

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056142.D
 Acq On : 8 Jun 2019 10:22
 Operator : JC/SP
 Sample : VN0608WBS04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Quant Time: Jun 10 01:23:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	273857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	423663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	372420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150583	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	146711	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	7.59	113	129916	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.09	98	495595	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	162550	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	61765	20.739	ug/l	98
3) Chloromethane	2.06	50	67965	22.894	ug/l	99
4) Vinyl Chloride	2.18	62	65582	22.024	ug/l	99
5) Bromomethane	2.54	94	39258	20.870	ug/l	100
6) Chloroethane	2.69	64	37216	21.555	ug/l	99
7) Trichlorofluoromethane	3.01	101	79314	20.864	ug/l	100
8) Diethyl Ether	3.40	74	32085	20.524	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	47622	20.622	ug/l	99
10) Methyl Iodide	3.94	142	71883	19.588	ug/l	99
11) Tert butyl alcohol	4.82	59	45855	96.905	ug/l	98
12) 1,1-Dichloroethene	3.72	96	47874	20.824	ug/l	98
13) Acrolein	3.61	56	10127	74.205	ug/l	98
14) Allyl chloride	4.31	41	68451	18.856	ug/l	97
15) Acrylonitrile	4.99	53	137461	119.335	ug/l	100
16) Acetone	3.82	43	113596	87.348	ug/l	98
17) Carbon Disulfide	4.04	76	93026	16.900	ug/l	98
18) Methyl Acetate	4.32	43	65648	25.414	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	157603	21.507	ug/l	98
20) Methylene Chloride	4.55	84	58523	21.842	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	51378	20.858	ug/l	97
22) Diisopropyl ether	5.95	45	163417	21.777	ug/l	99
23) Vinyl Acetate	5.90	43	605273	102.422	ug/l	99
24) 1,1-Dichloroethane	5.84	63	93622	21.628	ug/l	98
25) 2-Butanone	6.84	43	177725	108.162	ug/l	100
26) 2,2-Dichloropropane	6.82	77	30390	8.997	ug/l	92
27) cis-1,2-Dichloroethene	6.82	96	62233	21.493	ug/l	92
28) Bromochloromethane	7.19	49	45982	22.463	ug/l	99
29) Tetrahydrofuran	7.22	42	119991	118.138	ug/l	100
30) Chloroform	7.37	83	94658	21.738	ug/l	98
31) Cyclohexane	7.65	56	86030	19.939	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	73443	20.197	ug/l	99
36) 1,1-Dichloropropene	7.79	75	67252	18.461	ug/l	99
37) Ethyl Acetate	6.93	43	70490	21.747	ug/l	99
38) Carbon Tetrachloride	7.77	117	62127	18.498	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	78692	17.341	ug/l	99
40) Benzene	8.04	78	226347	20.457	ug/l	99
41) Methacrylonitrile	7.18	41	33026	22.146	ug/l	96
42) 1,2-Dichloroethane	8.12	62	73052	20.526	ug/l	99
43) Isopropyl Acetate	8.17	43	104315	19.860	ug/l	97
44) Trichloroethene	8.83	130	64194	20.191	ug/l	97
45) 1,2-Dichloropropane	9.12	63	58879	20.776	ug/l	99
46) Dibromomethane	9.21	93	37532	20.252	ug/l	96
47) Bromodichloromethane	9.40	83	63874	19.017	ug/l	100
48) Methyl methacrylate	9.20	41	53742	20.914	ug/l	97
49) 1,4-Dioxane	9.20	88	23283	419.699	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	346777	105.576	ug/l	98
52) Toluene	10.16	92	138497	20.116	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	55224	15.749	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	70245	17.399	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	56080	20.563	ug/l	98
56) Ethyl methacrylate	10.43	69	80358	20.197	ug/l	99
57) 1,3-Dichloropropane	10.71	76	91682	20.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	138890	97.680	ug/l	99
59) 2-Hexanone	10.75	43	248206	104.261	ug/l	99
60) Dibromochloromethane	10.90	129	48843	17.894	ug/l	100
61) 1,2-Dibromoethane	11.00	107	57369	20.577	ug/l	97
64) Tetrachloroethene	10.63	164	70730	21.941	ug/l	98
65) Chlorobenzene	11.43	112	147977	19.965	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	50350	19.674	ug/l	99
67) Ethyl Benzene	11.51	91	253178	19.644	ug/l	99
68) m/p-Xylenes	11.62	106	194570	39.519	ug/l	99
69) o-Xylene	11.95	106	98798	20.400	ug/l	96
70) Styrene	11.96	104	155737	20.239	ug/l	99
71) Bromoform	12.13	173	32930	17.228	ug/l #	100
73) Isopropylbenzene	12.25	105	252458	22.174	ug/l	99
74) N-amyl acetate	12.07	43	85280	21.246	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	76836	21.980	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	83592	30.169	ug/l #	100
77) Bromobenzene	12.53	156	70168	21.765	ug/l	91
78) n-propylbenzene	12.59	91	255743	20.075	ug/l	99
79) 2-Chlorotoluene	12.67	91	164008	21.906	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	203410	20.091	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	11672	14.028	ug/l #	76
82) 4-Chlorotoluene	12.77	91	151011	20.262	ug/l	99
83) tert-Butylbenzene	12.99	119	185539	22.096	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	197965	20.619	ug/l	99
85) sec-Butylbenzene	13.17	105	227289	20.147	ug/l	99
86) p-Isopropyltoluene	13.29	119	198955	19.705	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	101034	20.248	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	95588	19.915	ug/l	99
89) n-Butylbenzene	13.61	91	131257	17.549	ug/l	99
90) Hexachloroethane	13.87	117	27642	18.153	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	105407	20.924	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9397	18.794	ug/l	87

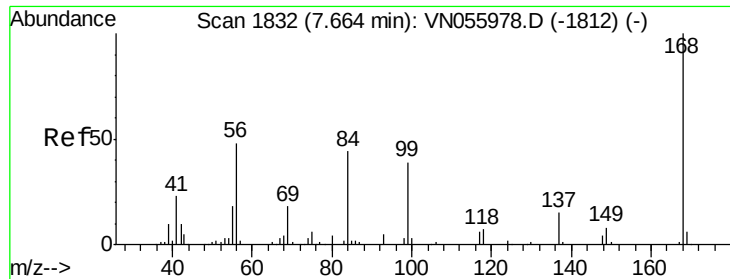
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37529	16.634	ug/l	98
94) Hexachlorobutadiene	15.01	225	36811	20.056	ug/l	99
95) Naphthalene	15.13	128	107545	17.633	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44765	17.895	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

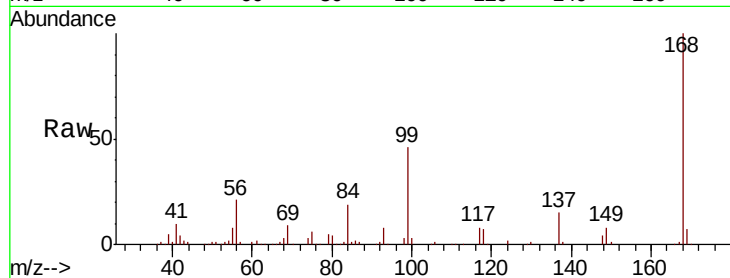
VN0608WBS04

Tot Ion:168 Resp: 273857

Ion Ratio Lower Upper

168 100

99 45.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

120000

100000

80000

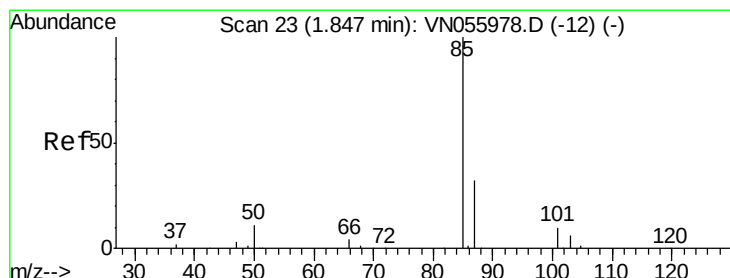
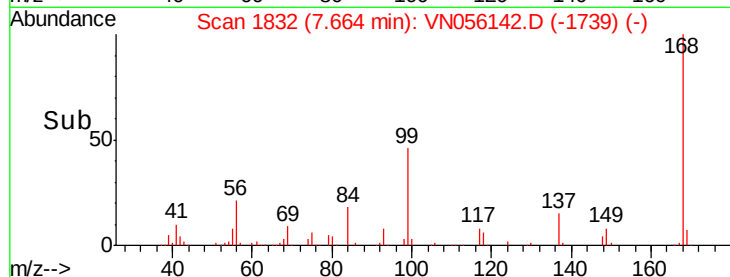
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.739 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056142.D

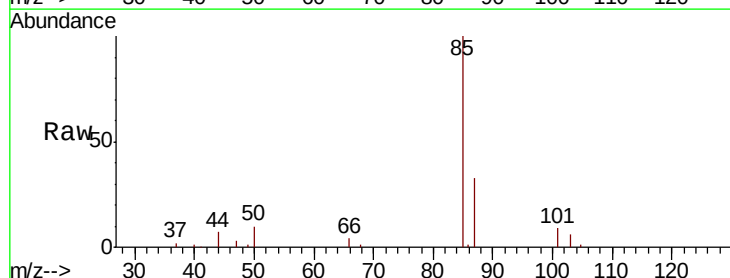
Acq: 8 Jun 2019 10:22

Tgt Ion: 85 Resp: 61765

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

40000

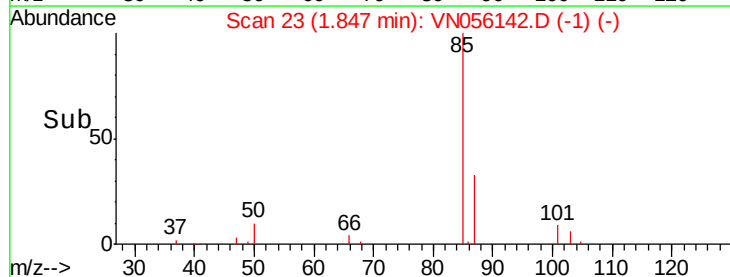
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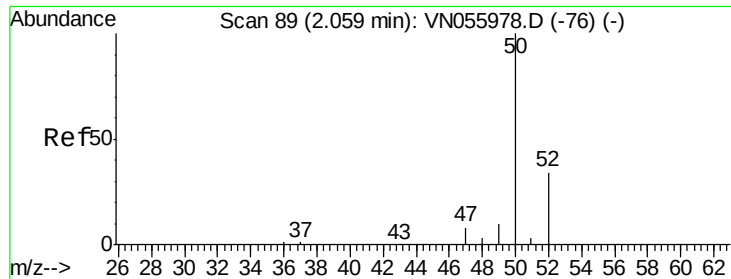
20000

10000

0

Time-->





#3

Chloromethane

Concen: 22.894 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

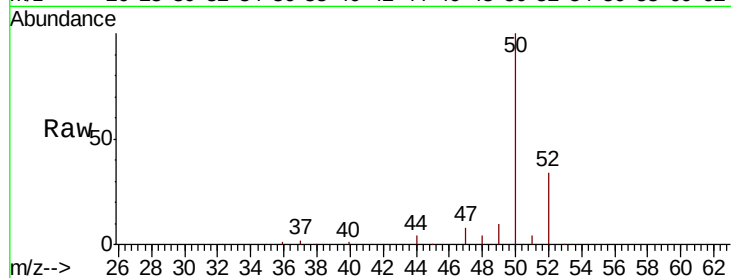
VN0608WBS04

Tot Ion: 50 Resp: 67965

Ion Ratio Lower Upper

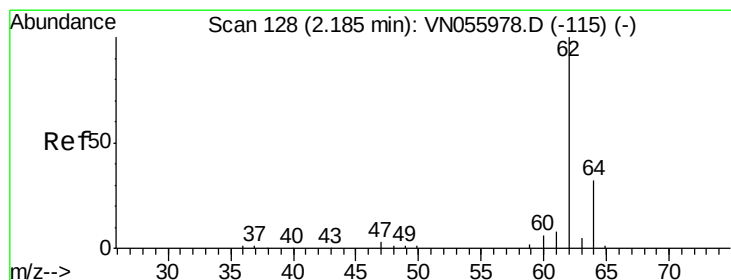
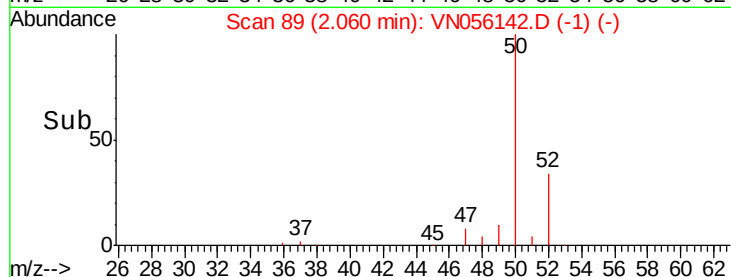
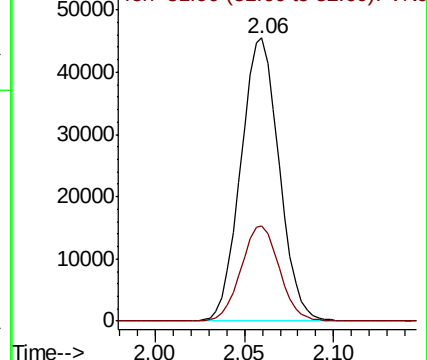
50 100

52 33.6 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 22.024 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056142.D

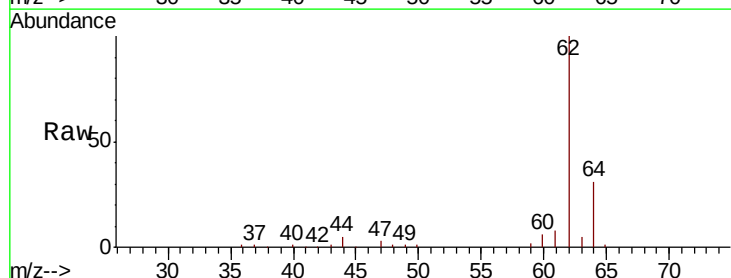
Acq: 8 Jun 2019 10:22

Tgt Ion: 62 Resp: 65582

Ion Ratio Lower Upper

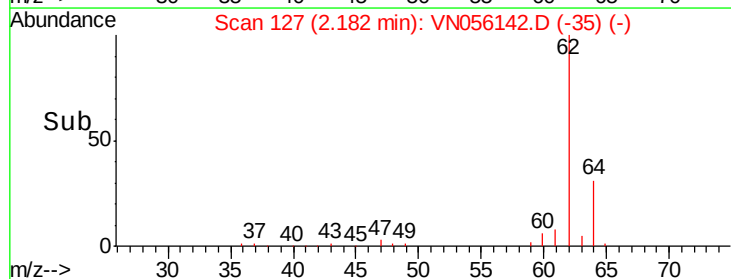
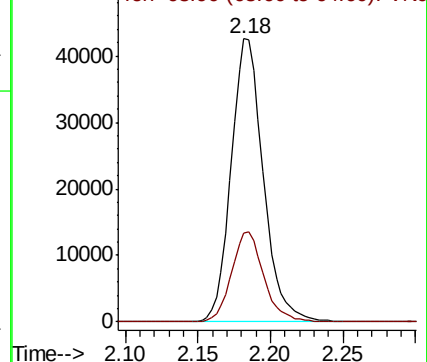
62 100

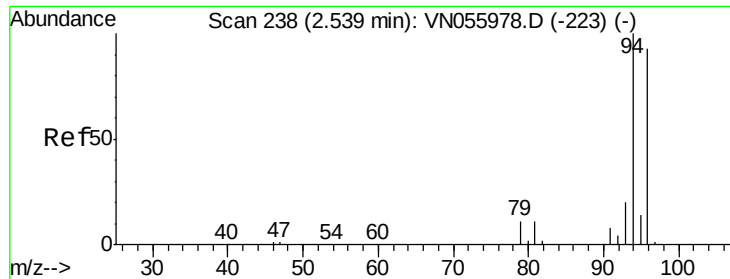
64 31.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

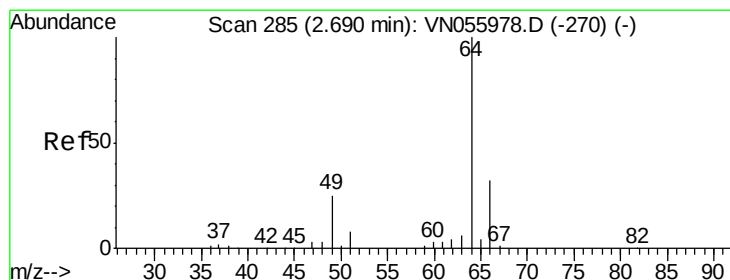
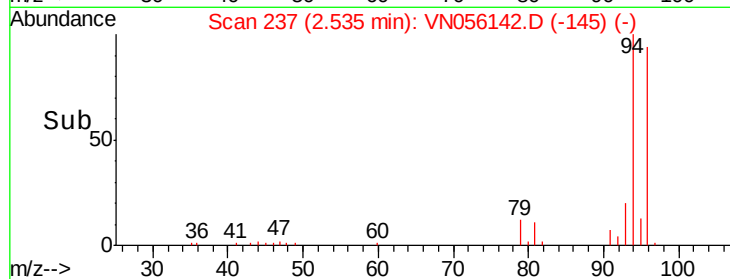
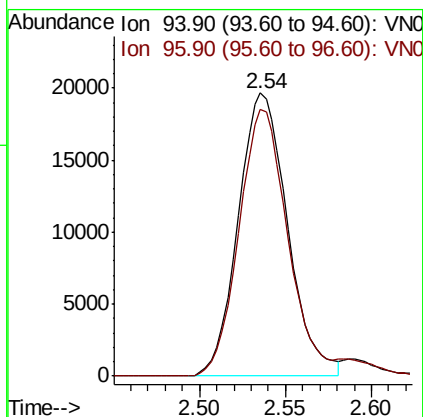
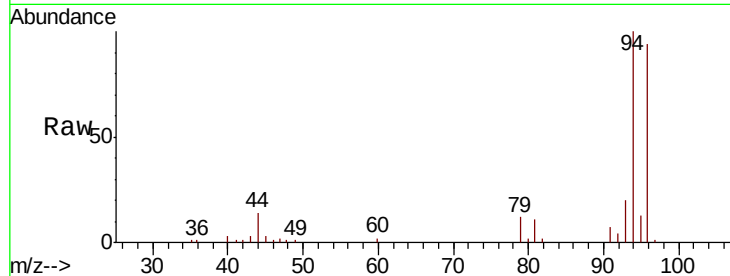




#5
Bromomethane
Concen: 20.870 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

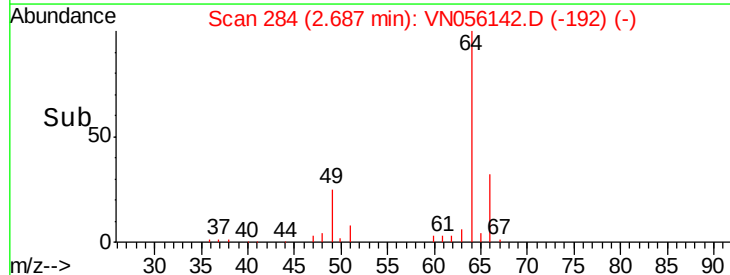
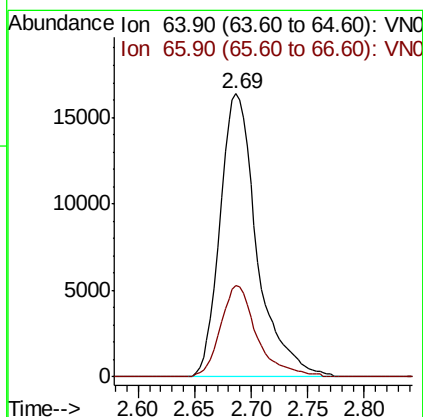
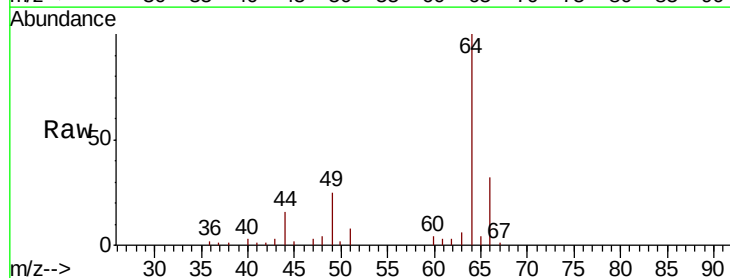
Instrument :
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ClientSampleId :
VN0608WBS04

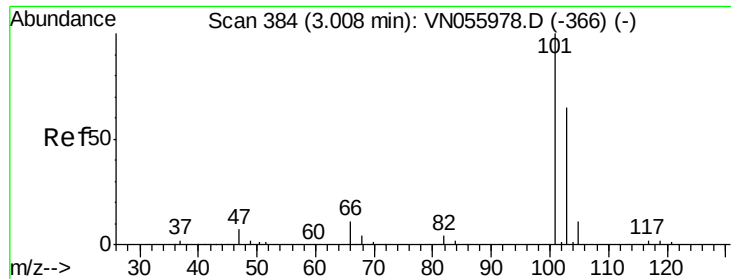
Tot Ion: 94 Resp: 39258
Ion Ratio Lower Upper
94 100
96 94.1 75.5 113.3



#6
Chloroethane
Concen: 21.555 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 64 Resp: 37216
Ion Ratio Lower Upper
64 100
66 32.4 25.4 38.0



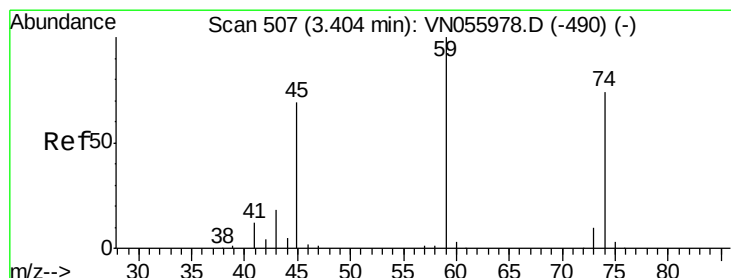
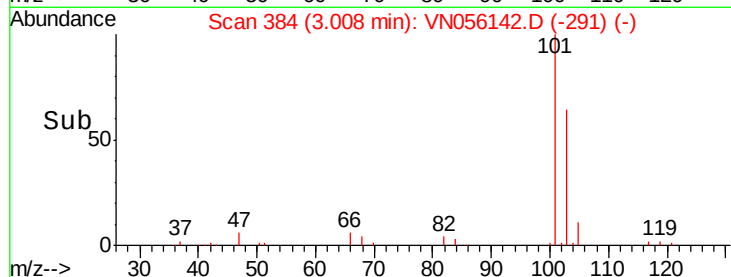
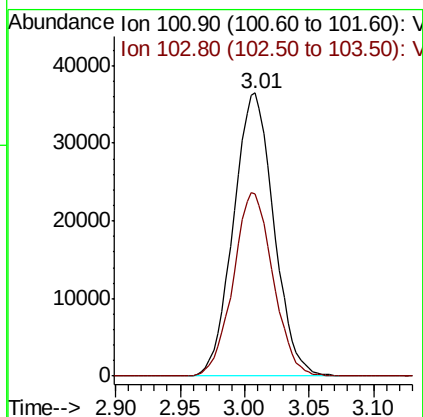
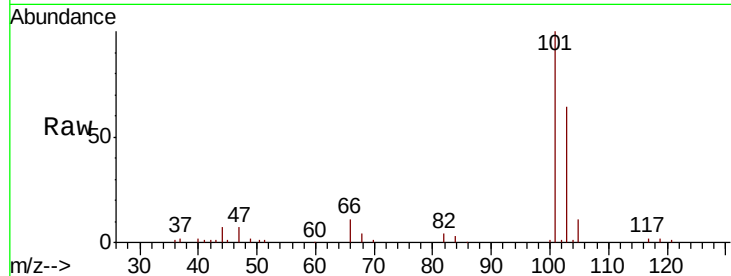


#7

Trichlorofluoromethane
 Concen: 20.864 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

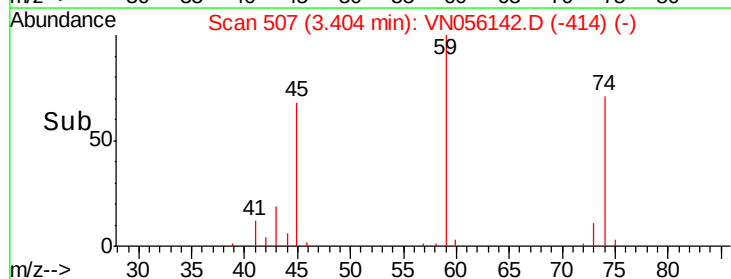
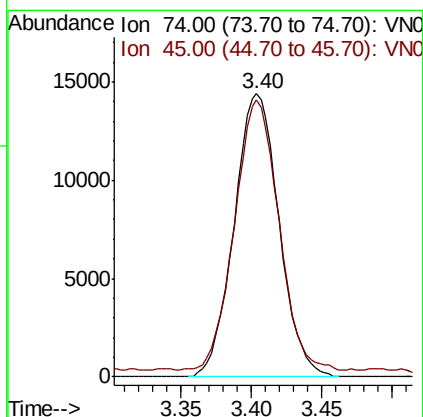
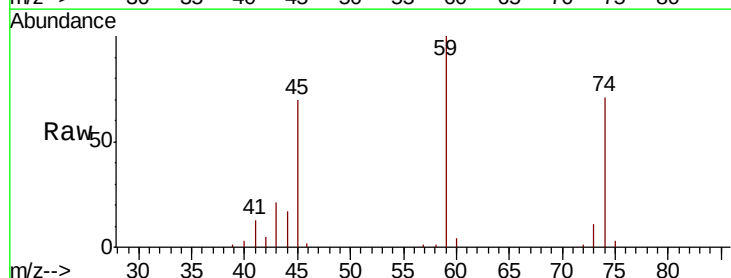
Tot Ion:101 Resp: 79314
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.2 76.8

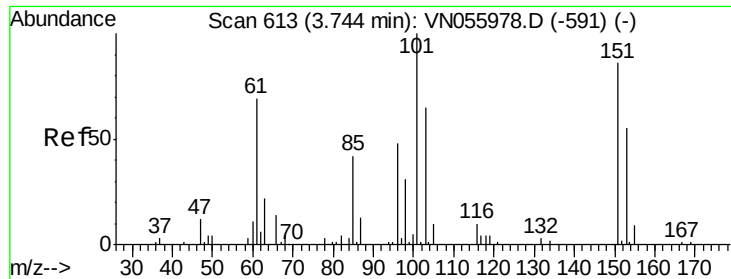


#8

Diethyl Ether
 Concen: 20.524 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion: 74 Resp: 32085
 Ion Ratio Lower Upper
 74 100
 45 93.7 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.622 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

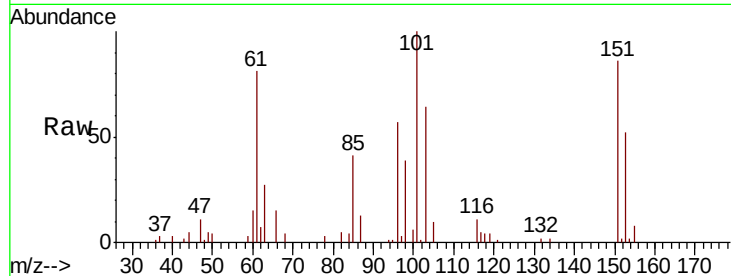
Tot Ion:101 Resp: 47622

Ion Ratio Lower Upper

101 100

85 42.3 33.4 50.2

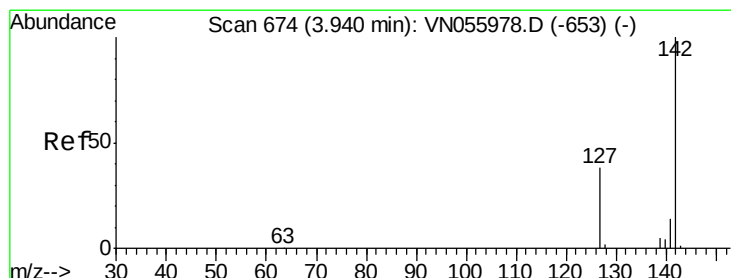
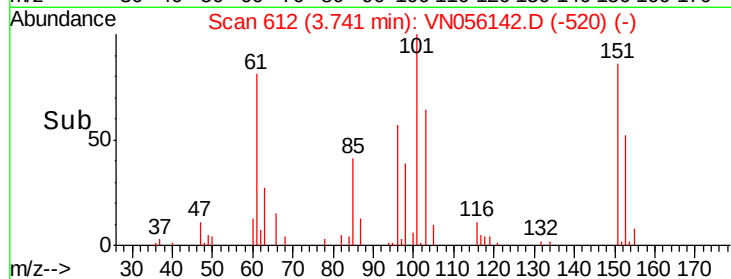
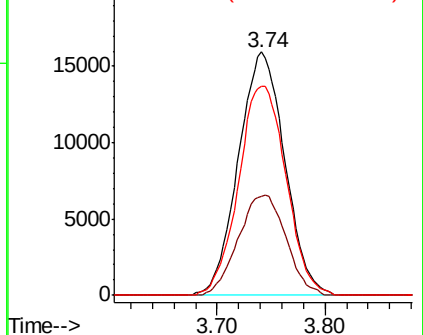
151 88.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.588 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

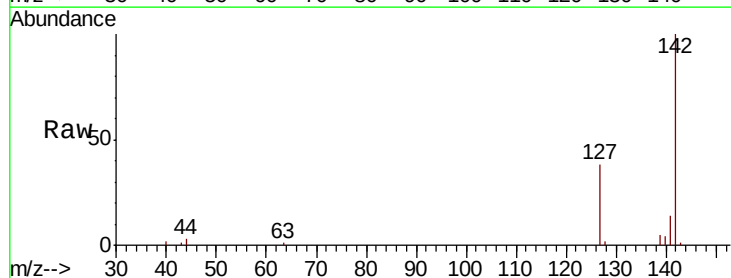
Tgt Ion:142 Resp: 71883

Ion Ratio Lower Upper

142 100

127 37.8 31.0 46.4

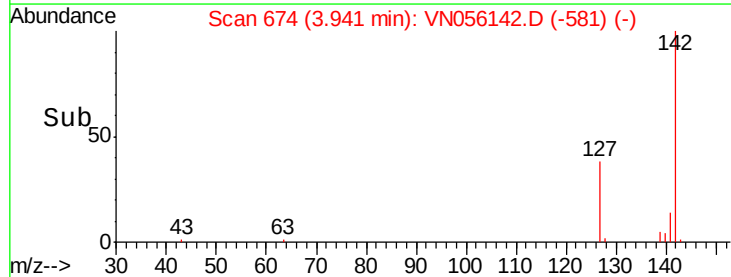
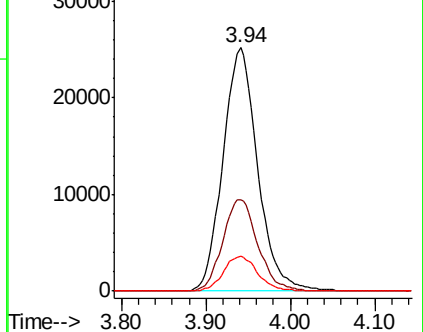
141 14.1 11.4 17.0

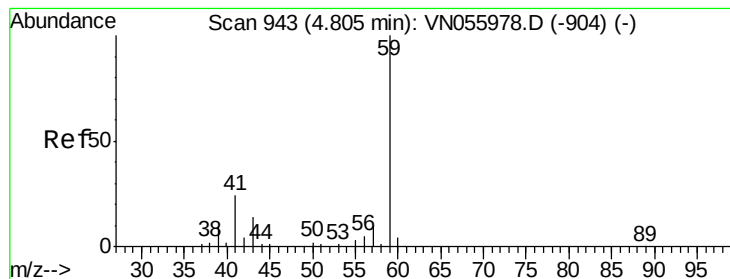


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.905 ug/l

RT: 4.82 min Scan# 946

Delta R.T. 0.01 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

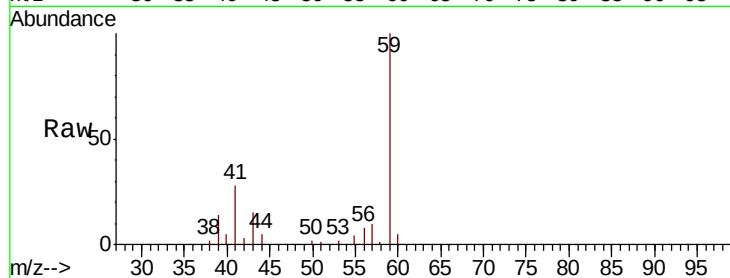
VN0608WBS04

Tot Ion: 59 Resp: 45855

Ion Ratio Lower Upper

59 100

57 10.4 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

15000

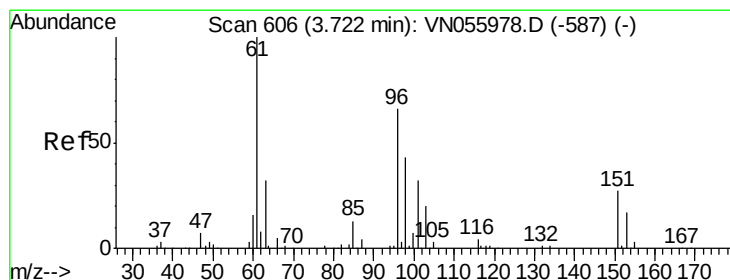
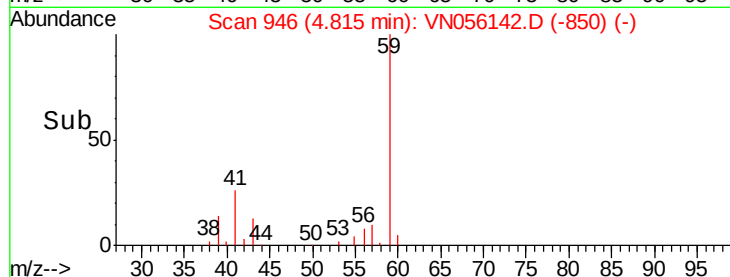
10000

5000

0

4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 20.824 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

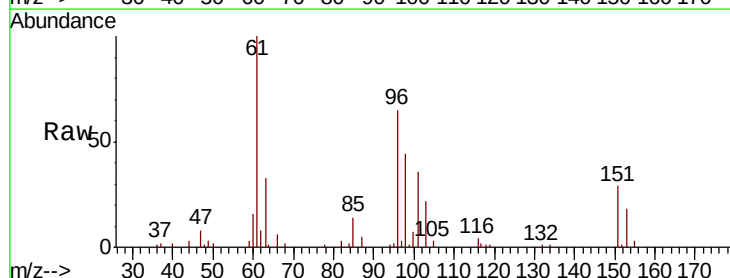
Tgt Ion: 96 Resp: 47874

Ion Ratio Lower Upper

96 100

61 153.5 123.2 184.8

98 67.5 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

40000

30000

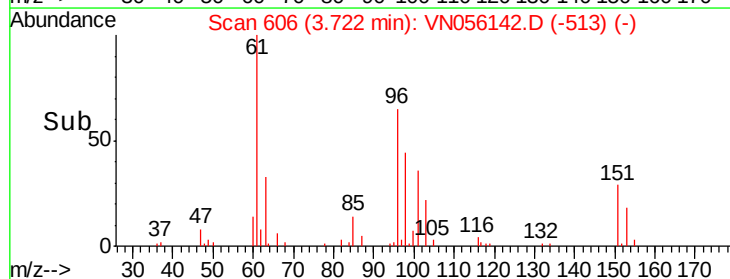
20000

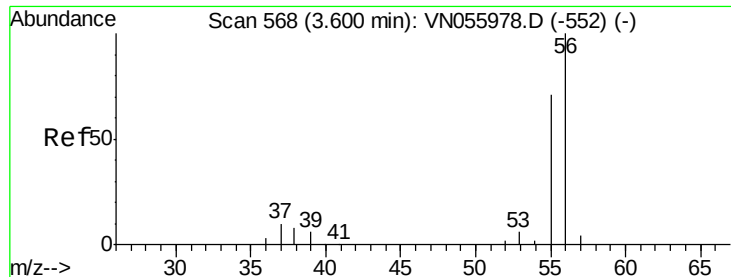
10000

0

3.65 3.70 3.75 3.80

Time-->





#13

Acrolein

Concen: 74.205 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

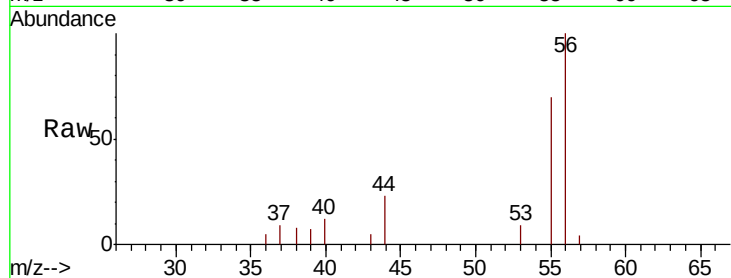
VN0608WBS04

Tot Ion: 56 Resp: 10127

Ion Ratio Lower Upper

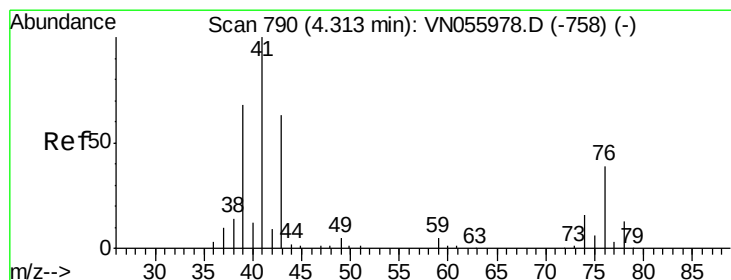
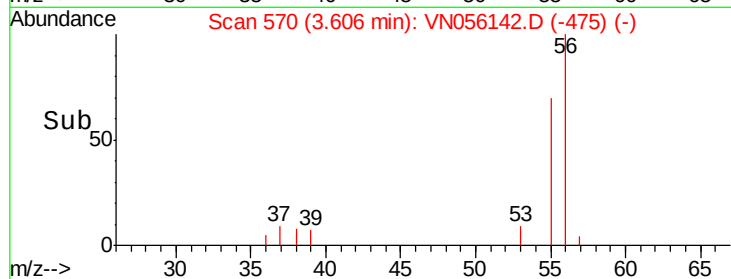
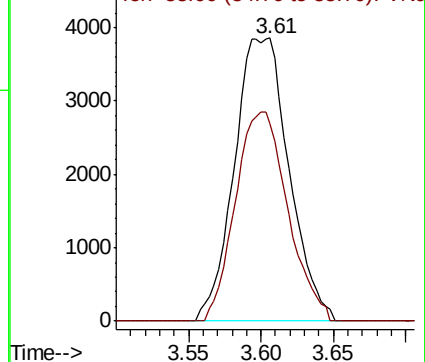
56 100

55 70.7 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.856 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

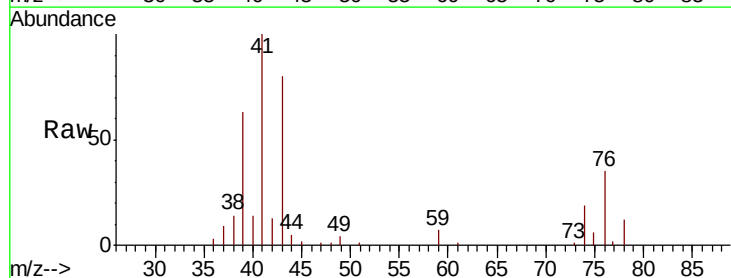
Tgt Ion: 41 Resp: 68451

Ion Ratio Lower Upper

41 100

39 60.8 50.0 75.0

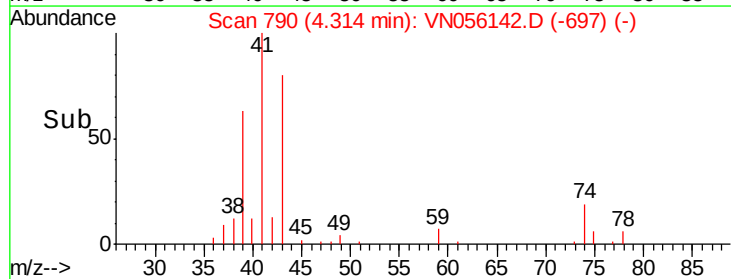
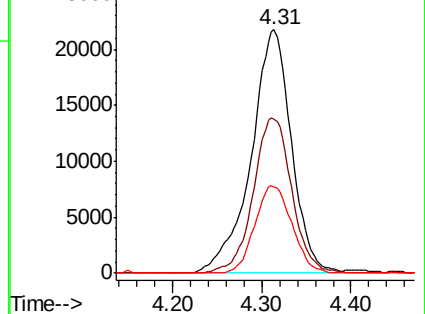
76 32.9 28.2 42.2

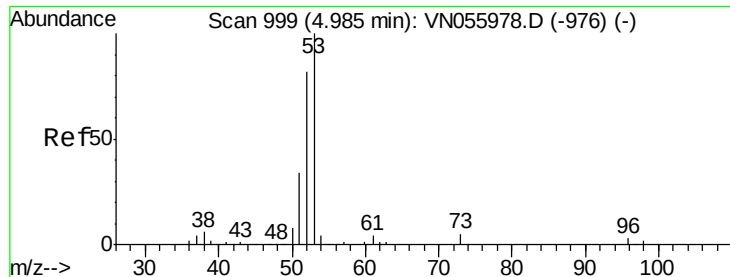


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 119.335 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS04

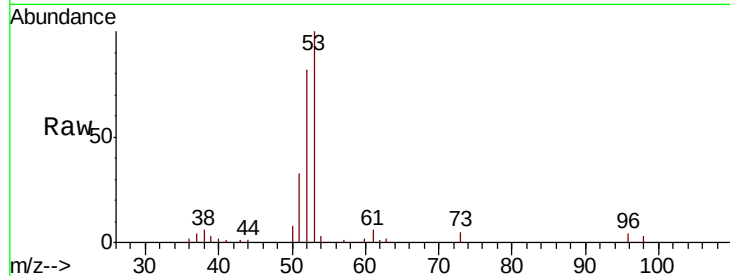
Tot Ion: 53 Resp: 137461

Ion Ratio Lower Upper

53 100

52 81.8 65.8 98.8

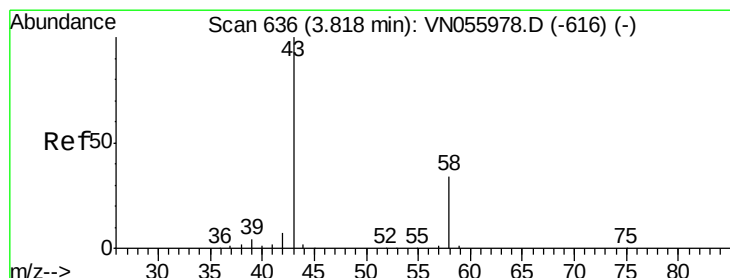
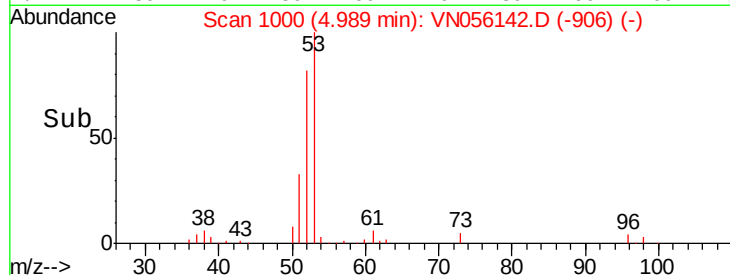
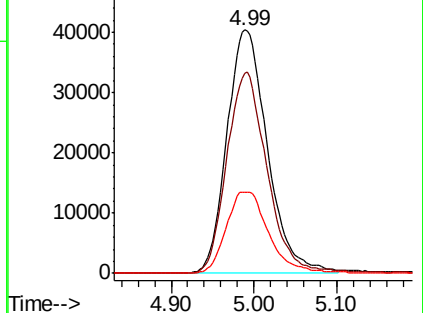
51 35.0 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 87.348 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056142.D

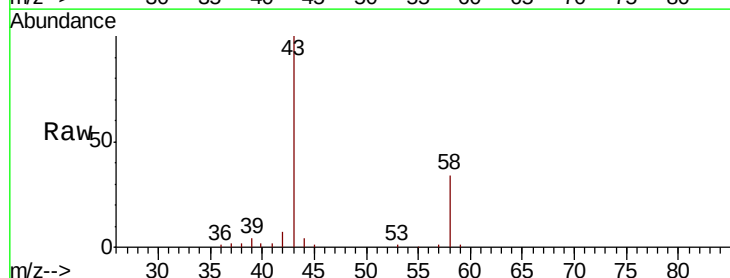
Acq: 8 Jun 2019 10:22

Tgt Ion: 43 Resp: 113596

Ion Ratio Lower Upper

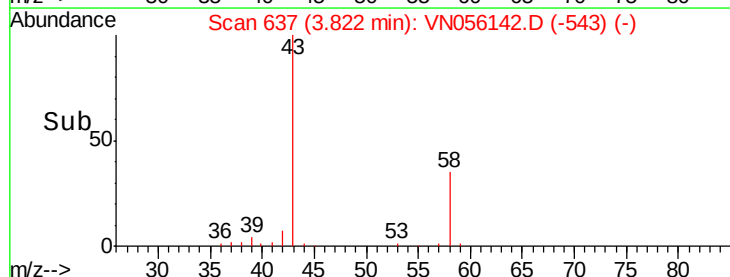
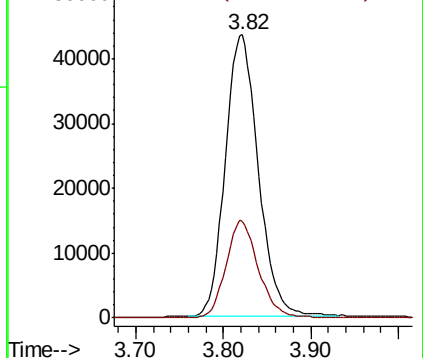
43 100

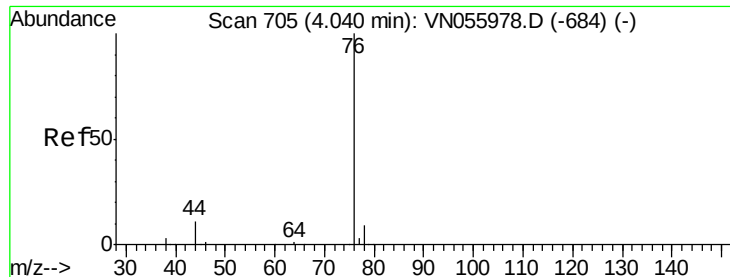
58 34.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.900 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

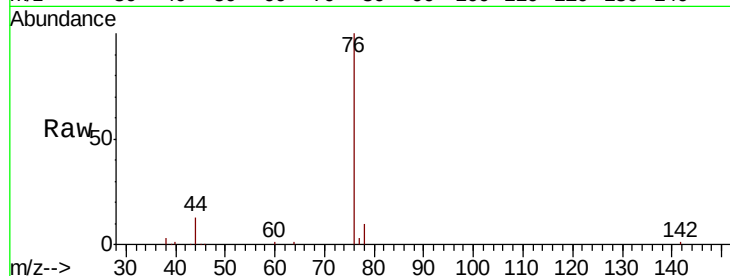
VN0608WBS04

Tot Ion: 76 Resp: 93026

Ion Ratio Lower Upper

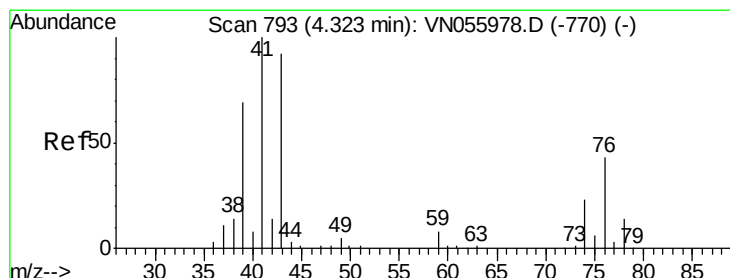
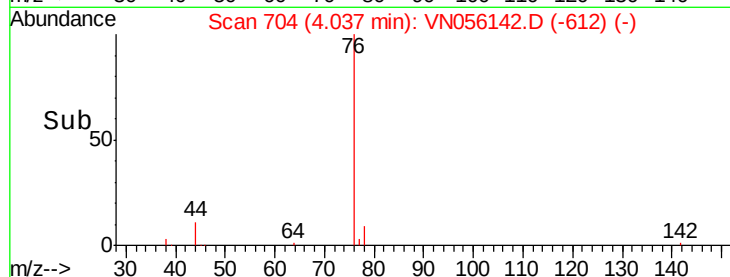
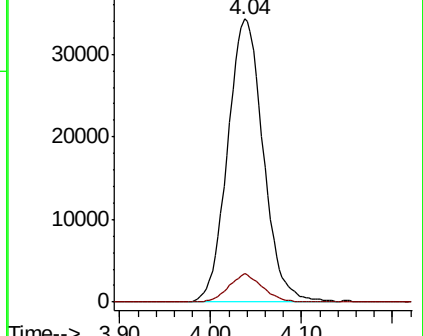
76 100

78 10.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 25.414 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056142.D

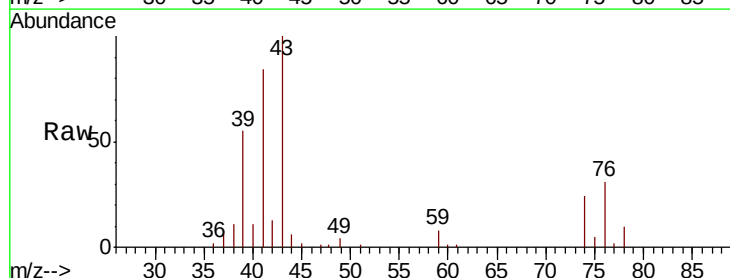
Acq: 8 Jun 2019 10:22

Tgt Ion: 43 Resp: 65648

Ion Ratio Lower Upper

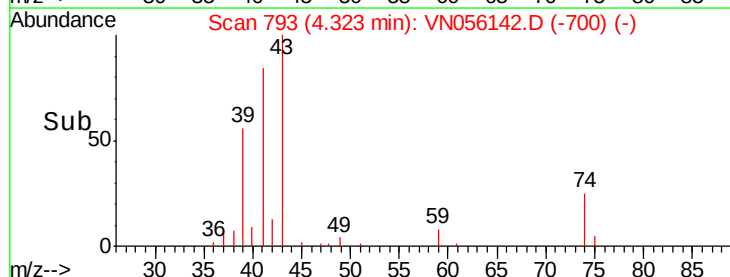
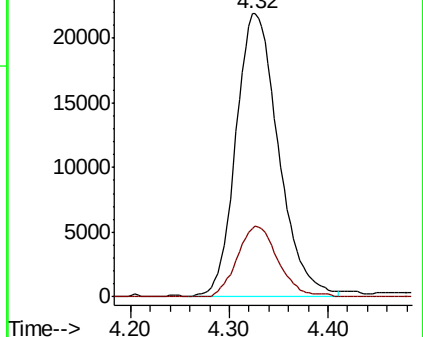
43 100

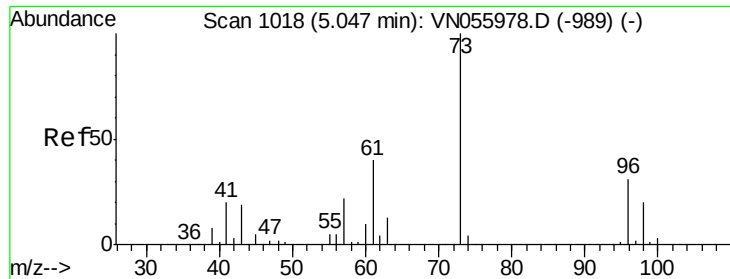
74 23.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

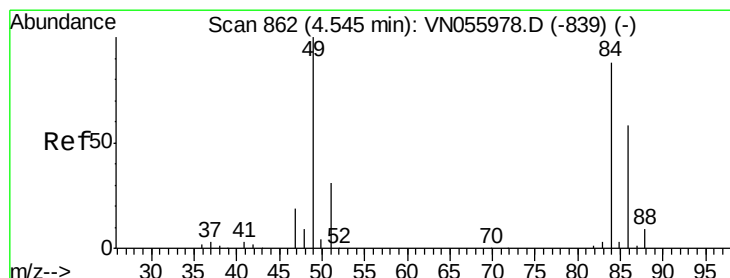
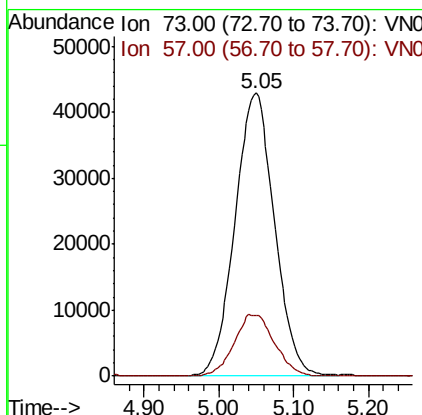
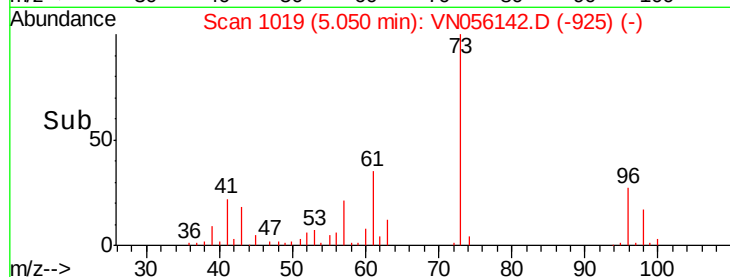
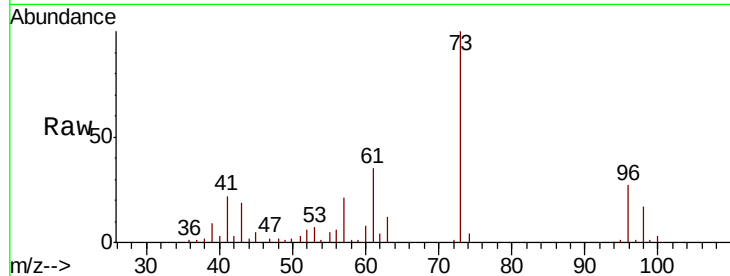




#19
Methyl tert-butyl Ether
Concen: 21.507 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

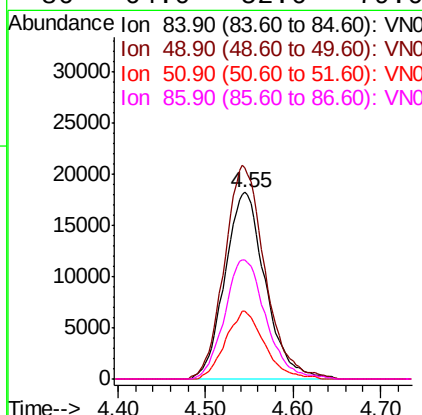
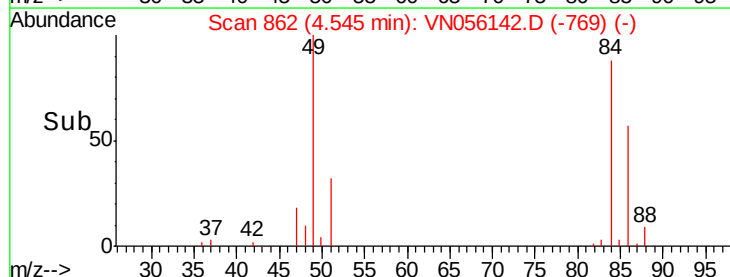
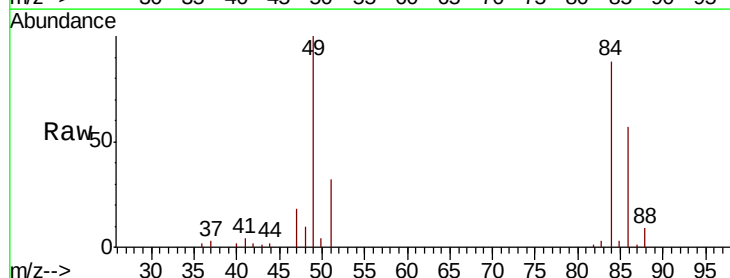
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

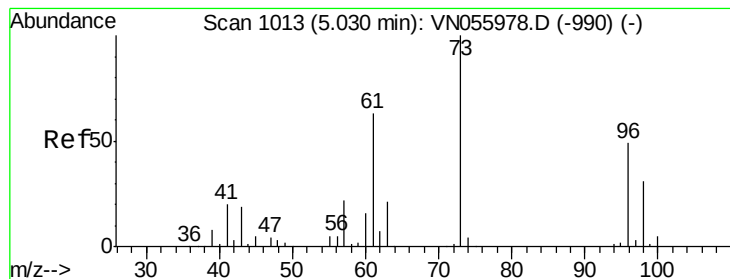
Tot Ion: 73 Resp: 157603
Ion Ratio Lower Upper
73 100
57 21.3 17.8 26.8



#20
Methylene Chloride
Concen: 21.842 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 84 Resp: 58523
Ion Ratio Lower Upper
84 100
49 113.3 93.5 140.3
51 36.5 28.6 43.0
86 64.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.858 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

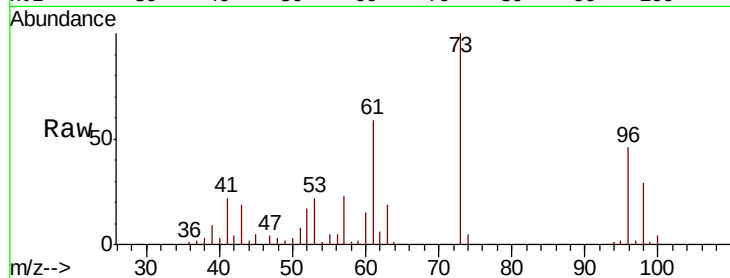
Tot Ion: 96 Resp: 51378

Ion Ratio Lower Upper

96 100

61 129.8 107.8 161.8

98 62.9 49.8 74.8

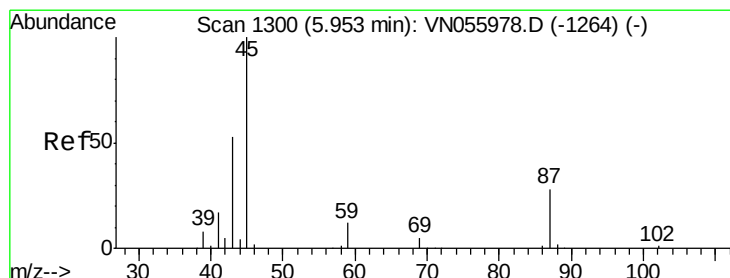
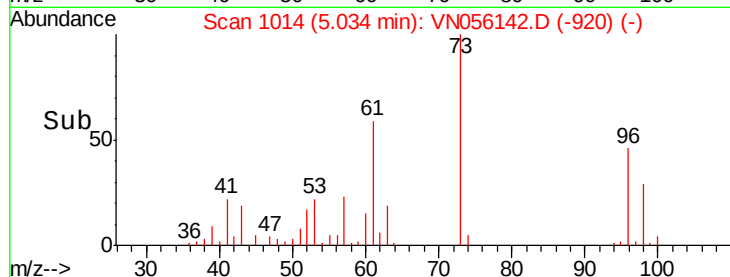
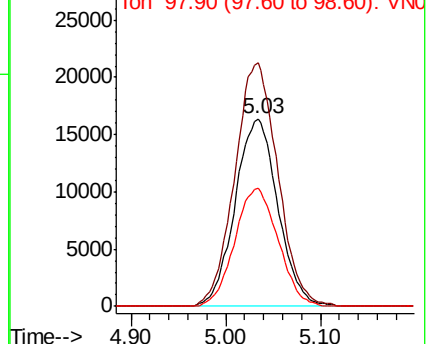


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.777 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Tgt Ion: 45 Resp: 163417

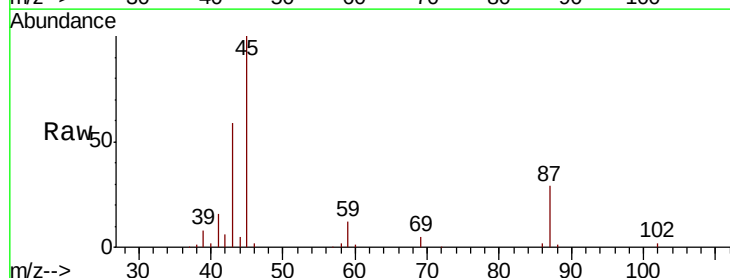
Ion Ratio Lower Upper

45 100

43 56.8 45.0 67.6

87 28.6 22.2 33.4

59 12.3 9.1 13.7



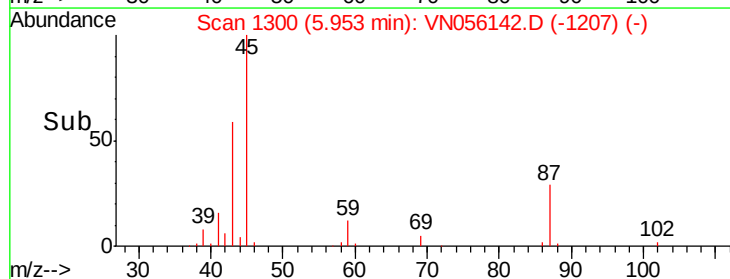
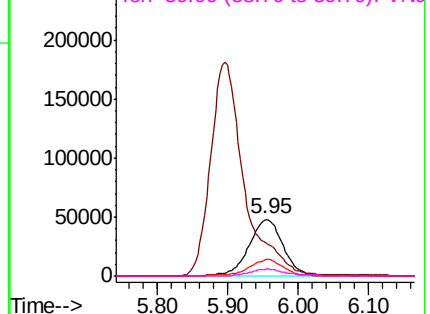
Abundance

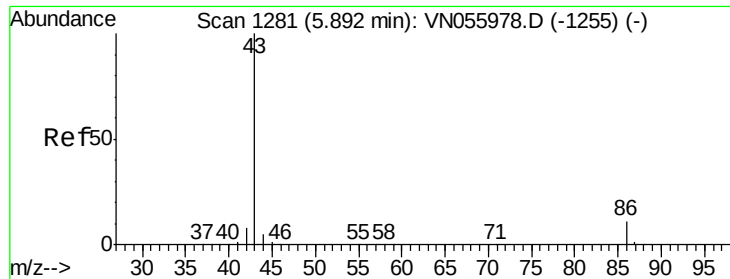
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 102.422 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

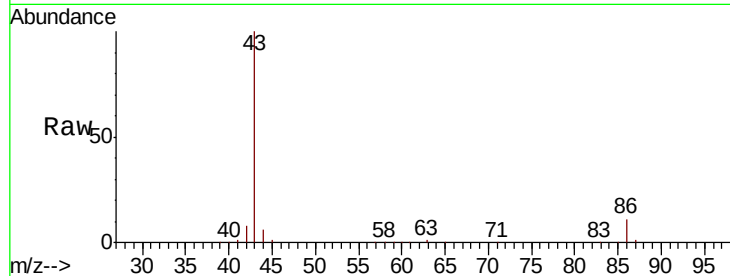
VN0608WBS04

Tot Ion: 43 Resp: 605273

Ion Ratio Lower Upper

43 100

86 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

200000

150000

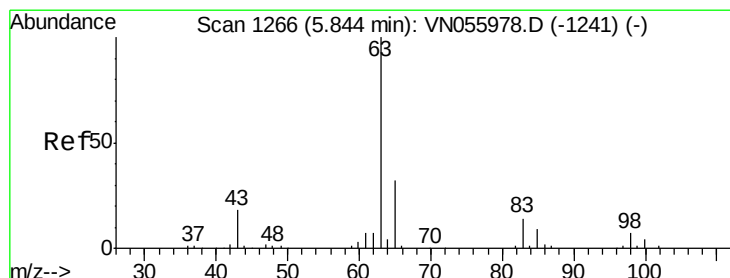
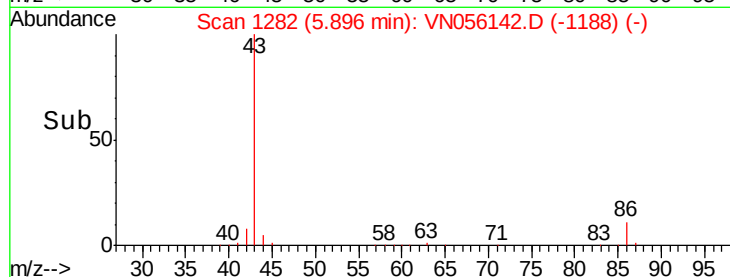
100000

50000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 21.628 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

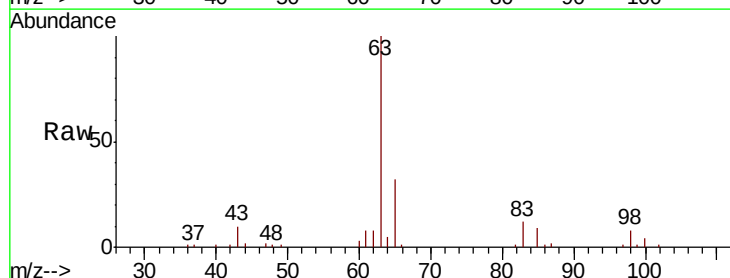
Tgt Ion: 63 Resp: 93622

Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.1

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

40000

30000

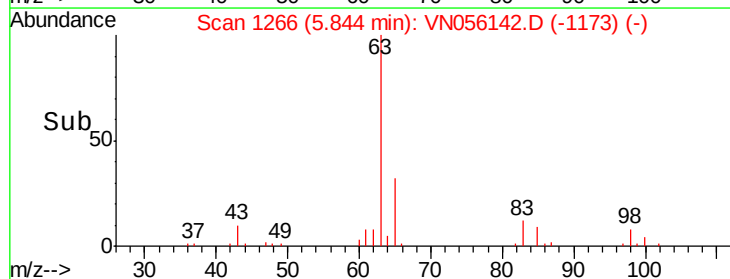
20000

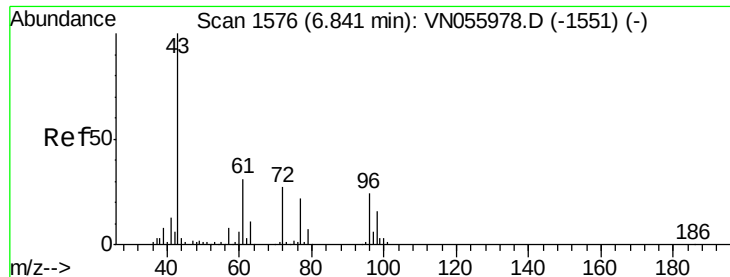
10000

0

Time-->

5.70 5.80 5.90

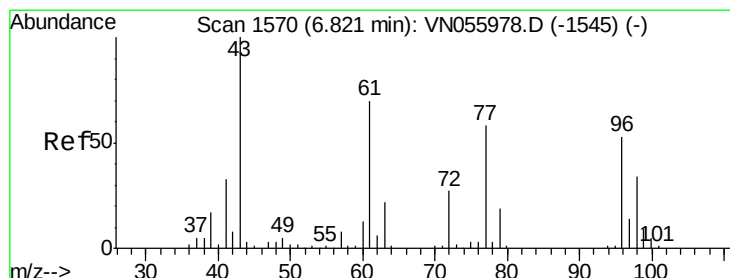
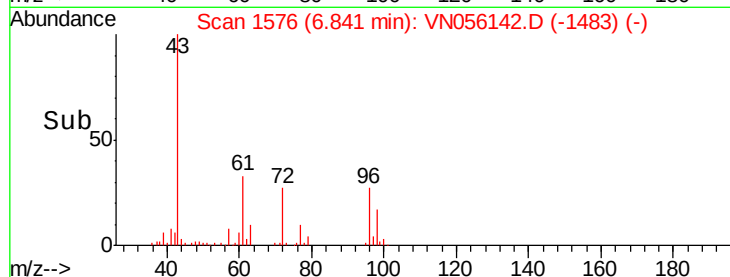
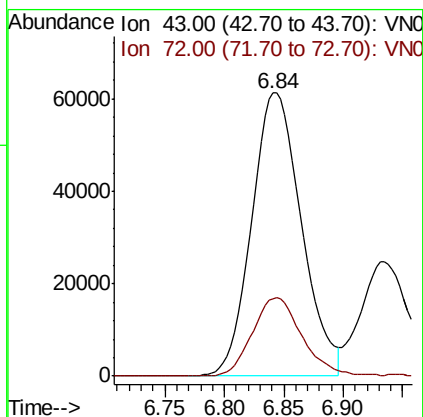
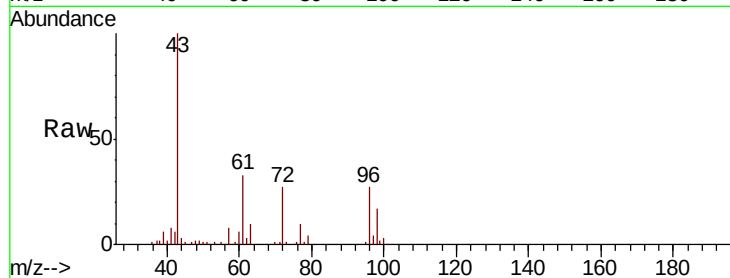




#25
2-Butanone
Concen: 108.162 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

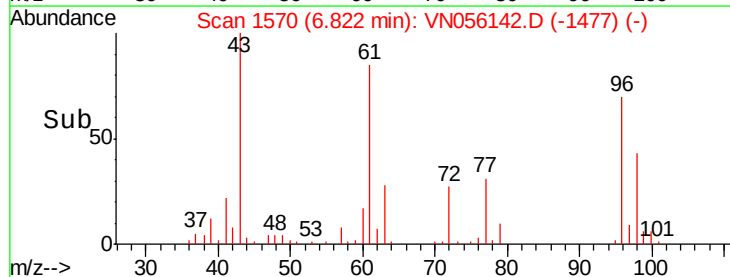
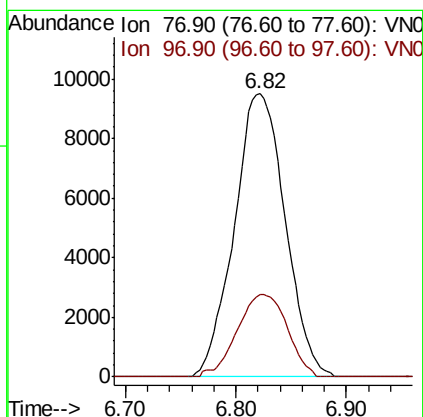
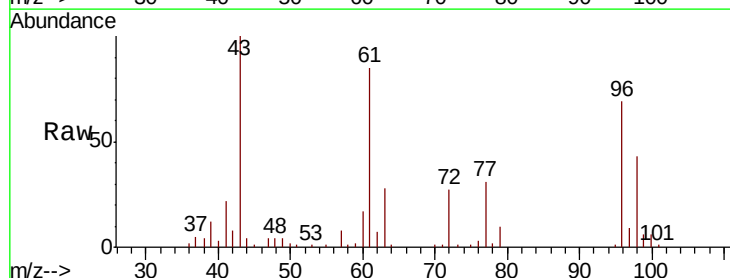
Instrument :
MSVOA_N
ClientSampled :
VN0608WBS04

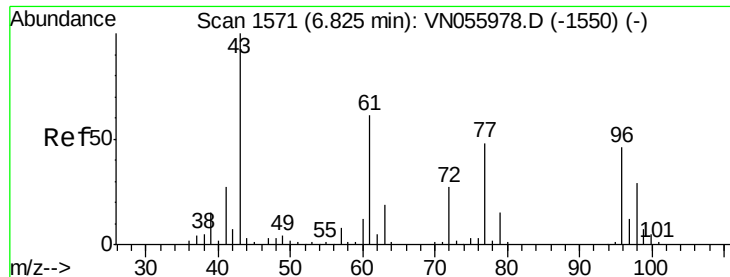
Tot Ion: 43 Resp: 177725
Ion Ratio Lower Upper
43 100
72 27.5 21.9 32.9



#26
2,2-Dichloropropane
Concen: 8.997 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 77 Resp: 30390
Ion Ratio Lower Upper
77 100
97 28.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.493 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

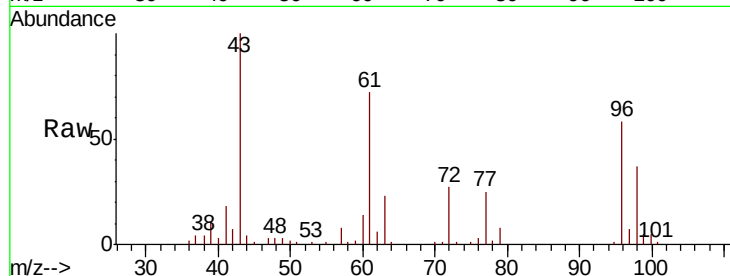
MSVOA_N

ClientSampleId :

VN0608WBS04

Tot Ion: 96 Resp: 62233

Ion	Ratio	Lower	Upper
96	100		
61	125.5	0.0	275.8
98	62.6	0.0	128.4

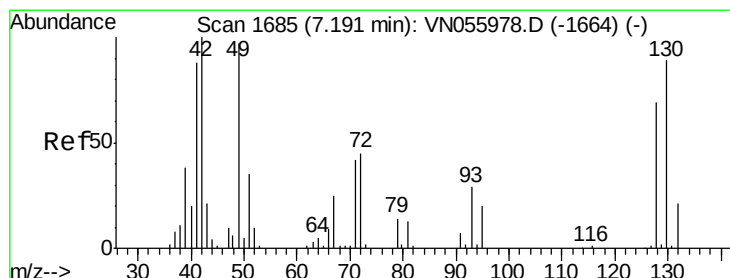
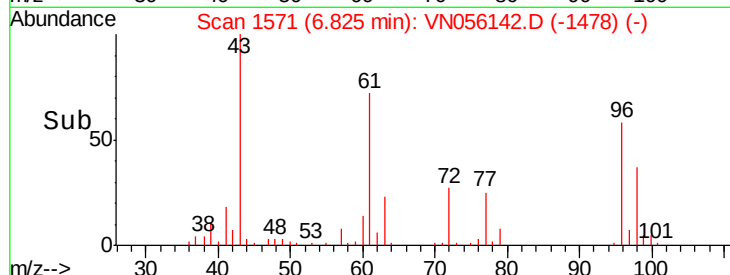
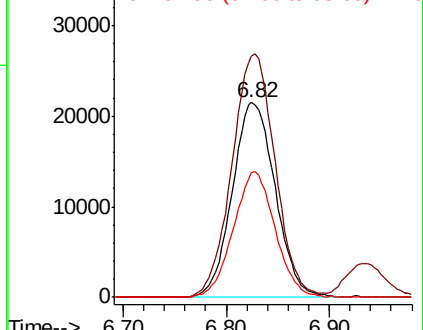


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.463 ug/l

RT: 7.19 min Scan# 1685

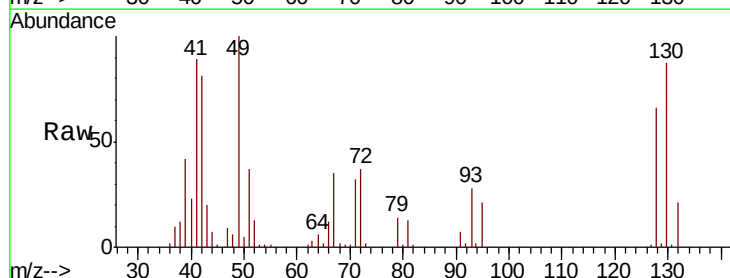
Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Tgt Ion: 49 Resp: 45982

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.4
130	88.6	71.2	106.8

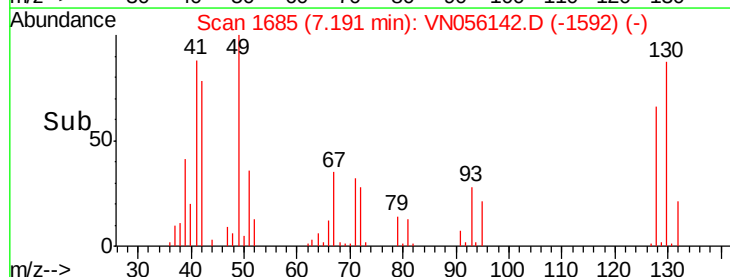
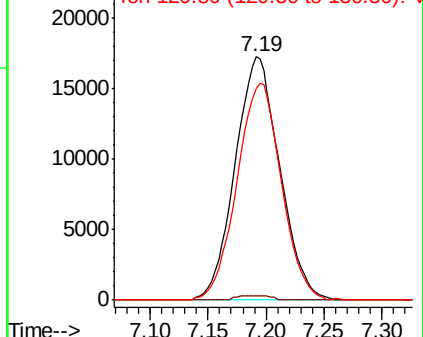


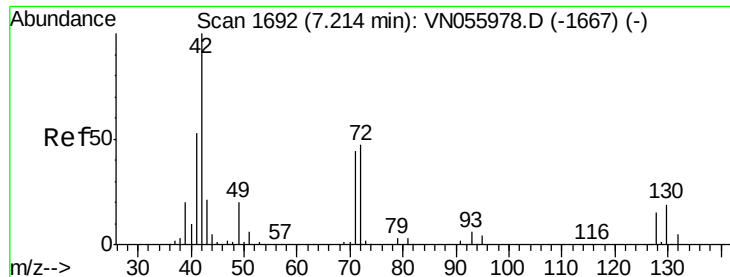
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

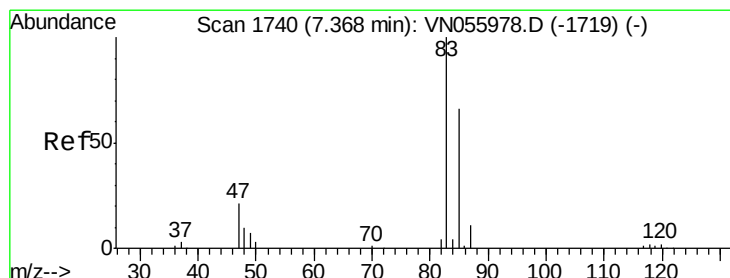
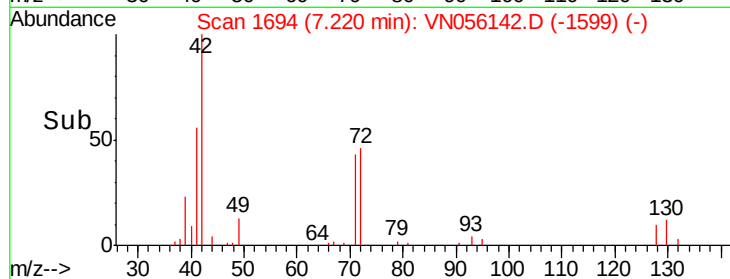
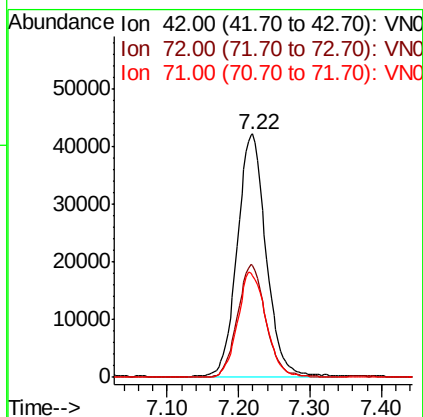
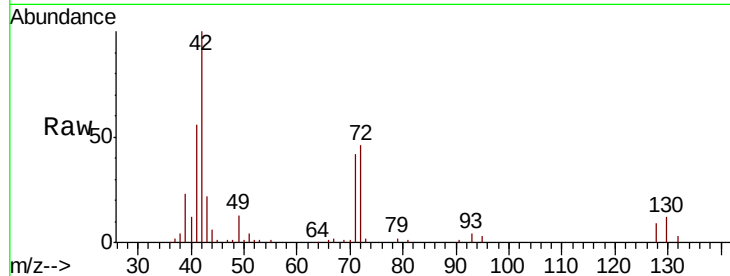




#29
Tetrahydrofuran
Concen: 118.138 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

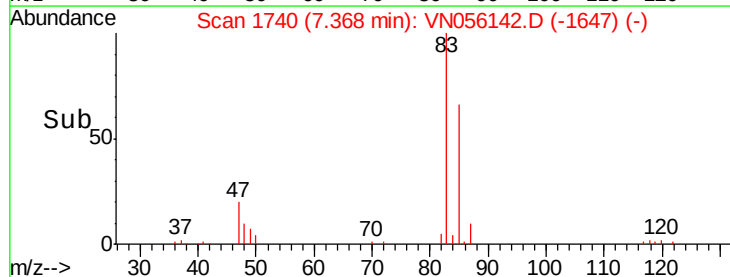
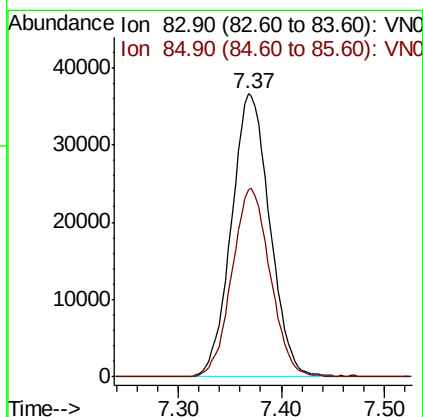
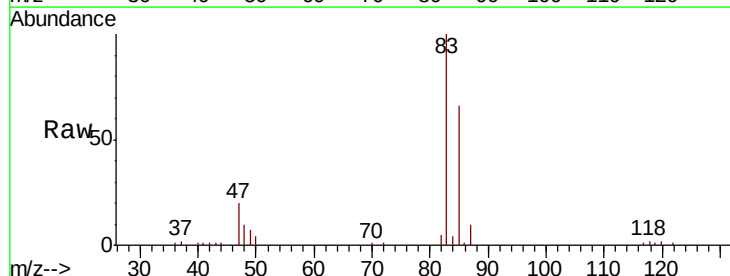
Instrument :
MSVOA_N
ClientSampled :
VN0608WBS04

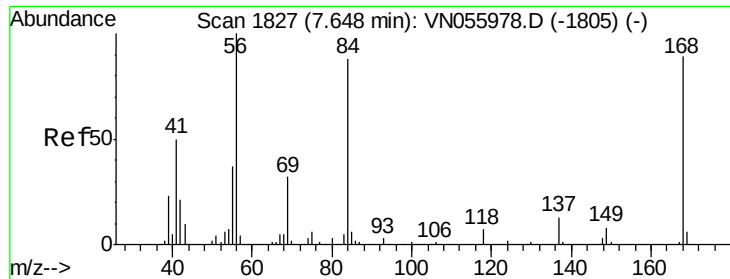
Tot Ion: 42 Resp: 119991
Ion Ratio Lower Upper
42 100
72 44.9 35.9 53.9
71 42.3 34.0 51.0



#30
Chloroform
Concen: 21.738 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 83 Resp: 94658
Ion Ratio Lower Upper
83 100
85 66.4 51.8 77.8

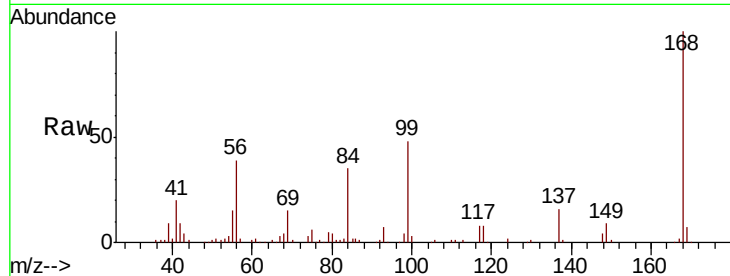




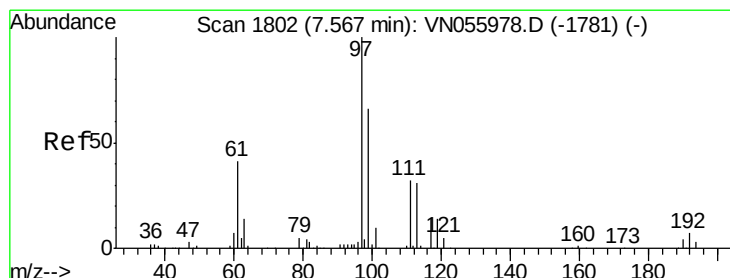
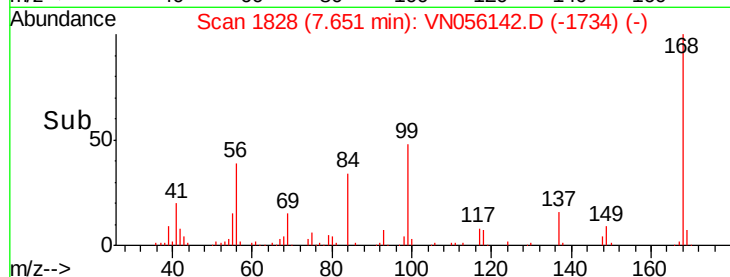
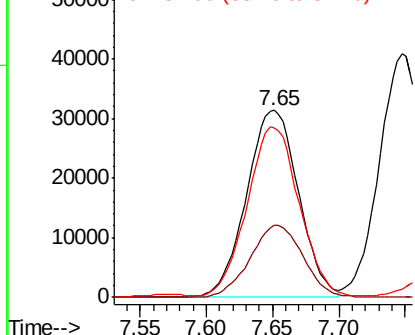
#31
Cyclohexane
Concen: 19.939 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS04

Tot Ion: 56 Resp: 86030
Ion Ratio Lower Upper
56 100
69 38.3 25.6 38.4
84 90.0 67.4 101.0

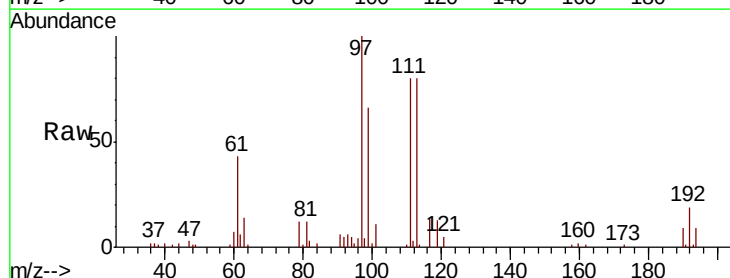


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

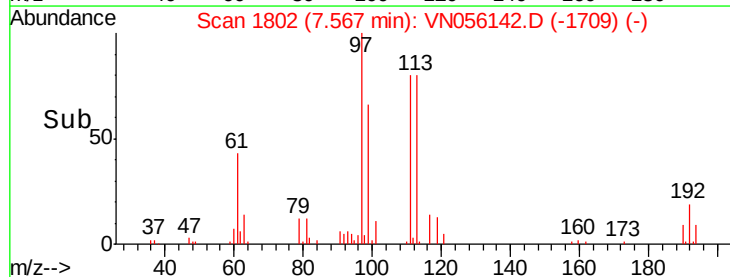
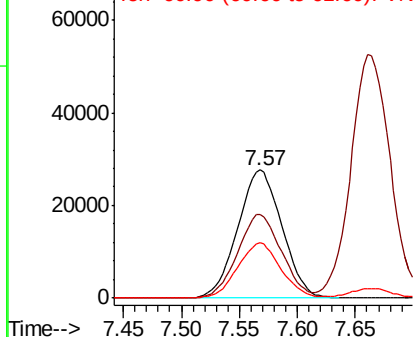


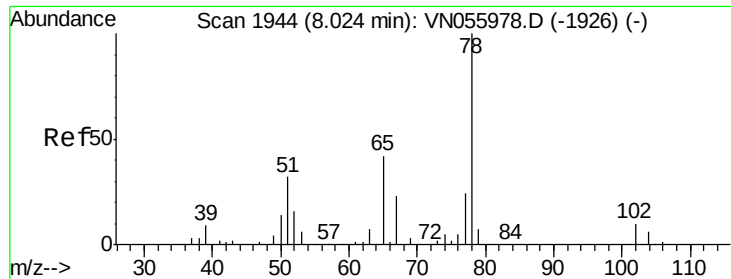
#32
1,1,1-Trichloroethane
Concen: 20.197 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 97 Resp: 73443
Ion Ratio Lower Upper
97 100
99 65.1 52.0 78.0
61 42.2 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

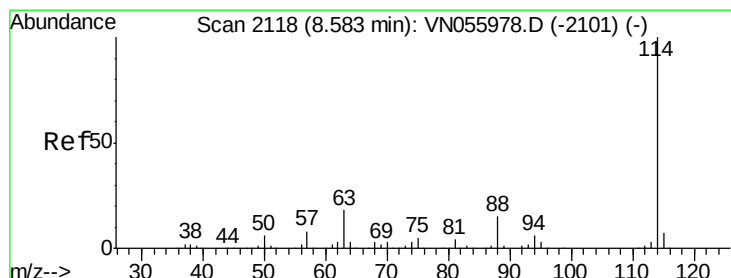
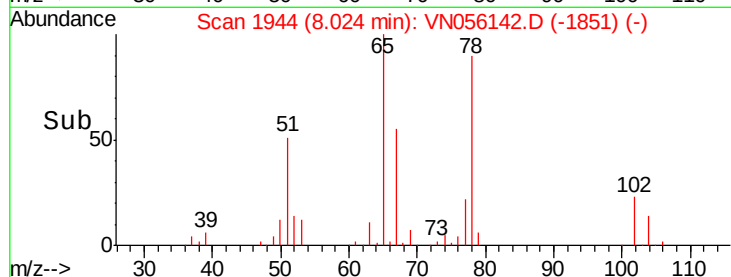
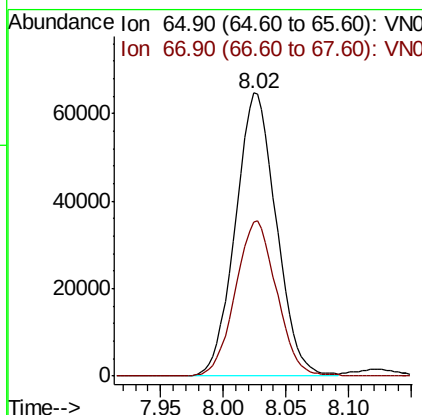
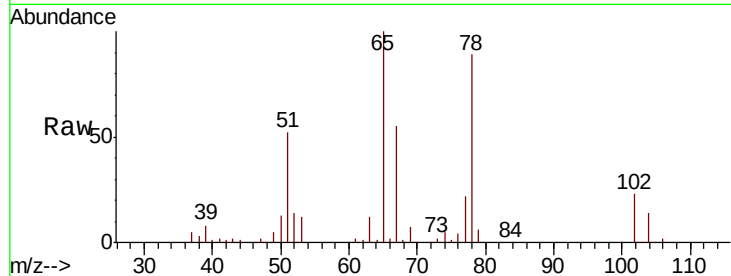




#33
 1,2-Dichloroethane-d4
 Concen: 53.954 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

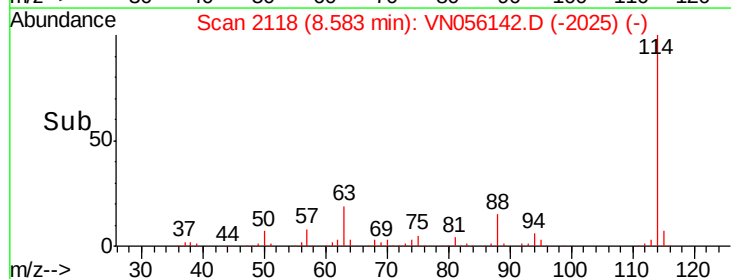
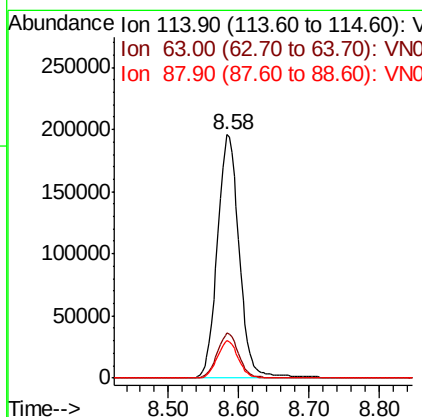
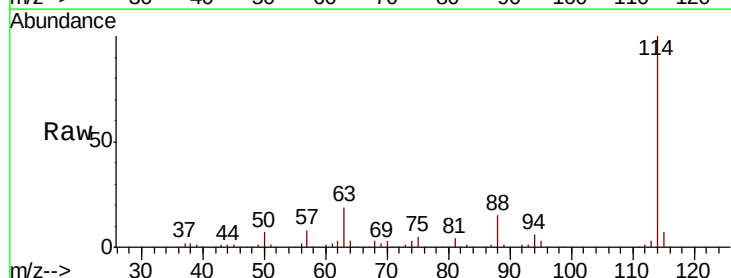
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

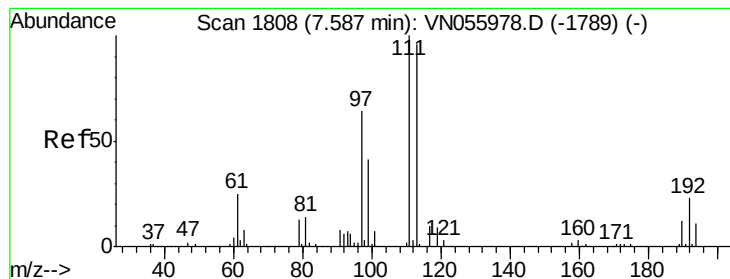
Tot Ion: 65 Resp: 146711
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion: 114 Resp: 423663
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.2
 88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.981 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS04

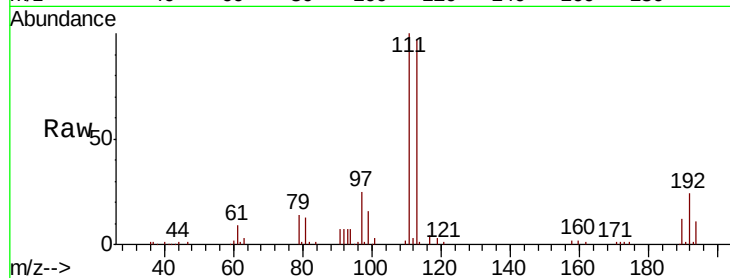
Tot Ion:113 Resp: 129916

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

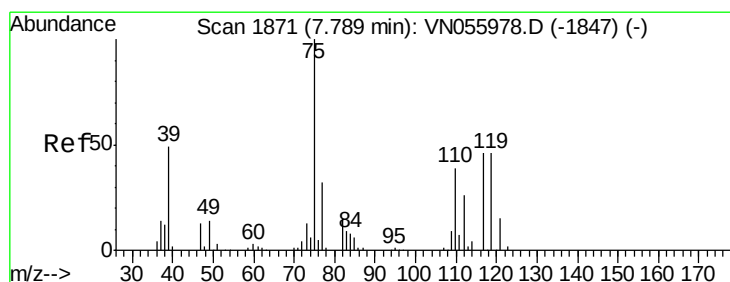
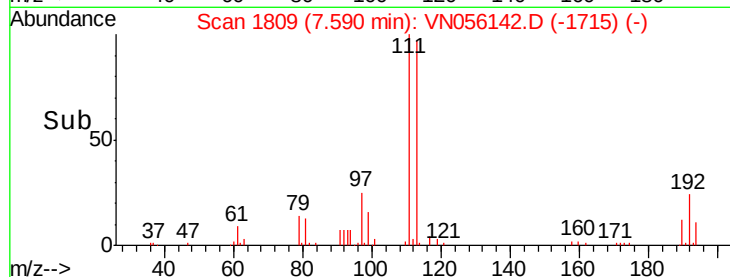
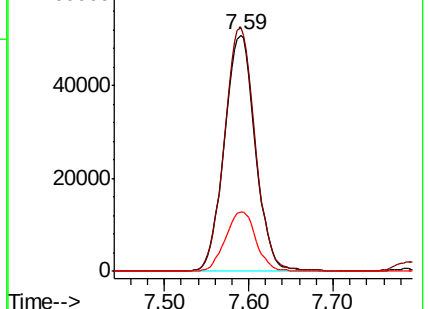
192 24.8 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.461 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

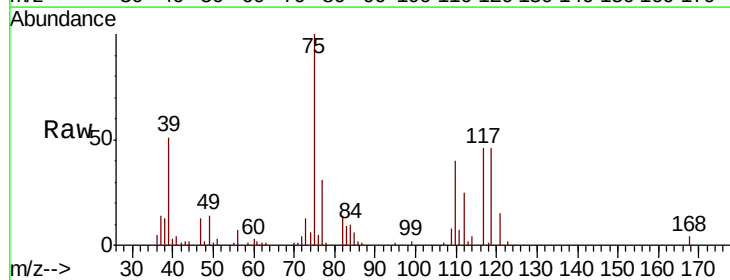
Tgt Ion: 75 Resp: 67252

Ion Ratio Lower Upper

75 100

110 38.9 19.0 57.0

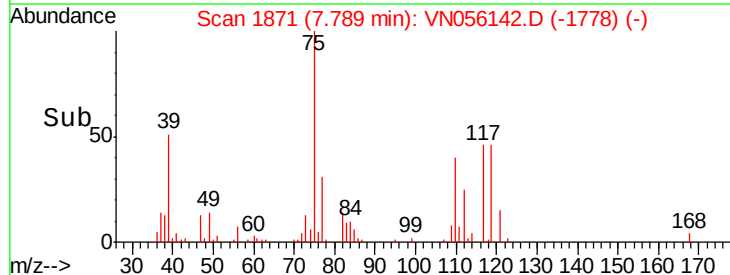
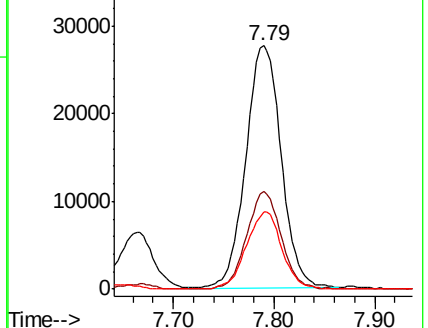
77 32.0 25.1 37.7

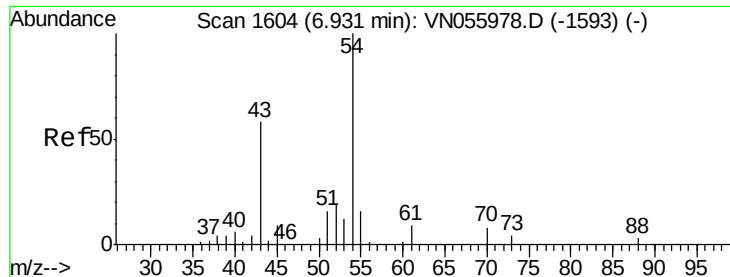


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

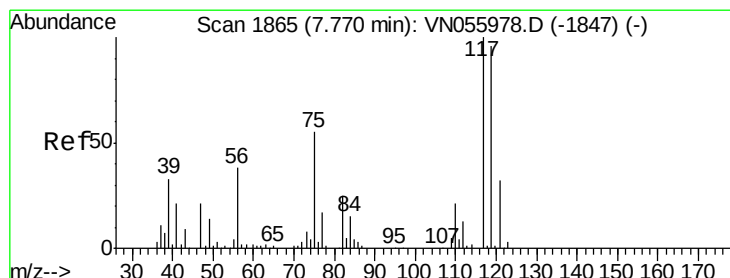
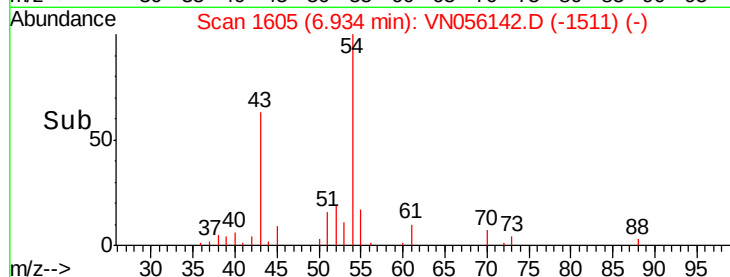
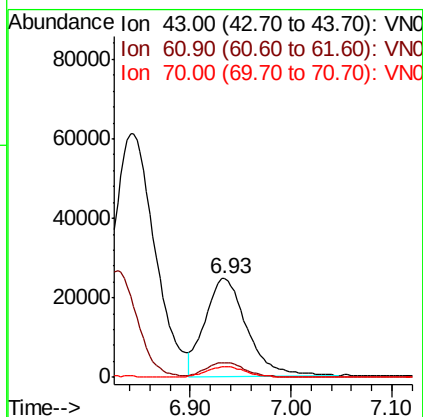
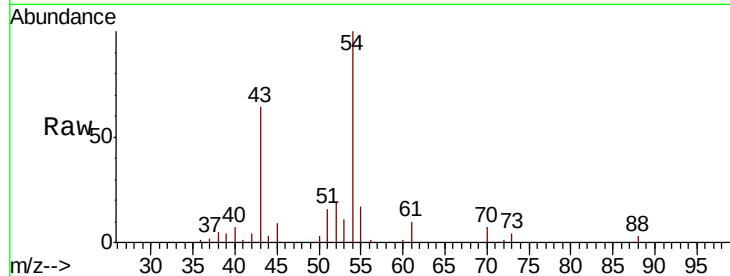




#37
Ethyl Acetate
Concen: 21.747 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

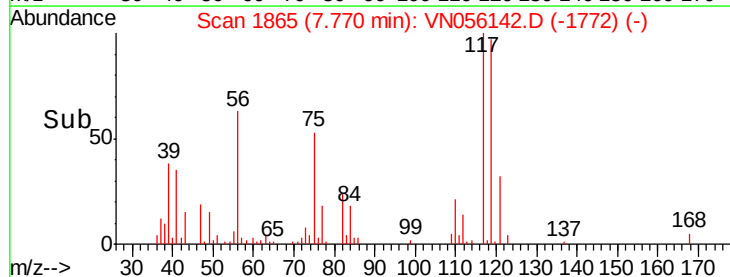
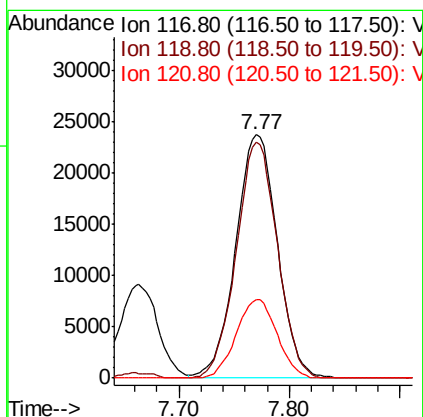
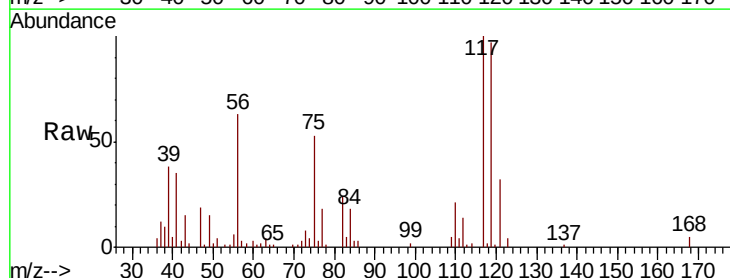
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

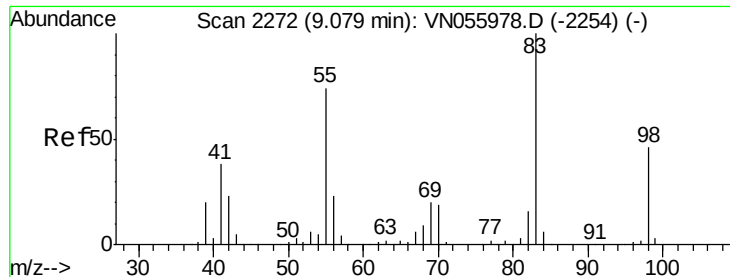
Tot Ion: 43 Resp: 70490
Ion Ratio Lower Upper
43 100
61 14.7 12.2 18.2
70 10.6 8.9 13.3



#38
Carbon Tetrachloride
Concen: 18.498 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 117 Resp: 62127
Ion Ratio Lower Upper
117 100
119 96.8 79.0 118.6
121 32.1 24.7 37.1

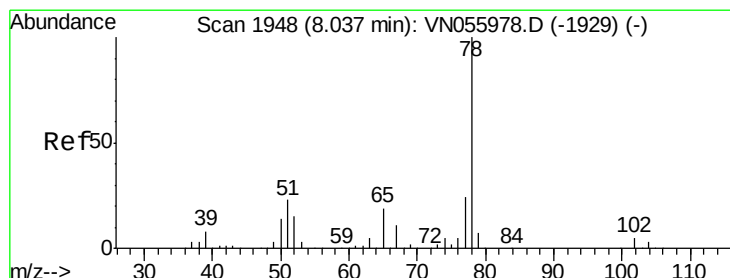
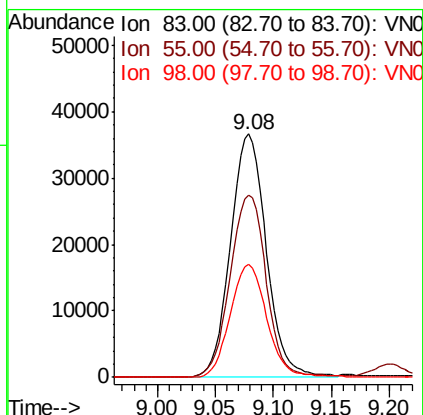
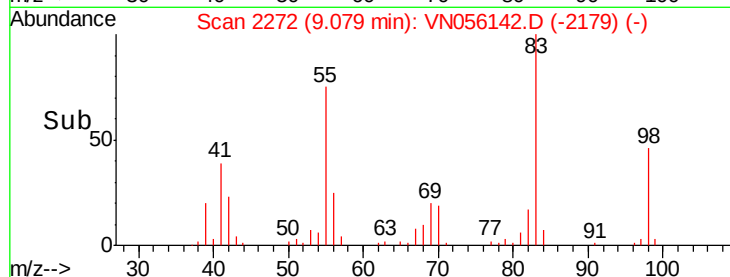
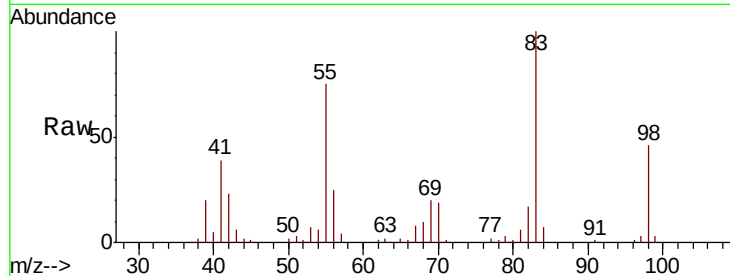




#39
Methylvlcyclohexane
Concen: 17.341 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

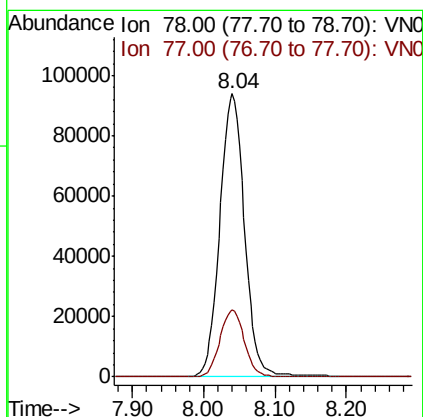
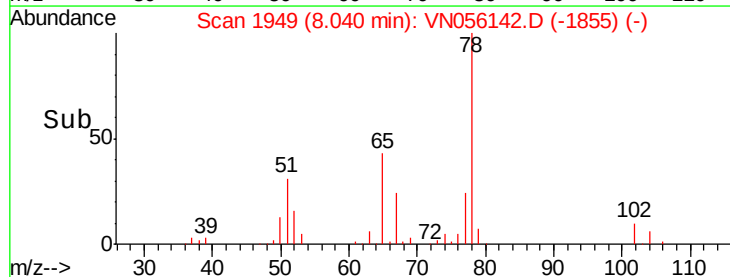
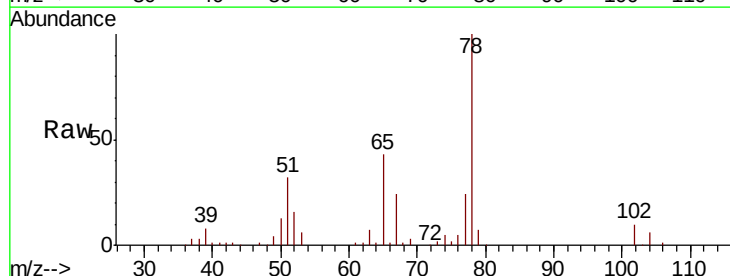
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

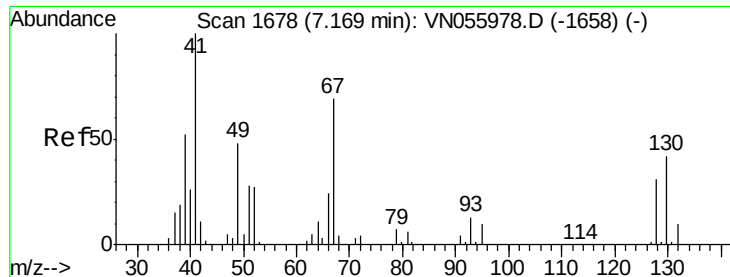
Tot Ion: 83 Resp: 78692
Ion Ratio Lower Upper
83 100
55 75.0 59.3 88.9
98 46.4 36.6 54.8



#40
Benzene
Concen: 20.457 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 78 Resp: 226347
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

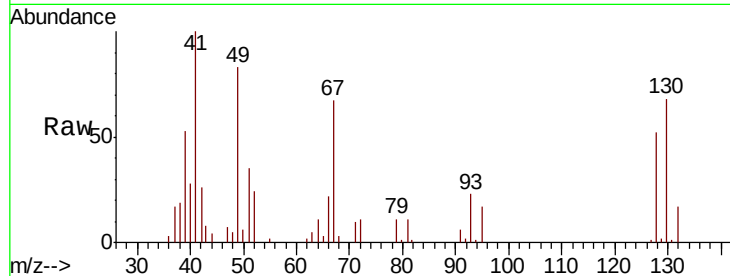




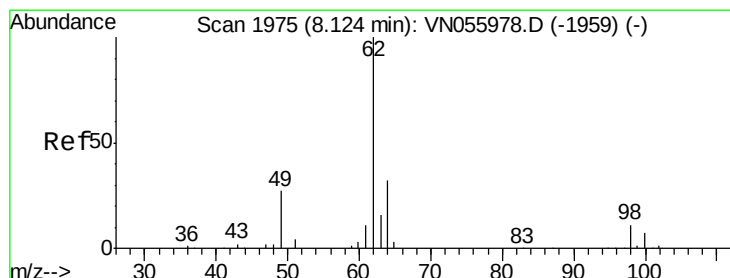
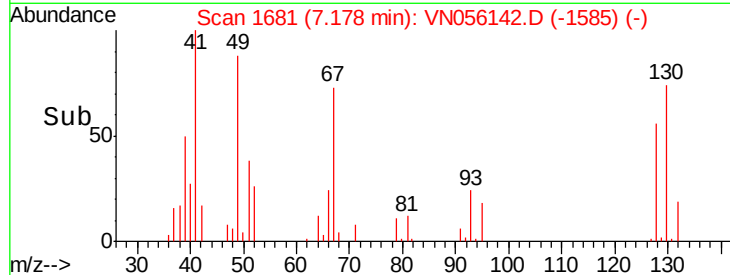
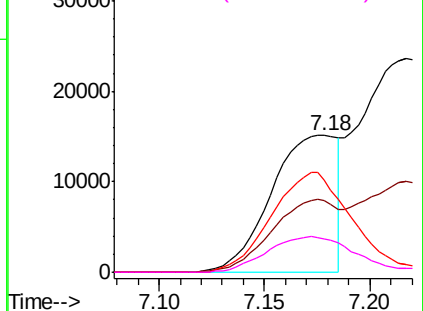
#41
Methacrylonitrile
Concen: 22.146 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion: 41 Resp: 33026
Ion Ratio Lower Upper
41 100
39 55.6 45.6 68.4
67 89.8 67.7 101.5
52 34.8 26.6 40.0

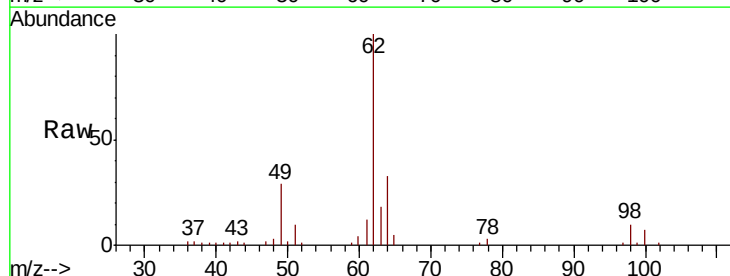


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

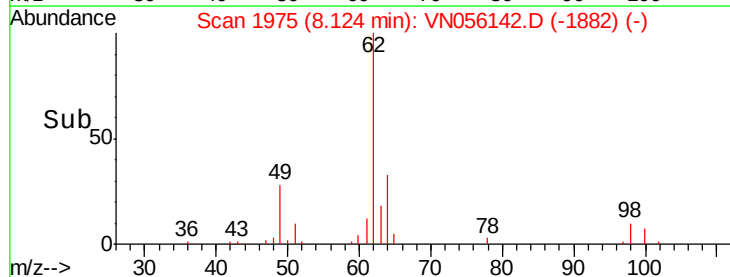
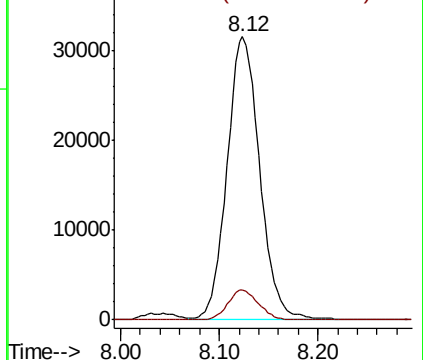


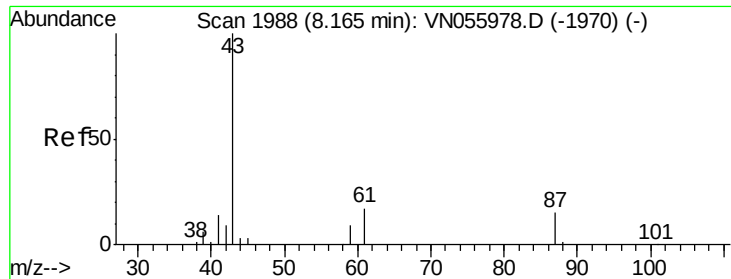
#42
1,2-Dichloroethane
Concen: 20.526 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 62 Resp: 73052
Ion Ratio Lower Upper
62 100
98 9.8 0.0 20.2



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





#43

Isopropyl Acetate

Concen: 19.860 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

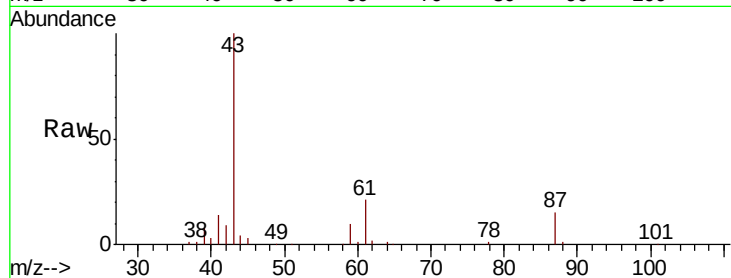
Tot Ion: 43 Resp: 104315

Ion Ratio Lower Upper

43 100

61 29.8 22.2 33.4

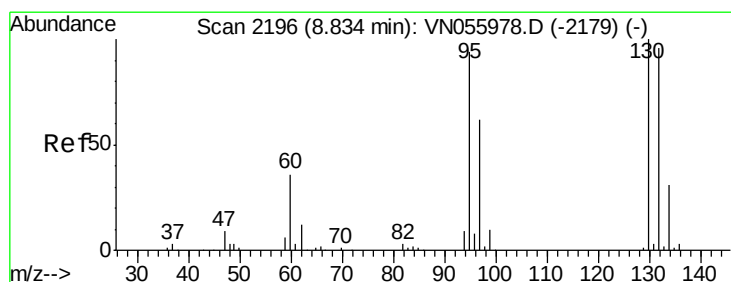
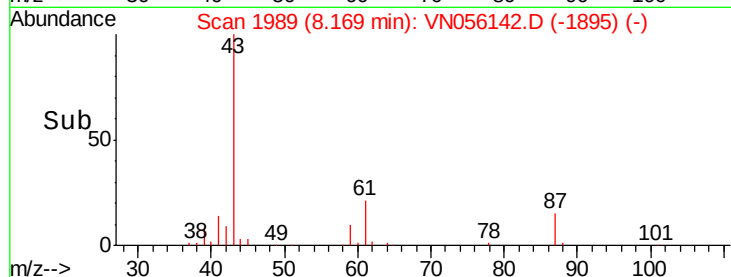
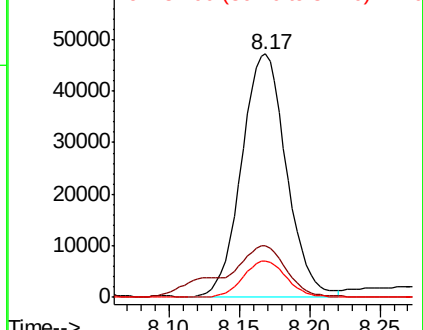
87 14.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 20.191 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056142.D

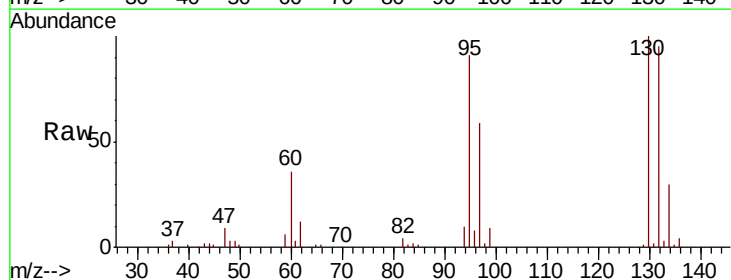
Acq: 8 Jun 2019 10:22

Tgt Ion:130 Resp: 64194

Ion Ratio Lower Upper

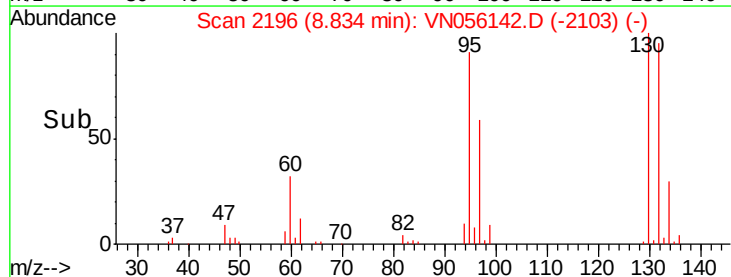
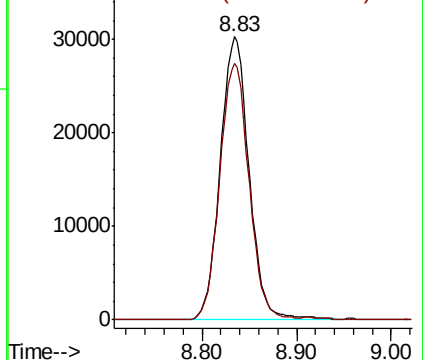
130 100

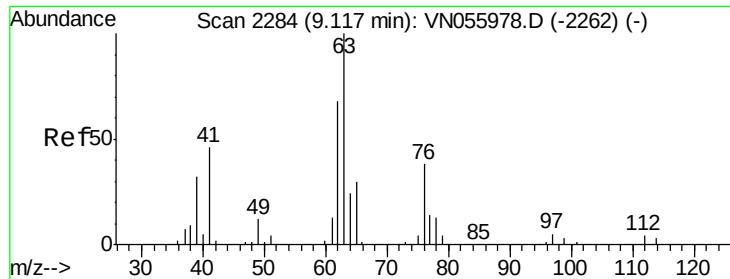
95 90.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

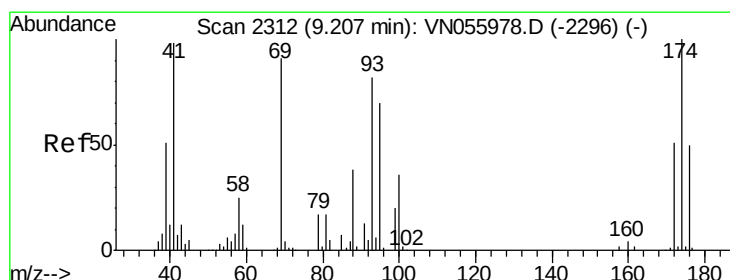
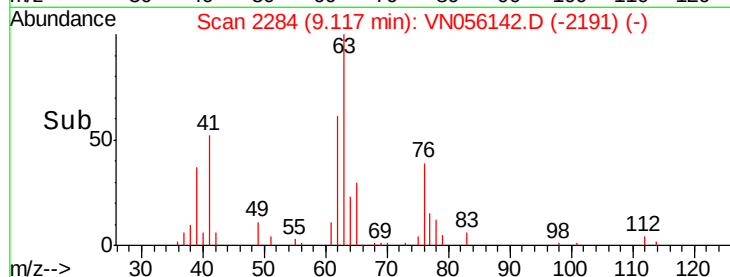
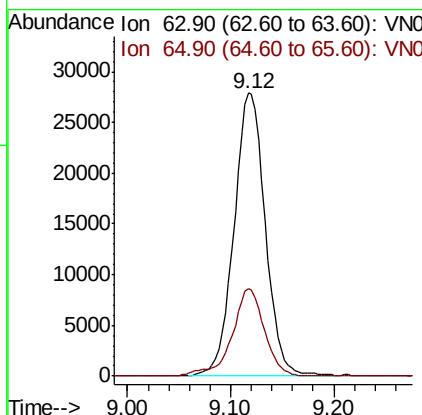
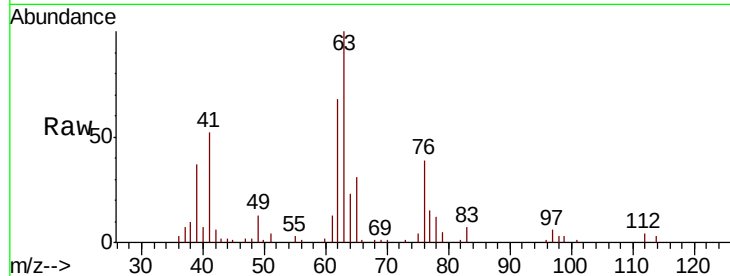




#45
 1,2-Dichloropropane
 Concen: 20.776 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

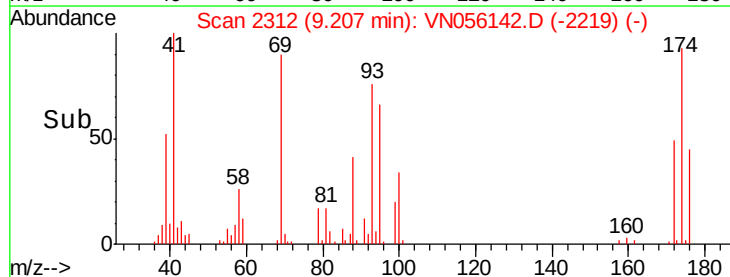
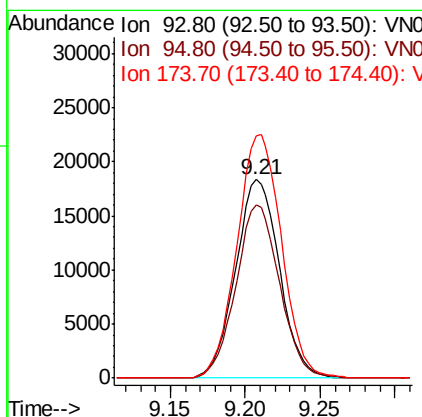
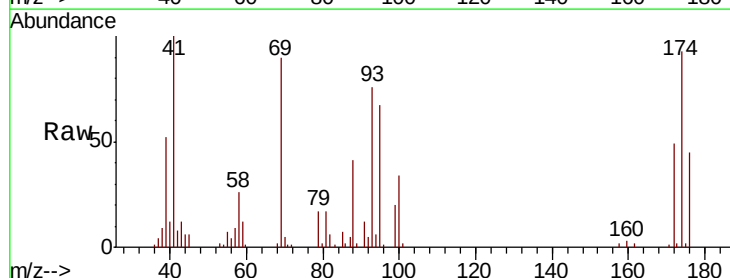
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

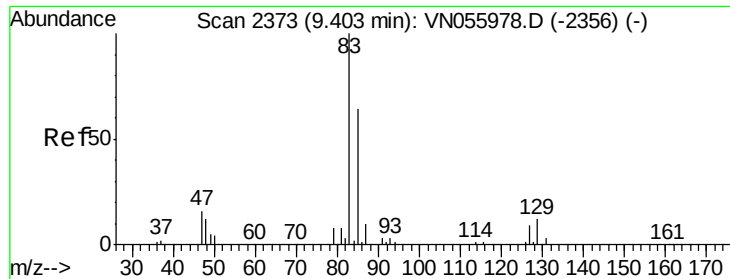
Tot Ion: 63 Resp: 58879
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 36.8



#46
 Dibromomethane
 Concen: 20.252 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion: 93 Resp: 37532
 Ion Ratio Lower Upper
 93 100
 95 86.9 66.7 100.1
 174 124.6 96.4 144.6





#47

Bromodichloromethane

Concen: 19.017 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

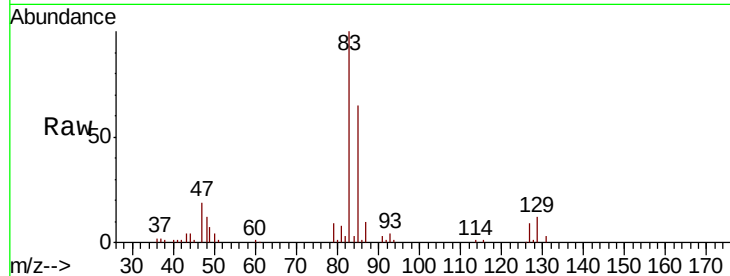
Tot Ion: 83 Resp: 63874

Ion Ratio Lower Upper

83 100

85 65.3 52.2 78.2

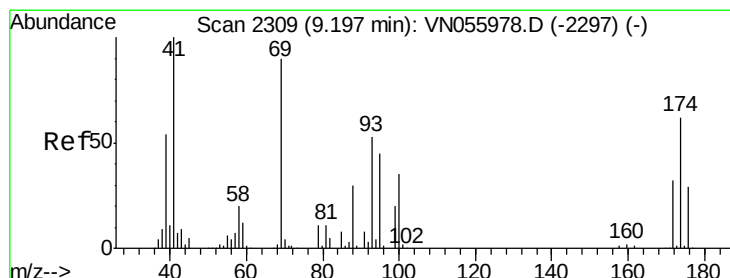
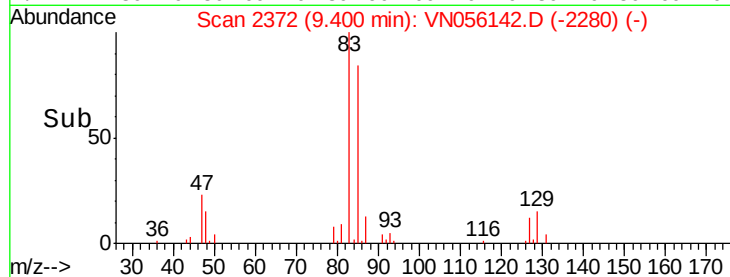
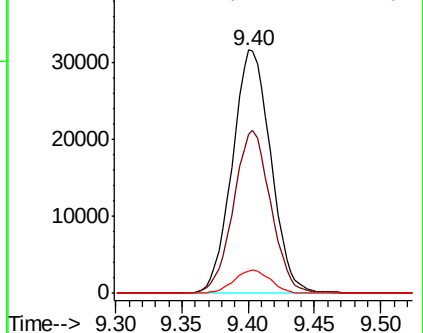
127 9.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.914 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

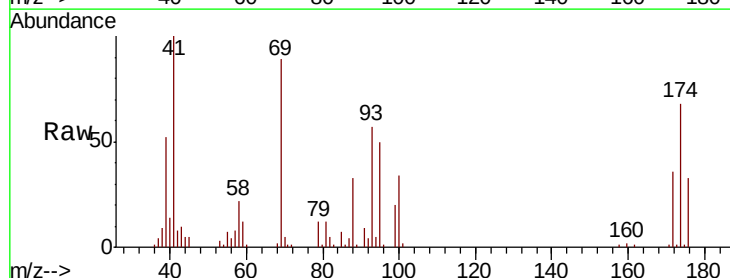
Tgt Ion: 41 Resp: 53742

Ion Ratio Lower Upper

41 100

69 90.7 71.0 106.6

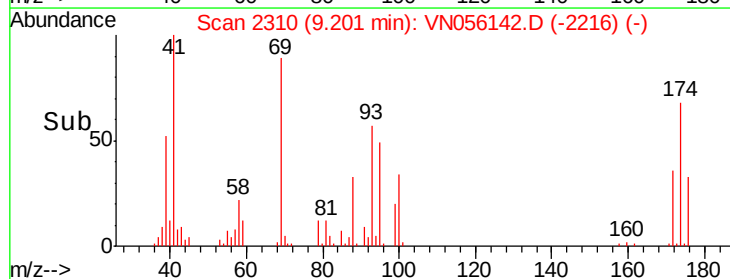
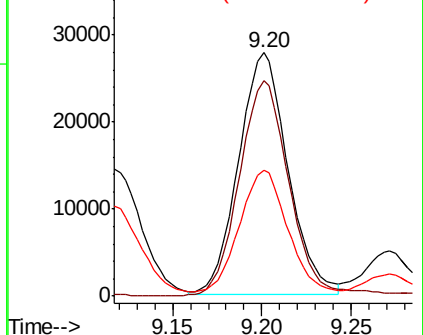
39 51.8 44.2 66.2

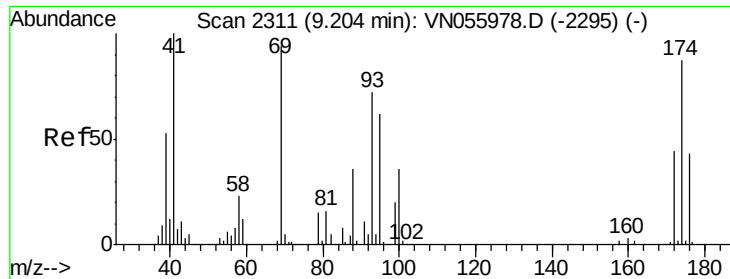


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 419.699 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

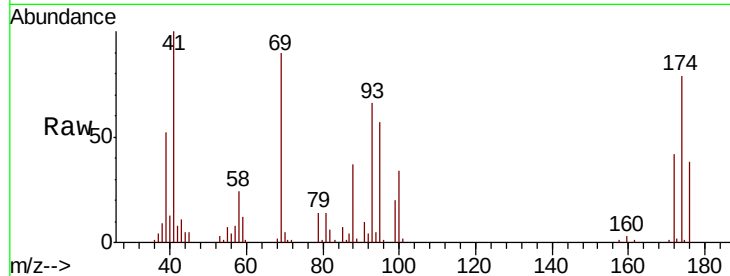
Tot Ion: 88 Resp: 23283

Ion Ratio Lower Upper

88 100

43 25.4 20.5 30.7

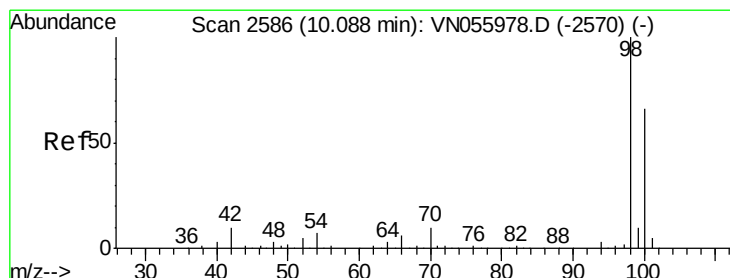
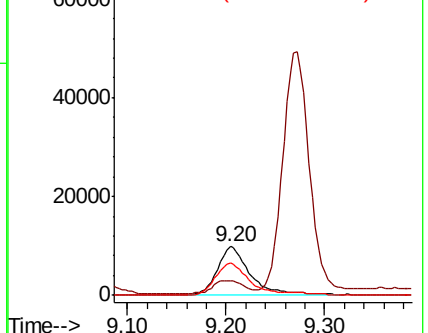
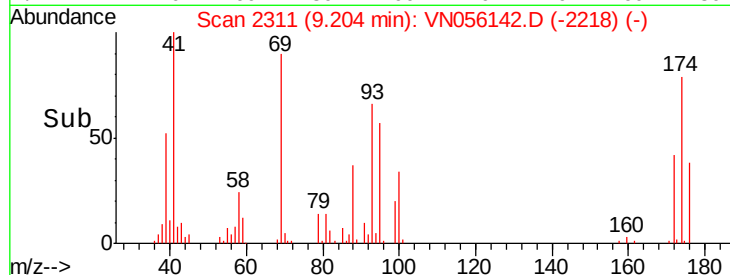
58 65.6 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.549 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056142.D

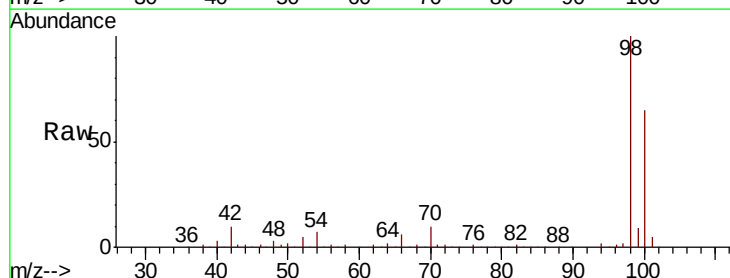
Acq: 8 Jun 2019 10:22

Tgt Ion: 98 Resp: 495595

Ion Ratio Lower Upper

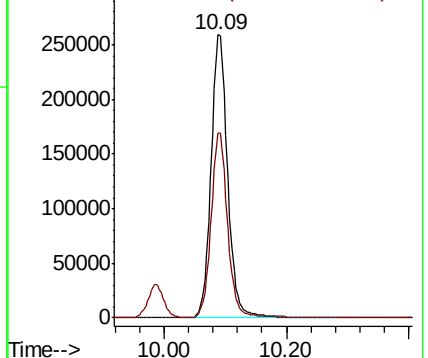
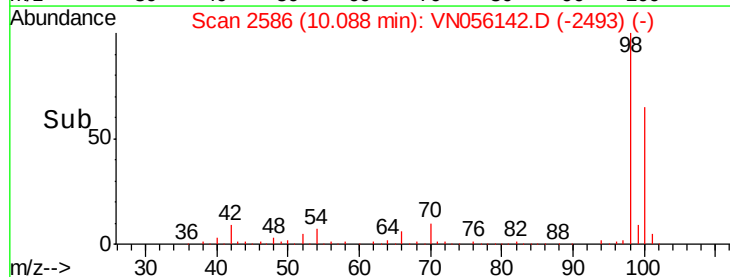
98 100

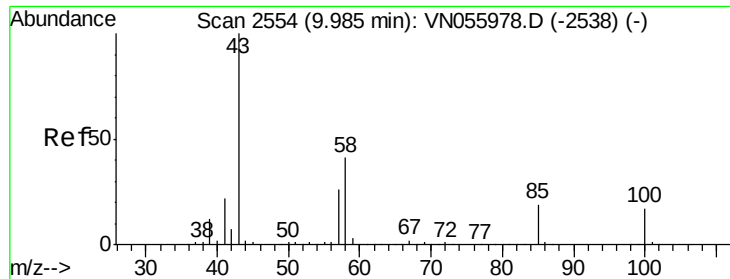
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 105.576 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

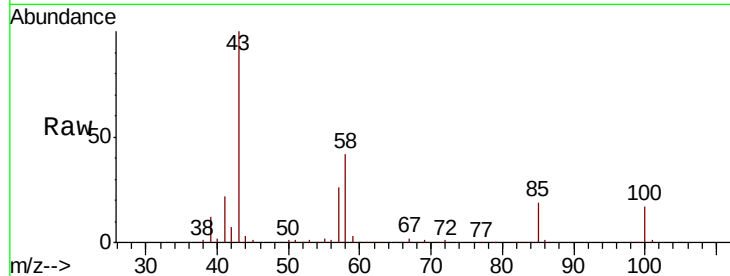
VN0608WBS04

Tot Ion: 43 Resp: 346777

Ion Ratio Lower Upper

43 100

58 41.2 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

200000

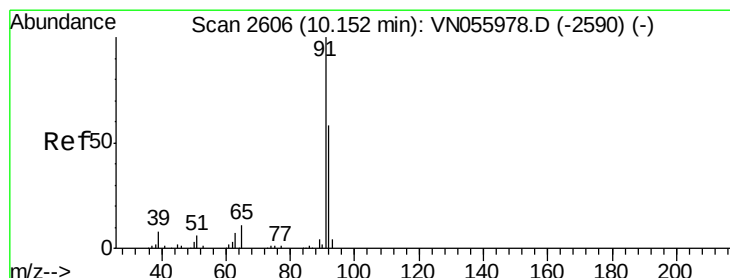
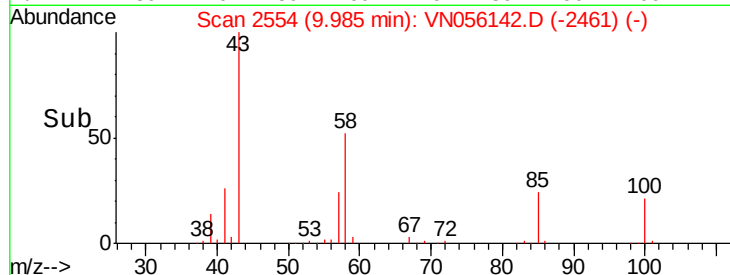
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.116 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056142.D

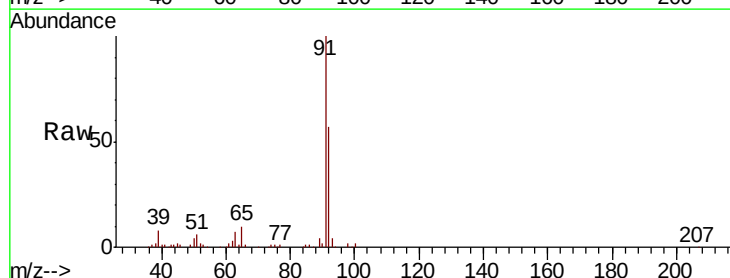
Acq: 8 Jun 2019 10:22

Tgt Ion: 92 Resp: 138497

Ion Ratio Lower Upper

92 100

91 173.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

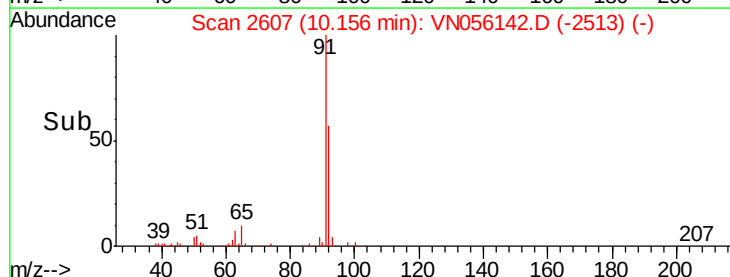
150000

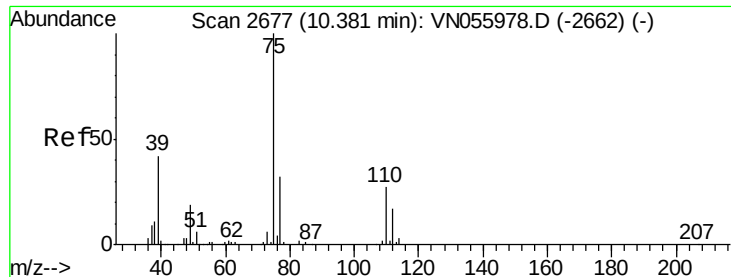
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 15.749 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

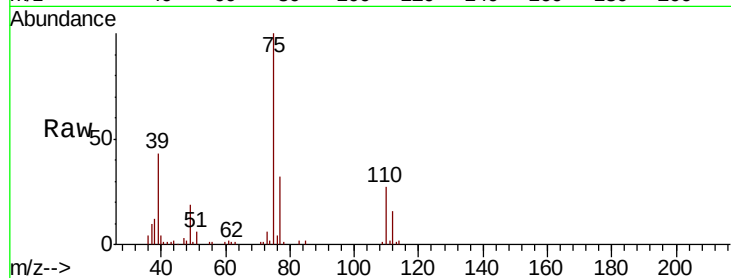
VN0608WBS04

Tot Ion: 75 Resp: 55224

Ion Ratio Lower Upper

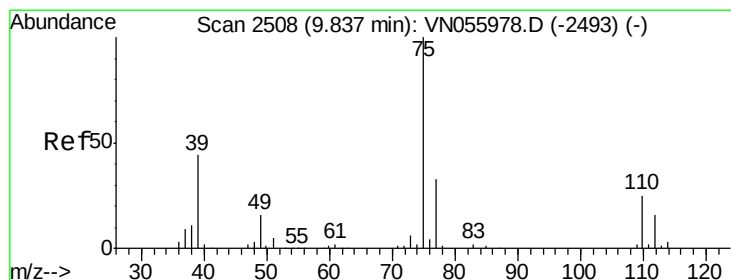
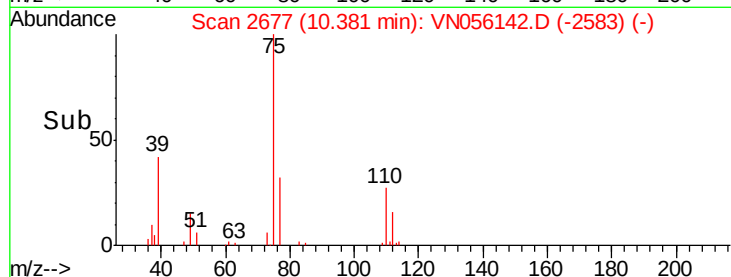
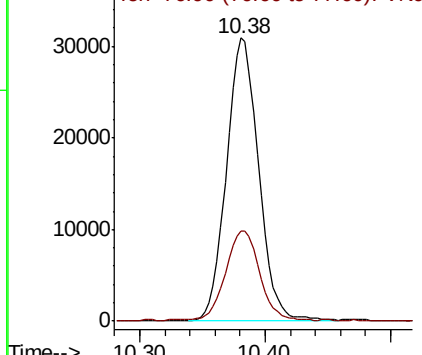
75 100

77 31.9 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.399 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

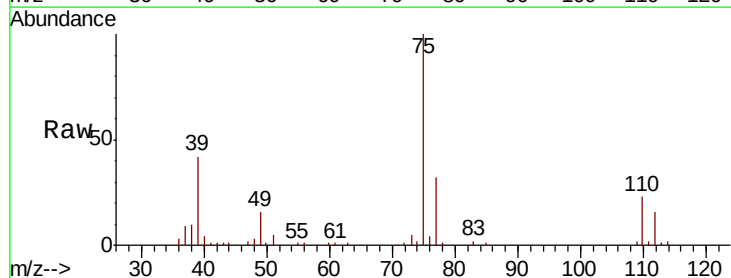
Tgt Ion: 75 Resp: 70245

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

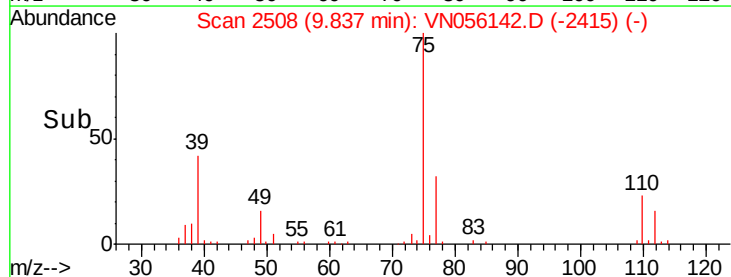
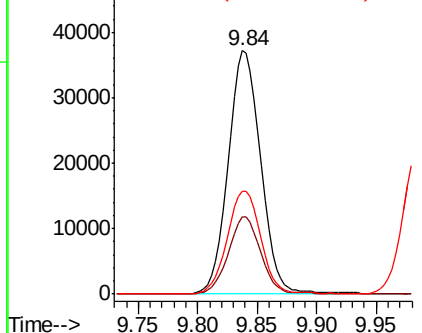
39 42.1 36.3 54.5

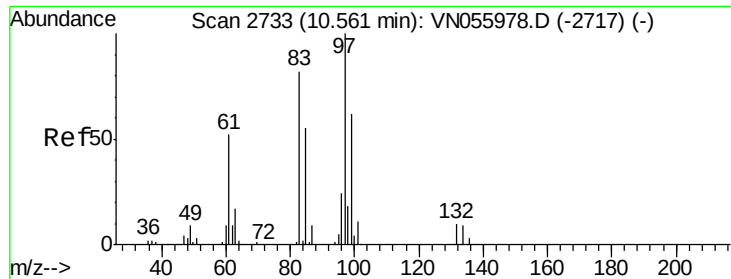


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

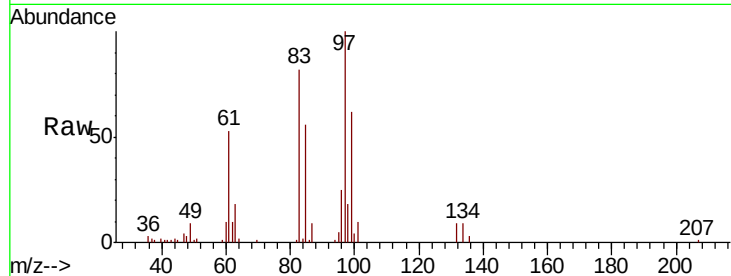




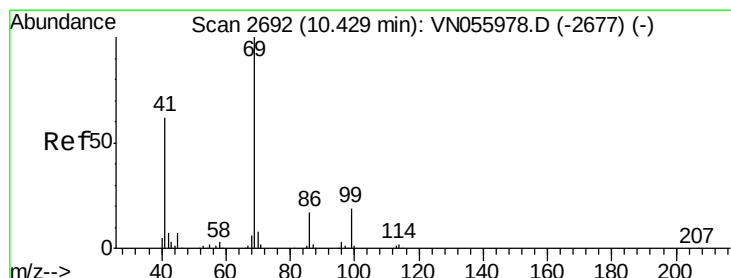
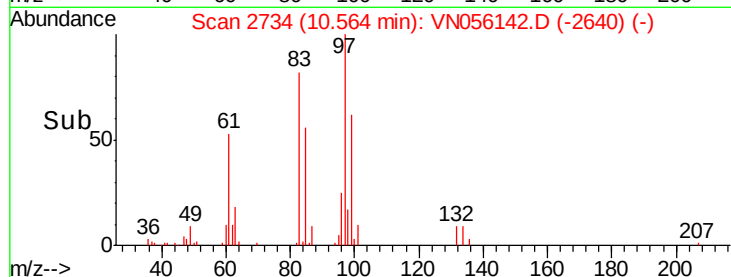
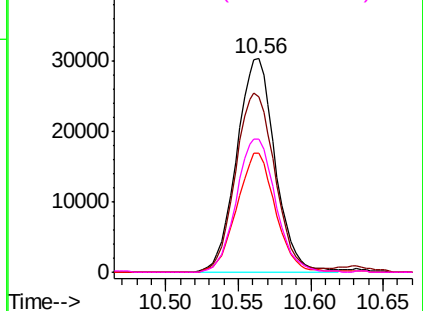
#55
 1,1,2-Trichloroethane
 Concen: 20.563 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Tot Ion: 97 Resp: 56080
 Ion Ratio Lower Upper
 97 100
 83 82.3 67.0 100.6
 85 56.0 44.0 66.0
 99 62.2 50.6 75.8

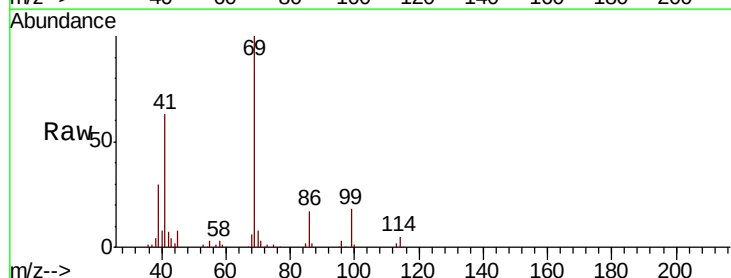


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

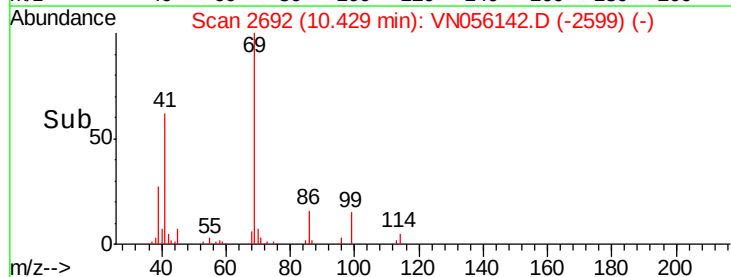
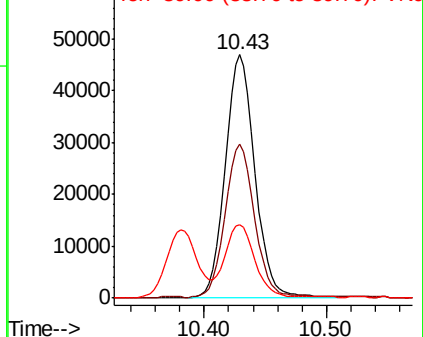


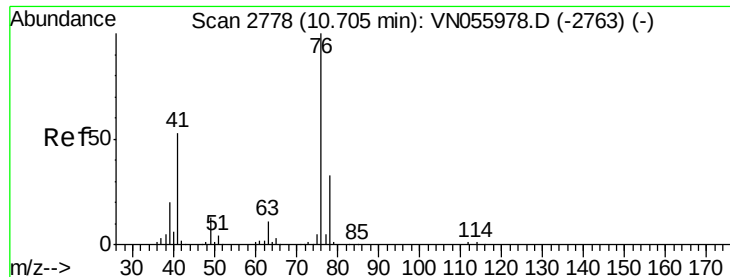
#56
 Ethyl methacrylate
 Concen: 20.197 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion: 69 Resp: 80358
 Ion Ratio Lower Upper
 69 100
 41 61.8 49.7 74.5
 39 29.2 24.7 37.1



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





#57

1,3-Dichloropropane

Concen: 20.680 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

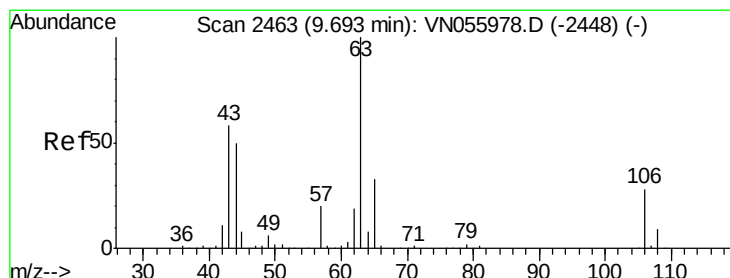
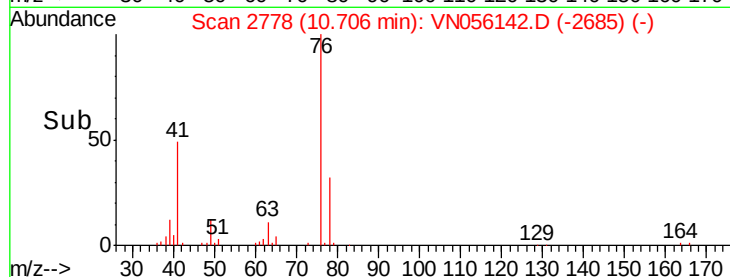
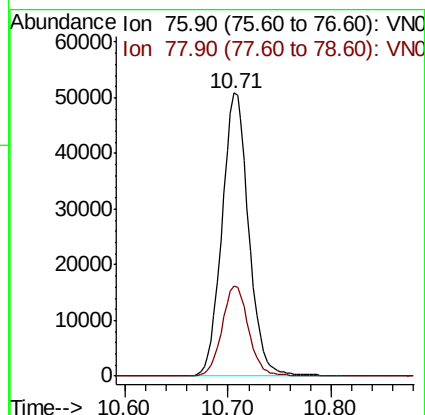
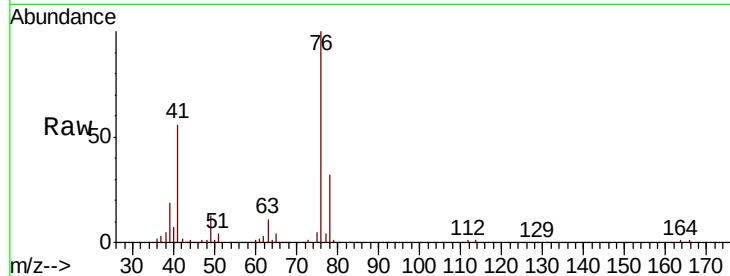
VN0608WBS04

Tot Ion: 76 Resp: 91682

Ion Ratio Lower Upper

76 100

78 31.7 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 97.680 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056142.D

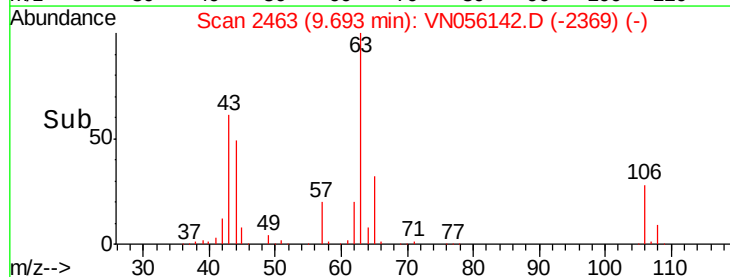
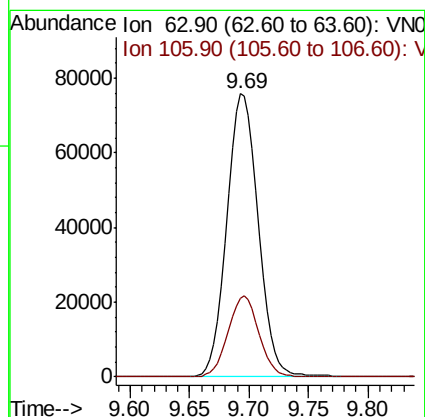
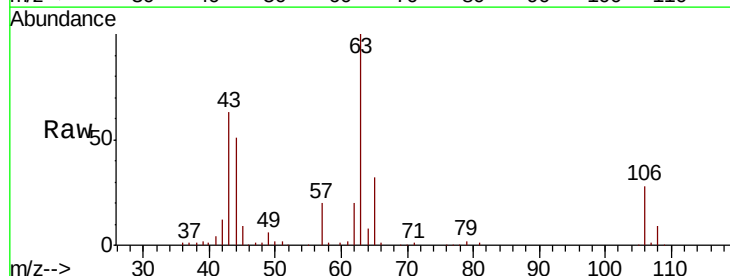
Acq: 8 Jun 2019 10:22

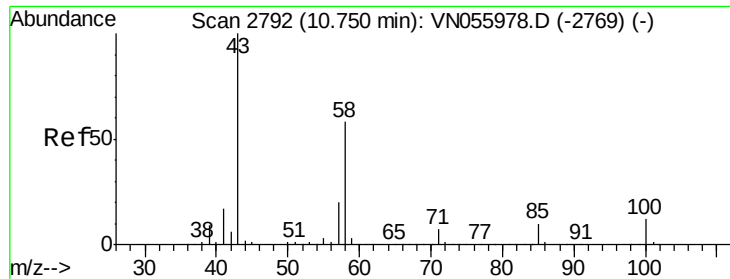
Tgt Ion: 63 Resp: 138890

Ion Ratio Lower Upper

63 100

106 28.0 22.7 34.1





#59

2-Hexanone

Concen: 104.261 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

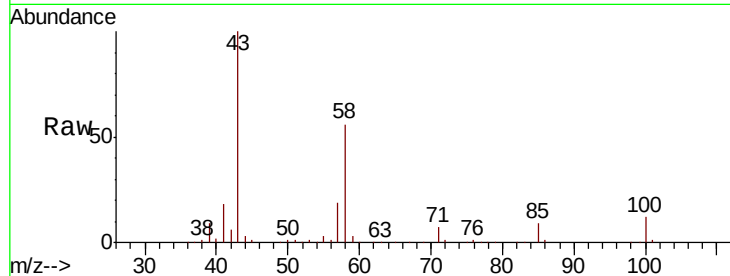
VN0608WBS04

Tot Ion: 43 Resp: 248206

Ion Ratio Lower Upper

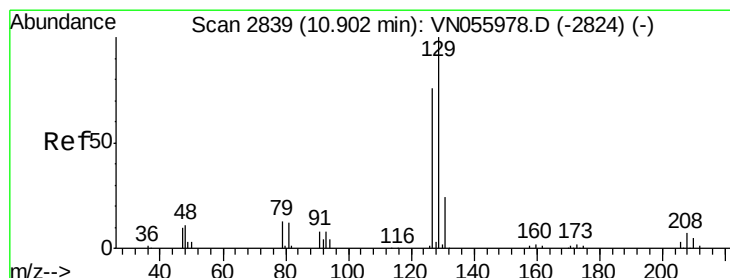
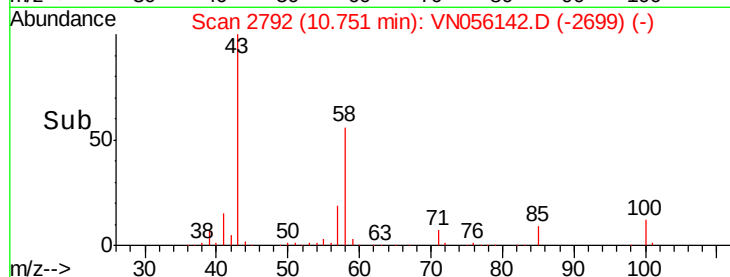
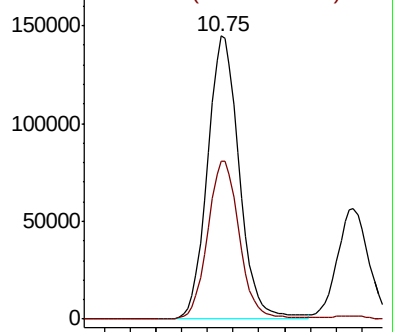
43 100

58 55.9 28.2 84.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#60

Dibromochloromethane

Concen: 17.894 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056142.D

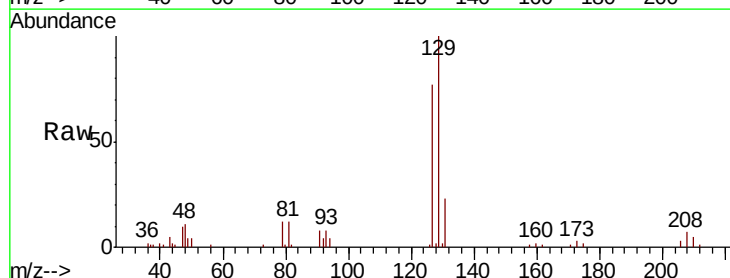
Acq: 8 Jun 2019 10:22

Tgt Ion:129 Resp: 48843

Ion Ratio Lower Upper

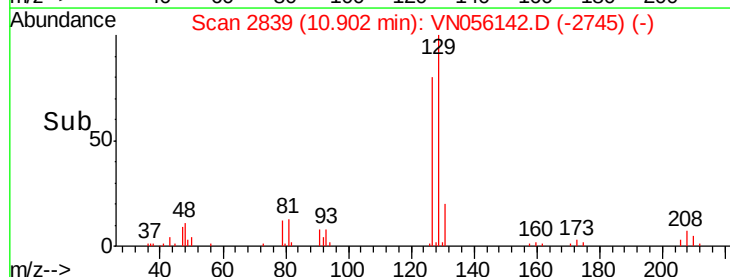
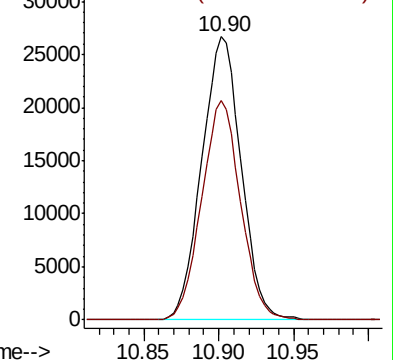
129 100

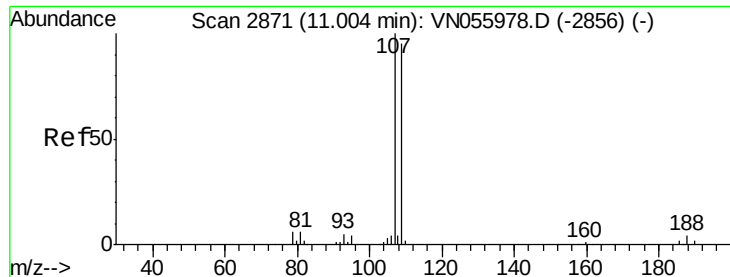
127 76.4 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

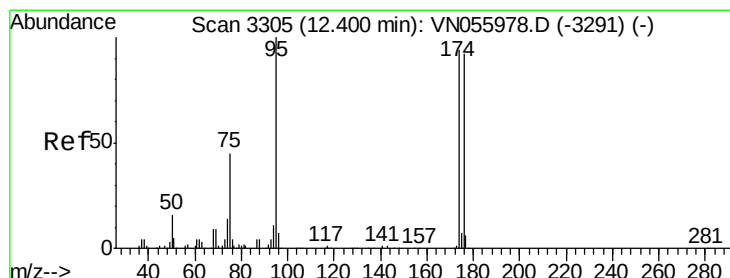
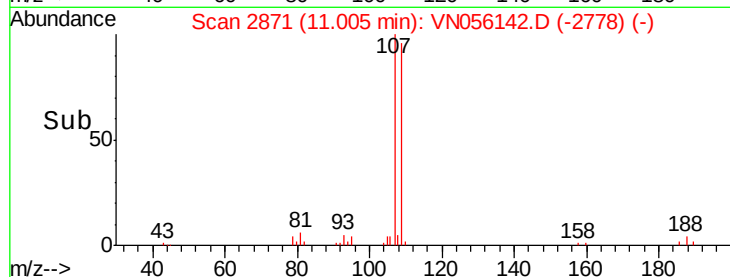
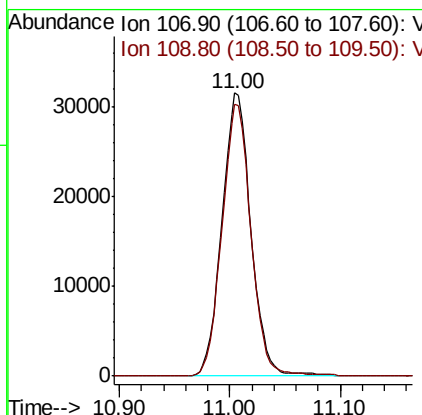
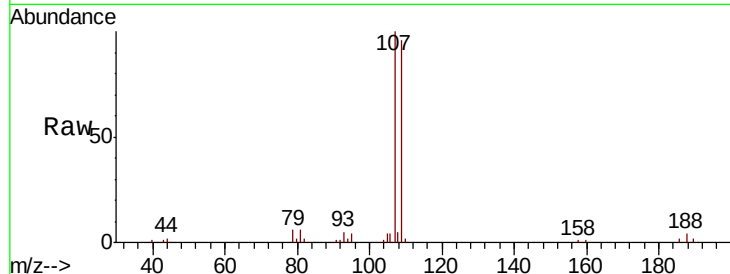




#61
 1,2-Dibromoethane
 Concen: 20.577 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

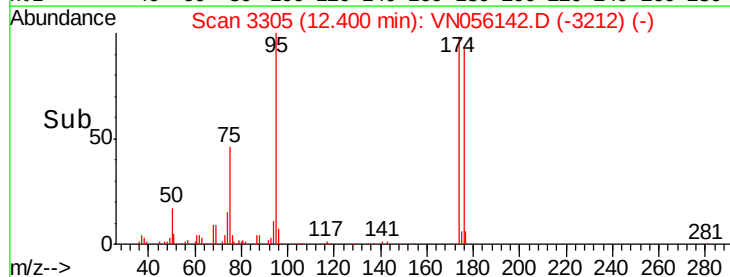
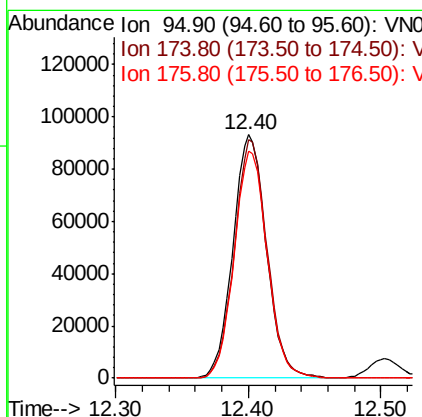
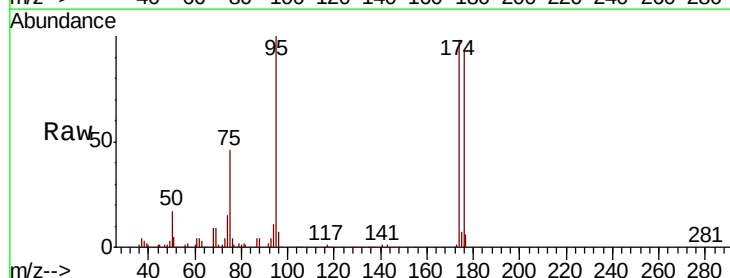
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

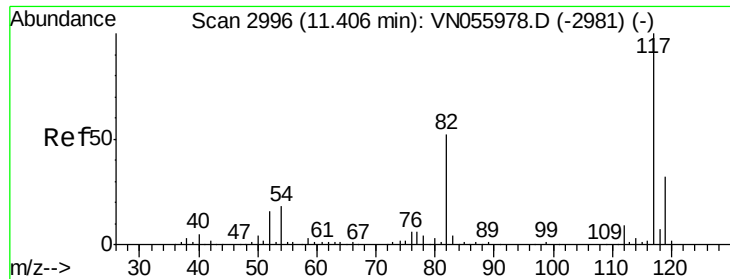
Tot Ion:107 Resp: 57369
 Ion Ratio Lower Upper
 107 100
 109 96.1 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 47.788 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion: 95 Resp: 162550
 Ion Ratio Lower Upper
 95 100
 174 96.4 0.0 191.0
 176 92.3 0.0 185.2

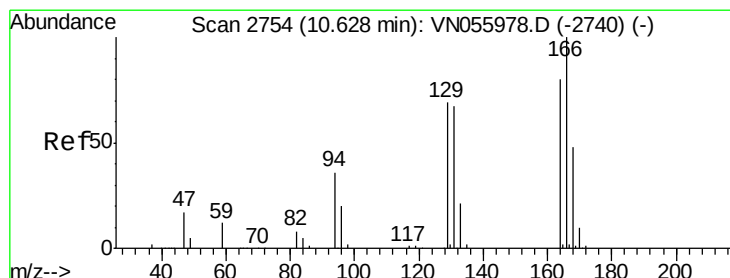
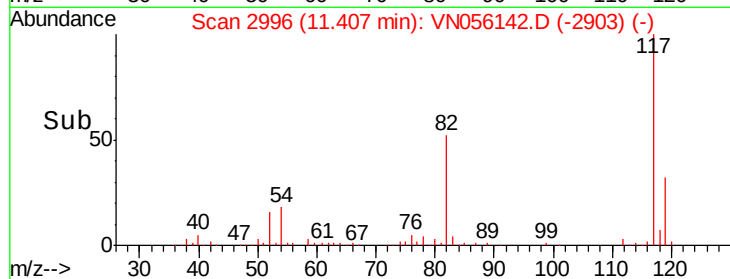
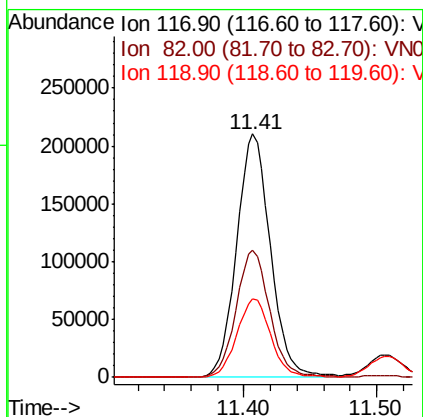
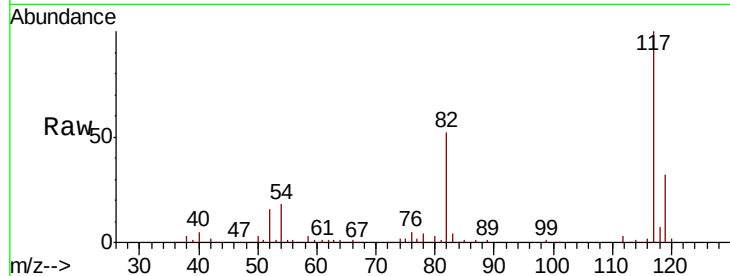




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

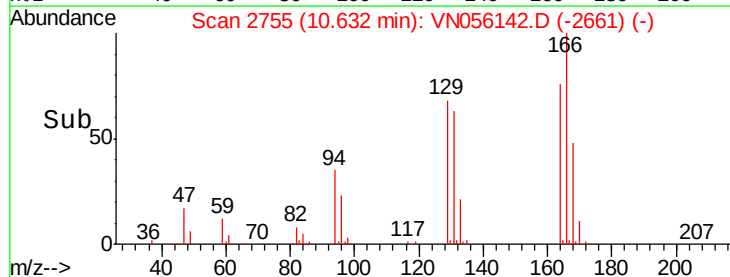
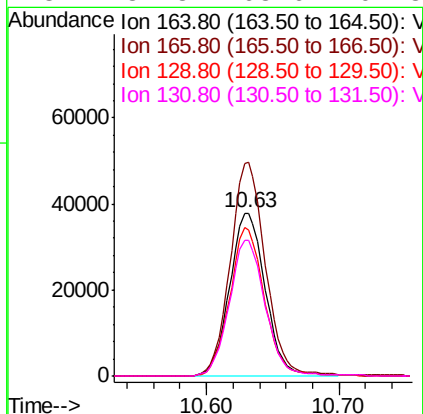
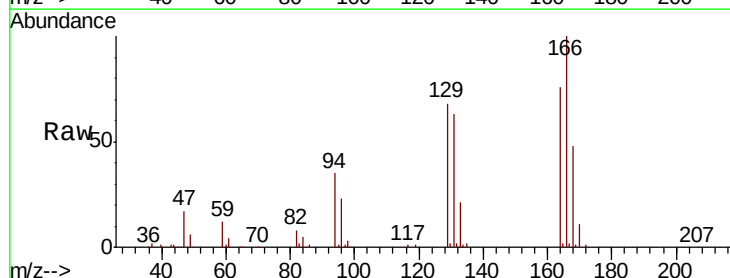
Instrument :
MSVOA_N
ClientSampled :
VN0608WBS04

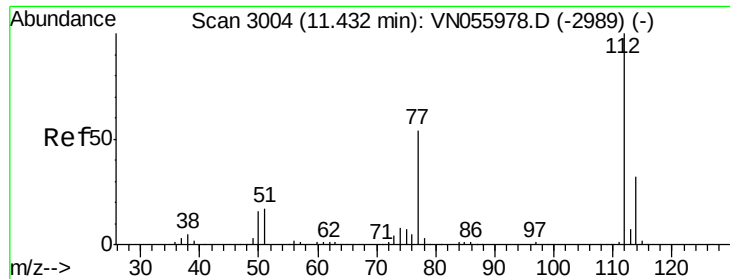
Tot Ion:117 Resp: 372420
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.2 25.4 38.0



#64
Tetrachloroethene
Concen: 21.941 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion:164 Resp: 70730
Ion Ratio Lower Upper
164 100
166 130.9 103.0 154.6
129 89.7 70.6 105.8
131 82.8 68.6 102.8

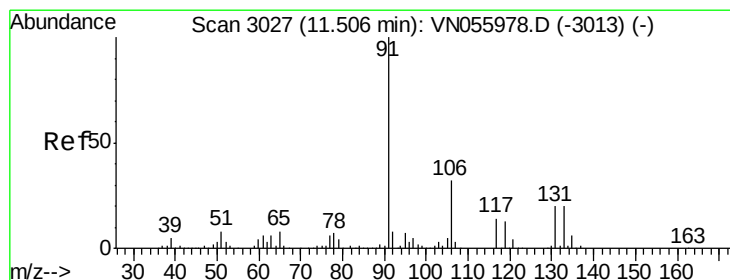
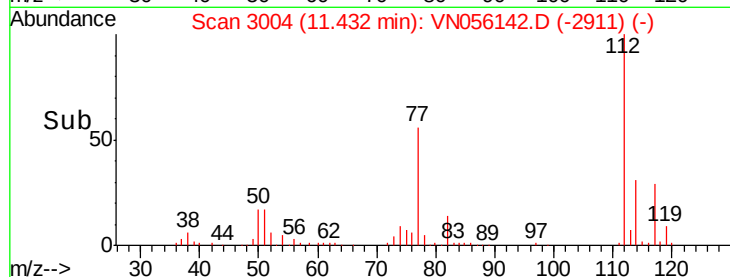
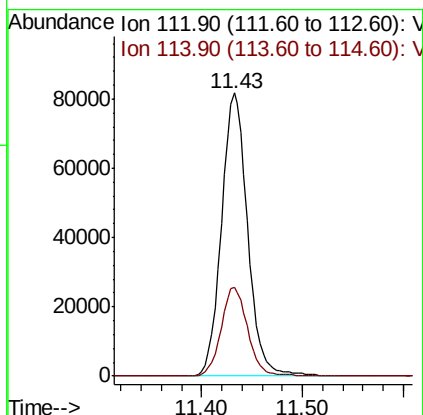
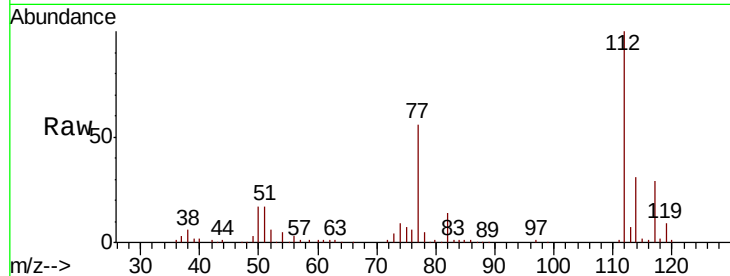




#65
Chlorobenzene
Concen: 19.965 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

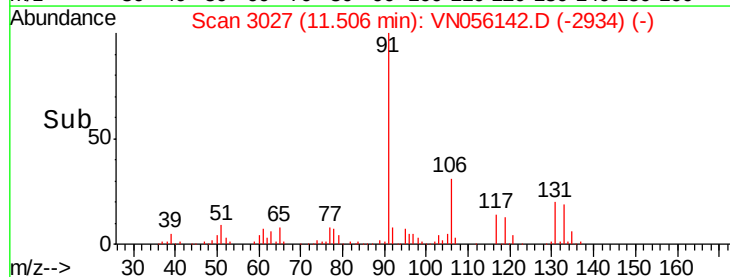
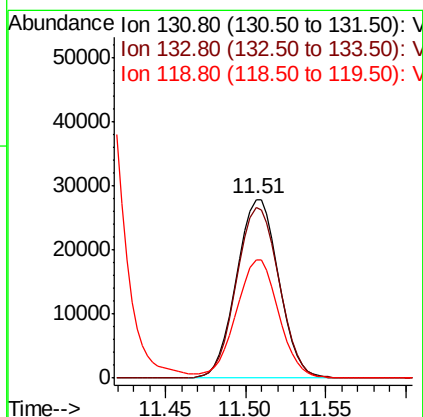
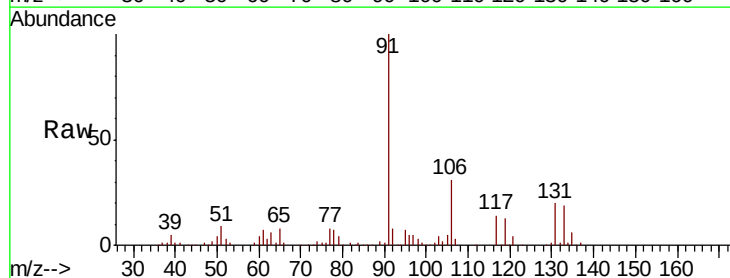
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

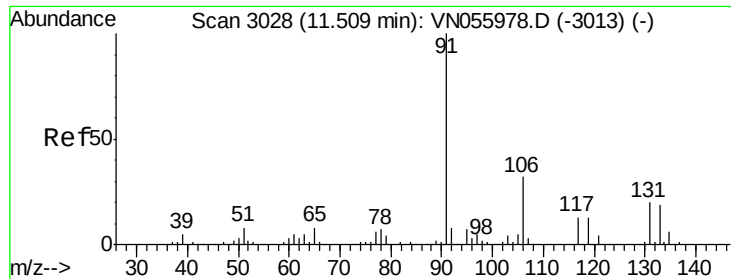
Tot Ion:112 Resp: 147977
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.674 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion:131 Resp: 50350
Ion Ratio Lower Upper
131 100
133 96.7 48.0 144.0
119 67.1 33.1 99.5

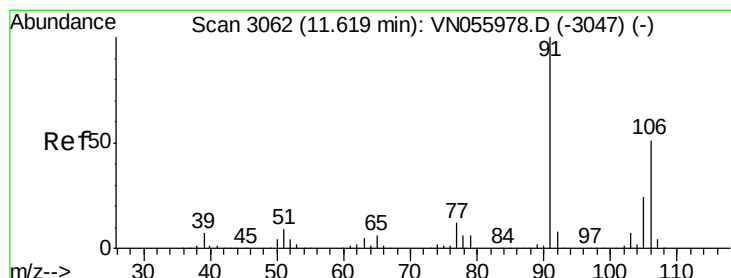
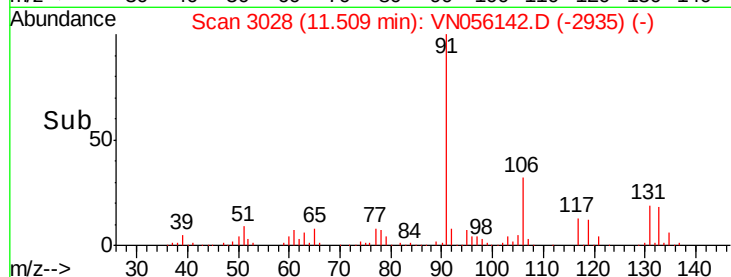
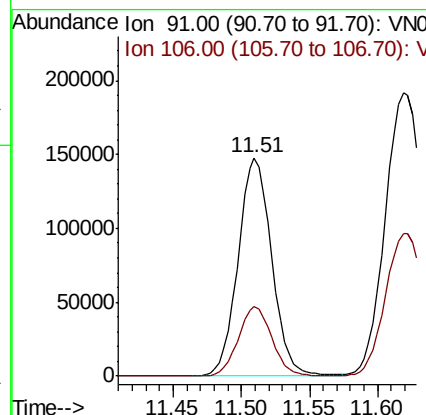
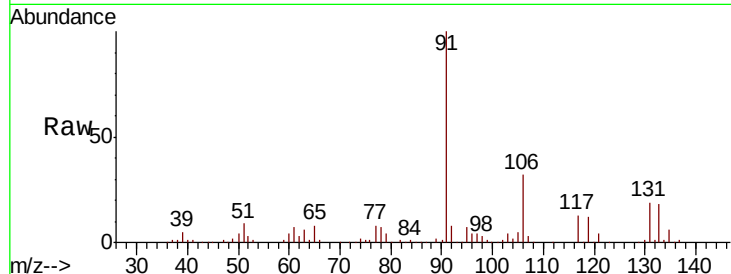




#67
Ethyl Benzene
Concen: 19.644 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

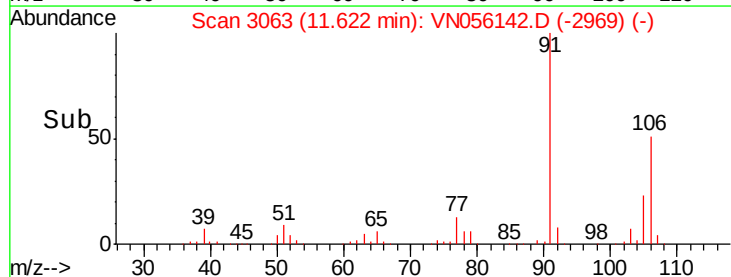
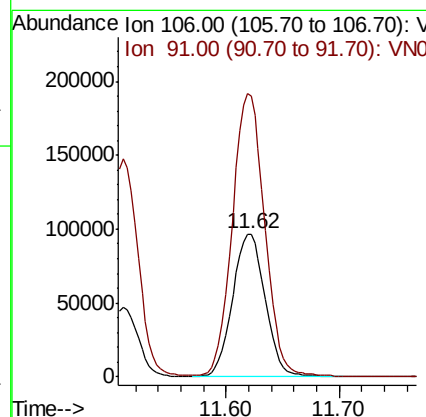
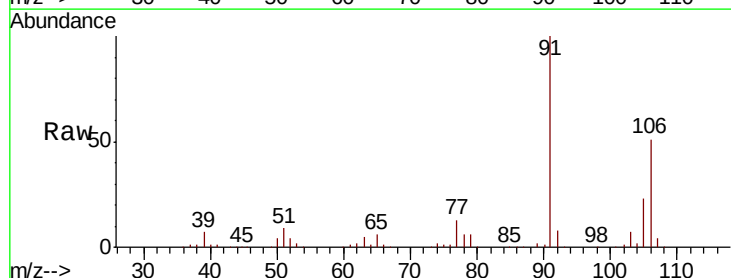
Instrument :
MSVOA_N
ClientSampled :
VN0608WBS04

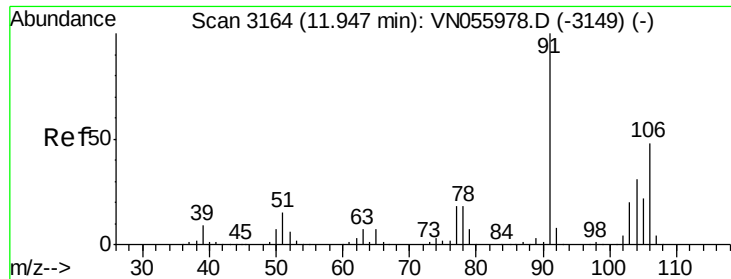
Tot Ion: 91 Resp: 253178
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7



#68
m/p-Xylenes
Concen: 39.519 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 106 Resp: 194570
Ion Ratio Lower Upper
106 100
91 197.0 159.3 238.9

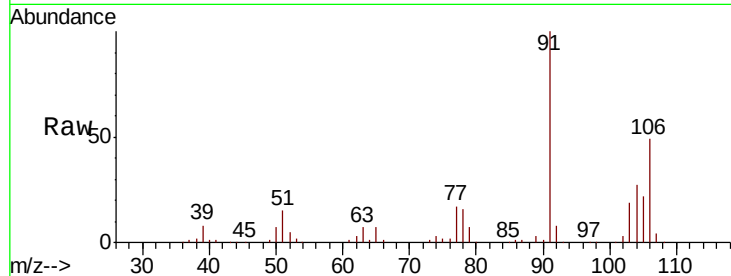




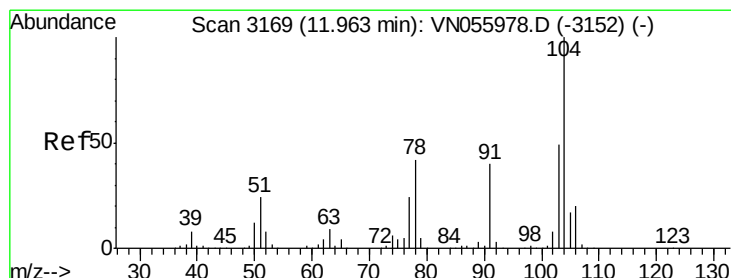
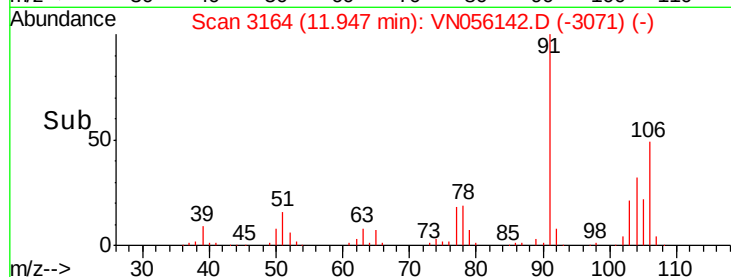
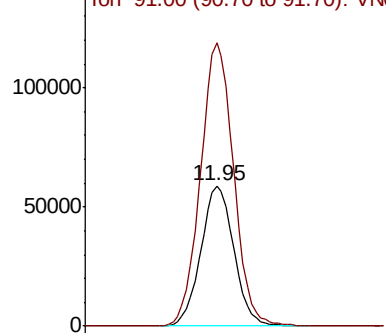
#69
o-Xylene
Concen: 20.400 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS04

Tot Ion:106 Resp: 98798
Ion Ratio Lower Upper
106 100
91 202.6 104.7 314.1

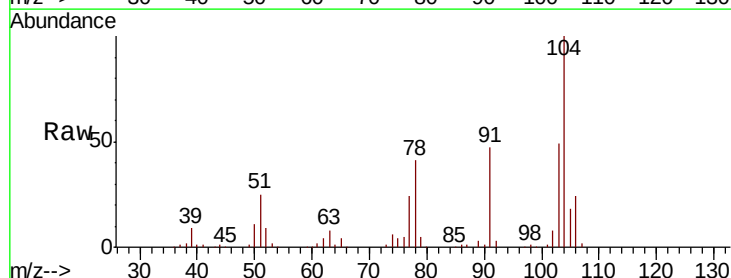


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

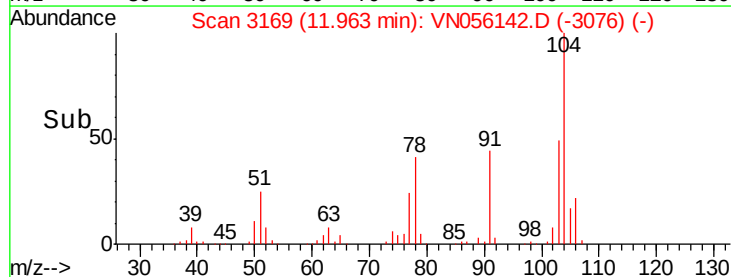
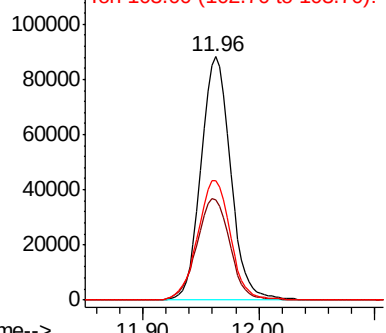


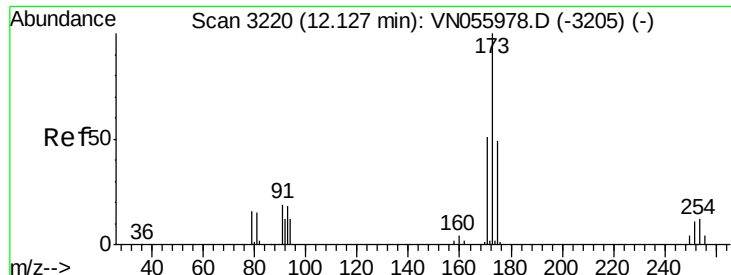
#70
Styrene
Concen: 20.239 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion:104 Resp: 155737
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 54.6 44.2 66.2



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





#71

Bromoform

Concen: 17.228 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

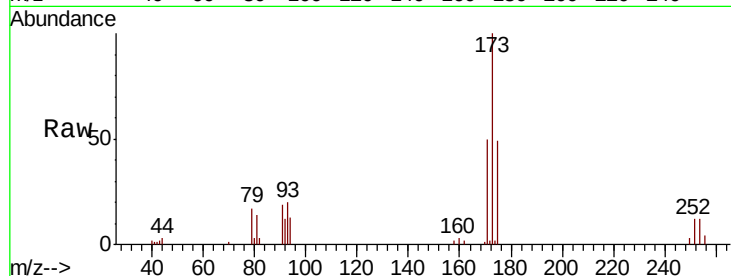
Tot Ion:173 Resp: 32930

Ion Ratio Lower Upper

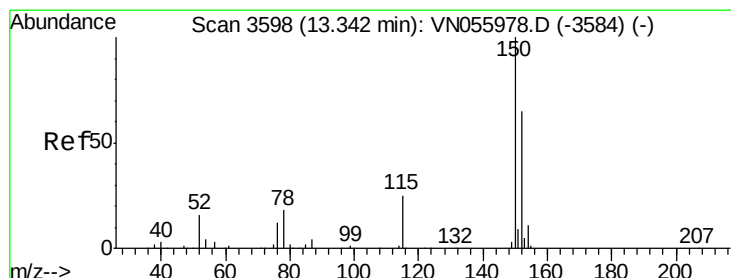
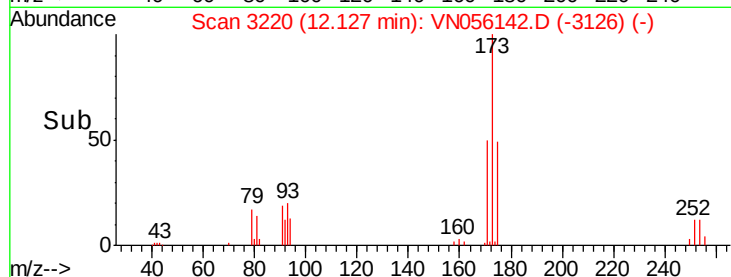
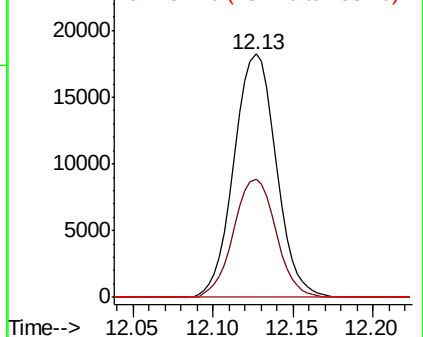
173 100

175 48.8 24.3 72.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

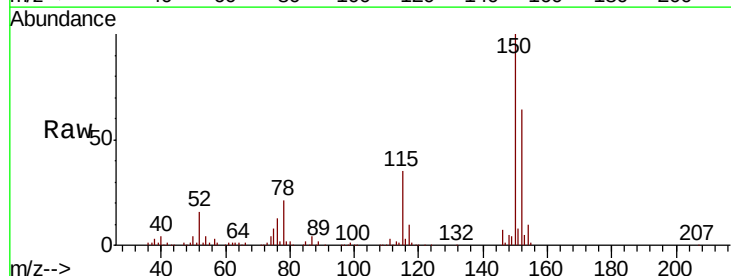
Tgt Ion:152 Resp: 150583

Ion Ratio Lower Upper

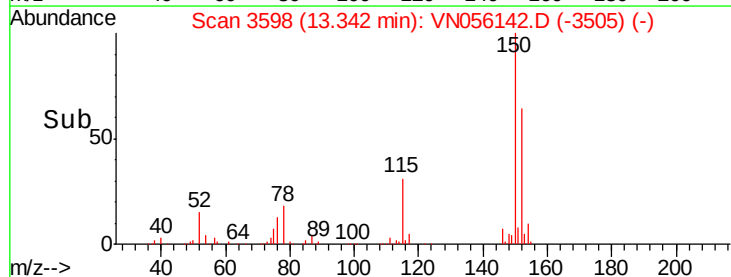
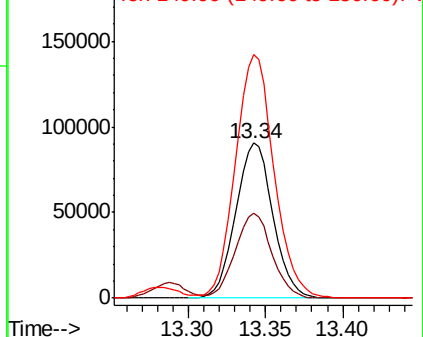
152 100

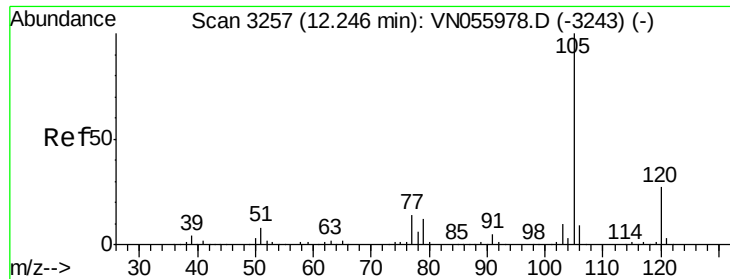
115 54.2 27.0 81.0

150 163.5 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.174 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

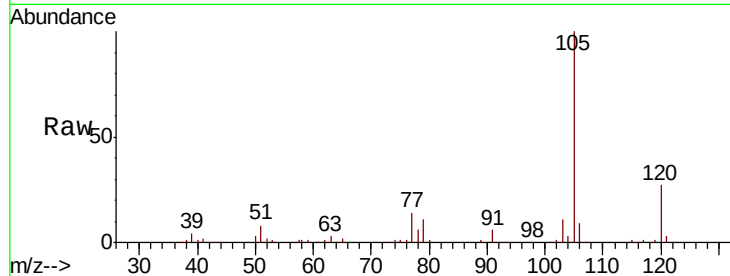
VN0608WBS04

Tot Ion:105 Resp: 252458

Ion Ratio Lower Upper

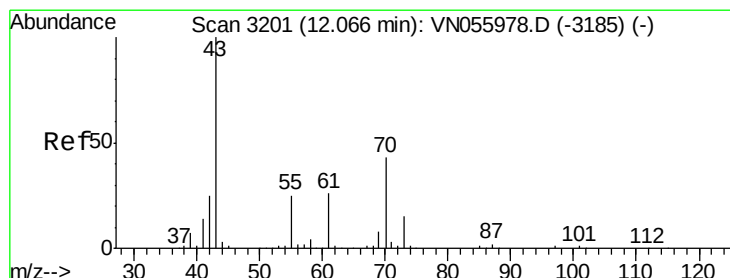
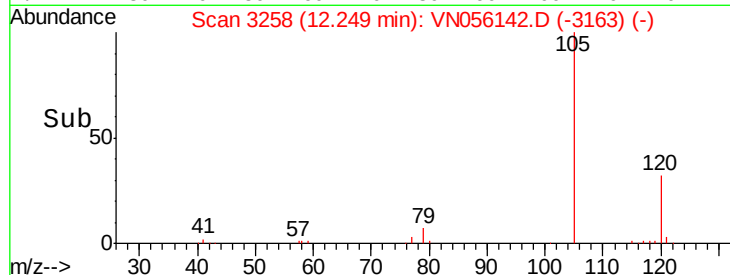
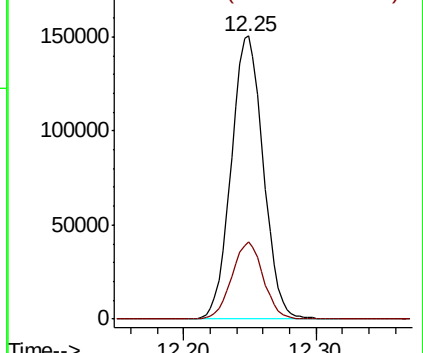
105 100

120 26.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.246 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Tgt Ion: 43 Resp: 85280

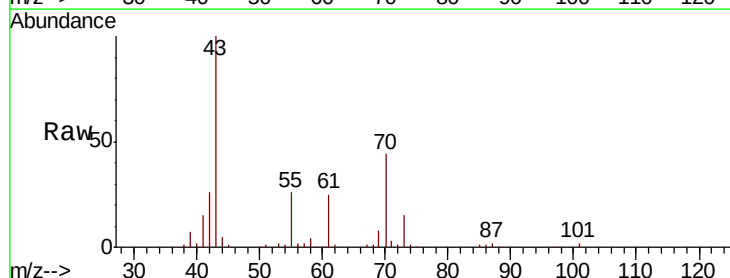
Ion Ratio Lower Upper

43 100

70 43.1 34.0 51.0

55 25.5 18.6 28.0

61 24.8 20.0 30.0

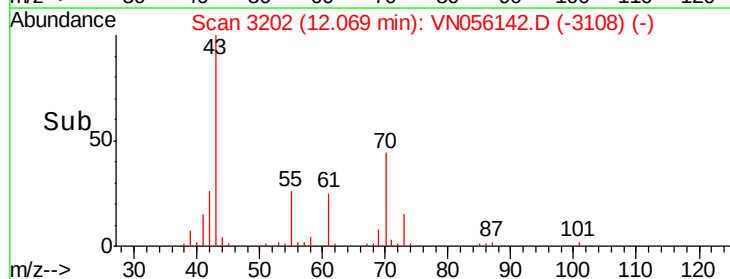
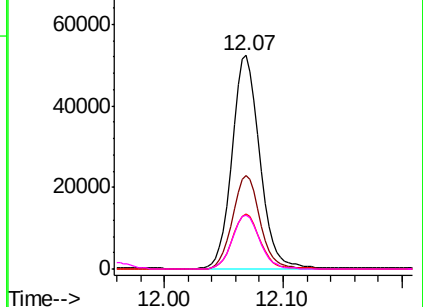


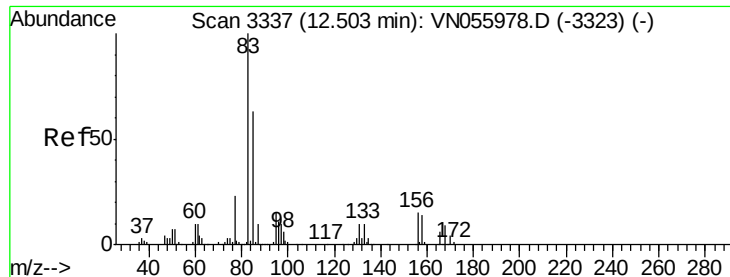
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.980 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

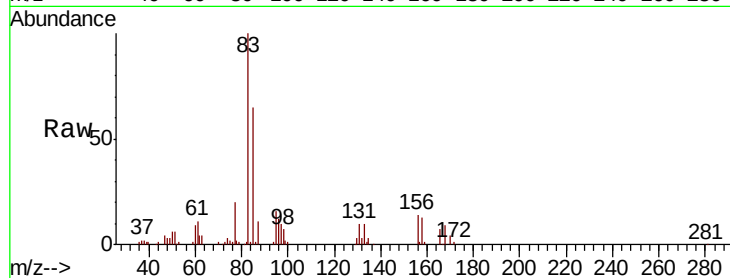
Tot Ion: 83 Resp: 76836

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

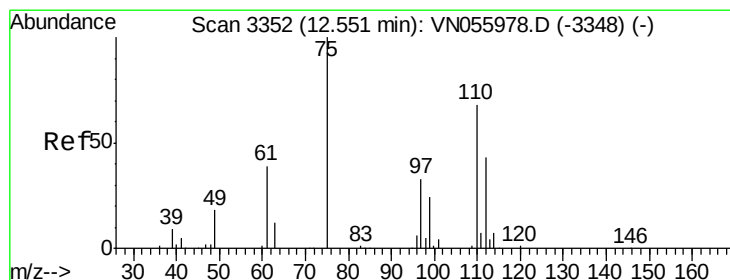
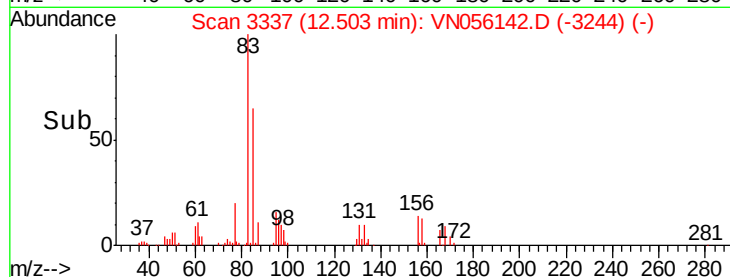
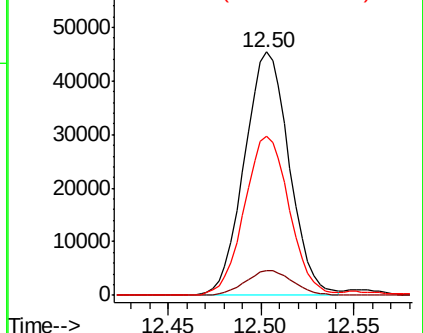
85 65.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.169 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056142.D

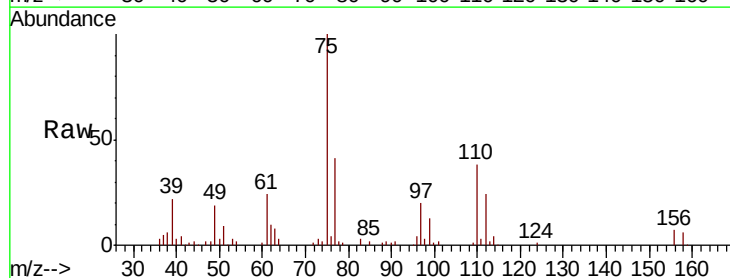
Acq: 8 Jun 2019 10:22

Tgt Ion: 75 Resp: 83592

Ion Ratio Lower Upper

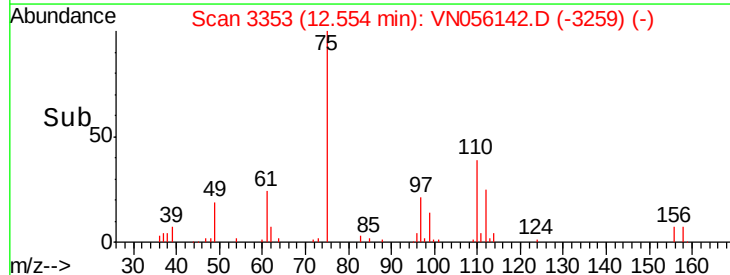
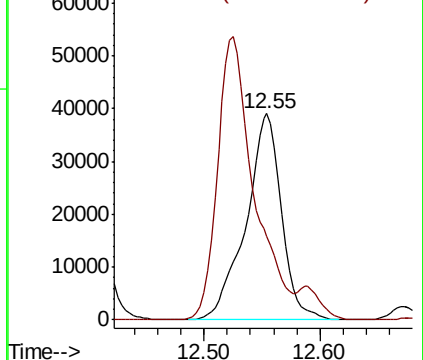
75 100

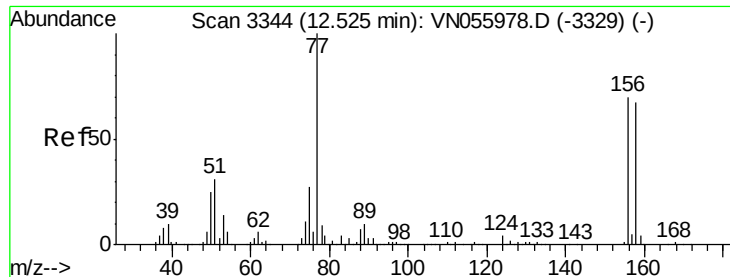
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.765 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS04

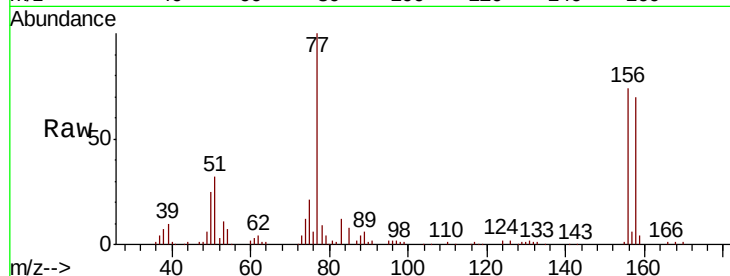
Tot Ion:156 Resp: 70168

Ion Ratio Lower Upper

156 100

77 166.7 90.8 272.5

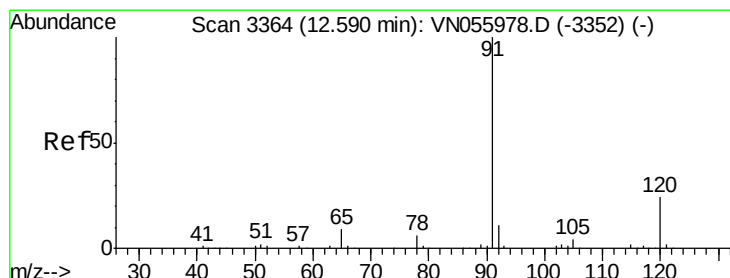
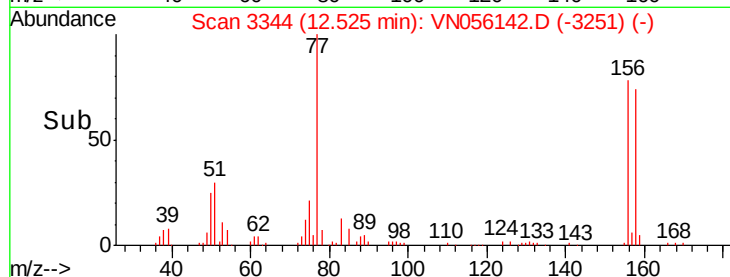
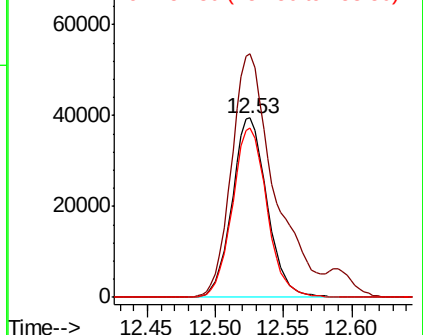
158 93.6 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.075 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056142.D

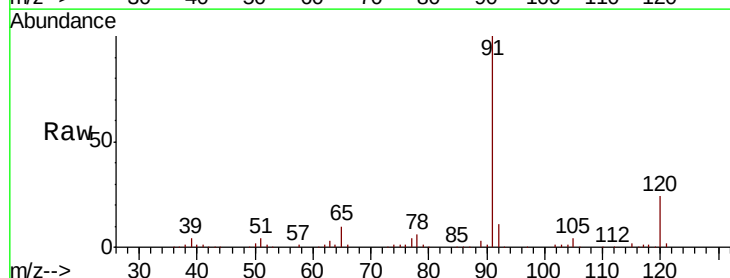
Acq: 8 Jun 2019 10:22

Tgt Ion: 91 Resp: 255743

Ion Ratio Lower Upper

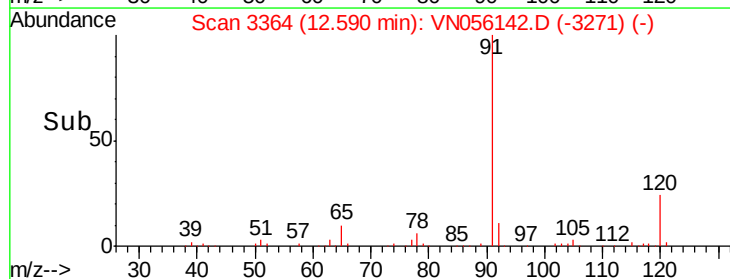
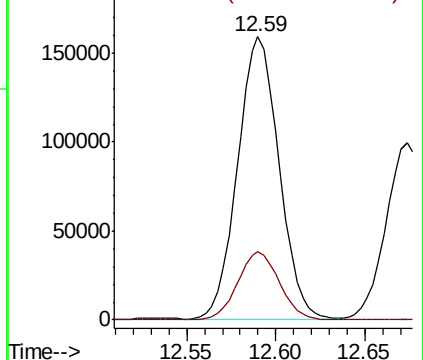
91 100

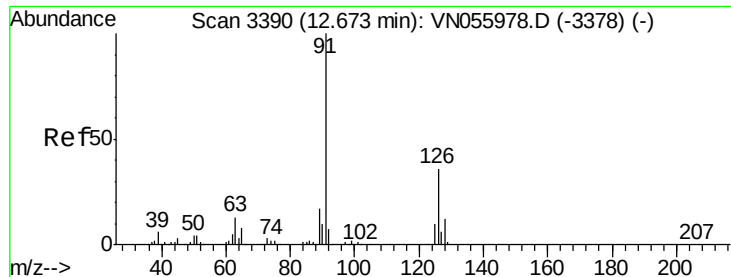
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.906 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

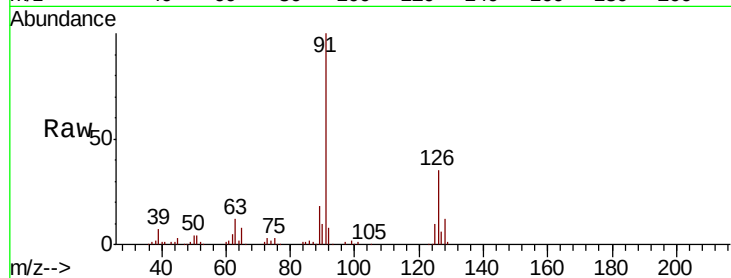
VN0608WBS04

Tot Ion: 91 Resp: 164008

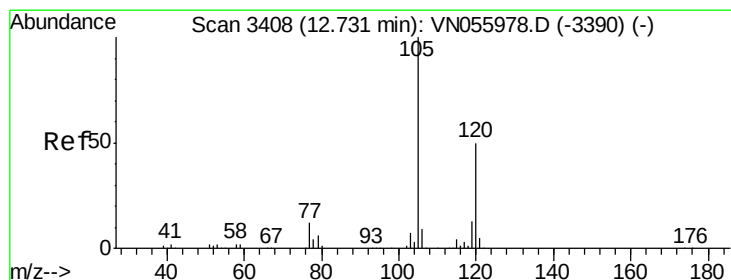
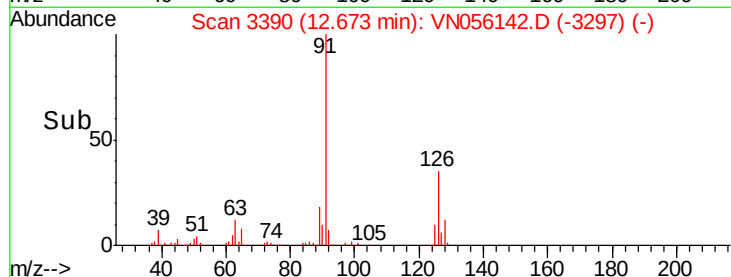
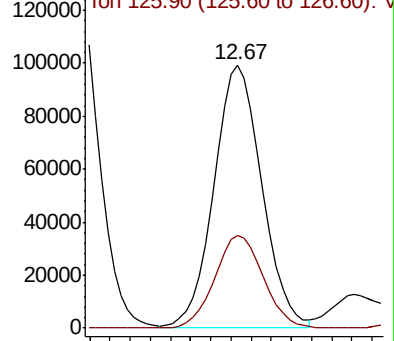
Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.091 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056142.D

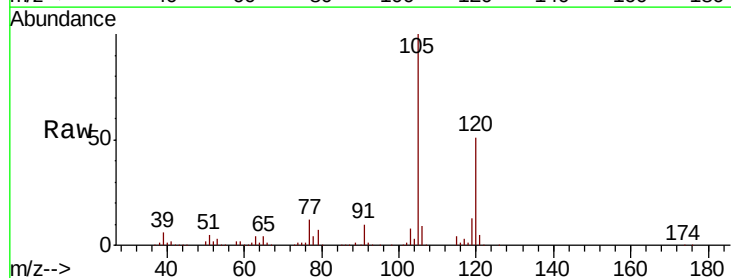
Acq: 8 Jun 2019 10:22

Tgt Ion: 105 Resp: 203410

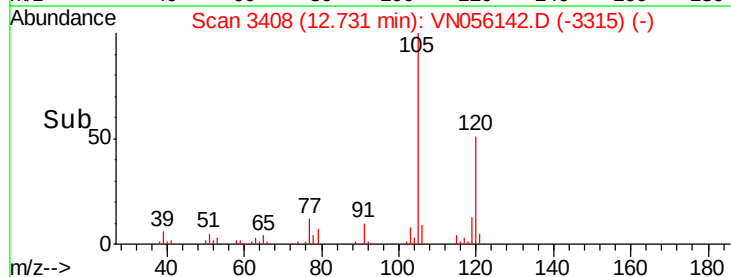
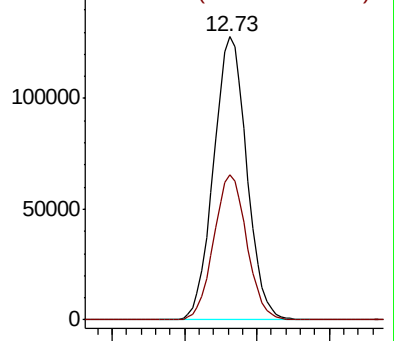
Ion Ratio Lower Upper

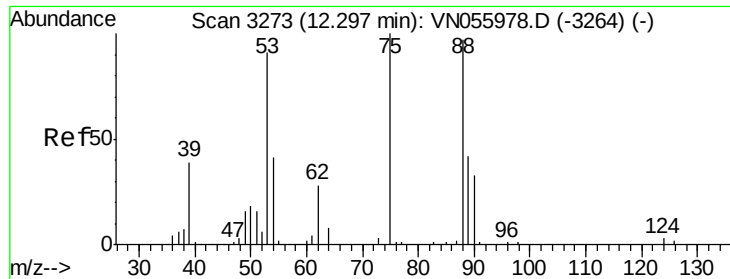
105 100

120 51.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 14.028 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

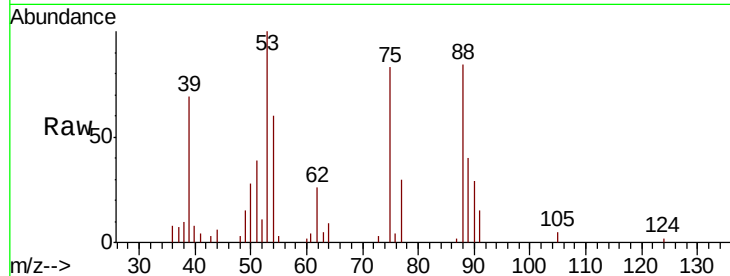
Tot Ion: 75 Resp: 11672

Ion Ratio Lower Upper

75 100

53 119.1 68.1 102.1#

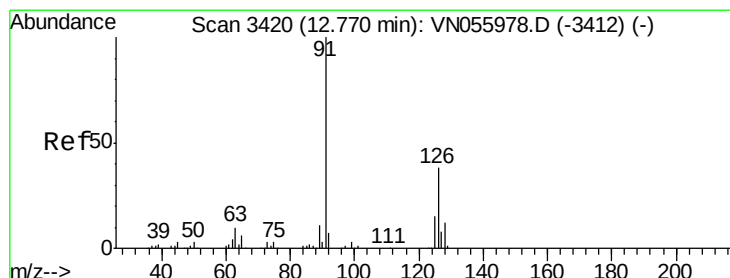
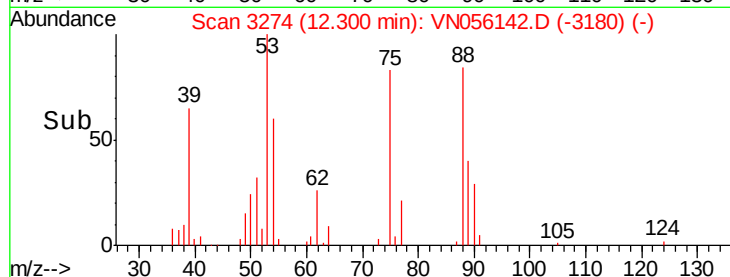
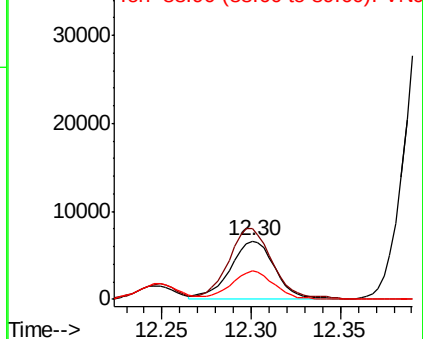
89 45.5 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.262 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056142.D

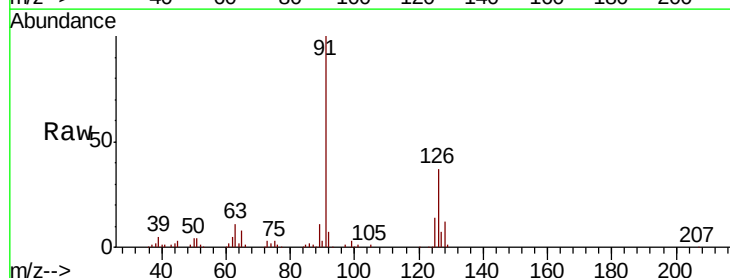
Acq: 8 Jun 2019 10:22

Tgt Ion: 91 Resp: 151011

Ion Ratio Lower Upper

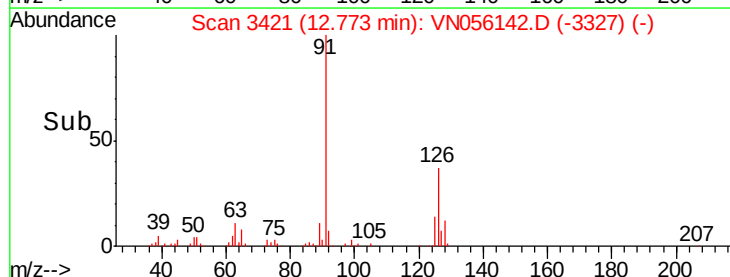
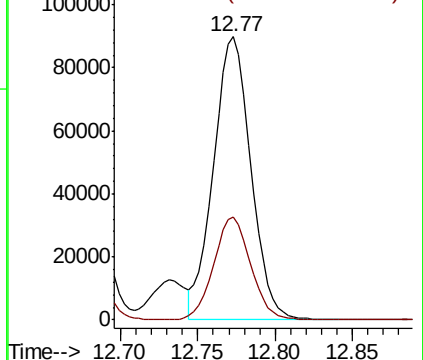
91 100

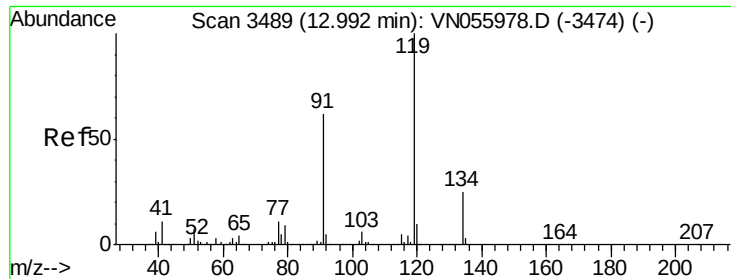
126 36.1 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

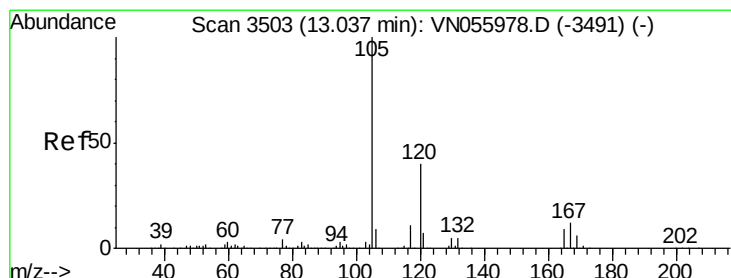
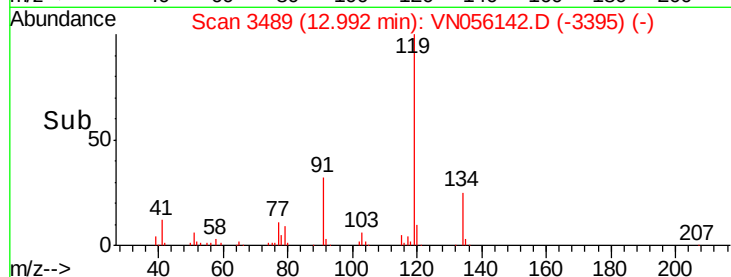
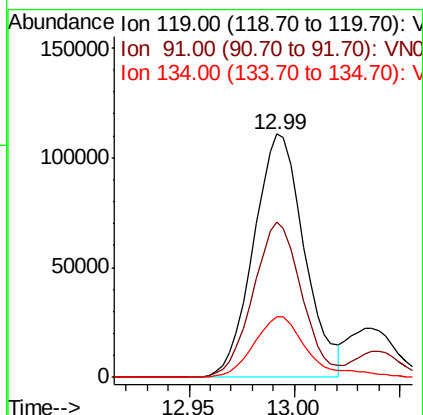
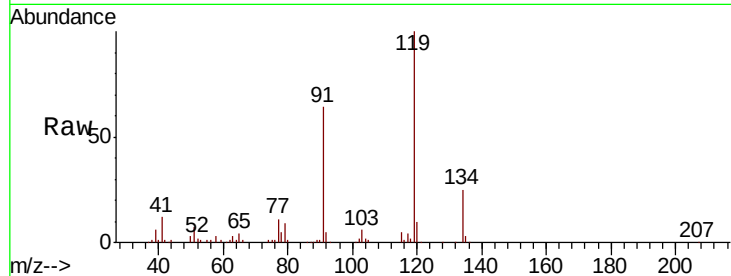




#83
 tert-Butylbenzene
 Concen: 22.096 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

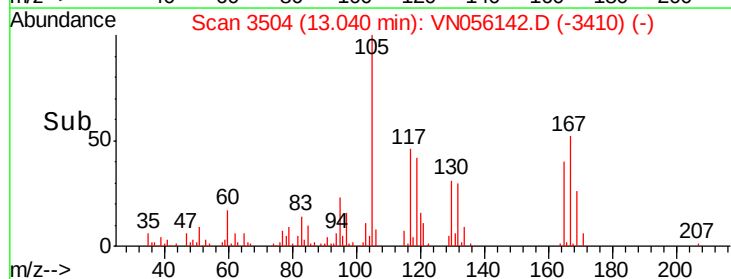
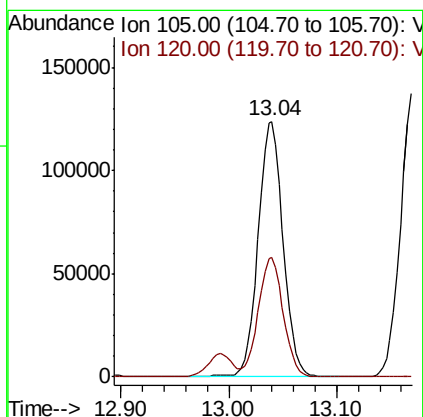
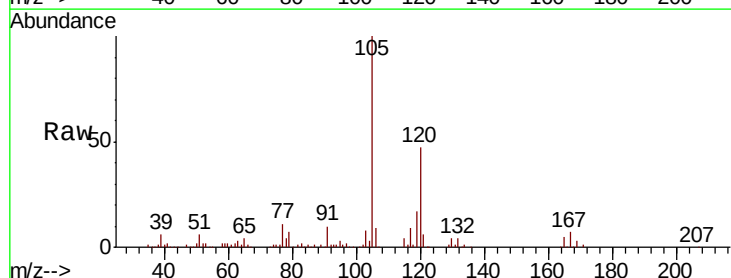
Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBS04

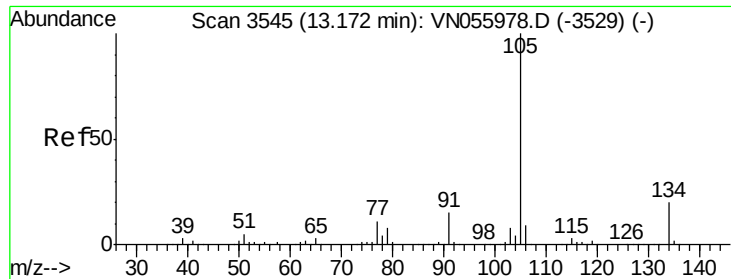
Tot Ion:119 Resp: 185539
 Ion Ratio Lower Upper
 119 100
 91 61.2 30.9 92.8
 134 26.4 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.619 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion:105 Resp: 197965
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.147 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

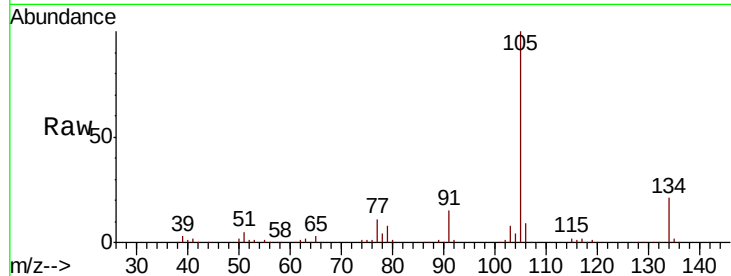
VN0608WBS04

Tot Ion:105 Resp: 227289

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

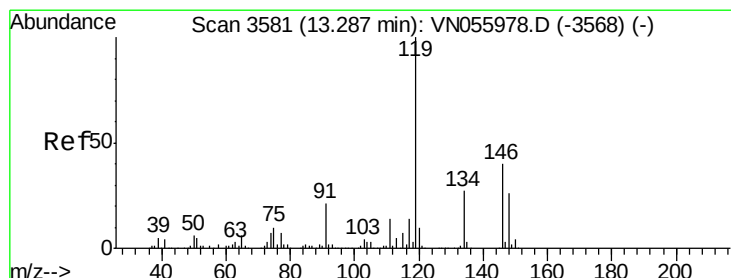
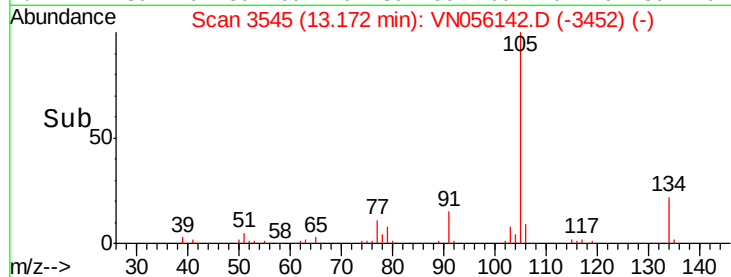
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.705 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

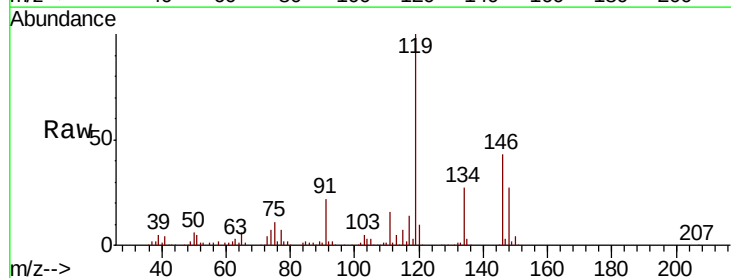
Tgt Ion:119 Resp: 198955

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 21.6 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

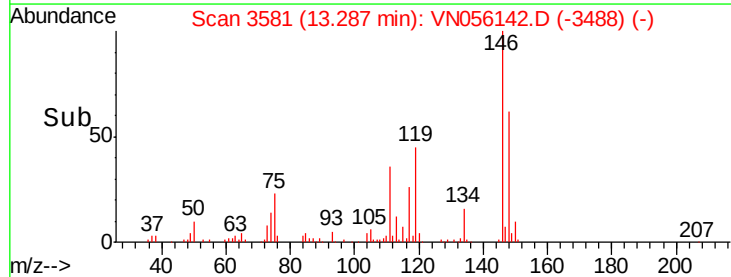
150000

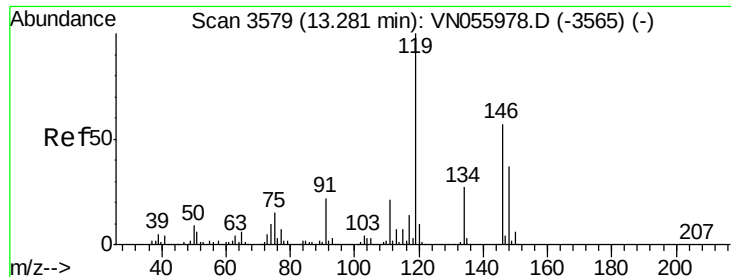
100000

50000

0

Time-->

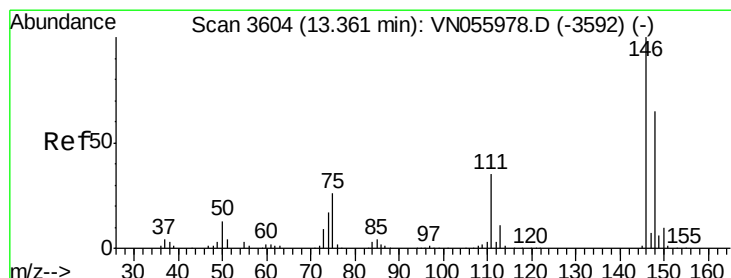
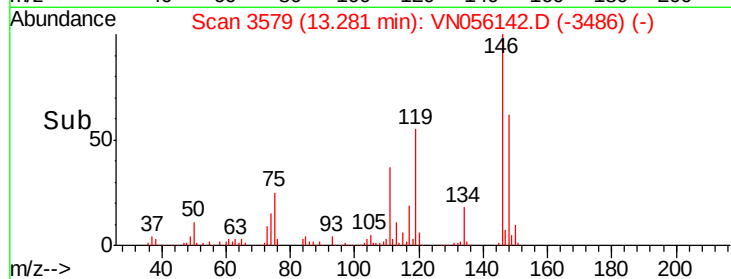
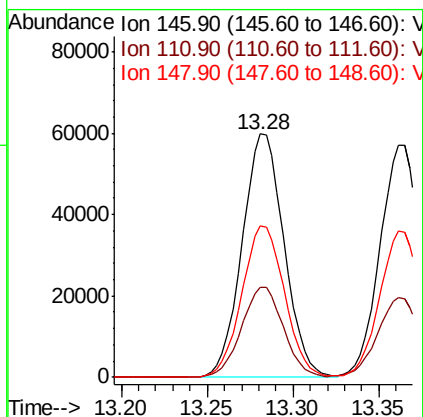
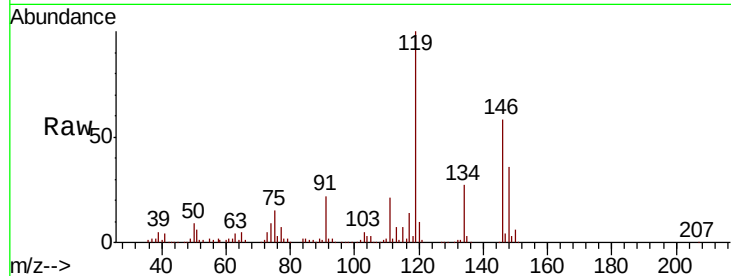




#87
 1,3-Dichlorobenzene
 Concen: 20.248 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

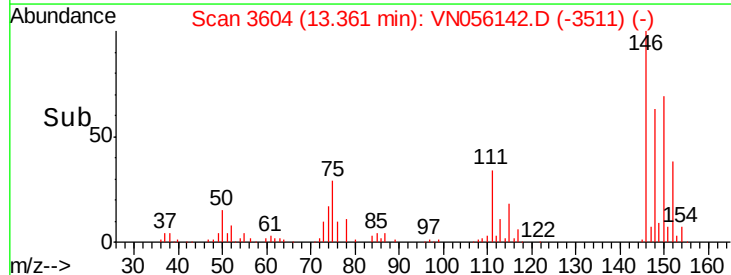
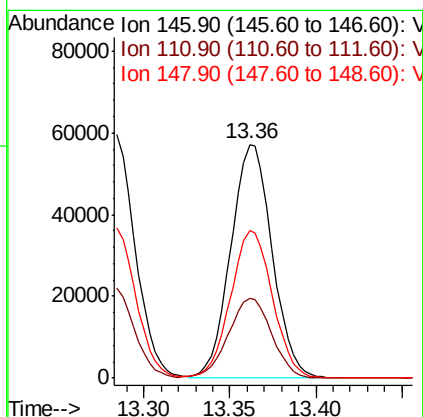
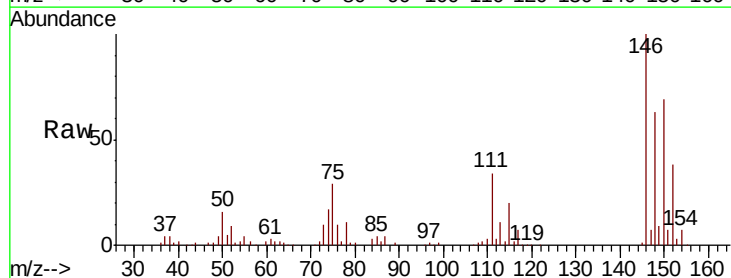
Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBS04

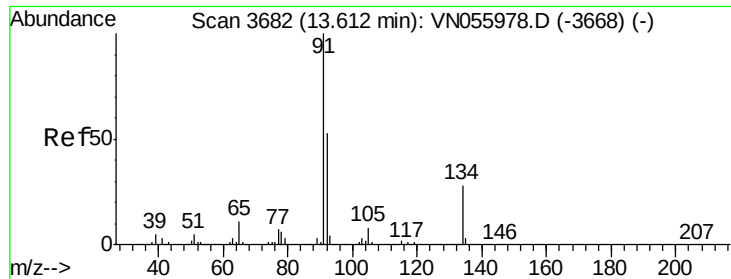
Tot Ion:146 Resp: 101034
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.5 55.5
 148 63.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.915 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion:146 Resp: 95588
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.1 54.4
 148 63.9 32.1 96.5

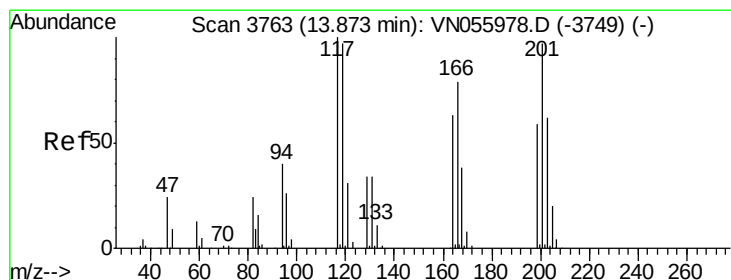
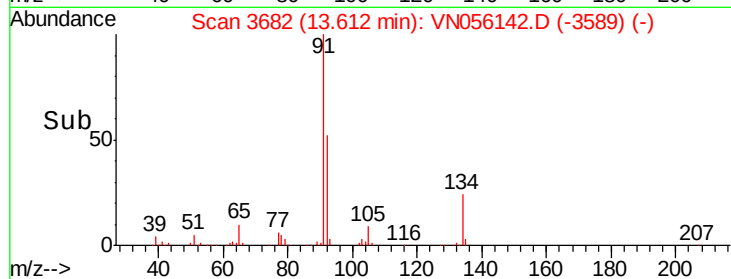
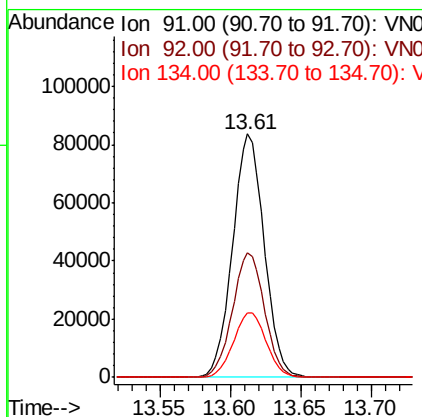
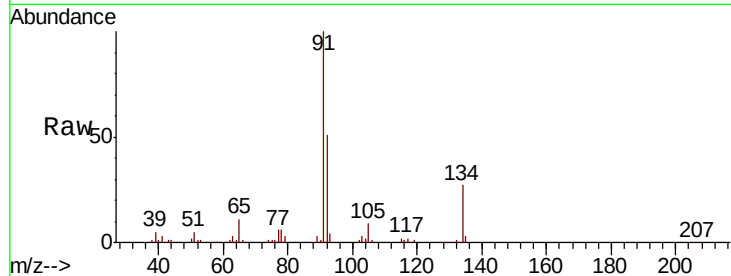




#89
n-Butylbenzene
Concen: 17.549 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

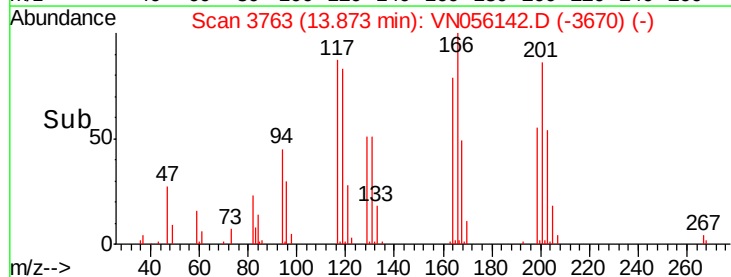
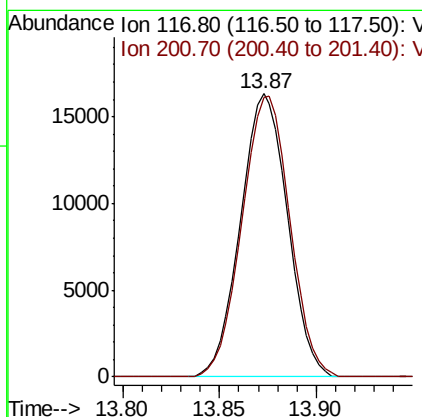
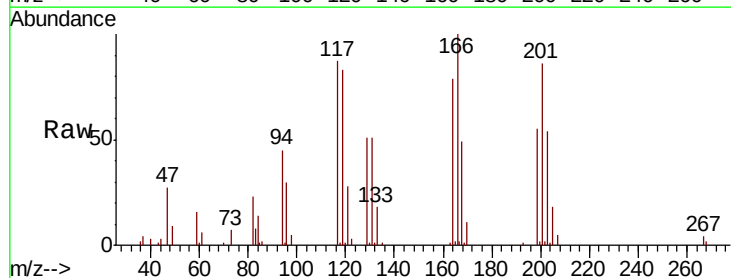
Instrument :
MSVOA_N
ClientSampled :
VN0608WBS04

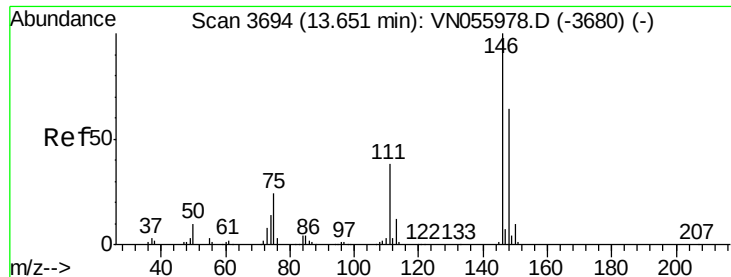
Tot Ion: 91 Resp: 131257
Ion Ratio Lower Upper
91 100
92 51.8 26.4 79.0
134 27.5 13.9 41.7



#90
Hexachloroethane
Concen: 18.153 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 117 Resp: 27642
Ion Ratio Lower Upper
117 100
201 101.0 50.0 150.0

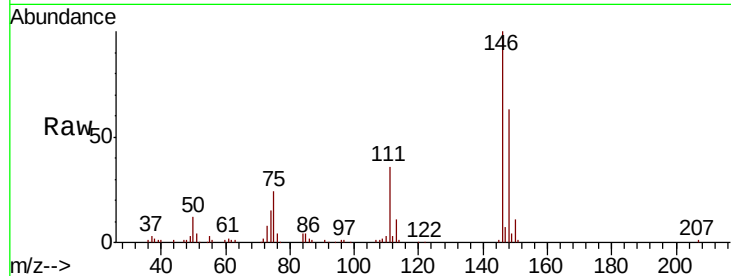




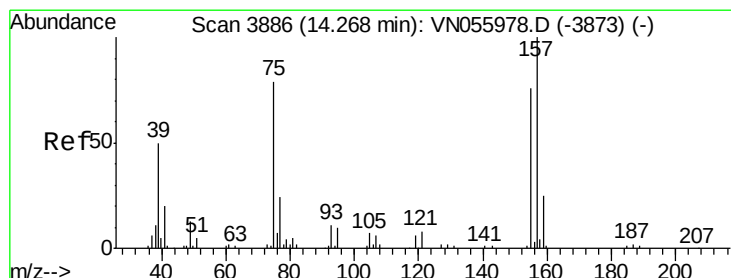
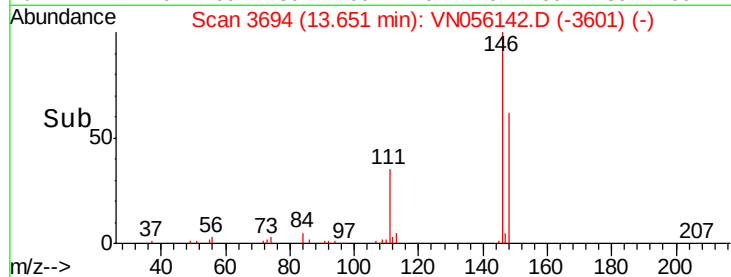
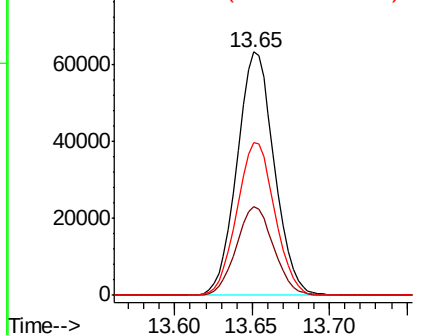
#91
 1,2-Dichlorobenzene
 Concen: 20.924 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Tot Ion:146 Resp: 105407
 Ion Ratio Lower Upper
 146 100
 111 36.5 19.1 57.5
 148 63.8 31.9 95.9

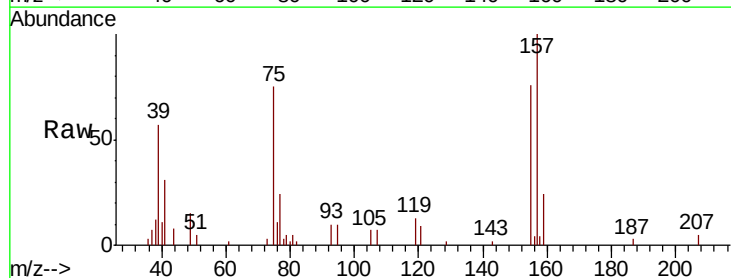


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

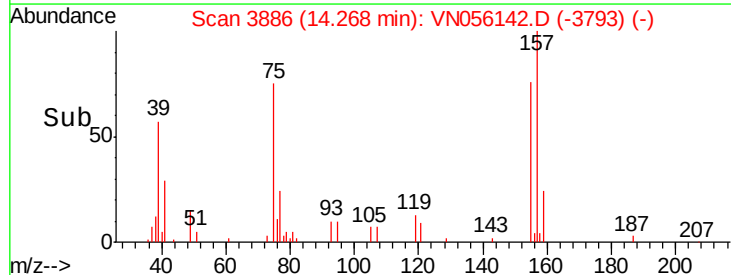
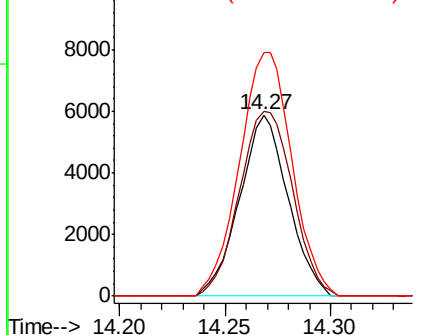


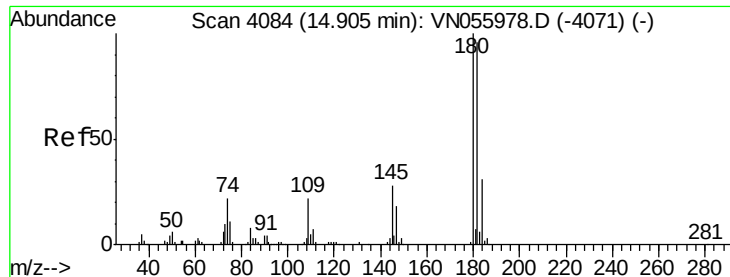
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.794 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion: 75 Resp: 9397
 Ion Ratio Lower Upper
 75 100
 155 112.1 50.0 150.1
 157 145.5 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

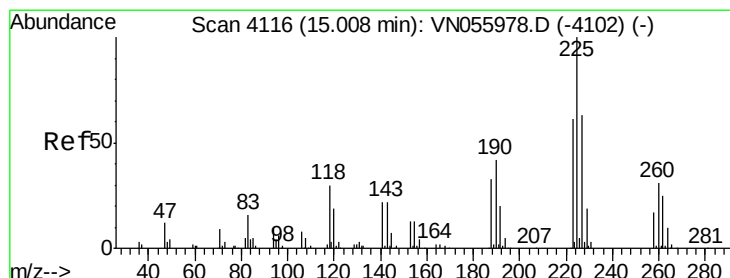
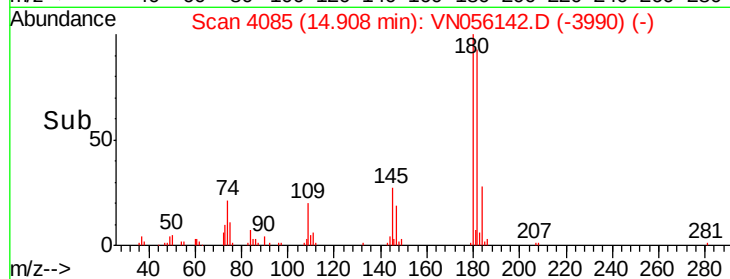
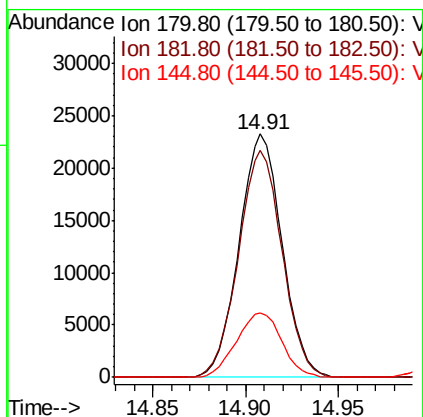
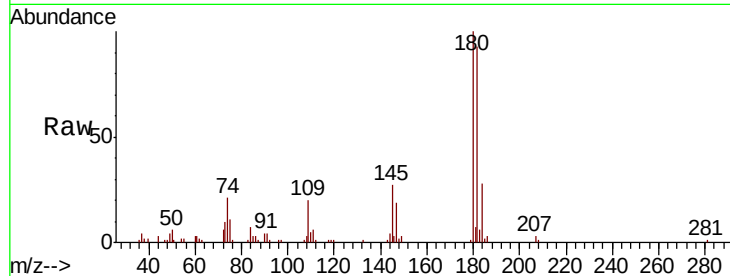




#93
 1,2,4-Trichlorobenzene
 Concen: 16.634 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

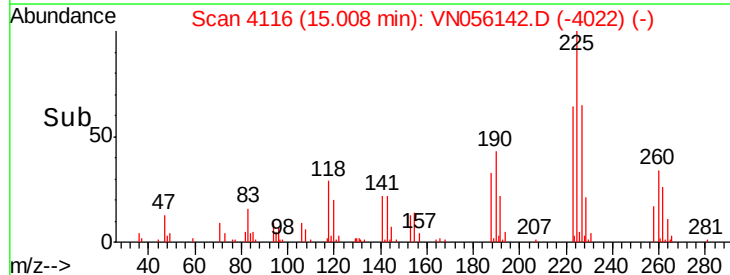
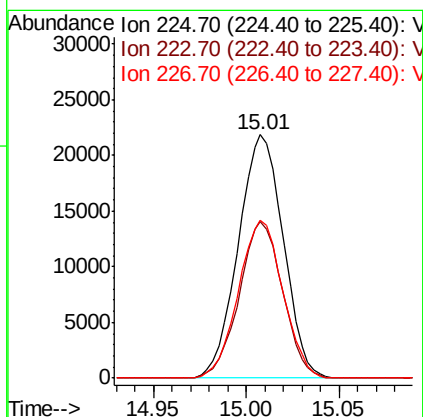
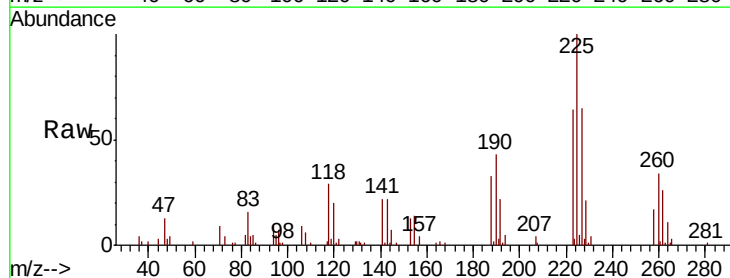
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

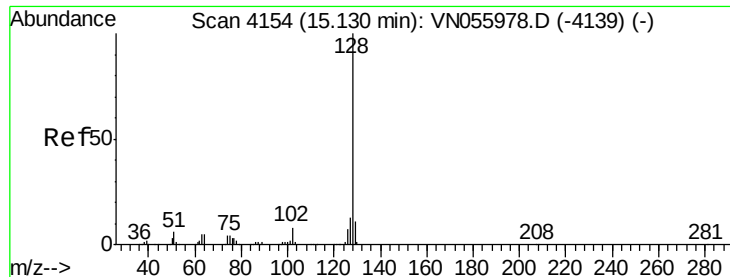
Tot Ion:180 Resp: 37529
 Ion Ratio Lower Upper
 180 100
 182 94.4 48.3 144.9
 145 27.9 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 20.056 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion:225 Resp: 36811
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.9 92.7
 227 64.1 31.6 94.7





#95

Naphthalene

Concen: 17.633 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

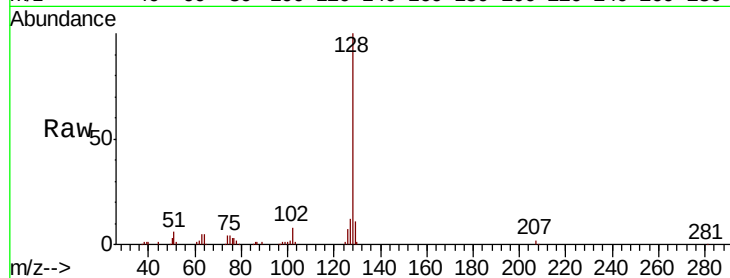
Tot Ion:128 Resp: 107545

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

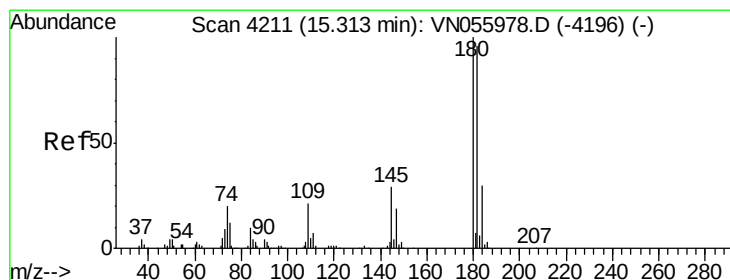
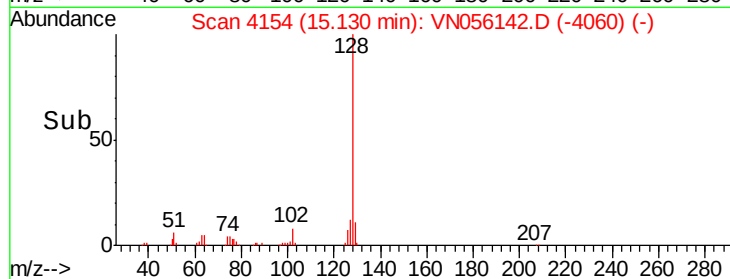
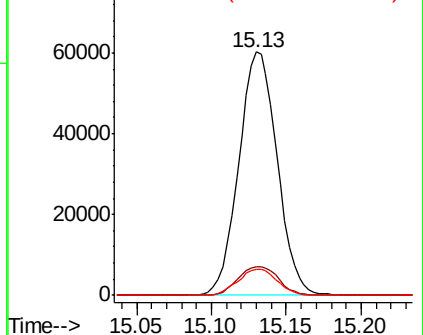
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.895 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

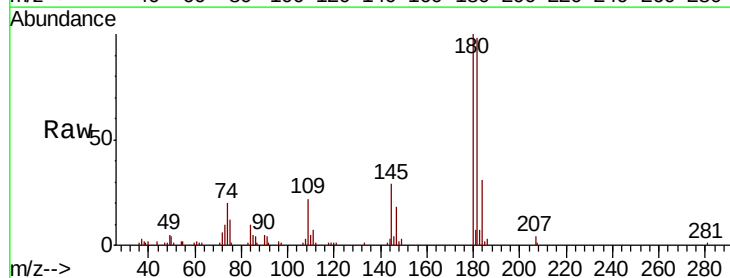
Tgt Ion:180 Resp: 44765

Ion Ratio Lower Upper

180 100

182 96.7 47.9 143.7

145 29.6 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

