

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057445.D
 Acq On : 22 Aug 2019 20:50
 Operator : JC/SP
 Sample : VN0822WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Quant Time: Aug 23 05:13:01 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	378770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	704616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	606341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	192174	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	351716	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
35) Dibromofluoromethane	7.58	113	238134	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	10.08	98	921652	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.40	95	289515	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	95578	21.383	ug/l	97
3) Chloromethane	2.05	50	130487	20.440	ug/l	98
4) Vinyl Chloride	2.17	62	162312	20.889	ug/l	99
5) Bromomethane	2.55	94	105172	21.963	ug/l	93
6) Chloroethane	2.69	64	100005	20.008	ug/l	95
7) Trichlorofluoromethane	3.00	101	242643	20.118	ug/l	99
8) Diethyl Ether	3.39	74	87400	20.689	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	131678	21.312	ug/l	99
10) Methyl Iodide	3.92	142	92541	18.790	ug/l	98
11) Tert butyl alcohol	4.79	59	86485	104.468	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	125429	19.455	ug/l	95
13) Acrolein	3.58	56	81612	112.112	ug/l	99
14) Allyl chloride	4.29	41	172449	20.217	ug/l	99
15) Acrylonitrile	4.97	53	230734	103.349	ug/l	97
16) Acetone	3.80	43	211551	69.136	ug/l	100
17) Carbon Disulfide	4.02	76	237881	19.343	ug/l	98
18) Methyl Acetate	4.30	43	145123	21.432	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	298288	19.166	ug/l	97
20) Methylene Chloride	4.53	84	92032	20.241	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	88280	19.404	ug/l	95
22) Diisopropyl ether	5.94	45	363245	19.858	ug/l	98
23) Vinyl Acetate	5.87	43	1389176	97.231	ug/l	99
24) 1,1-Dichloroethane	5.82	63	189682	19.566	ug/l	100
25) 2-Butanone	6.82	43	320554	96.474	ug/l	99
26) 2,2-Dichloropropane	6.80	77	144245	17.182	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	103612	19.212	ug/l	99
28) Bromochloromethane	7.18	49	117363	22.481	ug/l	100
29) Tetrahydrofuran	7.20	42	218334	99.652	ug/l	99
30) Chloroform	7.36	83	182900	20.378	ug/l	100
31) Cyclohexane	7.63	56	190205	20.322	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	160482	19.298	ug/l	98
36) 1,1-Dichloropropene	7.78	75	135815	18.864	ug/l	99
37) Ethyl Acetate	6.92	43	137564	19.336	ug/l	99
38) Carbon Tetrachloride	7.76	117	133492	18.664	ug/l	98

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Instrument :
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 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)
39) Methylcyclohexane	9.07	83	170144	19.898	ug/l	100
40) Benzene	8.03	78	407187	18.843	ug/l	99
41) Methacrylonitrile	7.16	41	59555	17.555	ug/l	97
42) 1,2-Dichloroethane	8.11	62	157713	18.955	ug/l	99
43) Isopropyl Acetate	8.16	43	246667	18.909	ug/l	99
44) Trichloroethene	8.83	130	93208	19.323	ug/l	94
45) 1,2-Dichloropropane	9.11	63	116733	19.181	ug/l	96
46) Dibromomethane	9.20	93	72462	20.090	ug/l	97
47) Bromodichloromethane	9.40	83	148559	18.503	ug/l	97
48) Methyl methacrylate	9.19	41	118810	19.153	ug/l	98
49) 1,4-Dioxane	9.20	88	30842	384.488	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	700219	96.314	ug/l	99
52) Toluene	10.15	92	238576	19.155	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	151021	17.957	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	170828	18.243	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	94351	18.733	ug/l	98
56) Ethyl methacrylate	10.43	69	150760	19.028	ug/l	99
57) 1,3-Dichloropropane	10.70	76	171004	19.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	178638	92.493	ug/l	100
59) 2-Hexanone	10.75	43	475581	95.374	ug/l	99
60) Dibromochloromethane	10.90	129	99912	18.771	ug/l	99
61) 1,2-Dibromoethane	11.00	107	94386	19.106	ug/l	98
64) Tetrachloroethene	10.63	164	85703	20.203	ug/l	98
65) Chlorobenzene	11.43	112	234179	19.106	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91407	19.445	ug/l	97
67) Ethyl Benzene	11.51	91	450592	18.993	ug/l	100
68) m/p-Xylenes	11.62	106	315106	39.055	ug/l	99
69) o-Xylene	11.95	106	156908	19.632	ug/l	99
70) Styrene	11.96	104	243069	19.206	ug/l	98
71) Bromoform	12.12	173	59441	18.706	ug/l #	98
73) Isopropylbenzene	12.25	105	414721	22.116	ug/l	99
74) N-amyl acetate	12.07	43	195197	22.444	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	120401	22.393	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	157196	35.902	ug/l #	100
77) Bromobenzene	12.53	156	85396	22.549	ug/l	97
78) n-propylbenzene	12.59	91	445370	21.370	ug/l	100
79) 2-Chlorotoluene	12.67	91	272149	21.947	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	333271	21.855	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	37806	20.005	ug/l	100
82) 4-Chlorotoluene	12.77	91	255505	21.226	ug/l	99
83) tert-Butylbenzene	12.99	119	284152	21.964	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	315164	21.095	ug/l	98
85) sec-Butylbenzene	13.17	105	364354	21.435	ug/l	99
86) p-Isopropyltoluene	13.29	119	306942	20.434	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	122915	19.801	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	118054	19.420	ug/l	97
89) n-Butylbenzene	13.62	91	258327	20.322	ug/l	99
90) Hexachloroethane	13.88	117	67075	21.867	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	122472	20.668	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19142	20.550	ug/l	96

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Instrument :
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VN0822WBS01

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Quant Title : SW846 8260
QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

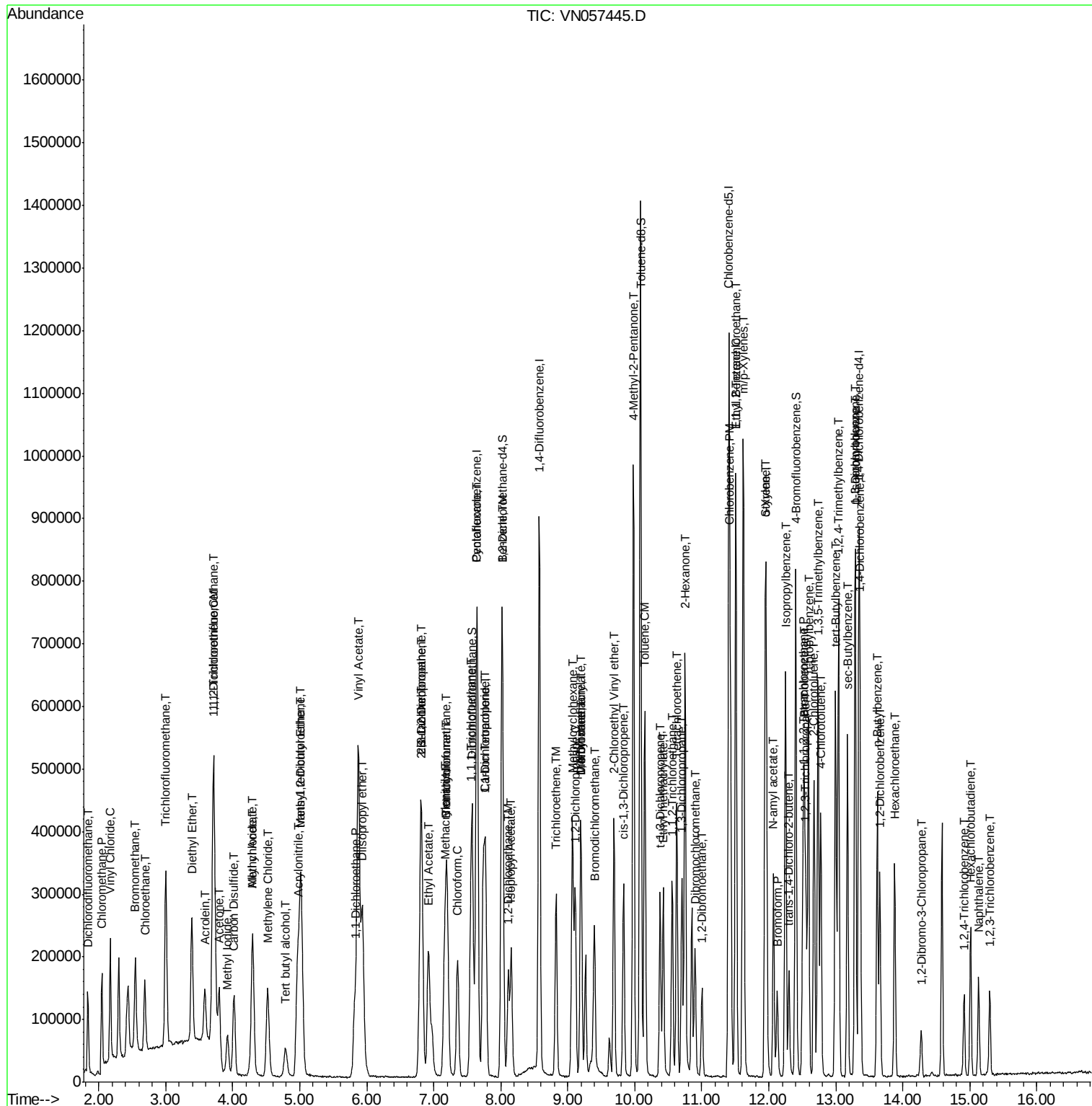
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	33121	17.702	ug/l	99
94) Hexachlorobutadiene	15.01	225	36493	22.393	ug/l	99
95) Naphthalene	15.13	128	115173	18.097	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	35110	18.272	ug/l	99

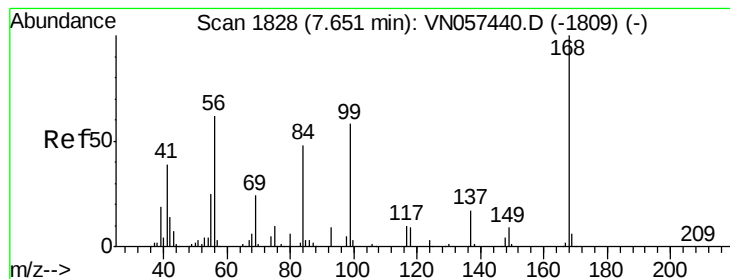
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
Data File : VN057445.D
Acq On : 22 Aug 2019 20:50
Operator : JC/SP
Sample : VN0822WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sampled :
VN0822WBS01

Quant Time: Aug 23 05:13:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

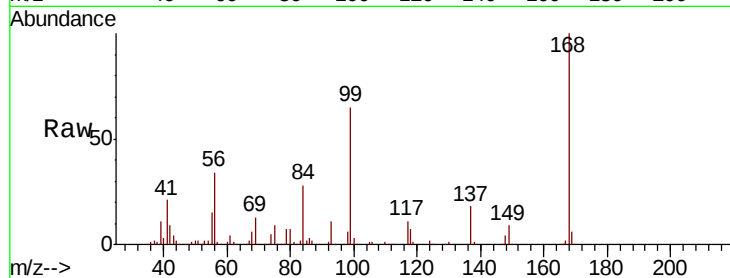
VN0822WBS01

Tgt Ion:168 Resp: 378770

Ion Ratio Lower Upper

168 100

99 64.9 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): VN057440.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057440.D (-1809) (-)

7.65

150000

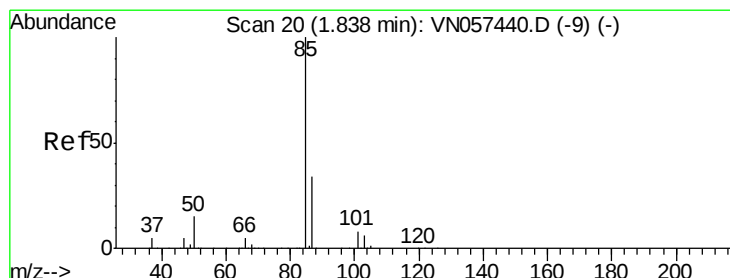
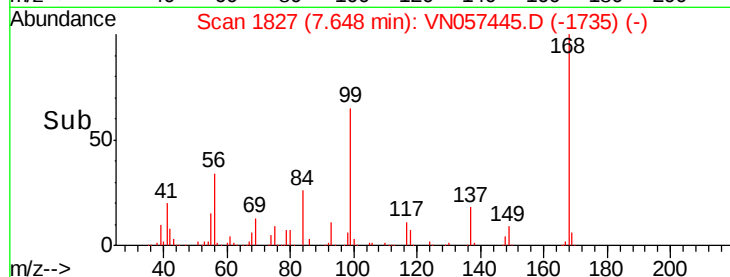
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 21.383 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057445.D

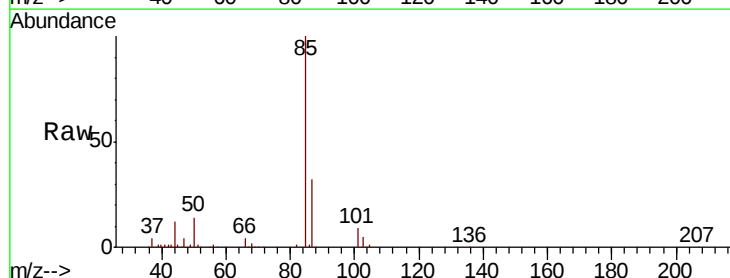
Acq: 22 Aug 2019 20:50

Tgt Ion: 85 Resp: 95578

Ion Ratio Lower Upper

85 100

87 32.3 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN057440.D (-9) (-)

Ion 86.90 (86.60 to 87.60): VN057440.D (-9) (-)

1.84

80000

60000

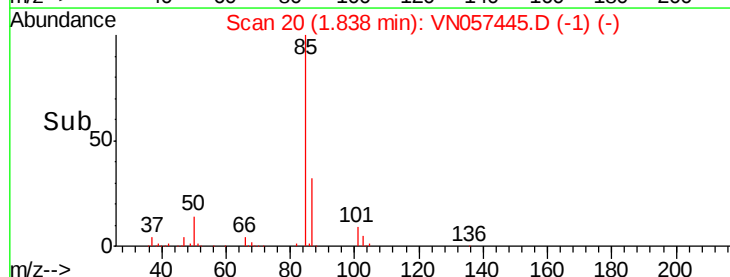
40000

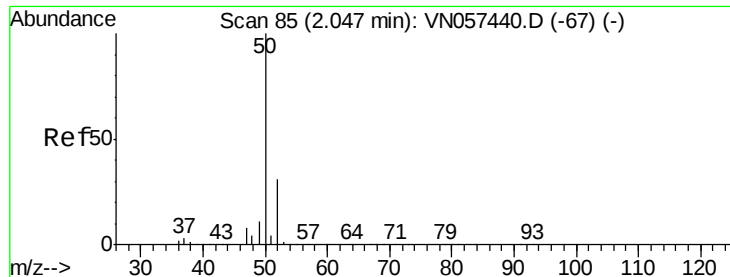
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.440 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampled :

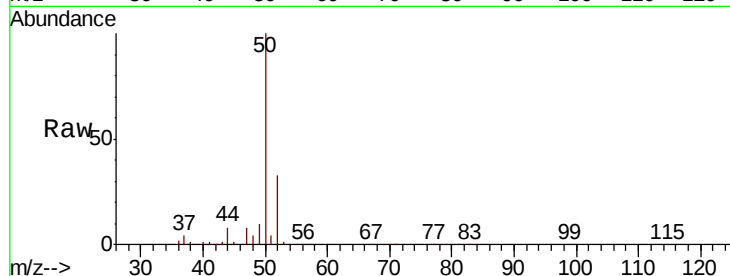
VN0822WBS01

Tgt Ion: 50 Resp: 130487

Ion Ratio Lower Upper

50 100

52 32.6 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.05

100000

80000

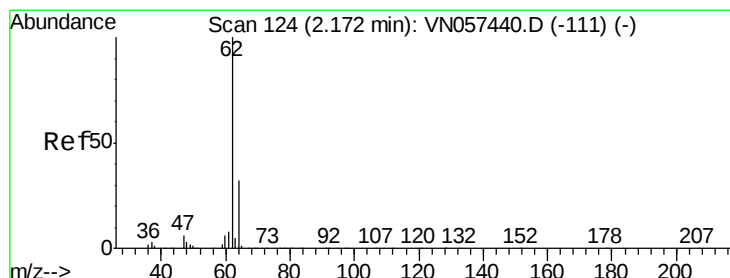
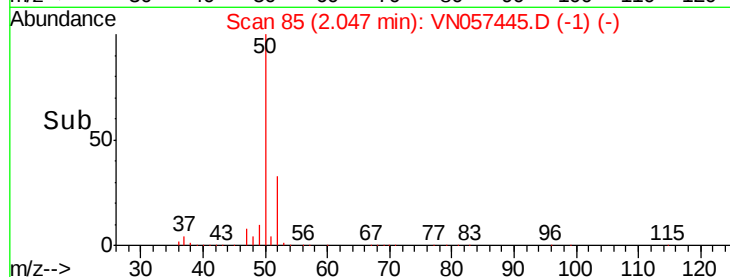
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.889 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057445.D

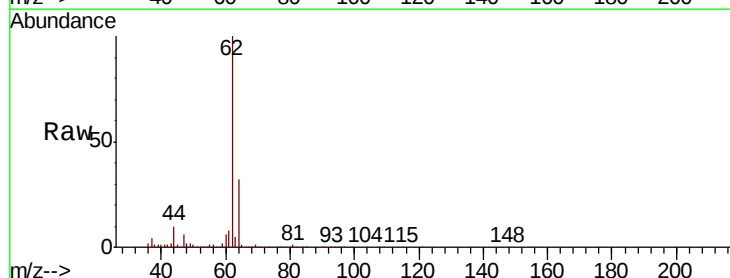
Acq: 22 Aug 2019 20:50

Tgt Ion: 62 Resp: 162312

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

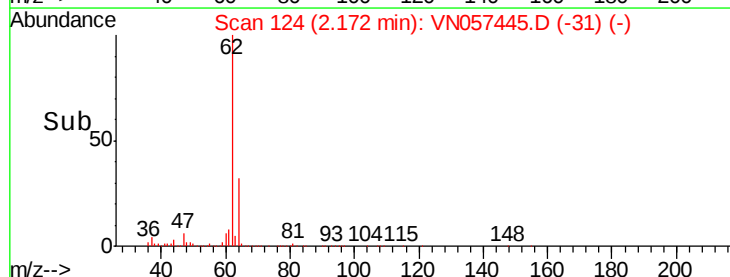
2.17

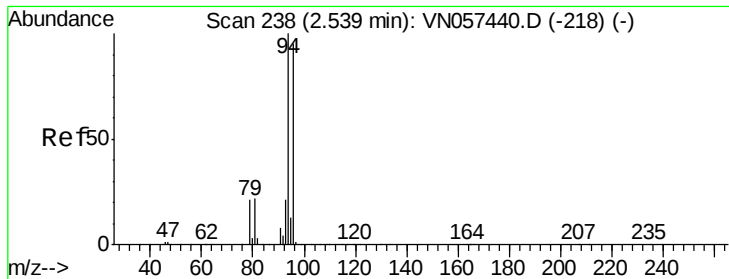
100000

50000

0

Time-->





#5

Bromomethane

Concen: 21.963 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

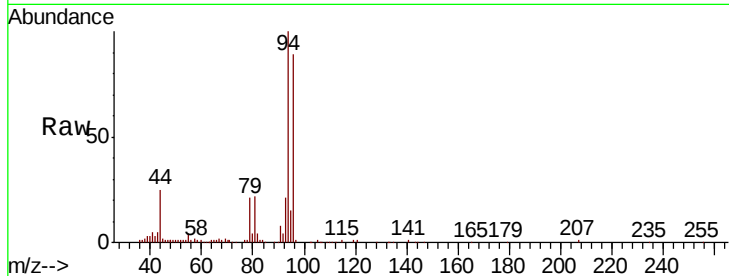
VN0822WBS01

Tgt Ion: 94 Resp: 105172

Ion Ratio Lower Upper

94 100

96 88.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

50000

40000

30000

20000

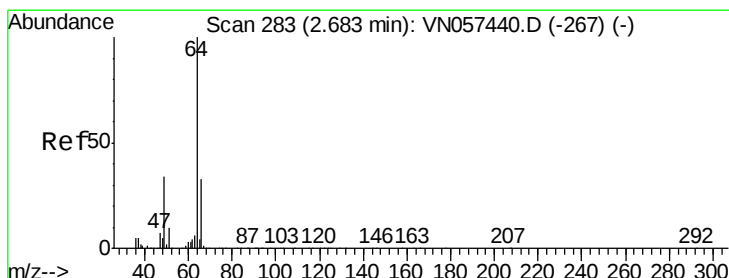
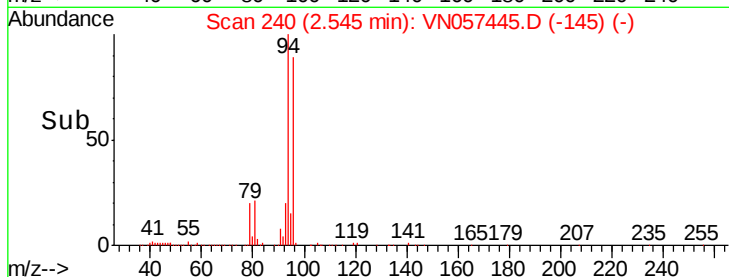
10000

0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 20.008 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057445.D

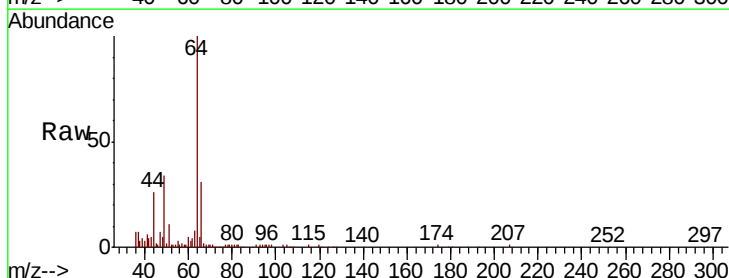
Acq: 22 Aug 2019 20:50

Tgt Ion: 64 Resp: 100005

Ion Ratio Lower Upper

64 100

66 30.4 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

50000

40000

30000

20000

10000

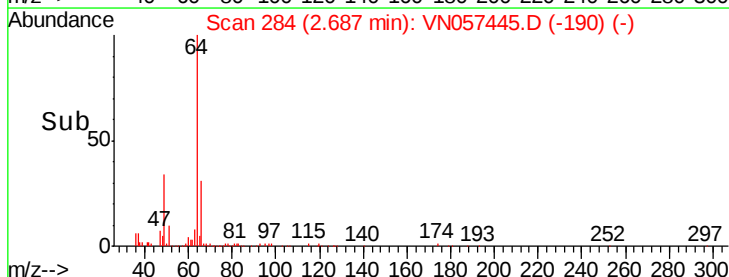
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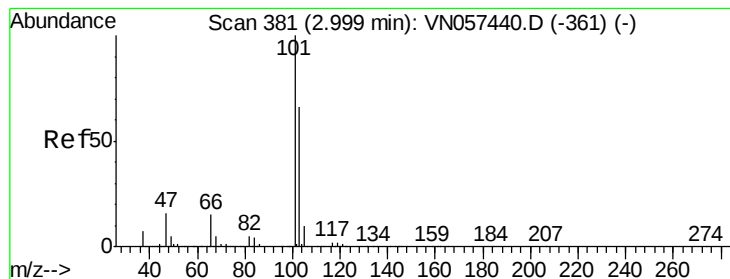
Time-->

2.60

2.70

2.80



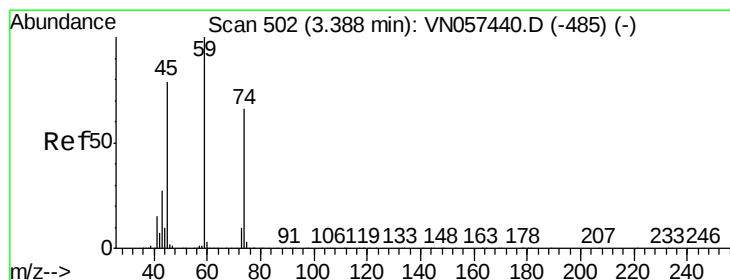
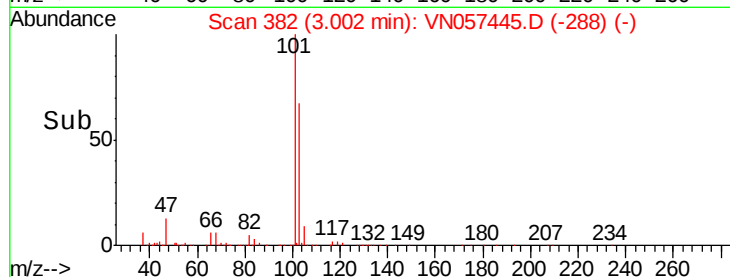
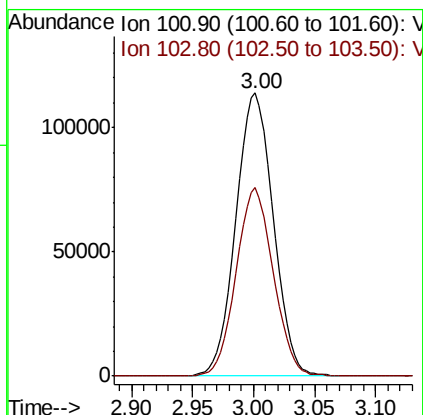
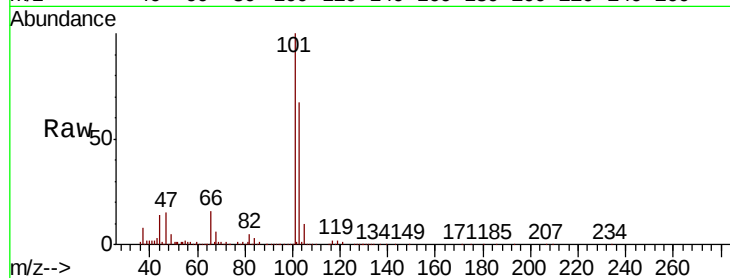


#7

Trichlorofluoromethane
Concen: 20.118 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

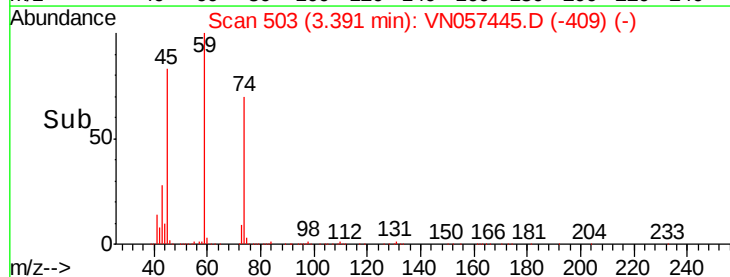
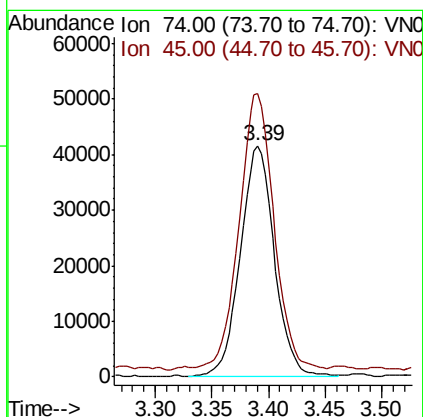
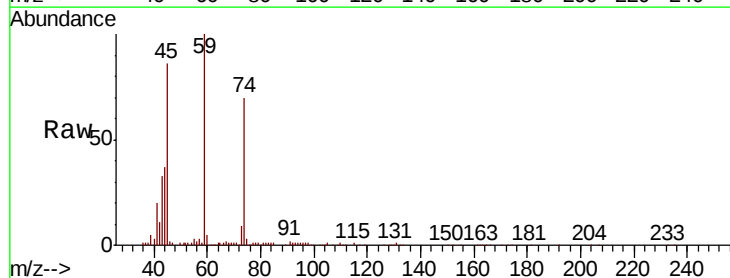
Tgt Ion:101 Resp: 242643
Ion Ratio Lower Upper
101 100
103 66.6 52.6 78.8

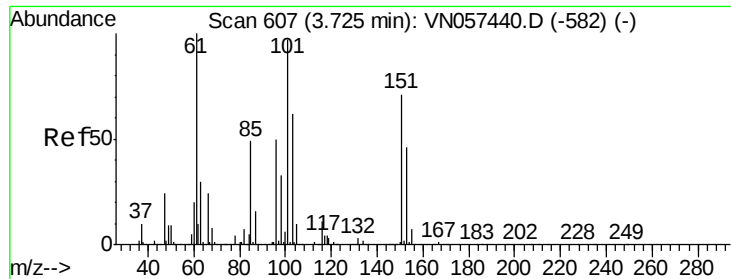


#8

Diethyl Ether
Concen: 20.689 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 74 Resp: 87400
Ion Ratio Lower Upper
74 100
45 119.5 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.312 ug/l

RT: 3.73 min Scan# 607

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

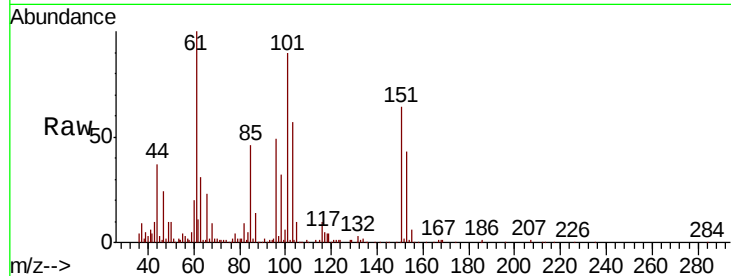
Tgt Ion:101 Resp: 131678

Ion Ratio Lower Upper

101 100

85 51.2 40.0 60.0

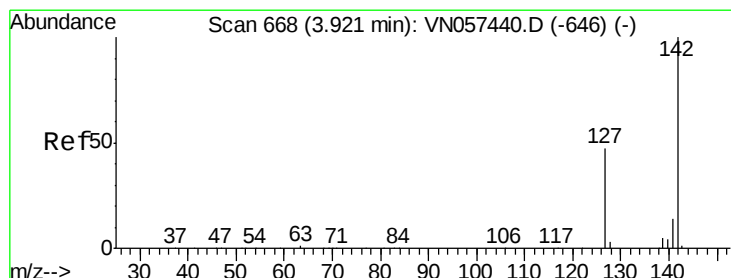
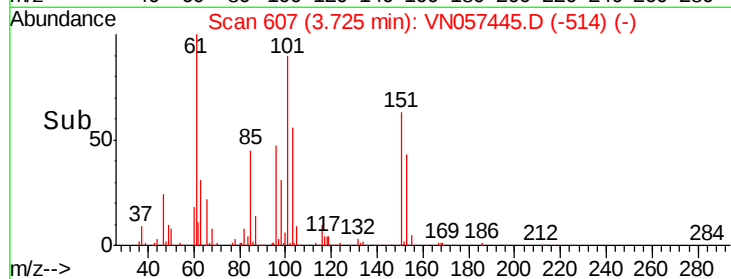
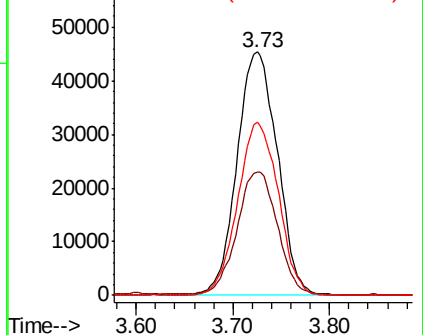
151 71.4 57.0 85.6



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: 18.790 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

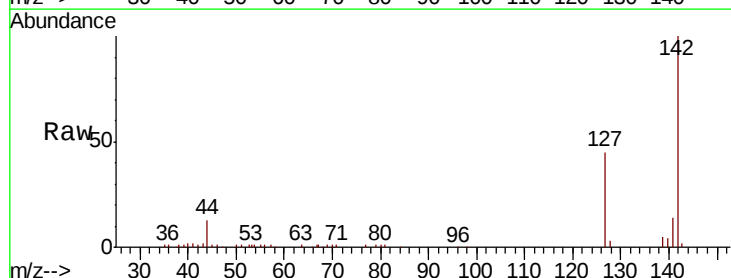
Tgt Ion:142 Resp: 92541

Ion Ratio Lower Upper

142 100

127 48.9 37.8 56.8

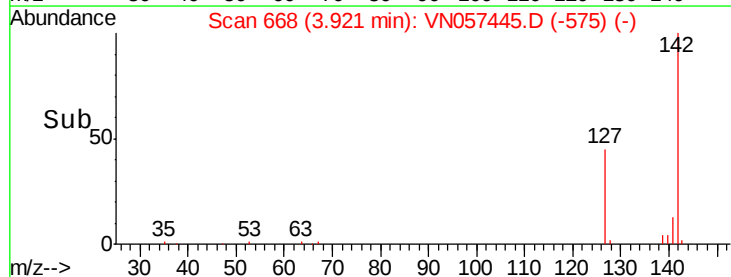
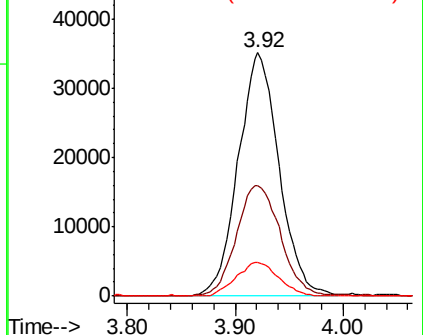
141 14.3 11.9 17.9

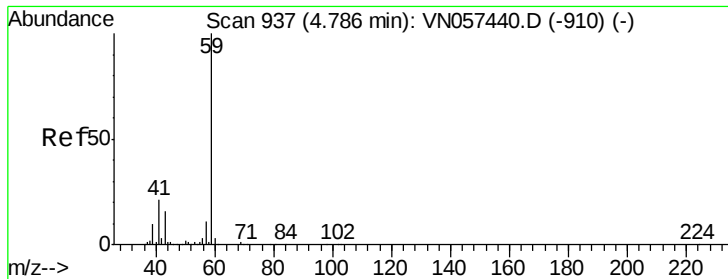


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



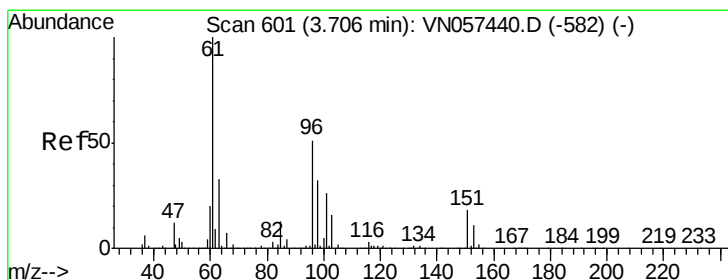
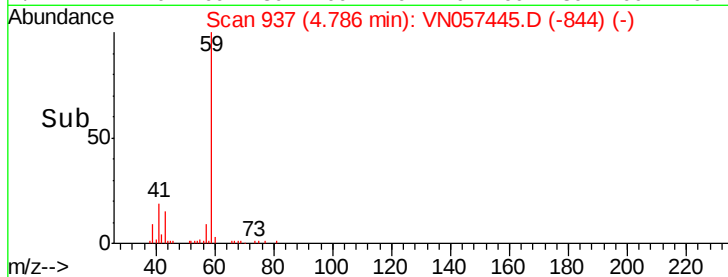
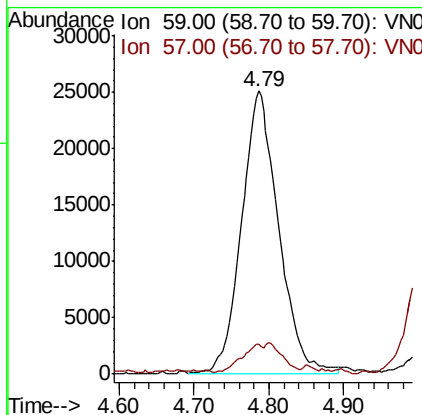
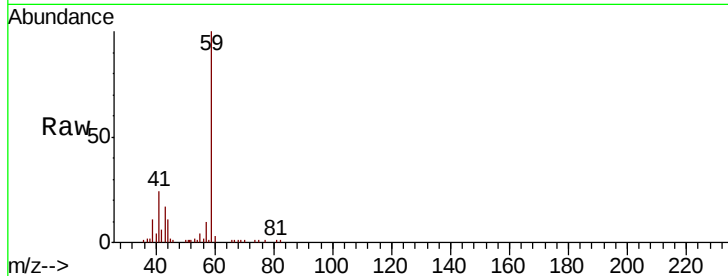


#11

Tert butyl alcohol
 Concen: 104.468 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0822WBS01

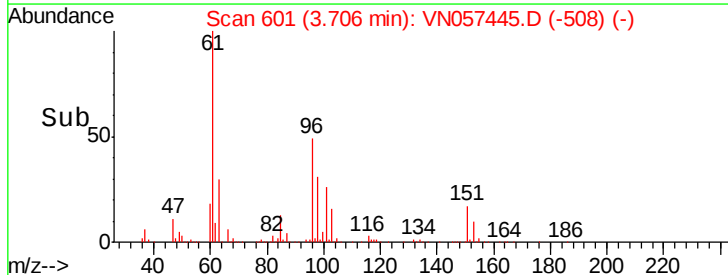
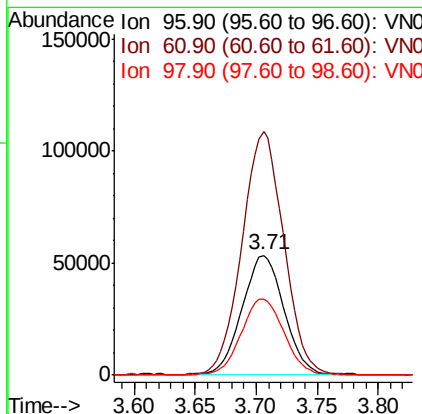
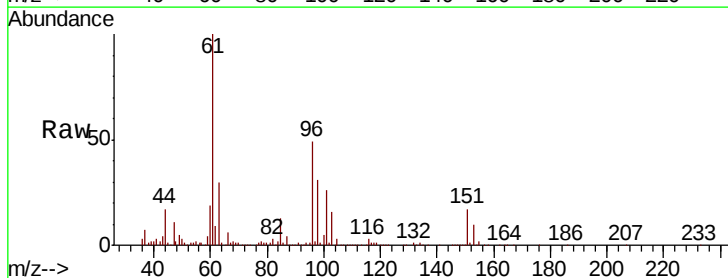
Tgt Ion: 59 Resp: 86485
 Ion Ratio Lower Upper
 59 100
 57 5.6 9.1 13.7#

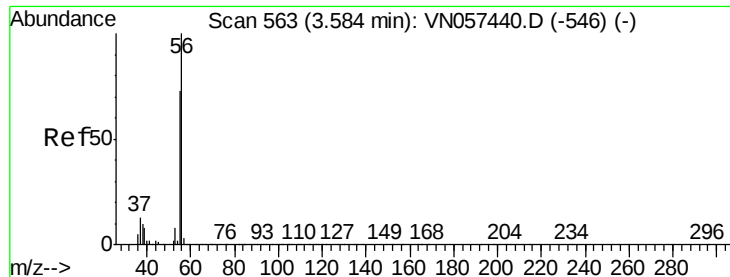


#12

1,1-Dichloroethene
 Concen: 19.455 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion: 96 Resp: 125429
 Ion Ratio Lower Upper
 96 100
 61 203.8 155.3 232.9
 98 62.8 50.2 75.2





#13

Acrolein

Concen: 112.112 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

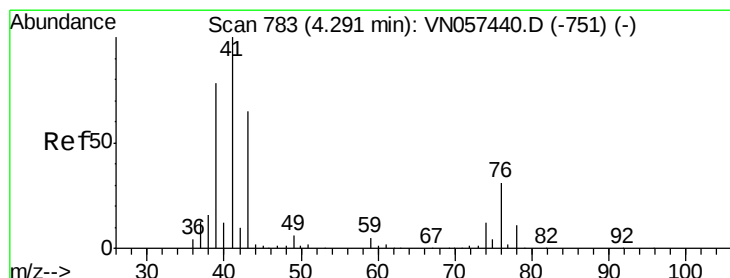
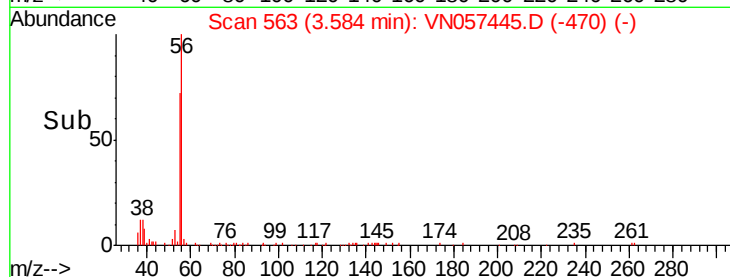
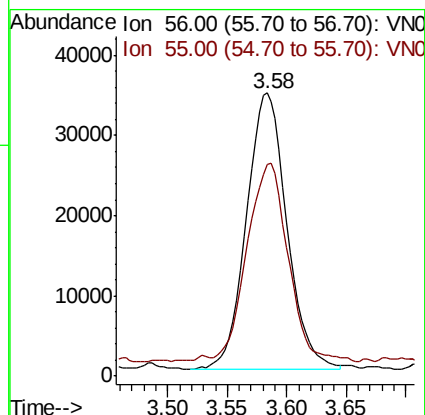
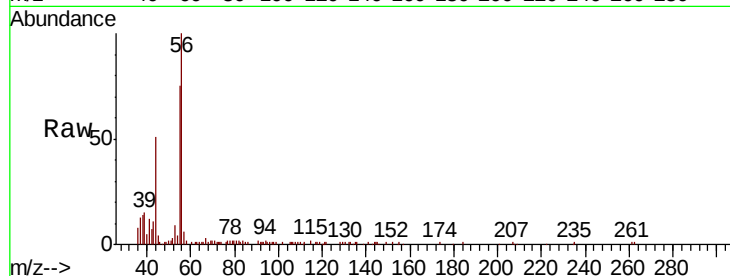
VN0822WBS01

Tgt Ion: 56 Resp: 81612

Ion Ratio Lower Upper

56 100

55 72.7 59.0 88.4



#14

Allyl chloride

Concen: 20.217 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

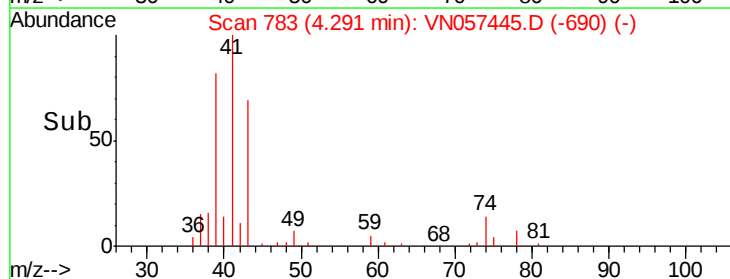
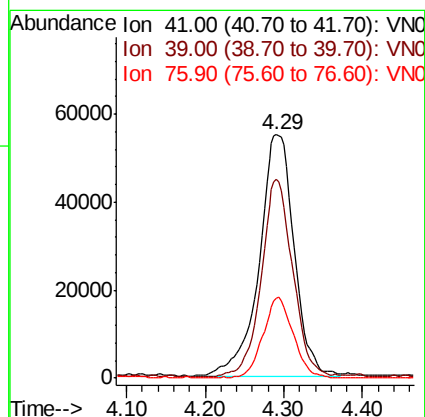
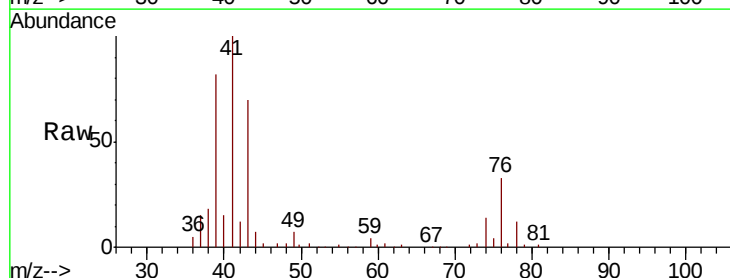
Tgt Ion: 41 Resp: 172449

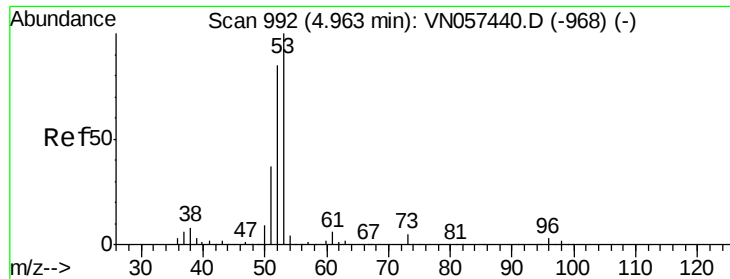
Ion Ratio Lower Upper

41 100

39 72.6 57.4 86.2

76 29.0 22.9 34.3

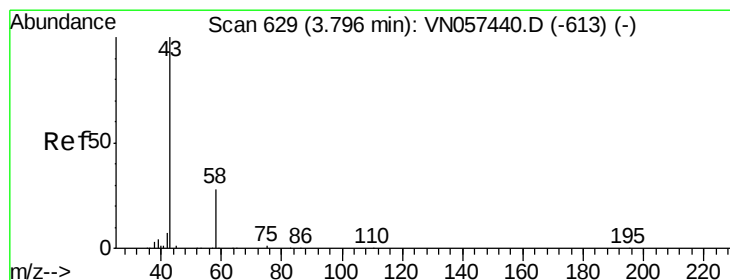
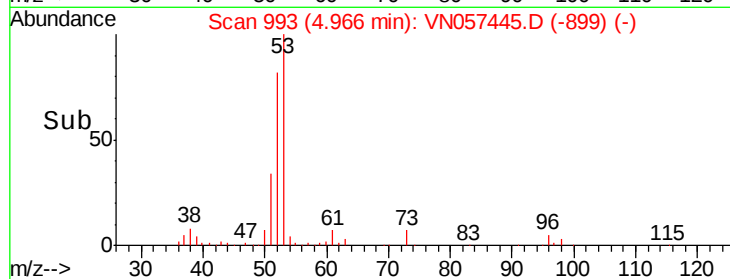
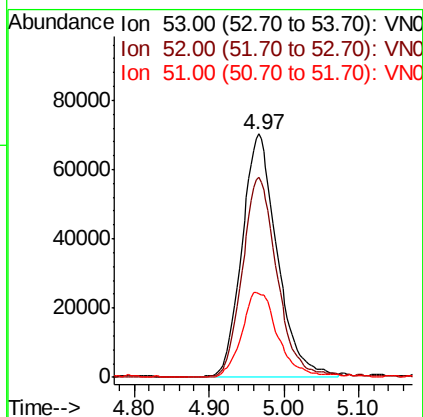
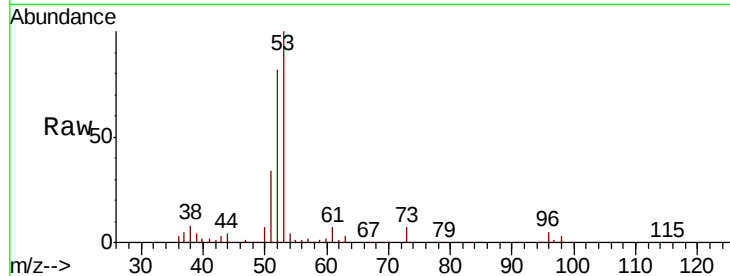




#15
 Acrylonitrile
 Concen: 103.349 ug/l
 RT: 4.97 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

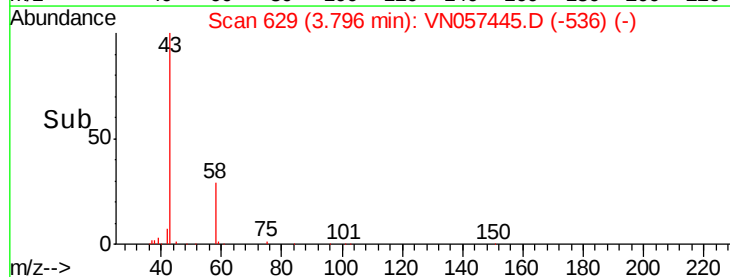
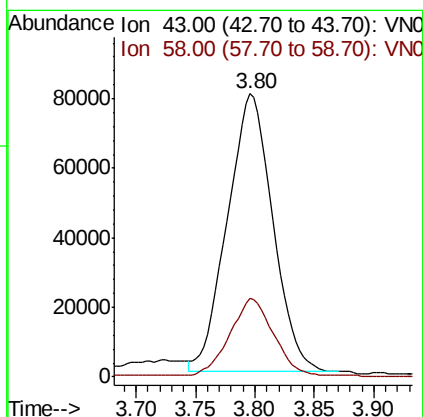
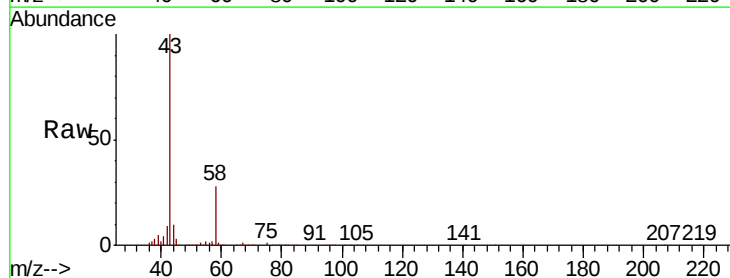
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

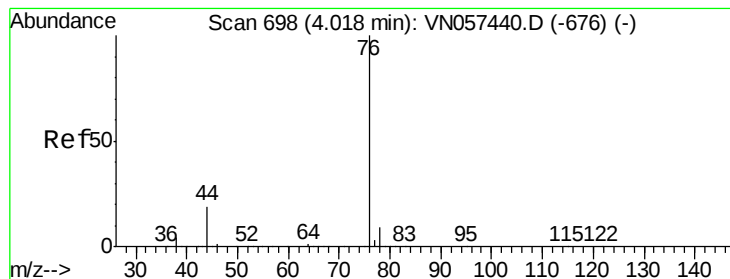
Tgt Ion: 53 Resp: 230734
 Ion Ratio Lower Upper
 53 100
 52 80.9 67.0 100.6
 51 35.7 29.9 44.9



#16
 Acetone
 Concen: 69.136 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion: 43 Resp: 211551
 Ion Ratio Lower Upper
 43 100
 58 27.6 22.1 33.1





#17

Carbon Disulfide

Concen: 19.343 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

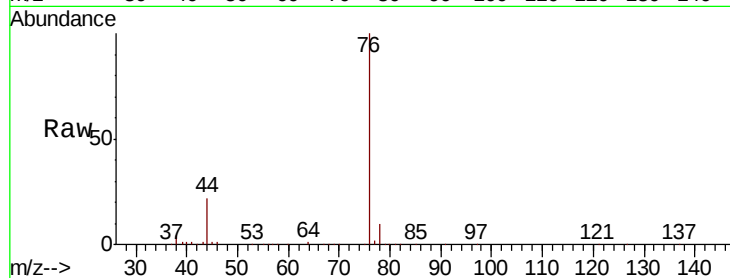
VN0822WBS01

Tgt Ion: 76 Resp: 237881

Ion Ratio Lower Upper

76 100

78 9.5 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

100000

80000

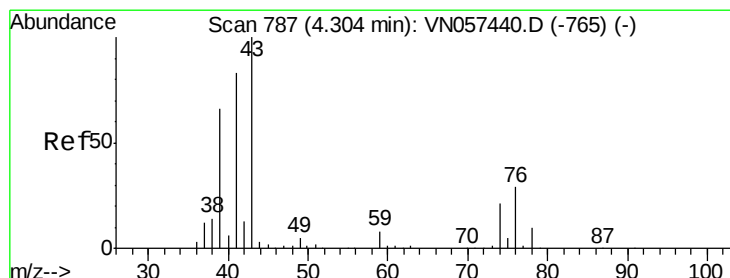
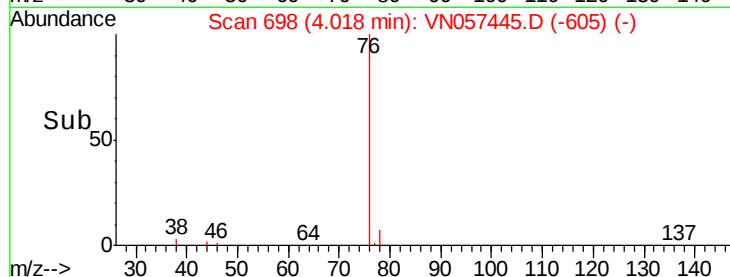
60000

40000

20000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 21.432 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057445.D

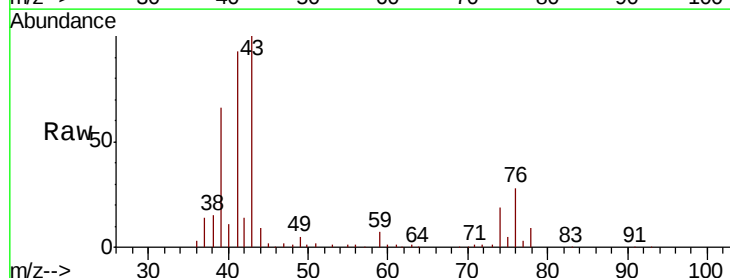
Acq: 22 Aug 2019 20:50

Tgt Ion: 43 Resp: 145123

Ion Ratio Lower Upper

43 100

74 19.6 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

60000

50000

40000

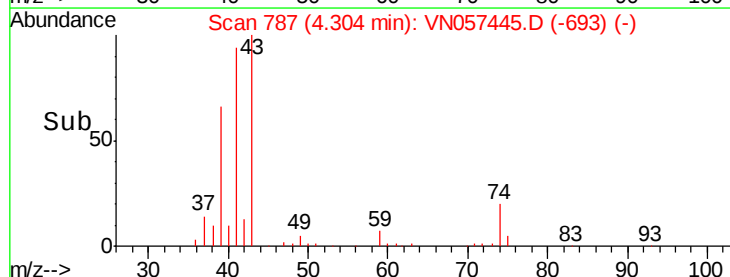
30000

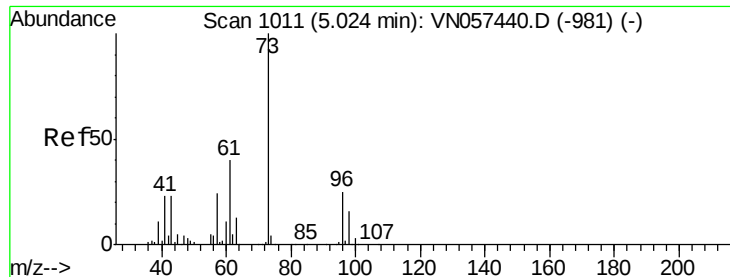
20000

10000

0

Time--> 4.20 4.30 4.40

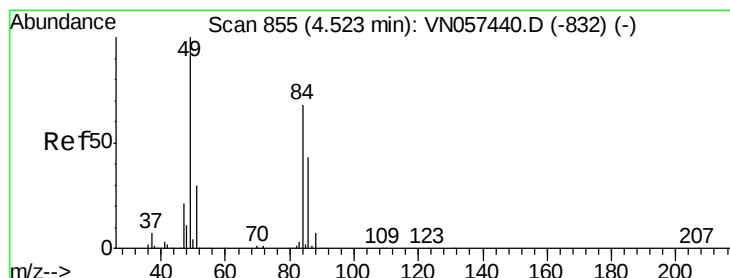
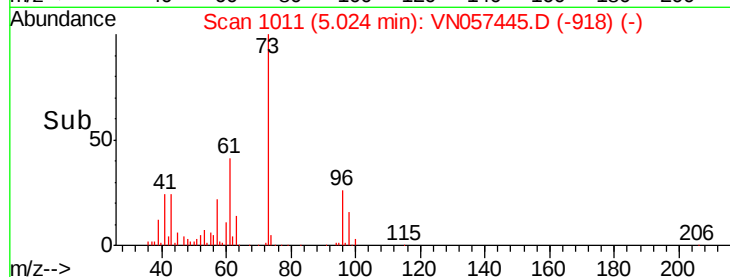
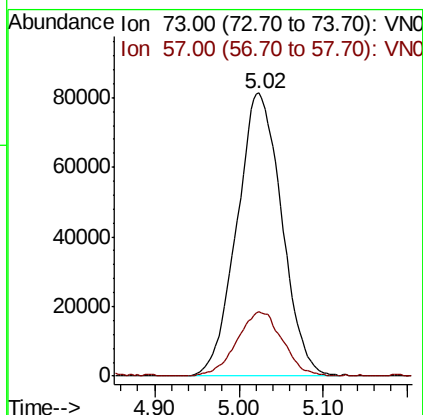
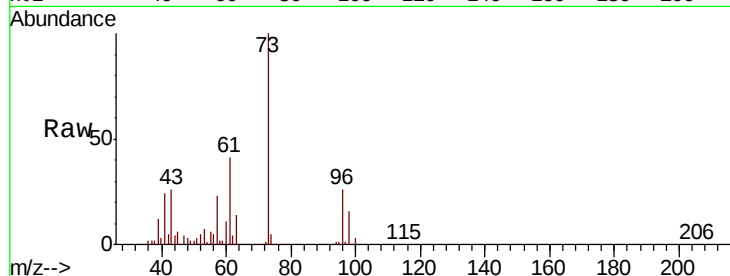




#19
Methyl tert-butyl Ether
Concen: 19.166 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

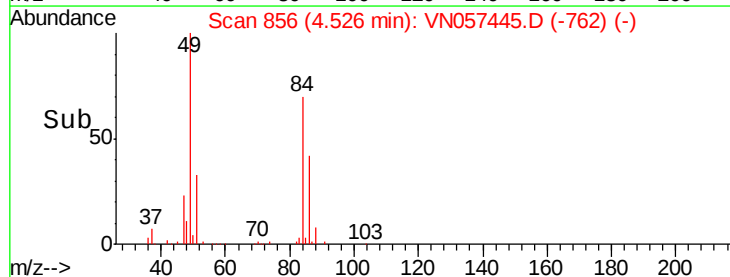
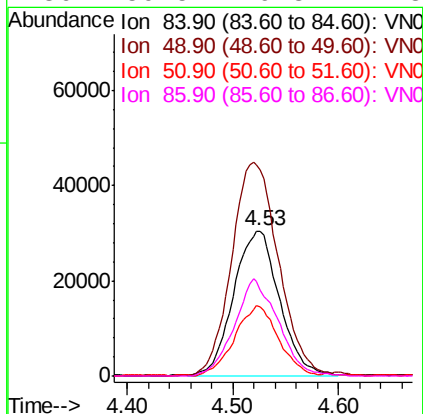
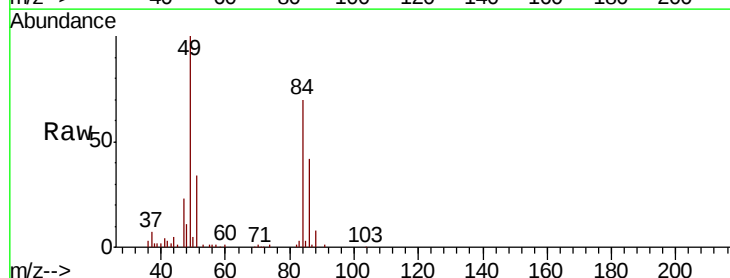
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

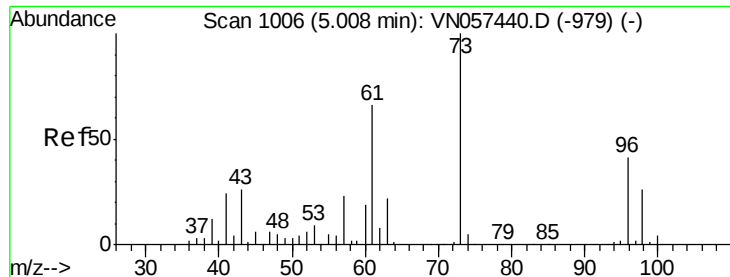
Tgt Ion: 73 Resp: 298288
Ion Ratio Lower Upper
73 100
57 22.4 19.1 28.7



#20
Methylene Chloride
Concen: 20.241 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 84 Resp: 92032
Ion Ratio Lower Upper
84 100
49 141.2 117.0 175.4
51 47.2 35.5 53.3
86 59.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.404 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampled :

VN0822WBS01

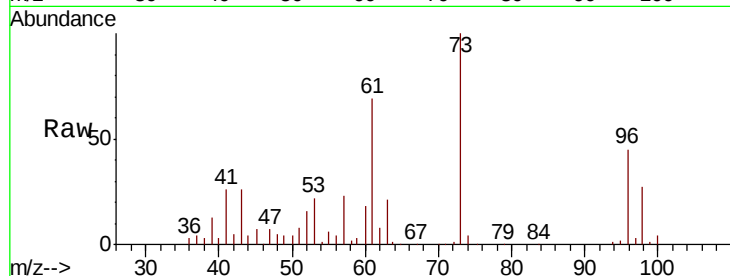
Tgt Ion: 96 Resp: 88280

Ion Ratio Lower Upper

96 100

61 152.5 127.9 191.9

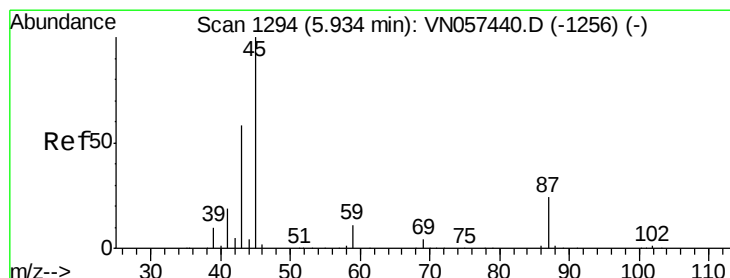
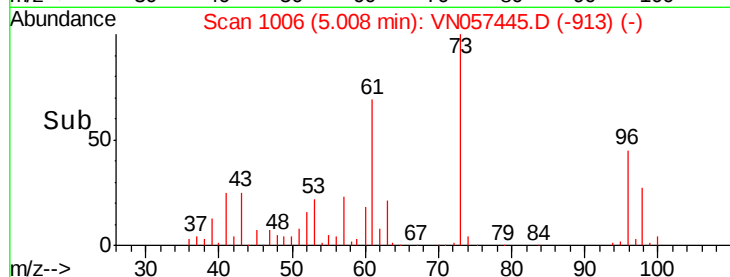
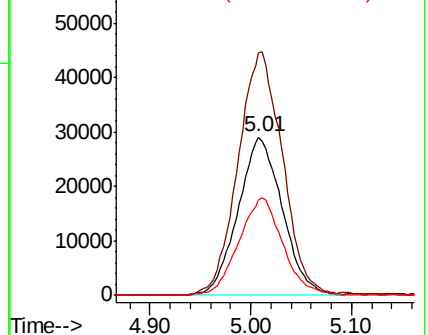
98 59.2 50.6 76.0



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



#22

Diisopropyl ether

Concen: 19.858 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Tgt Ion: 45 Resp: 363245

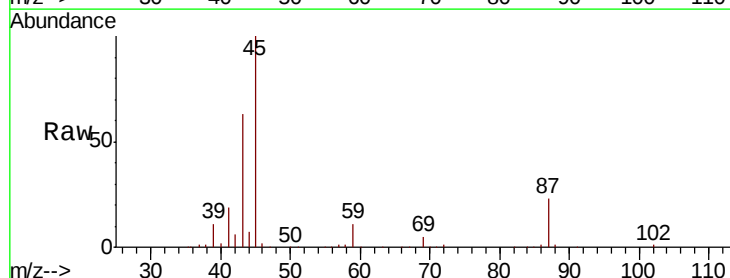
Ion Ratio Lower Upper

45 100

43 60.5 46.9 70.3

87 22.7 19.3 28.9

59 10.5 8.7 13.1

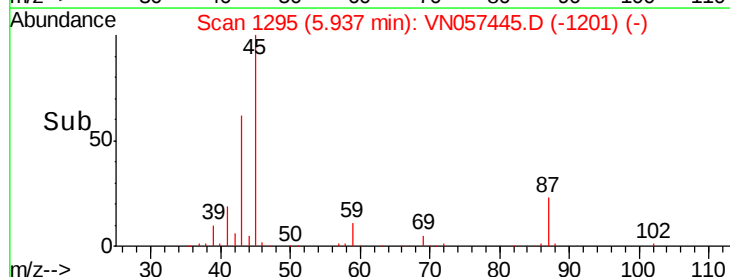
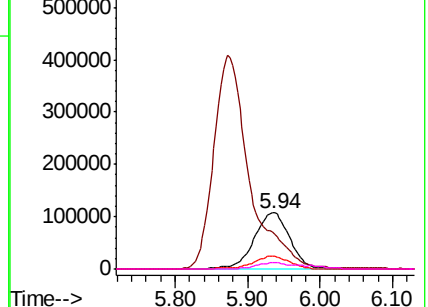


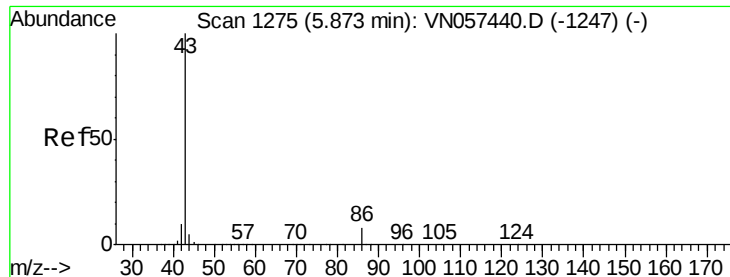
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 97.231 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

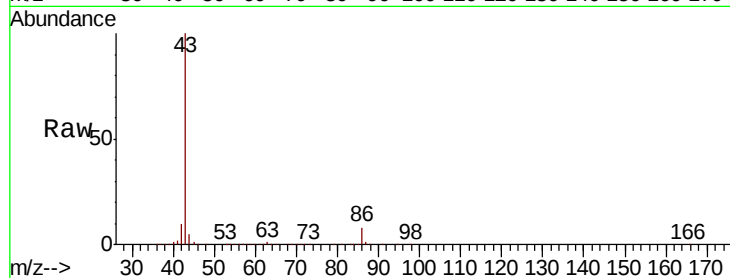
VN0822WBS01

Tgt Ion: 43 Resp: 1389176

Ion Ratio Lower Upper

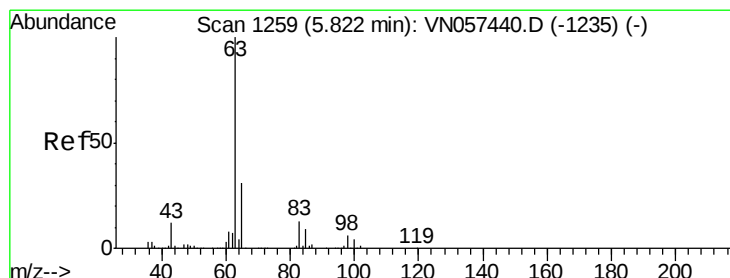
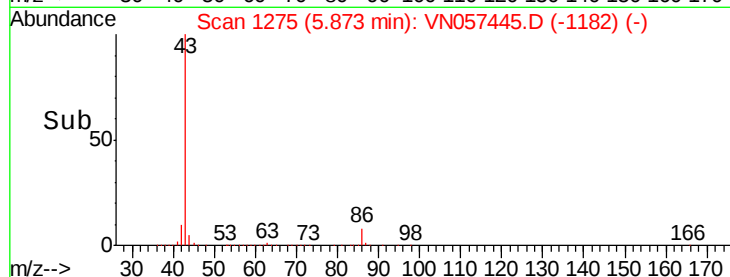
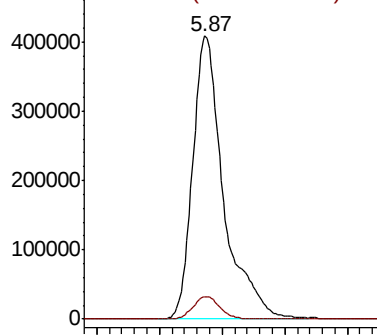
43 100

86 8.1 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.566 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

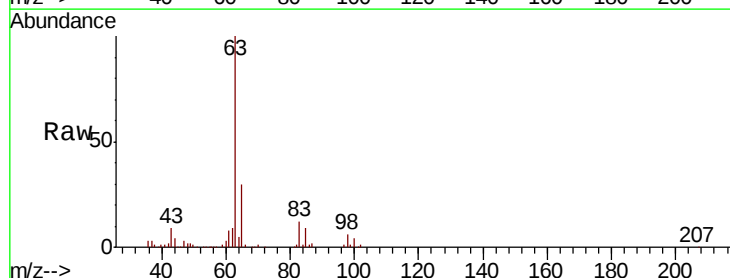
Tgt Ion: 63 Resp: 189682

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

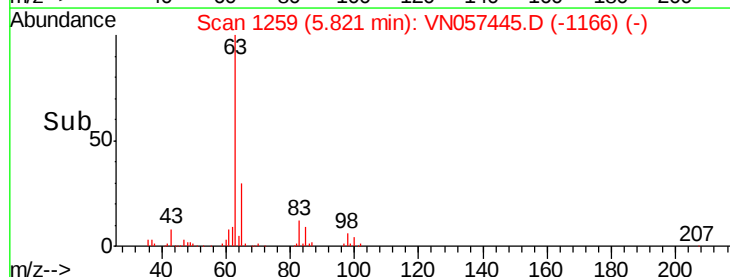
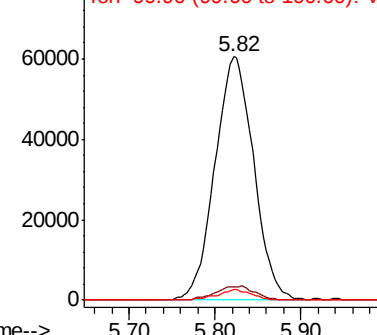
100 4.4 2.1 6.3

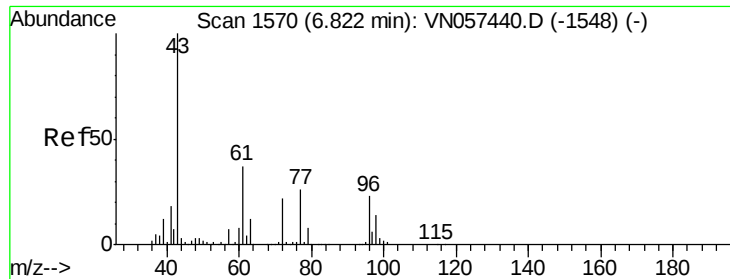


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

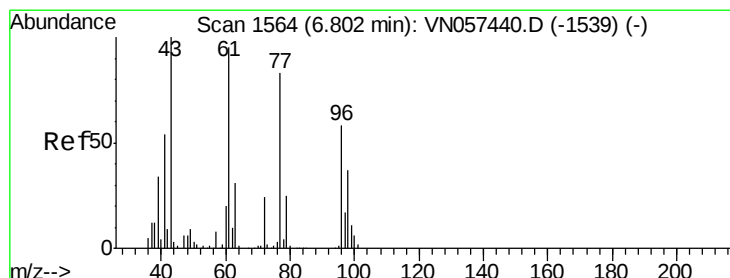
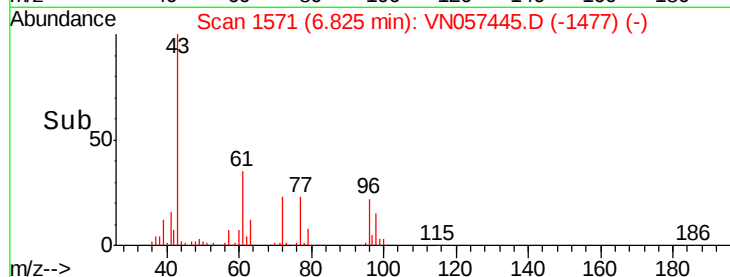
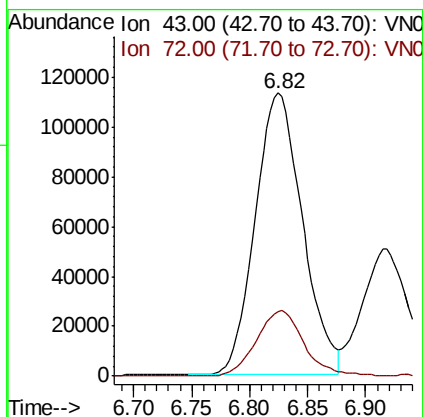
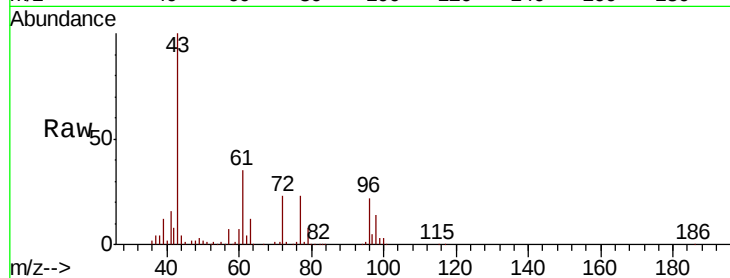




#25
 2-Butanone
 Concen: 96.474 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

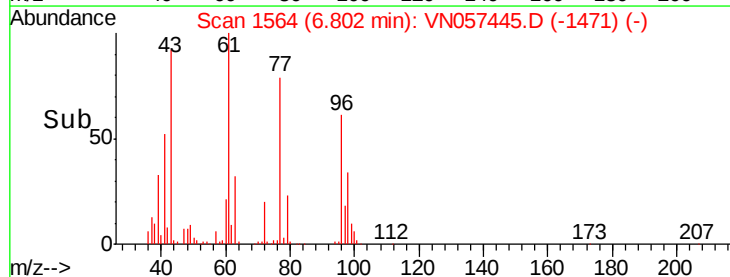
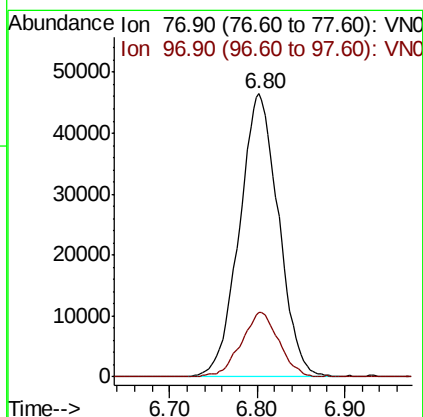
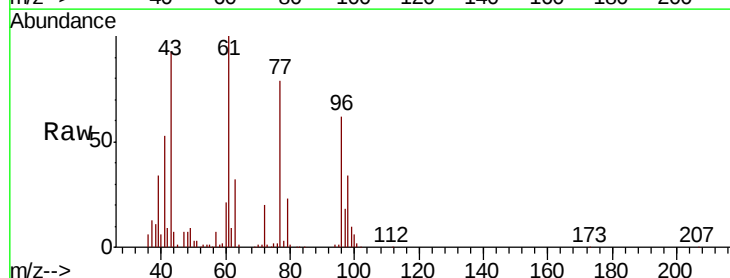
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

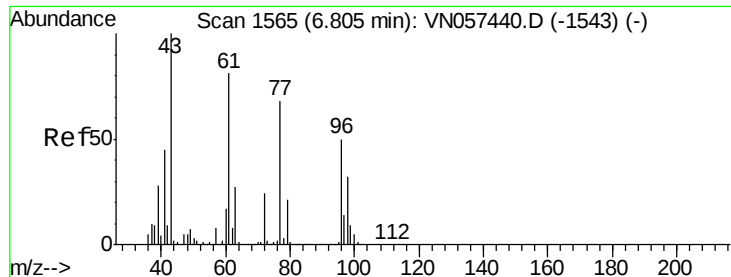
Tgt Ion: 43 Resp: 320554
 Ion Ratio Lower Upper
 43 100
 72 23.0 17.8 26.8



#26
 2,2-Dichloropropane
 Concen: 17.182 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion: 77 Resp: 144245
 Ion Ratio Lower Upper
 77 100
 97 21.9 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 19.212 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

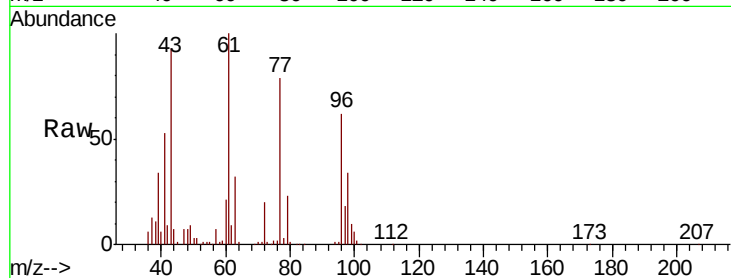
Tgt Ion: 96 Resp: 103612

Ion Ratio Lower Upper

96 100

61 169.7 0.0 334.8

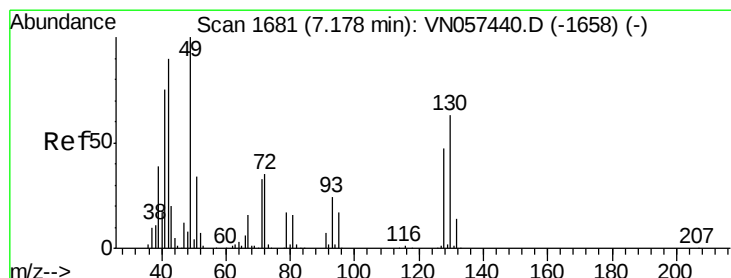
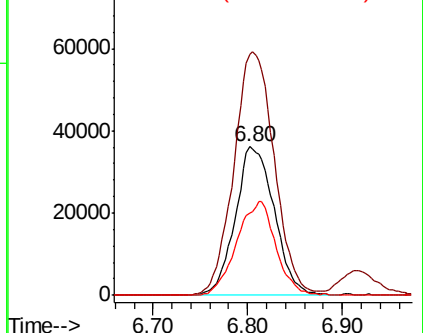
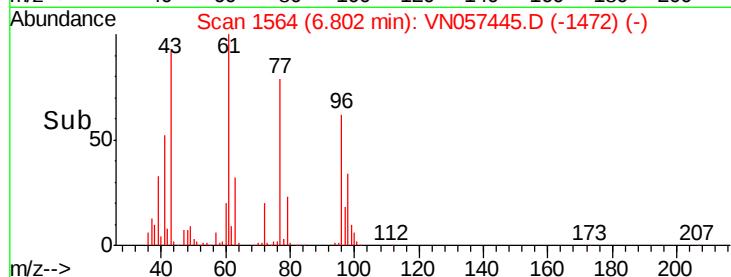
98 63.4 0.0 127.4



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: 22.481 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

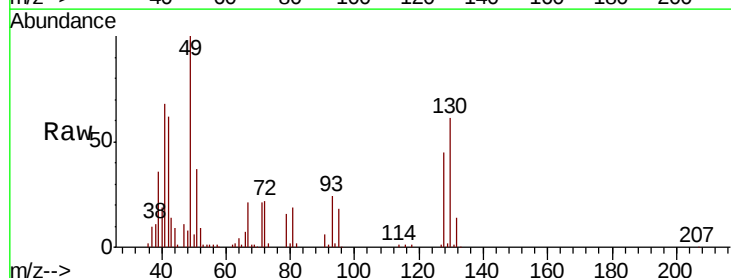
Tgt Ion: 49 Resp: 117363

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

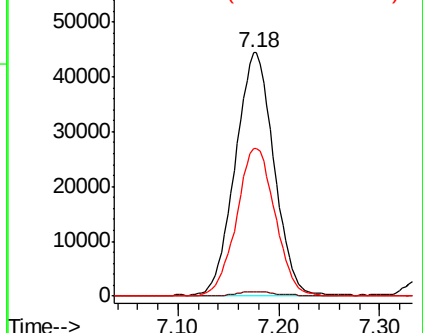
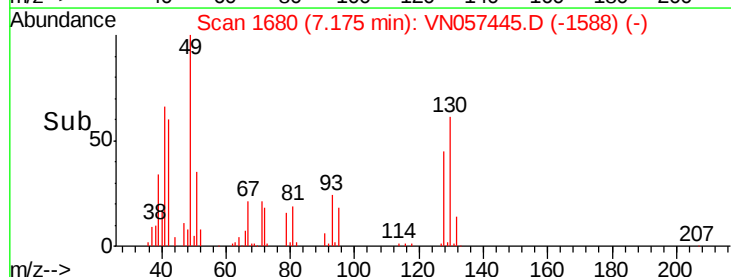
130 60.9 48.6 72.8

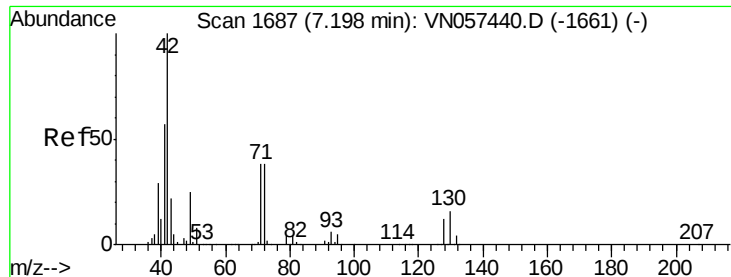


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

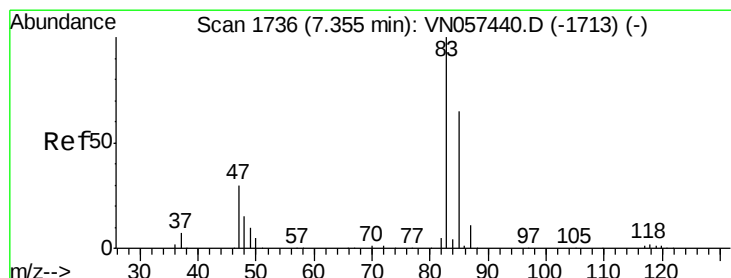
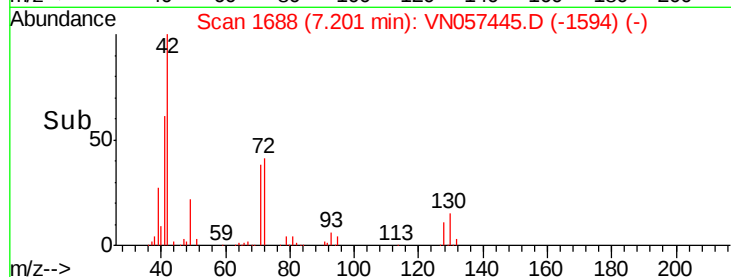
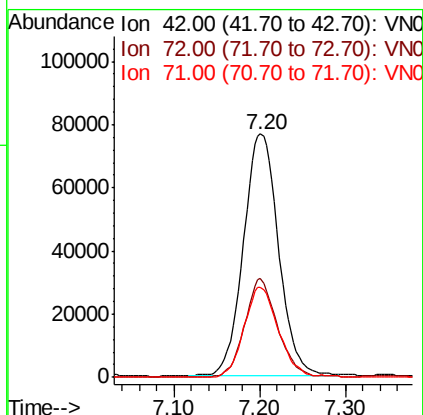
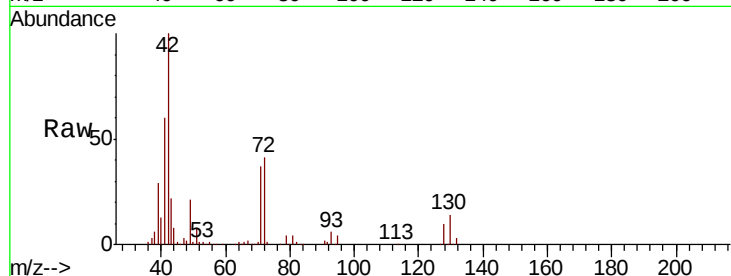




#29
Tetrahydrofuran
Concen: 99.652 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

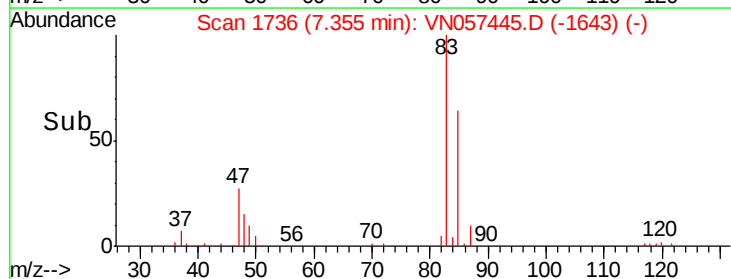
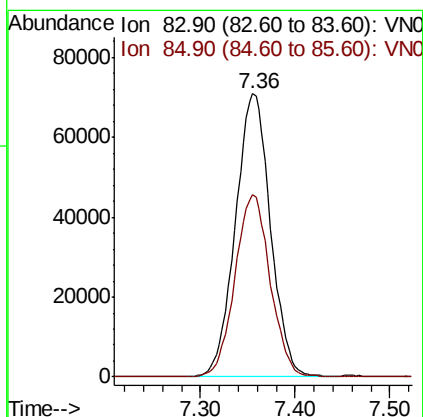
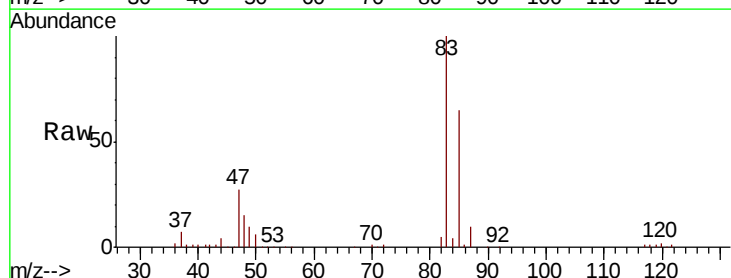
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

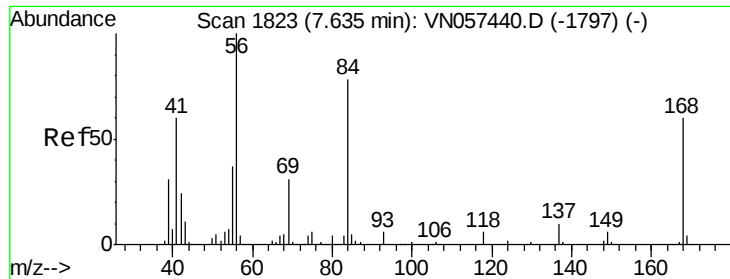
Tgt Ion: 42 Resp: 218334
Ion Ratio Lower Upper
42 100
72 38.2 30.1 45.1
71 36.0 28.8 43.2



#30
Chloroform
Concen: 20.378 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 83 Resp: 182900
Ion Ratio Lower Upper
83 100
85 64.6 51.9 77.9

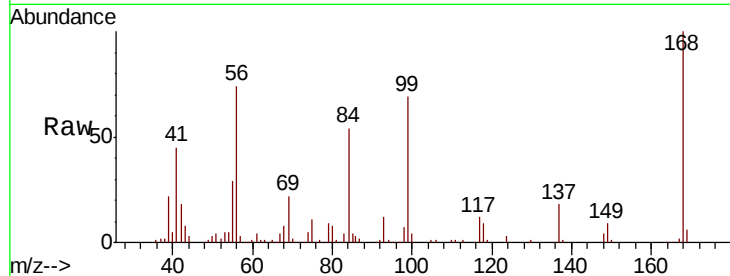




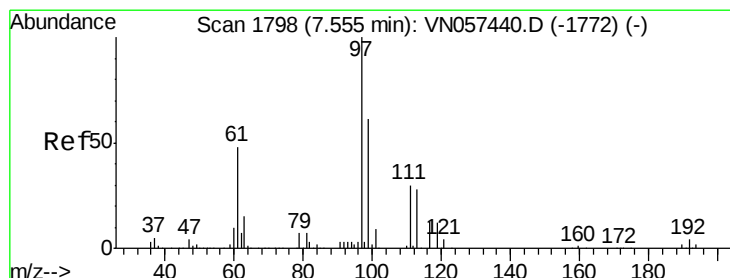
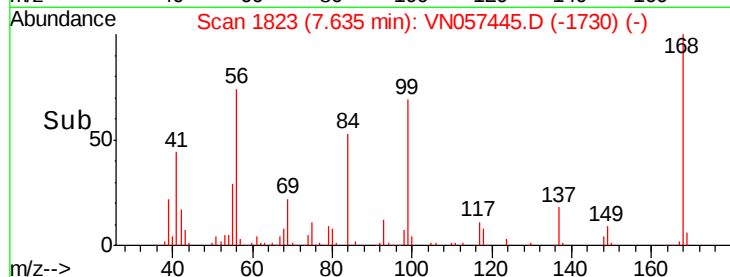
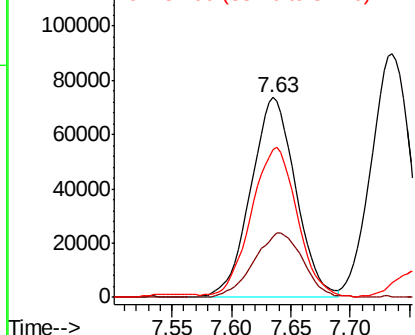
#31
Cyclohexane
Concen: 20.322 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampled :
VN0822WBS01

Tgt Ion: 56 Resp: 190205
Ion Ratio Lower Upper
56 100
69 30.3 25.0 37.6
84 72.9 62.5 93.7

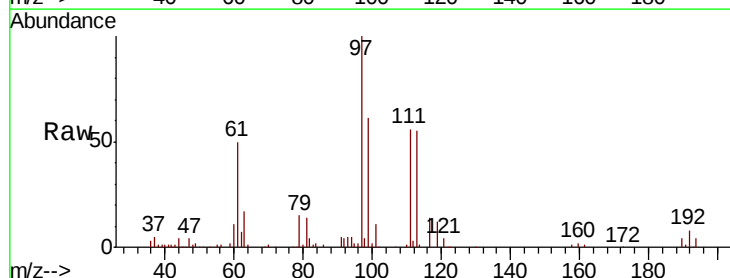


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

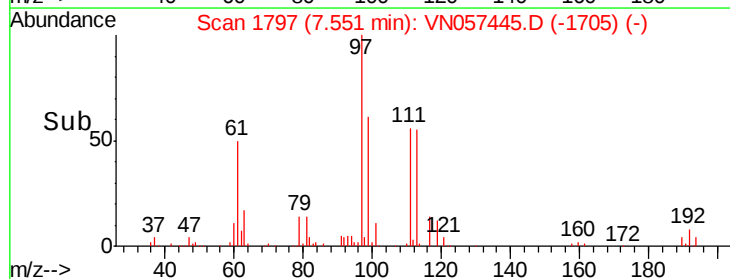
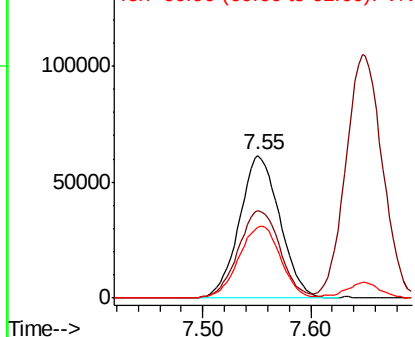


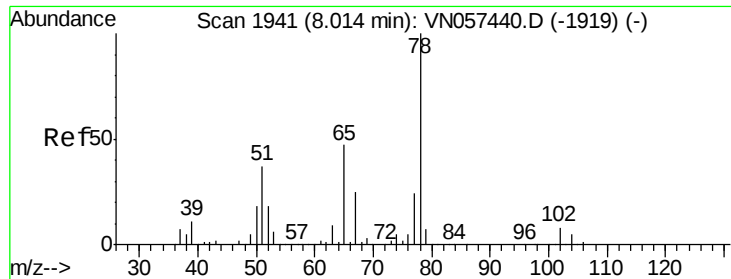
#32
1,1,1-Trichloroethane
Concen: 19.298 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 97 Resp: 160482
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.6
61 52.0 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

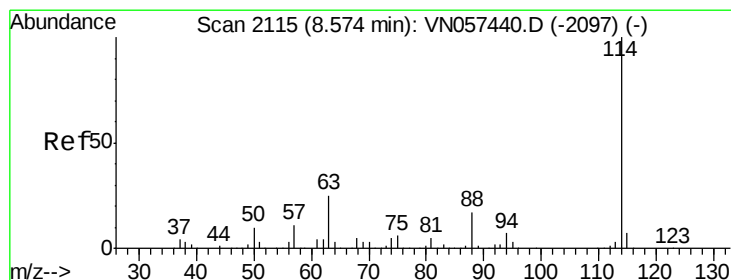
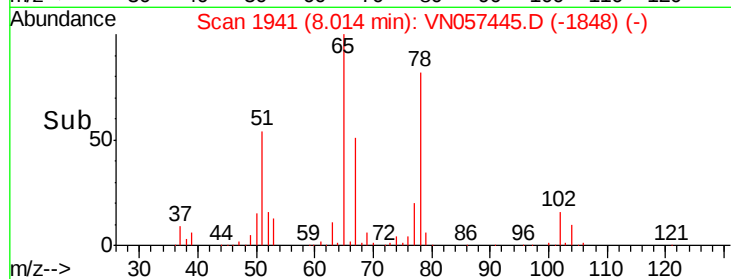
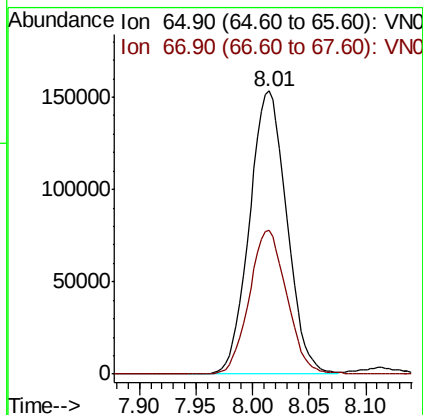
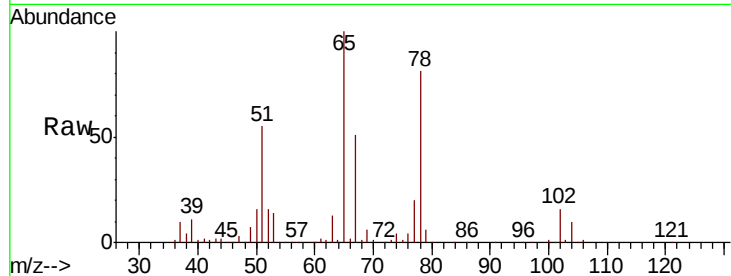




#33
 1,2-Dichloroethane-d4
 Concen: 52.786 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

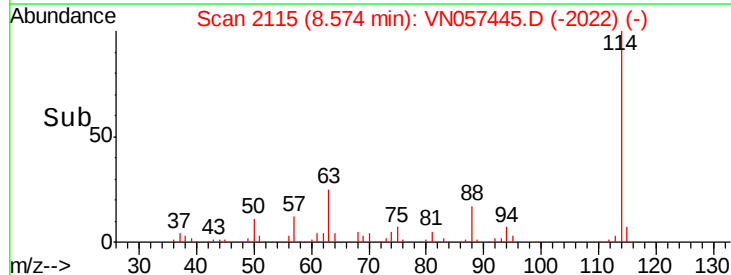
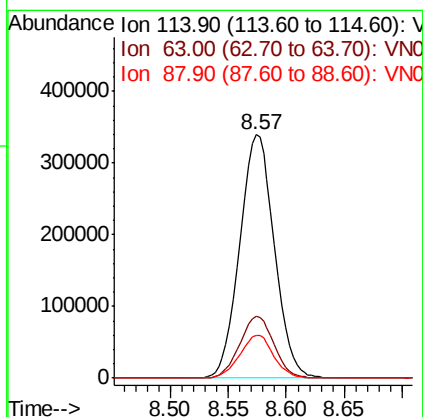
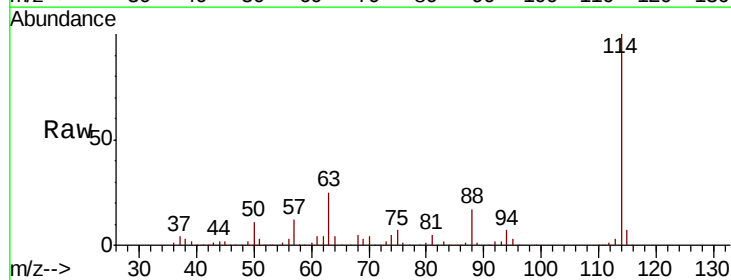
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

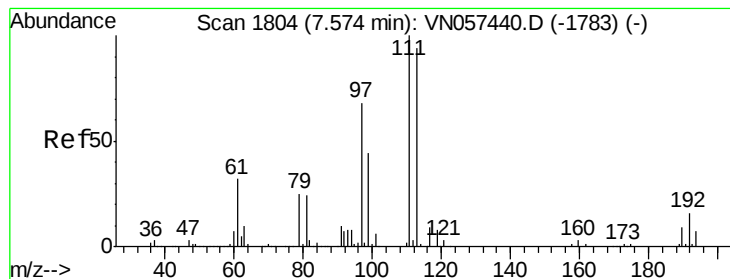
Tgt Ion: 65 Resp: 351716
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion: 114 Resp: 704616
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 50.2
 88 17.5 0.0 34.6





#35

Dibromofluoromethane

Concen: 50.035 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

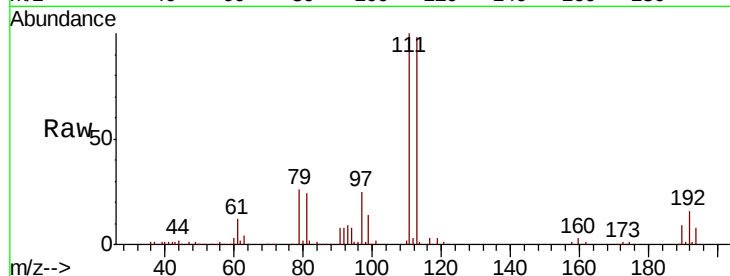
Tgt Ion: 113 Resp: 238134

Ion Ratio Lower Upper

113 100

111 103.4 83.8 125.6

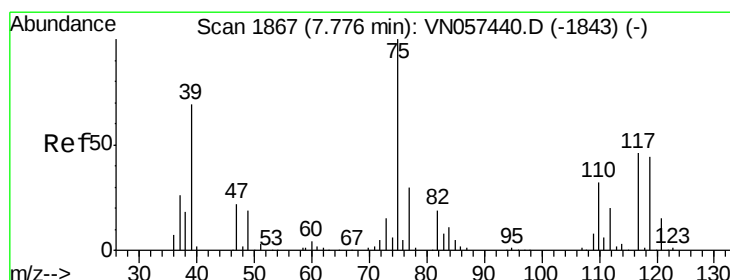
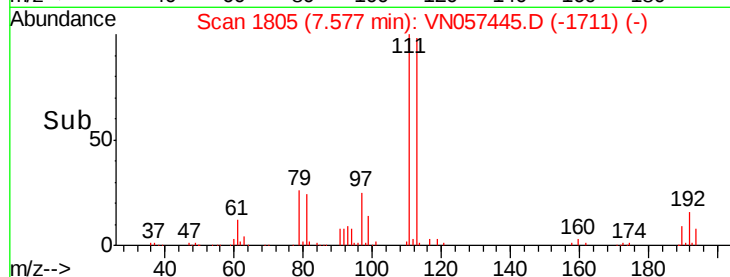
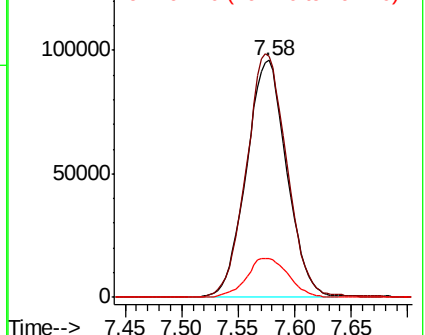
192 16.9 13.5 20.3



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: 18.864 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

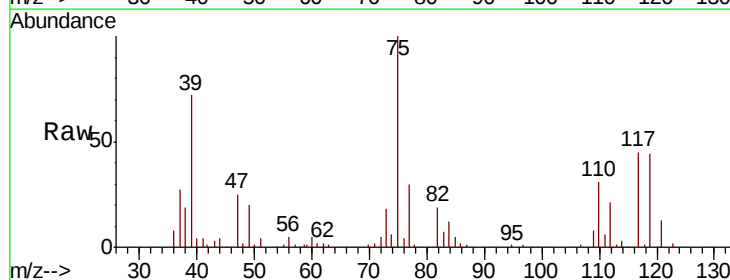
Tgt Ion: 75 Resp: 135815

Ion Ratio Lower Upper

75 100

110 32.7 16.1 48.3

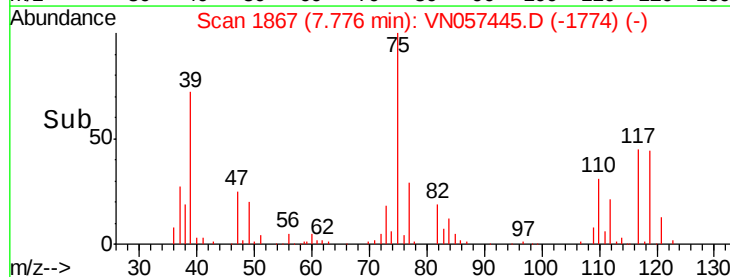
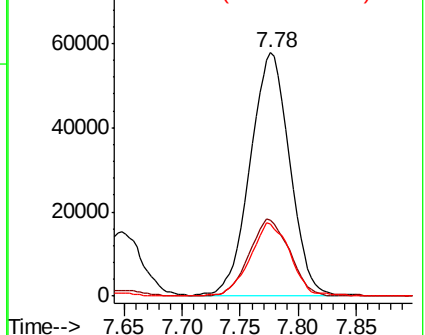
77 31.2 24.8 37.2

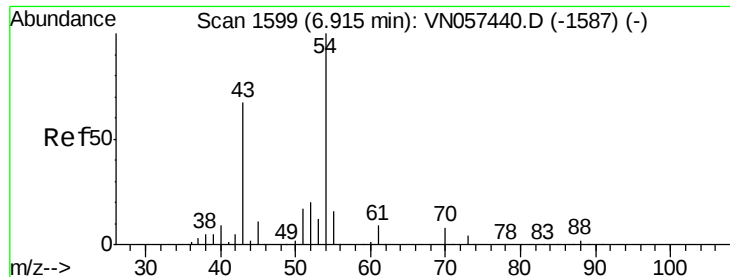


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

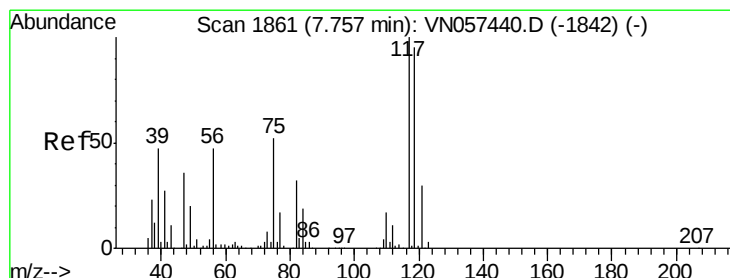
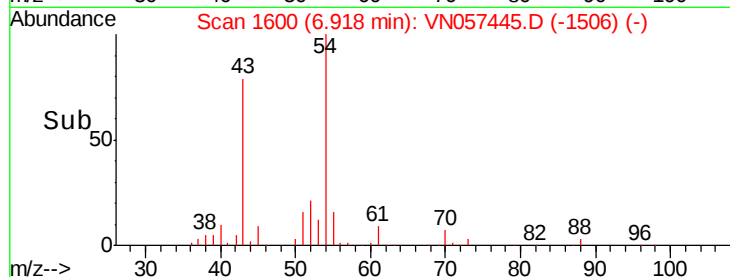
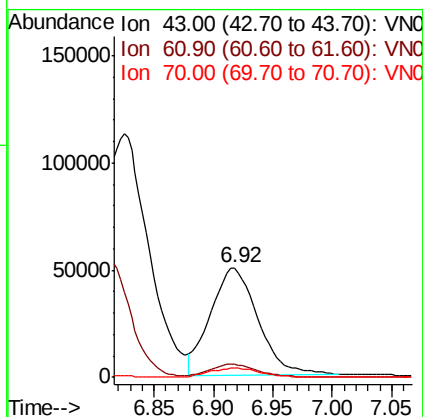
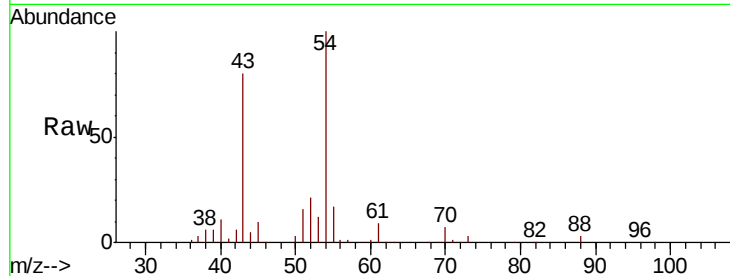




#37
 Ethyl Acetate
 Concen: 19.336 ug/l
 RT: 6.92 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

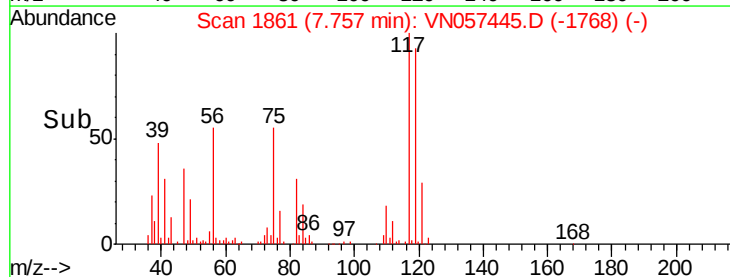
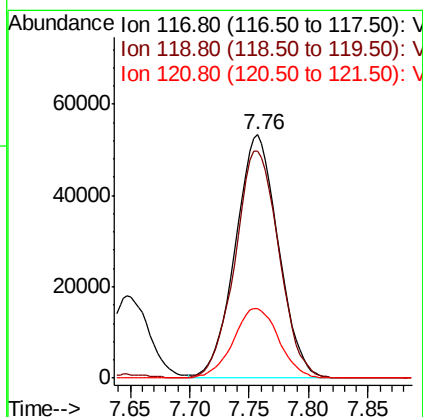
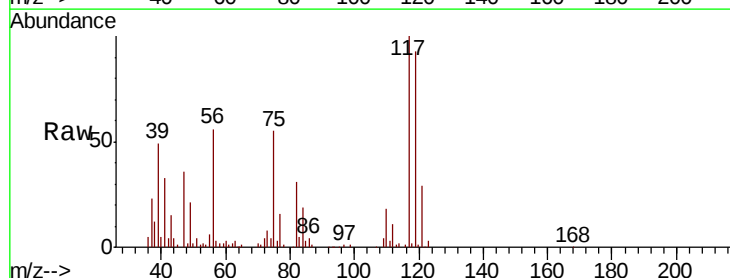
Instrument :
 MSVOA_N
 ClientSampled :
 VN0822WBS01

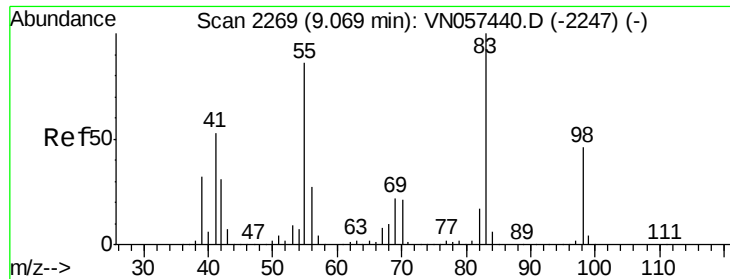
Tgt Ion: 43 Resp: 137564
 Ion Ratio Lower Upper
 43 100
 61 12.0 9.9 14.9
 70 9.4 7.0 10.6



#38
 Carbon Tetrachloride
 Concen: 18.664 ug/l
 RT: 7.76 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion: 117 Resp: 133492
 Ion Ratio Lower Upper
 117 100
 119 93.2 76.2 114.4
 121 28.5 23.8 35.6

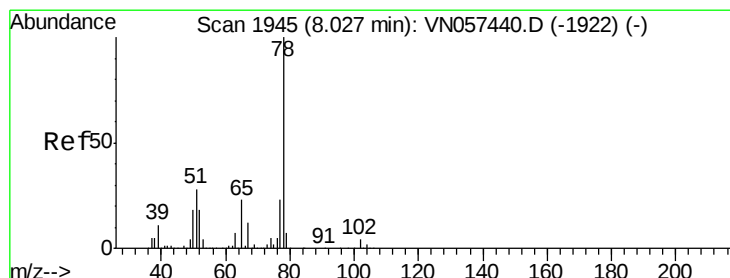
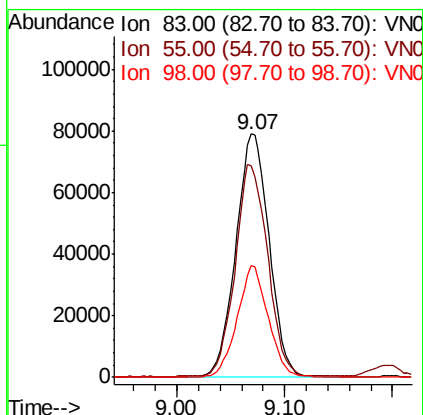
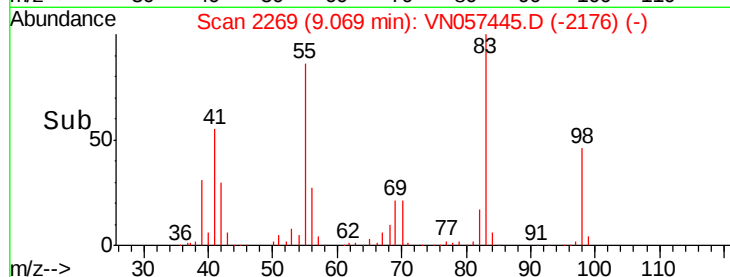
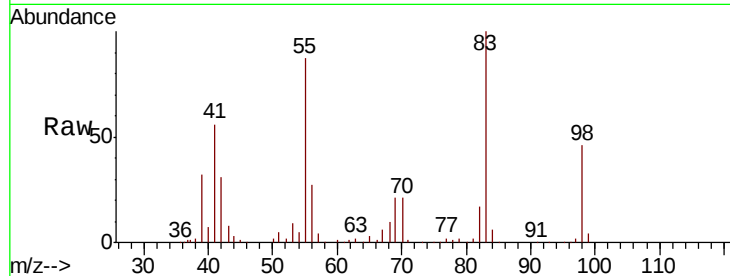




#39
Methylcyclohexane
Concen: 19.898 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

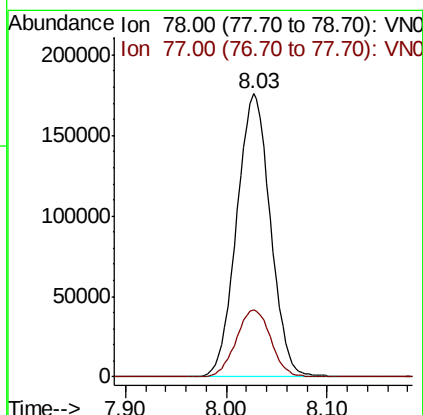
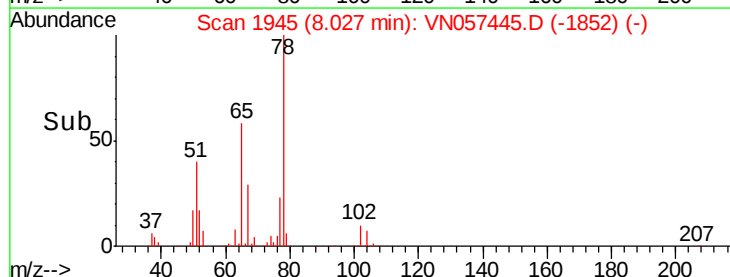
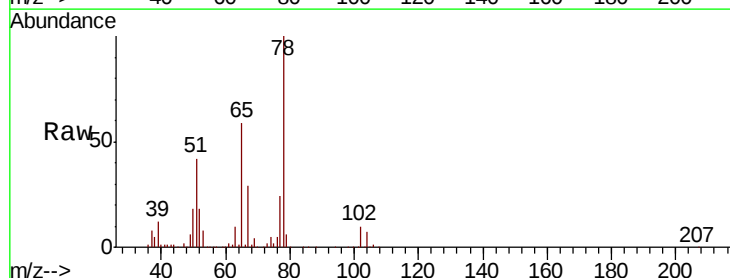
Instrument :
MSVOA_N
ClientSampled :
VN0822WBS01

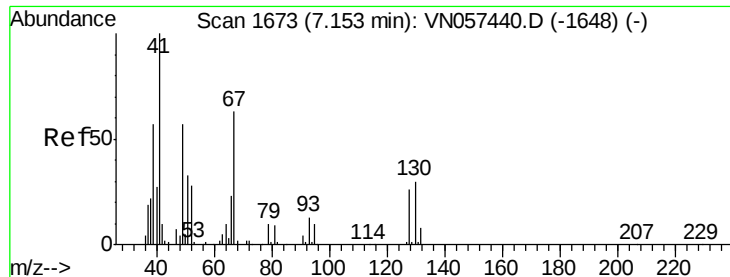
Tgt Ion: 83 Resp: 170144
Ion Ratio Lower Upper
83 100
55 86.3 68.6 102.8
98 45.7 36.6 54.8



#40
Benzene
Concen: 18.843 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 78 Resp: 407187
Ion Ratio Lower Upper
78 100
77 23.5 18.5 27.7

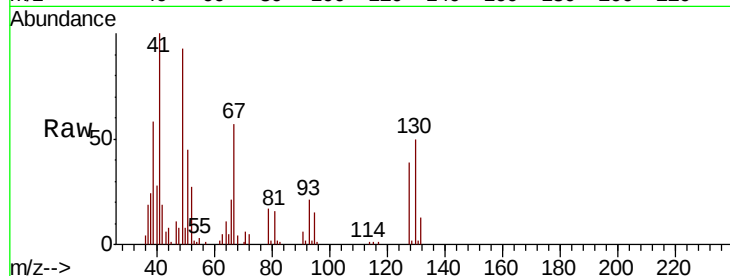




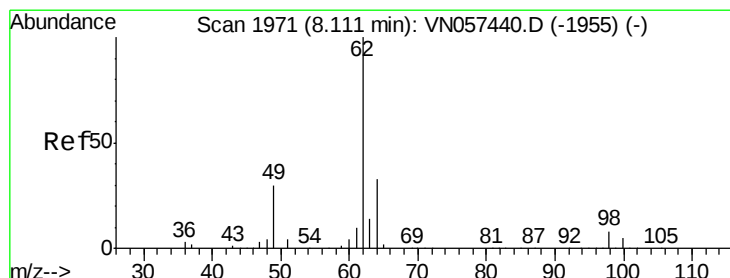
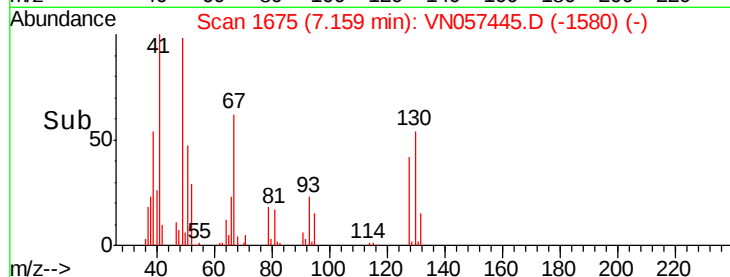
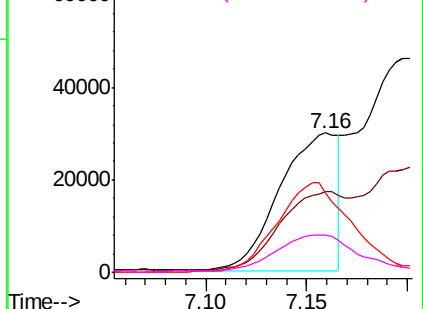
#41
Methacrylonitrile
Concen: 17.555 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampled :
VN0822WBS01

Tgt Ion:	41	Resp:	59555
Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.6	80.4
67	84.9	65.4	98.2
52	41.0	29.8	44.6

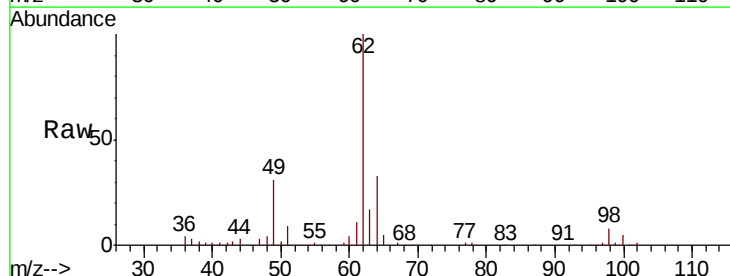


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

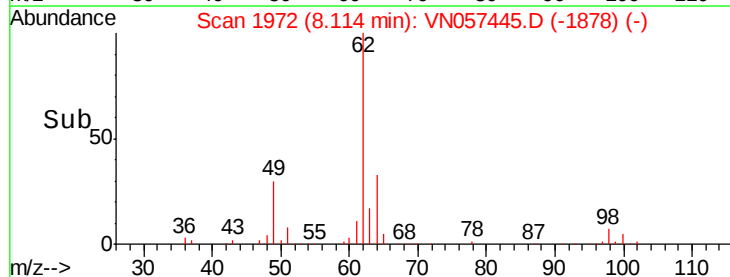
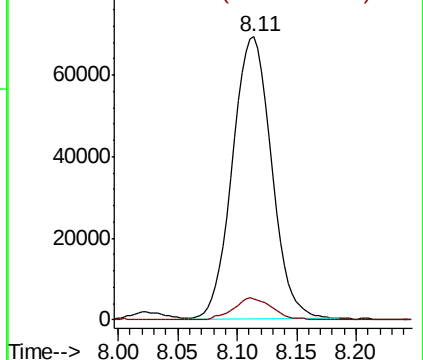


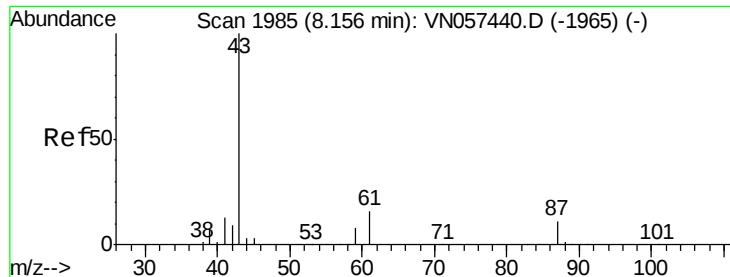
#42
1,2-Dichloroethane
Concen: 18.955 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion:	62	Resp:	157713
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.4



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





#43

Isopropyl Acetate

Concen: 18.909 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

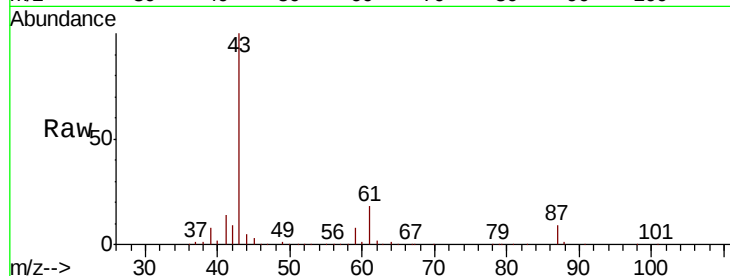
Tgt Ion: 43 Resp: 246667

Ion Ratio Lower Upper

43 100

61 18.7 14.5 21.7

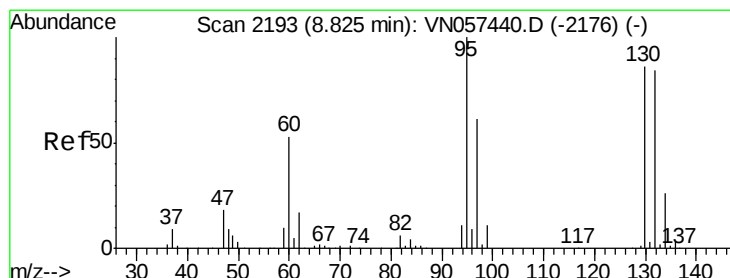
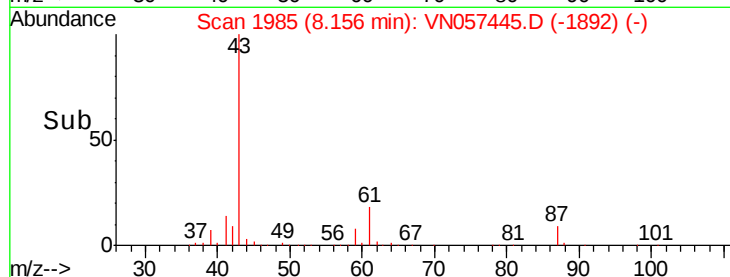
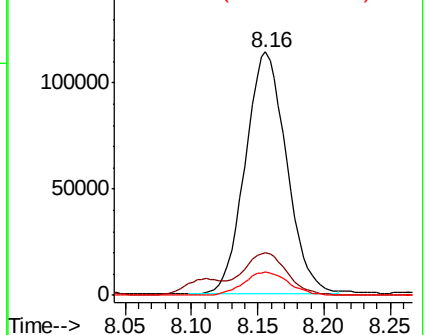
87 10.4 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.323 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057445.D

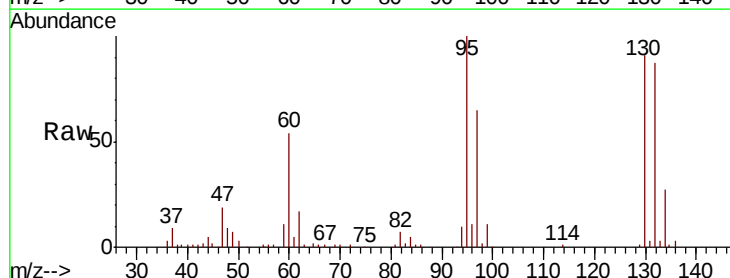
Acq: 22 Aug 2019 20:50

Tgt Ion: 130 Resp: 93208

Ion Ratio Lower Upper

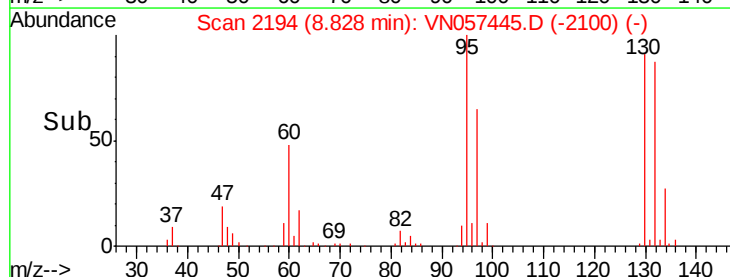
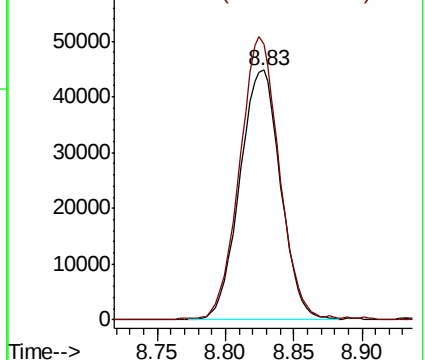
130 100

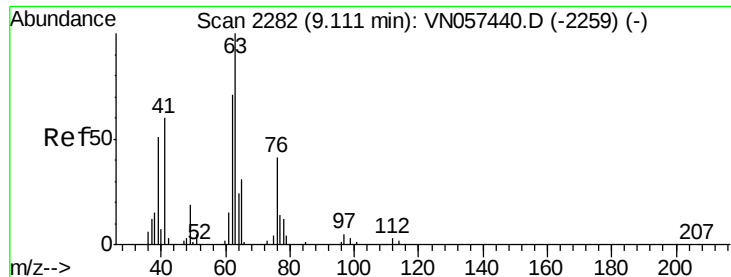
95 109.7 0.0 231.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.181 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

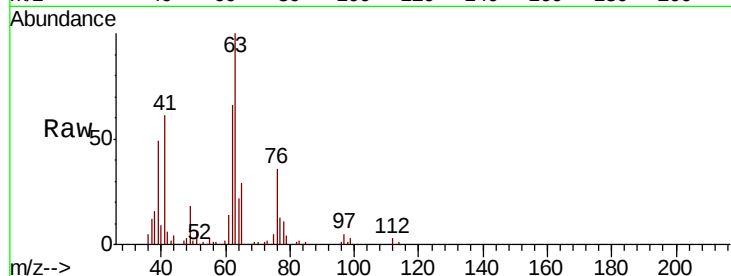
VN0822WBS01

Tgt Ion: 63 Resp: 116733

Ion Ratio Lower Upper

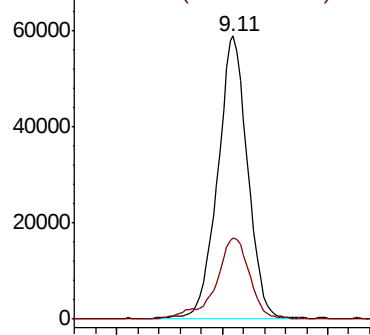
63 100

65 28.8 24.7 37.1

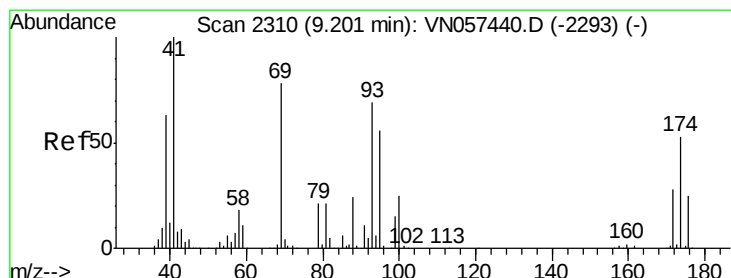
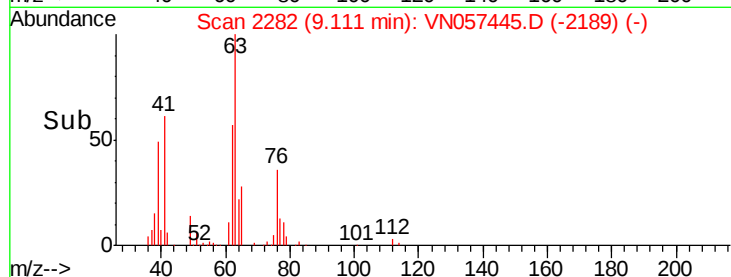


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



Time-->



#46

Dibromomethane

Concen: 20.090 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

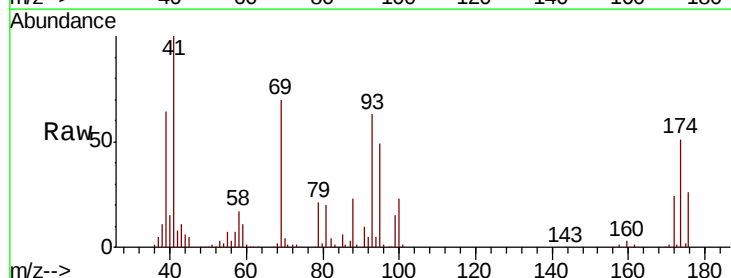
Tgt Ion: 93 Resp: 72462

Ion Ratio Lower Upper

93 100

95 78.4 64.7 97.1

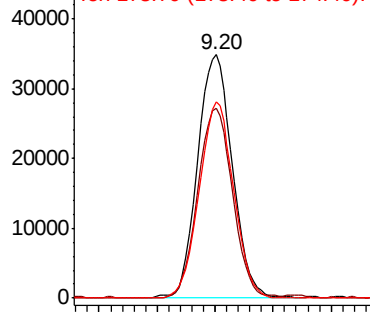
174 79.8 62.3 93.5



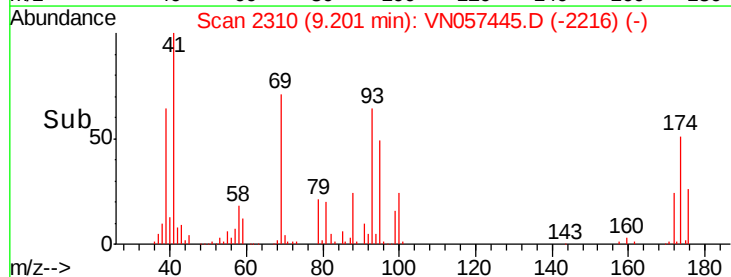
Abundance Ion 92.80 (92.50 to 93.50): VN0

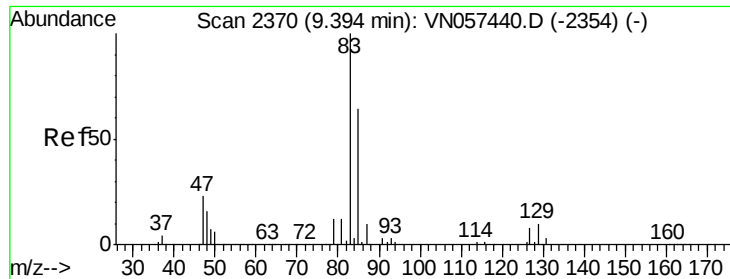
Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V



Time-->





#47

Bromodichloromethane

Concen: 18.503 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

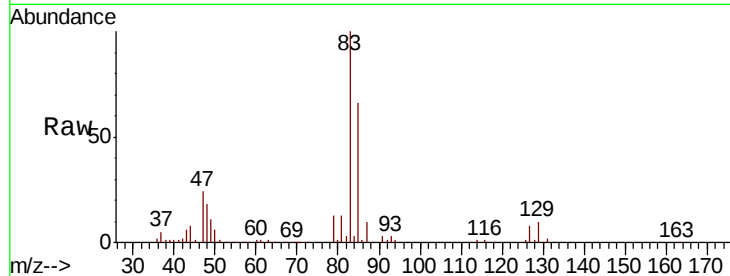
Tgt Ion: 83 Resp: 148559

Ion Ratio Lower Upper

83 100

85 66.4 51.2 76.8

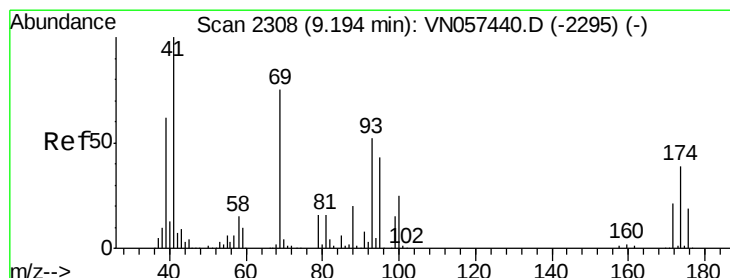
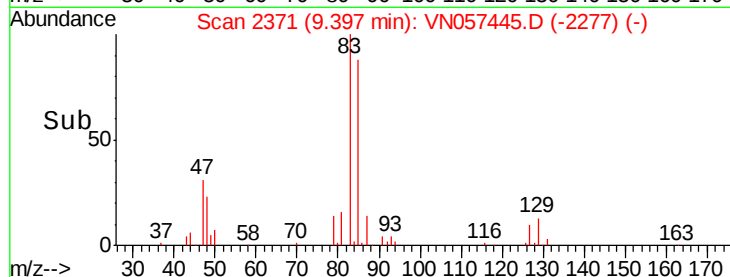
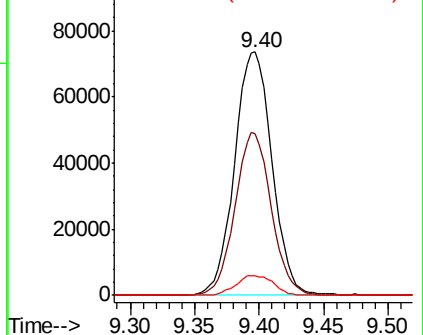
127 7.8 6.6 10.0



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: 19.153 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

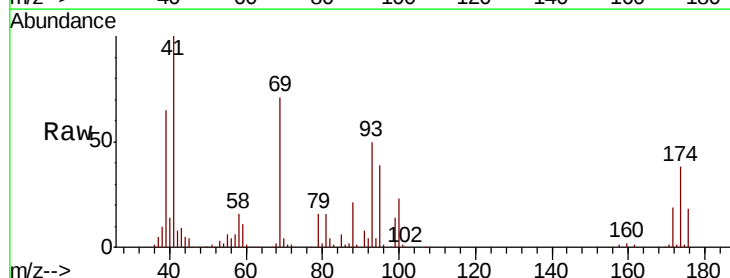
Tgt Ion: 41 Resp: 118810

Ion Ratio Lower Upper

41 100

69 72.3 59.3 88.9

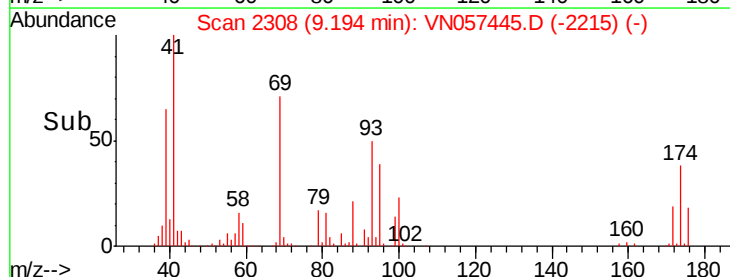
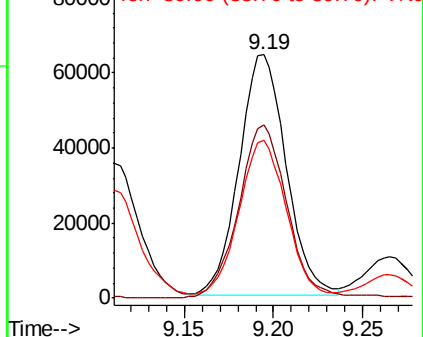
39 65.4 50.6 75.8

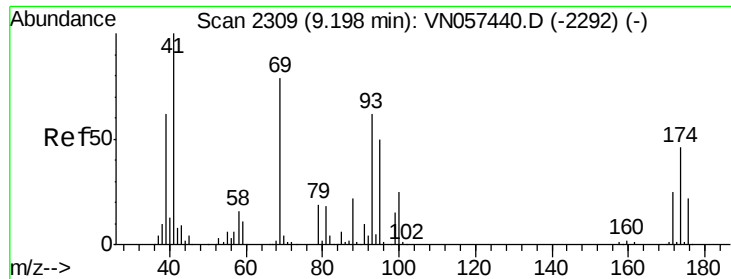


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

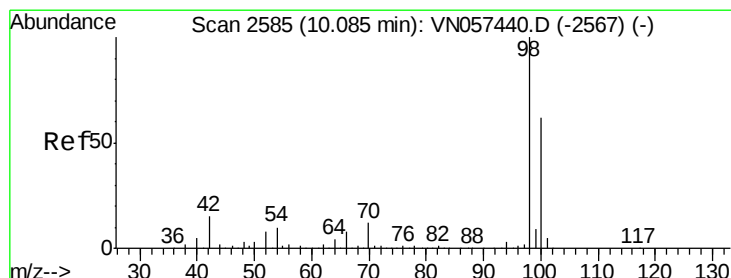
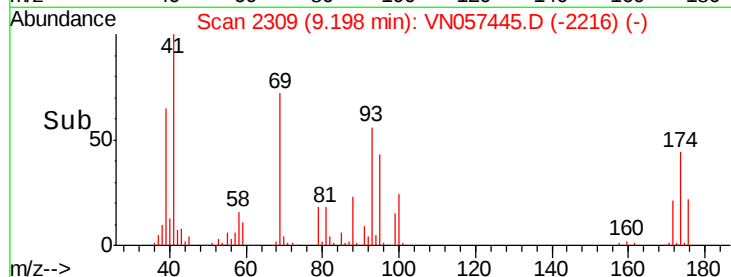
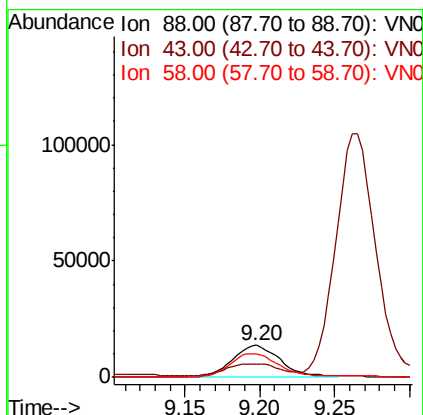
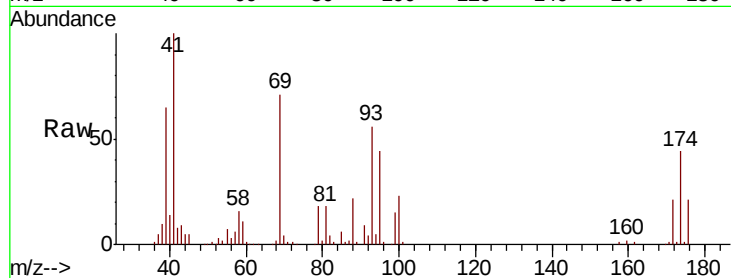




#49
 1,4-Dioxane
 Concen: 384.488 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

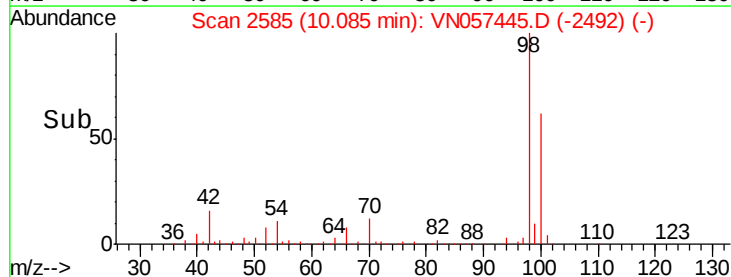
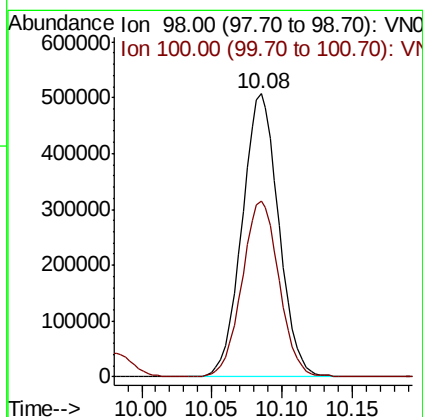
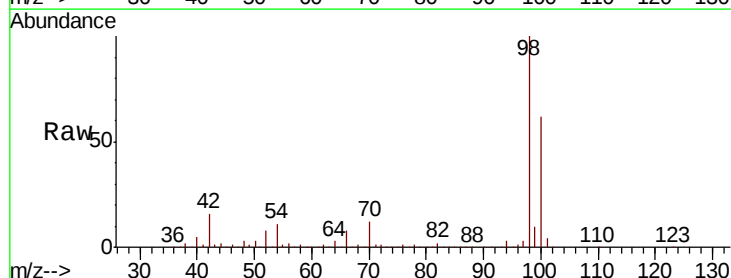
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

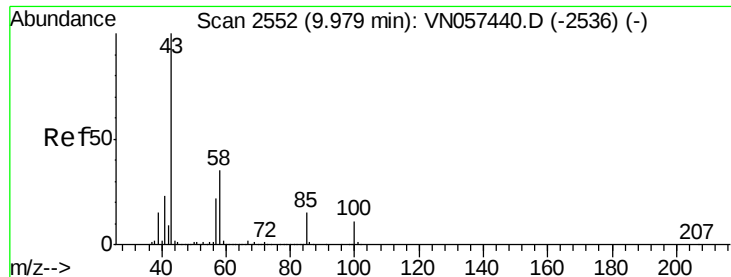
Tgt Ion: 88 Resp: 30842
 Ion Ratio Lower Upper
 88 100
 43 42.7 31.0 46.6
 58 76.6 64.5 96.7



#50
 Toluene-d8
 Concen: 51.214 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion: 98 Resp: 921652
 Ion Ratio Lower Upper
 98 100
 100 62.9 50.4 75.6

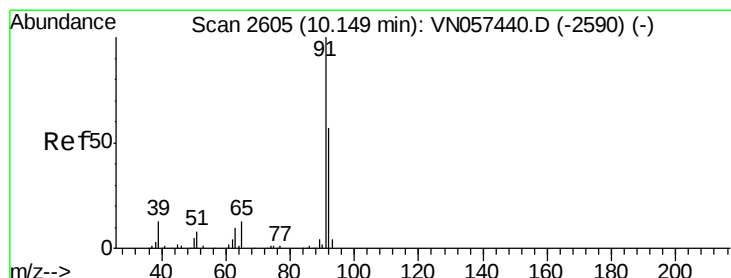
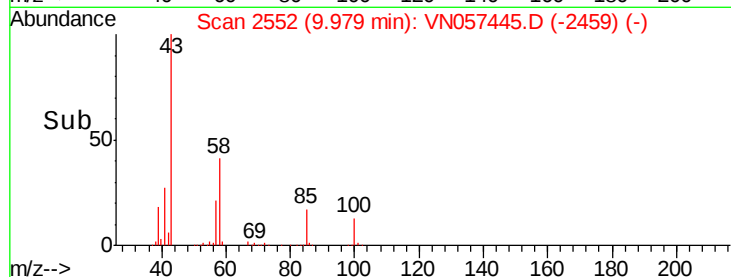
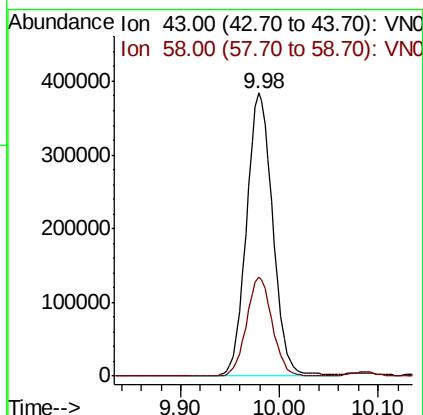
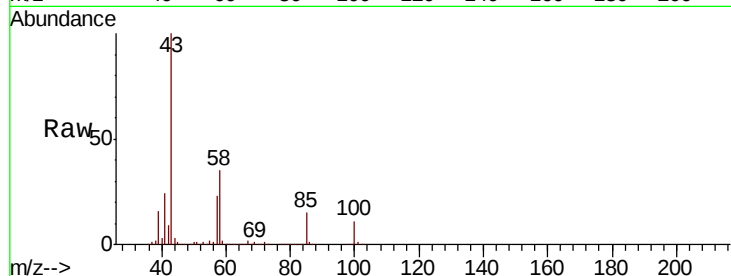




#51
 4-Methyl-2-Pentanone
 Concen: 96.314 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

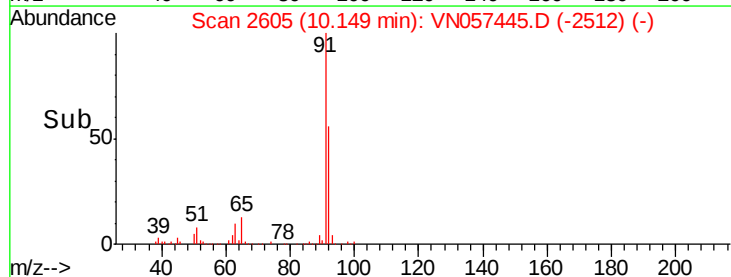
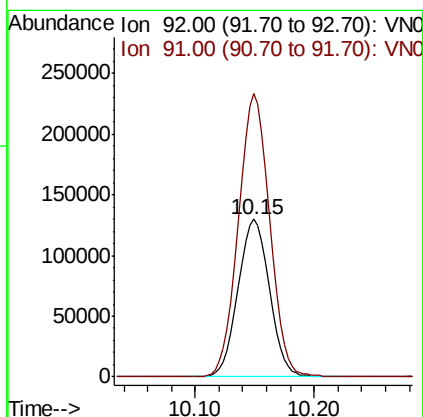
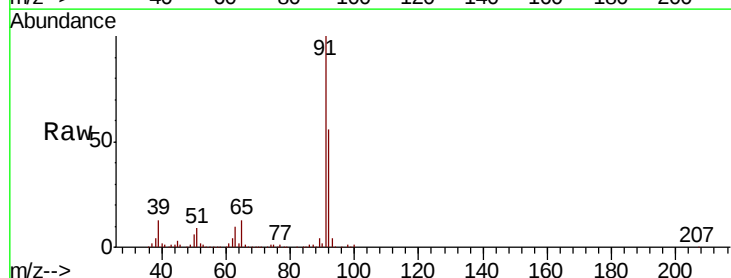
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

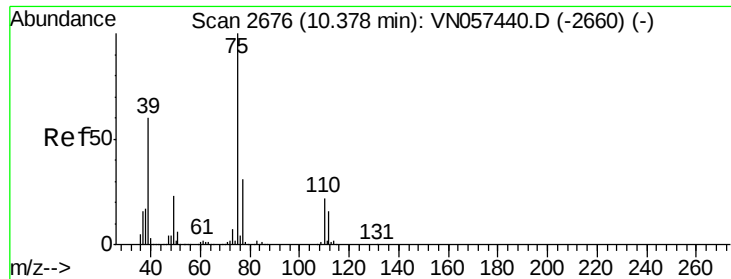
Tgt Ion: 43 Resp: 700219
 Ion Ratio Lower Upper
 43 100
 58 34.6 27.9 41.9



#52
 Toluene
 Concen: 19.155 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion: 92 Resp: 238576
 Ion Ratio Lower Upper
 92 100
 91 178.0 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 17.957 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

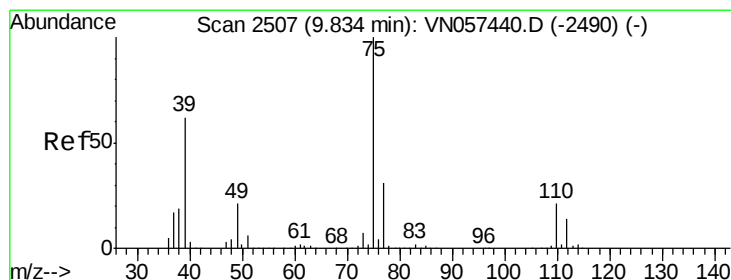
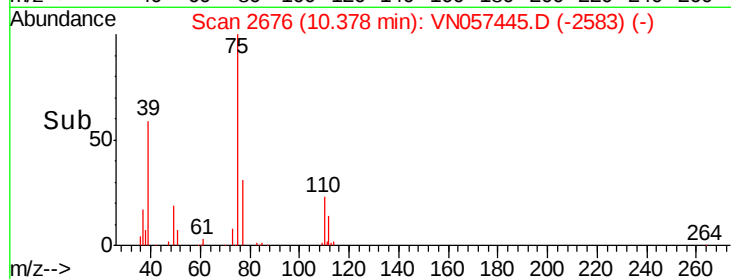
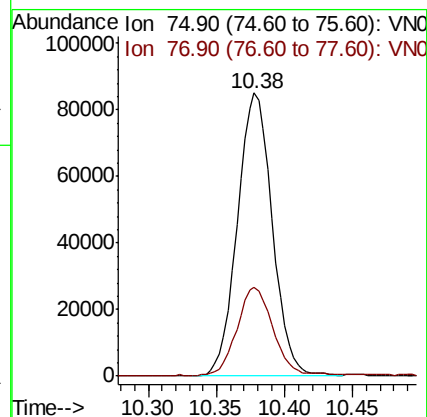
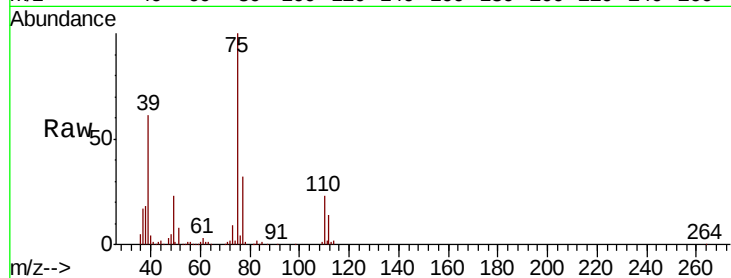
VN0822WBS01

Tgt Ion: 75 Resp: 151021

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 18.243 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

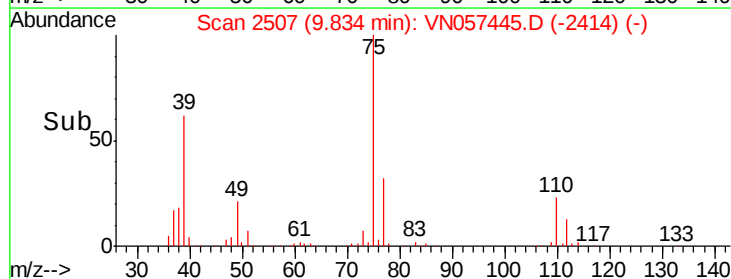
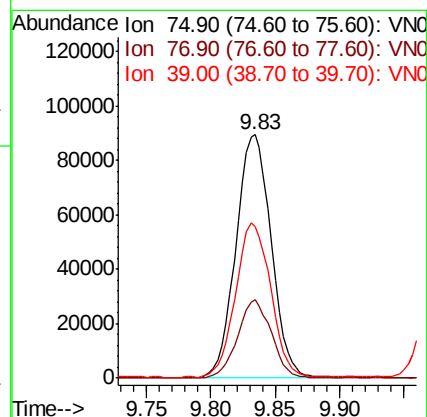
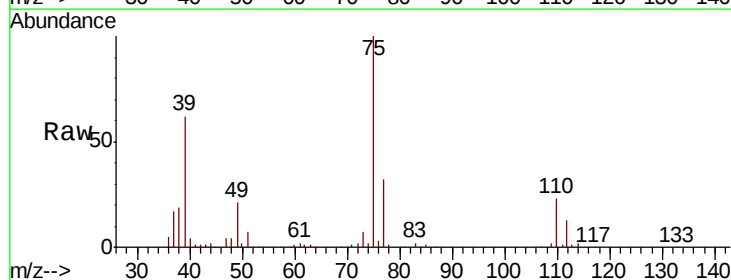
Tgt Ion: 75 Resp: 170828

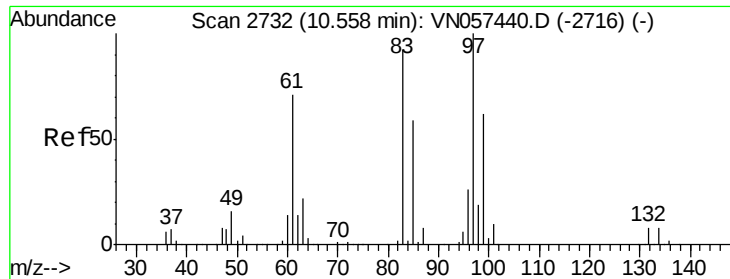
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6

39 61.7 49.2 73.8





#55

1,1,2-Trichloroethane

Concen: 18.733 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

Tgt Ion: 97 Resp: 94351

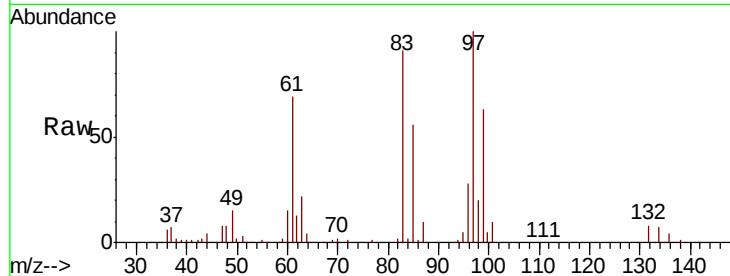
Ion Ratio Lower Upper

97 100

83 91.0 73.7 110.5

85 56.1 46.8 70.2

99 62.7 49.8 74.8

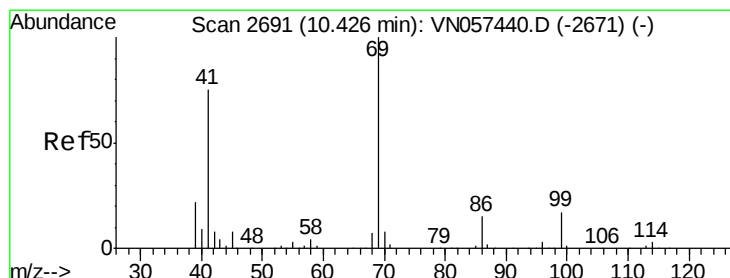
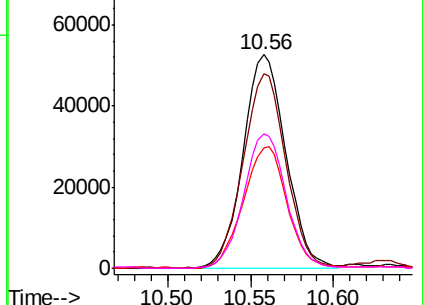
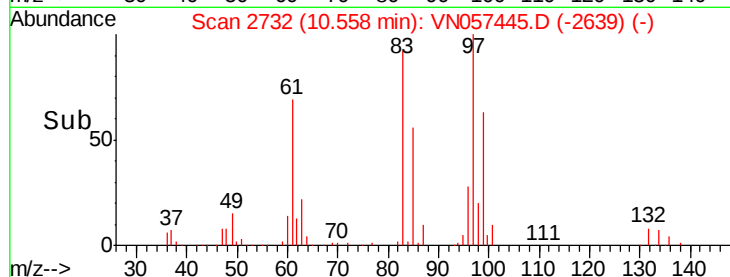


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.028 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

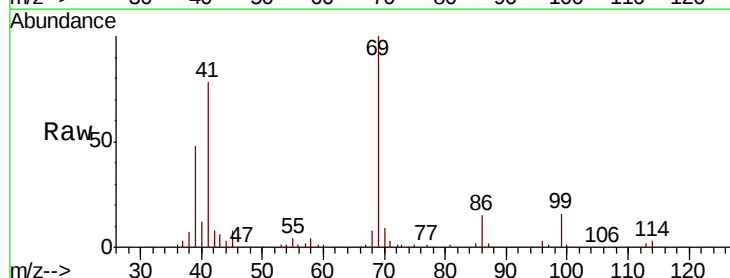
Tgt Ion: 69 Resp: 150760

Ion Ratio Lower Upper

69 100

41 75.8 60.8 91.2

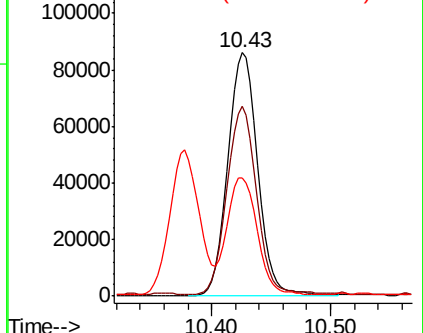
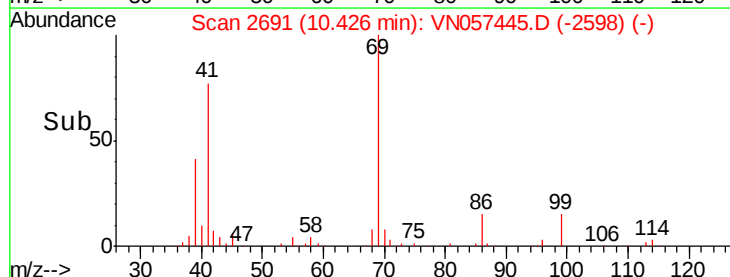
39 47.6 36.5 54.7

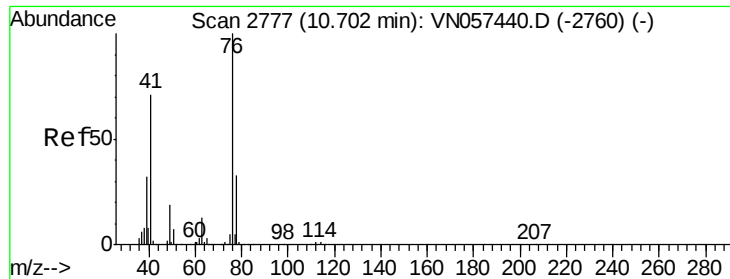


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.508 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampled :

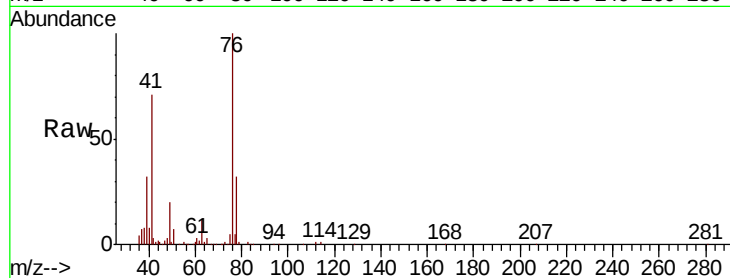
VN0822WBS01

Tgt Ion: 76 Resp: 171004

Ion Ratio Lower Upper

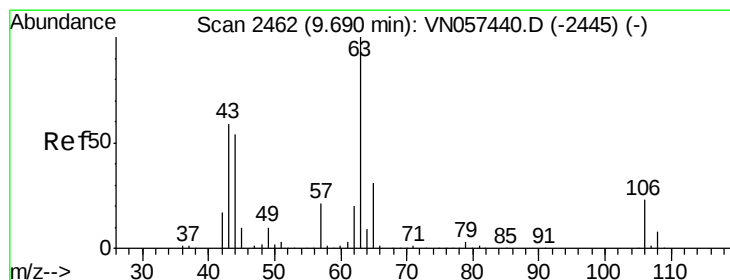
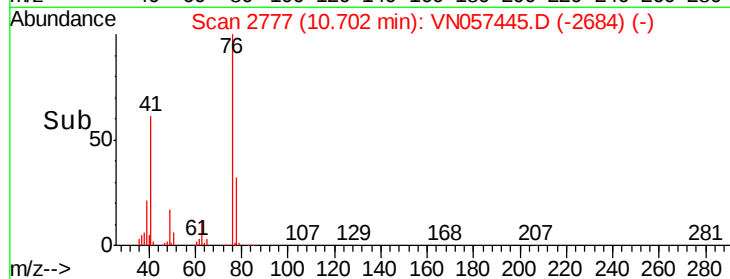
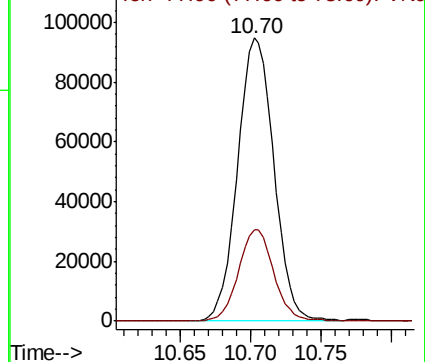
76 100

78 31.5 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: 92.493 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057445.D

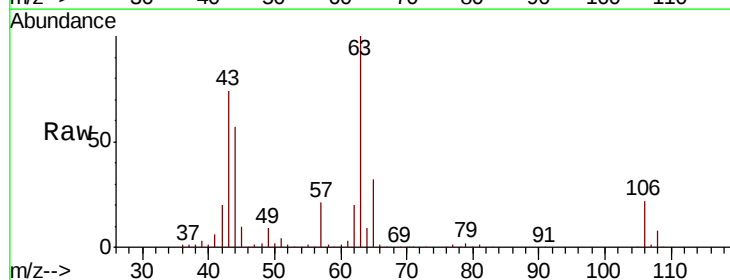
Acq: 22 Aug 2019 20:50

Tgt Ion: 63 Resp: 178638

Ion Ratio Lower Upper

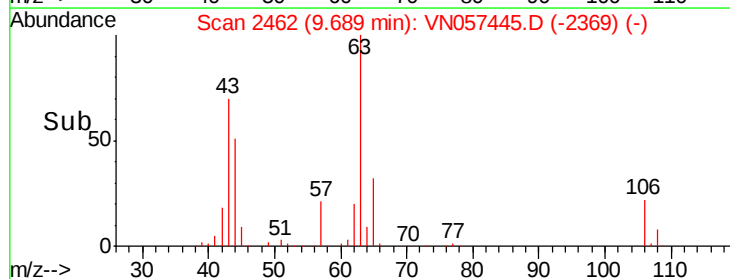
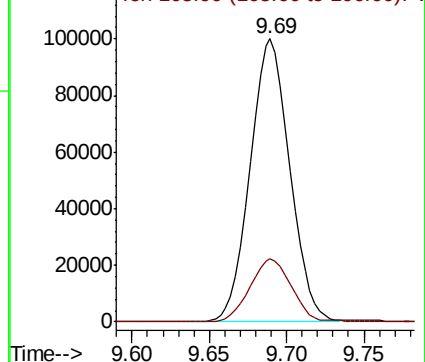
63 100

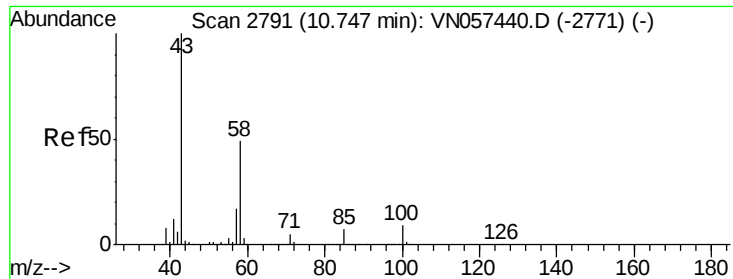
106 23.4 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

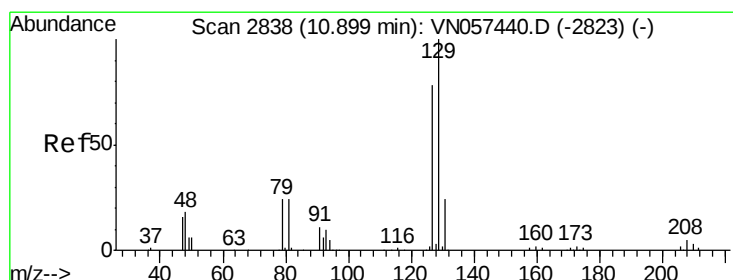
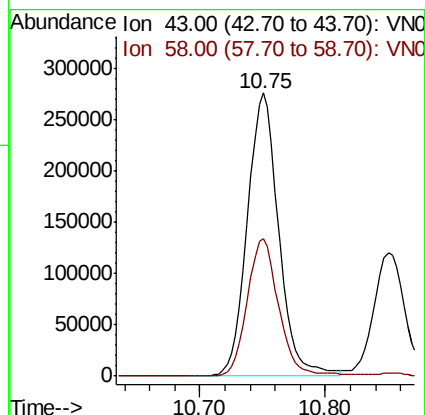
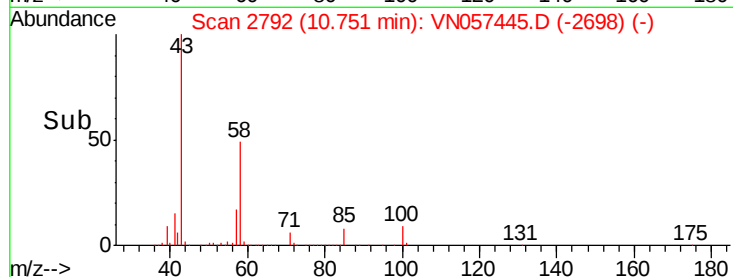
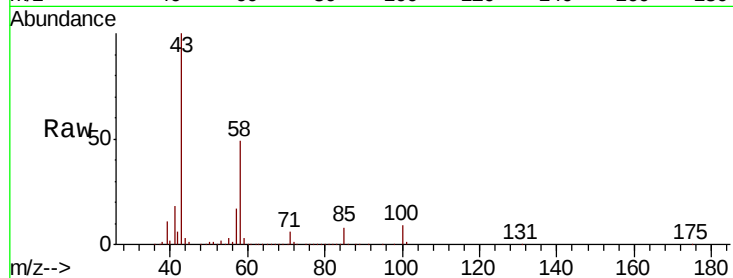




#59
2-Hexanone
Concen: 95.374 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

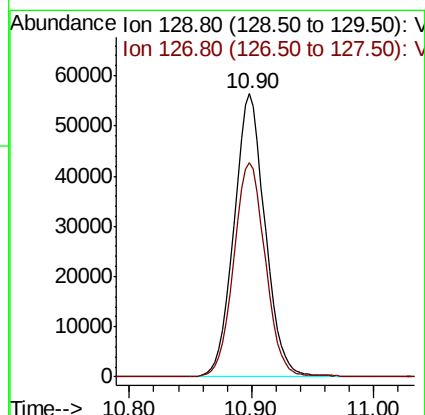
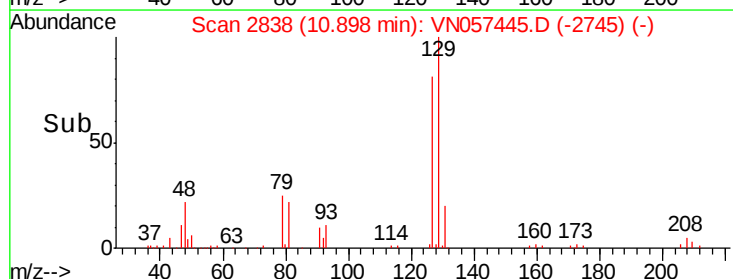
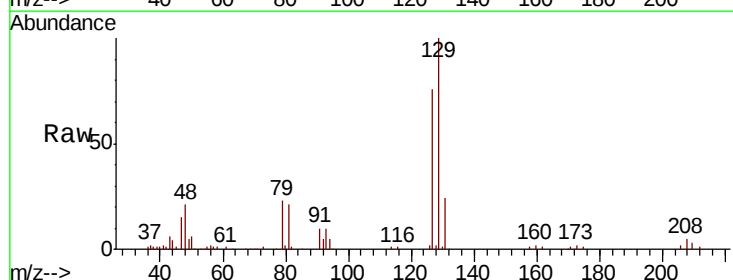
Instrument :
MSVOA_N
ClientSampled :
VN0822WBS01

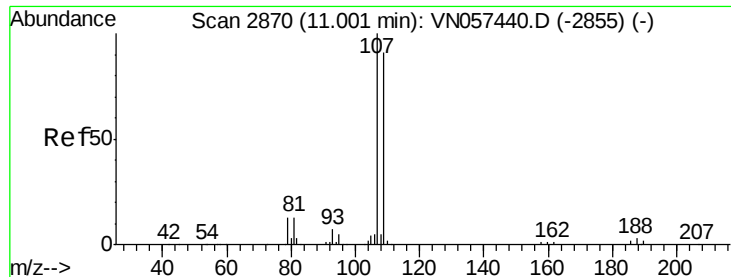
Tgt Ion: 43 Resp: 475581
Ion Ratio Lower Upper
43 100
58 48.3 24.6 73.6



#60
Dibromochloromethane
Concen: 18.771 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 129 Resp: 99912
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.106 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

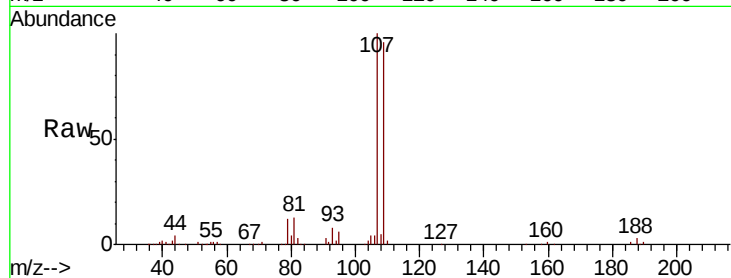
VN0822WBS01

Tgt Ion: 107 Resp: 94386

Ion Ratio Lower Upper

107 100

109 93.9 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

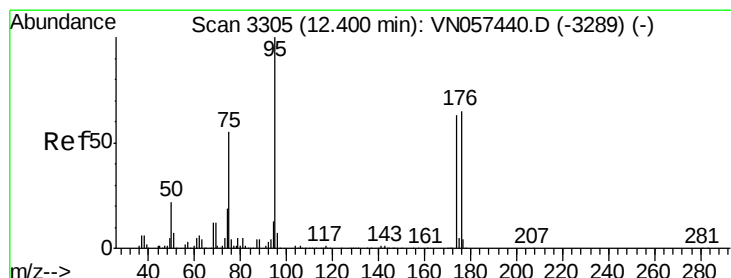
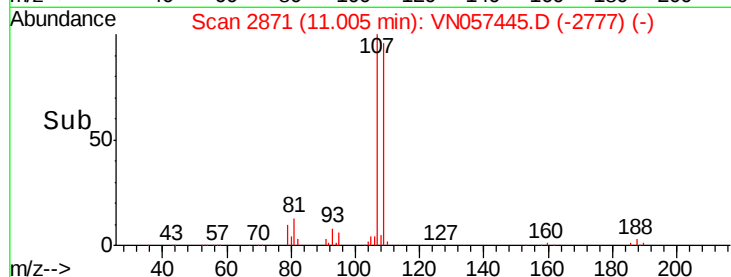
20000

10000

0

11.00

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.472 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

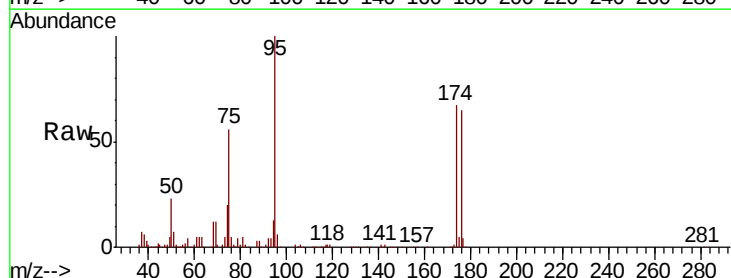
Tgt Ion: 95 Resp: 289515

Ion Ratio Lower Upper

95 100

174 66.0 0.0 133.0

176 64.2 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

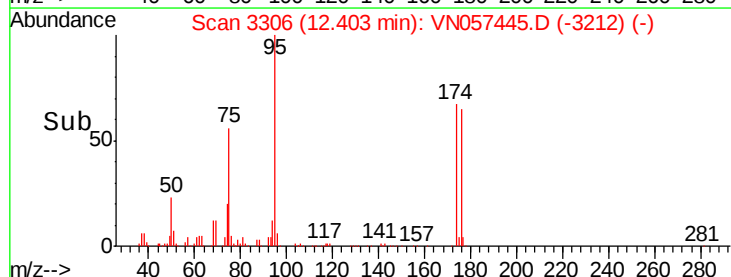
100000

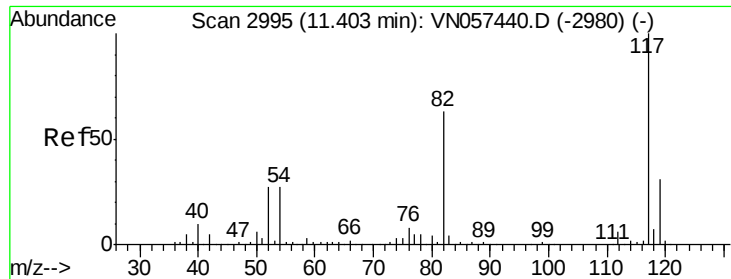
50000

0

12.40

Time--> 12.30 12.40 12.50

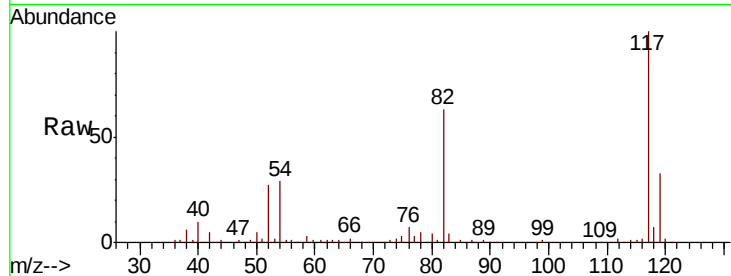




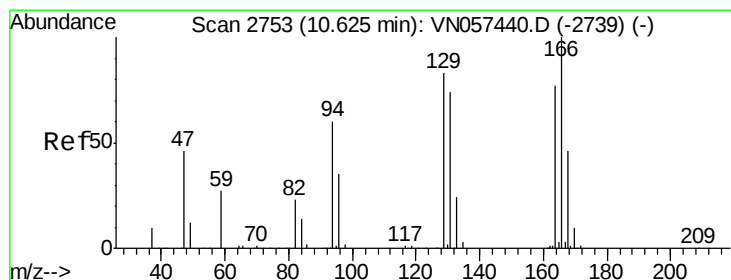
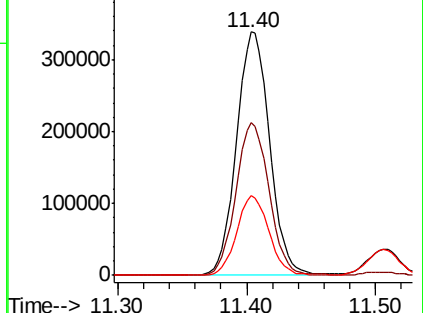
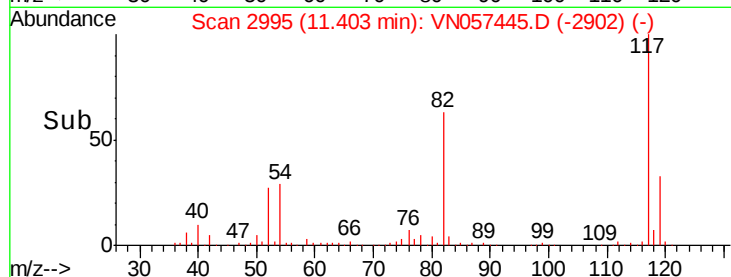
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

Tgt Ion:117 Resp: 606341
Ion Ratio Lower Upper
117 100
82 62.6 50.6 75.8
119 32.6 24.6 36.8

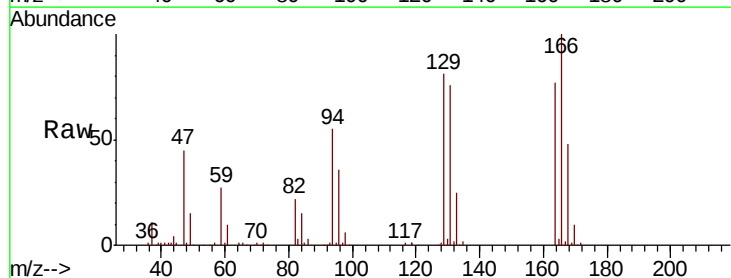


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

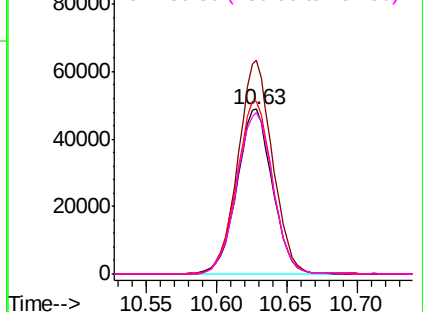
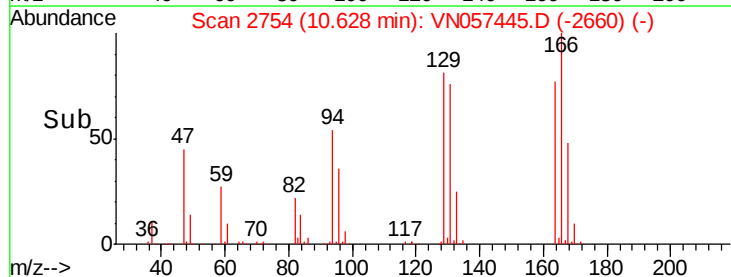


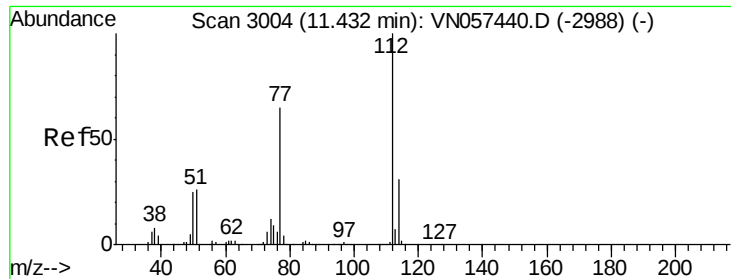
#64
Tetrachloroethene
Concen: 20.203 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion:164 Resp: 85703
Ion Ratio Lower Upper
164 100
166 129.5 104.4 156.6
129 104.2 86.6 130.0
131 98.0 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

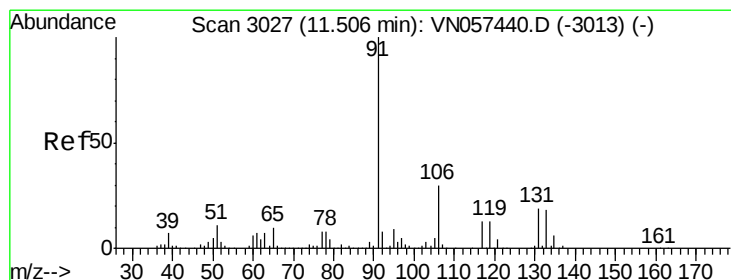
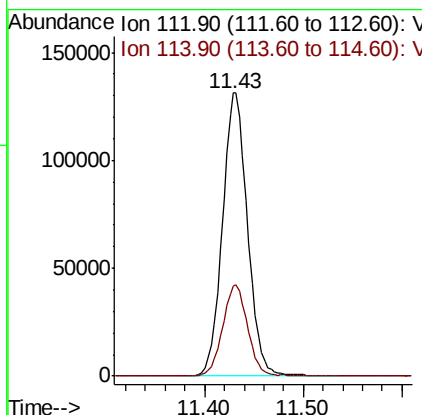
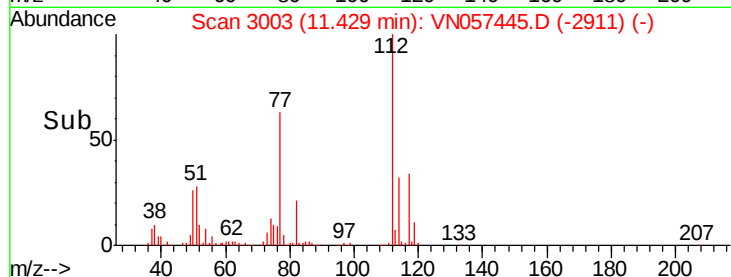
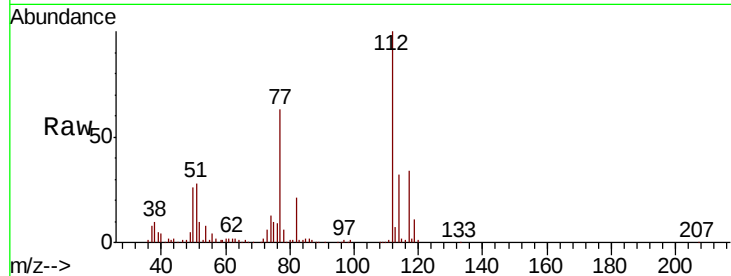




#65
Chlorobenzene
Concen: 19.106 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

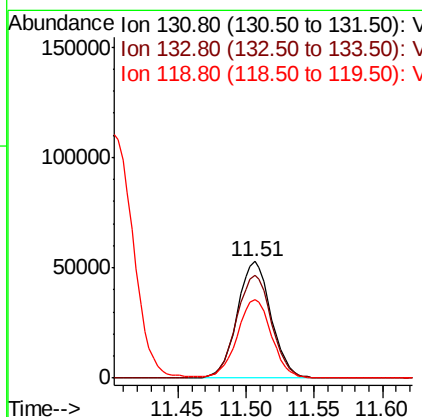
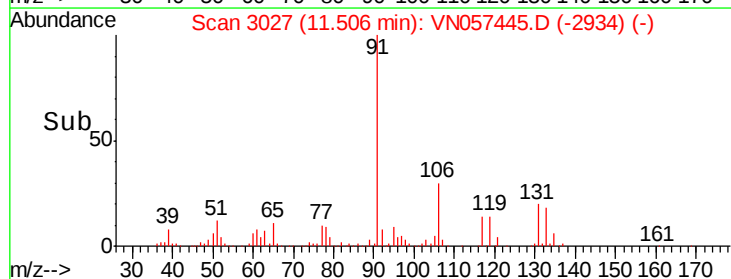
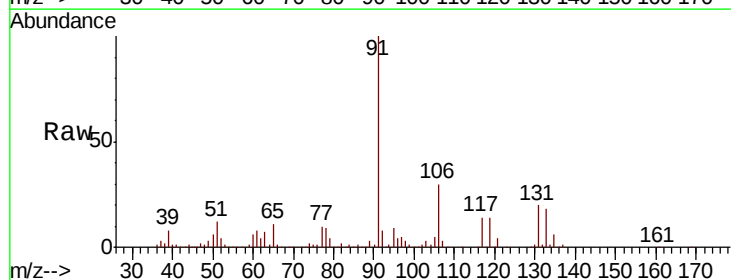
Instrument :
MSVOA_N
ClientSampled :
VN0822WBS01

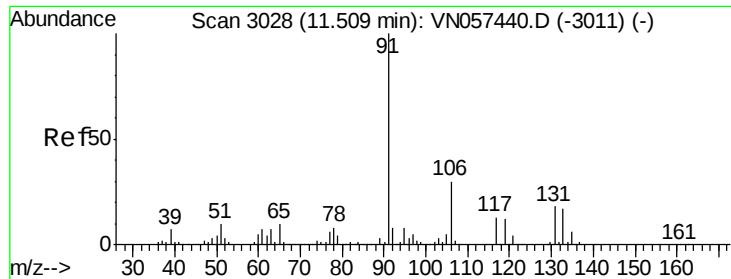
Tgt Ion:112 Resp: 234179
Ion Ratio Lower Upper
112 100
114 32.0 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.445 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion:131 Resp: 91407
Ion Ratio Lower Upper
131 100
133 90.9 47.6 142.8
119 68.4 34.4 103.2

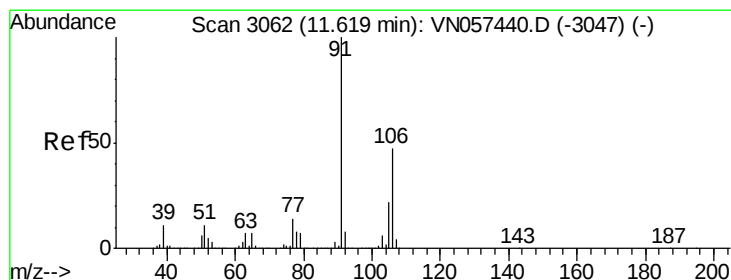
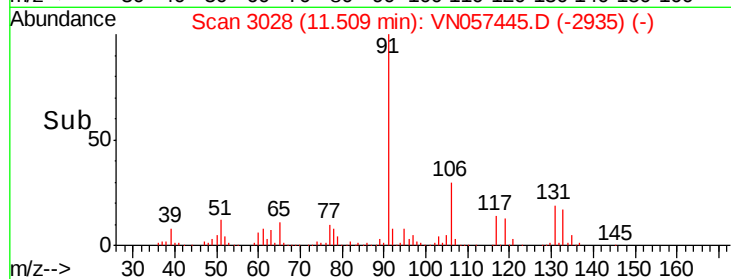
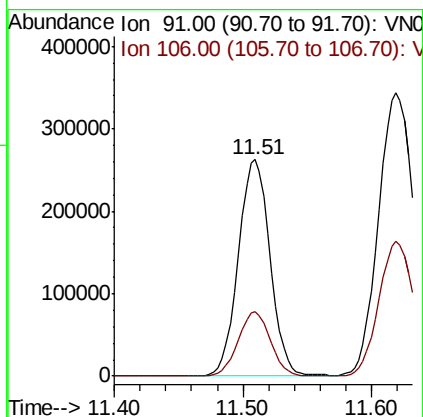
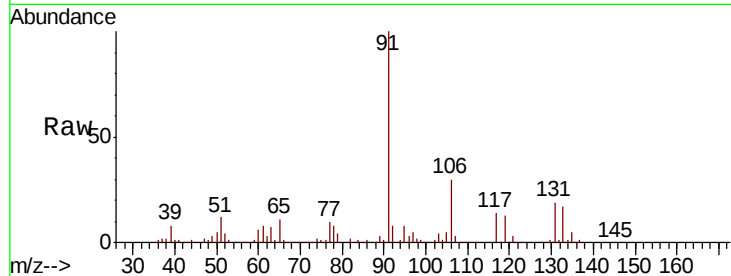




#67
Ethyl Benzene
Concen: 18.993 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

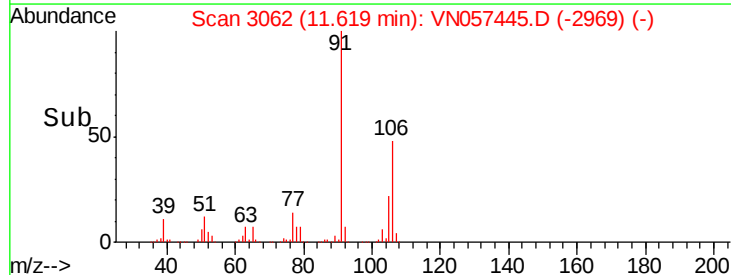
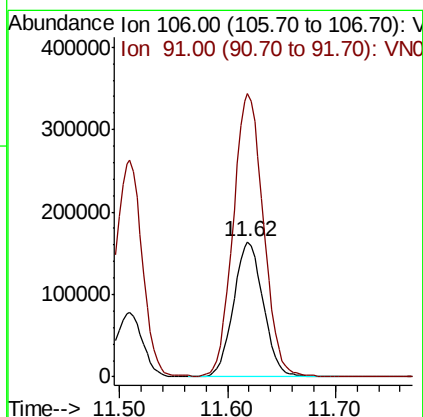
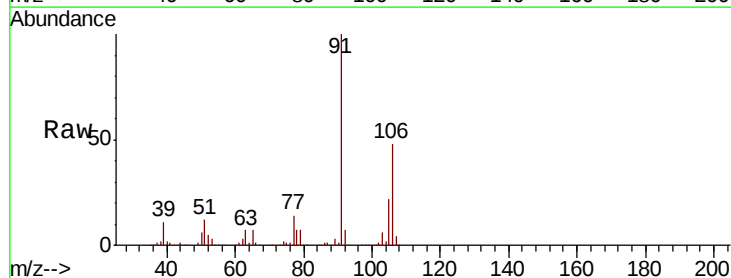
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

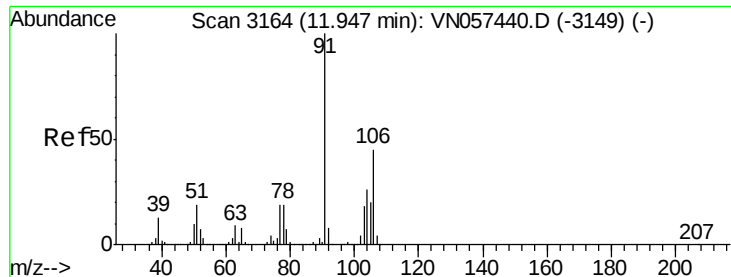
Tgt Ion: 91 Resp: 450592
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1



#68
m/p-Xylenes
Concen: 39.055 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 106 Resp: 315106
Ion Ratio Lower Upper
106 100
91 212.8 171.8 257.6

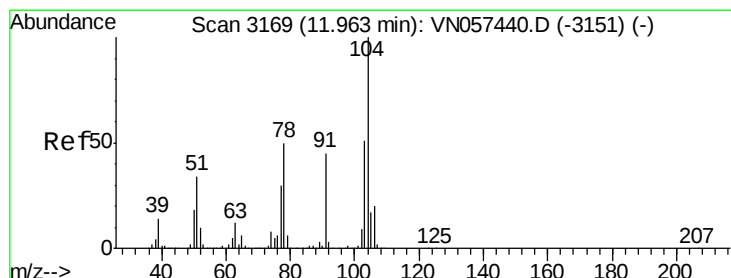
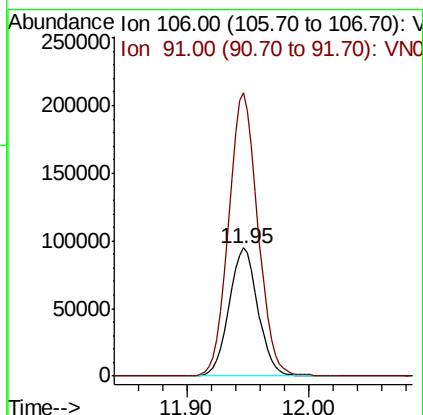
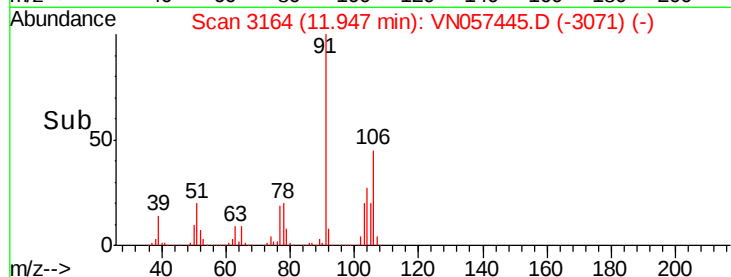
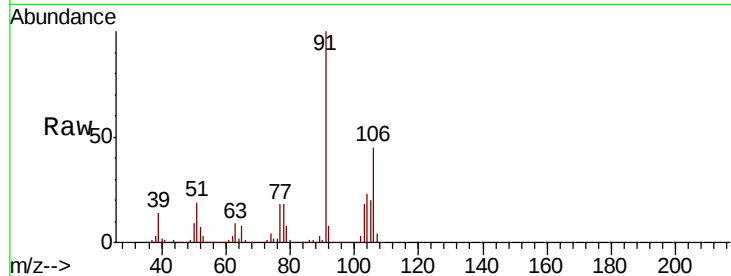




#69
o-Xylene
Concen: 19.632 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

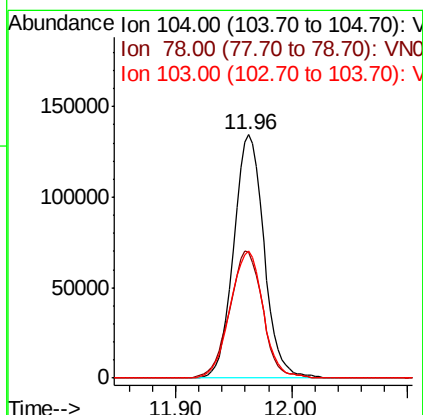
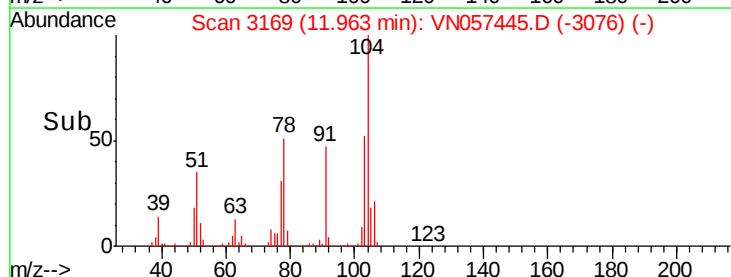
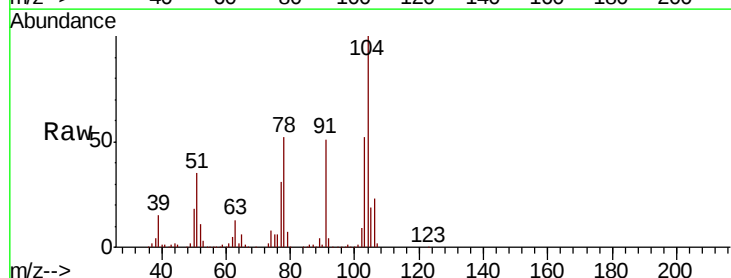
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

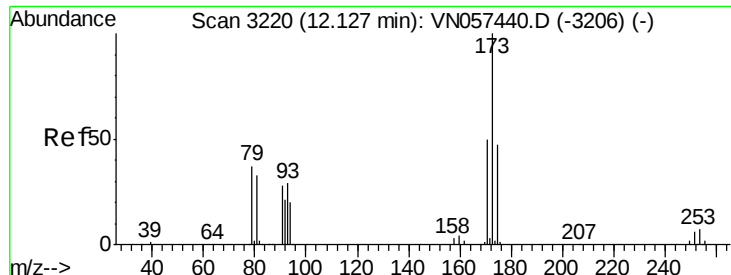
Tgt Ion:106 Resp: 156908
Ion Ratio Lower Upper
106 100
91 223.1 112.3 336.9



#70
Styrene
Concen: 19.206 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion:104 Resp: 243069
Ion Ratio Lower Upper
104 100
78 57.0 44.7 67.1
103 56.9 44.4 66.6





#71

Bromoform

Concen: 18.706 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

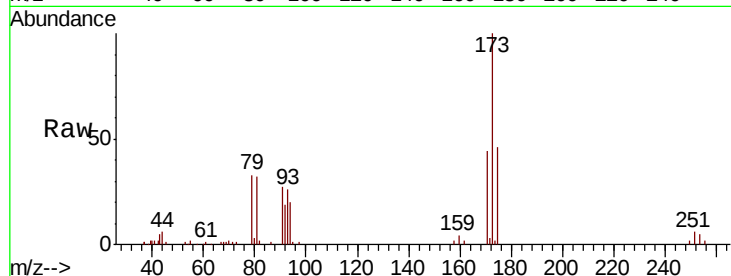
Tgt Ion:173 Resp: 59441

Ion Ratio Lower Upper

173 100

175 49.3 23.9 71.8

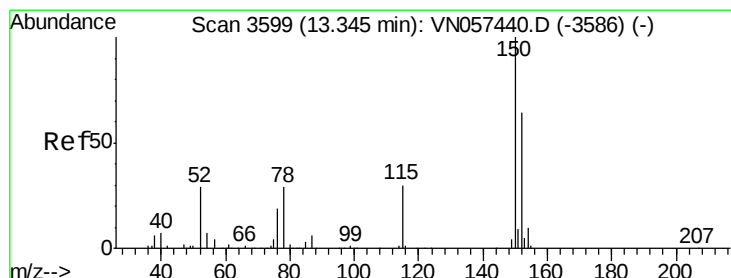
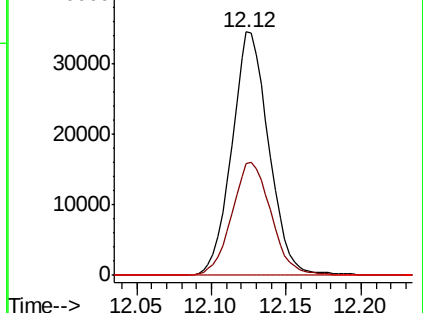
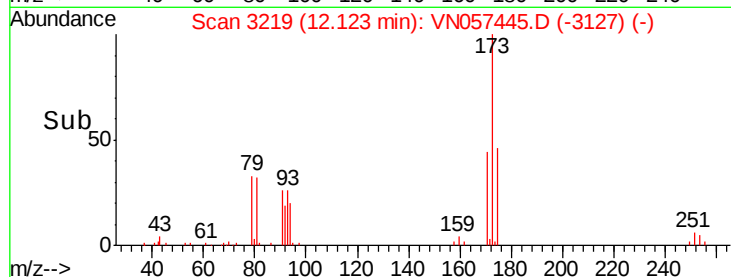
254 0.0 0.1 0.1#



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# 3599

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

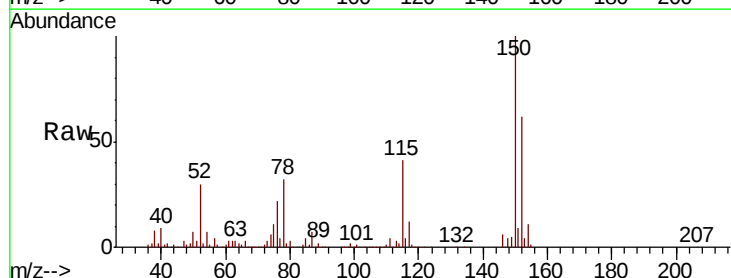
Tgt Ion:152 Resp: 192174

Ion Ratio Lower Upper

152 100

115 65.2 32.0 96.0

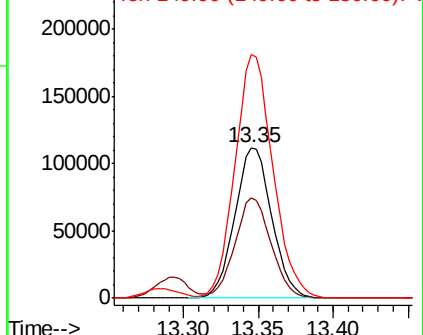
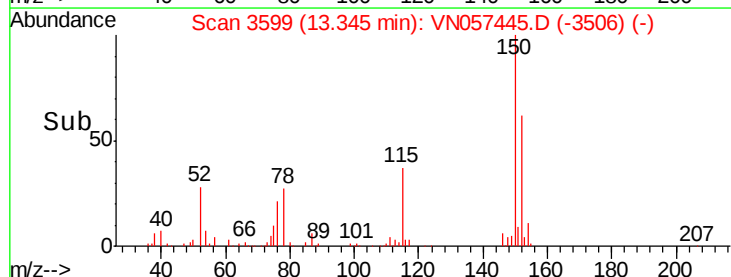
150 166.1 0.0 346.6

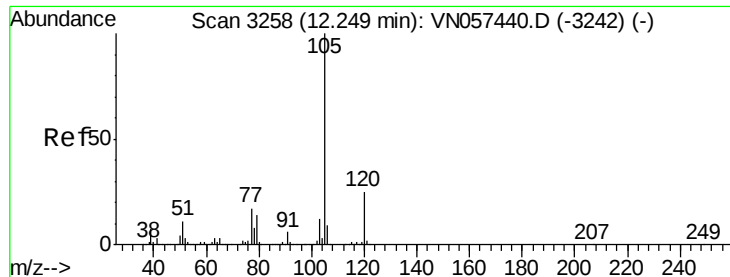


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.116 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

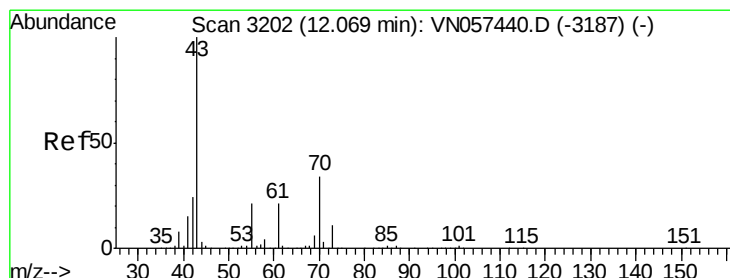
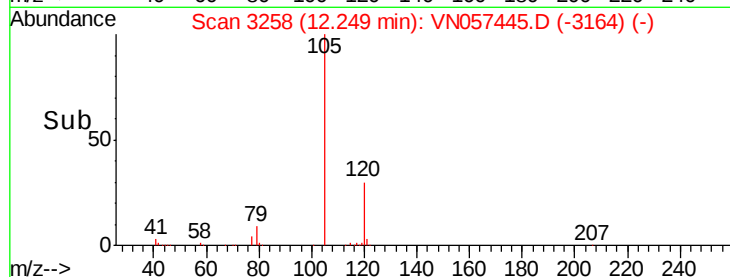
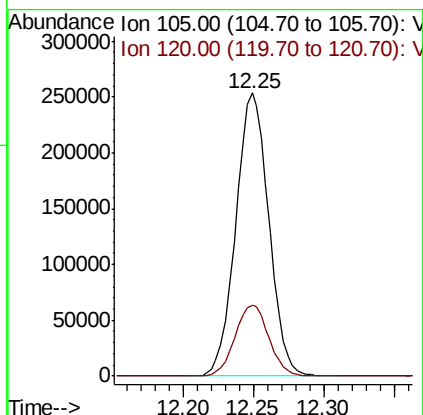
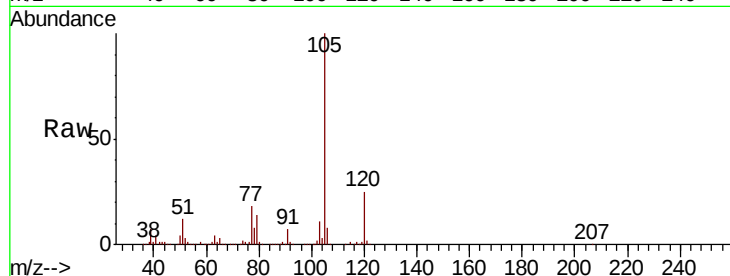
VN0822WBS01

Tgt Ion:105 Resp: 414721

Ion Ratio Lower Upper

105 100

120 25.8 12.7 38.0



#74

N-ethyl acetate

Concen: 22.444 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Tgt Ion: 43 Resp: 195197

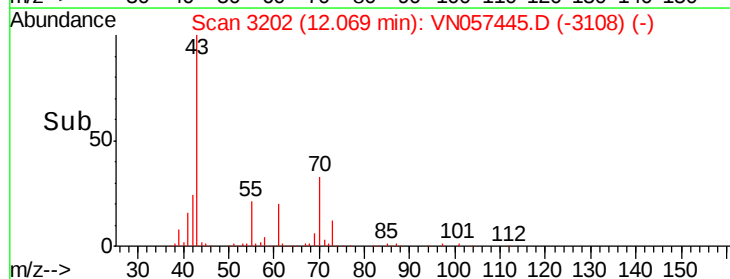
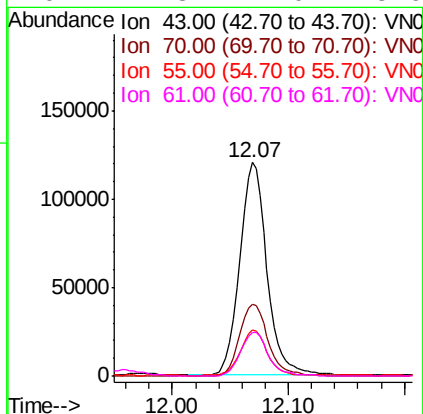
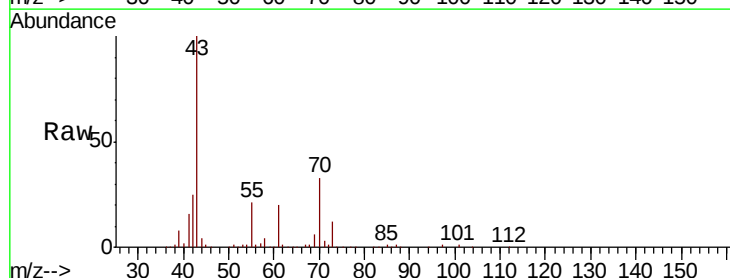
Ion Ratio Lower Upper

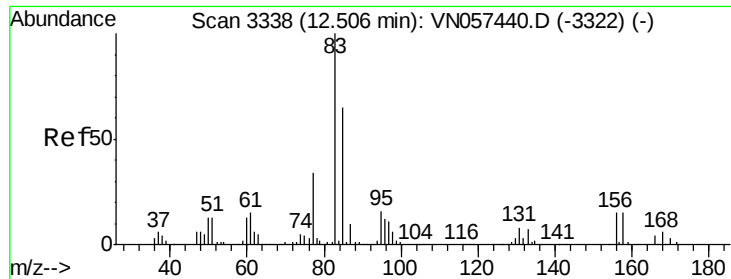
43 100

70 35.4 27.8 41.6

55 20.8 17.0 25.4

61 21.3 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.393 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

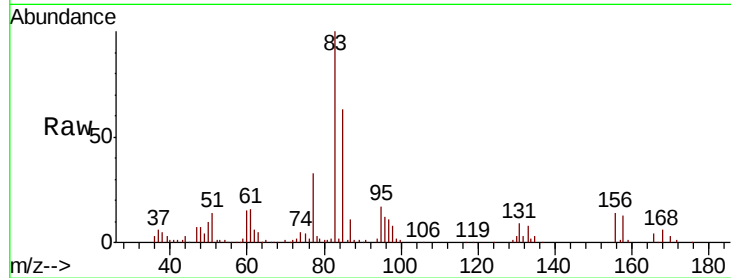
Tgt Ion: 83 Resp: 120401

Ion Ratio Lower Upper

83 100

131 8.7 4.3 13.1

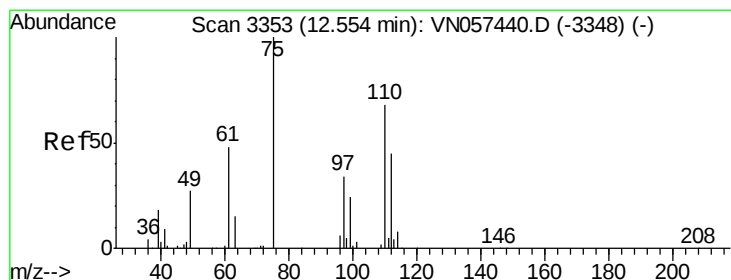
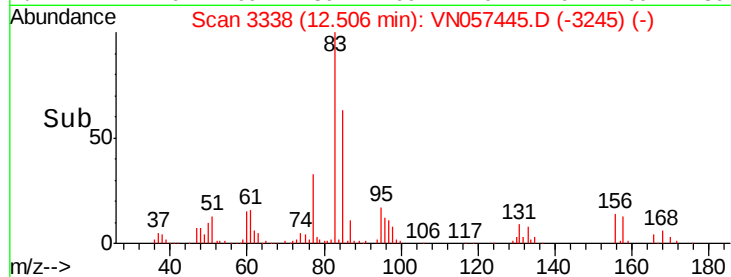
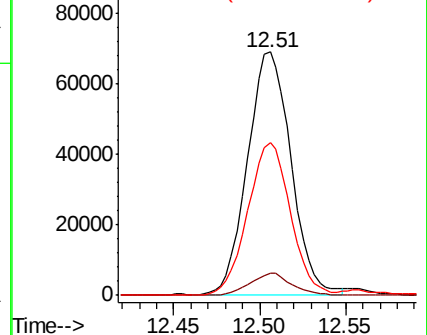
85 61.9 32.3 96.8



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: 35.902 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057445.D

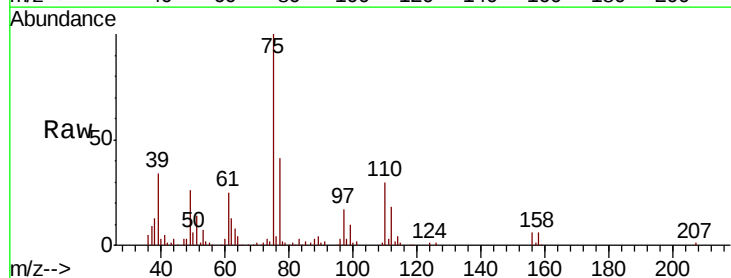
Acq: 22 Aug 2019 20:50

Tgt Ion: 75 Resp: 157196

Ion Ratio Lower Upper

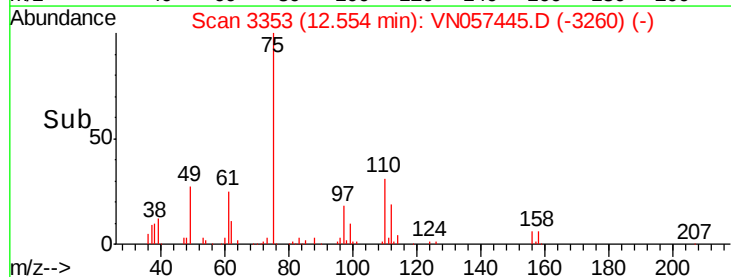
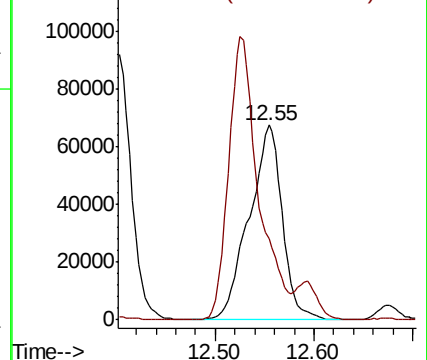
75 100

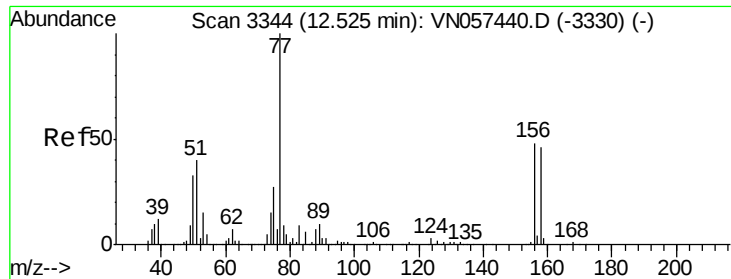
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 22.549 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

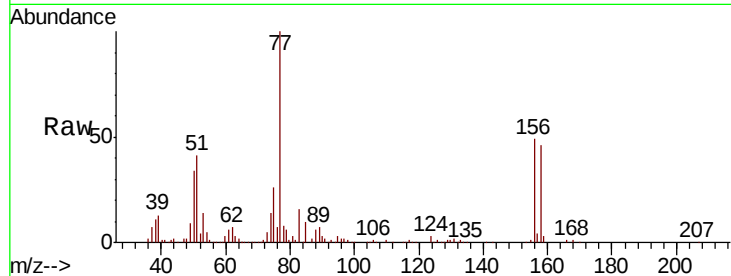
Tgt Ion:156 Resp: 85396

Ion Ratio Lower Upper

156 100

77 244.4 124.4 373.3

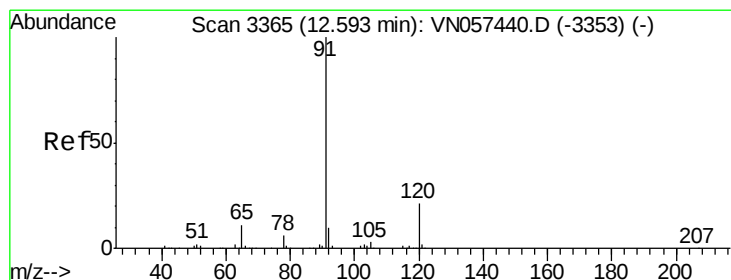
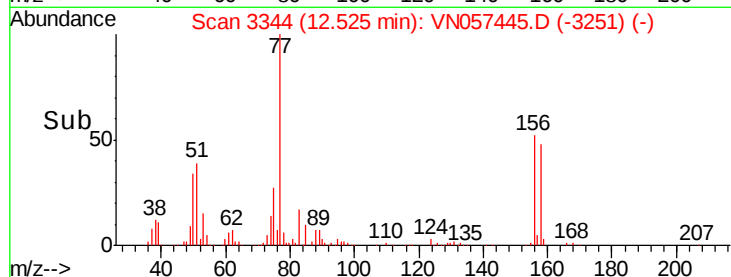
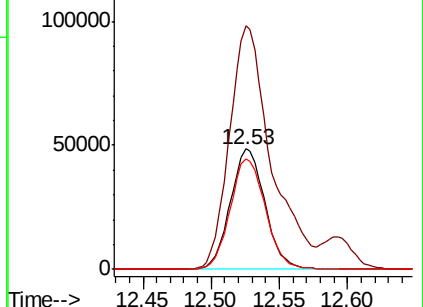
158 93.8 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.370 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057445.D

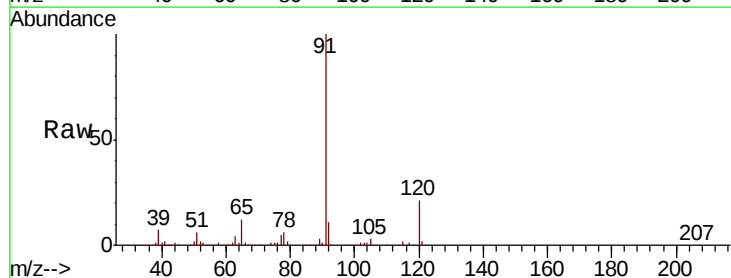
Acq: 22 Aug 2019 20:50

Tgt Ion: 91 Resp: 445370

Ion Ratio Lower Upper

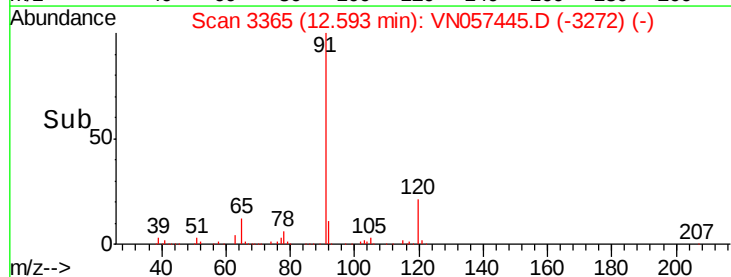
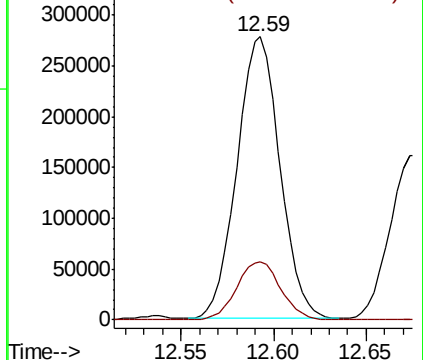
91 100

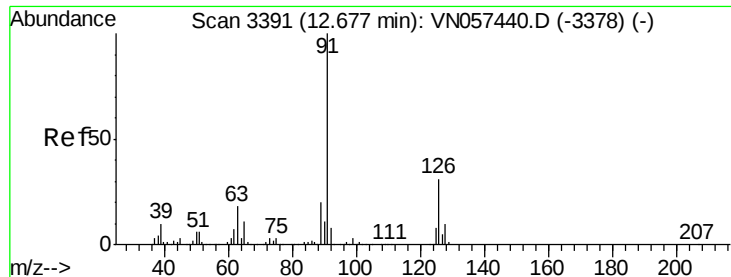
120 21.3 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.947 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

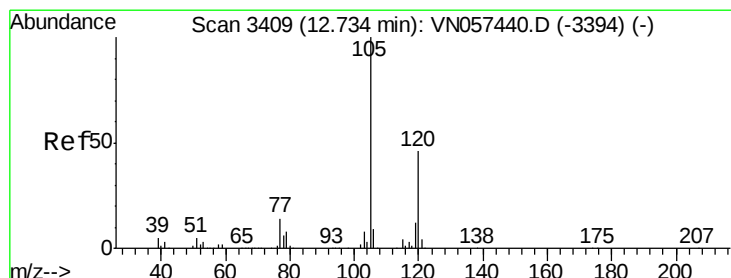
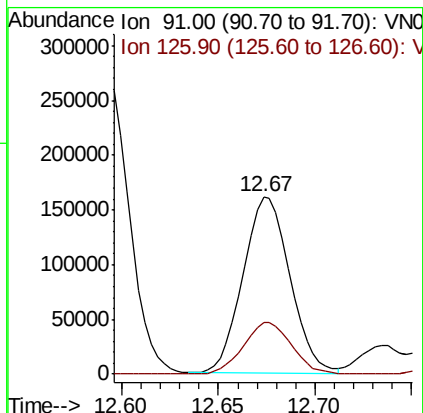
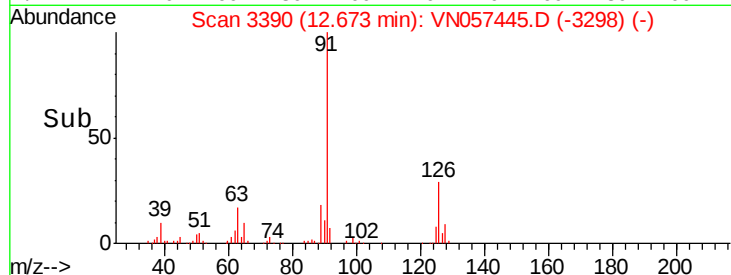
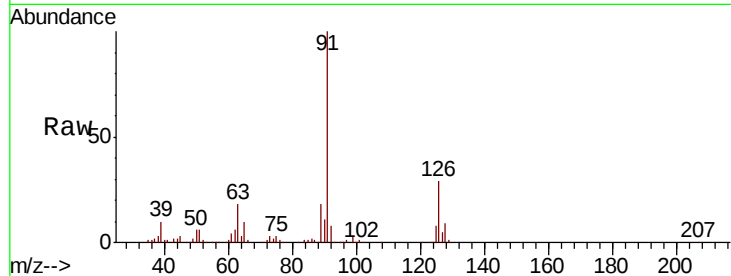
VN0822WBS01

Tgt Ion: 91 Resp: 272149

Ion Ratio Lower Upper

91 100

126 30.1 15.3 45.8



#80

1,3,5-Trimethylbenzene

Concen: 21.855 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057445.D

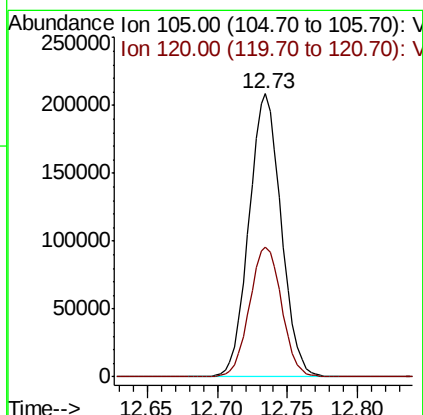
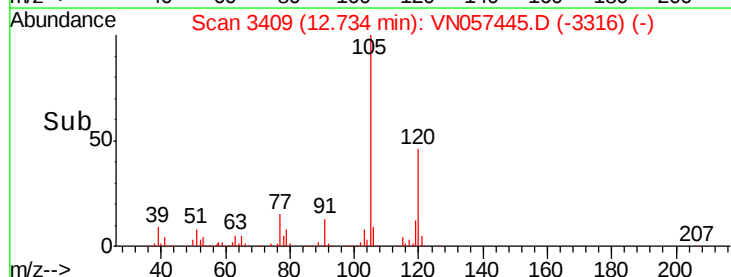
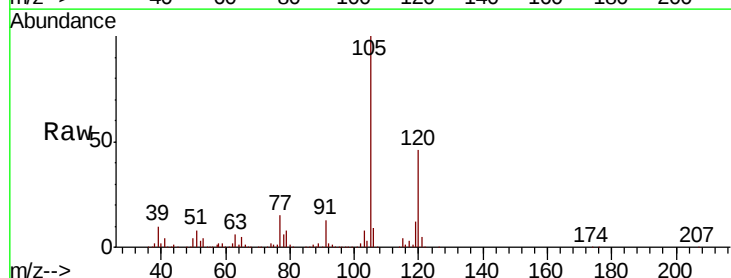
Acq: 22 Aug 2019 20:50

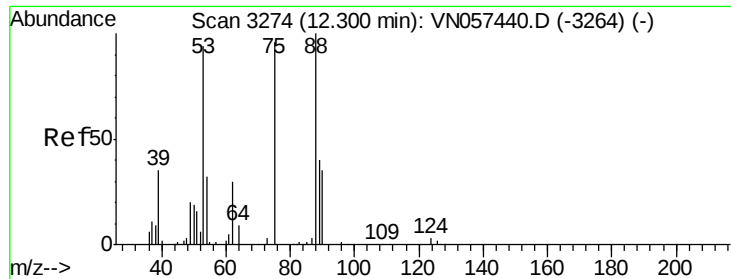
Tgt Ion: 105 Resp: 333271

Ion Ratio Lower Upper

105 100

120 45.9 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.005 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

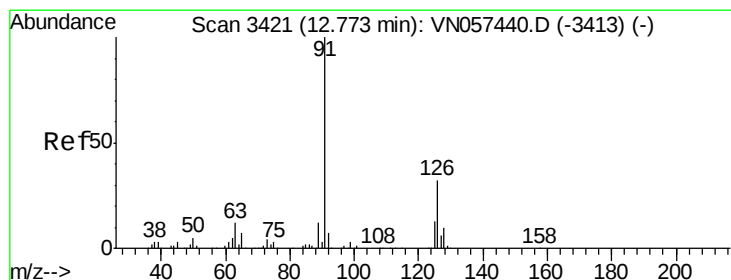
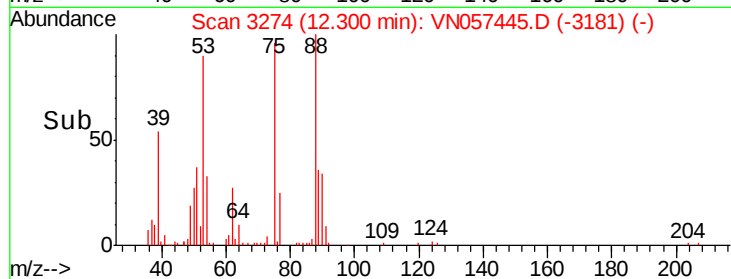
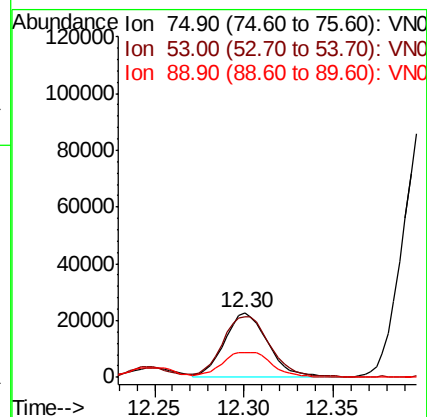
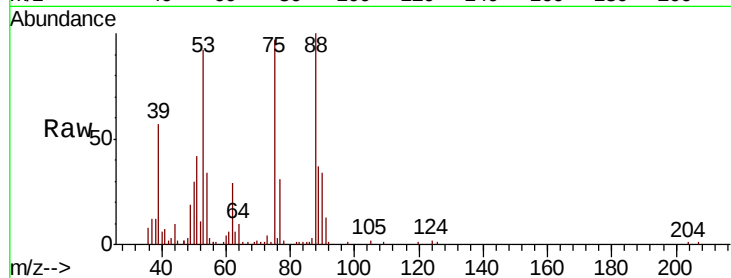
Tgt Ion: 75 Resp: 37806

Ion Ratio Lower Upper

75 100

53 103.4 82.7 124.1

89 45.6 35.8 53.8



#82

4-Chlorotoluene

Concen: 21.226 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057445.D

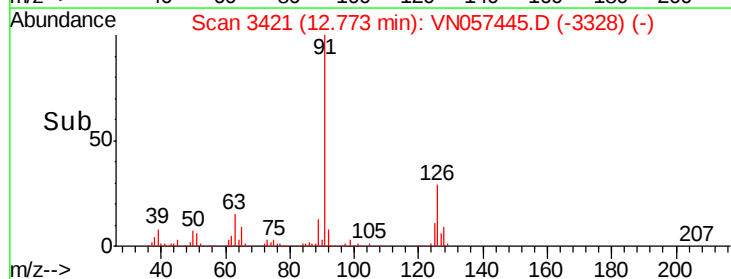
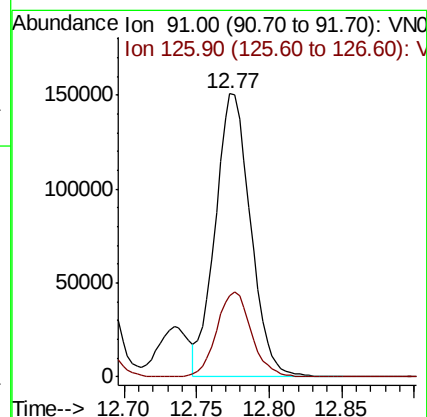
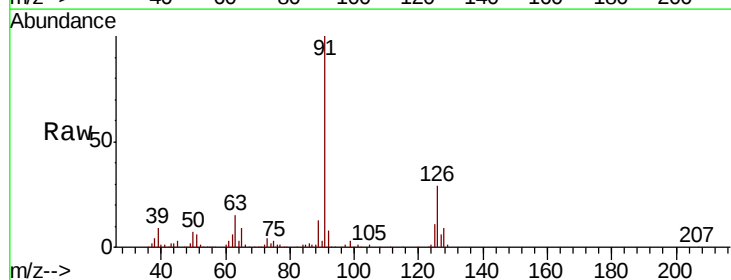
Acq: 22 Aug 2019 20:50

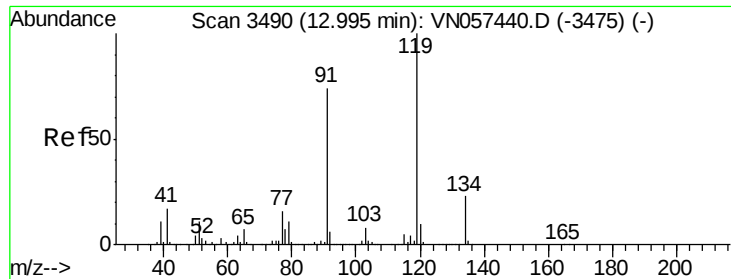
Tgt Ion: 91 Resp: 255505

Ion Ratio Lower Upper

91 100

126 29.6 15.0 45.0

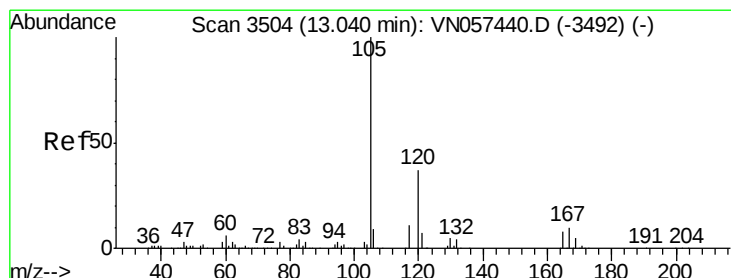
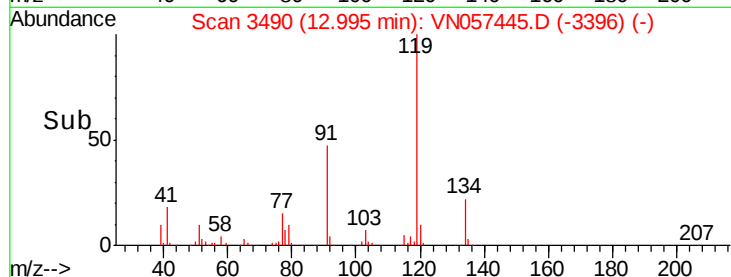
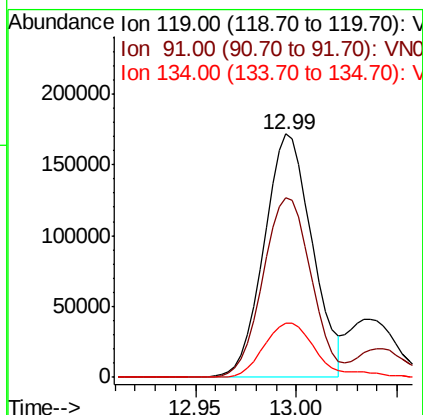
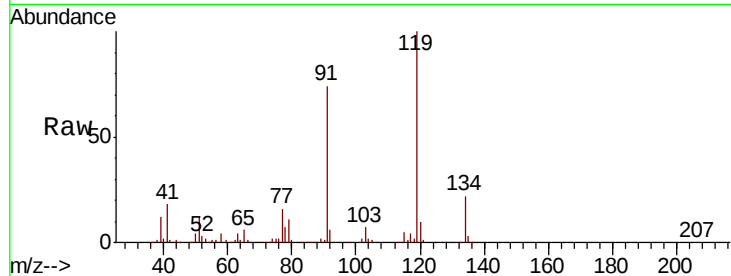




#83
 tert-Butylbenzene
 Concen: 21.964 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

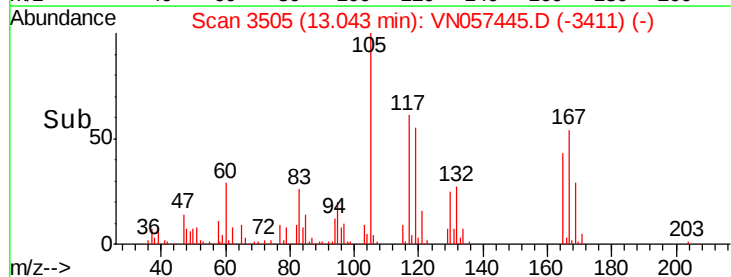
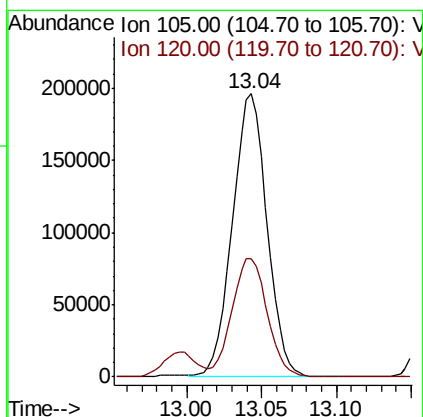
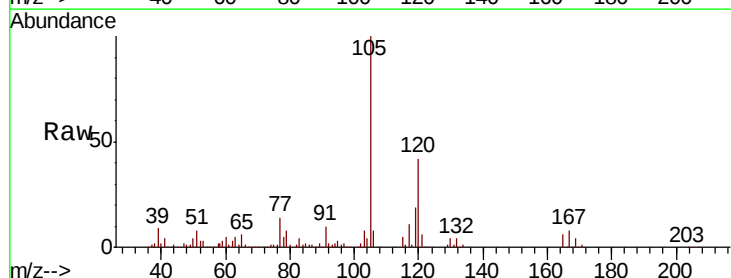
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

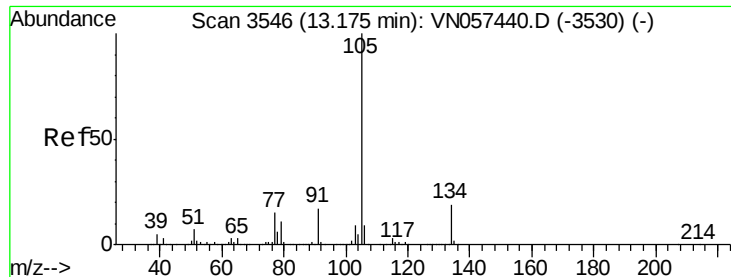
Tgt Ion:119 Resp: 284152
 Ion Ratio Lower Upper
 119 100
 91 74.6 37.0 111.0
 134 24.7 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.095 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion:105 Resp: 315164
 Ion Ratio Lower Upper
 105 100
 120 42.7 21.9 65.7

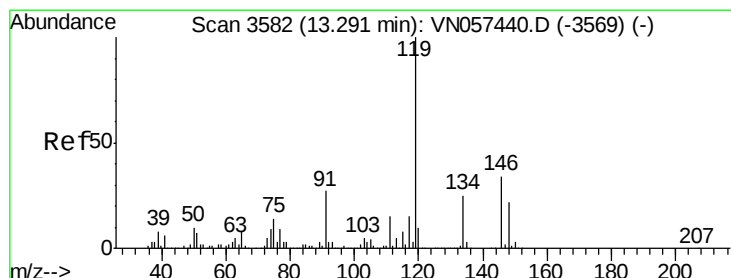
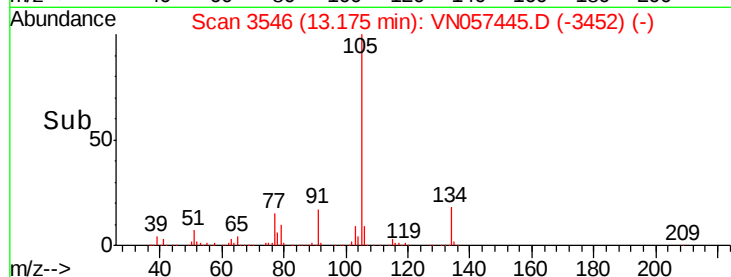
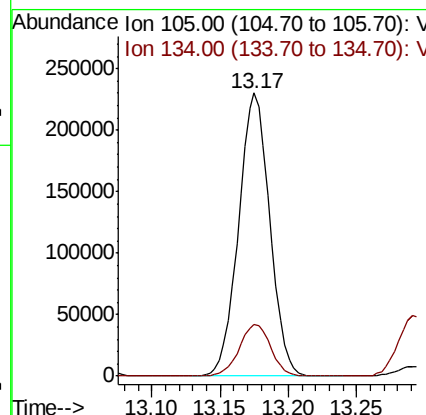
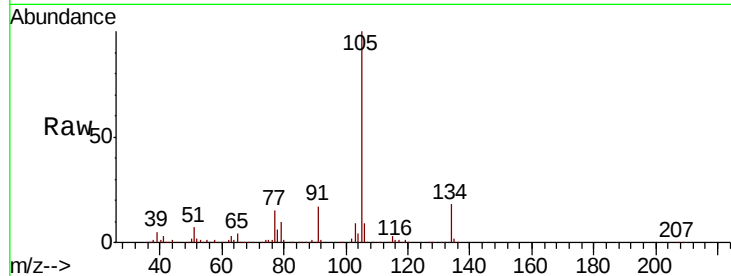




#85
 sec-Butylbenzene
 Concen: 21.435 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

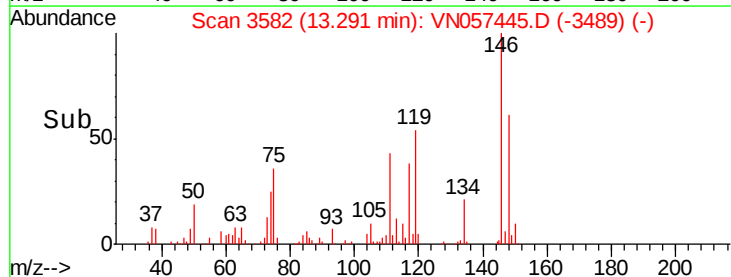
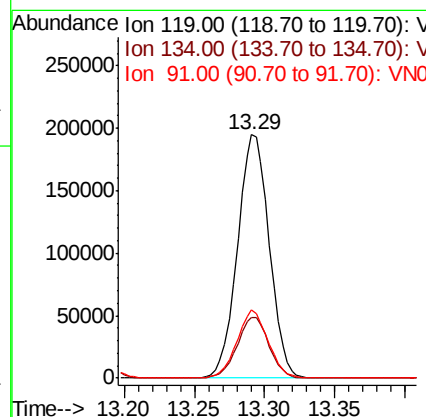
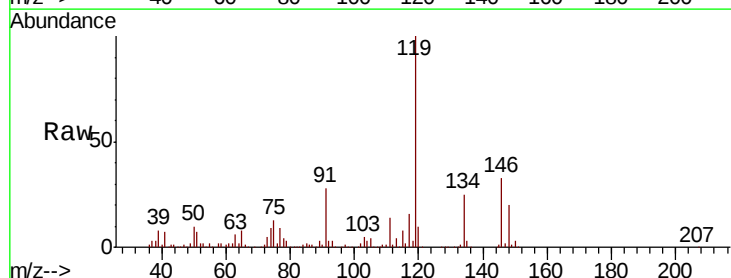
Instrument :
 MSVOA_N
 ClientSampled :
 VN0822WBS01

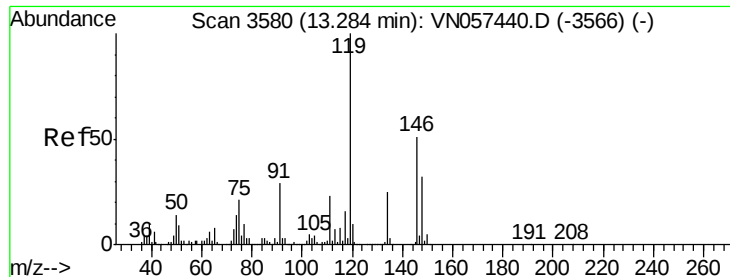
Tgt Ion:105 Resp: 364354
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 20.434 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion:119 Resp: 306942
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.7 38.1
 91 27.1 13.9 41.6

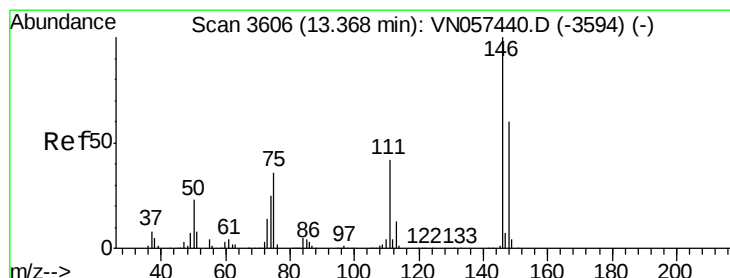
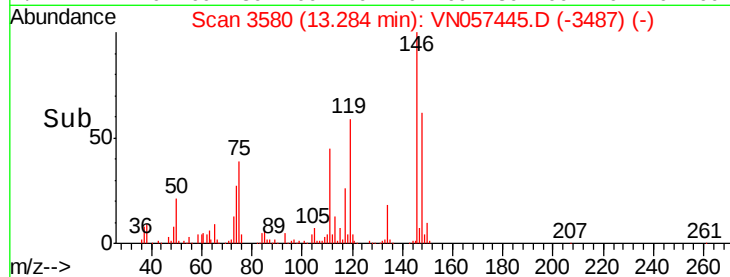
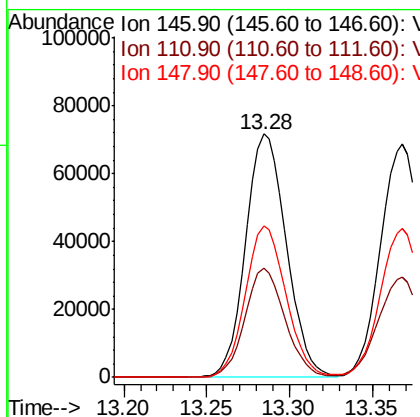
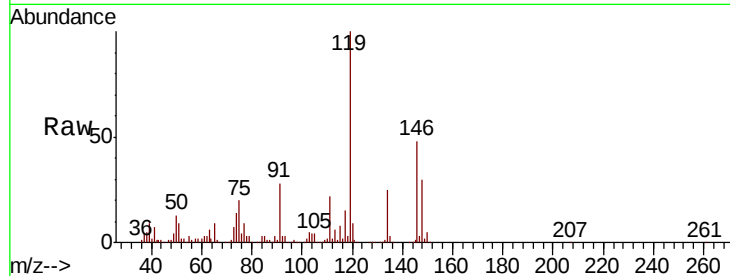




#87
 1,3-Dichlorobenzene
 Concen: 19.801 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

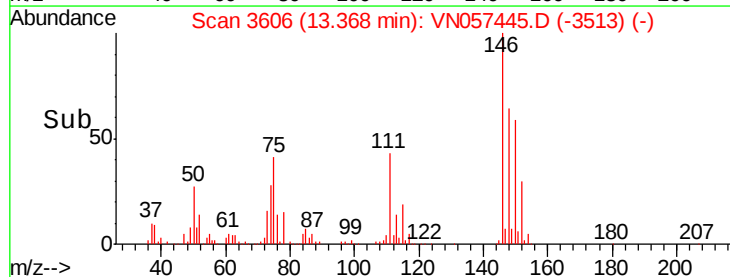
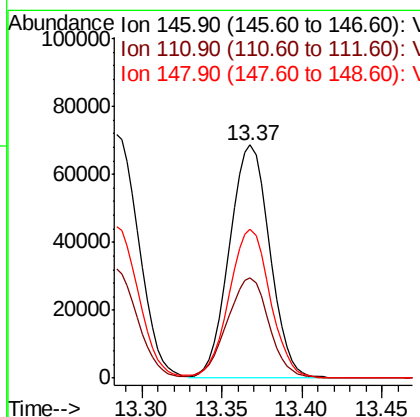
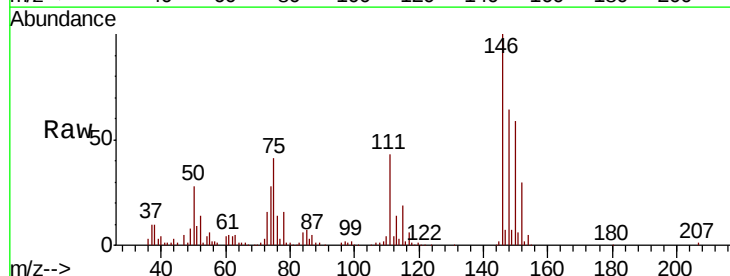
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

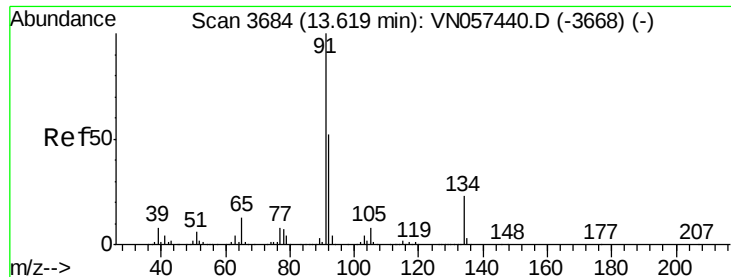
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.1
148	61.8	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.420 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.9	65.5
148	65.3	31.1	93.2





#89

n-Butylbenzene

Concen: 20.322 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

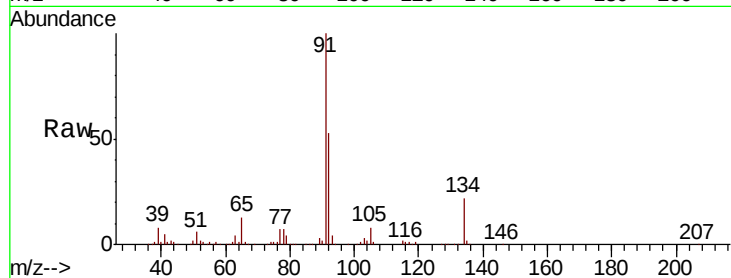
Tgt Ion: 91 Resp: 258327

Ion Ratio Lower Upper

91 100

92 51.5 25.7 77.0

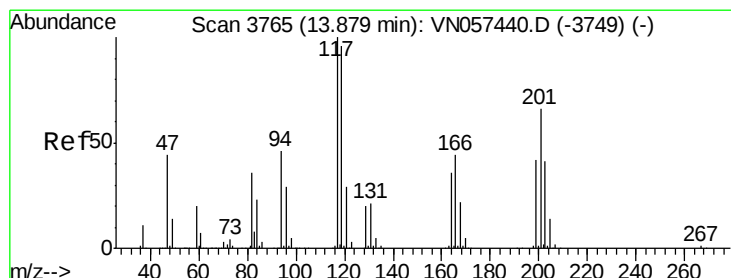
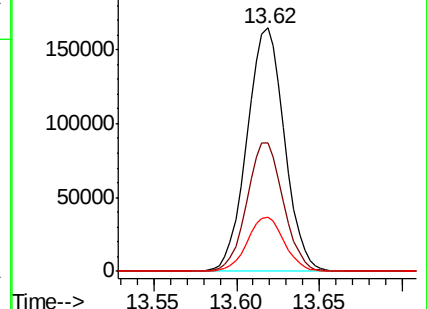
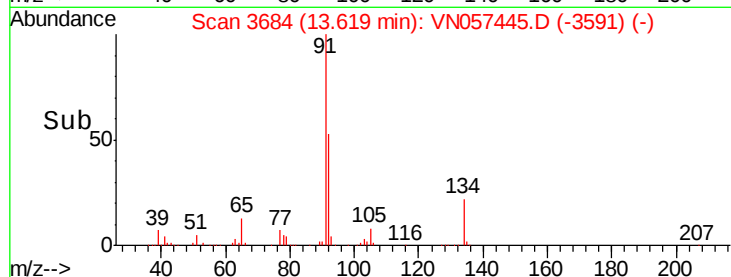
134 21.9 11.4 34.1



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) (-)



#90

Hexachloroethane

Concen: 21.867 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057445.D

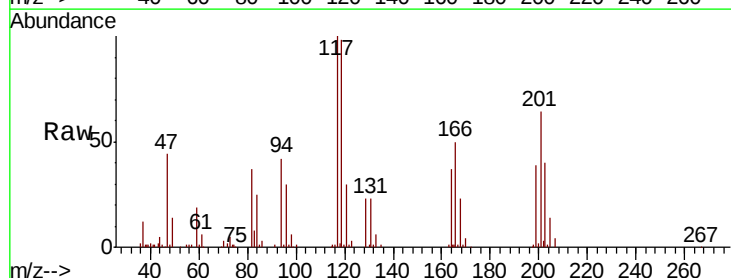
Acq: 22 Aug 2019 20:50

Tgt Ion: 117 Resp: 67075

Ion Ratio Lower Upper

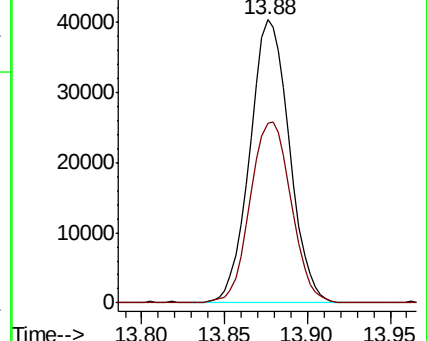
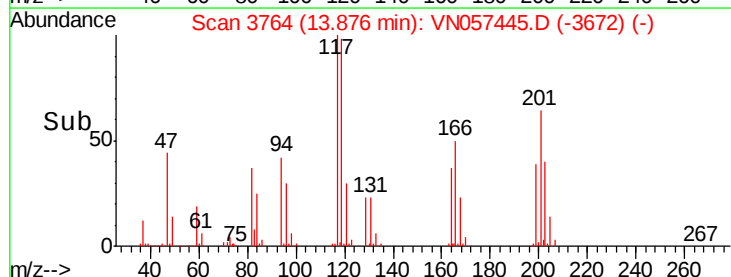
117 100

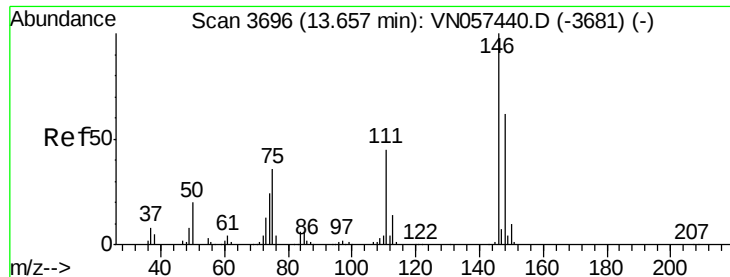
201 66.4 33.1 99.3



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

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





#91

1,2-Dichlorobenzene

Concen: 20.668 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

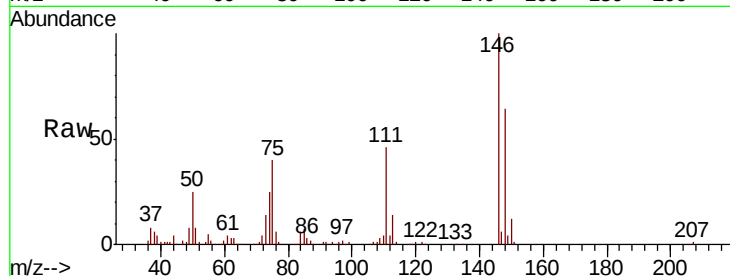
Tgt Ion:146 Resp: 122472

Ion Ratio Lower Upper

146 100

111 45.2 23.1 69.2

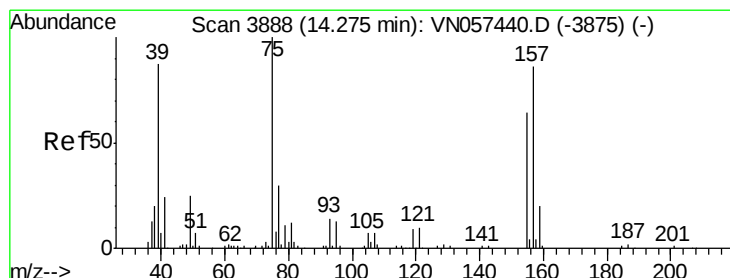
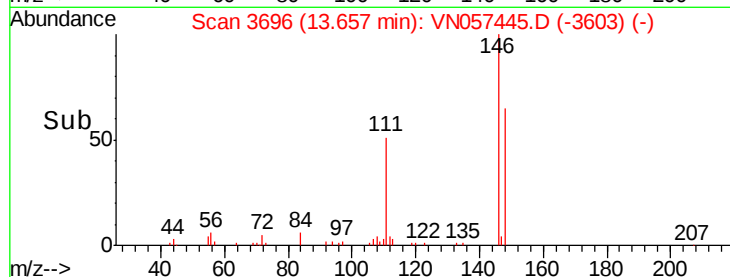
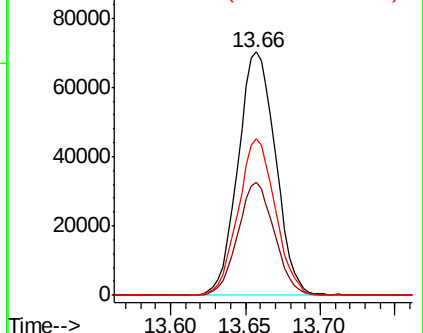
148 63.5 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.550 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

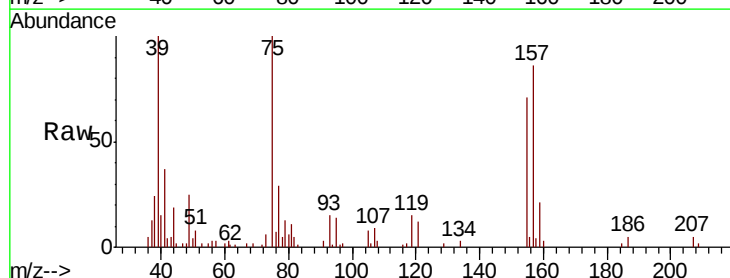
Tgt Ion: 75 Resp: 19142

Ion Ratio Lower Upper

75 100

155 66.1 31.6 94.7

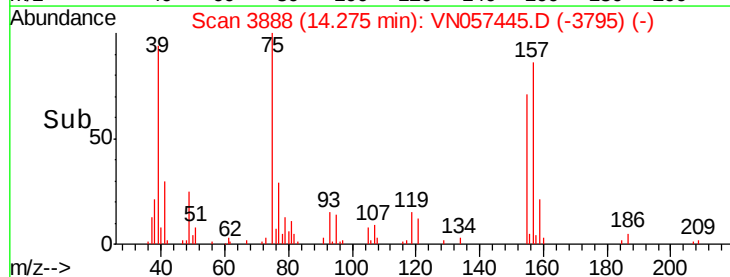
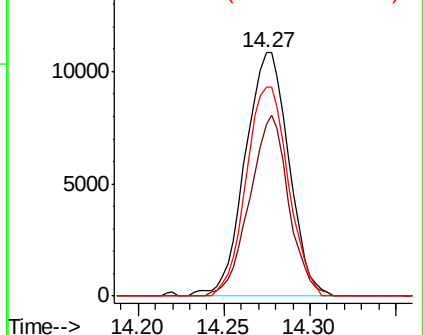
157 82.8 43.3 129.8

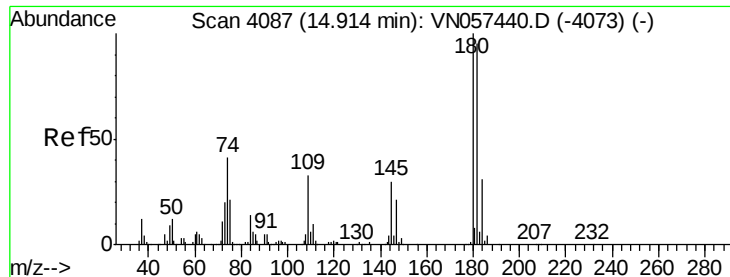


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

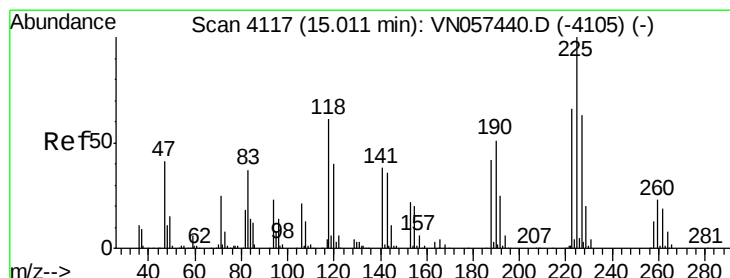
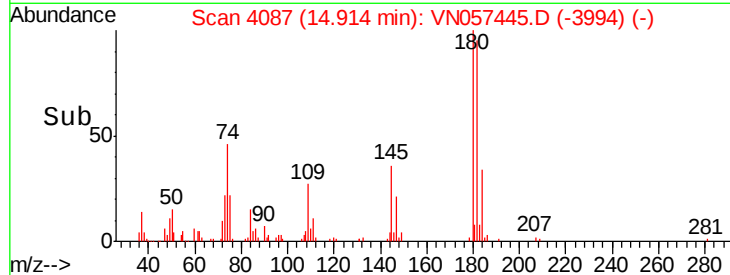
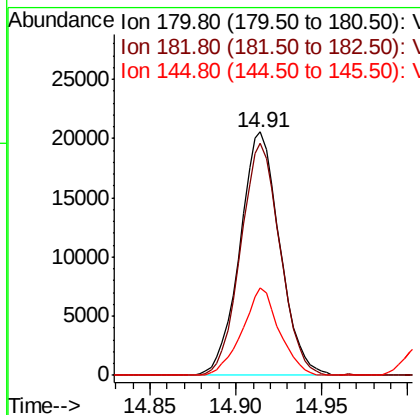
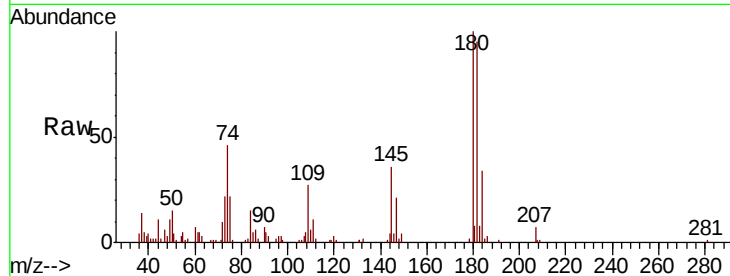




#93
 1,2,4-Trichlorobenzene
 Concen: 17.702 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

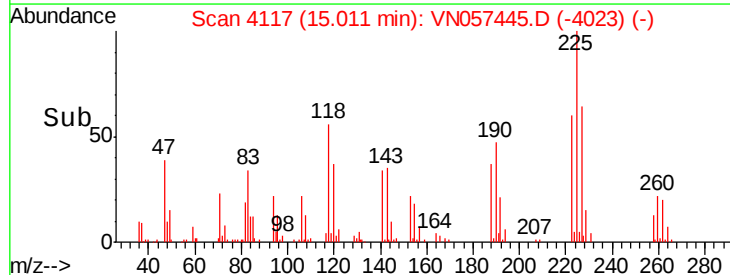
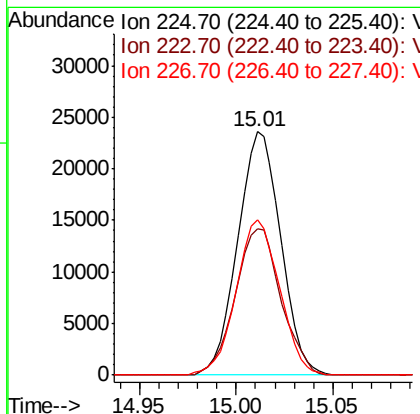
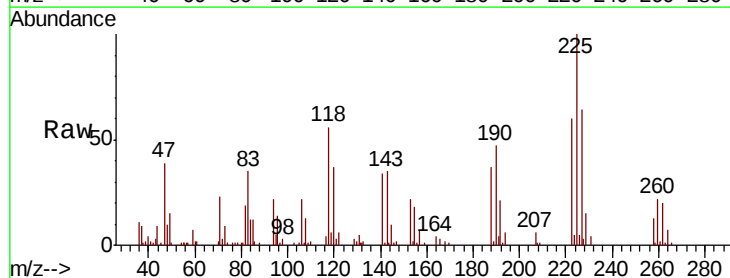
Instrument :
 MSVOA_N
 ClientSampled :
 VN0822WBS01

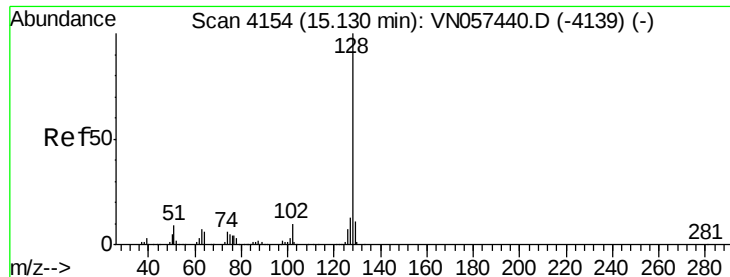
Tgt Ion:180 Resp: 33121
 Ion Ratio Lower Upper
 180 100
 182 93.9 46.7 140.1
 145 33.2 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 22.393 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion:225 Resp: 36493
 Ion Ratio Lower Upper
 225 100
 223 63.8 32.0 96.2
 227 64.2 31.5 94.5





#95

Naphthalene

Concen: 18.097 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

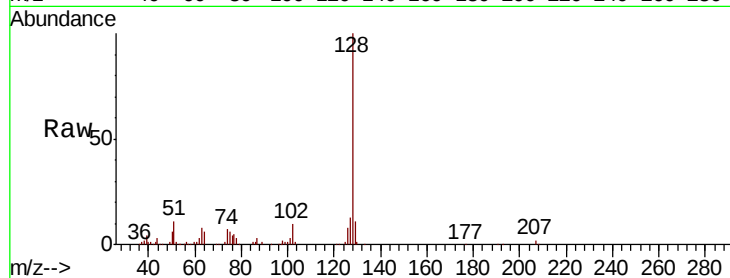
Tgt Ion:128 Resp: 115173

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

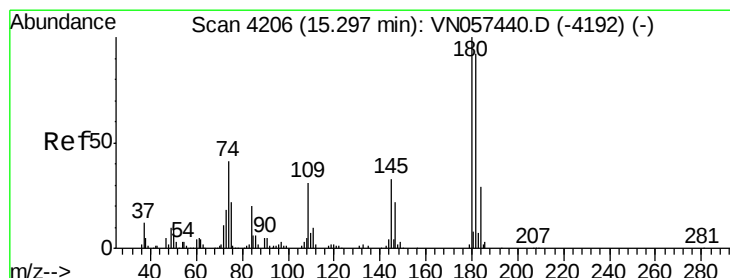
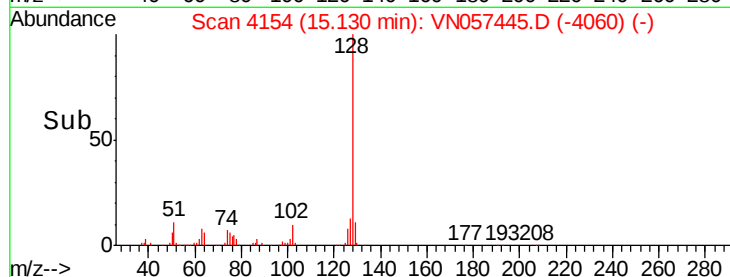
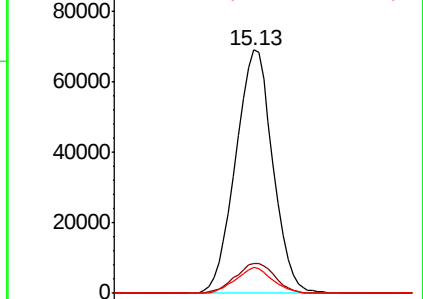
129 10.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.272 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

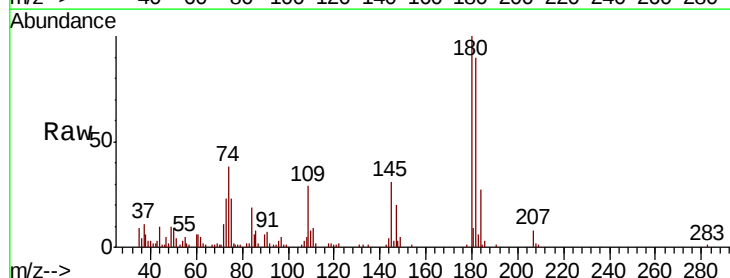
Tgt Ion:180 Resp: 35110

Ion Ratio Lower Upper

180 100

182 91.7 46.7 140.1

145 33.2 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

