

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
 Data File : VN057105.D
 Acq On : 6 Aug 2019 16:03
 Operator : JC/SP
 Sample : VN0806WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Quant Time: Aug 07 02:16:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	76446	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	414785	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	355229	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	149645	29.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.70%
60) 4-Bromofluorobenzene	12.40	95	148358	27.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.90%
63) Toluene-d8	10.08	98	500294	29.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.37%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	100166	21.915	ug/l 94
3) Chloromethane	2.05	50	110666	19.842	ug/l 99
4) Vinyl Chloride	2.18	62	104460	19.426	ug/l 99
5) Bromomethane	2.54	94	66500	20.142	ug/l 94
6) Chloroethane	2.69	64	55301	18.540	ug/l 100
7) Trichlorofluoromethane	3.00	101	147973	22.597	ug/l 98
8) Diethyl Ether	3.40	74	53749	22.028	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	90054	21.898	ug/l 96
10) 1,1-Dichloroethene	3.72	96	85280	20.896	ug/l 98
11) Methyl Iodide	3.94	142	111738	18.506	ug/l 99
12) Methyl Acetate	4.31	43	92185	18.457	ug/l 93
13) Acrolein	3.59	56	62638	110.811	ug/l 98
14) Acrylonitrile	4.97	53	191613	99.475	ug/l 100
15) Acetone	3.81	58	64365	129.248	ug/l 99
16) Carbon Disulfide	4.04	76	214900	19.528	ug/l 100
17) Allyl chloride	4.31	41	129483	18.960	ug/l 99
18) Methylene Chloride	4.54	84	98249	20.684	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	88952	20.595	ug/l 97
20) Diisopropyl ether	5.94	45	276711	19.956	ug/l 99
21) 1,1-Dichloroethane	5.83	63	164205	20.377	ug/l 97
22) cis-1,2-Dichloroethene	6.81	96	101578	20.292	ug/l 99
23) tert-Butyl Alcohol	4.77	59	61785	96.116	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	255511	20.708	ug/l 98
25) Chloroform	7.36	83	167829	21.349	ug/l 96
26) Cyclohexane	7.64	56	149909	20.251	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	121694	20.674	ug/l 99
30) 2-Butanone	6.82	43	253084	107.020	ug/l 99
31) 2,2-Dichloropropane	6.81	77	127931	23.421	ug/l 98
32) 1,1,1-Trichloroethane	7.56	97	138450	21.407	ug/l 99
33) Carbon Tetrachloride	7.76	117	118774	21.041	ug/l 97
34) Benzene	8.03	78	379851	20.481	ug/l 98
35) Methacrylonitrile	7.16	41	44550	18.864	ug/l 96
36) 1,2-Dichloroethane	8.11	62	122383	21.226	ug/l 99
37) Trichloroethene	8.82	130	103263	20.768	ug/l 100
38) Methylcyclohexane	9.07	83	155561	20.776	ug/l 98
39) 1,2-Dichloropropane	9.11	63	96699	19.533	ug/l 97
40) Dibromomethane	9.20	93	63550	20.925	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	120521	20.652	ug/l	99
42) Vinyl Acetate	5.88	43	1039593	98.713	ug/l	98
43) Ethyl Acetate	6.92	43	97256	20.061	ug/l	99
44) Isopropyl Acetate	8.15	43	171021	21.164	ug/l #	82
45) 1,4-Dioxane	9.19	88	31865	414.201	ug/l	97
46) Methyl methacrylate	9.19	41	76862	19.066	ug/l	98
47) n-amyl Acetate	12.07	43	114981	17.774	ug/l	98
48) t-1,3-Dichloropropene	10.37	75	123738	20.376	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	144928	20.480	ug/l	97
50) 1,1,2-Trichloroethane	10.55	97	90700	20.801	ug/l	99
51) Ethyl methacrylate	10.42	69	124430	19.729	ug/l	99
52) 1,3-Dichloropropane	10.70	76	151898	20.641	ug/l	99
53) Dibromochloromethane	10.90	129	94065	20.754	ug/l	98
54) 1,2-Dibromoethane	11.00	107	94287	21.196	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	195948	71.737	ug/l	98
56) Bromoform	12.12	173	65353	20.840	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	477006	100.064	ug/l	98
59) 2-Hexanone	10.75	43	338010	104.056	ug/l	98
61) Tetrachloroethene	10.63	164	105739	21.239	ug/l	97
62) Toluene	10.15	91	406050	21.017	ug/l	100
64) Chlorobenzene	11.43	112	245960	21.135	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.50	131	94828	21.513	ug/l	98
66) Ethyl Benzene	11.51	91	425780	20.914	ug/l	98
67) m/p-Xylenes	11.62	106	320537	42.222	ug/l	100
68) o-Xylene	11.94	106	157592	21.113	ug/l	100
69) Styrene	11.96	104	242161	20.021	ug/l	100
70) Isopropylbenzene	12.25	105	419110	21.325	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	116582	21.179	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	136170	28.115	ug/l	64
73) Bromobenzene	12.52	156	105616	20.826	ug/l	96
74) n-propylbenzene	12.59	91	430602	20.038	ug/l	100
75) 2-Chlorotoluene	12.67	91	267691	20.547	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	350631	21.192	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	29563	19.441	ug/l	93
78) 4-Chlorotoluene	12.77	91	236800	19.121	ug/l	100
79) tert-butylbenzene	12.99	119	312367	21.878	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	335954	20.829	ug/l	99
81) sec-Butylbenzene	13.17	105	382606	20.526	ug/l	100
82) p-Isopropyltoluene	13.29	119	336833	20.120	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	149840	18.765	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	132609	17.565	ug/l	99
85) n-Butylbenzene	13.61	91	233562	17.768	ug/l	98
86) Hexachloroethane	13.87	117	59519	21.244	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	151526	19.105	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15077	17.704	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	47203	16.656	ug/l	98
90) Hexachlorobutadiene	15.00	225	66988	22.978	ug/l	97
91) Naphthalene	15.12	128	111967	15.667	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	56004	13.357	ug/l	99

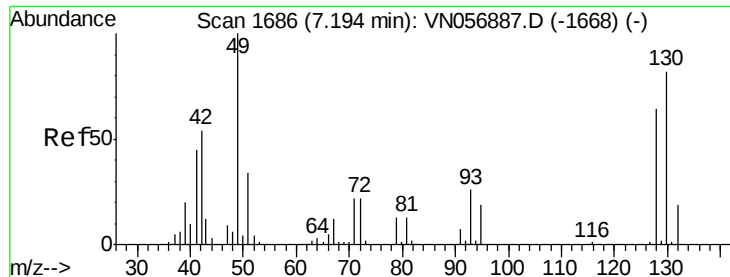
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS02

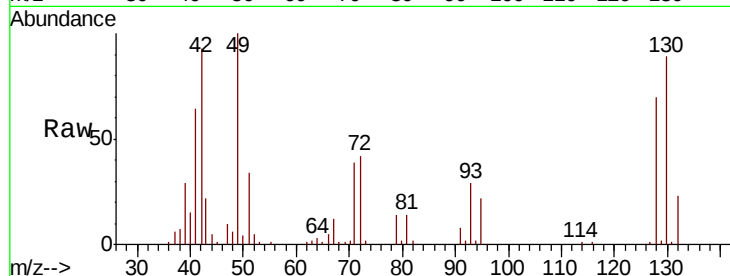
Tgt Ion:128 Resp: 76446

Ion Ratio Lower Upper

128 100

49 141.6 0.0 385.8

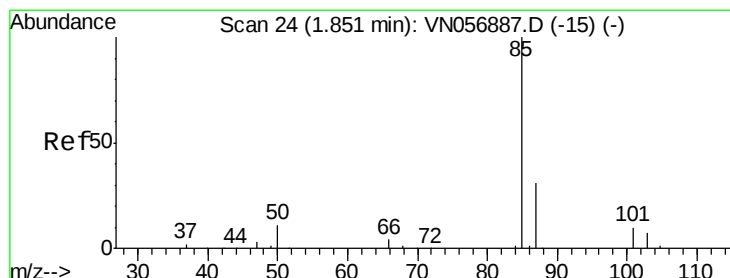
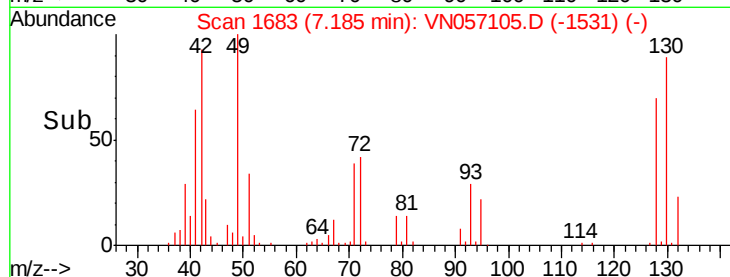
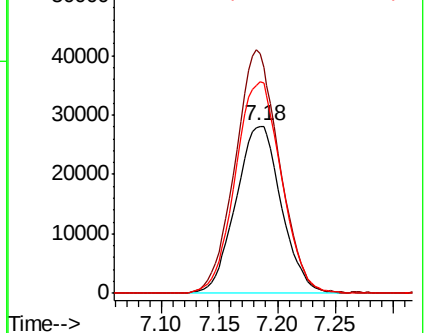
130 128.6 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.915 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057105.D

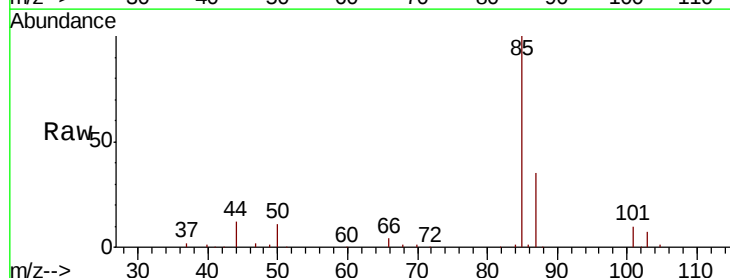
Acq: 6 Aug 2019 16:03

Tgt Ion: 85 Resp: 100166

Ion Ratio Lower Upper

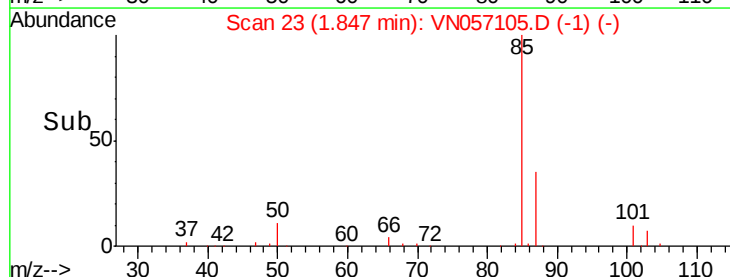
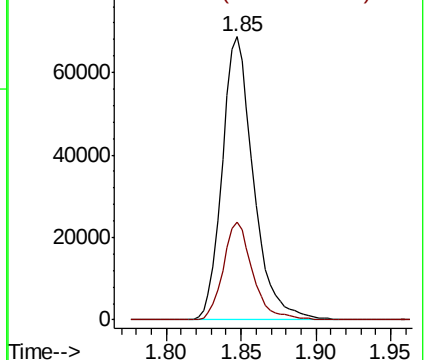
85 100

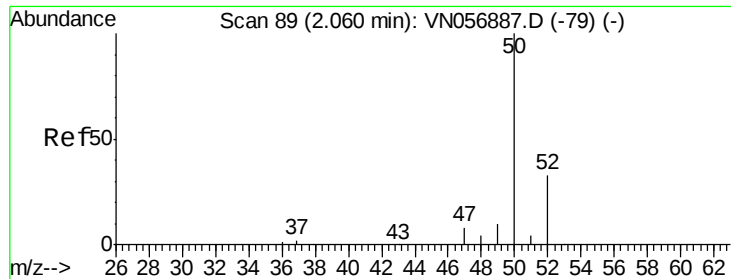
87 34.7 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.842 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

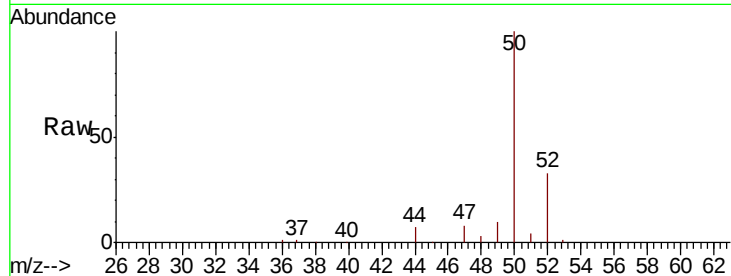
VN0806WBS02

Tgt Ion: 50 Resp: 110666

Ion Ratio Lower Upper

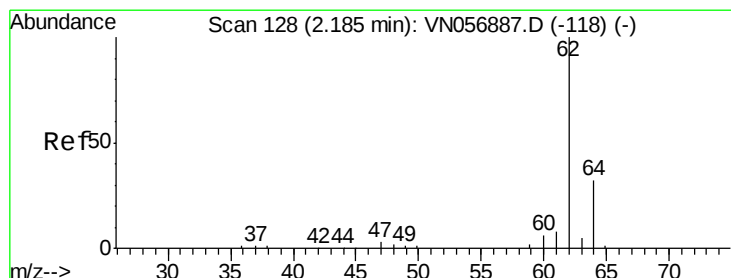
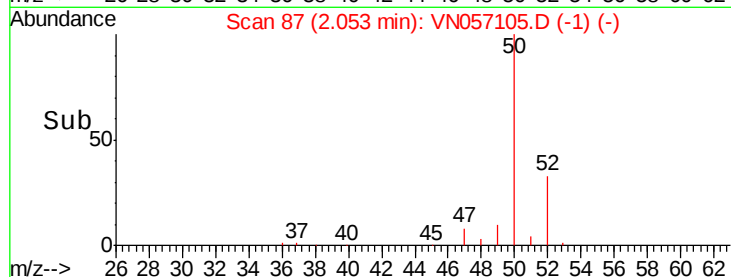
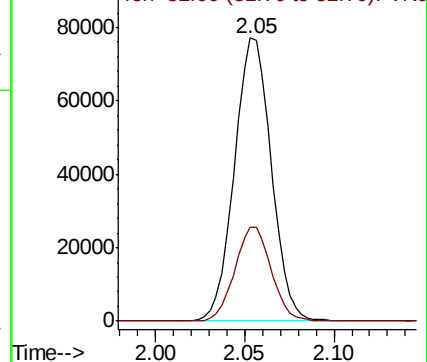
50 100

52 33.3 26.2 39.2



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.426 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057105.D

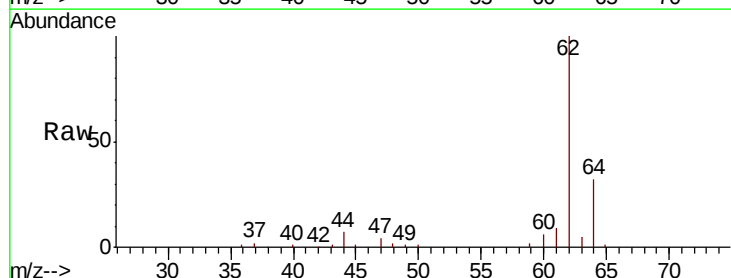
Acq: 6 Aug 2019 16:03

Tgt Ion: 62 Resp: 104460

Ion Ratio Lower Upper

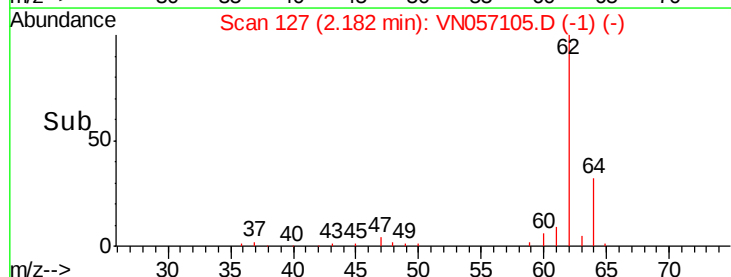
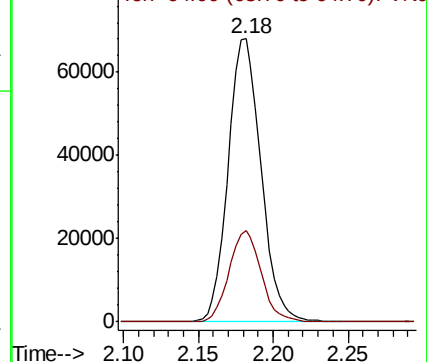
62 100

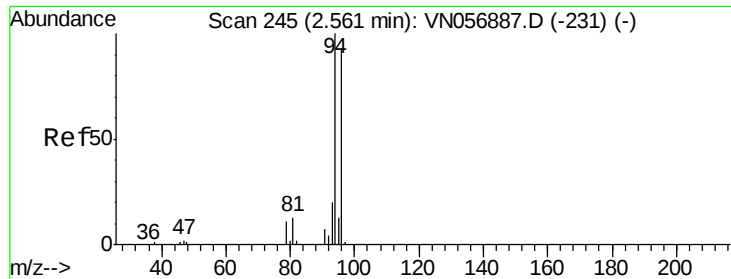
64 32.5 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 20.142 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

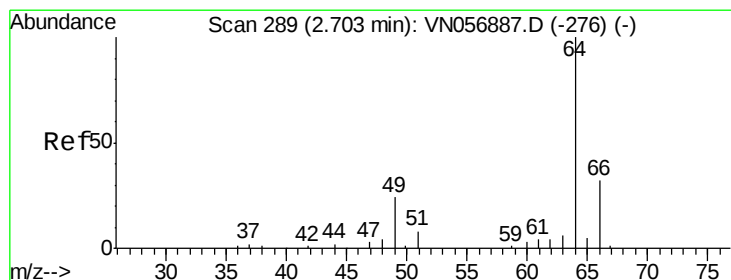
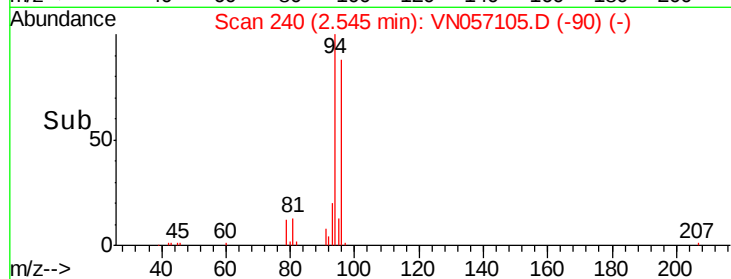
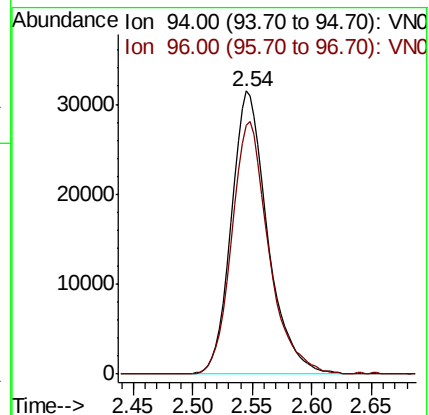
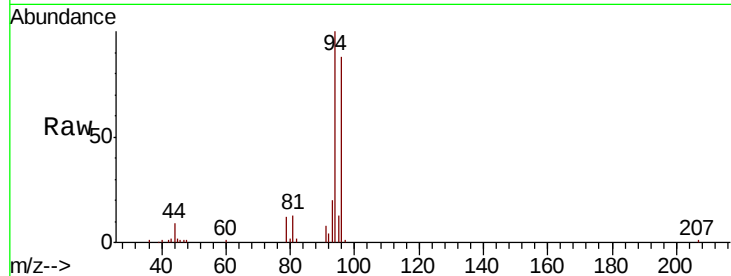
VN0806WBS02

Tgt Ion: 94 Resp: 66500

Ion Ratio Lower Upper

94 100

96 87.9 74.7 112.1



#6

Chloroethane

Concen: 18.540 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN057105.D

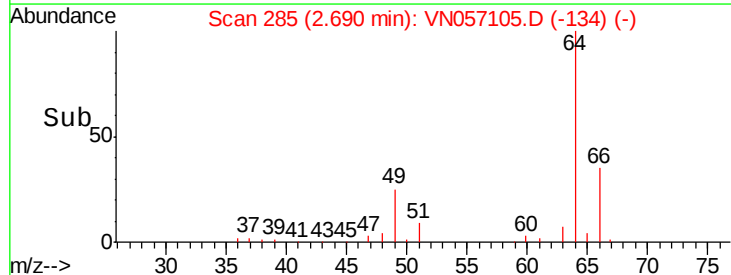
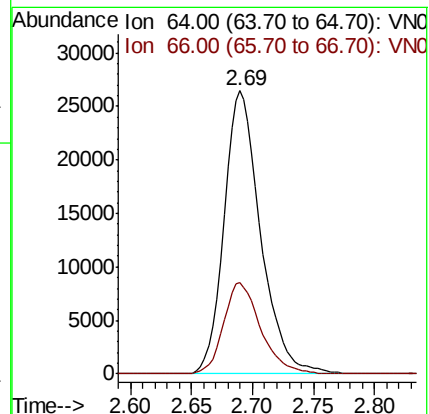
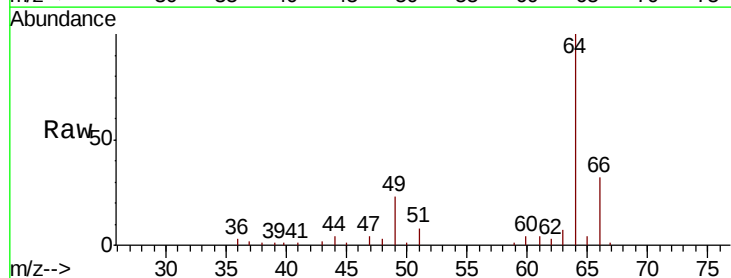
Acq: 6 Aug 2019 16:03

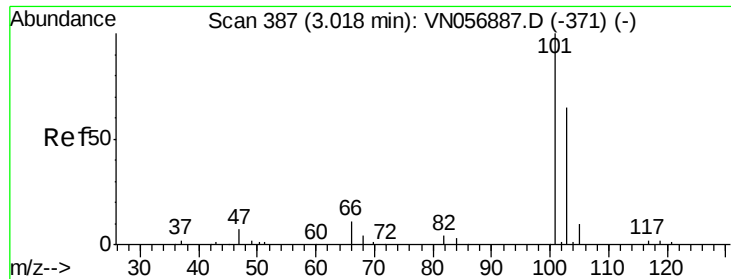
Tgt Ion: 64 Resp: 55301

Ion Ratio Lower Upper

64 100

66 32.1 25.8 38.8



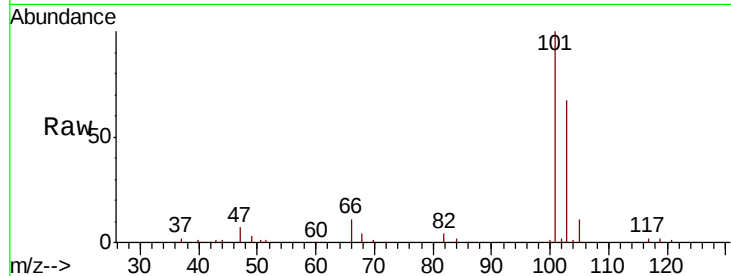


#7

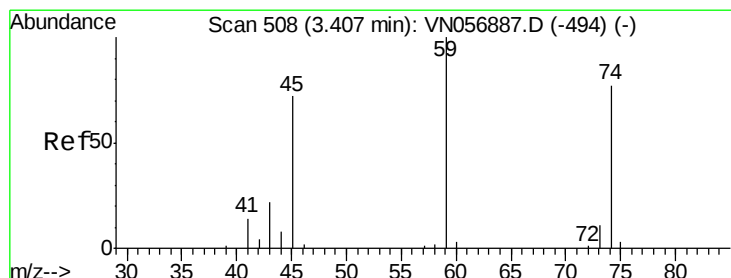
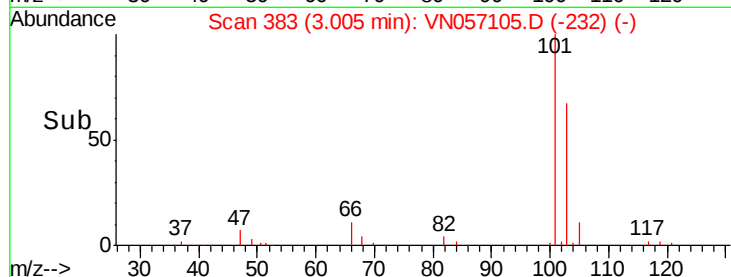
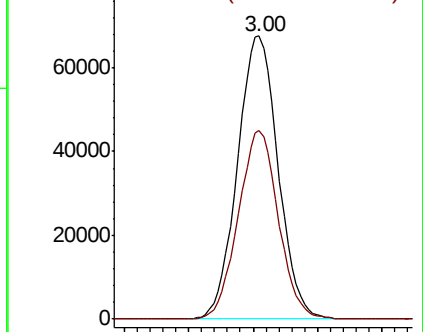
Trichlorofluoromethane
 Concen: 22.597 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tgt Ion: 101 Resp: 147973
 Ion Ratio Lower Upper
 101 100
 103 66.8 52.2 78.4



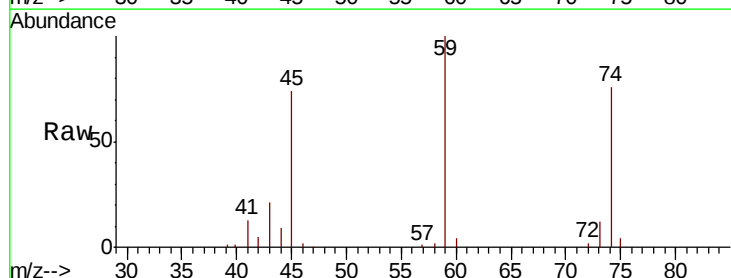
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



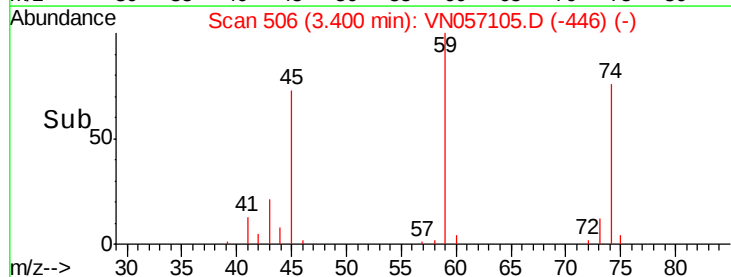
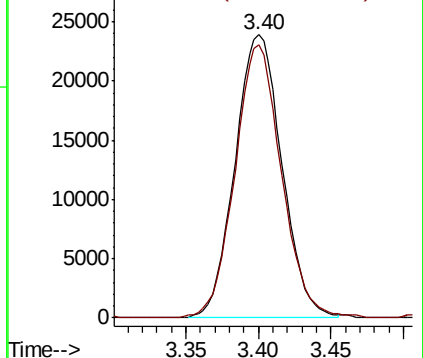
#8

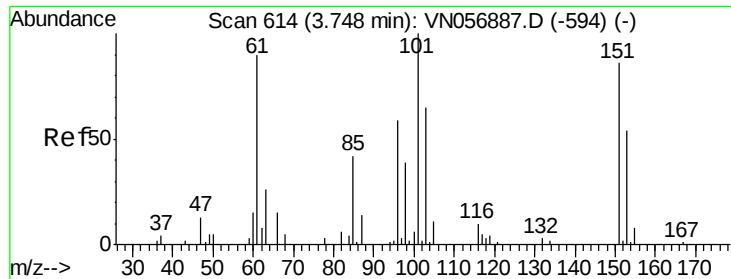
Diethyl Ether
 Concen: 22.028 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion: 74 Resp: 53749
 Ion Ratio Lower Upper
 74 100
 45 95.6 19.5 175.7



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

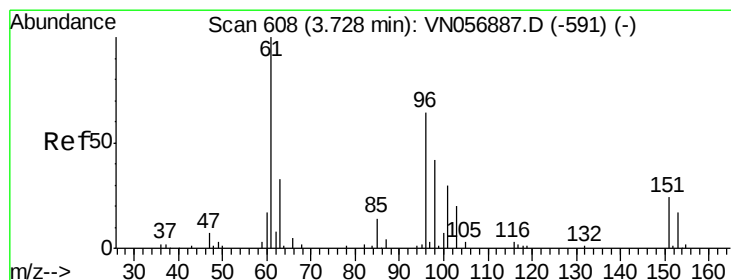
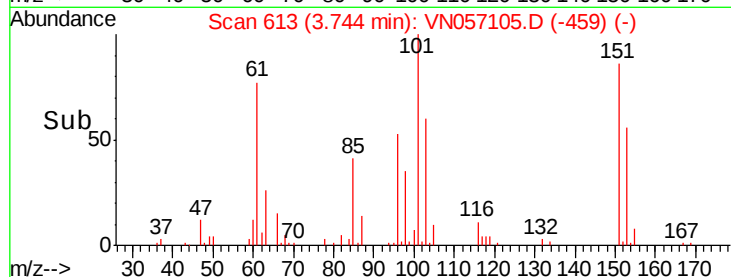
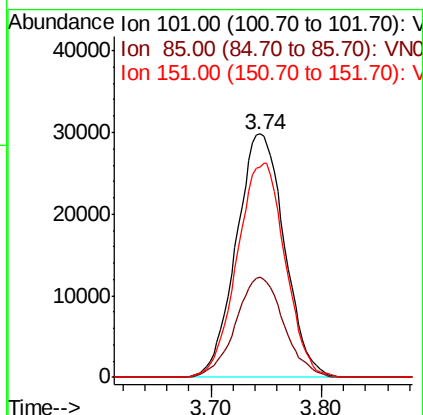
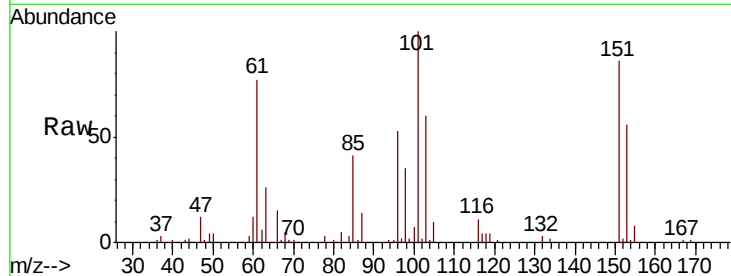




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.898 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

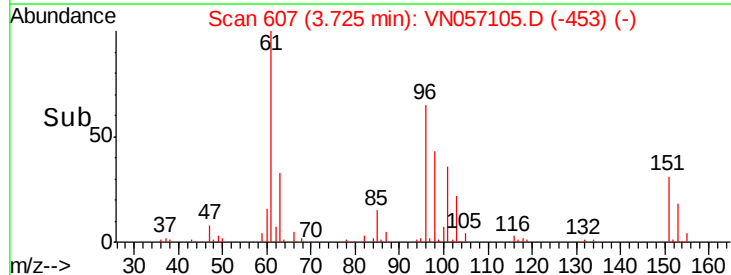
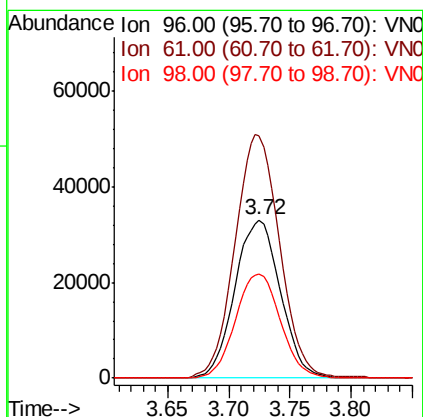
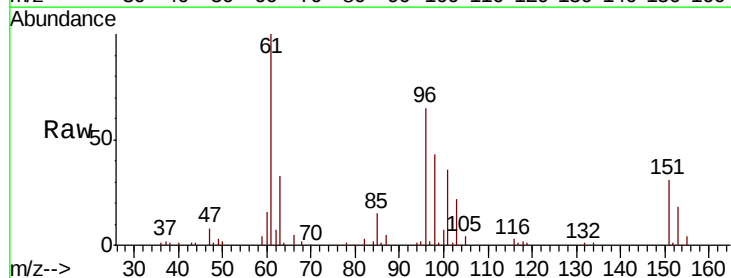
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

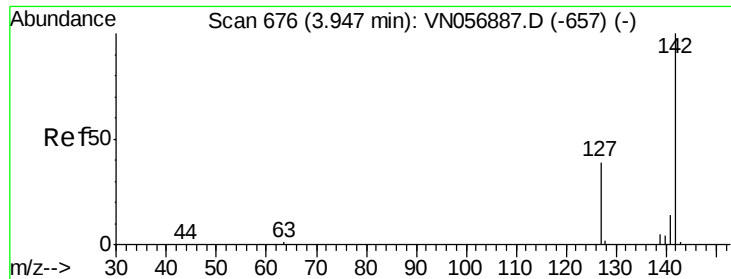
Tgt Ion: 101 Resp: 90054
 Ion Ratio Lower Upper
 101 100
 85 40.9 0.0 85.0
 151 87.8 0.0 167.2



#10
 1,1-Dichloroethene
 Concen: 20.896 ug/l
 RT: 3.72 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion: 96 Resp: 85280
 Ion Ratio Lower Upper
 96 100
 61 153.2 125.8 188.8
 98 65.7 52.7 79.1

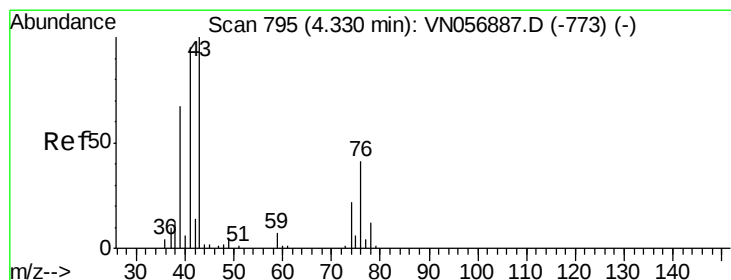
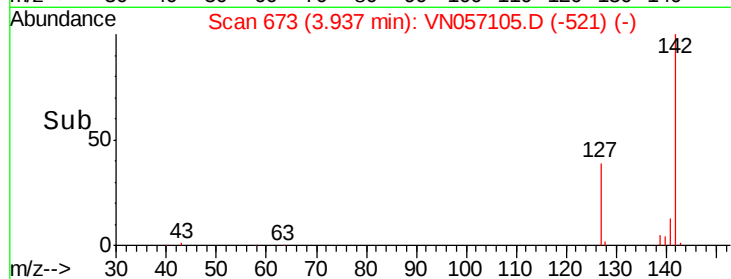
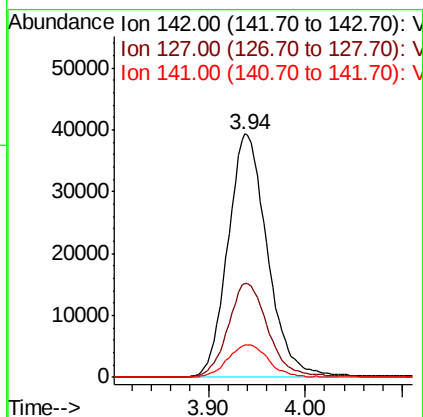
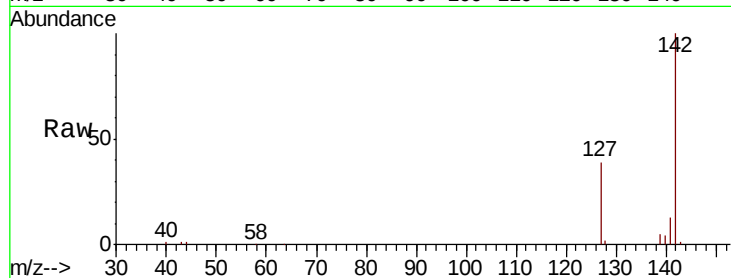




#11
Methyl Iodide
Concen: 18.506 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

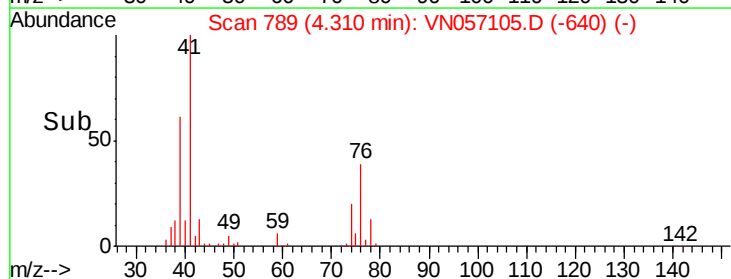
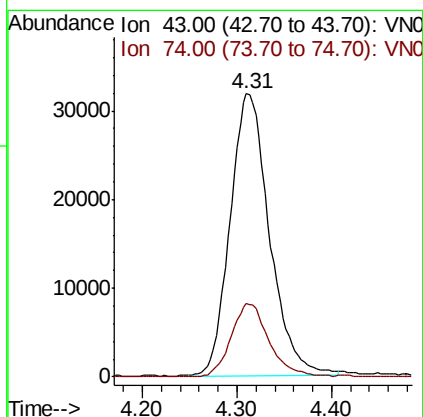
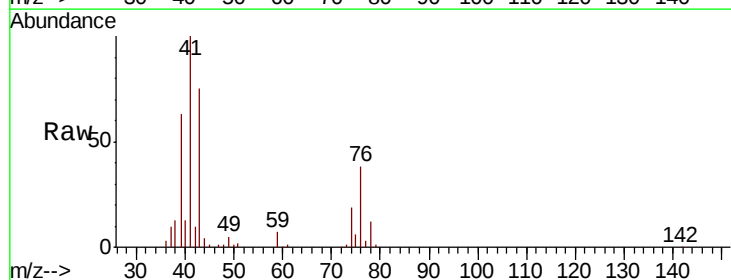
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

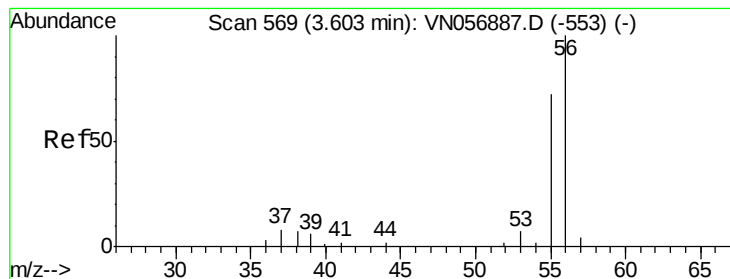
Tgt Ion:142 Resp: 111738
Ion Ratio Lower Upper
142 100
127 38.7 19.6 58.8
141 13.3 7.2 21.6



#12
Methyl Acetate
Concen: 18.457 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion: 43 Resp: 92185
Ion Ratio Lower Upper
43 100
74 25.9 18.1 27.1





#13

Acrolein

Concen: 110.811 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

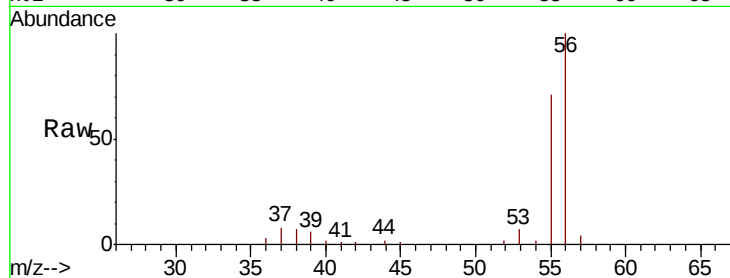
VN0806WBS02

Tgt Ion: 56 Resp: 62638

Ion Ratio Lower Upper

56 100

55 71.0 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

25000

20000

15000

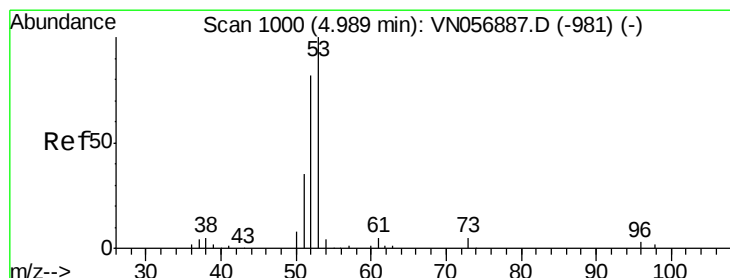
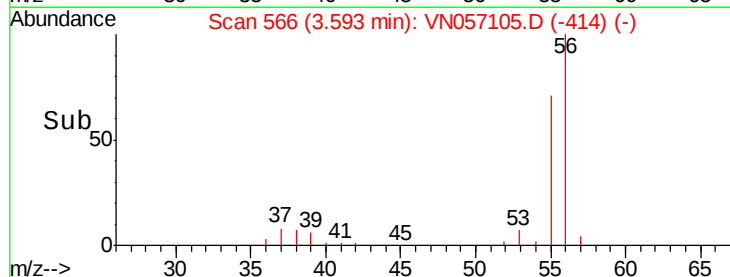
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 99.475 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.02 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

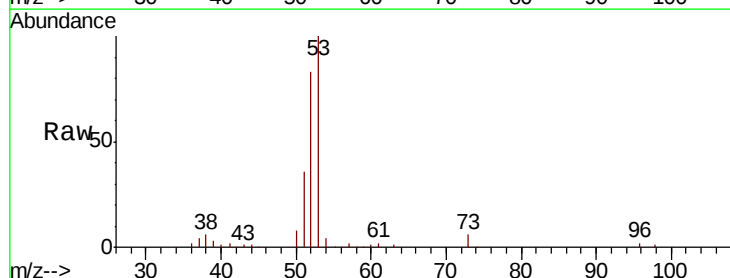
Tgt Ion: 53 Resp: 191613

Ion Ratio Lower Upper

53 100

52 81.4 40.8 122.5

51 34.8 17.4 52.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.97

60000

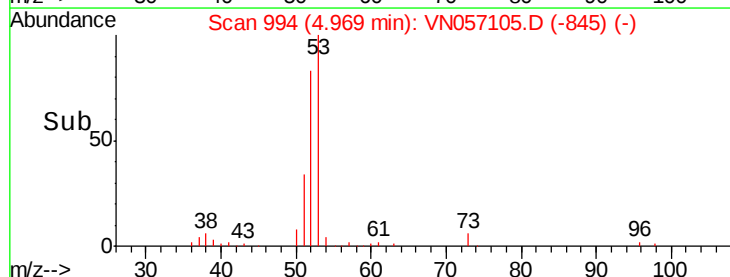
40000

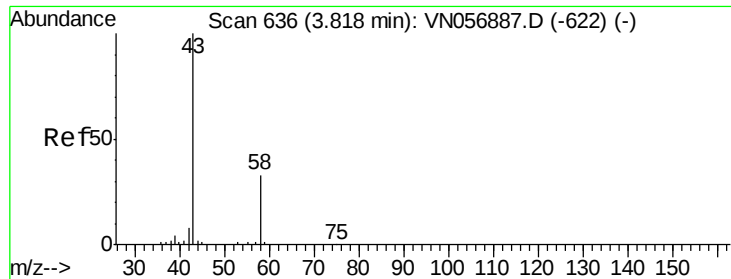
20000

0

Time-->

4.90 4.95 5.00 5.05 5.10





#15

Acetone

Concen: 129.248 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

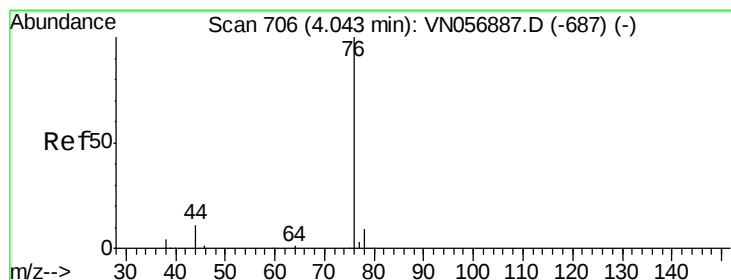
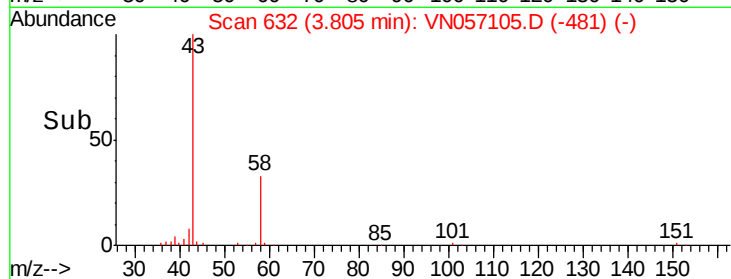
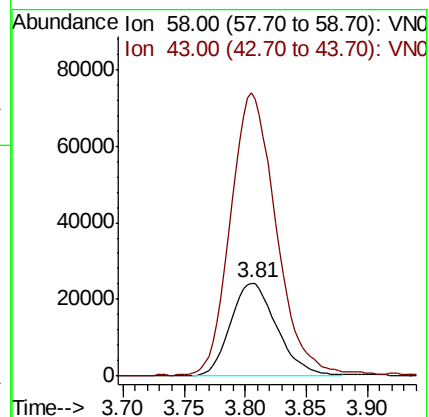
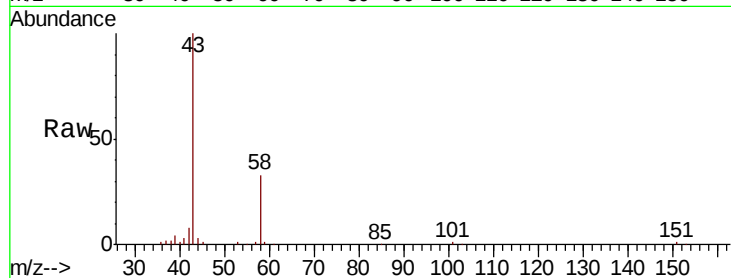
VN0806WBS02

Tgt Ion: 58 Resp: 64365

Ion Ratio Lower Upper

58 100

43 300.7 242.4 363.6



#16

Carbon Disulfide

Concen: 19.528 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN057105.D

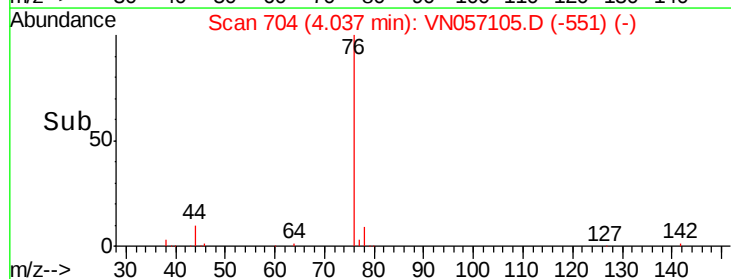
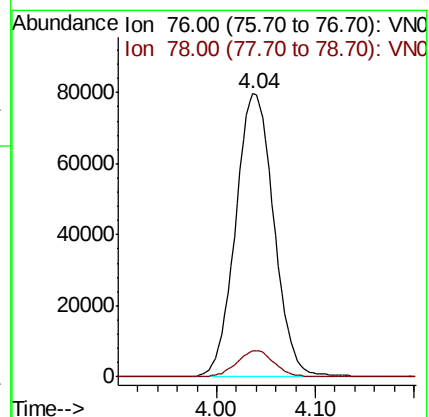
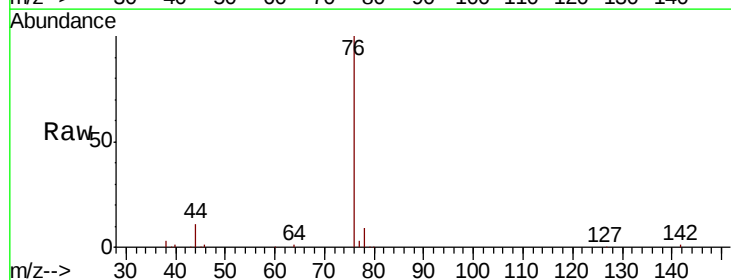
Acq: 6 Aug 2019 16:03

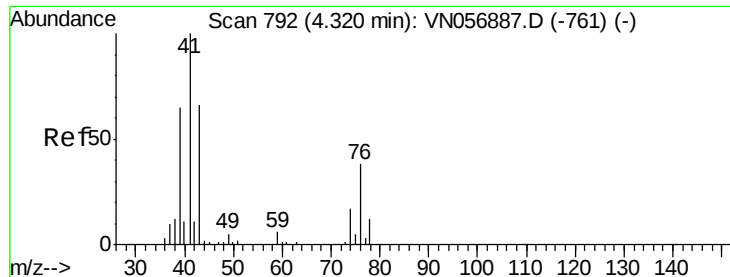
Tgt Ion: 76 Resp: 214900

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#17

Allyl chloride

Concen: 18.960 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

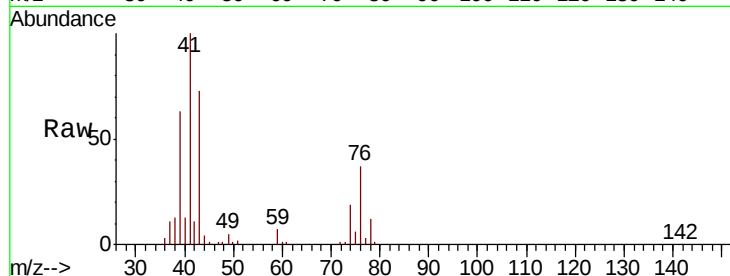
Tgt Ion: 41 Resp: 129483

Ion Ratio Lower Upper

41 100

39 63.4 32.4 97.0

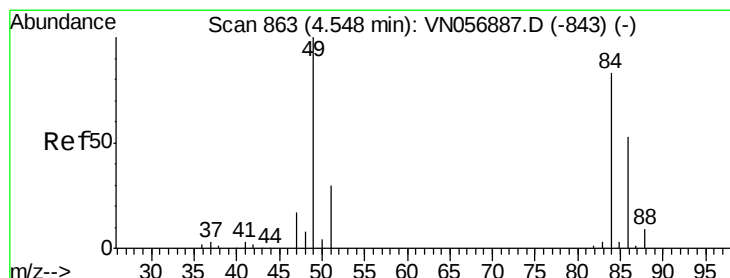
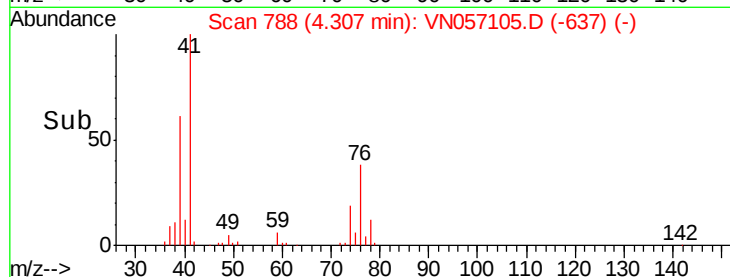
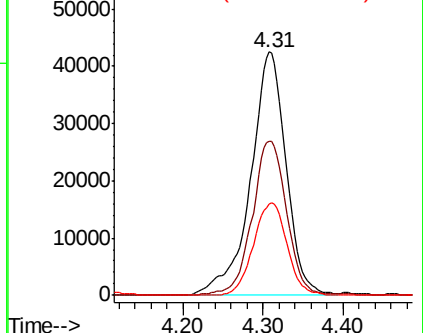
76 37.4 19.0 57.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 20.684 ug/l

RT: 4.54 min Scan# 860

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Tgt Ion: 84 Resp: 98249

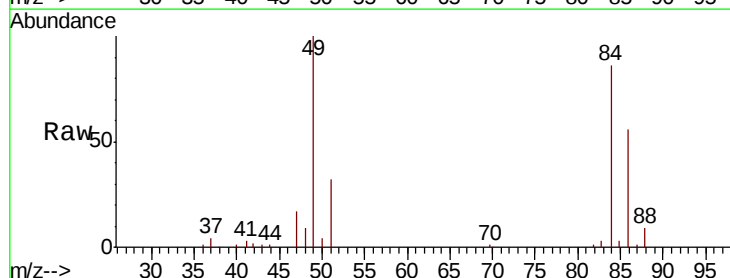
Ion Ratio Lower Upper

84 100

49 116.9 96.3 144.5

51 36.8 28.8 43.2

86 65.5 50.9 76.3

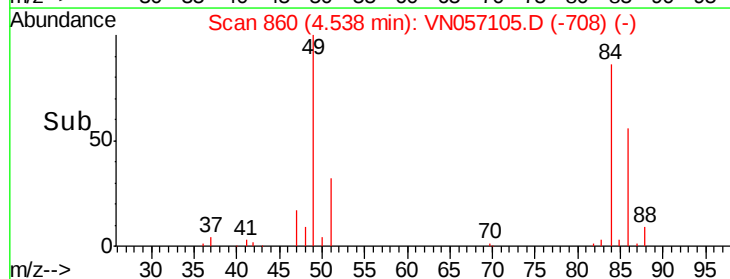
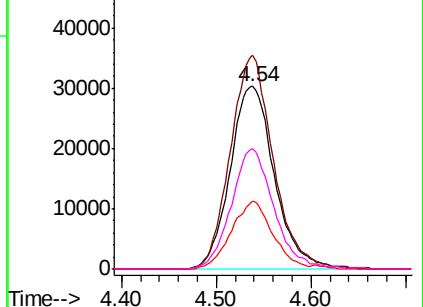


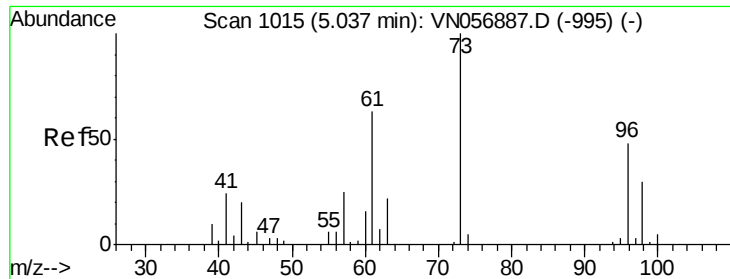
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

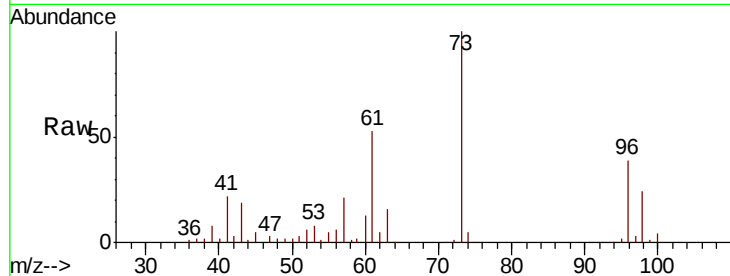




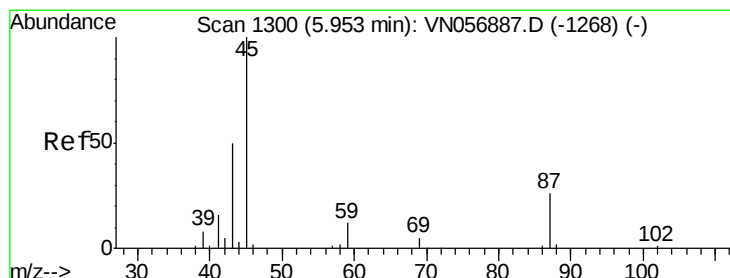
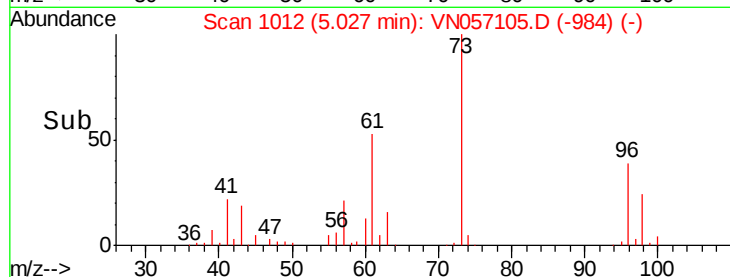
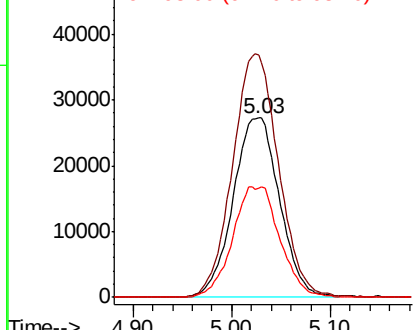
#19
trans-1,2-Dichloroethene
Concen: 20.595 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tgt Ion: 96 Resp: 88952
Ion Ratio Lower Upper
96 100
61 134.2 105.4 158.0
98 60.8 50.8 76.2

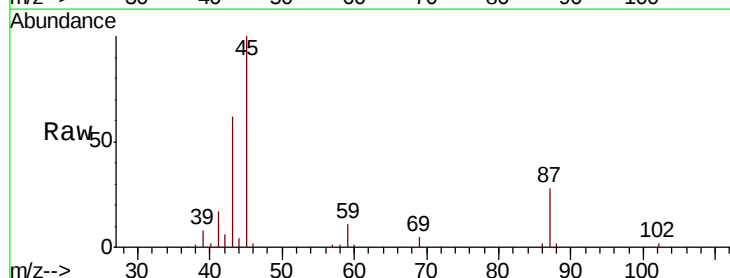


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

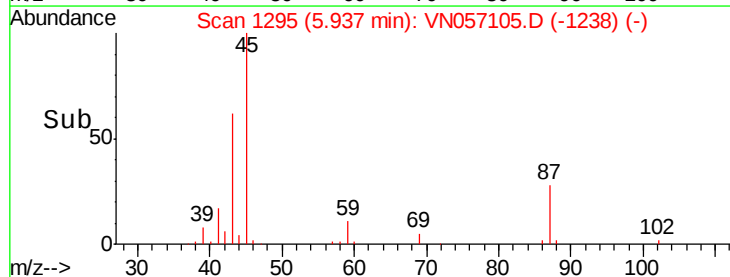
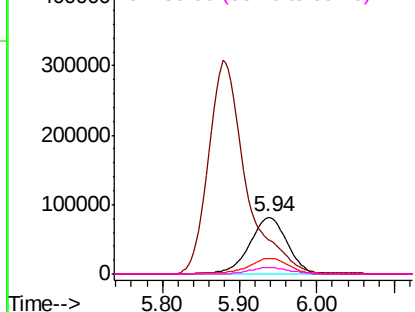


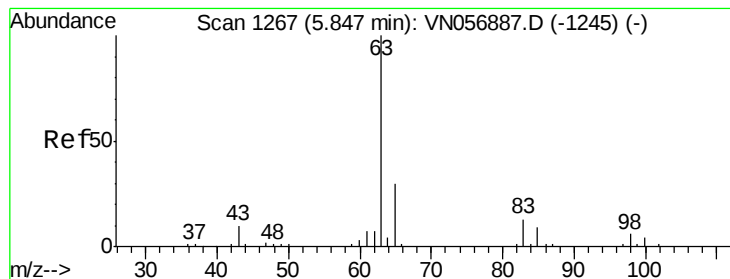
#20
Diisopropyl ether
Concen: 19.956 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion: 45 Resp: 276711
Ion Ratio Lower Upper
45 100
43 59.9 47.4 71.0
87 27.8 21.7 32.5
59 11.1 9.3 13.9



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





#21

1,1-Dichloroethane

Concen: 20.377 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

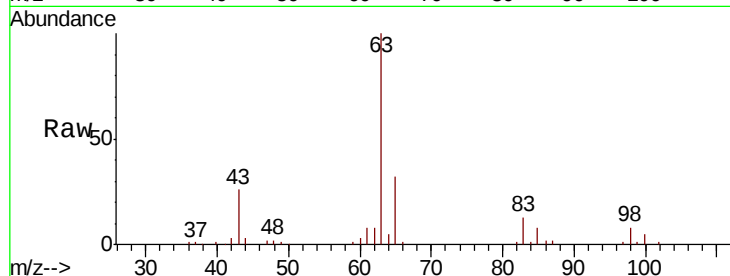
Tgt Ion: 63 Resp: 164205

Ion Ratio Lower Upper

63 100

98 7.5 3.1 9.3

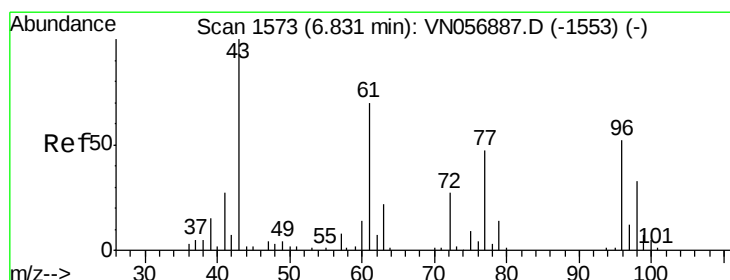
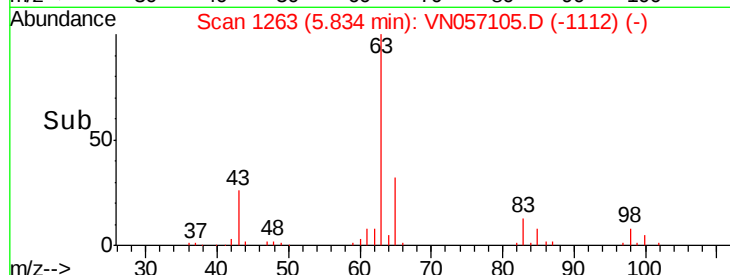
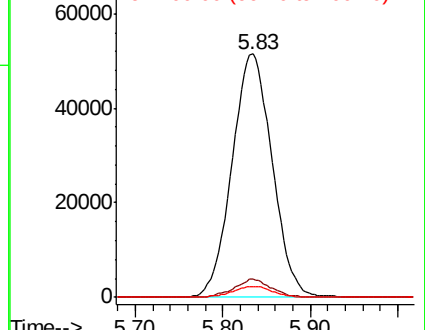
100 4.6 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-1245) (-)

Ion 98.00 (97.70 to 98.70): VN056887.D (-1245) (-)

Ion 100.00 (99.70 to 100.70): VN056887.D (-1245) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.292 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.02 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

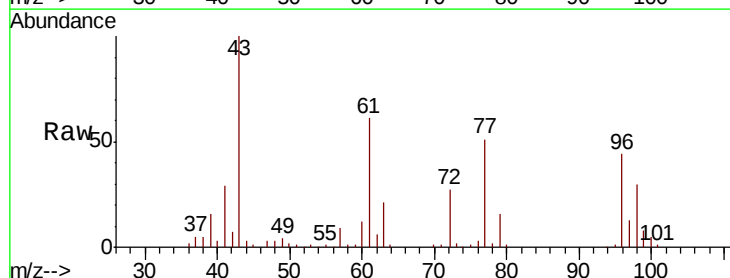
Tgt Ion: 96 Resp: 101578

Ion Ratio Lower Upper

96 100

61 139.0 111.6 167.4

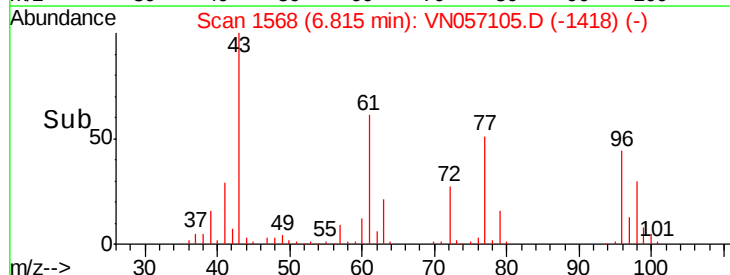
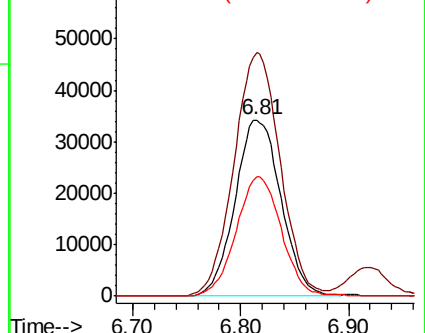
98 66.2 51.0 76.4

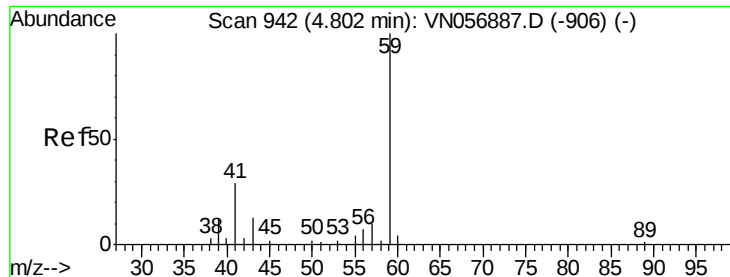


Abundance Ion 96.00 (95.70 to 96.70): VN056887.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN056887.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN056887.D (-1553) (-)





#23

tert-Butyl Alcohol

Concen: 96.116 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.03 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

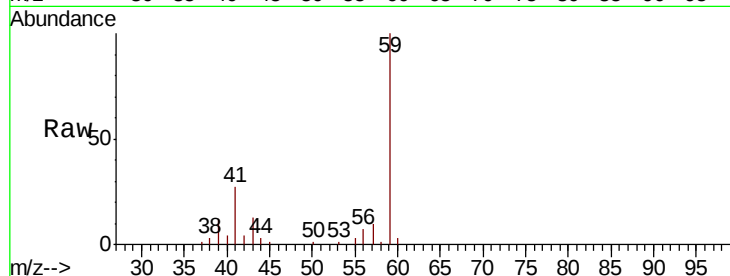
VN0806WBS02

Tgt Ion: 59 Resp: 61785

Ion Ratio Lower Upper

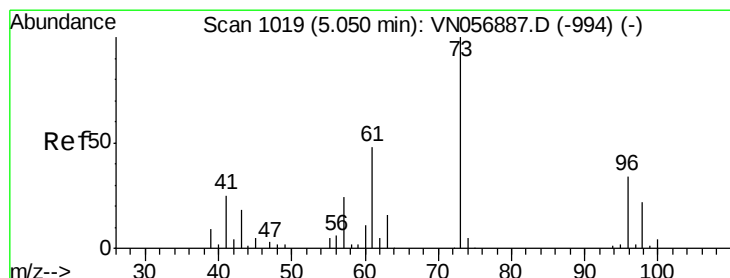
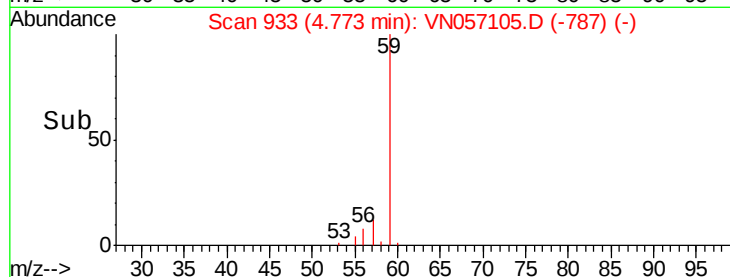
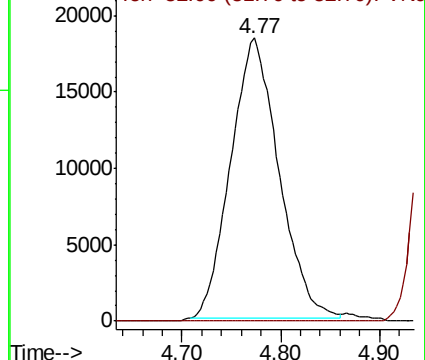
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 20.708 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VN057105.D

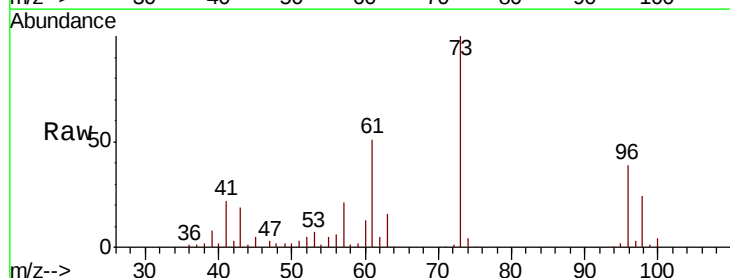
Acq: 6 Aug 2019 16:03

Tgt Ion: 73 Resp: 255511

Ion Ratio Lower Upper

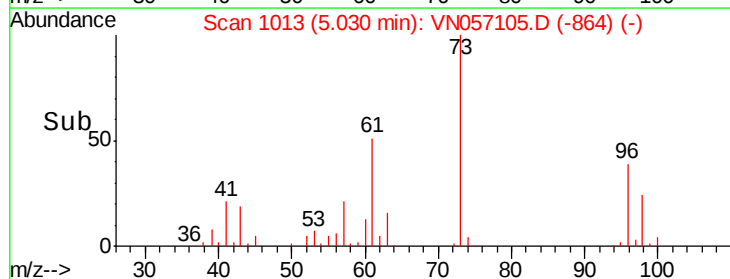
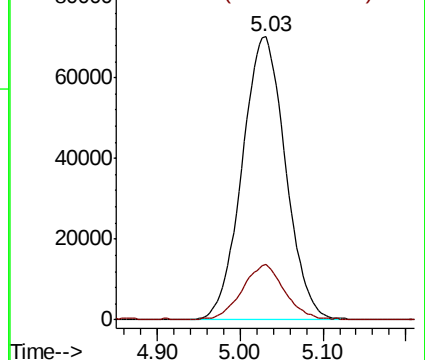
73 100

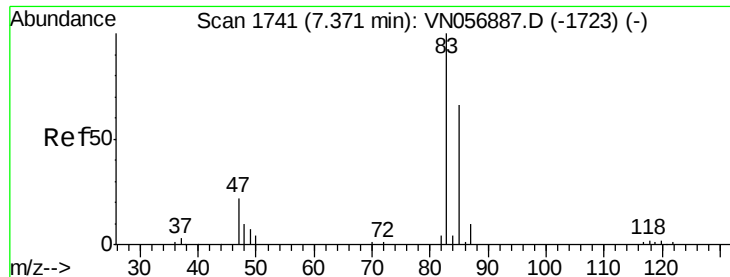
43 18.4 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

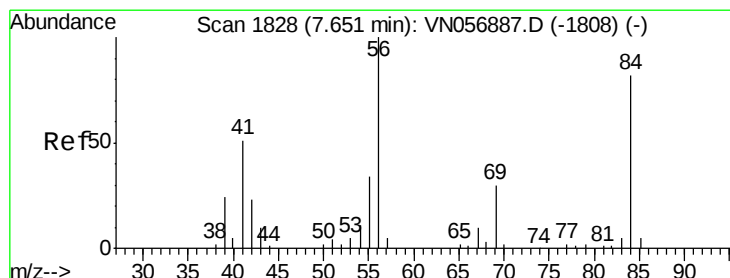
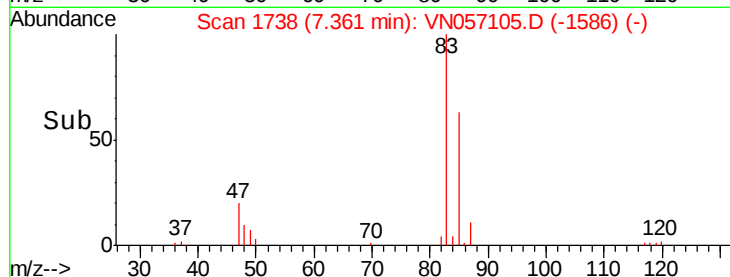
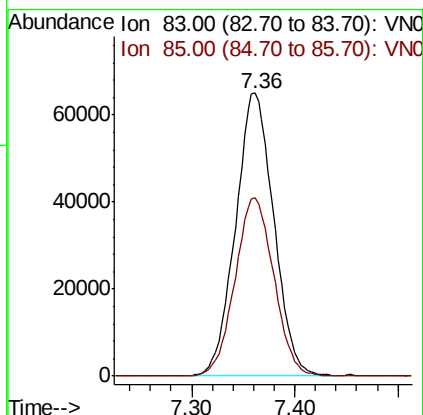
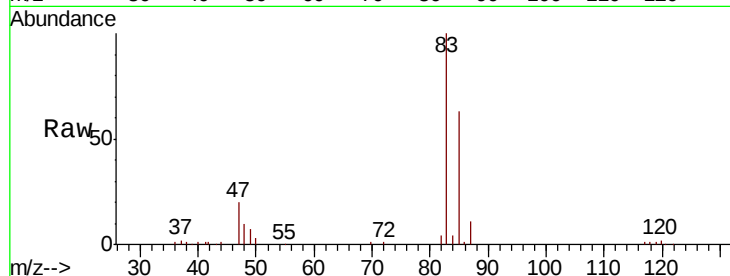




#25
Chloroform
Concen: 21.349 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

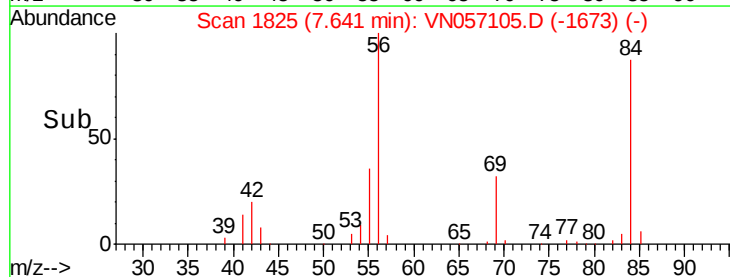
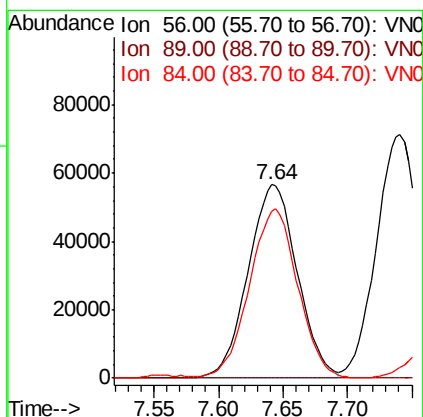
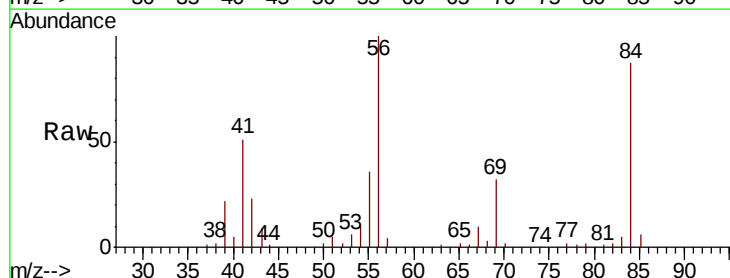
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

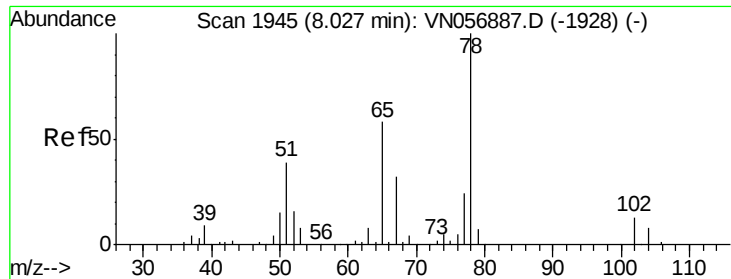
Tgt Ion: 83 Resp: 167829
Ion Ratio Lower Upper
83 100
85 62.8 53.1 79.7



#26
Cyclohexane
Concen: 20.251 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion: 56 Resp: 149909
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.3 67.8 101.6

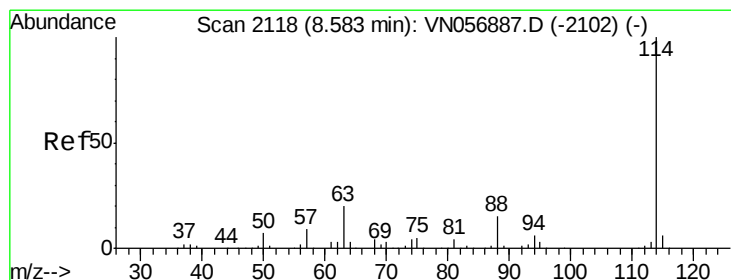
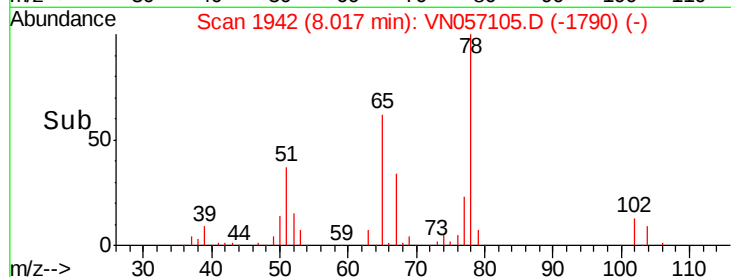
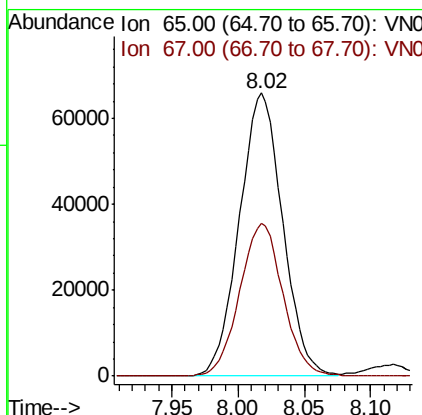
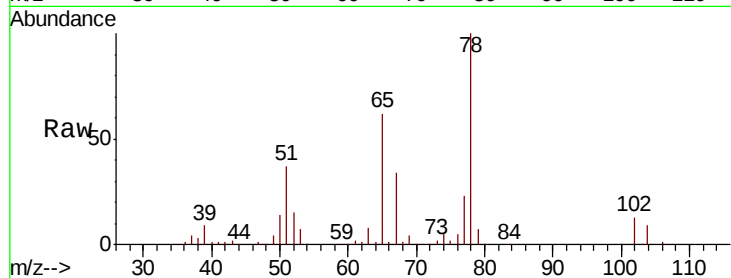




#27
 1,2-Dichloroethane-d4
 Concen: 29.912 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

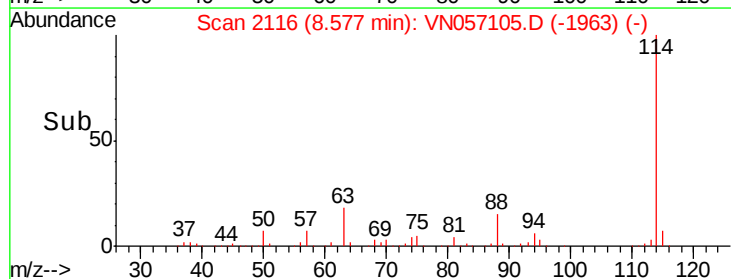
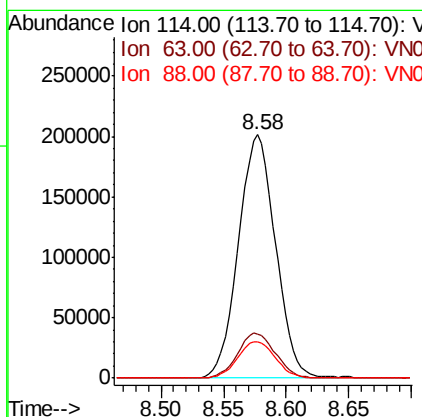
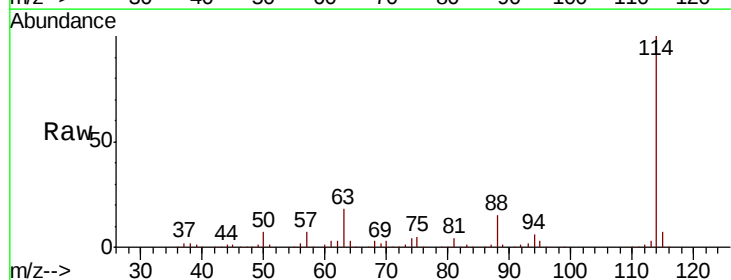
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

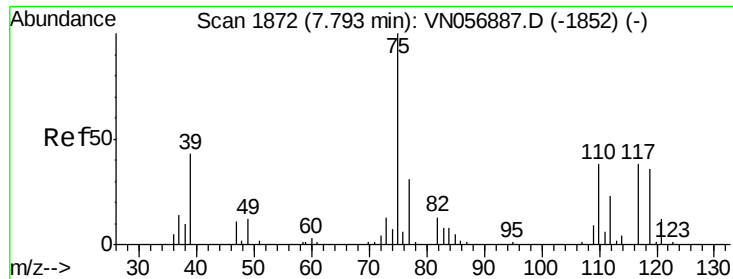
Tgt Ion: 65 Resp: 149645
 Ion Ratio Lower Upper
 65 100
 67 53.9 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion: 114 Resp: 414785
 Ion Ratio Lower Upper
 114 100
 63 18.7 15.8 23.6
 88 15.3 12.5 18.7

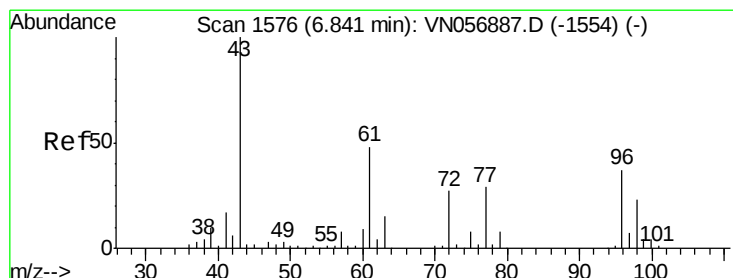
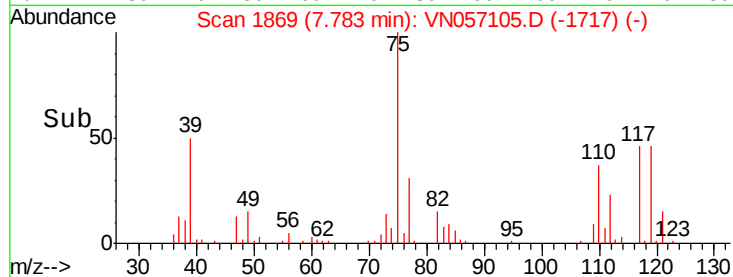
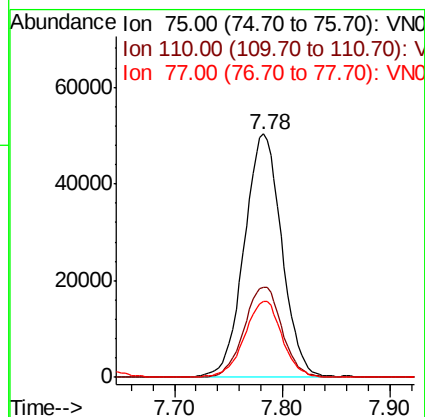
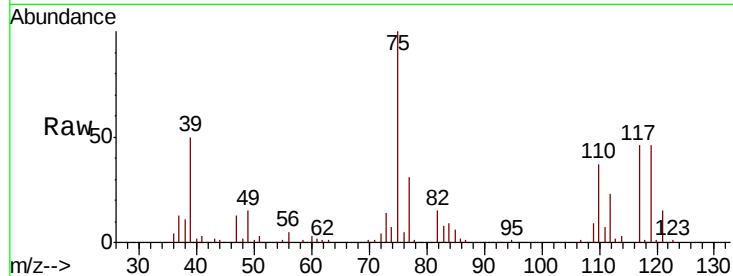




#29
 1,1-Dichloropropene
 Concen: 20.674 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

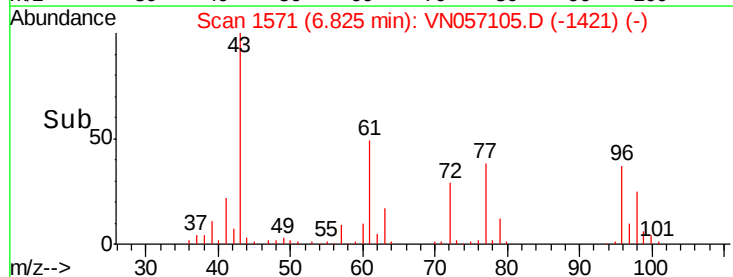
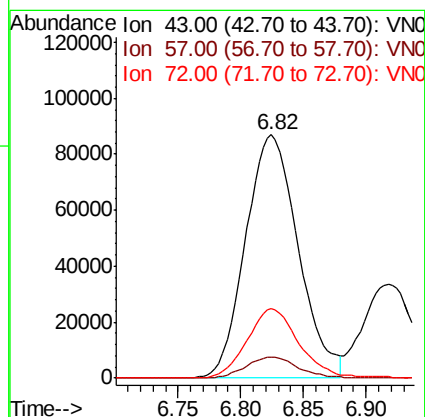
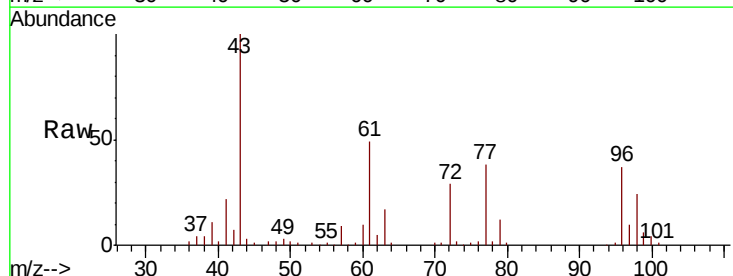
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

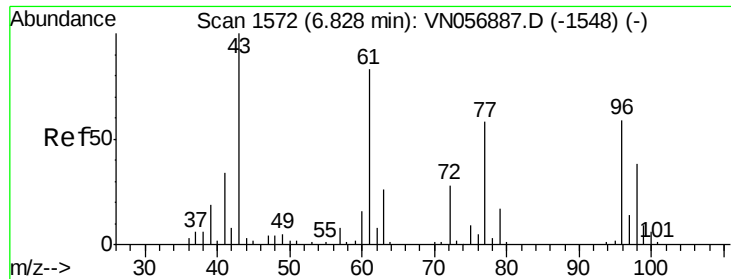
Tgt Ion: 75 Resp: 121694
 Ion Ratio Lower Upper
 75 100
 110 37.2 0.0 75.8
 77 31.1 0.0 64.0



#30
 2-Butanone
 Concen: 107.020 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion: 43 Resp: 253084
 Ion Ratio Lower Upper
 43 100
 57 8.5 6.5 9.7
 72 28.2 22.1 33.1

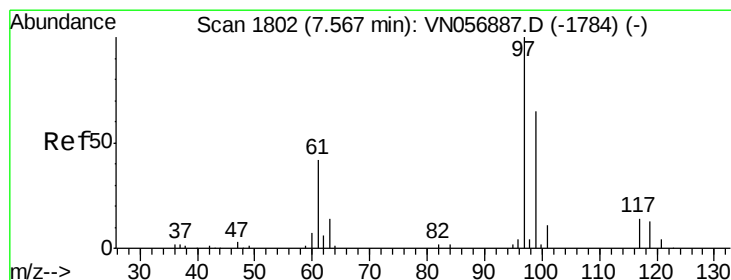
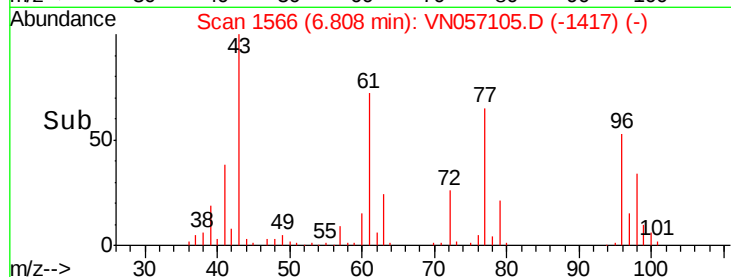
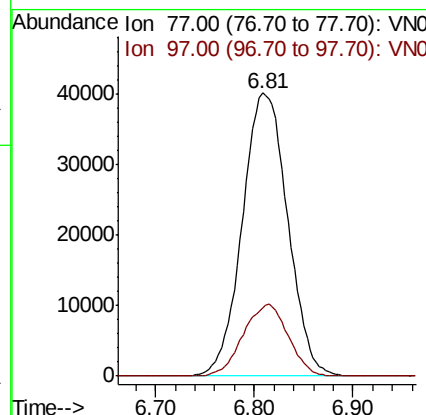
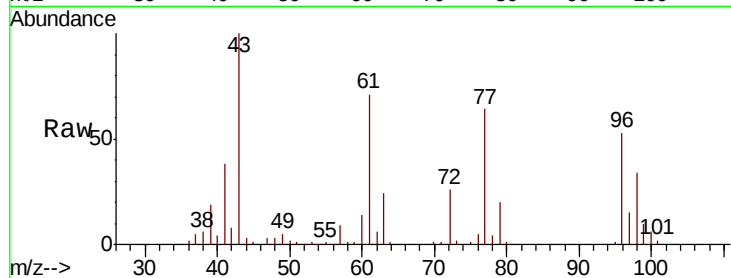




#31
 2,2-Dichloropropane
 Concen: 23.421 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

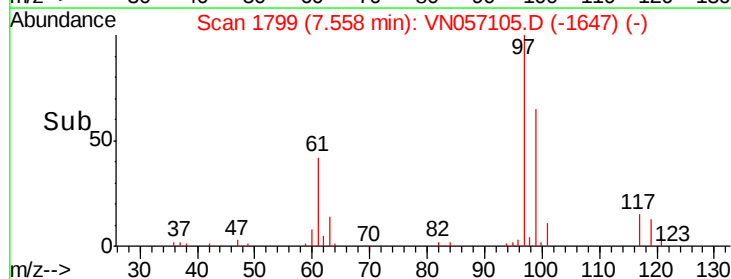
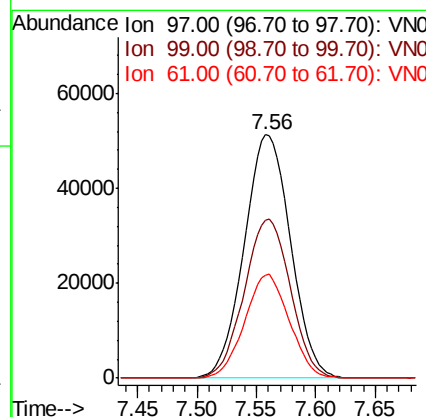
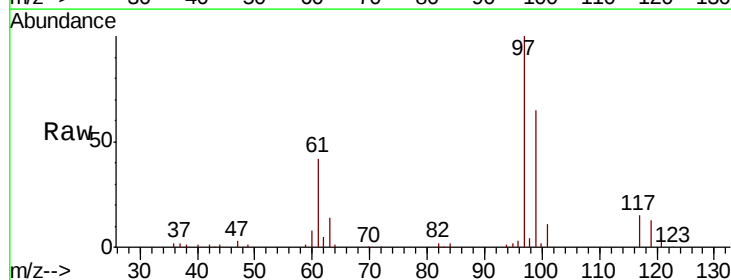
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

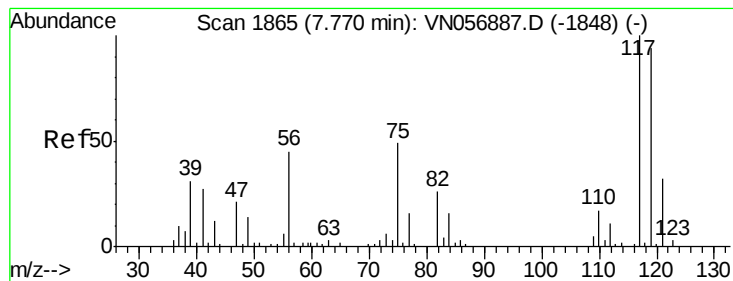
Tgt Ion: 77 Resp: 127931
 Ion Ratio Lower Upper
 77 100
 97 25.1 19.3 28.9



#32
 1,1,1-Trichloroethane
 Concen: 21.407 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion: 97 Resp: 138450
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.3 78.5
 61 41.1 34.4 51.6





#33

Carbon Tetrachloride

Concen: 21.041 ug/l

RT: 7.76 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

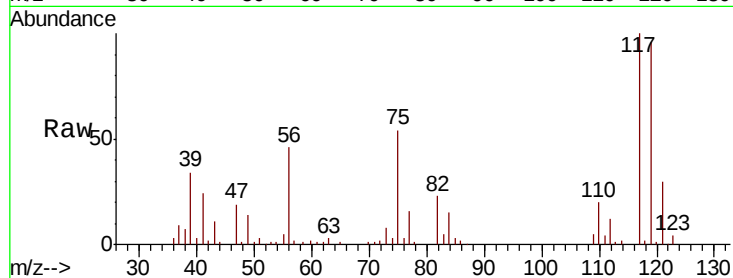
Tgt Ion:117 Resp: 118774

Ion Ratio Lower Upper

117 100

119 96.5 75.1 112.7

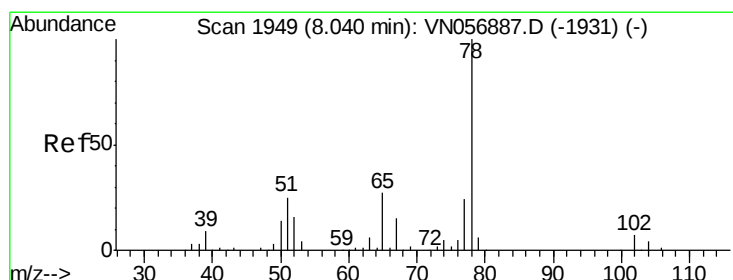
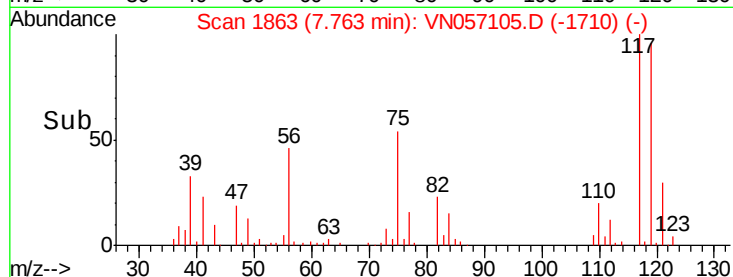
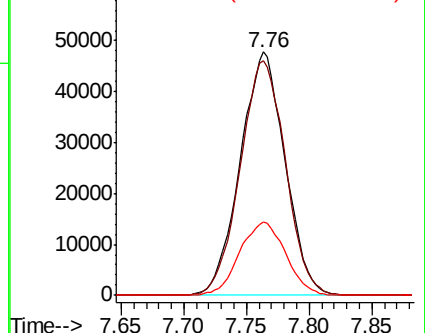
121 30.3 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.481 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

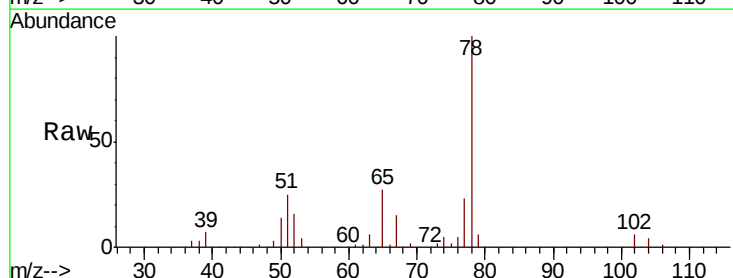
Tgt Ion: 78 Resp: 379851

Ion Ratio Lower Upper

78 100

77 23.4 19.4 29.2

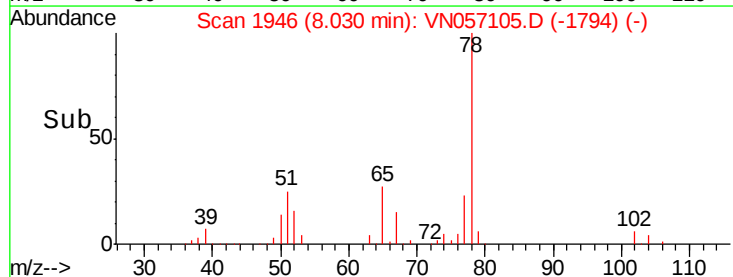
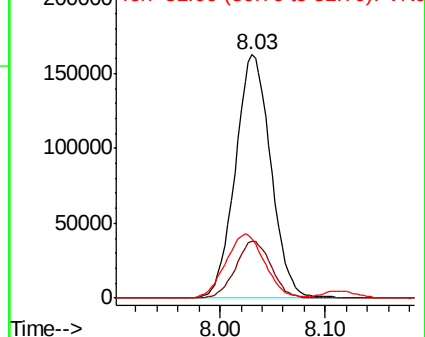
51 24.3 20.4 30.6

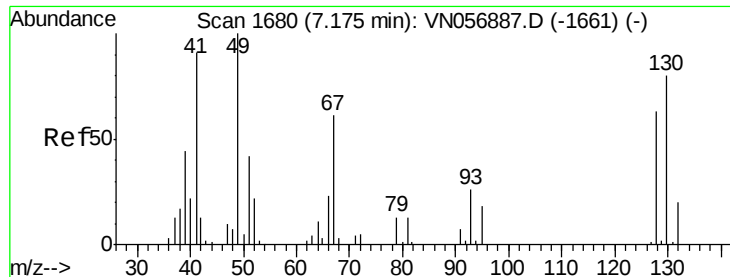


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

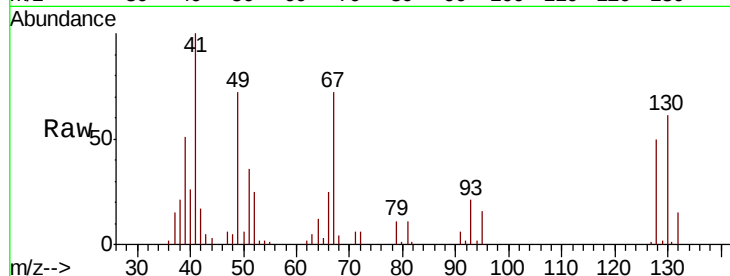




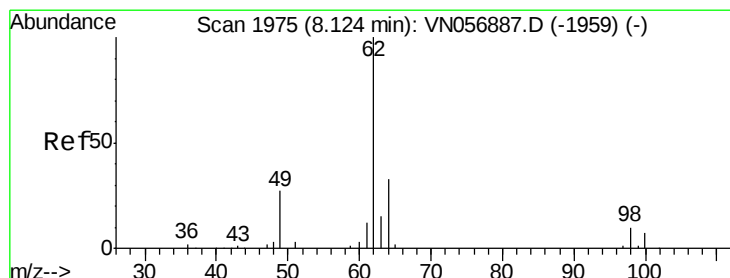
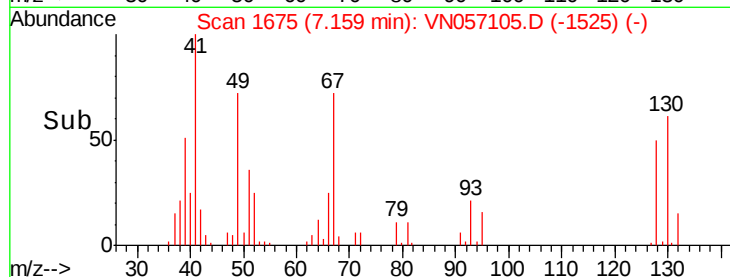
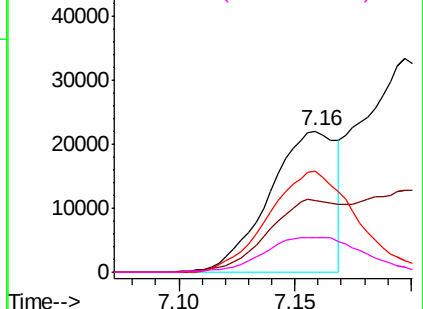
#35
Methacrylonitrile
Concen: 18.864 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.02 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tgt Ion: 41 Resp: 44550
Ion Ratio Lower Upper
41 100
39 50.2 24.4 73.2
67 71.7 33.4 100.1
52 24.1 12.1 36.3

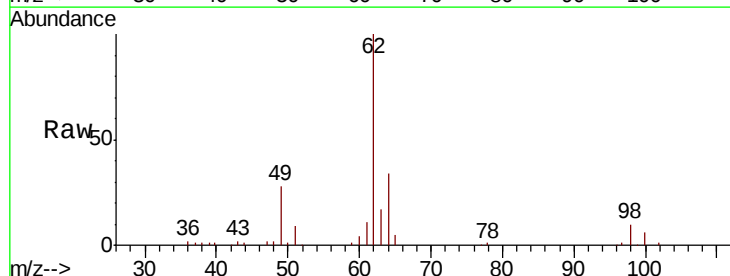


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

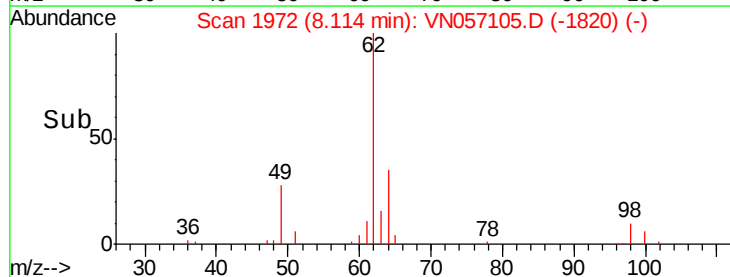
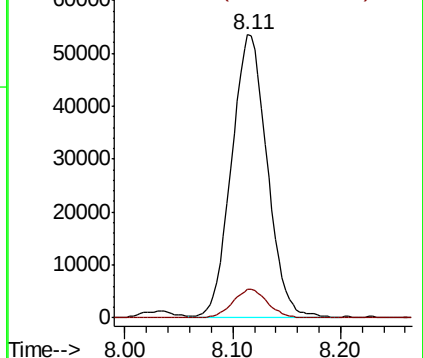


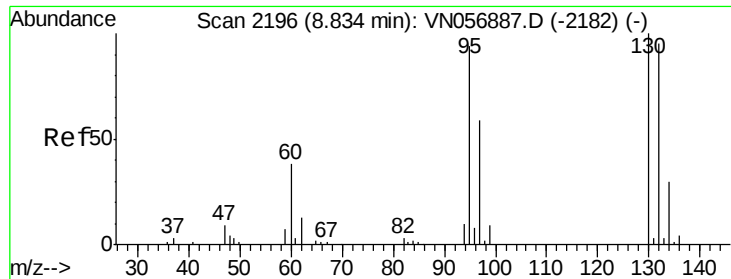
#36
1,2-Dichloroethane
Concen: 21.226 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion: 62 Resp: 122383
Ion Ratio Lower Upper
62 100
98 9.9 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

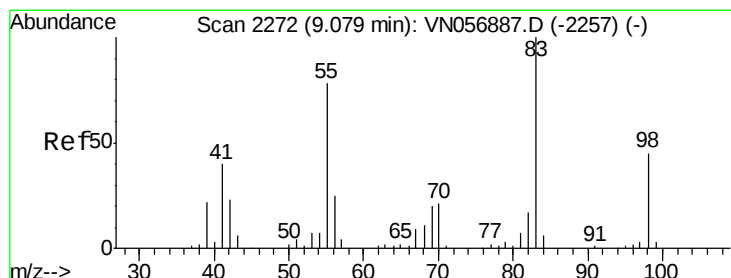
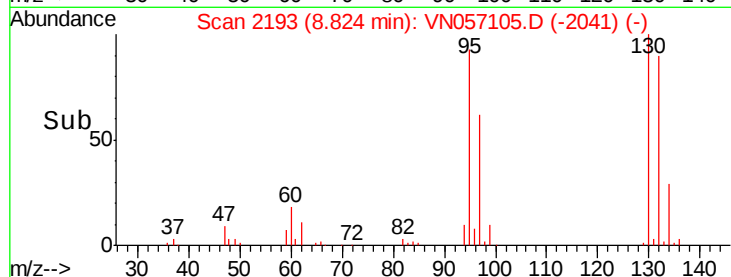
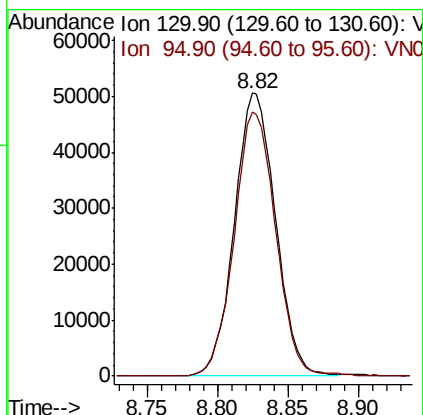
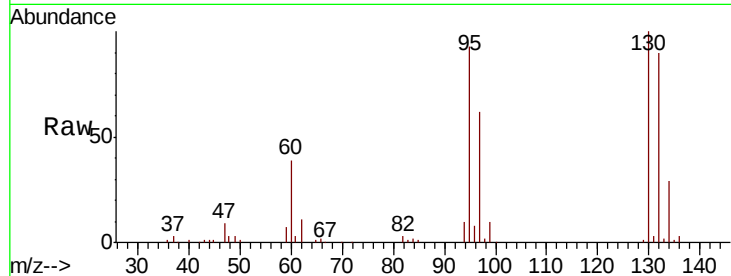




#37
 Trichloroethene
 Concen: 20.768 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

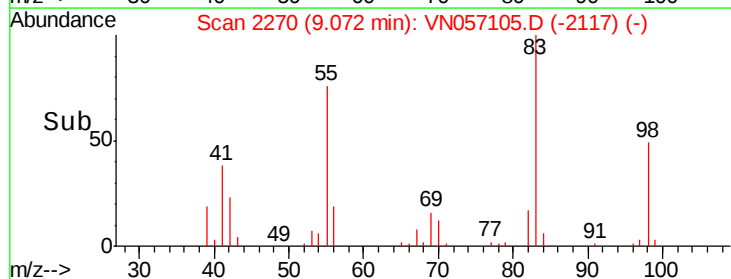
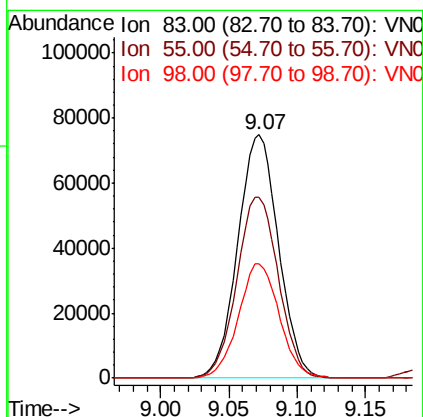
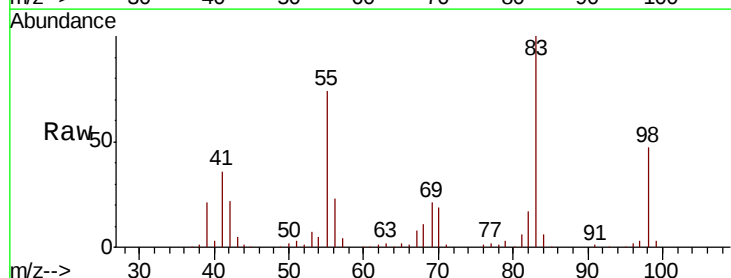
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

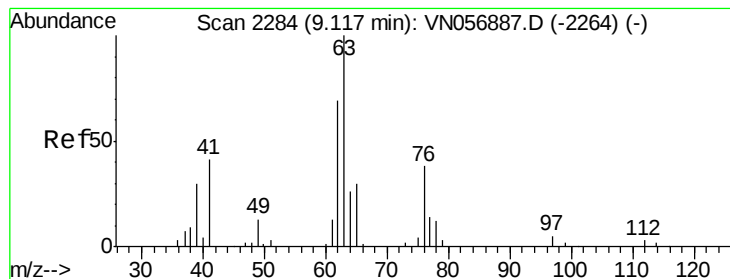
Tgt Ion: 130 Resp: 103263
 Ion Ratio Lower Upper
 130 100
 95 93.4 74.9 112.3



#38
 Methylcyclohexane
 Concen: 20.776 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion: 83 Resp: 155561
 Ion Ratio Lower Upper
 83 100
 55 75.8 38.4 115.1
 98 47.0 22.7 68.0





#39

1,2-Dichloropropane

Concen: 19.533 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

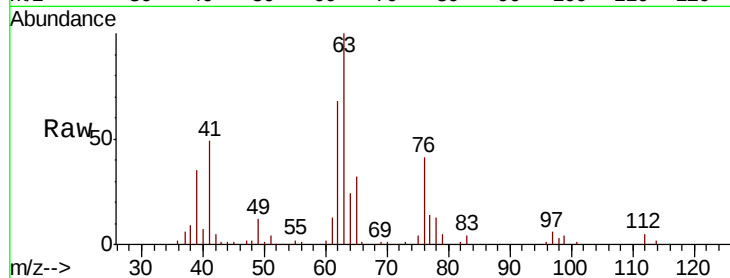
VN0806WBS02

Tgt Ion: 63 Resp: 96699

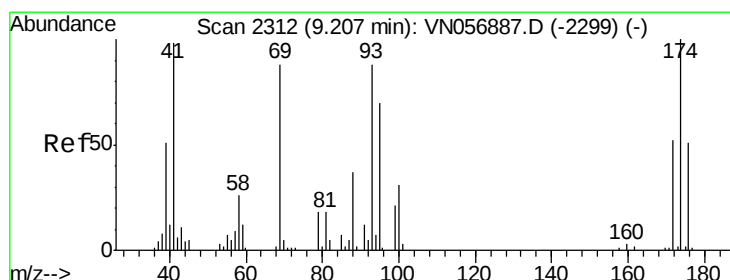
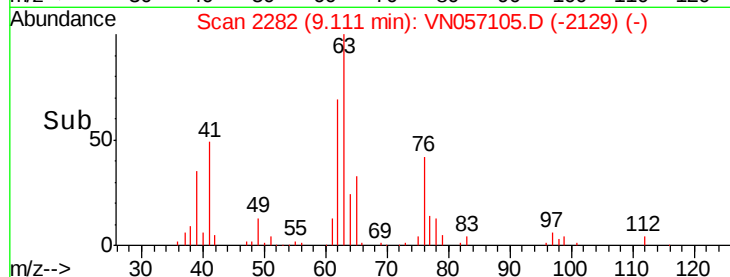
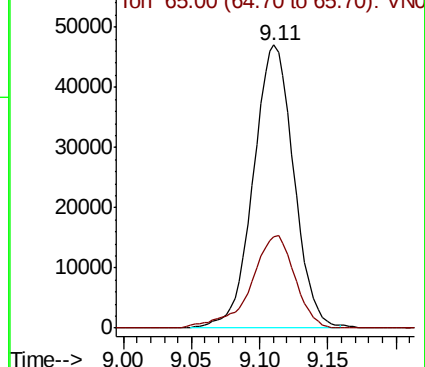
Ion Ratio Lower Upper

63 100

65 32.5 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-2264) (-)



#40

Dibromomethane

Concen: 20.925 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

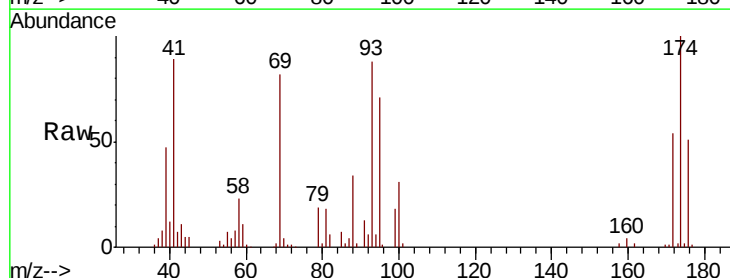
Tgt Ion: 93 Resp: 63550

Ion Ratio Lower Upper

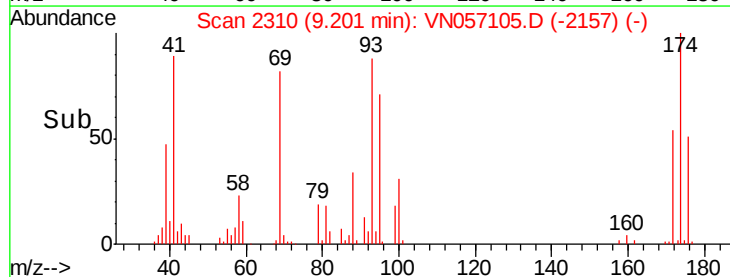
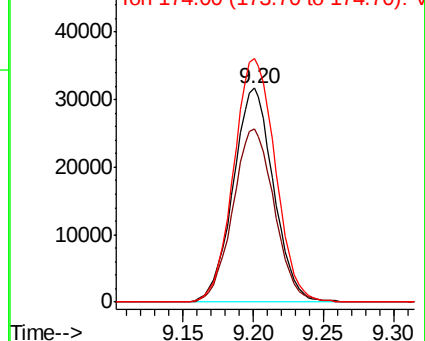
93 100

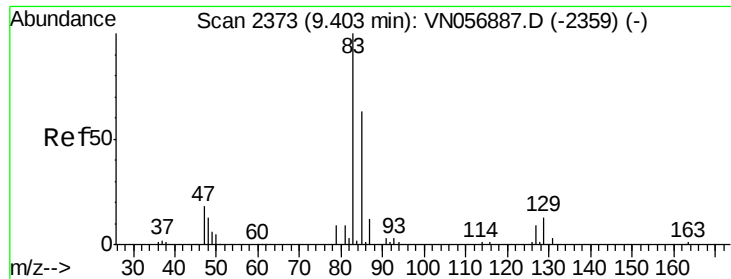
95 82.9 0.0 165.8

174 117.3 0.0 232.4



Abundance Ion 93.00 (92.70 to 93.70): VN056887.D (-2299) (-)

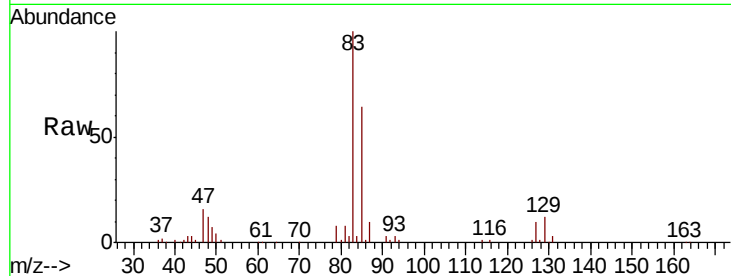




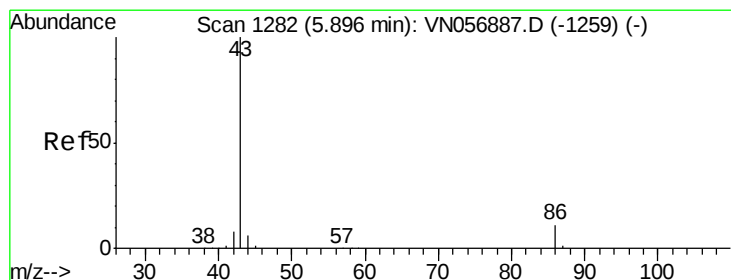
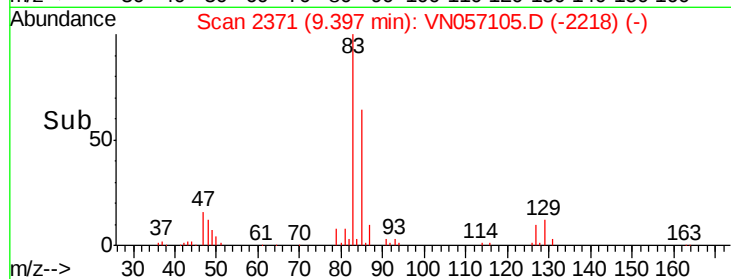
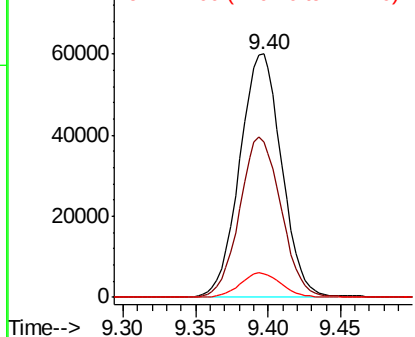
#41
 Bromodichloromethane
 Concen: 20.652 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tgt Ion: 83 Resp: 120521
 Ion Ratio Lower Upper
 83 100
 85 63.8 50.6 75.8
 127 10.6 7.2 10.8

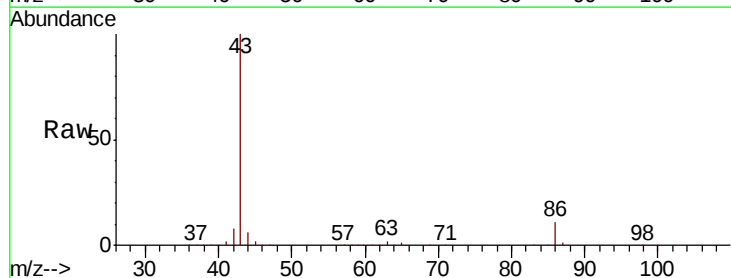


Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 85.00 (84.70 to 85.70): VNO
 Ion 127.00 (126.70 to 127.70): VNO

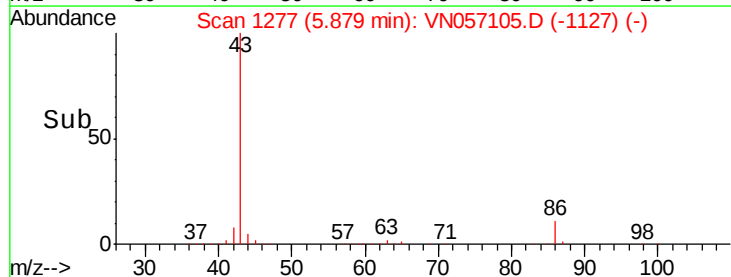
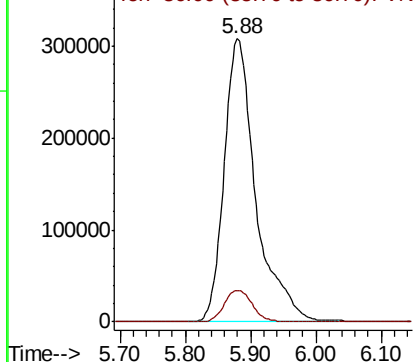


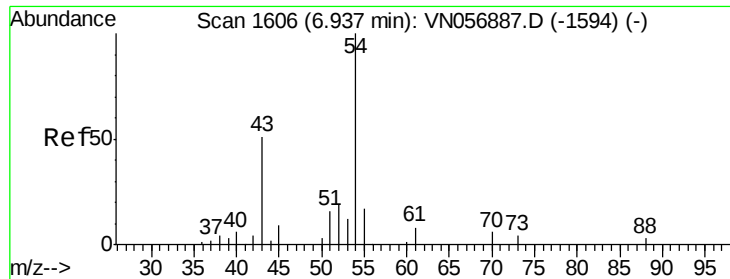
#42
 Vinyl Acetate
 Concen: 98.713 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. -0.02 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion: 43 Resp: 1039593
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 86.00 (85.70 to 86.70): VNO





#43

Ethyl Acetate

Concen: 20.061 ug/l

RT: 6.92 min Scan# 1600

Delta R.T. -0.02 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

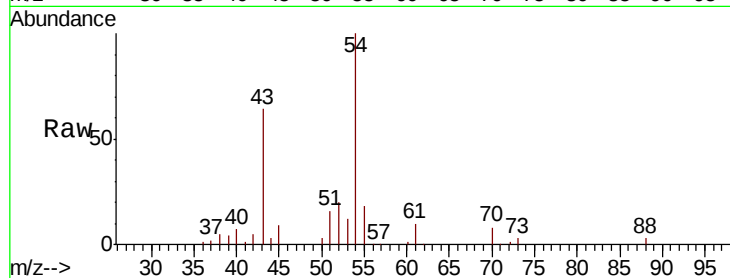
VN0806WBS02

Tgt Ion: 43 Resp: 97256

Ion Ratio Lower Upper

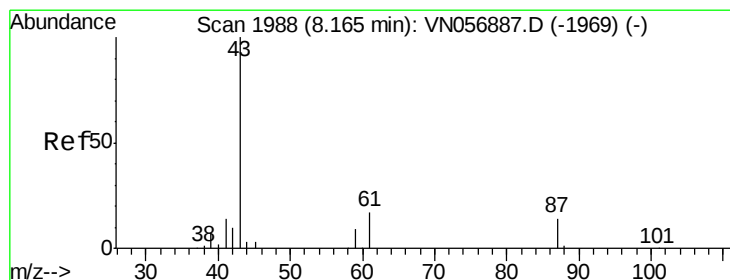
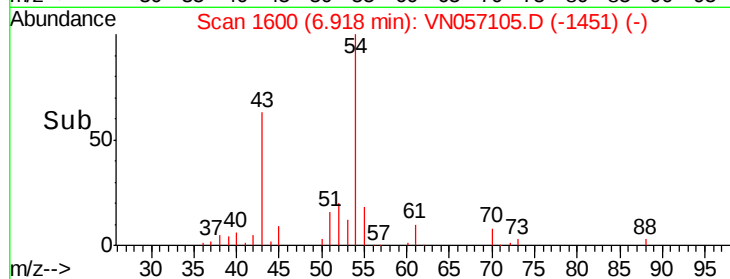
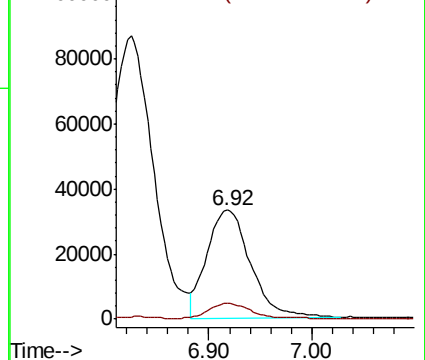
43 100

45 13.1 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 21.164 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VN057105.D

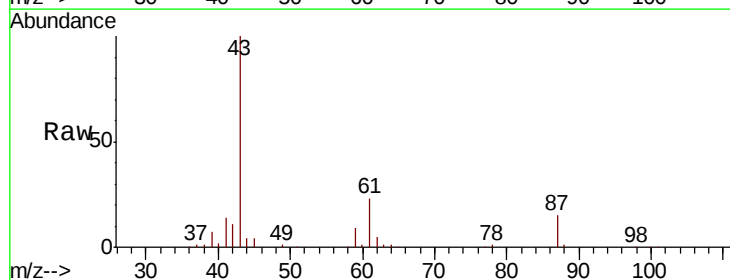
Acq: 6 Aug 2019 16:03

Tgt Ion: 43 Resp: 171021

Ion Ratio Lower Upper

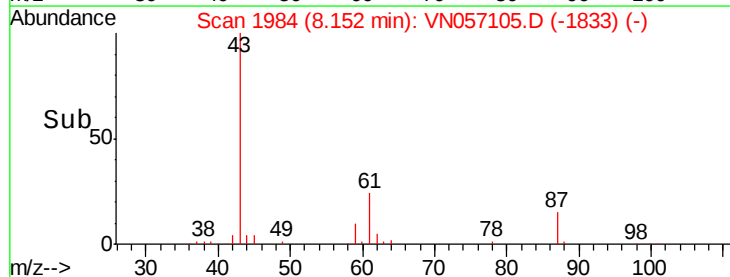
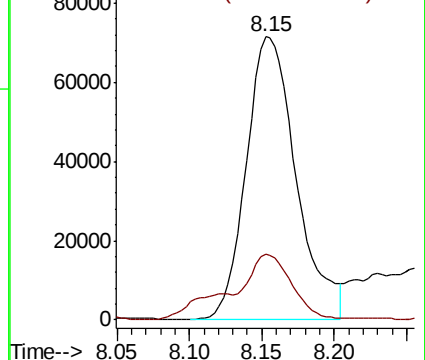
43 100

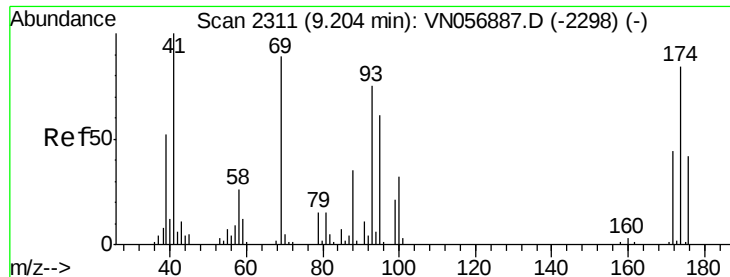
61 19.2 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 414.201 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

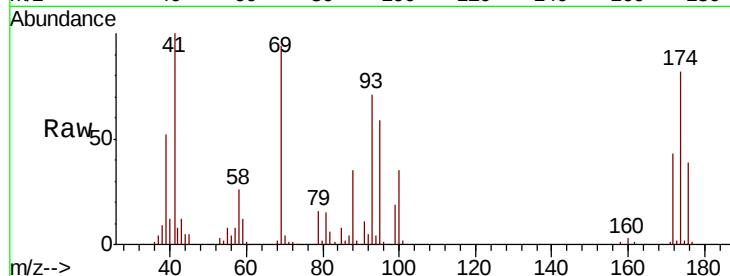
Tgt Ion: 88 Resp: 31865

Ion Ratio Lower Upper

88 100

43 28.5 23.4 35.0

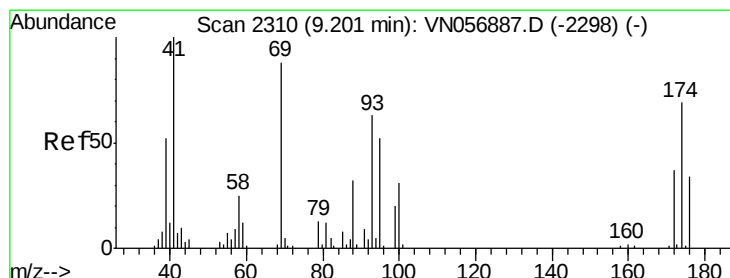
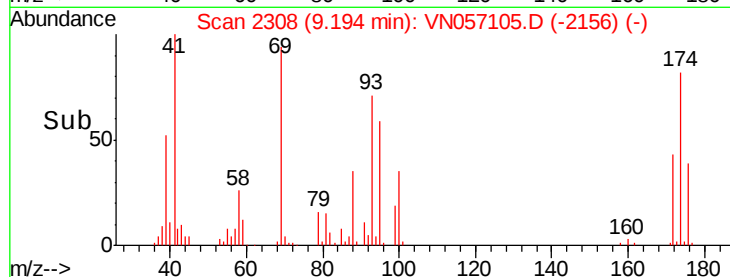
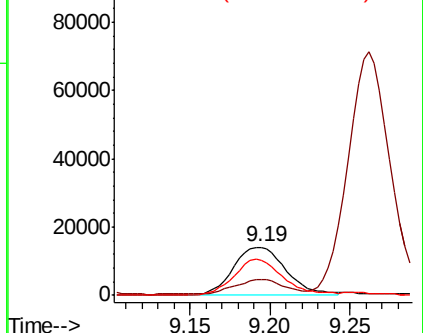
58 69.5 58.5 87.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 19.066 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

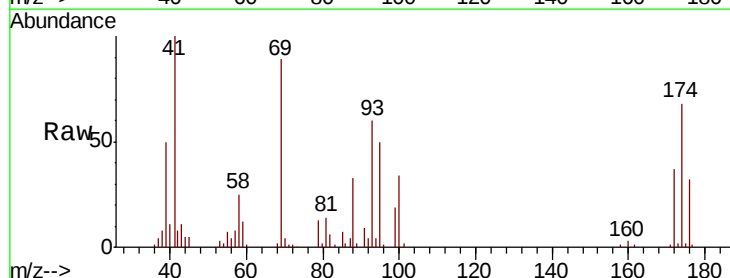
Tgt Ion: 41 Resp: 76862

Ion Ratio Lower Upper

41 100

69 89.9 44.0 132.0

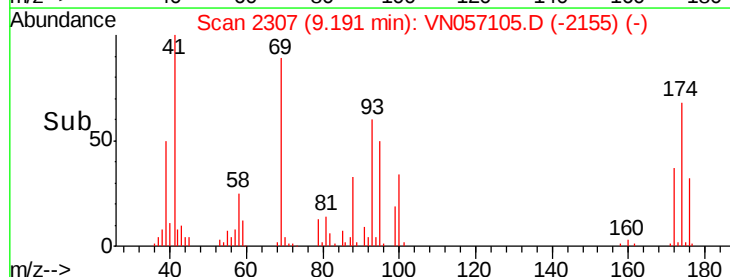
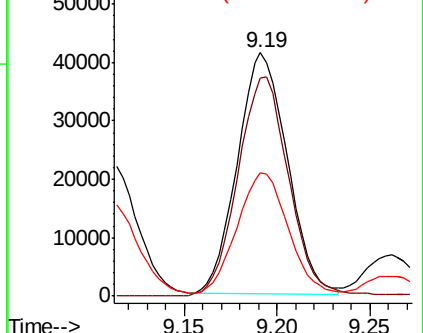
39 49.6 25.8 77.4

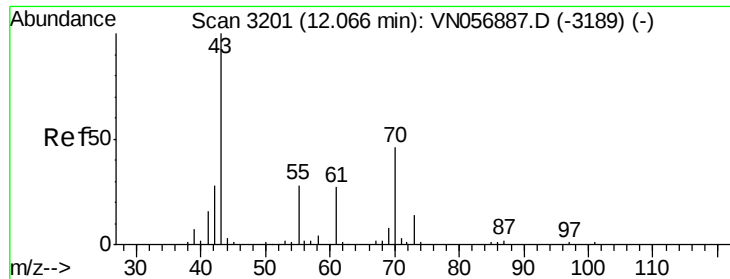


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

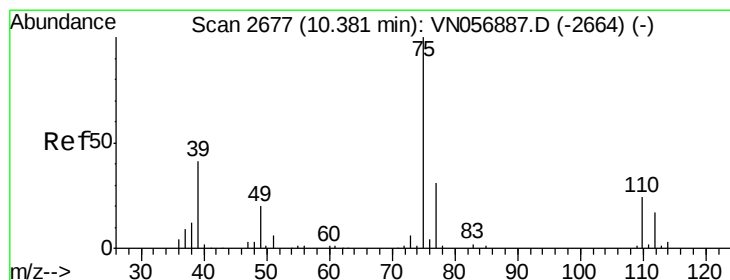
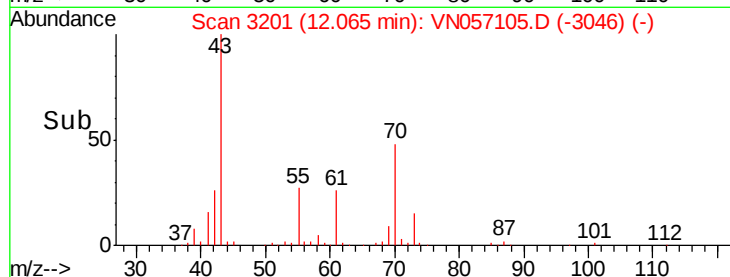
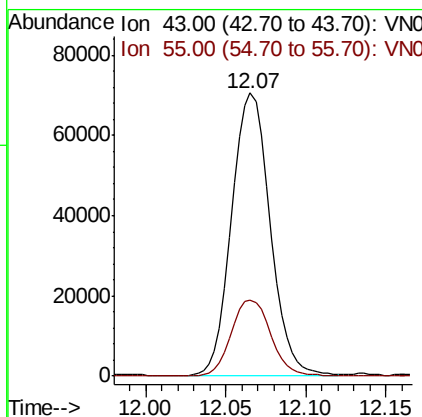
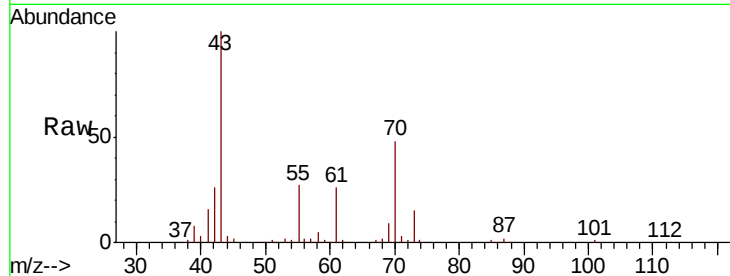




#47
n-amyl Acetate
Concen: 17.774 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

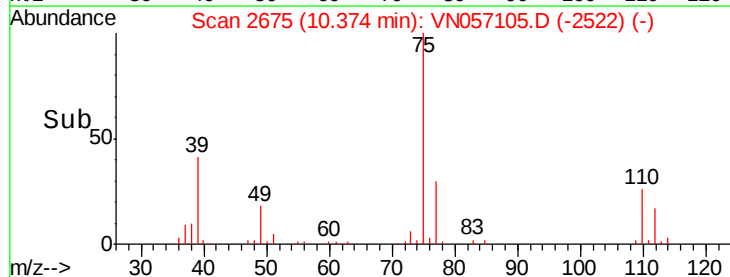
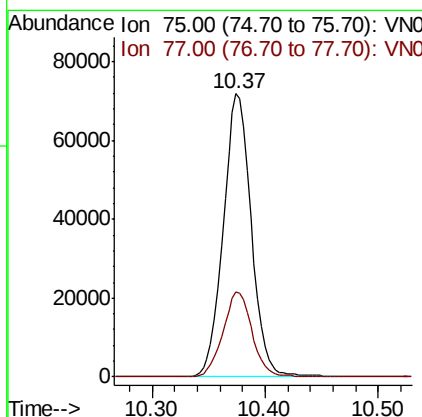
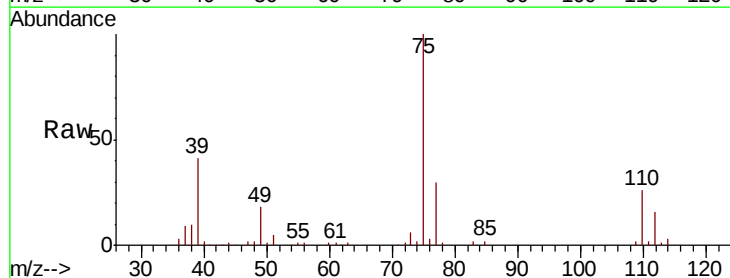
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

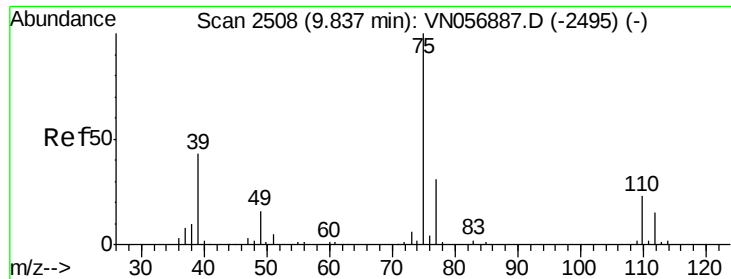
Tgt Ion: 43 Resp: 114981
Ion Ratio Lower Upper
43 100
55 27.9 21.3 31.9



#48
t-1,3-Dichloropropene
Concen: 20.376 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion: 75 Resp: 123738
Ion Ratio Lower Upper
75 100
77 30.2 25.4 38.0

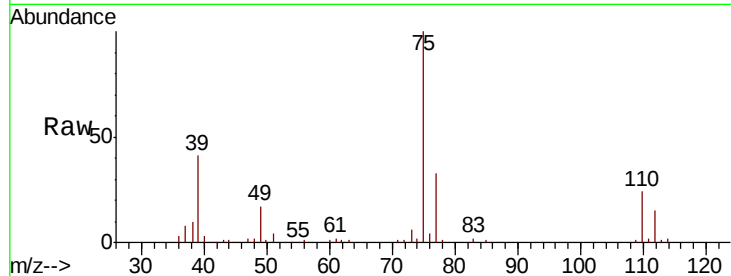




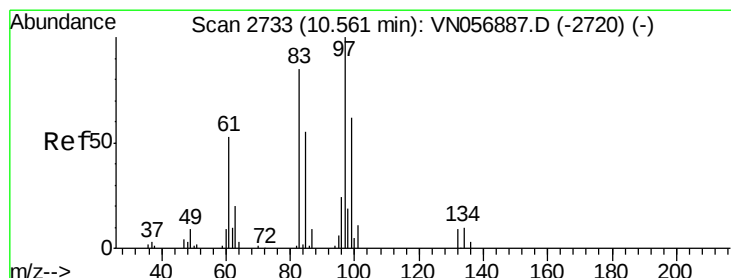
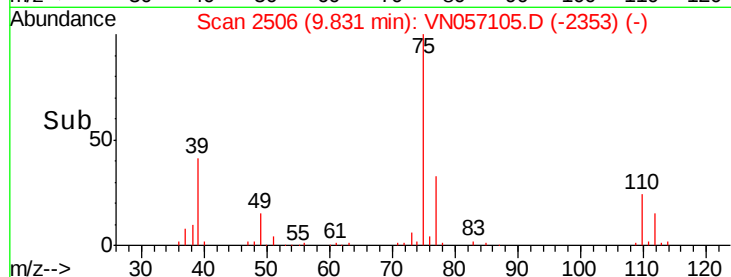
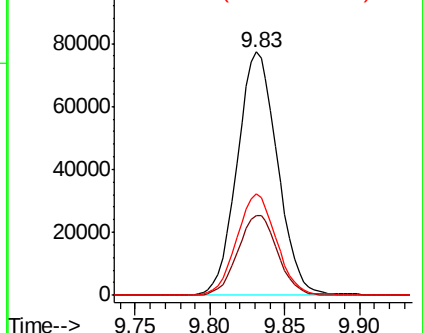
#49
 cis-1,3-Dichloropropene
 Concen: 20.480 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tgt Ion: 75 Resp: 144928
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.4 36.6
 39 41.5 34.2 51.4

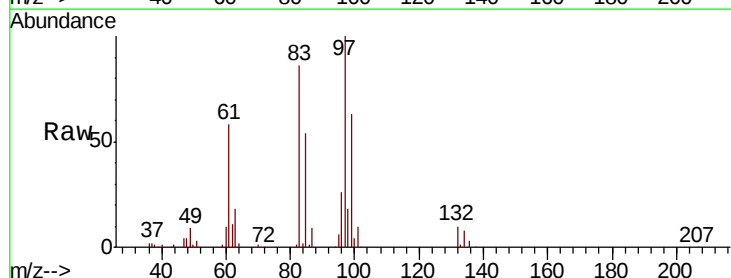


Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

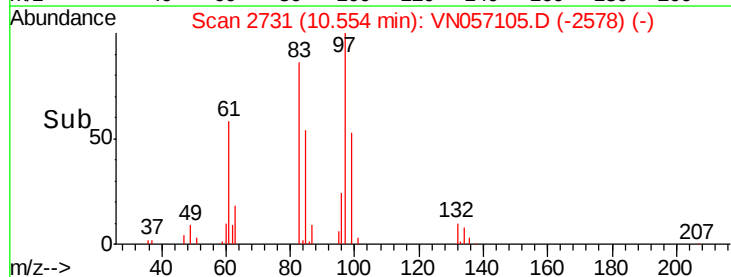
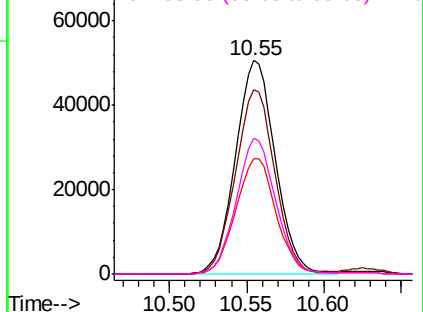


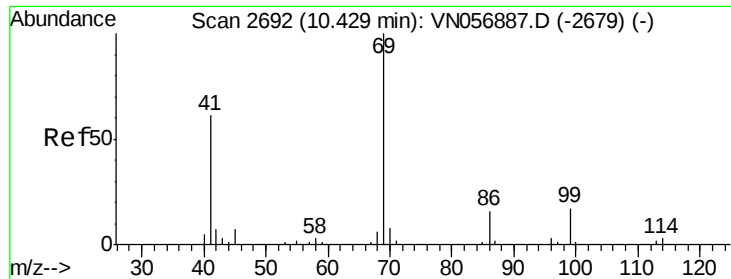
#50
 1,1,2-Trichloroethane
 Concen: 20.801 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion: 97 Resp: 90700
 Ion Ratio Lower Upper
 97 100
 83 86.2 68.4 102.6
 85 54.0 44.3 66.5
 99 63.4 49.4 74.2



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.729 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

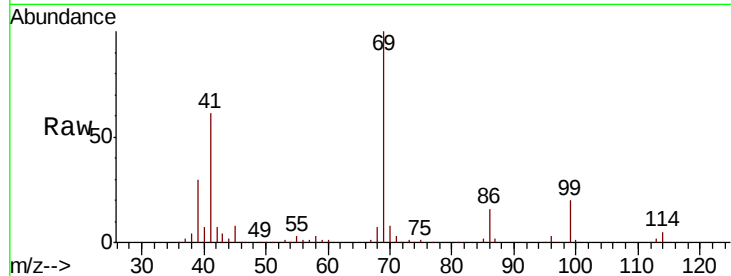
Tgt Ion: 69 Resp: 124430

Ion Ratio Lower Upper

69 100

41 60.5 30.4 91.3

39 29.2 14.2 42.6

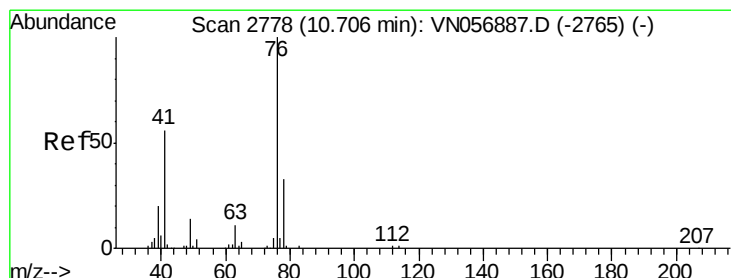
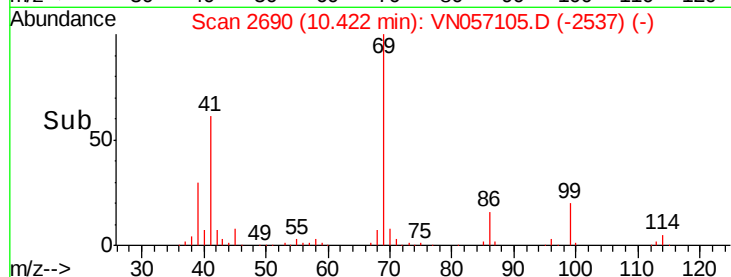
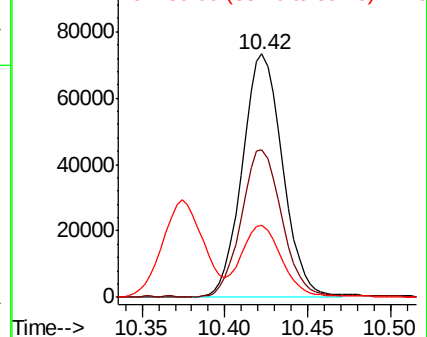


Abundance

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



#52

1,3-Dichloropropane

Concen: 20.641 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.01 min

Lab File: VN057105.D

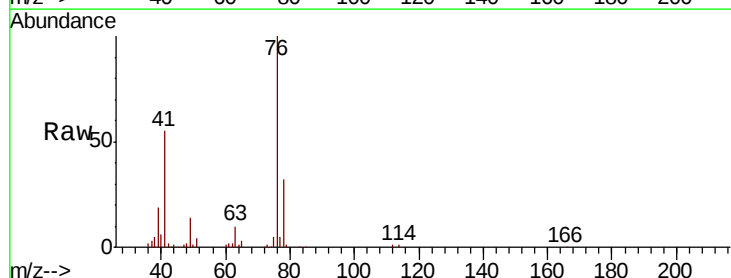
Acq: 6 Aug 2019 16:03

Tgt Ion: 76 Resp: 151898

Ion Ratio Lower Upper

76 100

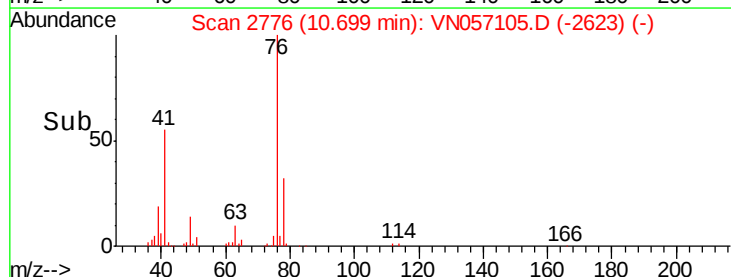
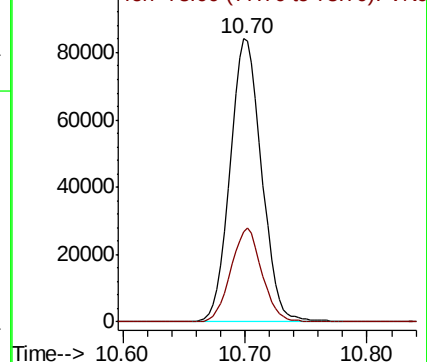
78 32.6 0.0 64.2

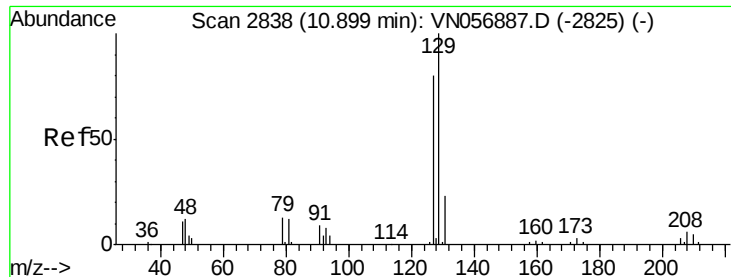


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.754 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

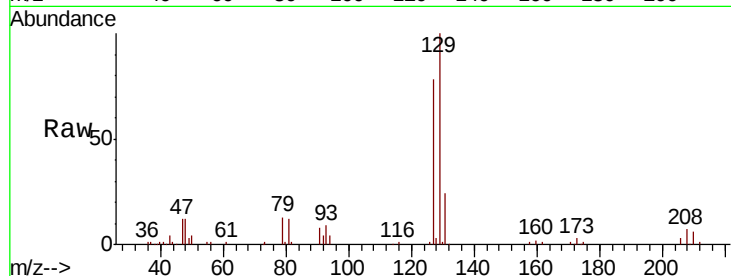
VN0806WBS02

Tgt Ion:129 Resp: 94065

Ion Ratio Lower Upper

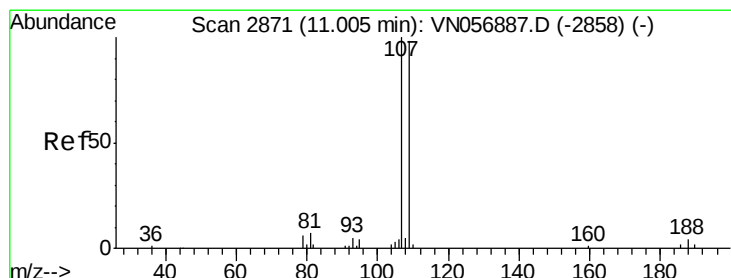
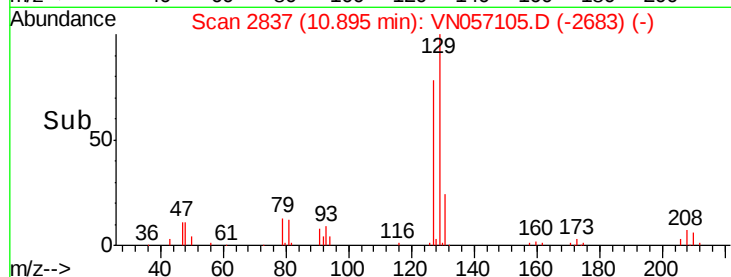
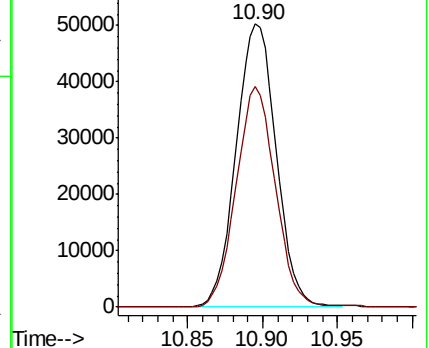
129 100

127 75.9 38.8 116.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.196 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057105.D

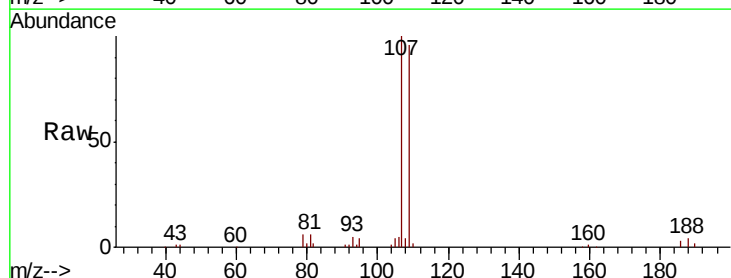
Acq: 6 Aug 2019 16:03

Tgt Ion:107 Resp: 94287

Ion Ratio Lower Upper

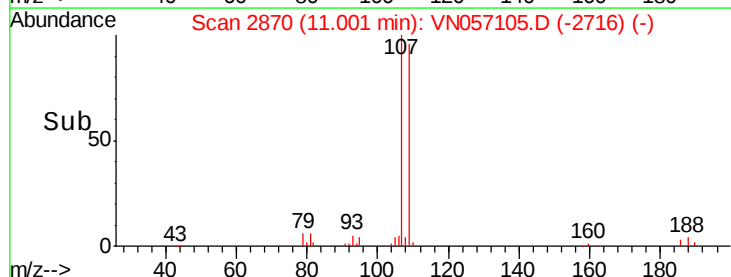
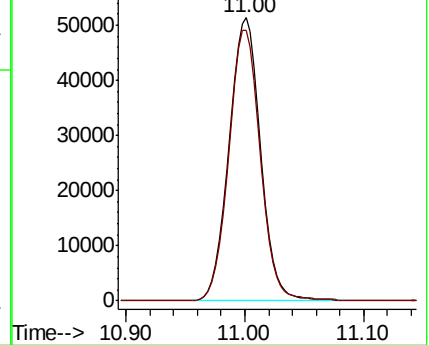
107 100

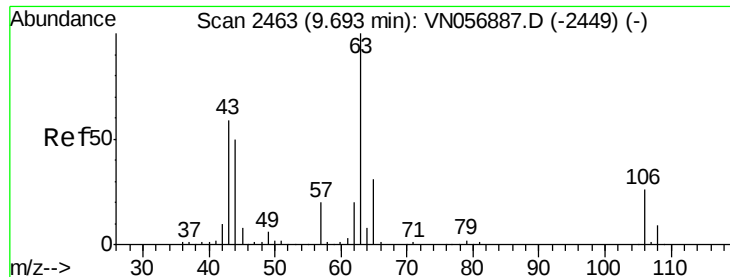
109 95.7 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

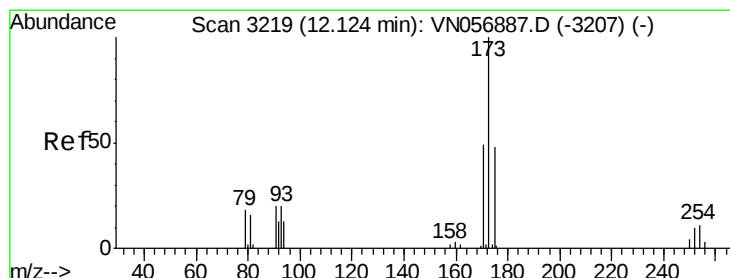
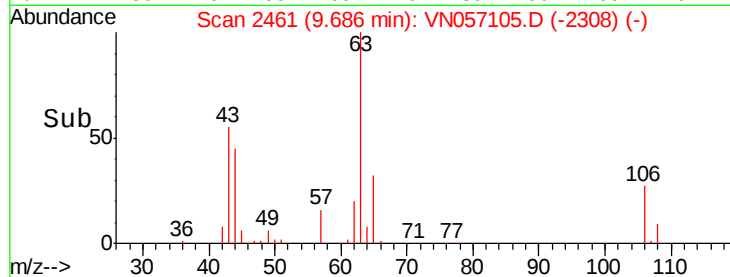
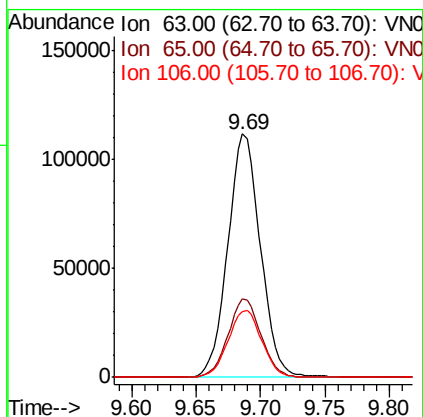
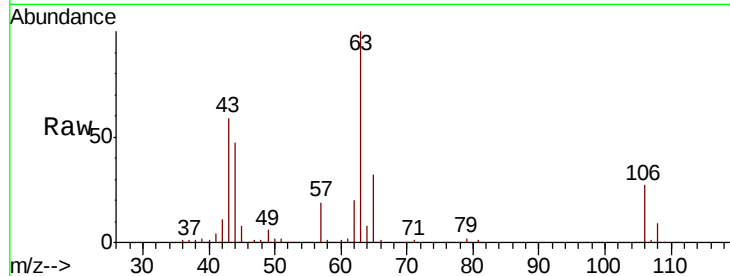




#55
 2-Chloroethyl vinyl ether
 Concen: 71.737 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

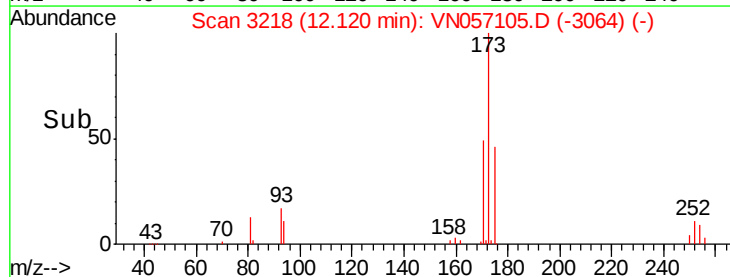
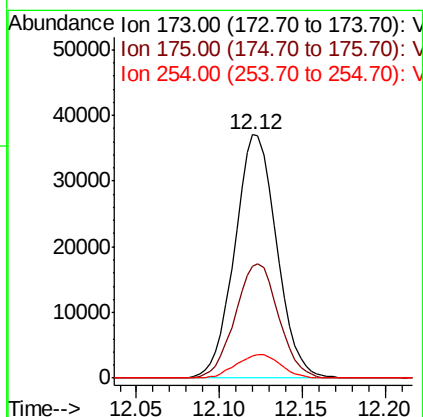
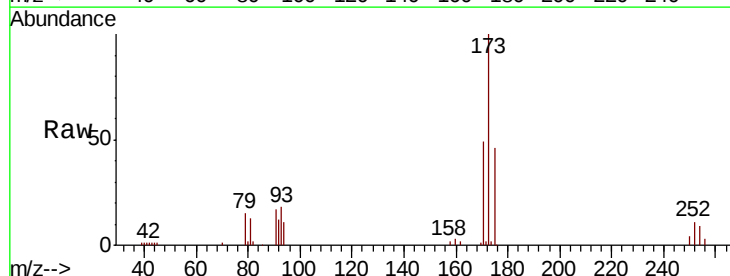
Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS02

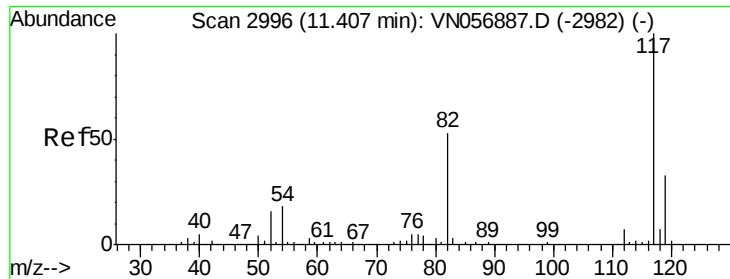
Tgt Ion: 63 Resp: 195948
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.1 37.7
 106 28.4 21.5 32.3



#56
 Bromoform
 Concen: 20.840 ug/l
 RT: 12.12 min Scan# 3218
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion: 173 Resp: 65353
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.8 58.2
 254 10.2 8.1 12.1

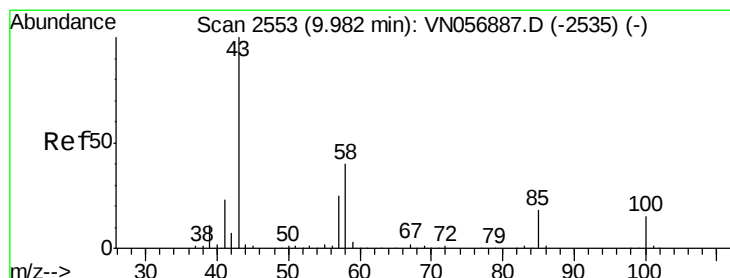
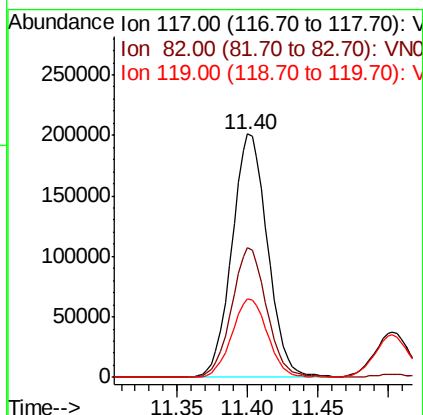
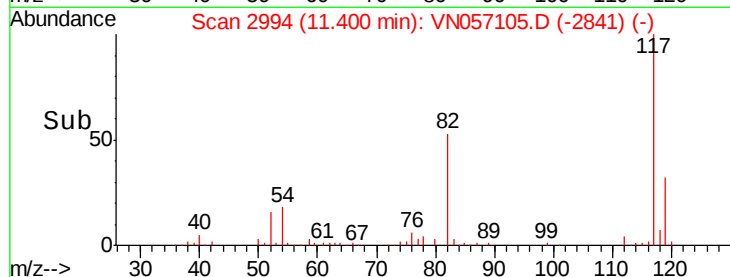
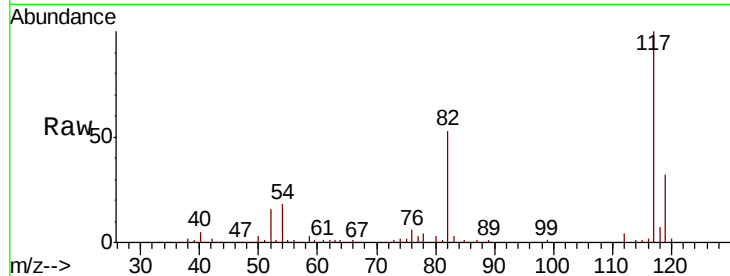




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

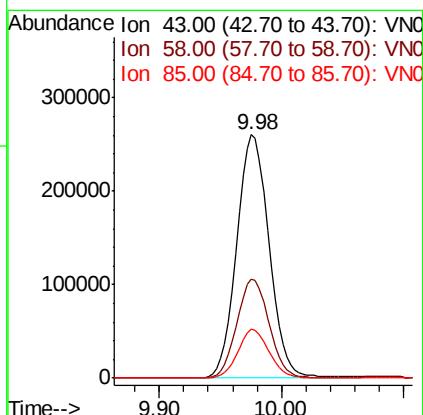
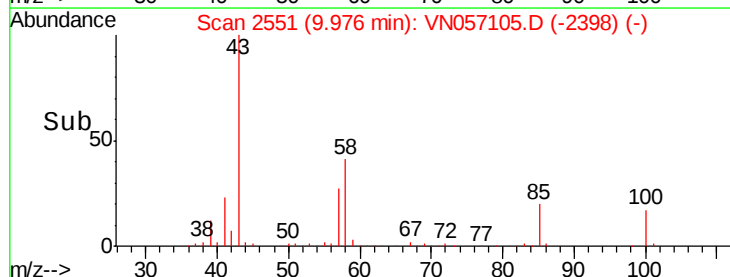
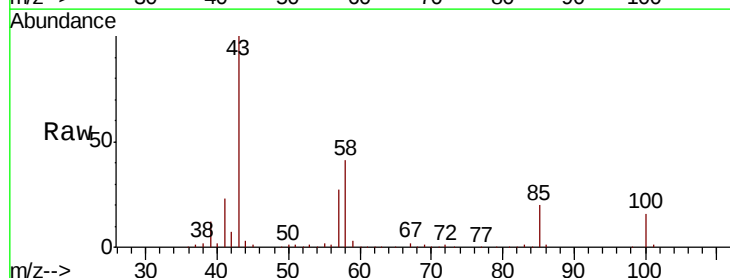
Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

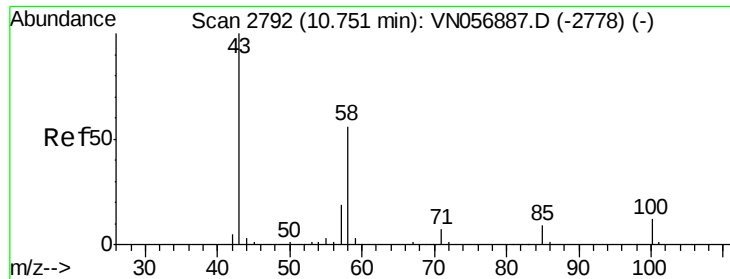
Tgt Ion: 117 Resp: 355229
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 32.4 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 100.064 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion: 43 Resp: 477006
Ion Ratio Lower Upper
43 100
58 40.5 31.7 47.5
85 19.5 14.5 21.7

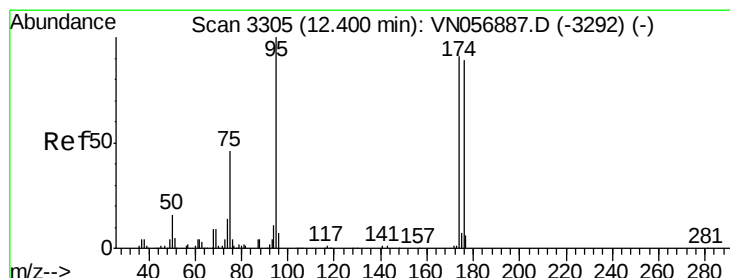
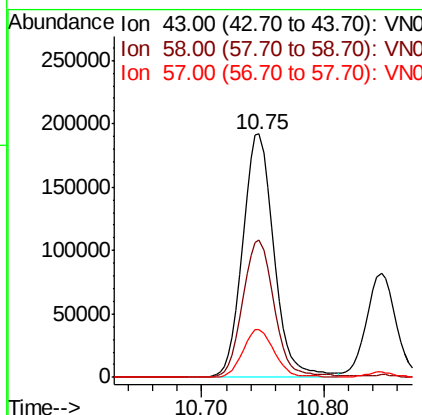
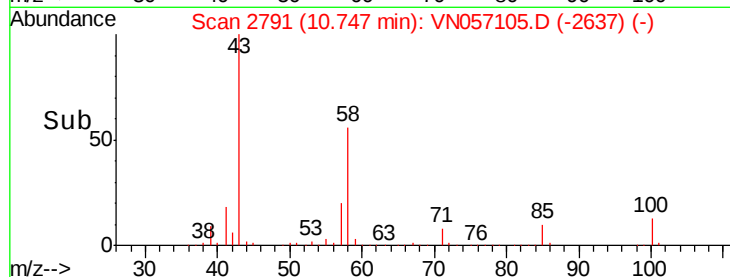
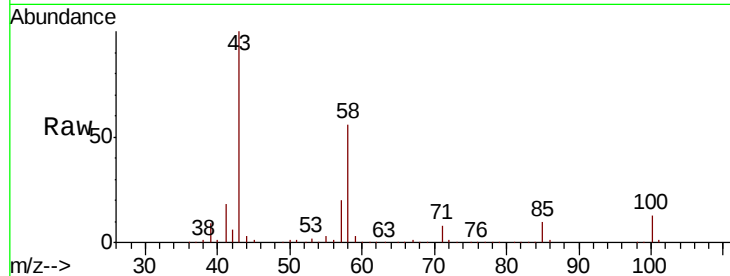




#59
2-Hexanone
Concen: 104.056 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

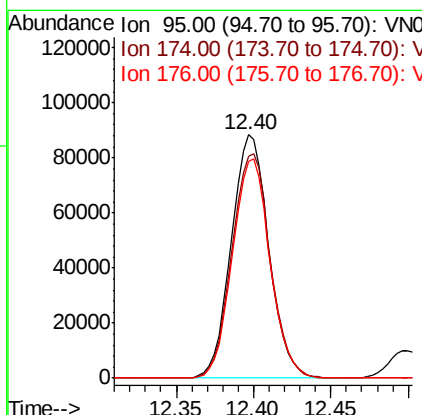
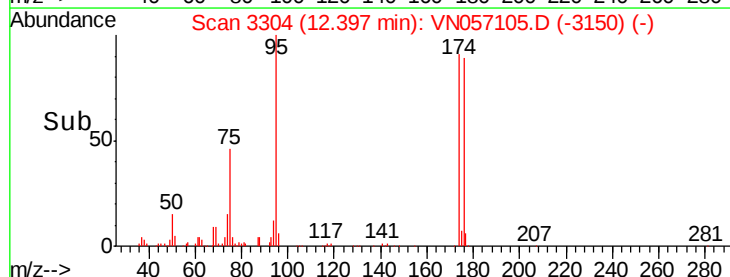
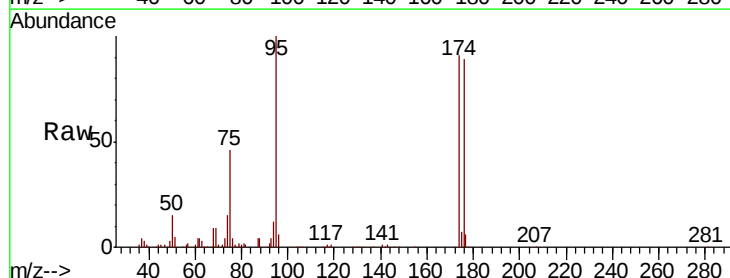
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

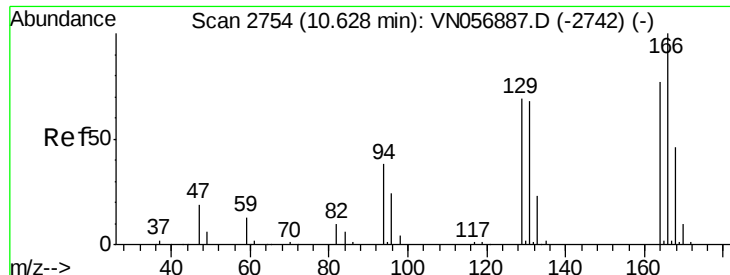
Tgt Ion: 43 Resp: 338010
Ion Ratio Lower Upper
43 100
58 57.3 45.0 67.4
57 20.0 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 27.865 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion: 95 Resp: 148358
Ion Ratio Lower Upper
95 100
174 94.6 71.9 107.9
176 90.4 69.8 104.8

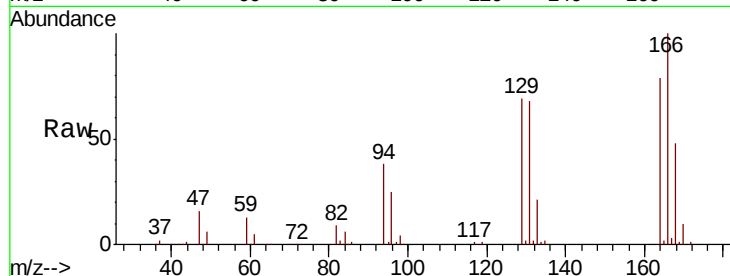




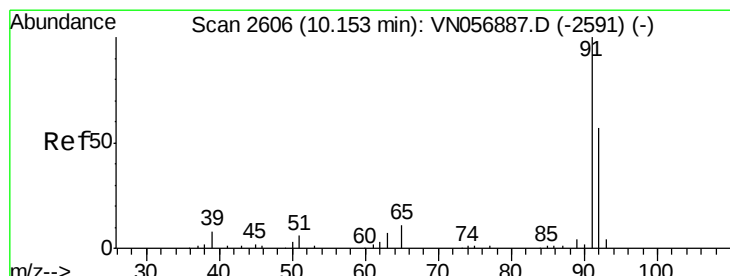
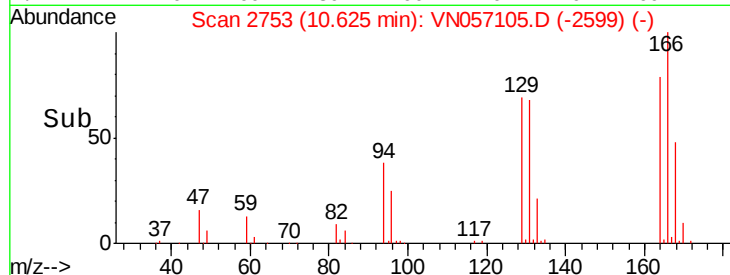
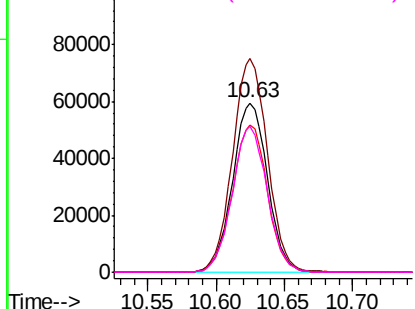
#61
Tetrachloroethene
Concen: 21.239 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tgt Ion:164 Resp: 105739
Ion Ratio Lower Upper
164 100
166 126.3 103.9 155.9
129 87.4 72.4 108.6
131 86.0 70.3 105.5

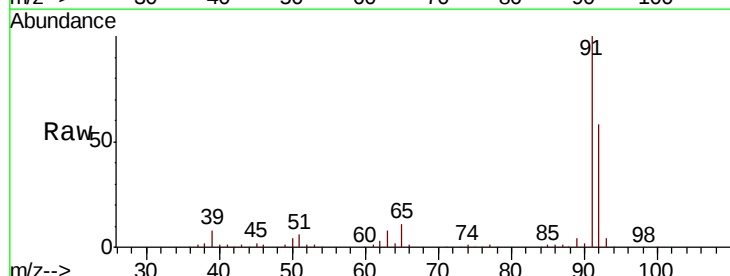


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

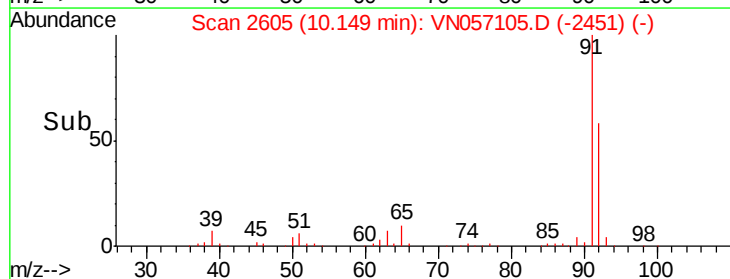
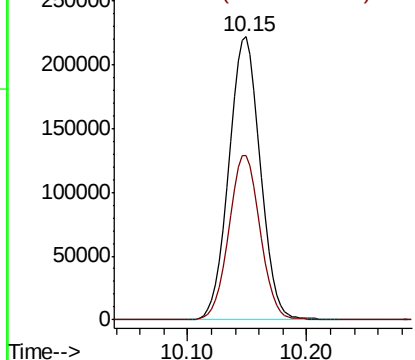


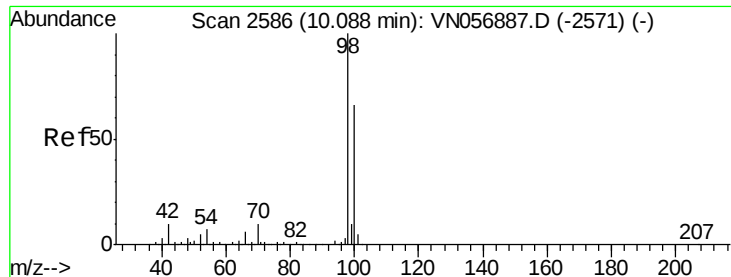
#62
Toluene
Concen: 21.017 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion: 91 Resp: 406050
Ion Ratio Lower Upper
91 100
92 57.9 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.815 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

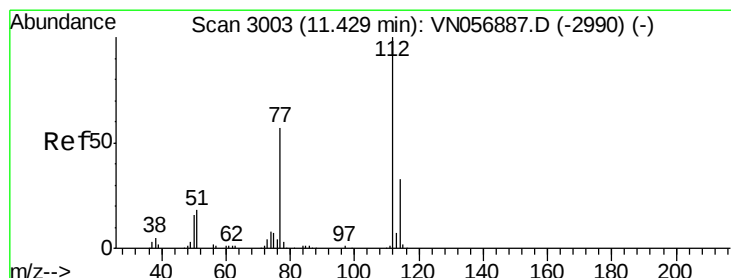
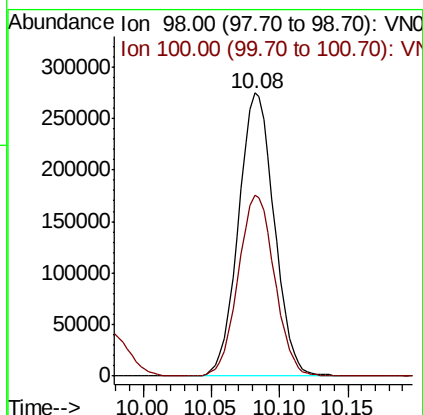
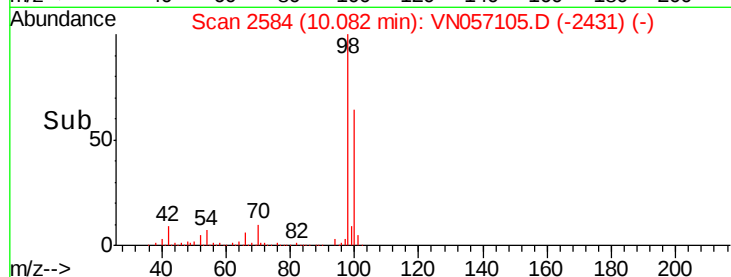
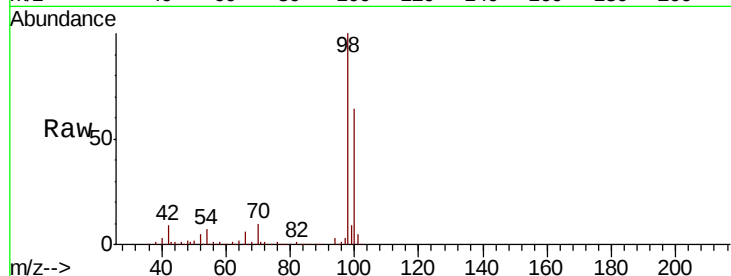
VN0806WBS02

Tgt Ion: 98 Resp: 500294

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.2



#64

Chlorobenzene

Concen: 21.135 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN057105.D

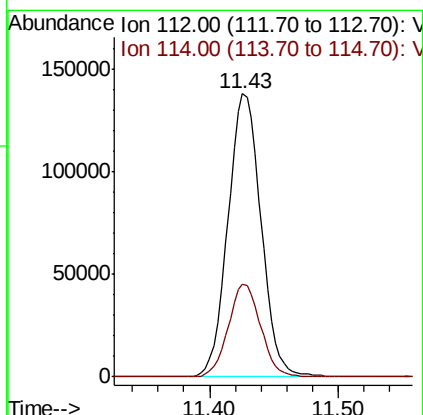
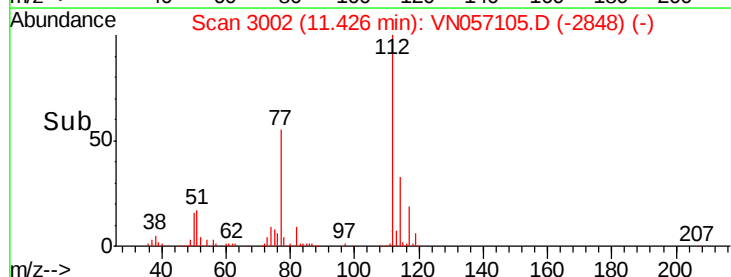
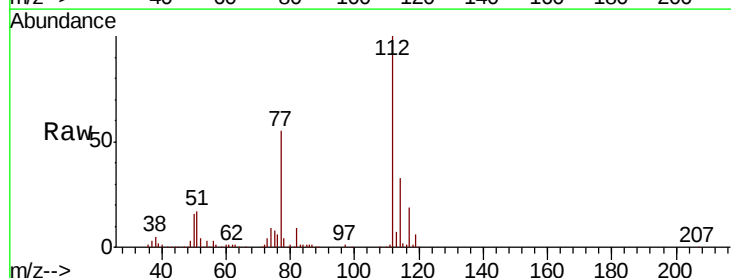
Acq: 6 Aug 2019 16:03

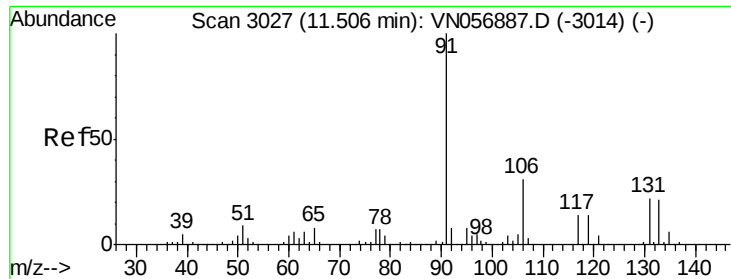
Tgt Ion: 112 Resp: 245960

Ion Ratio Lower Upper

112 100

114 32.7 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 21.513 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

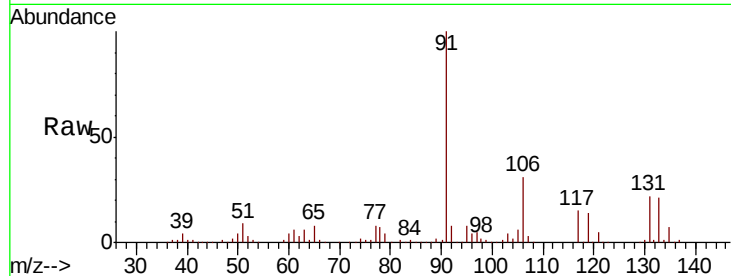
Tgt Ion: 131 Resp: 94828

Ion Ratio Lower Upper

131 100

133 95.2 0.0 189.6

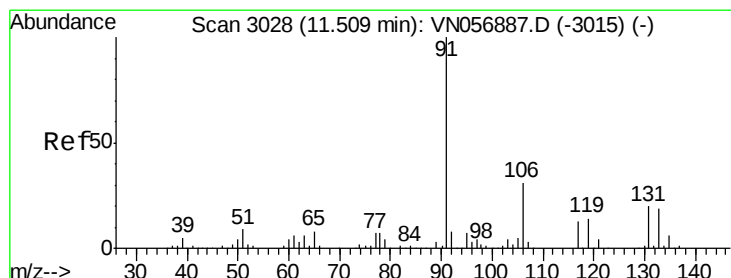
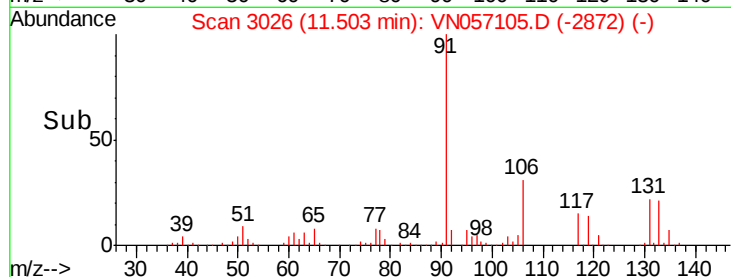
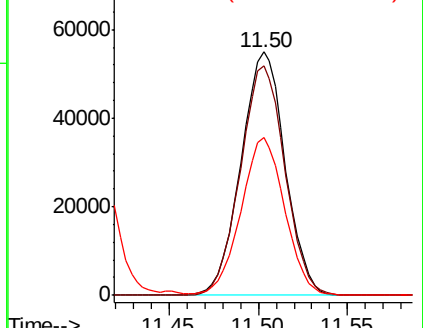
119 64.3 0.0 133.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.914 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057105.D

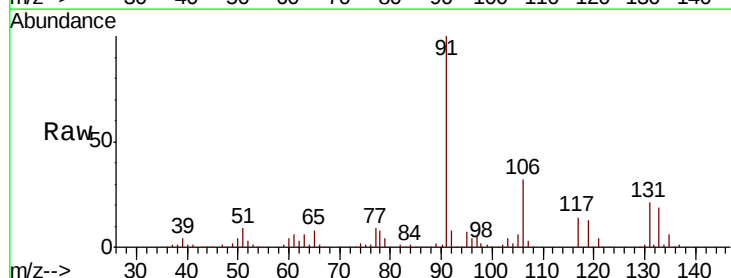
Acq: 6 Aug 2019 16:03

Tgt Ion: 91 Resp: 425780

Ion Ratio Lower Upper

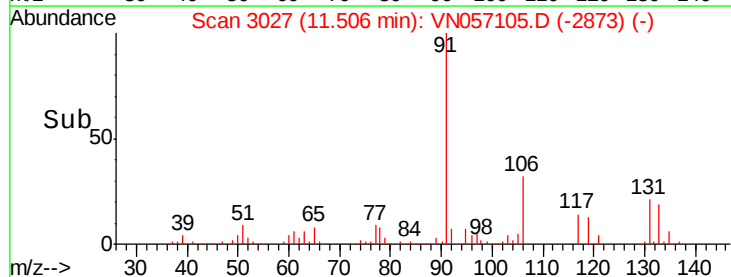
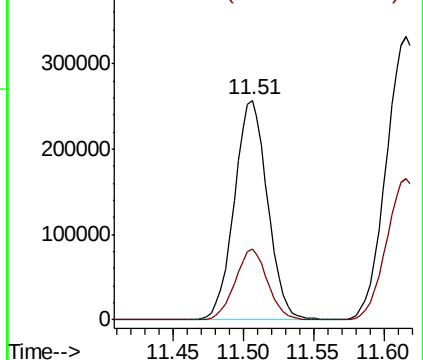
91 100

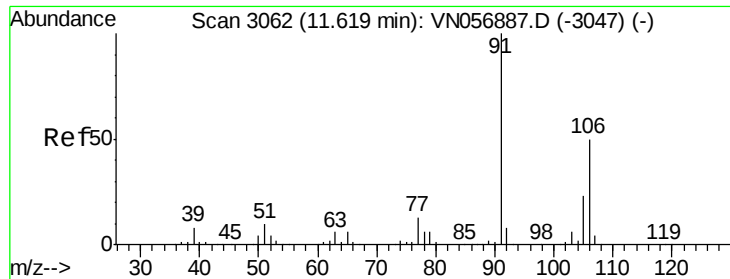
106 32.2 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

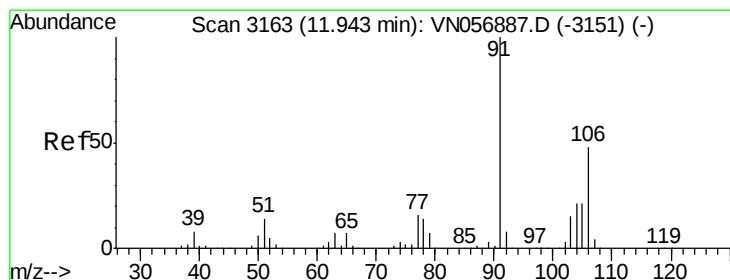
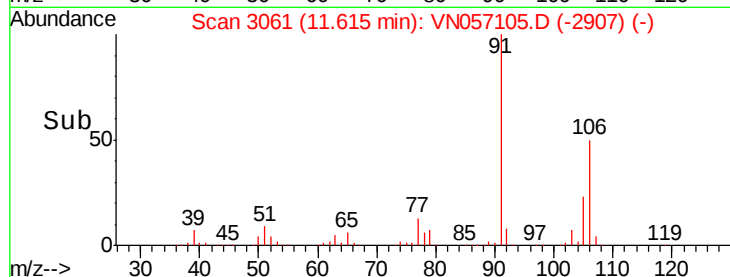
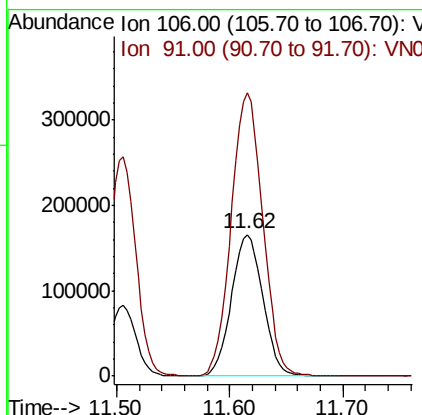
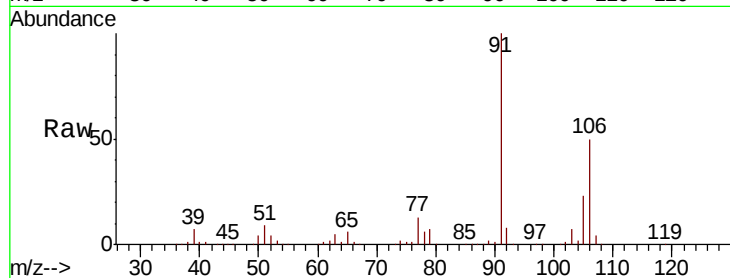




#67
m/p-Xylenes
Concen: 42.222 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

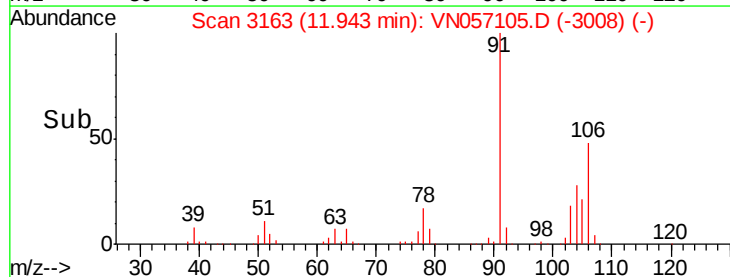
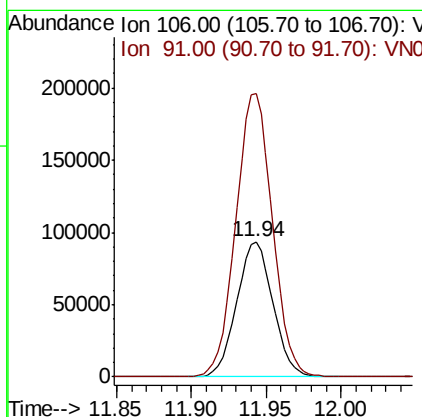
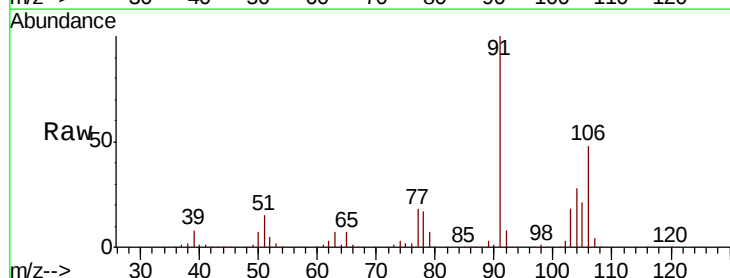
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

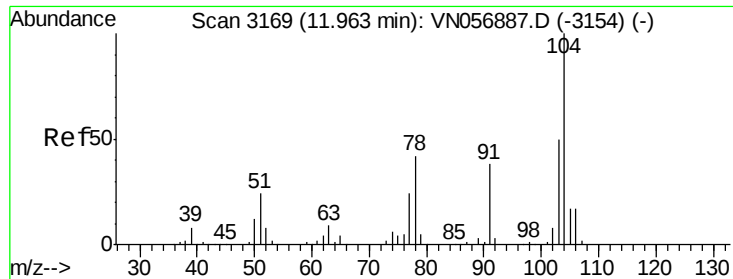
Tgt Ion:106 Resp: 320537
Ion Ratio Lower Upper
106 100
91 201.2 160.6 240.8



#68
o-Xylene
Concen: 21.113 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion:106 Resp: 157592
Ion Ratio Lower Upper
106 100
91 211.9 106.2 318.6

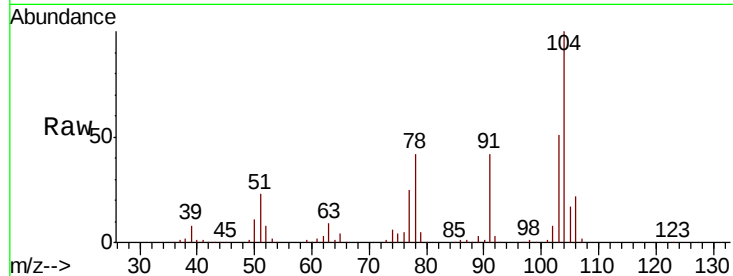




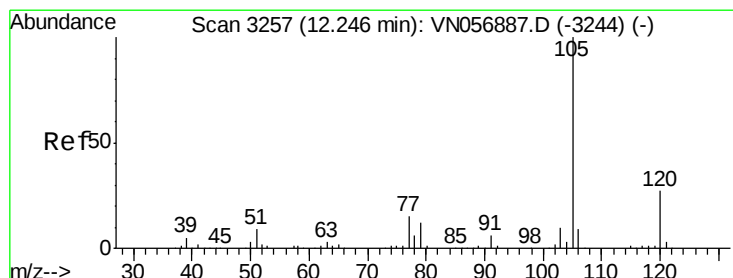
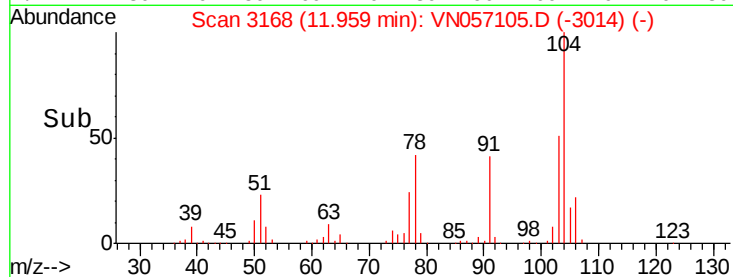
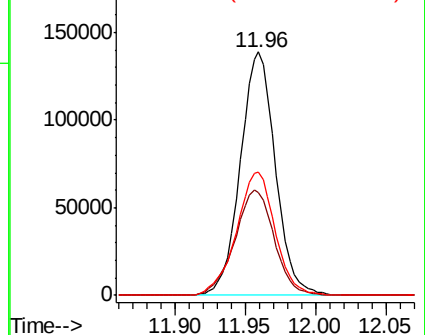
#69
Styrene
Concen: 20.021 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tgt Ion:104 Resp: 242161
Ion Ratio Lower Upper
104 100
78 48.5 38.5 57.7
103 55.9 44.7 67.1

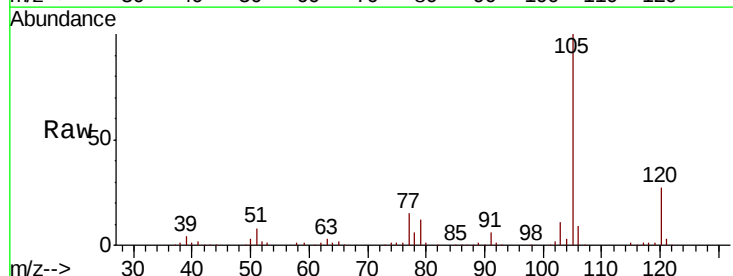


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

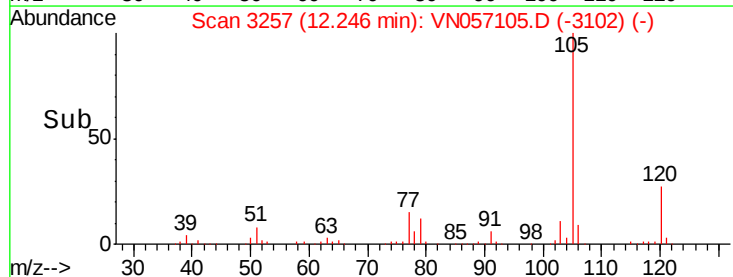
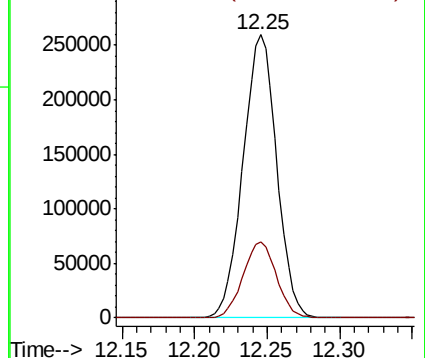


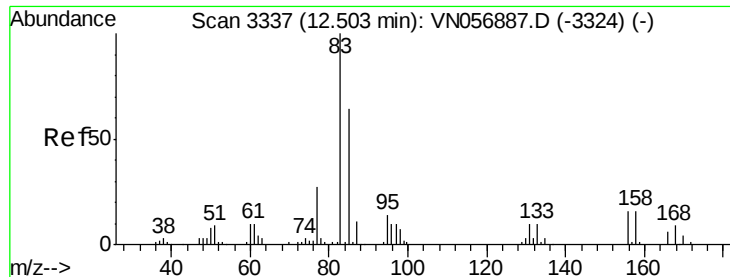
#70
Isopropylbenzene
Concen: 21.325 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion:105 Resp: 419110
Ion Ratio Lower Upper
105 100
120 26.6 18.7 34.7



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

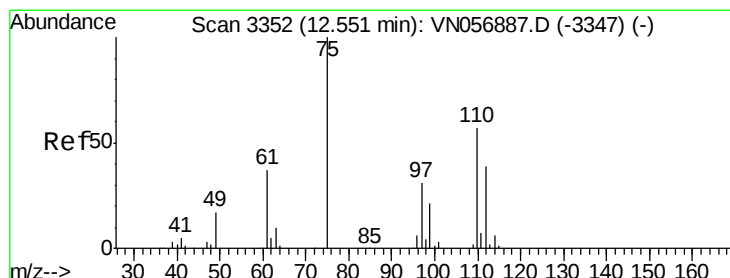
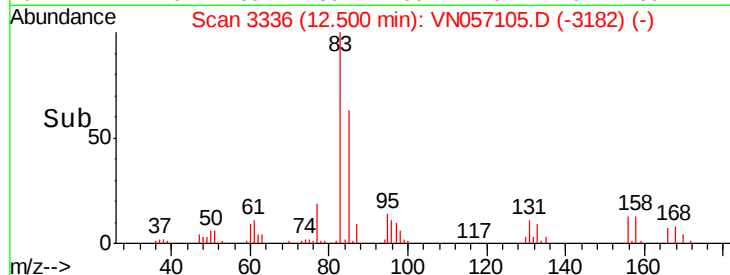
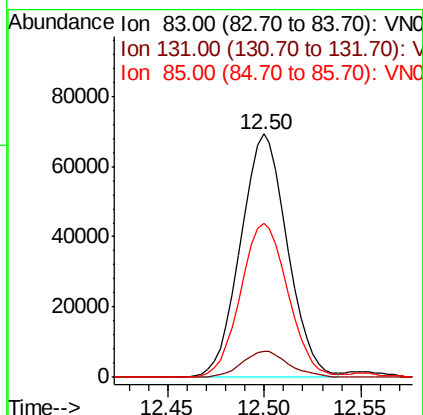
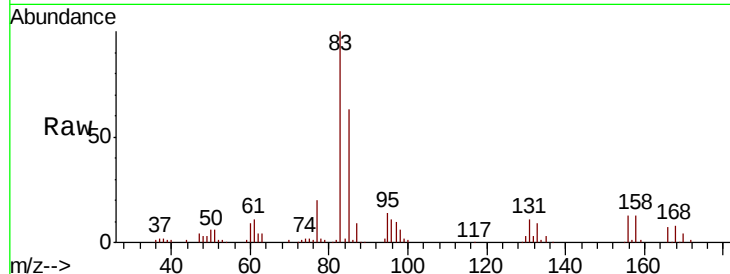




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.179 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

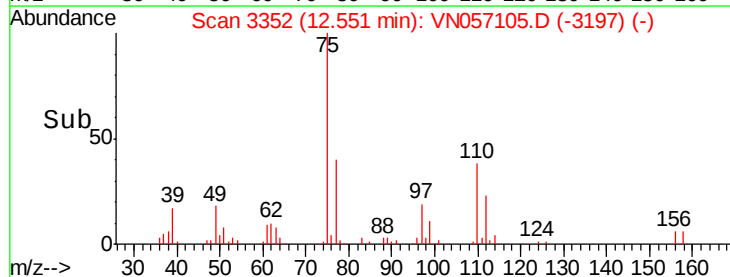
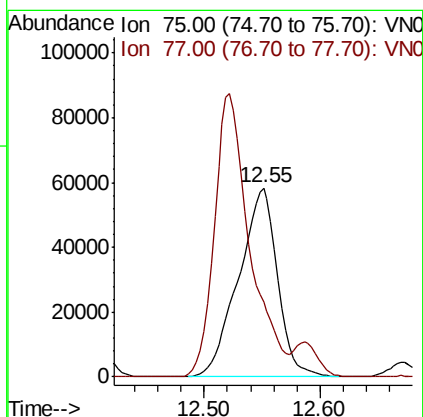
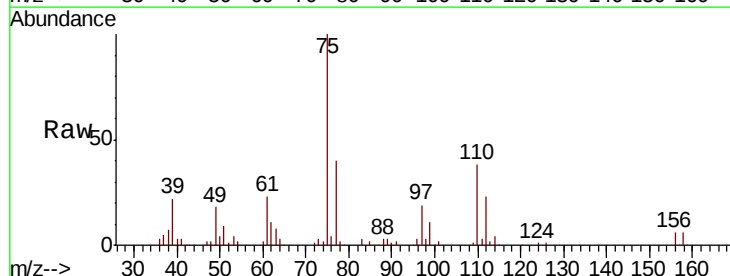
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

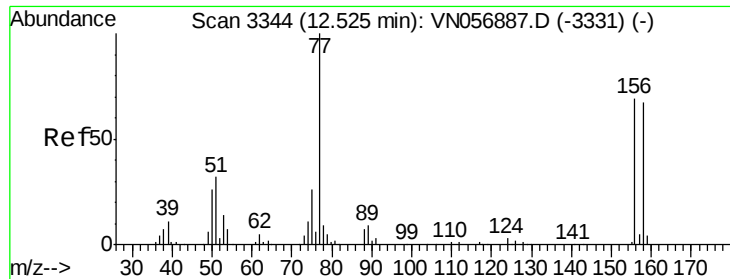
Tgt Ion: 83 Resp: 116582
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.1 15.2
 85 64.3 31.8 95.4



#72
 1,2,3-Trichloropropane
 Concen: 28.115 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion: 75 Resp: 136170
 Ion Ratio Lower Upper
 75 100
 77 136.1 0.0 378.6





#73

Bromobenzene

Concen: 20.826 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS02

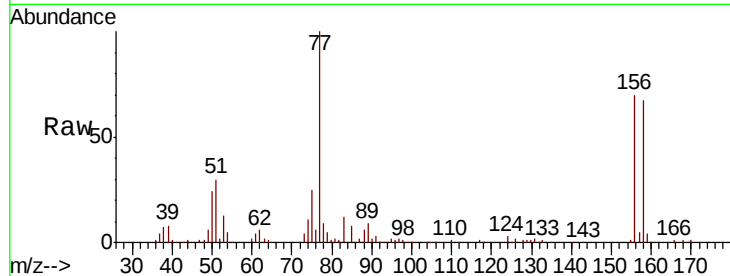
Tgt Ion:156 Resp: 105616

Ion Ratio Lower Upper

156 100

77 175.5 0.0 364.6

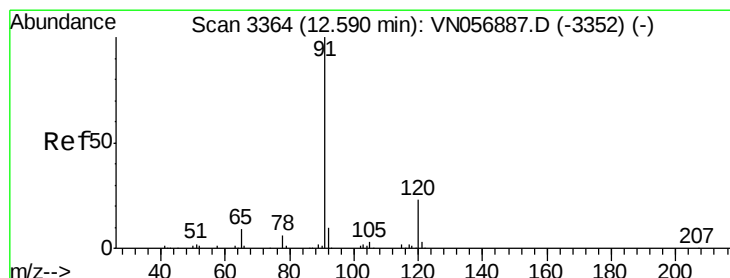
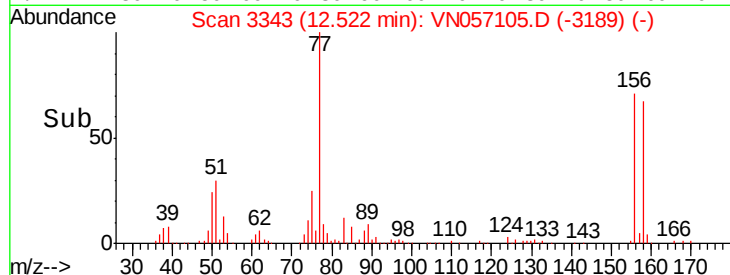
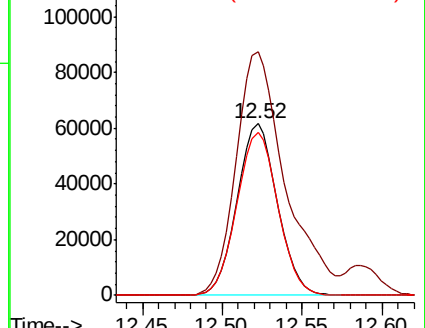
158 96.7 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.038 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN057105.D

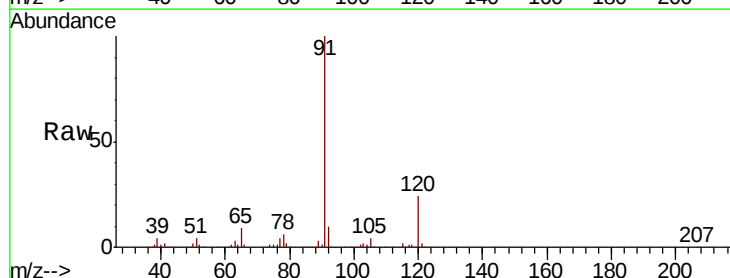
Acq: 6 Aug 2019 16:03

Tgt Ion: 91 Resp: 430602

Ion Ratio Lower Upper

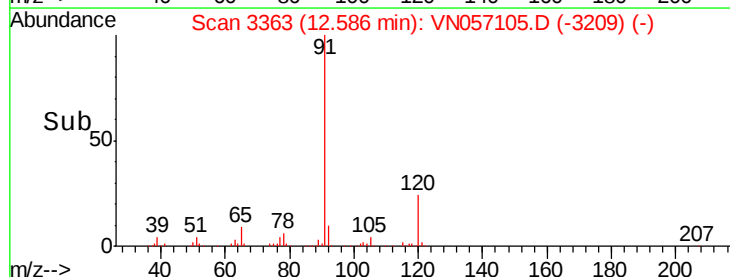
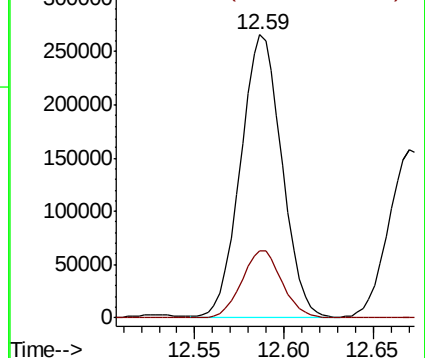
91 100

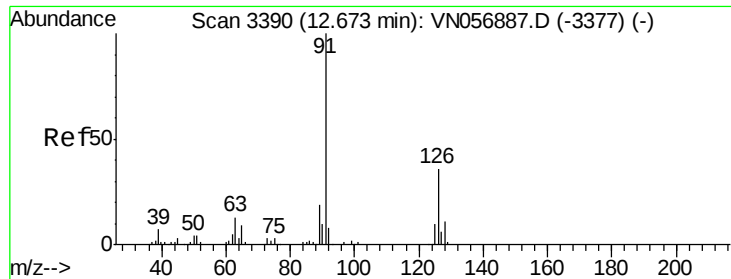
120 23.1 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.547 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

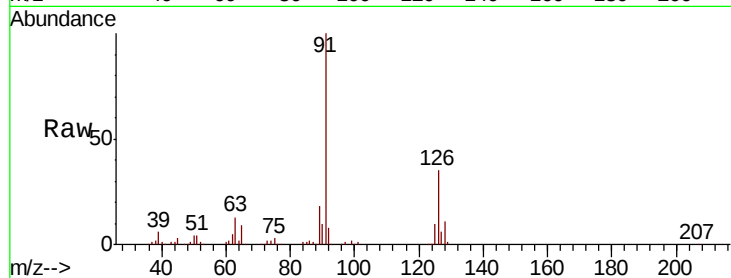
VN0806WBS02

Tgt Ion: 91 Resp: 267691

Ion Ratio Lower Upper

91 100

126 35.6 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056887.D (-3377) (-)

200000

150000

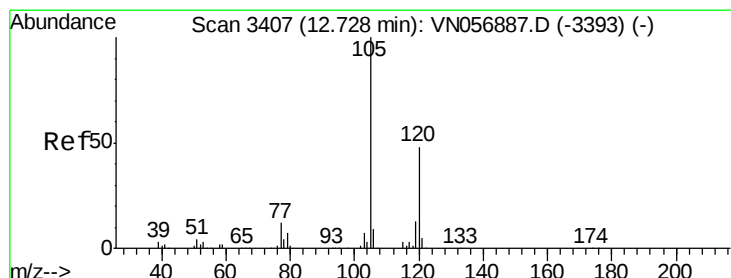
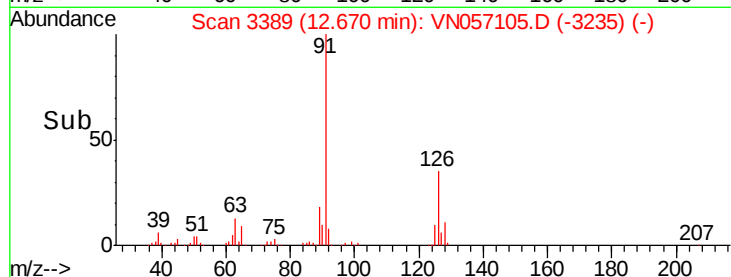
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 21.192 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN057105.D

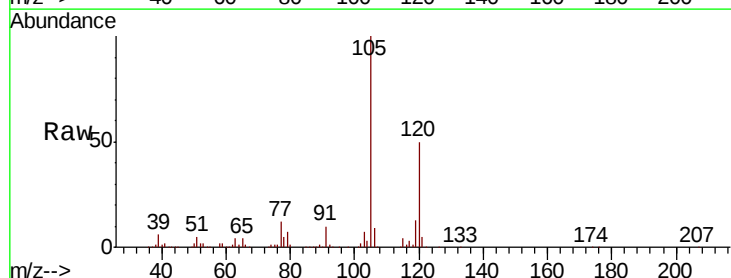
Acq: 6 Aug 2019 16:03

Tgt Ion: 105 Resp: 350631

Ion Ratio Lower Upper

105 100

120 49.6 0.0 97.2



Abundance Ion 105.00 (104.70 to 105.70): VN056887.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056887.D (-3393) (-)

250000

200000

150000

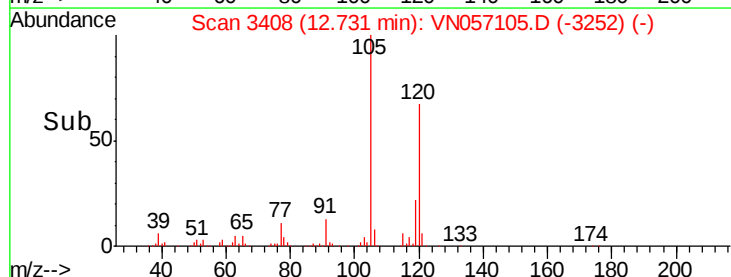
100000

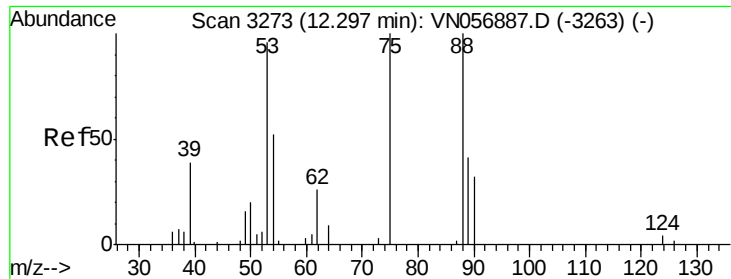
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 19.441 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS02

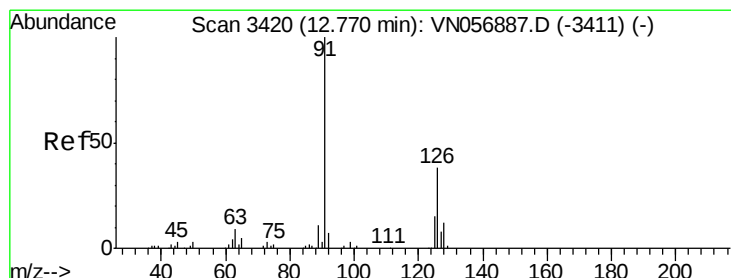
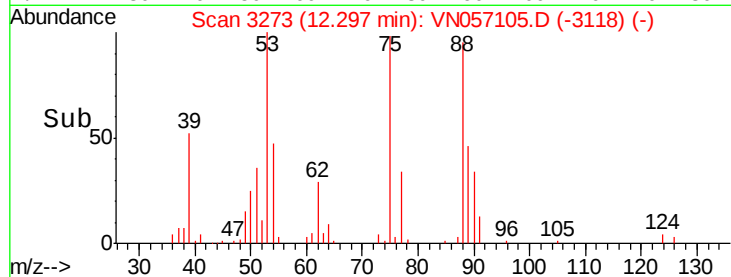
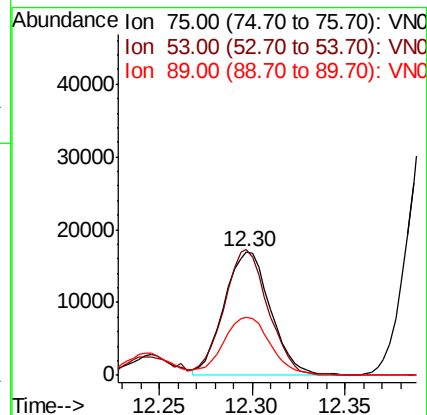
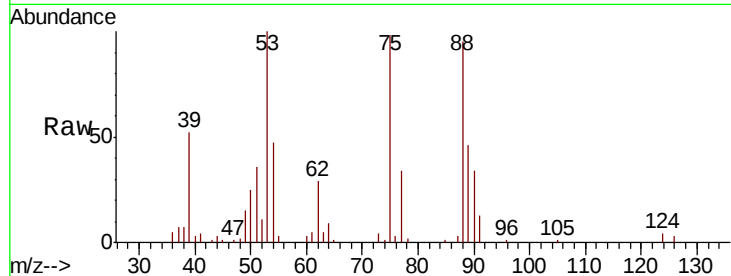
Tgt Ion: 75 Resp: 29563

Ion Ratio Lower Upper

75 100

53 102.3 48.0 144.0

89 47.3 21.4 64.3



#78

4-Chlorotoluene

Concen: 19.121 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN057105.D

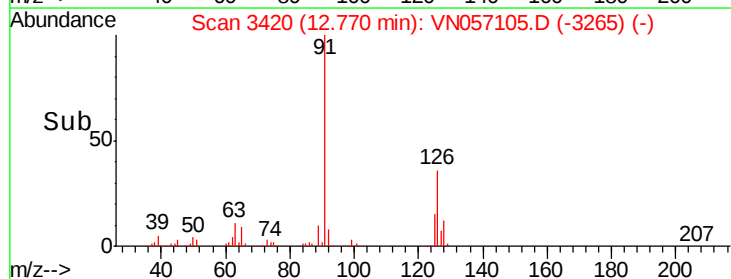
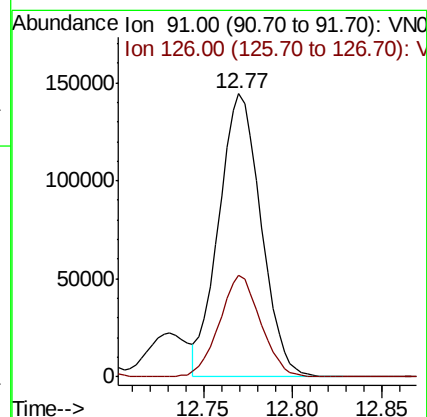
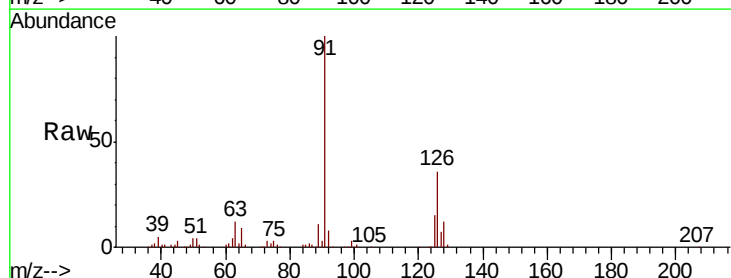
Acq: 6 Aug 2019 16:03

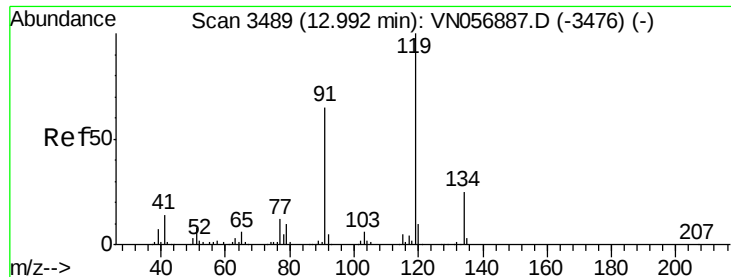
Tgt Ion: 91 Resp: 236800

Ion Ratio Lower Upper

91 100

126 35.0 0.0 69.6

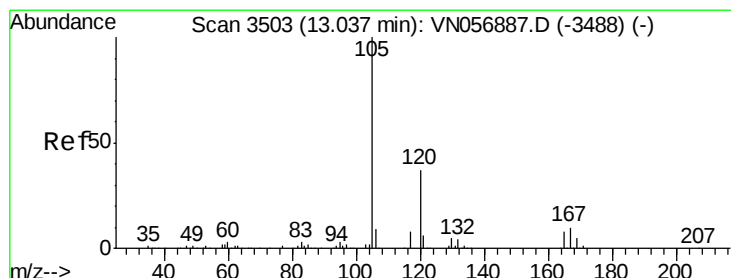
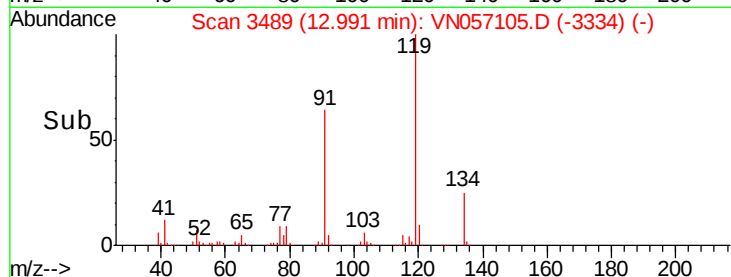
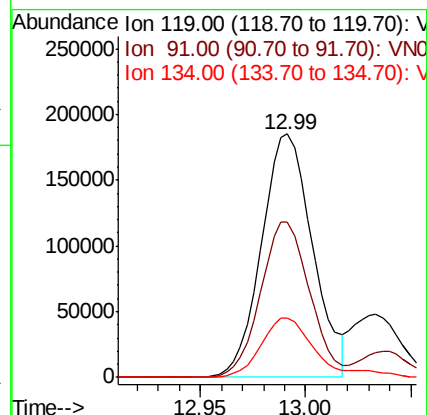
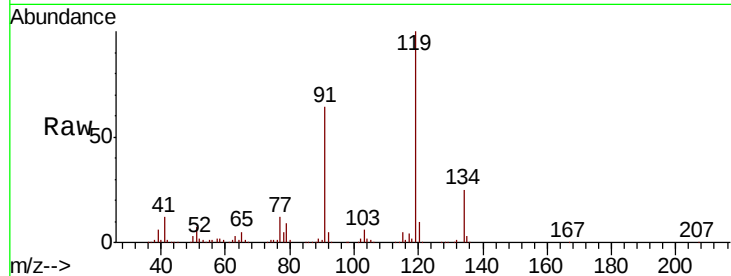




#79
tert-butylbenzene
Concen: 21.878 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

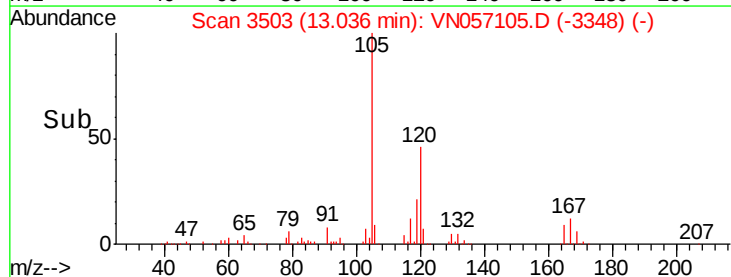
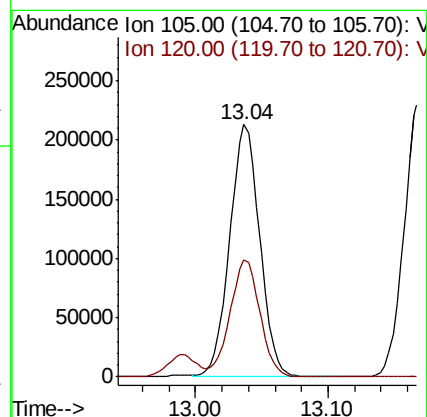
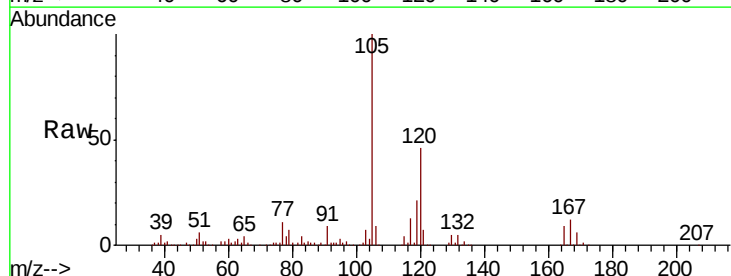
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

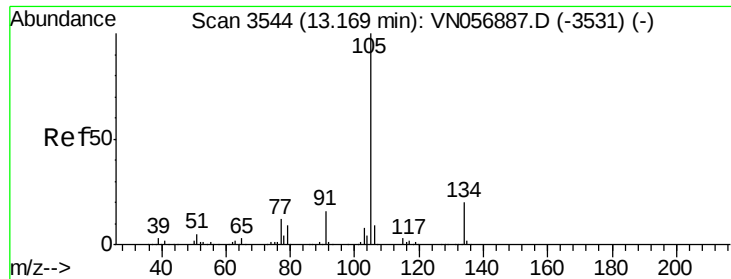
Tgt Ion:119 Resp: 312367
Ion Ratio Lower Upper
119 100
91 61.8 0.0 126.8
134 24.3 0.0 48.8



#80
1,2,4-Trimethylbenzene
Concen: 20.829 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion:105 Resp: 335954
Ion Ratio Lower Upper
105 100
120 46.2 0.0 90.6

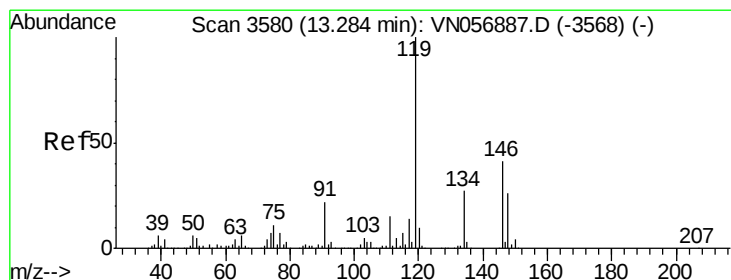
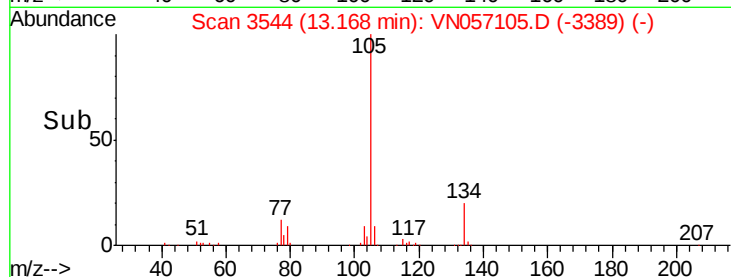
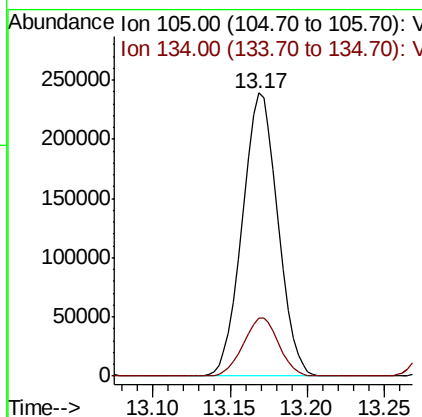
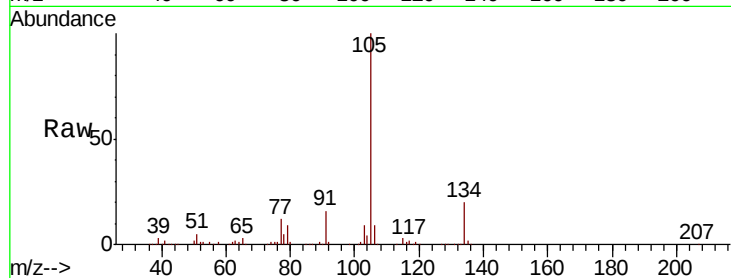




#81
 sec-Butylbenzene
 Concen: 20.526 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

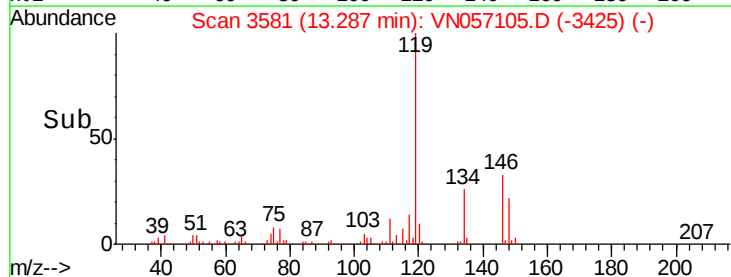
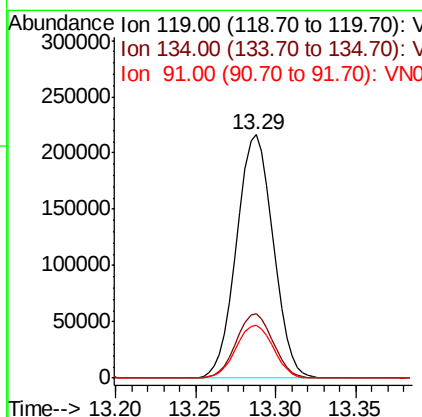
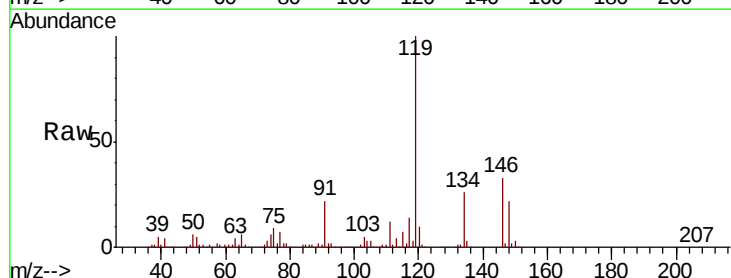
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

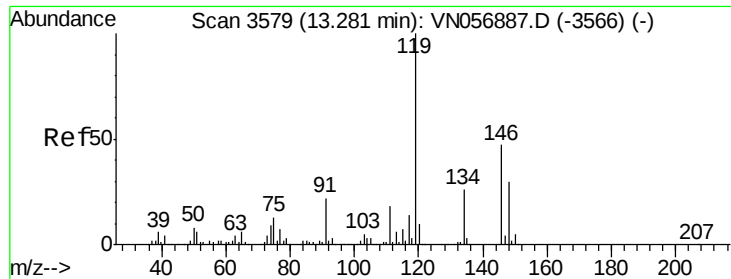
Tgt Ion:105 Resp: 382606
 Ion Ratio Lower Upper
 105 100
 134 20.5 0.0 41.2



#82
 p-Isopropyltoluene
 Concen: 20.120 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion:119 Resp: 336833
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 53.2
 91 22.3 0.0 44.0

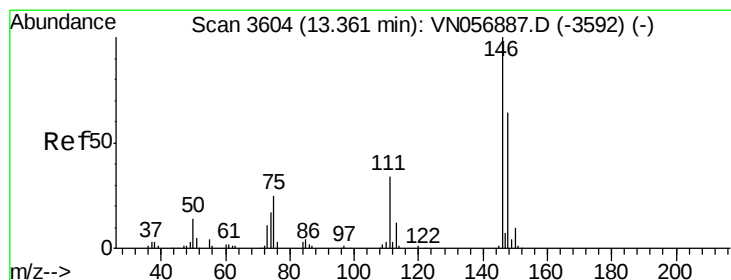
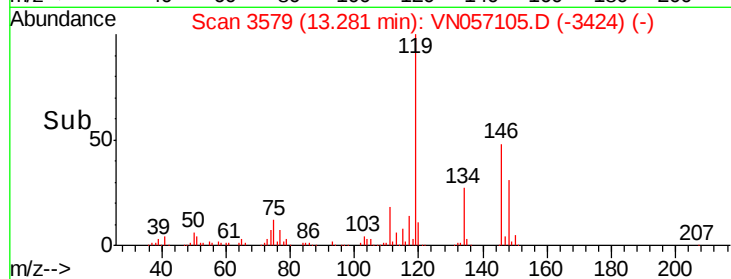
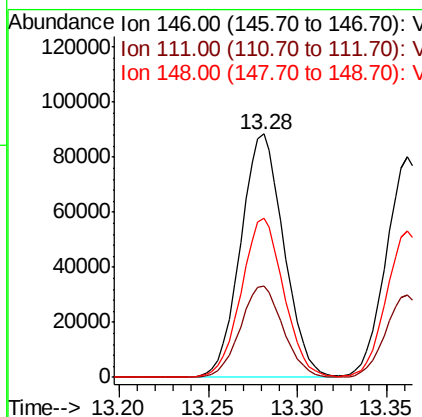
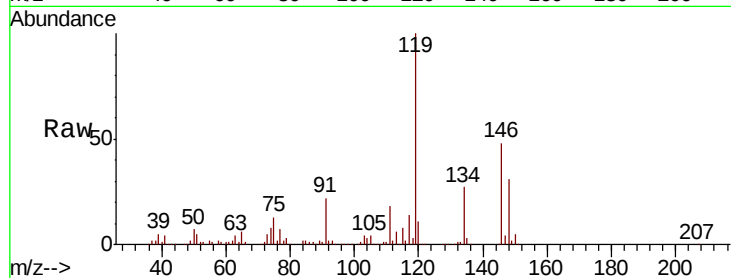




#83
 1,3-Dichlorobenzene
 Concen: 18.765 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

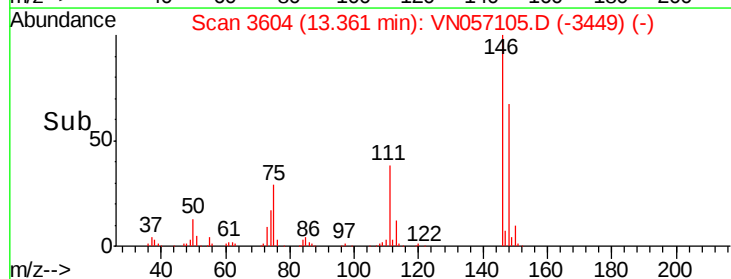
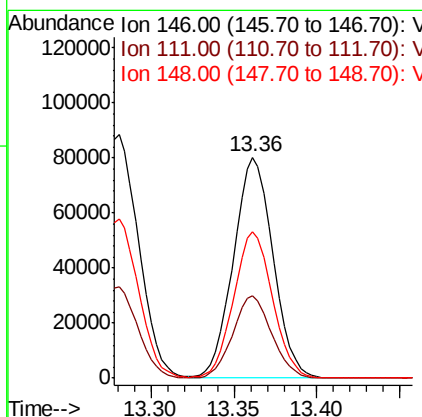
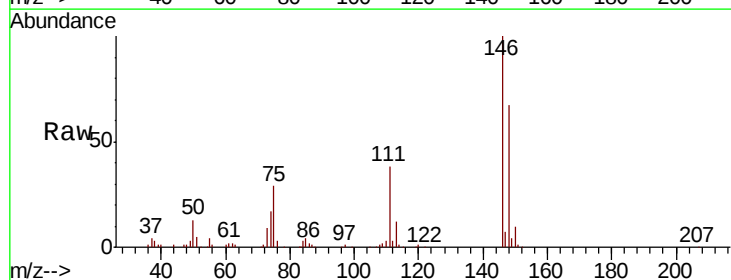
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

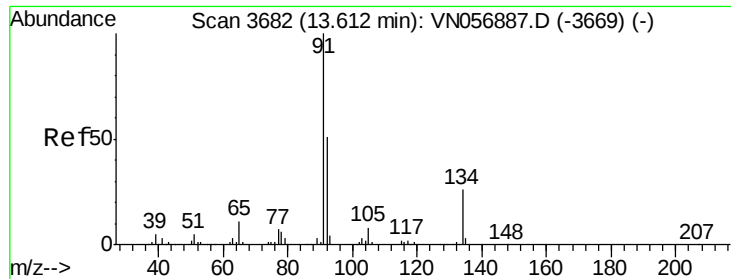
Tgt Ion:146 Resp: 149840
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.4
 148 64.3 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 17.565 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion:146 Resp: 132609
 Ion Ratio Lower Upper
 146 100
 111 36.9 17.8 53.5
 148 65.4 32.6 97.7





#85

n-Butylbenzene

Concen: 17.768 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

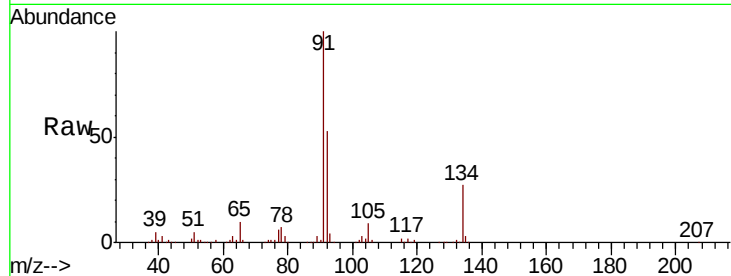
Tgt Ion: 91 Resp: 233562

Ion Ratio Lower Upper

91 100

92 52.2 0.0 101.8

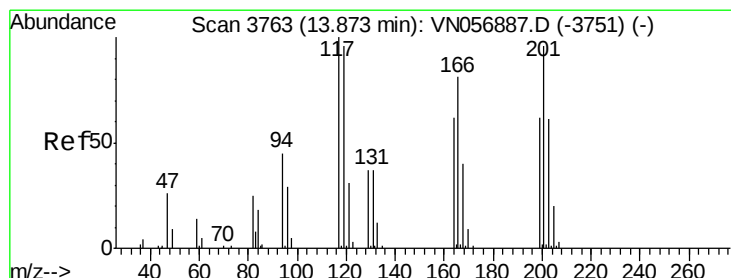
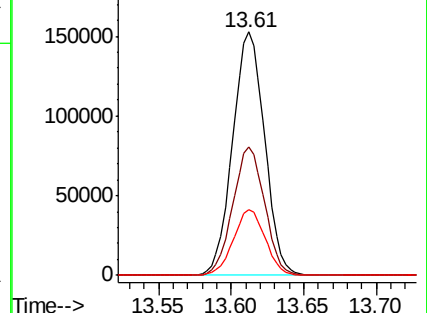
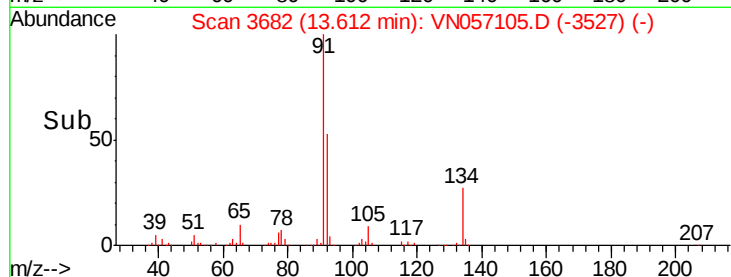
134 26.9 0.0 52.4



Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056887.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056887.D (-3669) (-)



#86

Hexachloroethane

Concen: 21.244 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN057105.D

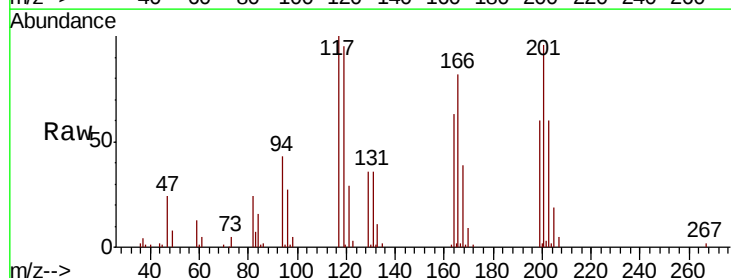
Acq: 6 Aug 2019 16:03

Tgt Ion: 117 Resp: 59519

Ion Ratio Lower Upper

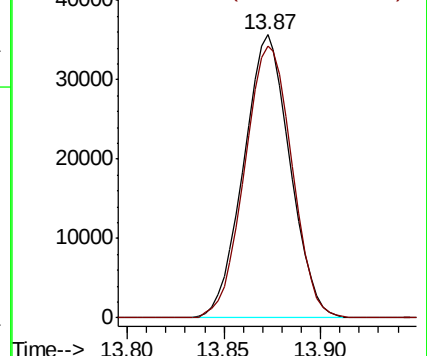
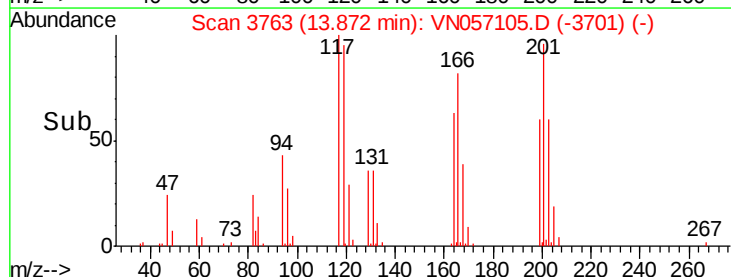
117 100

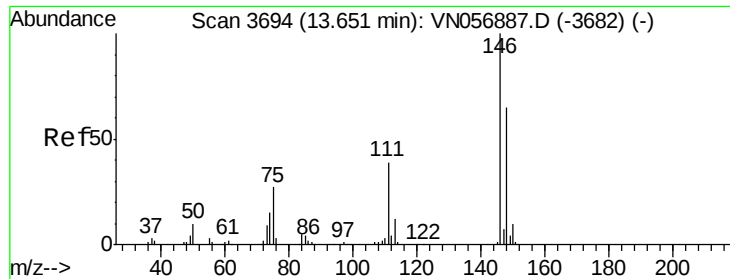
201 97.8 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN056887.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056887.D (-3751) (-)

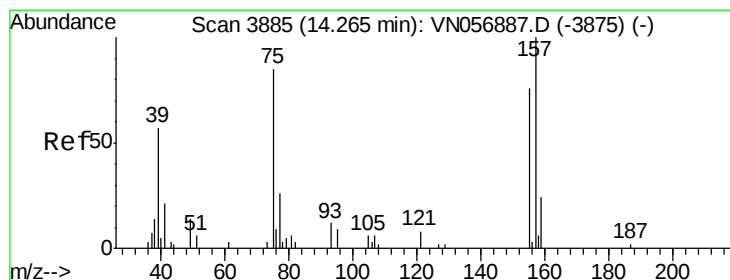
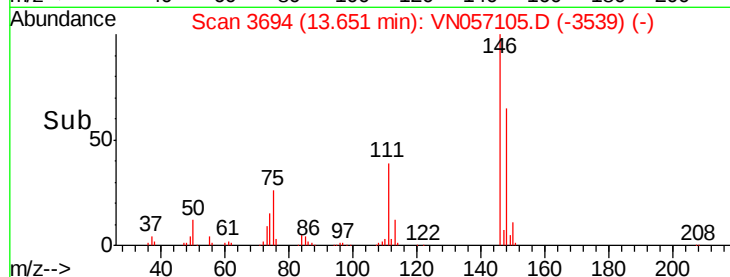
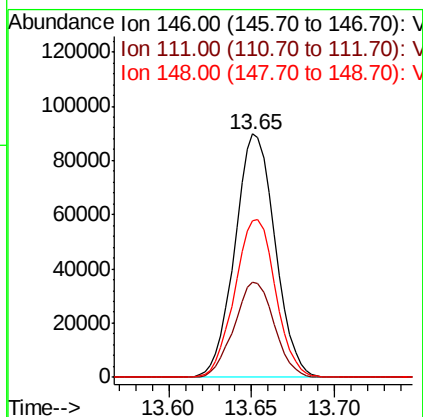
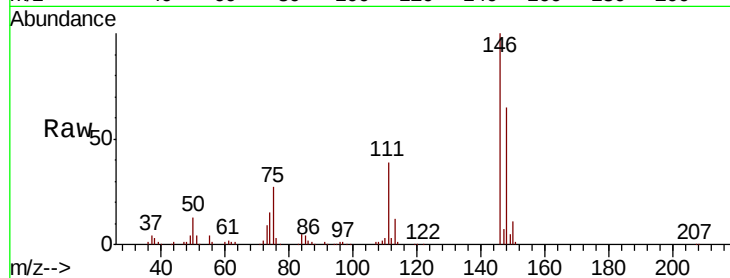




#87
 1,2-Dichlorobenzene
 Concen: 19.105 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

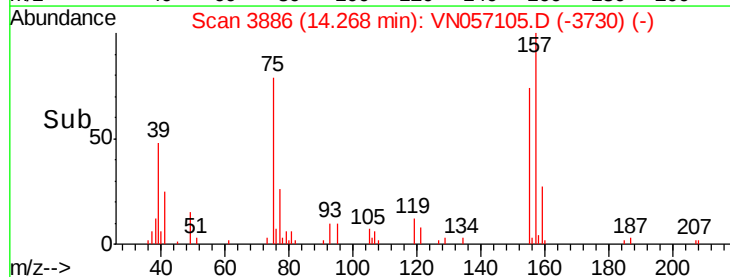
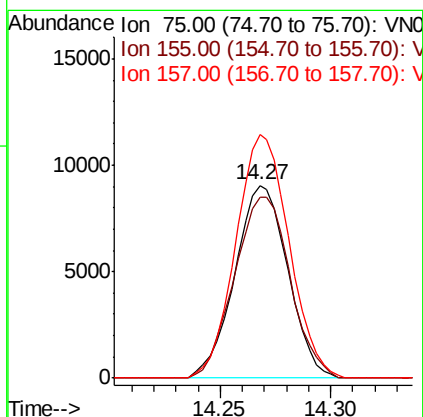
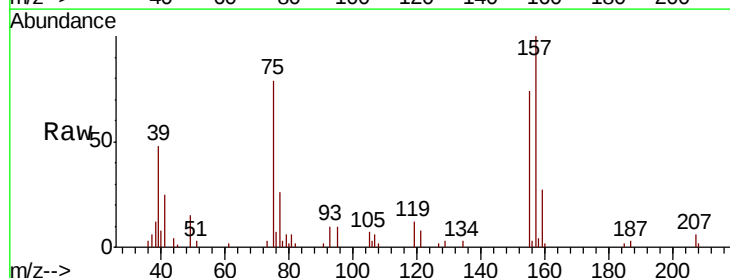
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

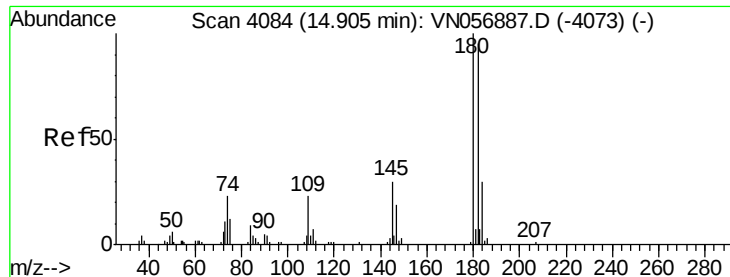
Tgt Ion:146 Resp: 151526
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.6 58.8
 148 65.6 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.704 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion: 75 Resp: 15077
 Ion Ratio Lower Upper
 75 100
 155 99.1 73.4 110.2
 157 127.5 95.0 142.6

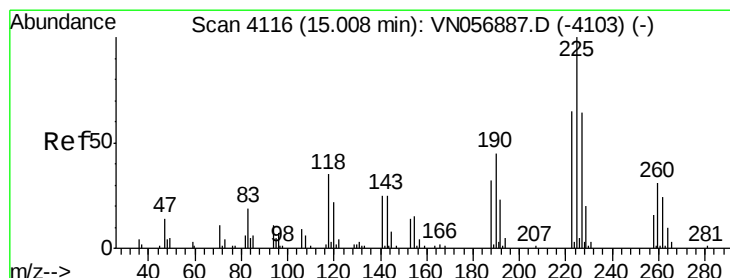
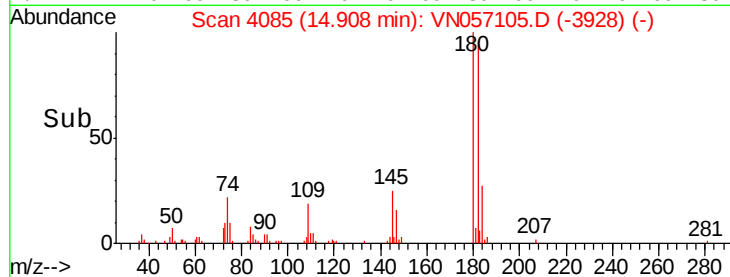
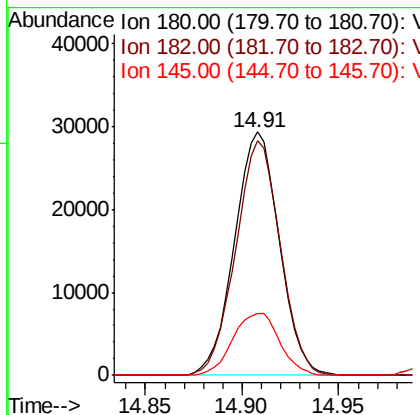
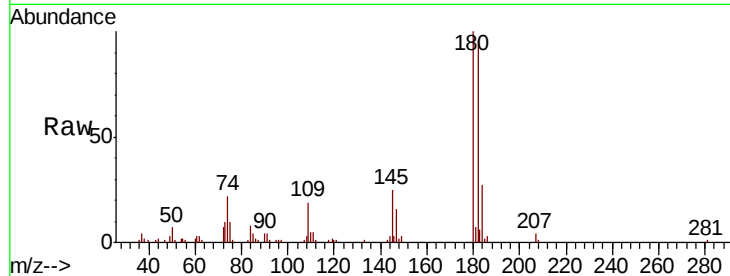




#89
 1,2,4-Trichlorobenzene
 Concen: 16.656 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

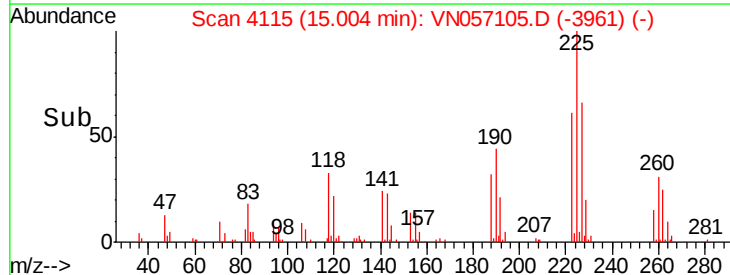
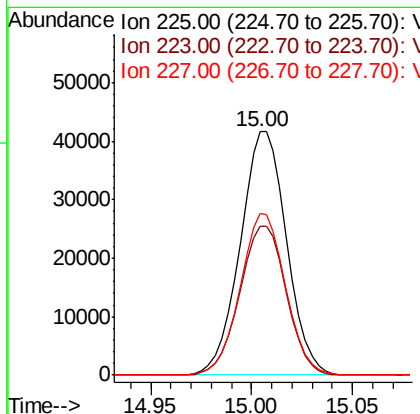
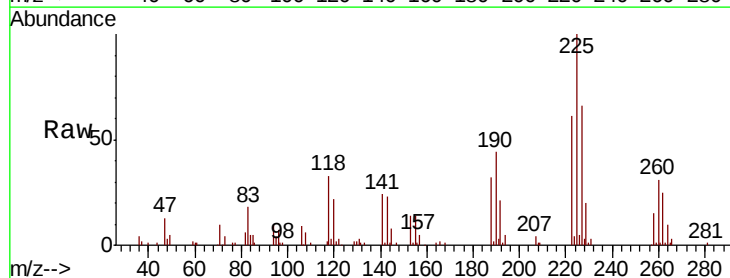
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

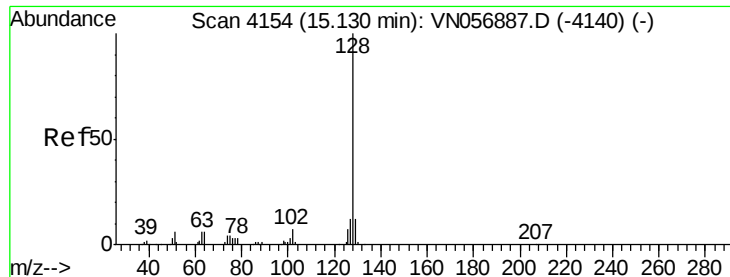
Tgt Ion:180 Resp: 47203
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.0 115.4
 145 26.7 23.5 35.3



#90
 Hexachlorobutadiene
 Concen: 22.978 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion:225 Resp: 66988
 Ion Ratio Lower Upper
 225 100
 223 61.5 0.0 130.0
 227 64.8 0.0 127.2





#91

Naphthalene

Concen: 15.667 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

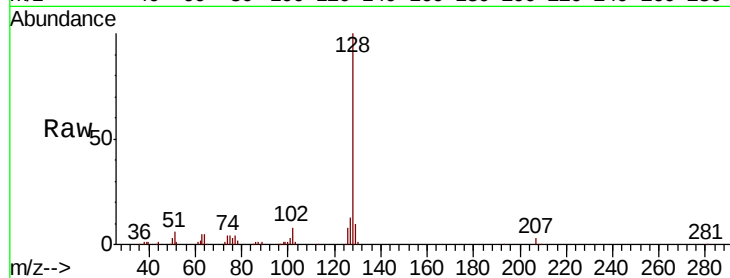
Tgt Ion:128 Resp: 111967

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

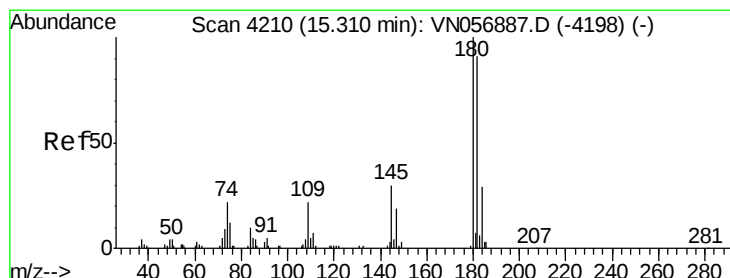
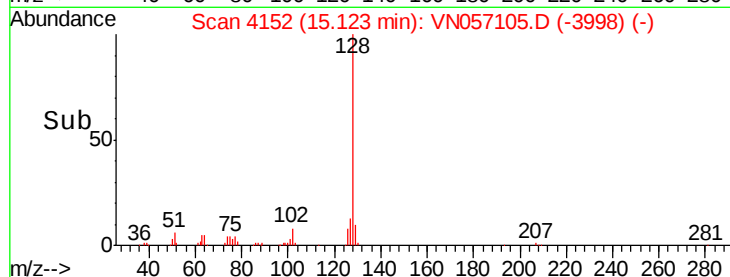
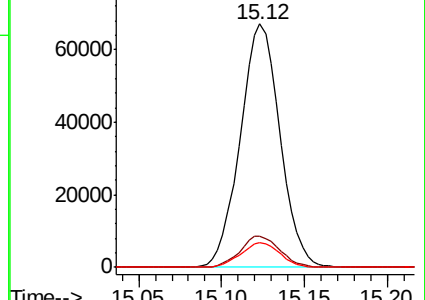
129 10.1 8.9 13.3



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



#92

1,2,3-Trichlorobenzene

Concen: 13.357 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

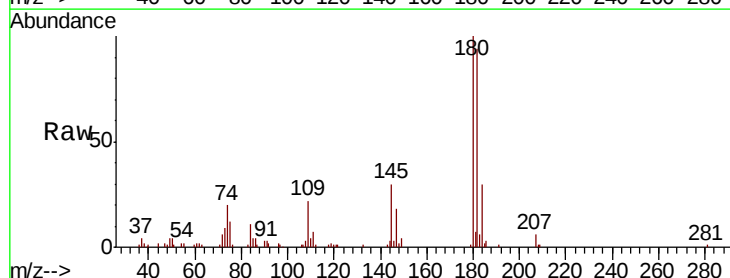
Tgt Ion:180 Resp: 56004

Ion Ratio Lower Upper

180 100

182 94.7 0.0 188.0

145 29.7 0.0 61.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

