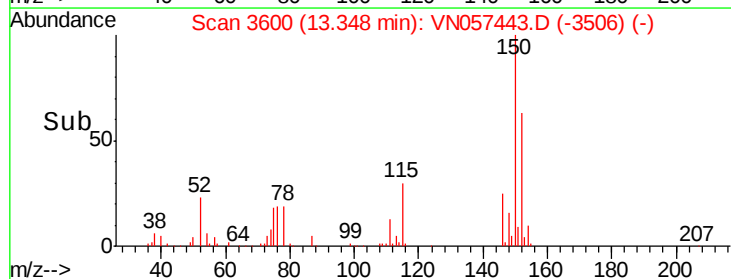
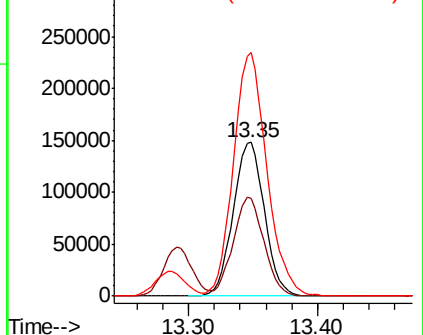
152 100

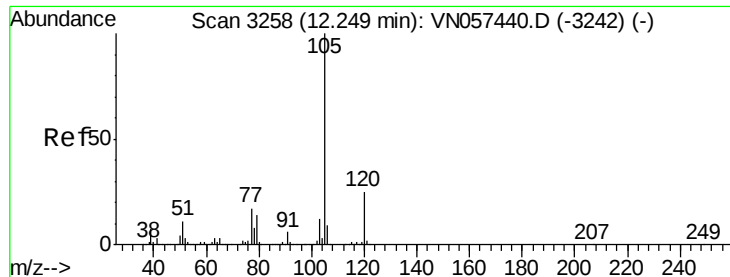
115 63.8 32.0 96.0

150 170.5 0.0 346.6



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: 52.617 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

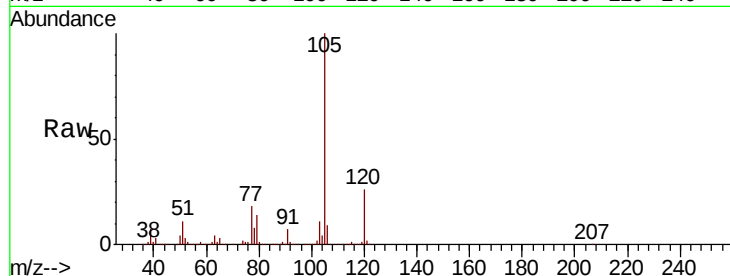
ICVVN082219

Tgt Ion:105 Resp: 1152670

Ion Ratio Lower Upper

105 100

120 25.8 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

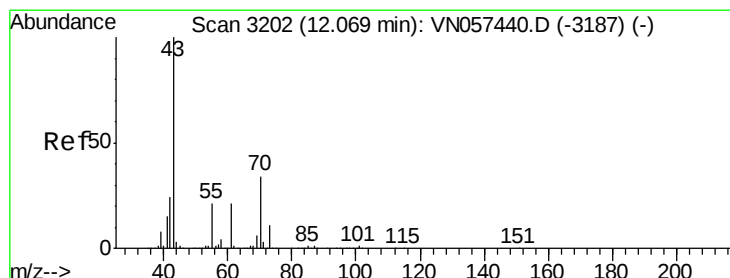
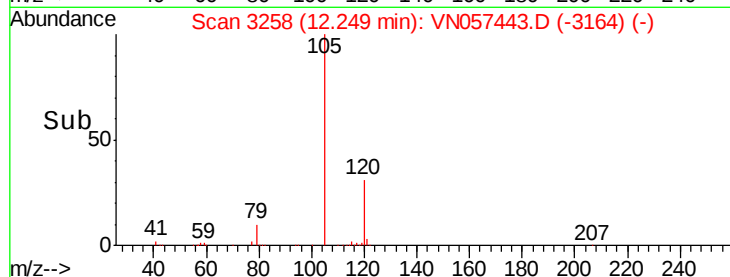
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 53.079 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Tgt Ion: 43 Resp: 547475

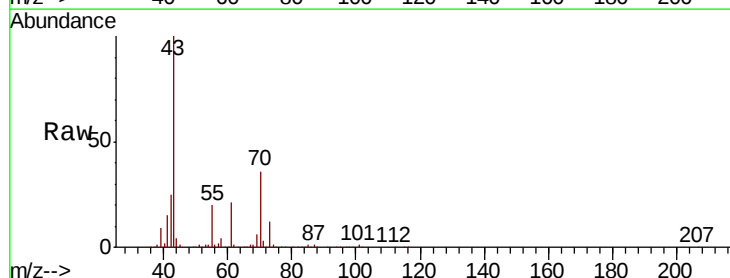
Ion Ratio Lower Upper

43 100

70 35.0 27.8 41.6

55 20.8 17.0 25.4

61 21.2 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

300000

200000

100000

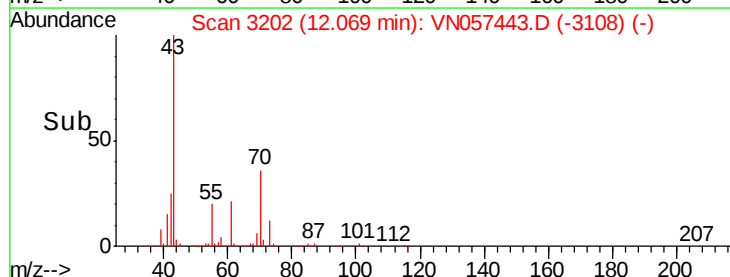
0

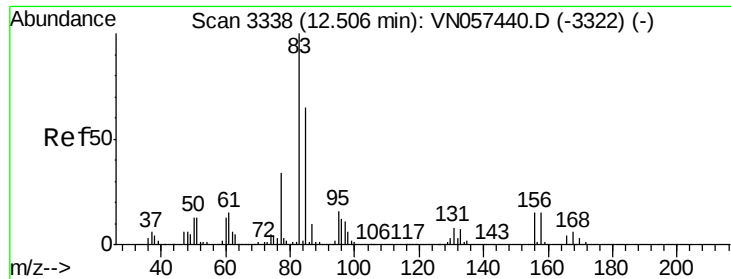
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.468 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampled :

ICVVN082219

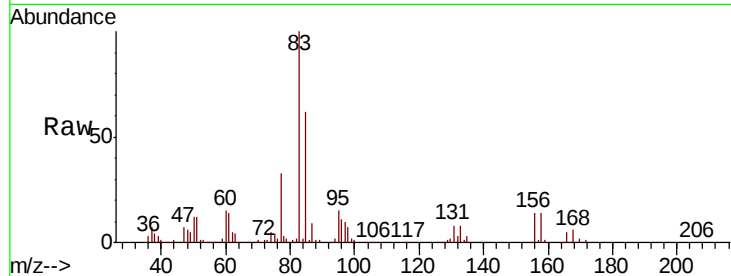
Tgt Ion: 83 Resp: 336906

Ion Ratio Lower Upper

83 100

131 9.0 4.3 13.1

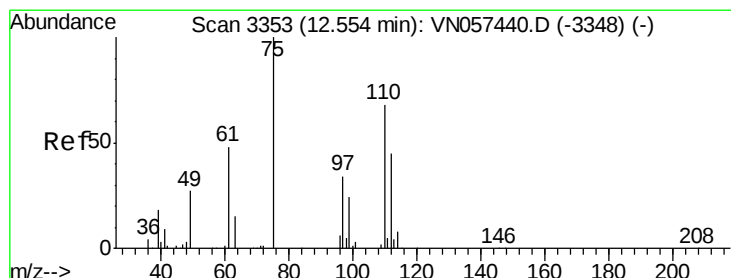
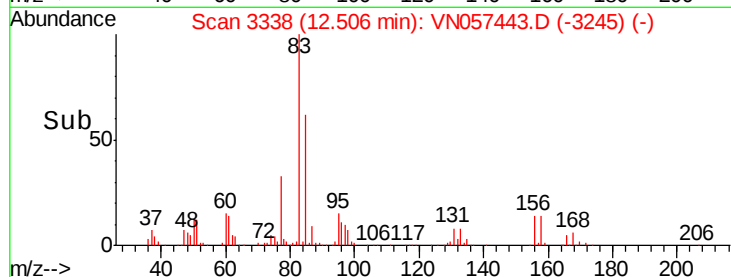
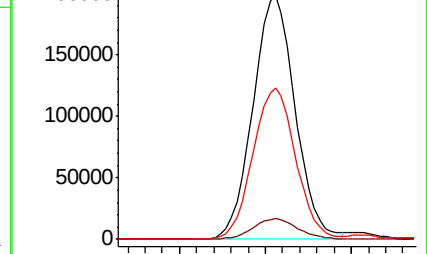
85 62.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 82.925 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057443.D

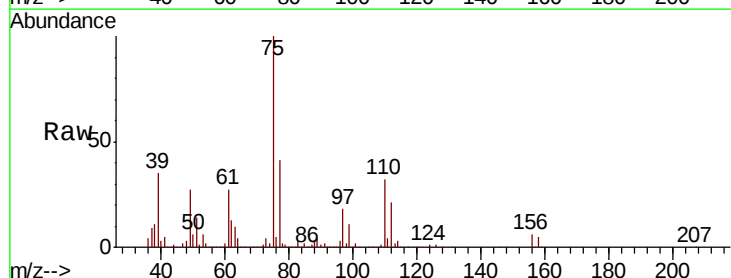
Acq: 22 Aug 2019 19:34

Tgt Ion: 75 Resp: 441410

Ion Ratio Lower Upper

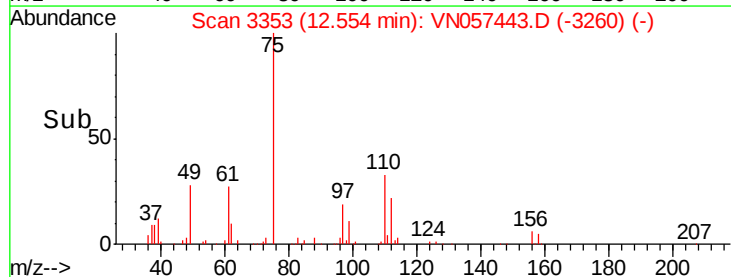
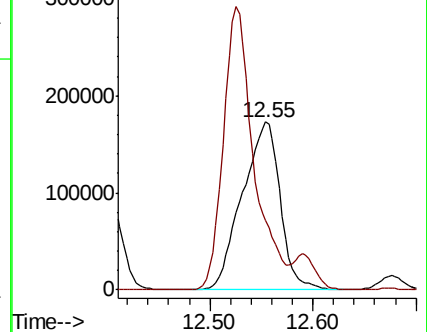
75 100

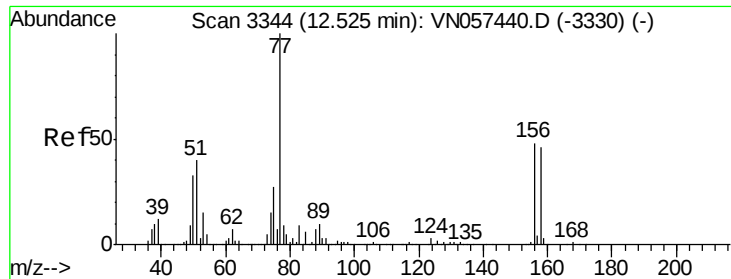
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

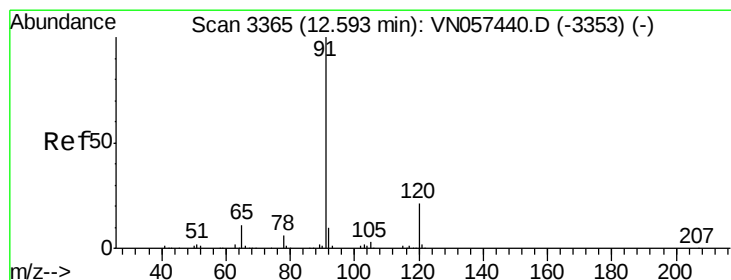
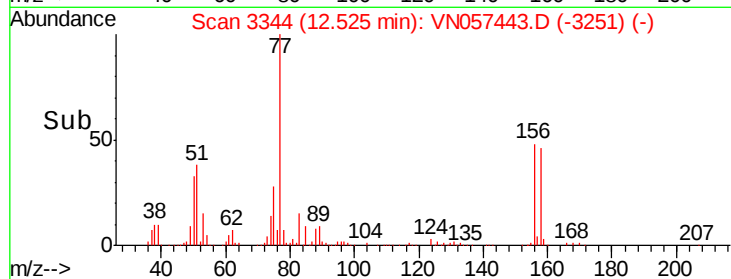
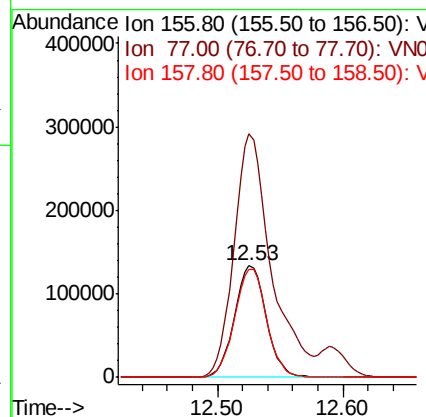
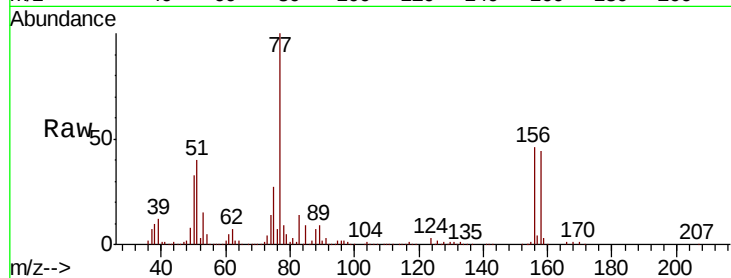




#77
Bromobenzene
Concen: 51.837 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

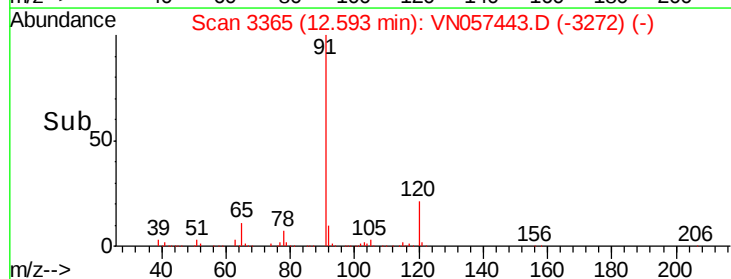
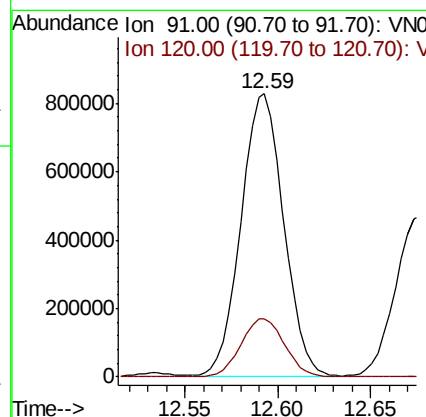
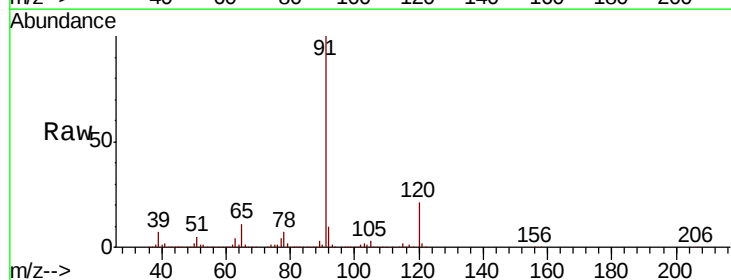
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

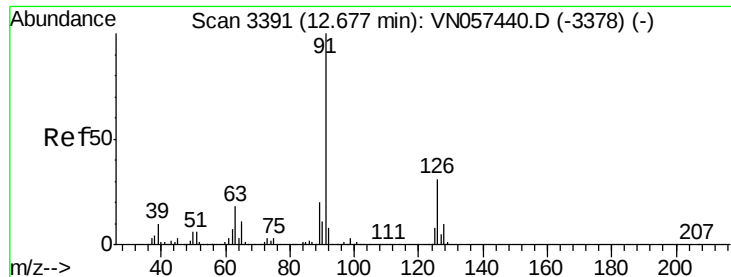
Tgt Ion:156 Resp: 235210
Ion Ratio Lower Upper
156 100
77 255.3 124.4 373.3
158 97.8 48.3 144.8



#78
n-propylbenzene
Concen: 52.186 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion: 91 Resp: 1312986
Ion Ratio Lower Upper
91 100
120 21.3 10.7 32.1





#79

2-Chlorotoluene

Concen: 52.333 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

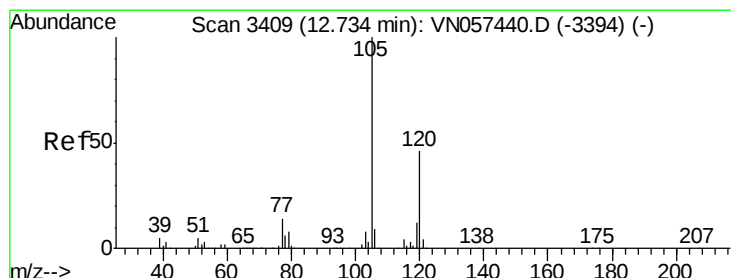
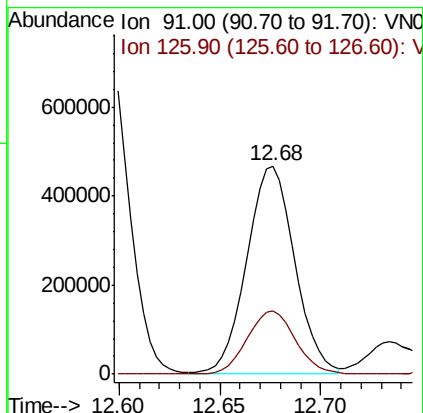
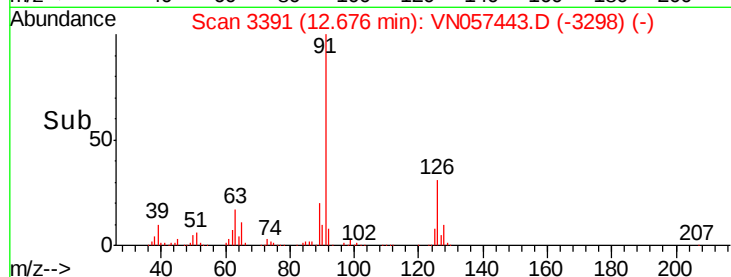
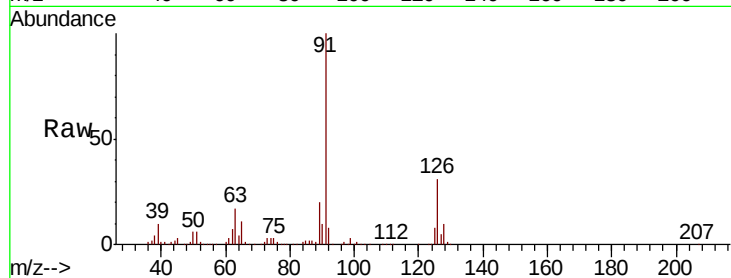
ICVFN082219

Tgt Ion: 91 Resp: 771654

Ion Ratio Lower Upper

91 100

126 31.1 15.3 45.8



#80

1,3,5-Trimethylbenzene

Concen: 53.049 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057443.D

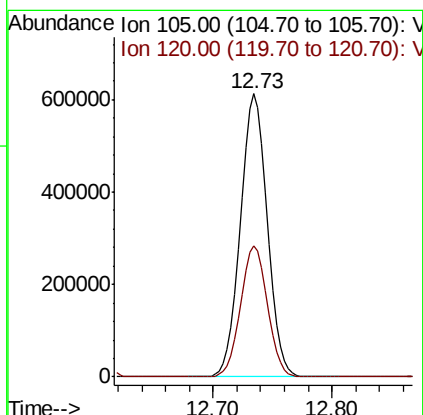
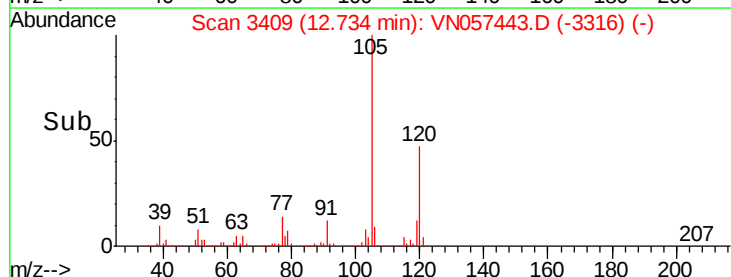
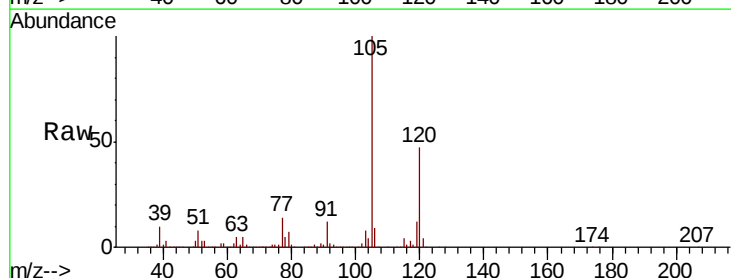
Acq: 22 Aug 2019 19:34

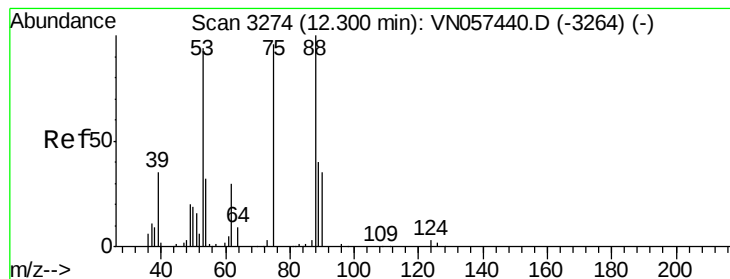
Tgt Ion: 105 Resp: 954916

Ion Ratio Lower Upper

105 100

120 46.2 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.433 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampled :

ICVVN082219

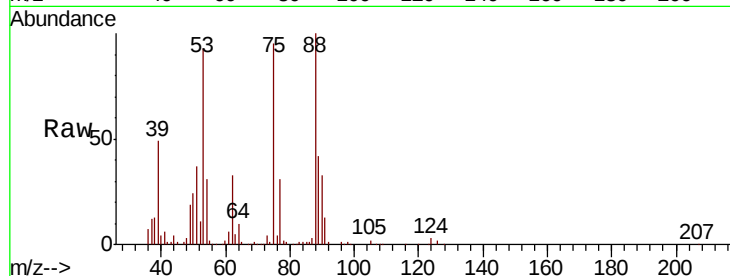
Tgt Ion: 75 Resp: 112634

Ion Ratio Lower Upper

75 100

53 99.5 82.7 124.1

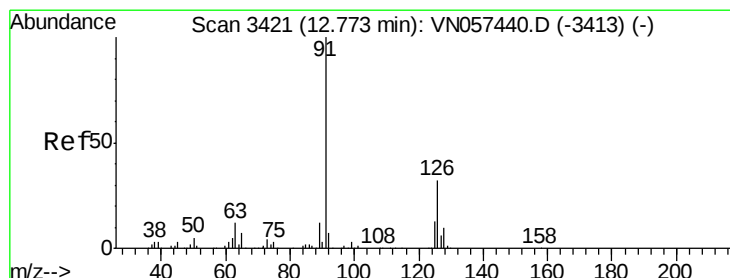
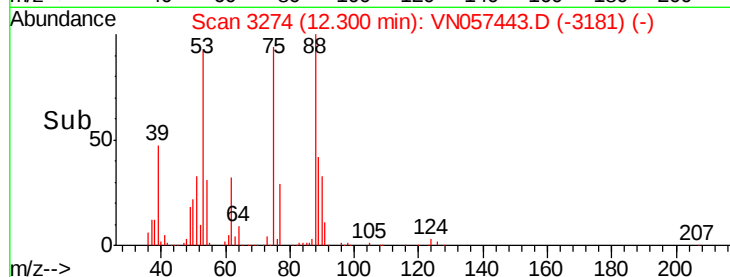
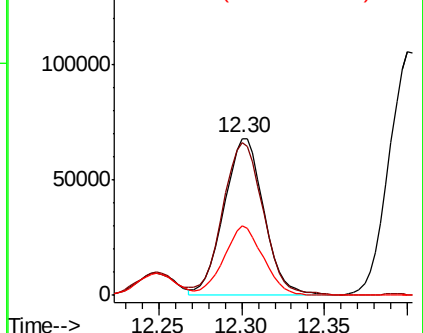
89 44.3 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 51.812 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057443.D

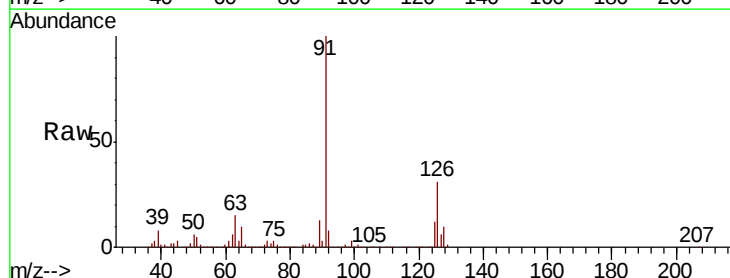
Acq: 22 Aug 2019 19:34

Tgt Ion: 91 Resp: 763890

Ion Ratio Lower Upper

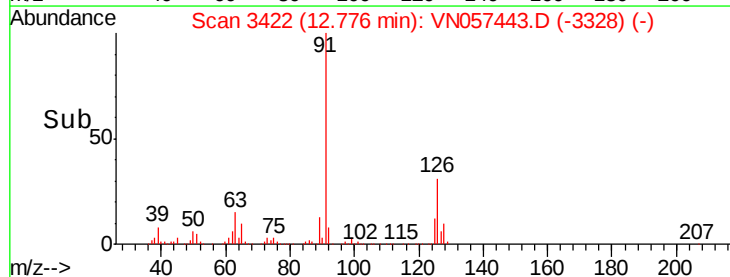
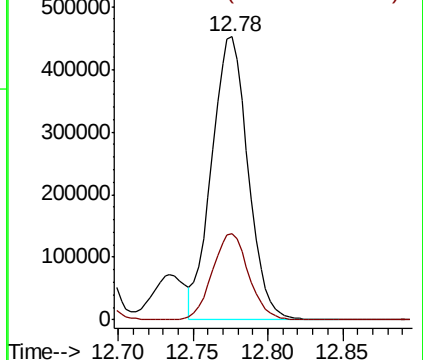
91 100

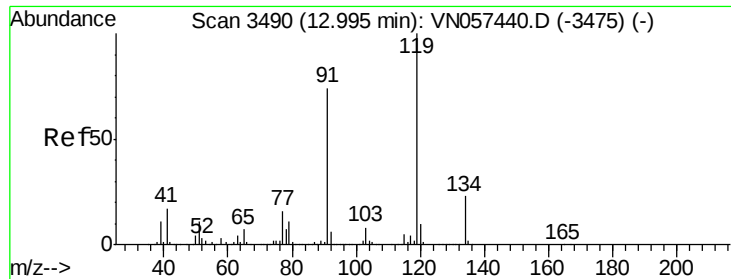
126 30.5 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

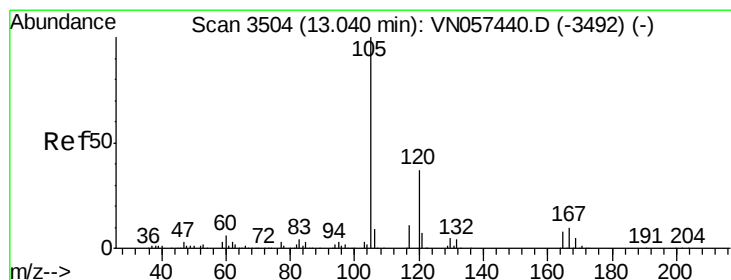
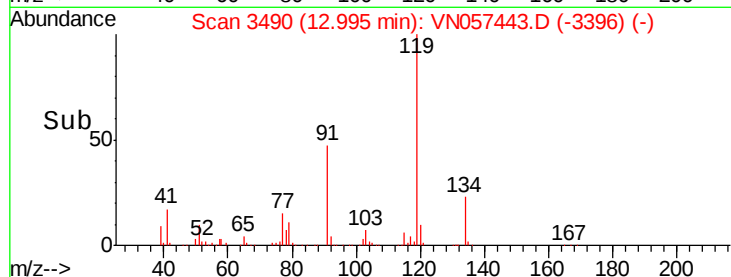
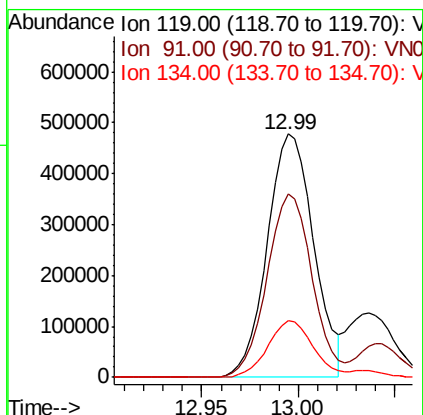
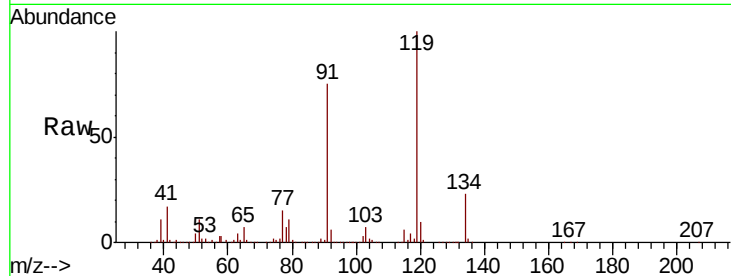




#83
 tert-Butylbenzene
 Concen: 53.221 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

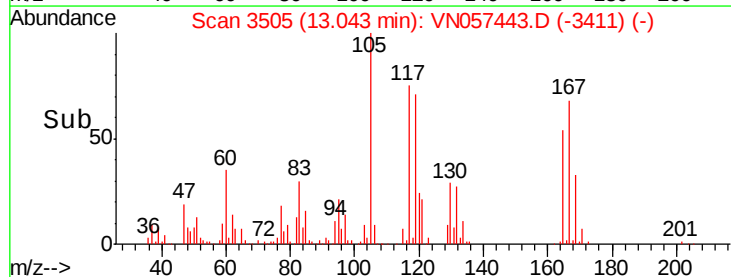
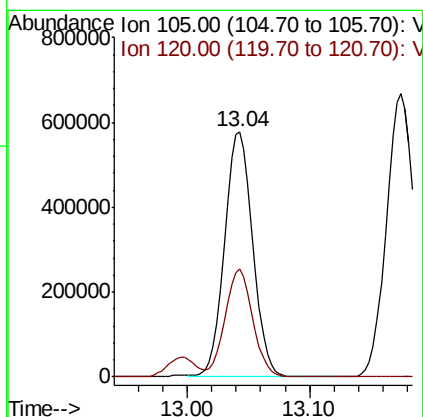
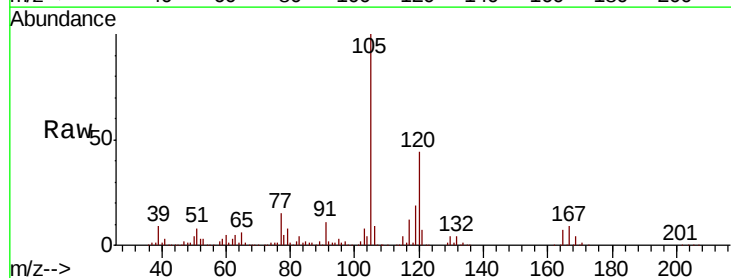
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

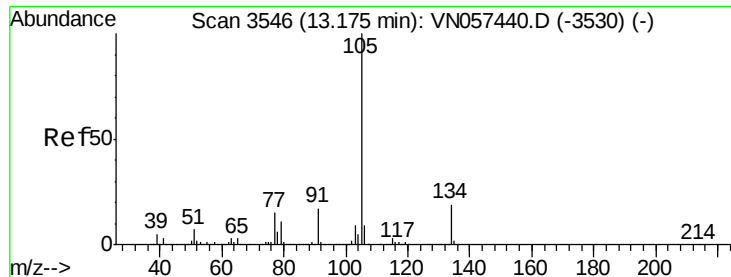
Tgt Ion:119 Resp: 800017
 Ion Ratio Lower Upper
 119 100
 91 73.0 37.0 111.0
 134 22.6 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 48.547 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion:105 Resp: 935400
 Ion Ratio Lower Upper
 105 100
 120 43.2 21.9 65.7

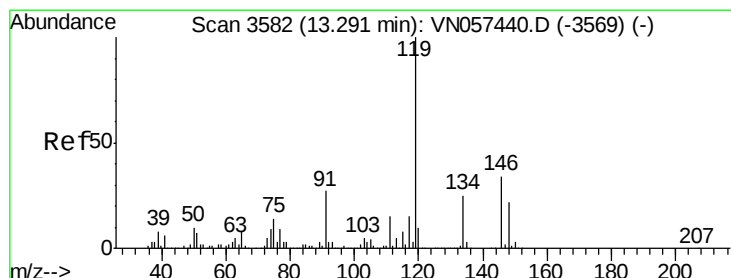
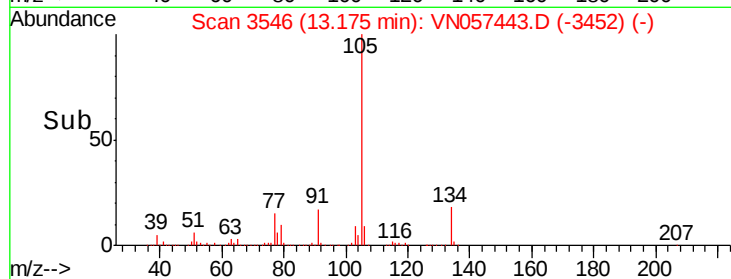
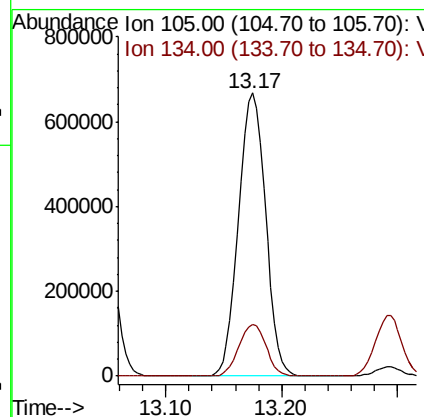
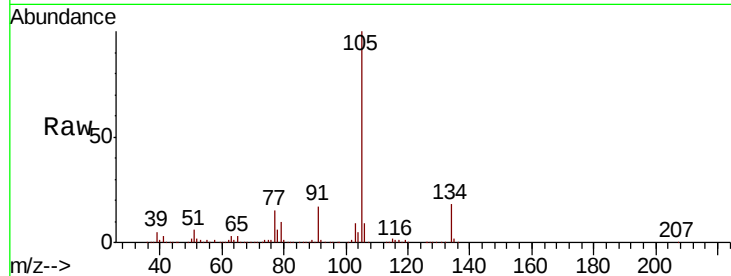




#85
 sec-Butylbenzene
 Concen: 52.801 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

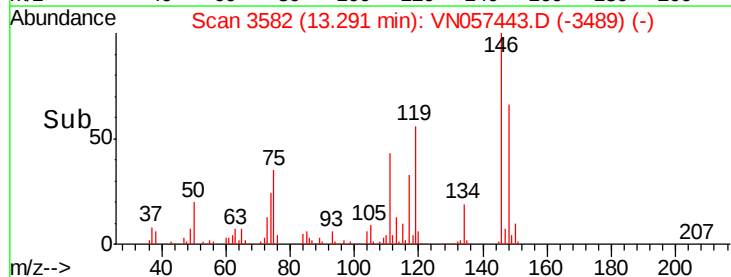
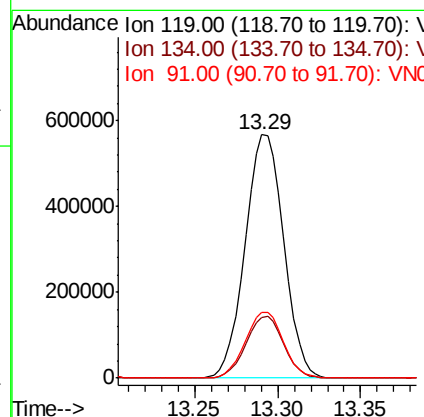
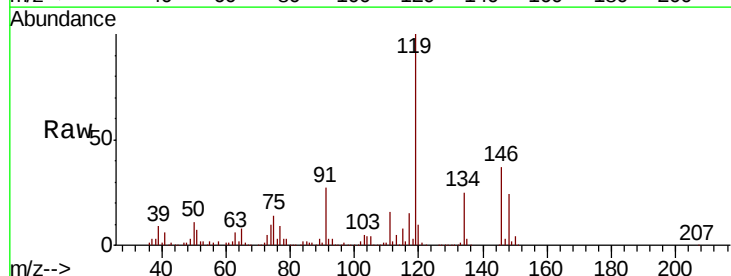
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

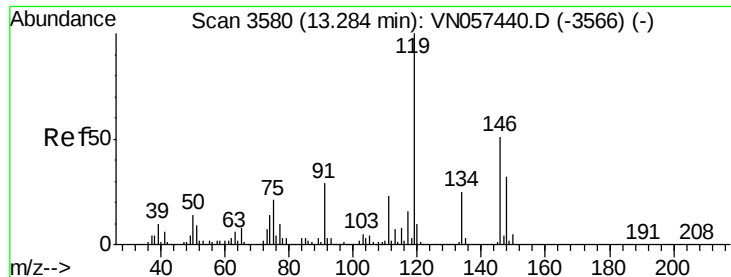
Tgt Ion:105 Resp: 1078338
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 47.182 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion:119 Resp: 914047
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.7 38.1
 91 26.8 13.9 41.6





#87

1,3-Dichlorobenzene

Concen: 48.879 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

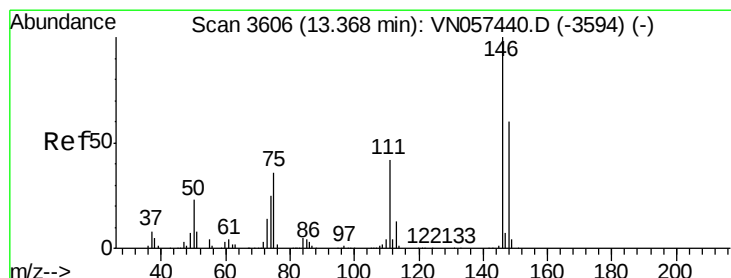
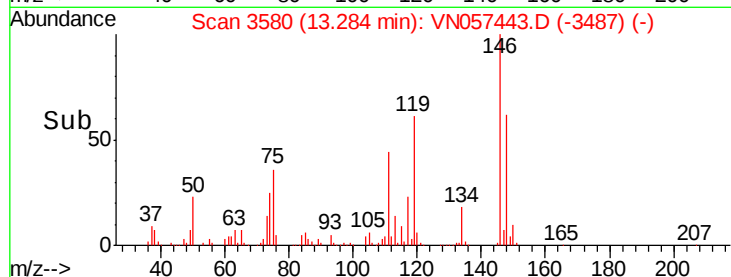
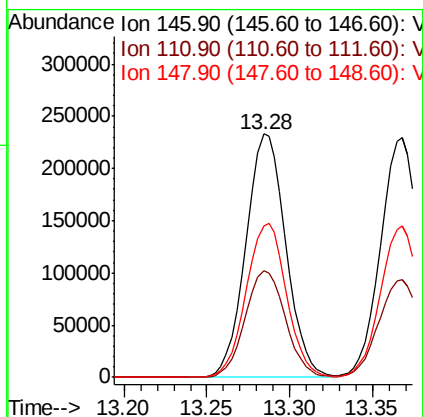
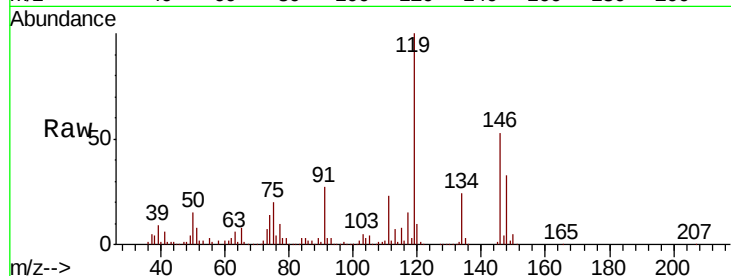
Instrument :

MSVOA_N

ClientSampleId :

ICVVN082219

Tgt Ion:	146	Resp:	391307
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.1
148	63.7	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 48.778 ug/l

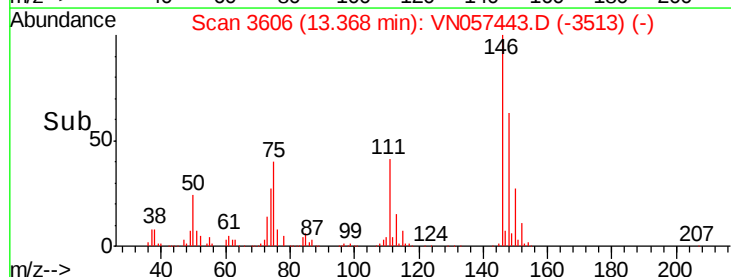
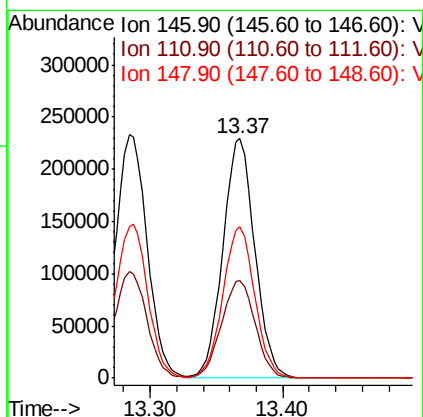
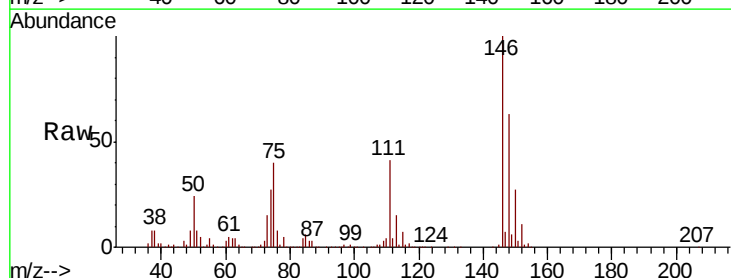
RT: 13.37 min Scan# 3606

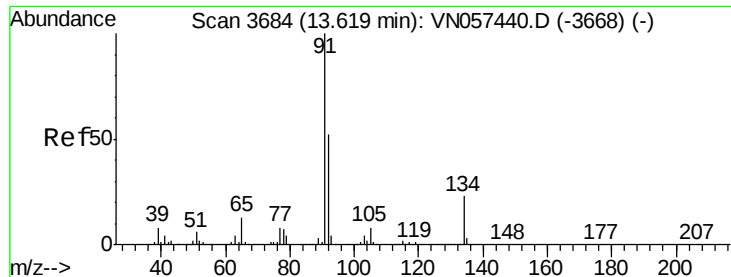
Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Tgt Ion:	146	Resp:	382416
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.9	65.5
148	63.4	31.1	93.2





#89

n-Butylbenzene

Concen: 49.473 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN057443.D

Acq: 22 Aug 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

ICV082219

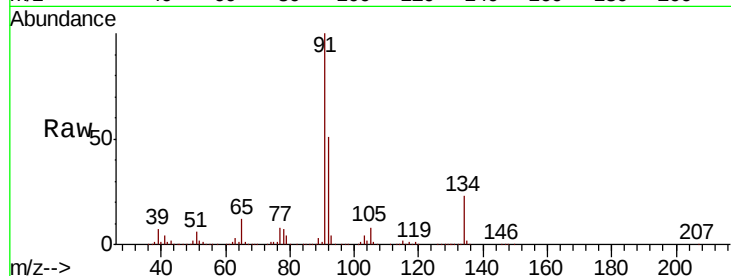
Tgt Ion: 91 Resp: 811060

Ion Ratio Lower Upper

91 100

92 51.6 25.7 77.0

134 22.9 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN057440.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057440.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057440.D (-3668) (-)

13.62

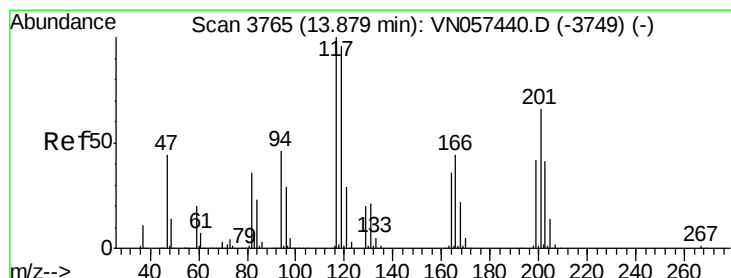
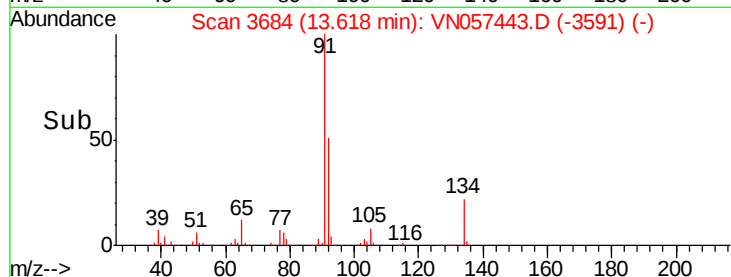
400000

200000

0

13.60 13.70

Time-->



#90

Hexachloroethane

Concen: 52.768 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN057443.D

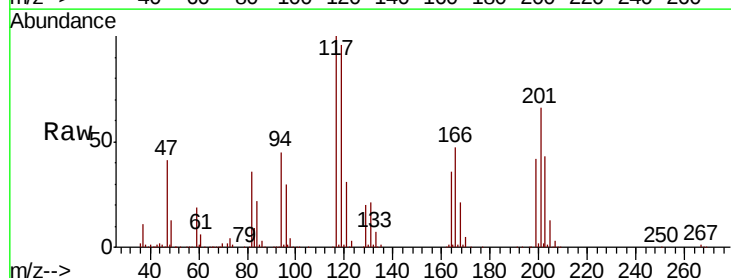
Acq: 22 Aug 2019 19:34

Tgt Ion: 117 Resp: 190525

Ion Ratio Lower Upper

117 100

201 64.7 33.1 99.3



Abundance Ion 116.80 (116.50 to 117.50): VN057440.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN057440.D (-3749) (-)

13.88

120000

100000

80000

60000

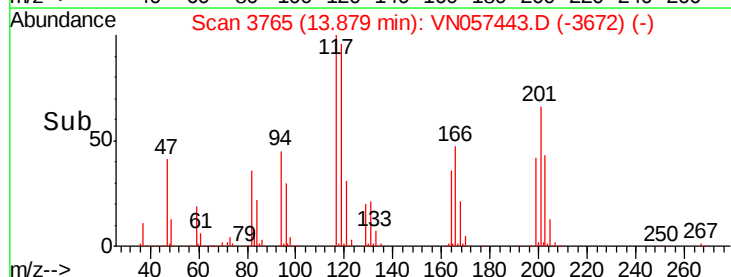
40000

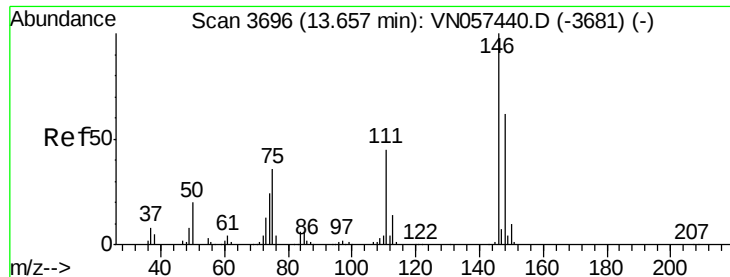
20000

0

13.80 13.85 13.90 13.95

Time-->

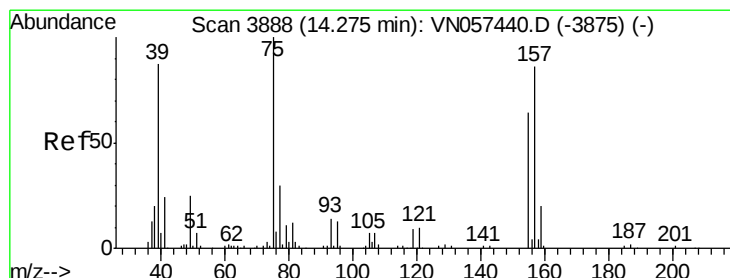
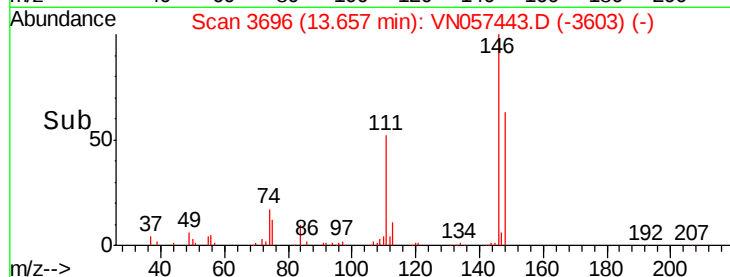
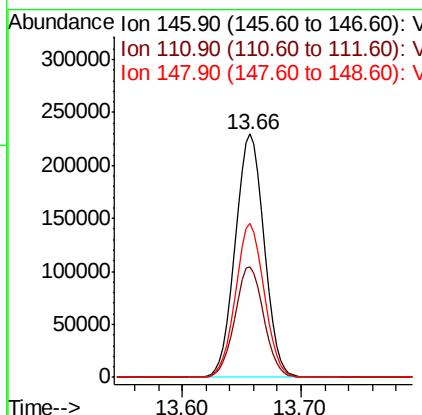
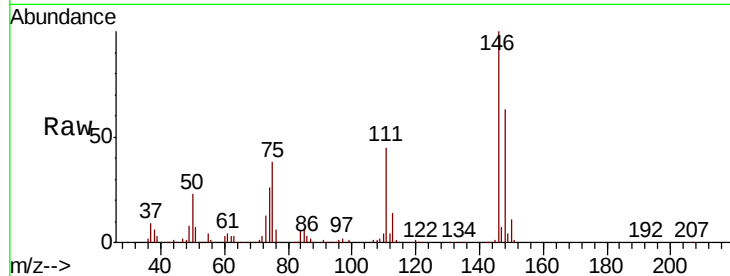




#91
 1,2-Dichlorobenzene
 Concen: 50.513 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

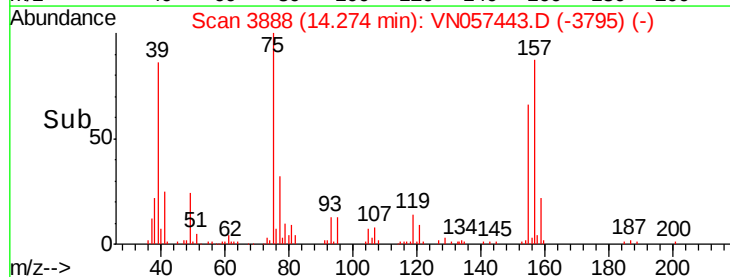
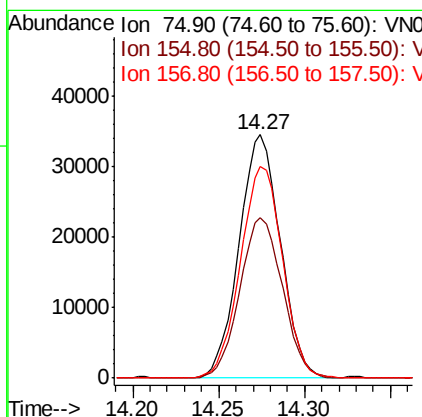
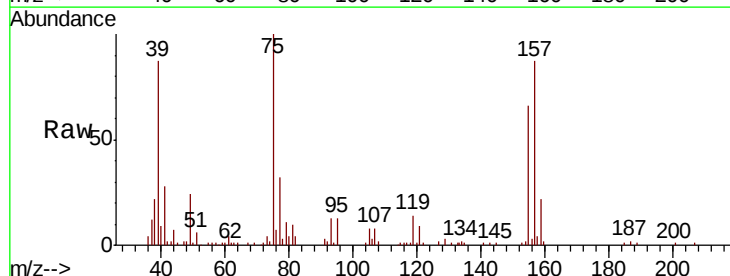
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

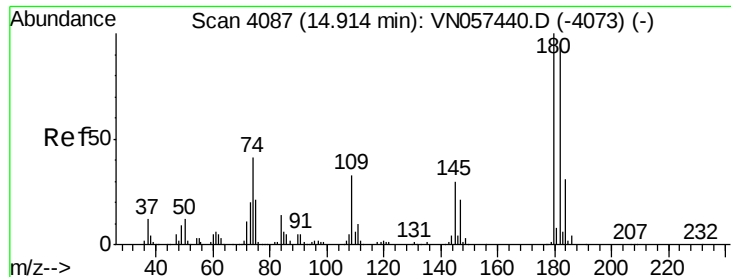
Tgt Ion: 146 Resp: 386029
 Ion Ratio Lower Upper
 146 100
 111 45.4 23.1 69.2
 148 62.8 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.666 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion: 75 Resp: 57664
 Ion Ratio Lower Upper
 75 100
 155 67.9 31.6 94.7
 157 88.6 43.3 129.8

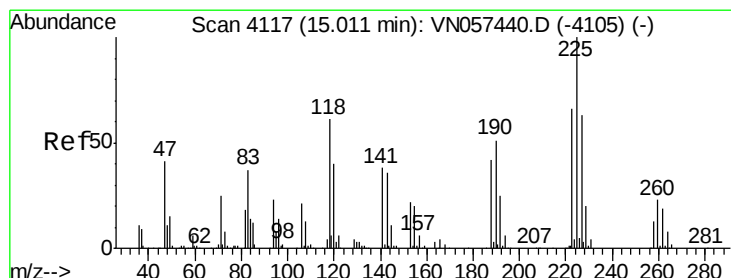
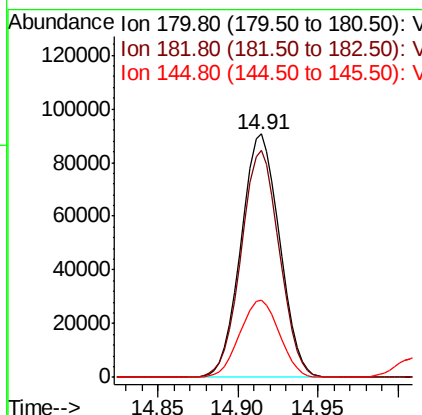
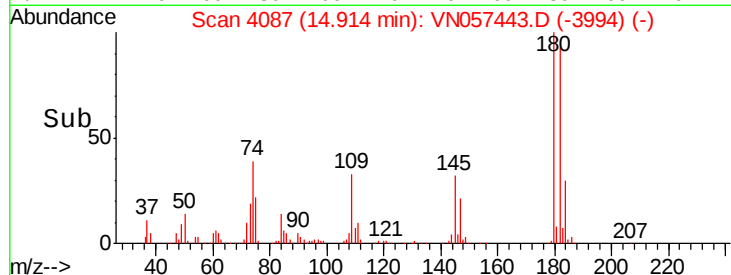
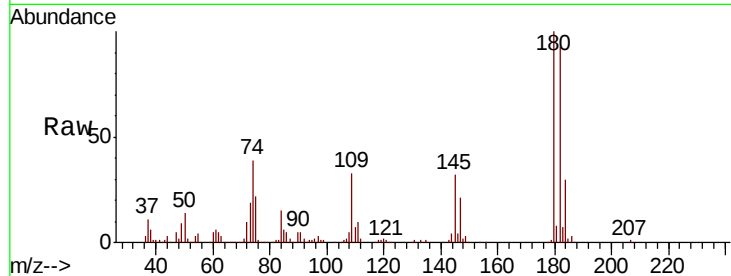




#93
 1,2,4-Trichlorobenzene
 Concen: 48.364 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

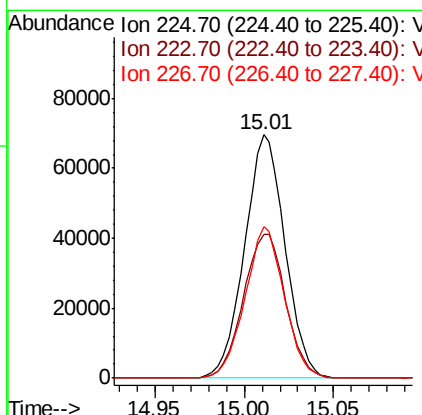
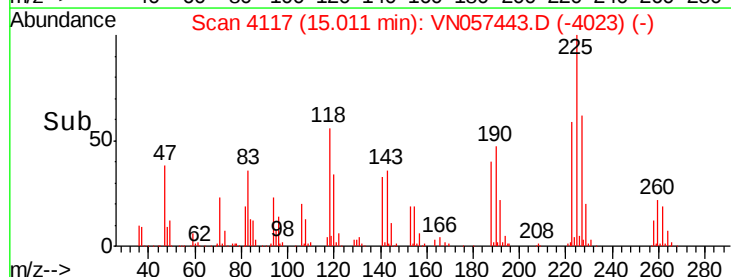
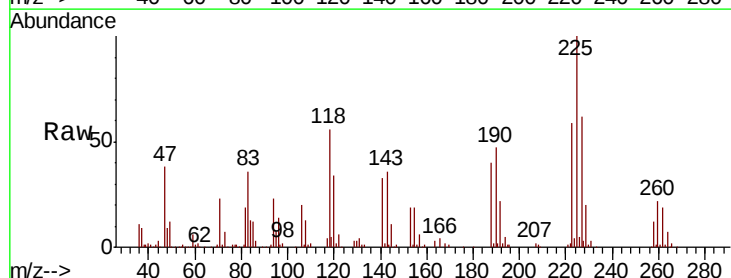
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082219

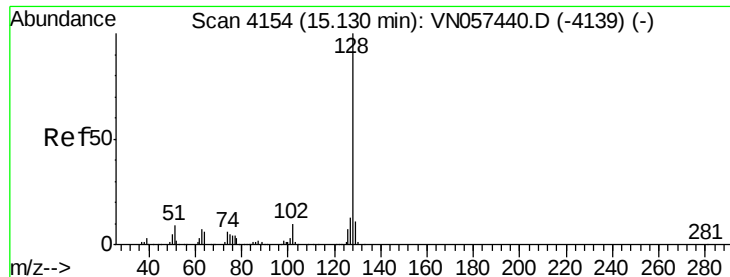
Tgt Ion:180 Resp: 148940
 Ion Ratio Lower Upper
 180 100
 182 92.7 46.7 140.1
 145 32.4 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 57.091 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057443.D
 Acq: 22 Aug 2019 19:34

Tgt Ion:225 Resp: 110253
 Ion Ratio Lower Upper
 225 100
 223 61.9 32.0 96.2
 227 60.3 31.5 94.5

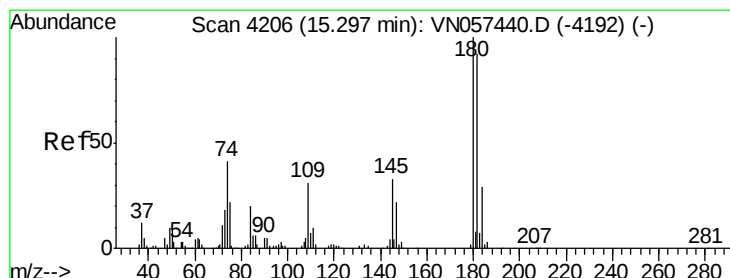
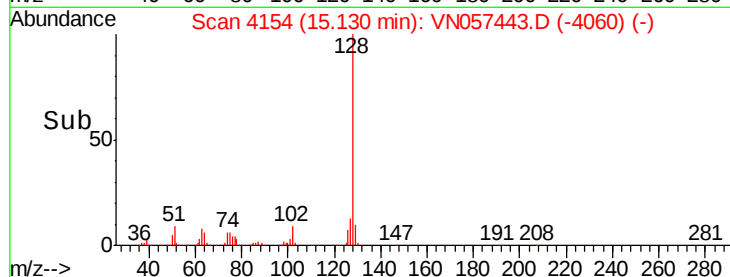
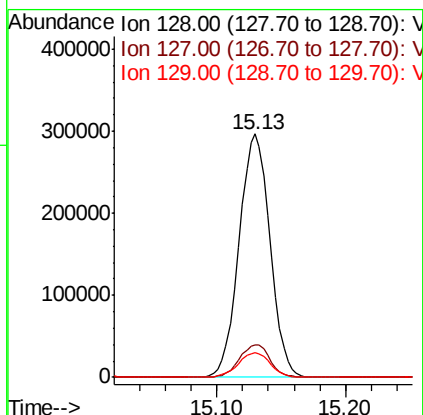
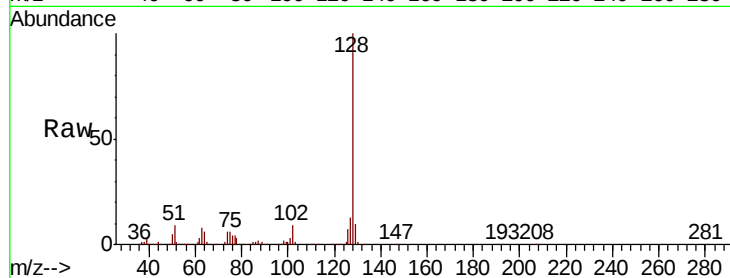




#95
Naphthalene
Concen: 50.076 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082219

Tgt Ion:128 Resp: 493810
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.501 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057443.D
Acq: 22 Aug 2019 19:34

Tgt Ion:180 Resp: 152765
Ion Ratio Lower Upper
180 100
182 97.6 46.7 140.1
145 33.4 16.8 50.3

