

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056017.D
 Acq On : 5 Jun 2019 19:43
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Jun 06 03:24:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 03:18:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55849	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	302412	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	270530	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	103156	28.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.93%
60) 4-Bromofluorobenzene	12.40	95	122623	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	10.09	98	364371	29.48	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	158628	60.362	ug/l 100
3) Chloromethane	2.06	50	184208	52.555	ug/l 98
4) Vinyl Chloride	2.18	62	187768	52.124	ug/l 99
5) Bromomethane	2.53	94	119982	55.436	ug/l 99
6) Chloroethane	2.68	64	109430	52.245	ug/l 94
7) Trichlorofluoromethane	3.00	101	227386	50.353	ug/l 98
8) Diethyl Ether	3.40	74	95070	48.420	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	139516	49.303	ug/l 98
10) 1,1-Dichloroethene	3.72	96	145051	49.365	ug/l 99
11) Methyl Iodide	3.94	142	233838	54.708	ug/l 98
12) Methyl Acetate	4.33	43	163980	45.774	ug/l 99
13) Acrolein	3.60	56	42642	97.531	ug/l 97
14) Acrylonitrile	4.99	53	385532	238.060	ug/l 98
15) Acetone	3.82	58	130880	255.539	ug/l 95
16) Carbon Disulfide	4.04	76	347101	43.125	ug/l 100
17) Allyl chloride	4.31	41	225995	44.098	ug/l 99
18) Methylene Chloride	4.54	84	165839	49.230	ug/l 99
19) trans-1,2-Dichloroethene	5.03	96	154376	48.861	ug/l 97
20) Diisopropyl ether	5.96	45	462129	45.618	ug/l 95
21) 1,1-Dichloroethane	5.84	63	268991	46.944	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	181481	49.236	ug/l 99
23) tert-Butyl Alcohol	4.81	59	149834	216.214	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	461006	46.839	ug/l 98
25) Chloroform	7.37	83	269776	47.480	ug/l 98
26) Cyclohexane	7.65	56	245680	46.321	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	205432	49.054	ug/l 100
30) 2-Butanone	6.84	43	547919	246.241	ug/l 100
31) 2,2-Dichloropropane	6.82	77	189929	40.780	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	226312	46.248	ug/l 99
33) Carbon Tetrachloride	7.77	117	191708	44.420	ug/l 99
34) Benzene	8.04	78	655144	50.302	ug/l # 93
35) Methacrylonitrile	7.17	41	97464	47.003	ug/l 95
36) 1,2-Dichloroethane	8.12	62	203252	48.258	ug/l 98
37) Trichloroethene	8.83	130	181076	49.684	ug/l 97
38) Methylcyclohexane	9.08	83	253104	47.718	ug/l 98
39) 1,2-Dichloropropane	9.12	63	166758	48.036	ug/l 96
40) Dibromomethane	9.21	93	110240	48.877	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	201206	44.987	ug/l	99
42) Vinyl Acetate	5.90	43	1959068	230.902	ug/l	100
43) Ethyl Acetate	6.93	43	206166	47.492	ug/l	100
44) Isopropyl Acetate	8.17	43	323183	45.558	ug/l	98
45) 1,4-Dioxane	9.20	88	69238	1005.959	ug/l	98
46) Methyl methacrylate	9.20	41	159777	48.127	ug/l	98
47) n-amyl Acetate	12.07	43	272512	46.596	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	215008	44.038	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	248874	45.869	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	163849	49.895	ug/l	97
51) Ethyl methacrylate	10.43	69	251509	48.366	ug/l	98
52) 1,3-Dichloropropane	10.71	76	267600	49.606	ug/l	99
53) Dibromochloromethane	10.90	129	166531	44.845	ug/l	98
54) 1,2-Dibromoethane	11.00	107	173928	51.189	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	440140	221.756	ug/l	100
56) Bromoform	12.13	173	120396	40.649	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	1013866	231.846	ug/l	100
59) 2-Hexanone	10.75	43	728683	232.660	ug/l	99
61) Tetrachloroethene	10.63	164	184234	50.156	ug/l	99
62) Toluene	10.16	91	718188	49.501	ug/l	99
64) Chlorobenzene	11.43	112	439967	50.032	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	160116	46.302	ug/l	98
66) Ethyl Benzene	11.51	91	766927	48.628	ug/l	100
67) m/p-Xylenes	11.62	106	587865	98.050	ug/l	98
68) o-Xylene	11.95	106	287521	48.580	ug/l	99
69) Styrene	11.96	104	482836	49.606	ug/l	99
70) Isopropylbenzene	12.25	105	754774	48.702	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	229148	48.285	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	267623	65.885	ug/l	71
73) Bromobenzene	12.53	156	202083	49.307	ug/l	98
74) n-propylbenzene	12.59	91	815649	49.166	ug/l	100
75) 2-Chlorotoluene	12.67	91	496909	48.928	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	620449	48.589	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	58550	38.570	ug/l	94
78) 4-Chlorotoluene	12.77	91	476697	49.733	ug/l	100
79) tert-butylbenzene	12.99	119	544238	48.556	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	615948	48.800	ug/l	100
81) sec-Butylbenzene	13.17	105	705763	49.511	ug/l	100
82) p-Isopropyltoluene	13.29	119	642511	49.203	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	325935	51.028	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	311223	51.343	ug/l	100
85) n-Butylbenzene	13.61	91	488443	48.682	ug/l	100
86) Hexachloroethane	13.87	117	100668	41.150	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	327039	50.844	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	37300	43.631	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	163259	47.981	ug/l	99
90) Hexachlorobutadiene	15.01	225	116351	45.709	ug/l	98
91) Naphthalene	15.13	128	443580	47.870	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	174108	48.858	ug/l	99

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QLast Update : Thu Jun 06 03:18:25 2019
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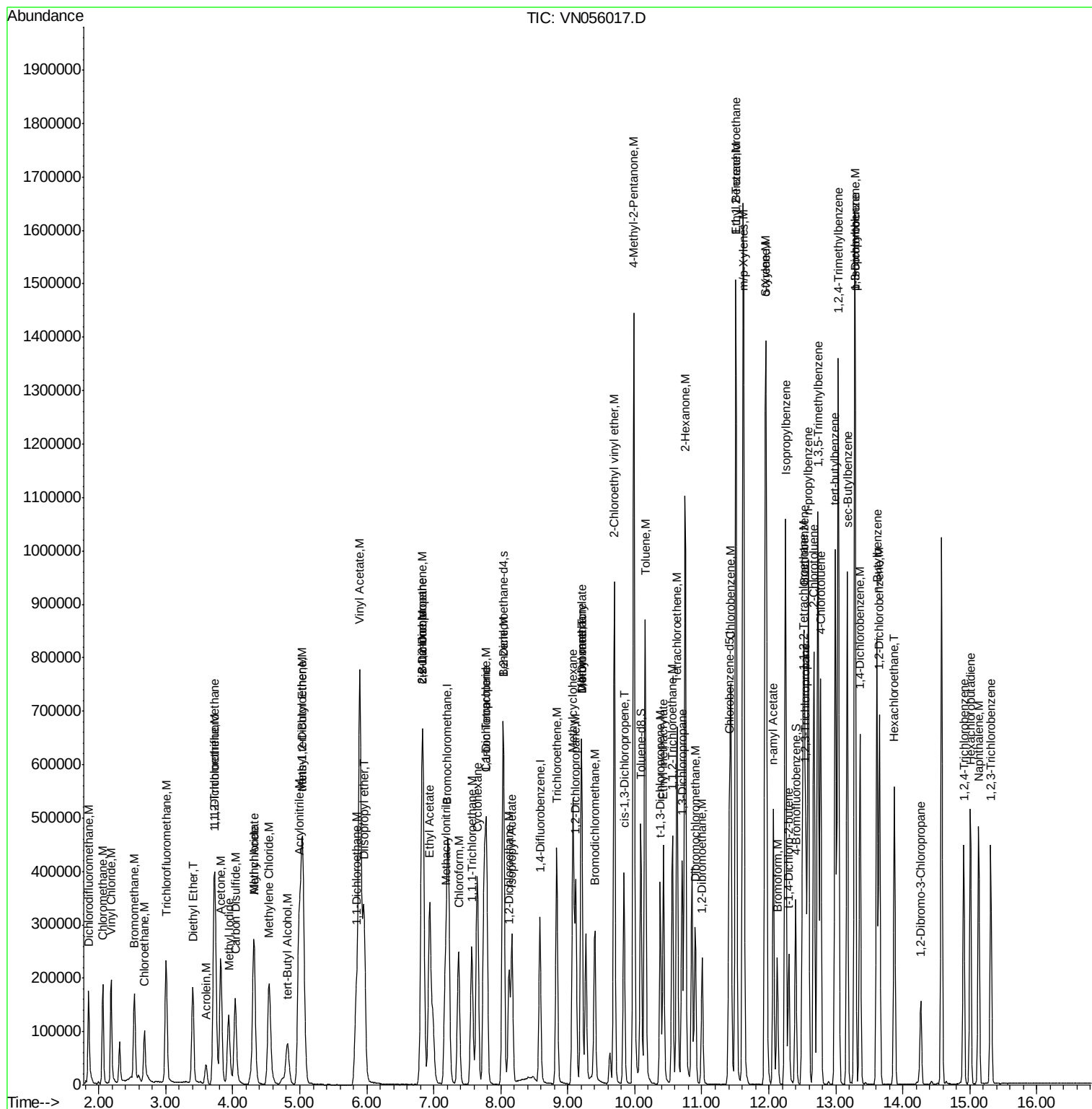
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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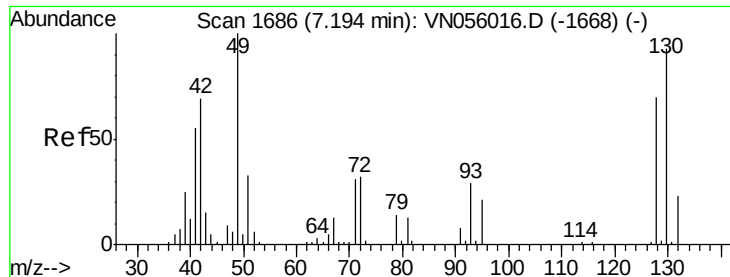
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Jun 06 03:24:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 03:18:25 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

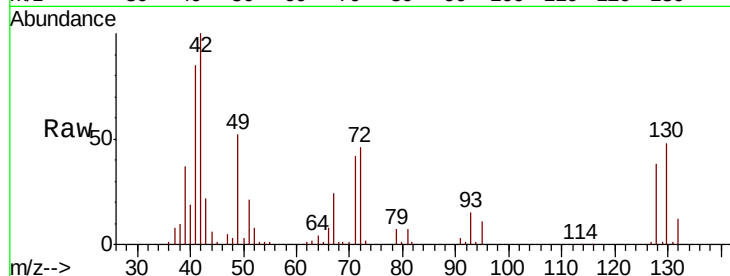
Tot Ion:128 Resp: 55849

Ion Ratio Lower Upper

128 100

49 142.3 0.0 355.8

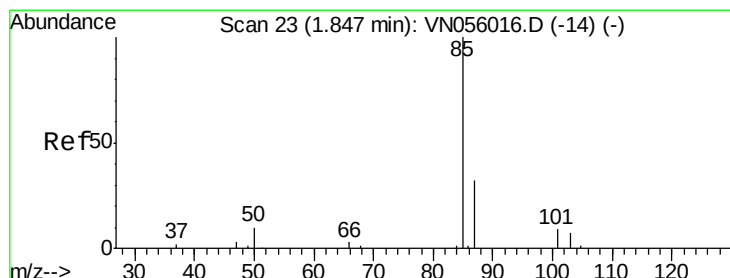
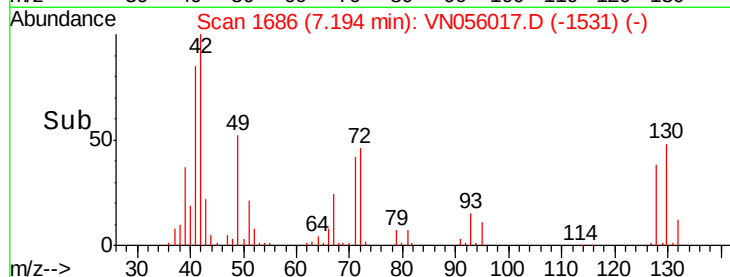
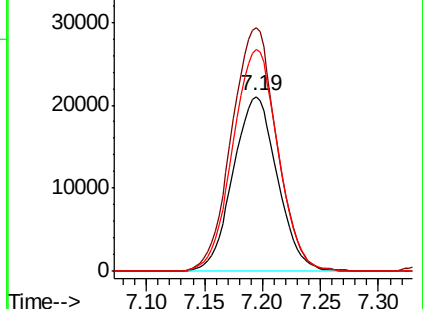
130 129.9 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 60.362 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056017.D

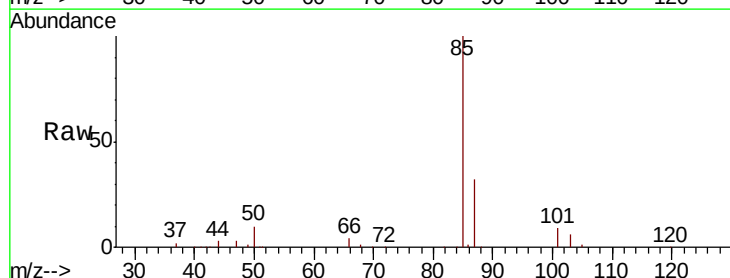
Acq: 5 Jun 2019 19:43

Tgt Ion: 85 Resp: 158628

Ion Ratio Lower Upper

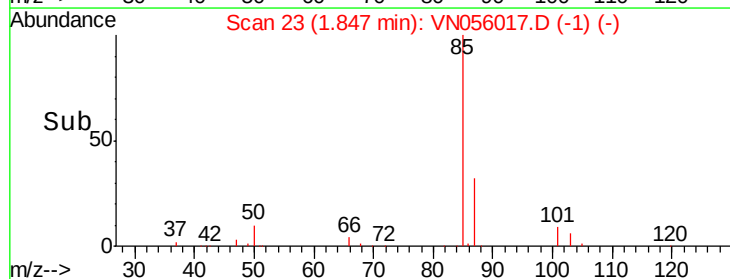
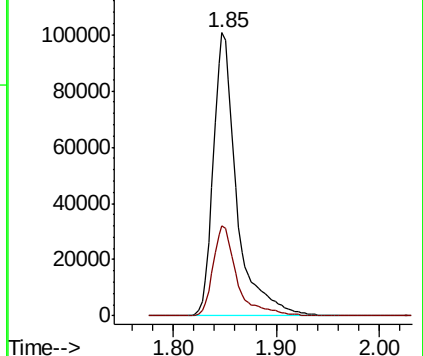
85 100

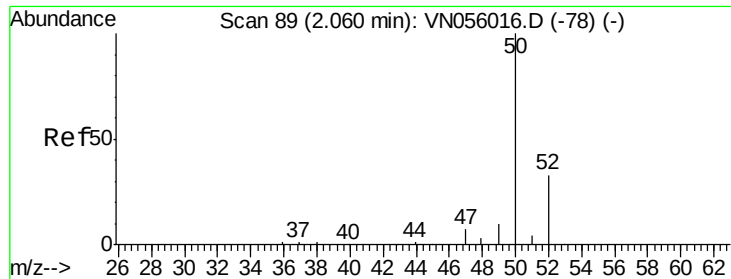
87 31.8 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 52.555 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

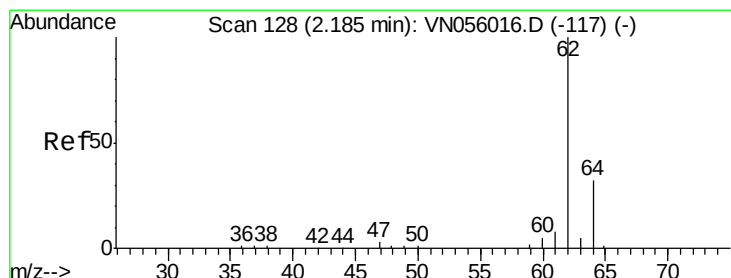
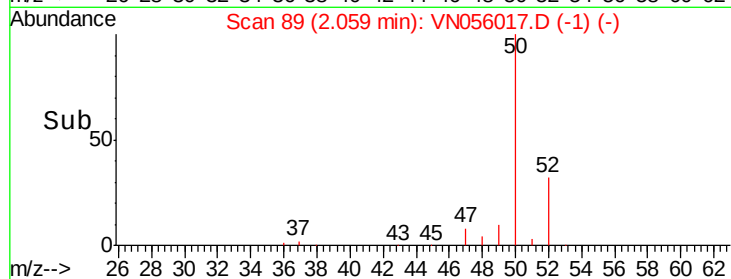
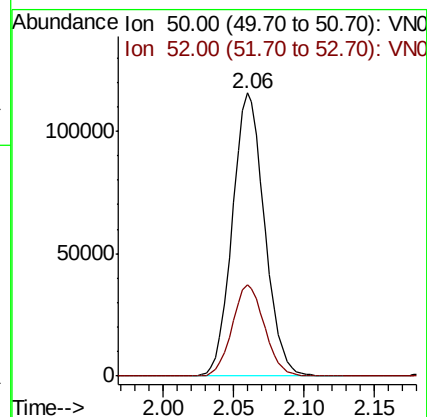
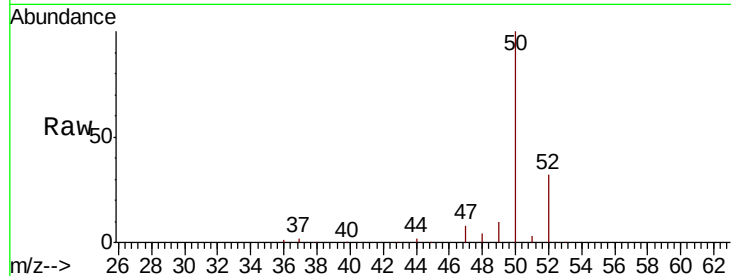
VSTDIC050

Tot Ion: 50 Resp: 184208

Ion Ratio Lower Upper

50 100

52 32.3 26.7 40.1



#4

Vinyl Chloride

Concen: 52.124 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056017.D

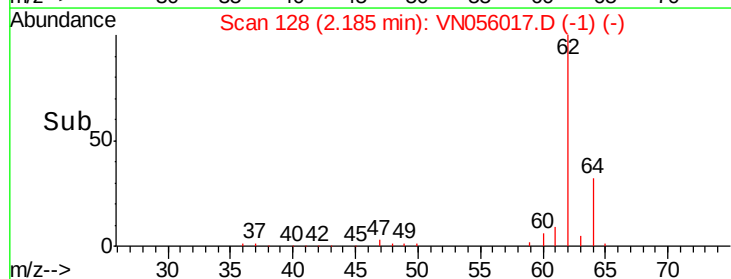
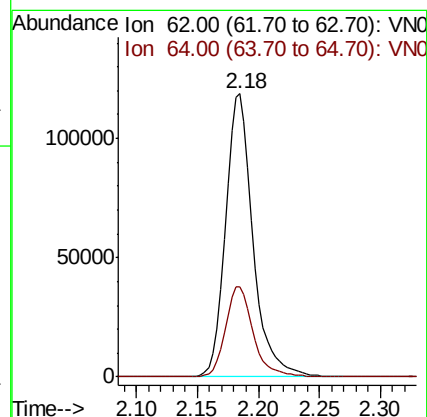
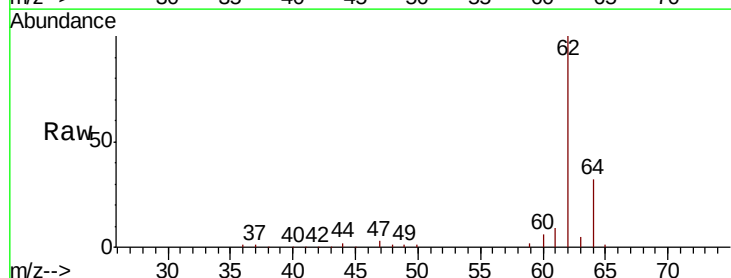
Acq: 5 Jun 2019 19:43

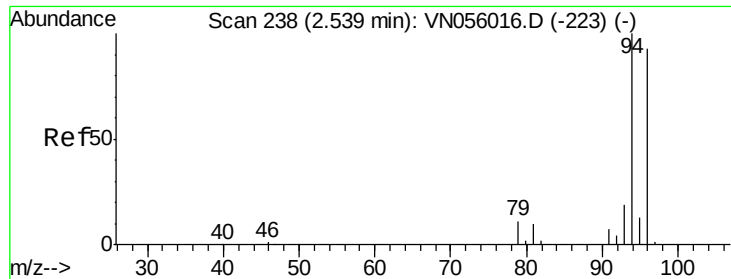
Tgt Ion: 62 Resp: 187768

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8

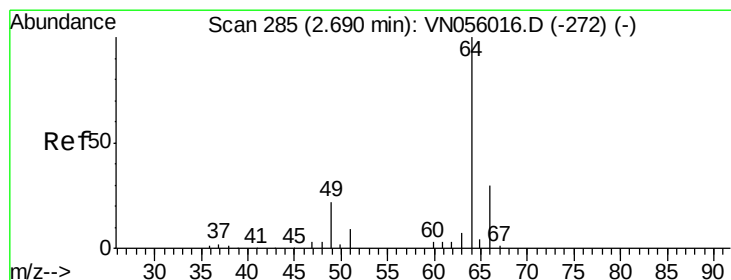
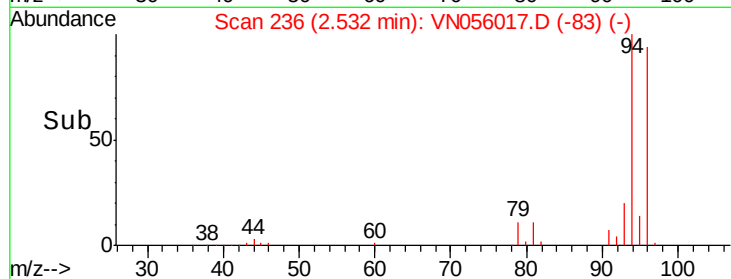
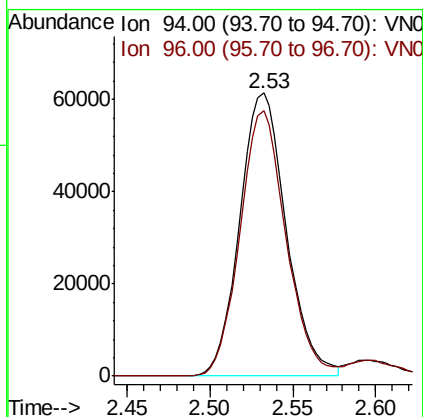
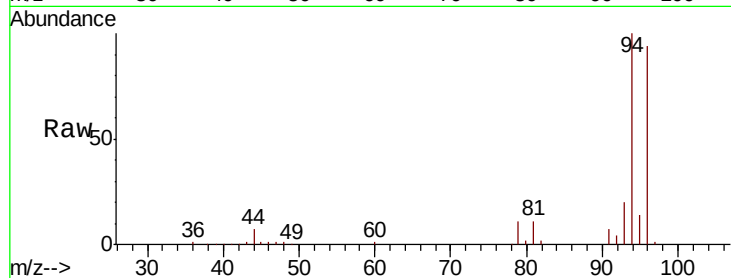




#5
Bromomethane
Concen: 55.436 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.01 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

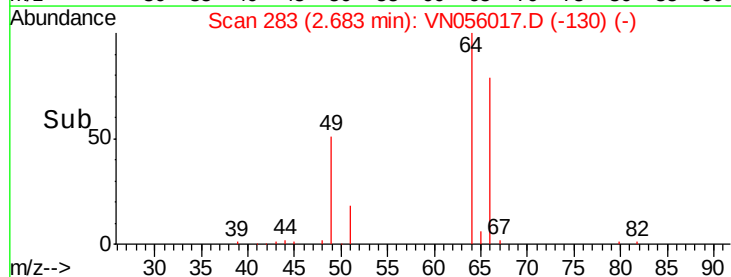
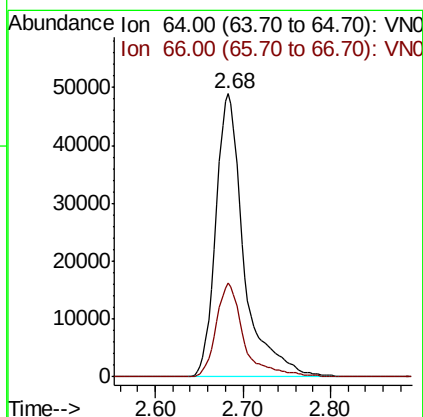
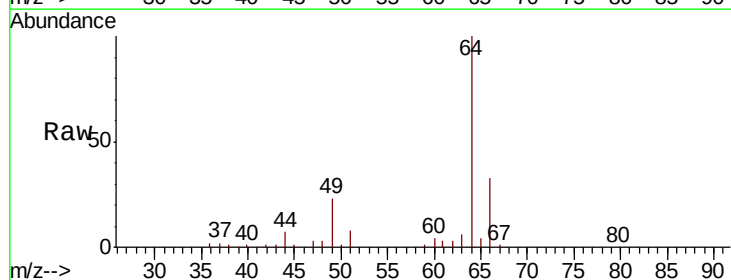
Instrument :
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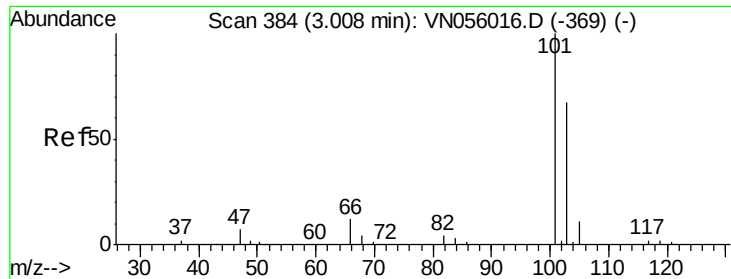
Tot Ion: 94 Resp: 119982
Ion Ratio Lower Upper
94 100
96 93.7 74.1 111.1



#6
Chloroethane
Concen: 52.245 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion: 64 Resp: 109430
Ion Ratio Lower Upper
64 100
66 33.0 23.7 35.5



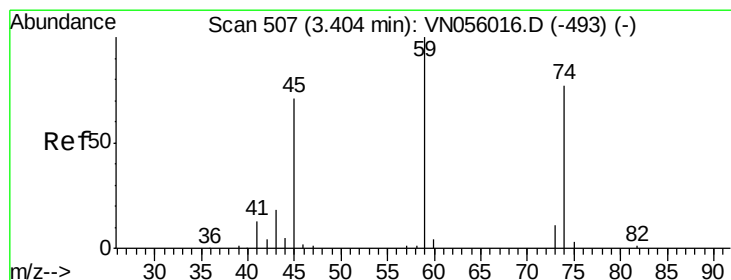
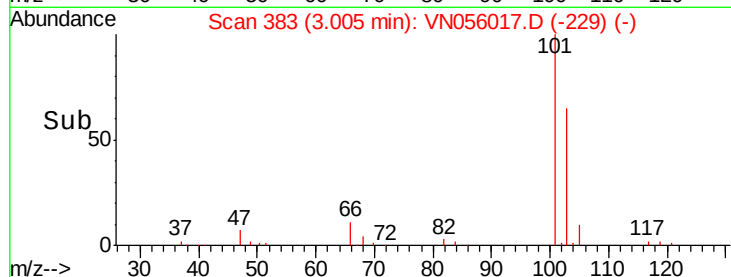
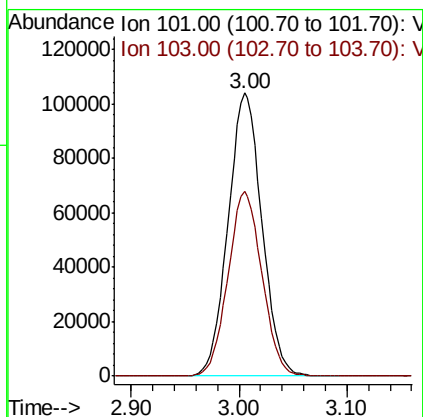
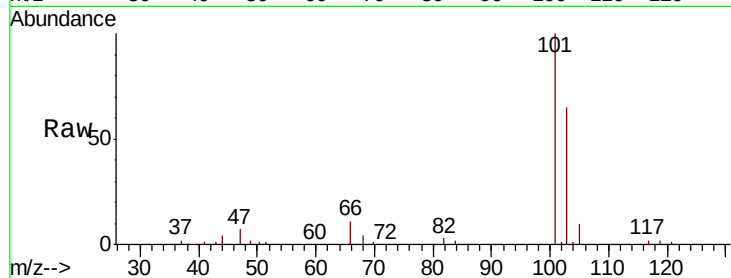


#7

Trichlorofluoromethane
 Concen: 50.353 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056017.D
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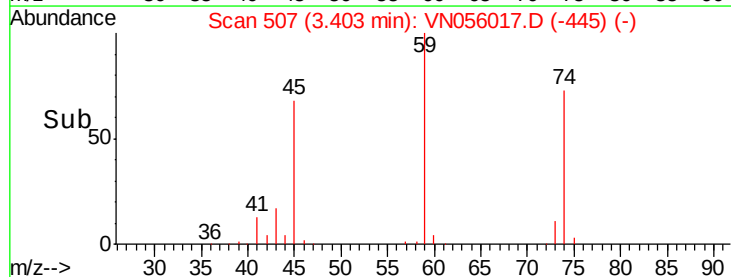
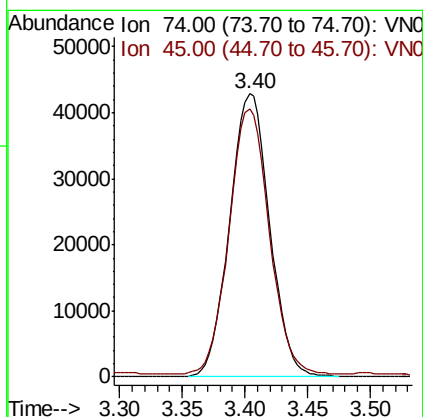
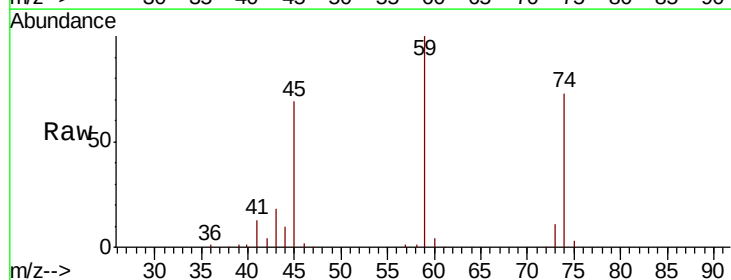
Tot Ion:101 Resp: 227386
 Ion Ratio Lower Upper
 101 100
 103 65.4 53.4 80.0

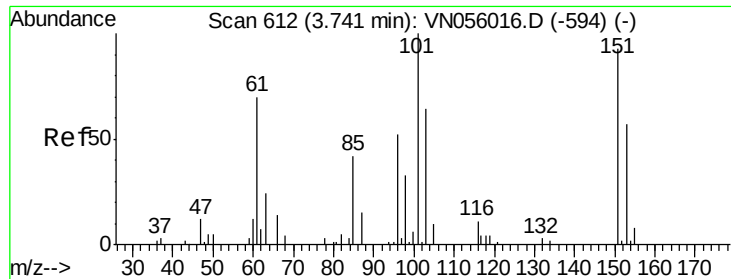


#8

Diethyl Ether
 Concen: 48.420 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion: 74 Resp: 95070
 Ion Ratio Lower Upper
 74 100
 45 94.1 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.303 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

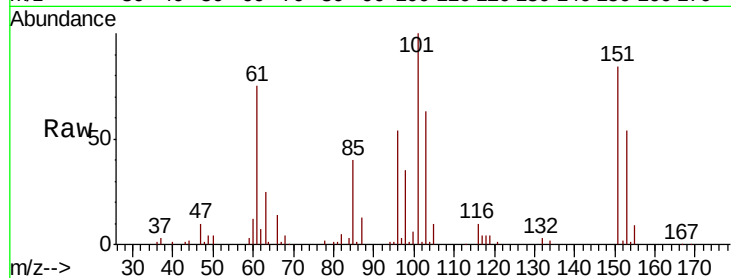
Tot Ion:101 Resp: 139516

Ion Ratio Lower Upper

101 100

85 41.0 0.0 82.0

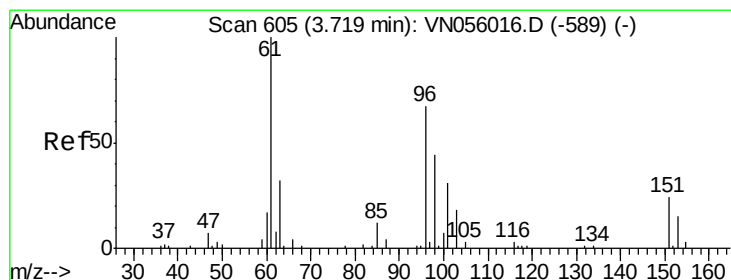
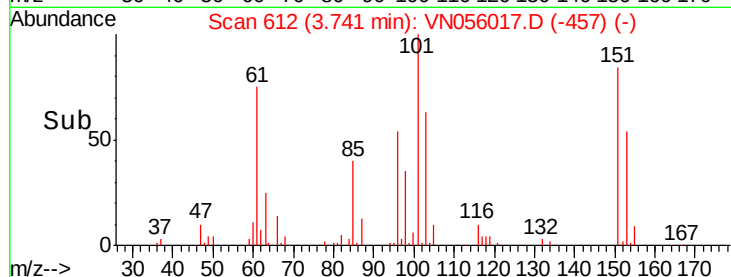
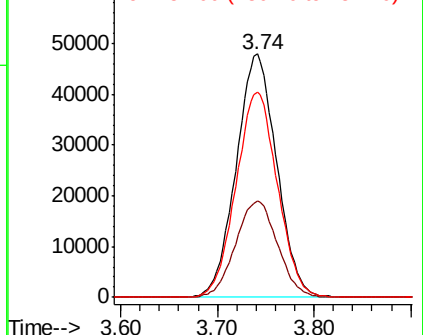
151 86.1 0.0 177.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 49.365 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

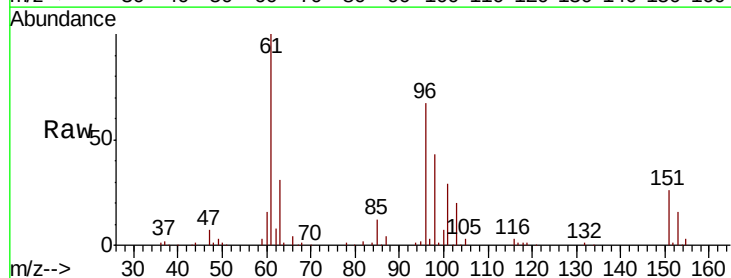
Tgt Ion: 96 Resp: 145051

Ion Ratio Lower Upper

96 100

61 148.3 119.7 179.5

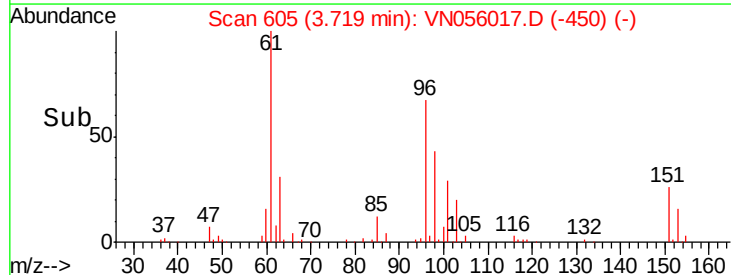
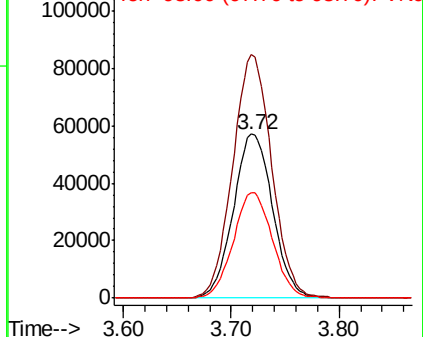
98 64.4 52.3 78.5

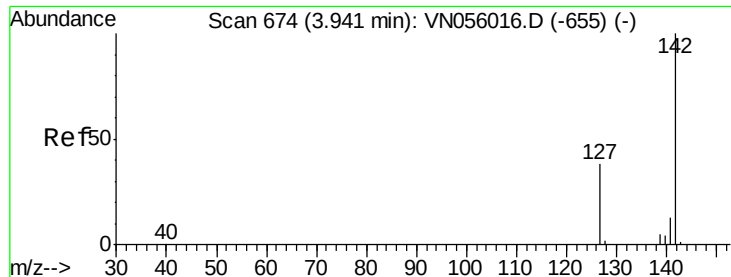


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

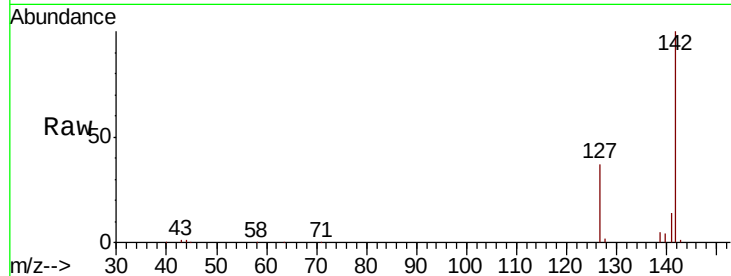




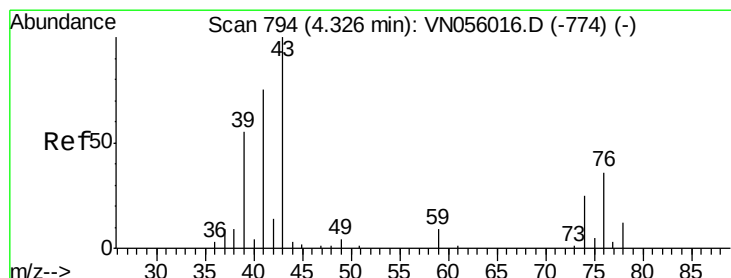
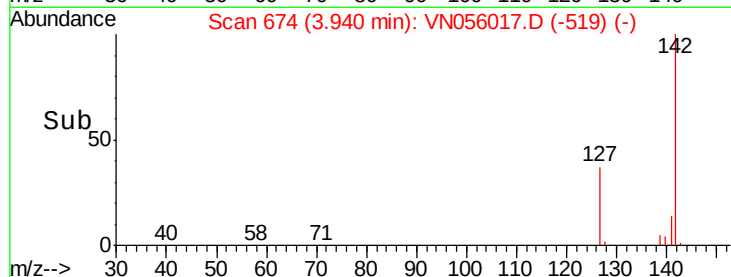
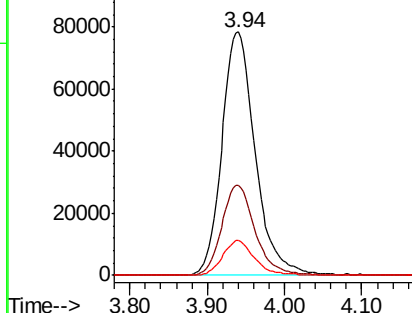
#11
Methyl Iodide
Concen: 54.708 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:142 Resp: 233838
Ion Ratio Lower Upper
142 100
127 37.0 19.0 57.0
141 14.2 6.7 20.0

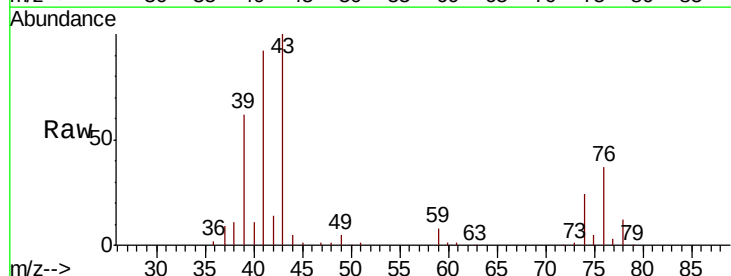


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

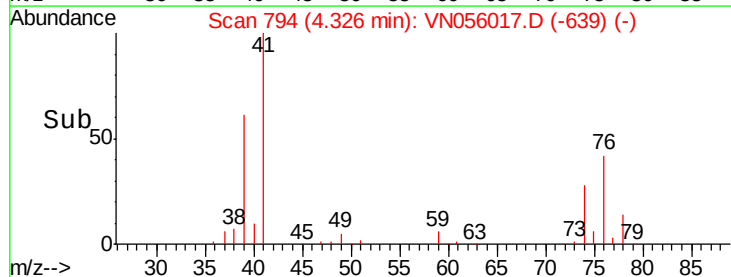
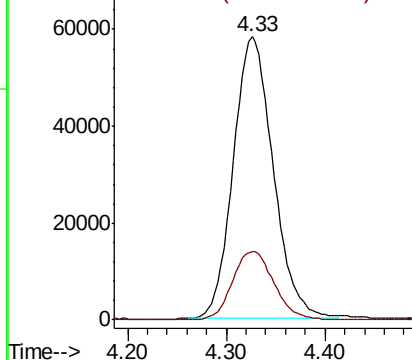


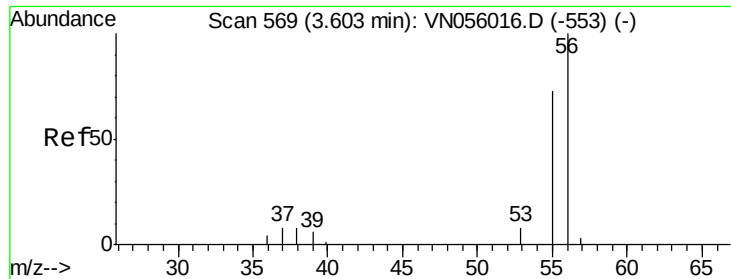
#12
Methyl Acetate
Concen: 45.774 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion: 43 Resp: 163980
Ion Ratio Lower Upper
43 100
74 24.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 97.531 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

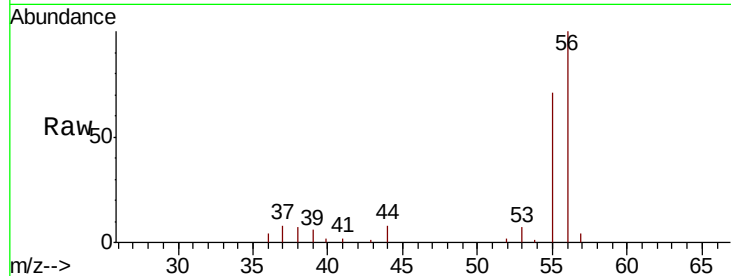
VSTDIC050

Tot Ion: 56 Resp: 42642

Ion Ratio Lower Upper

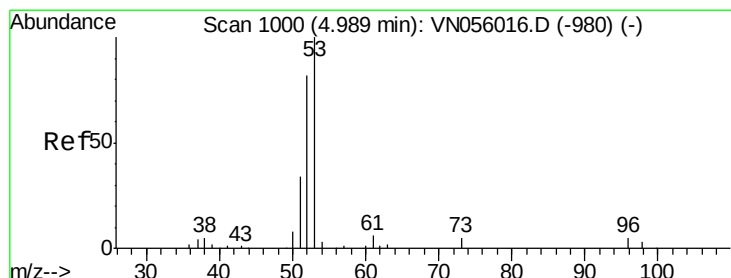
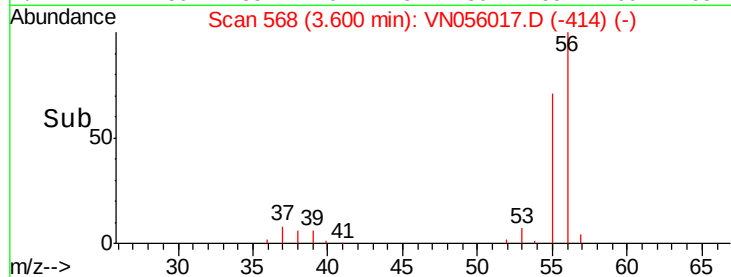
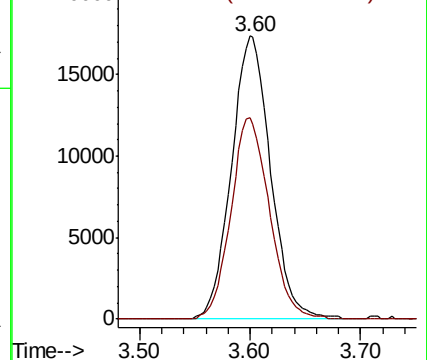
56 100

55 69.7 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 238.060 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

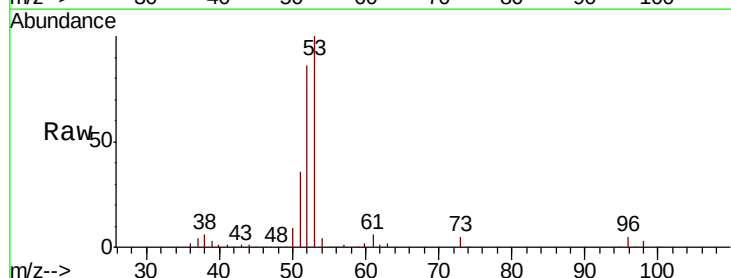
Tgt Ion: 53 Resp: 385532

Ion Ratio Lower Upper

53 100

52 83.9 40.8 122.2

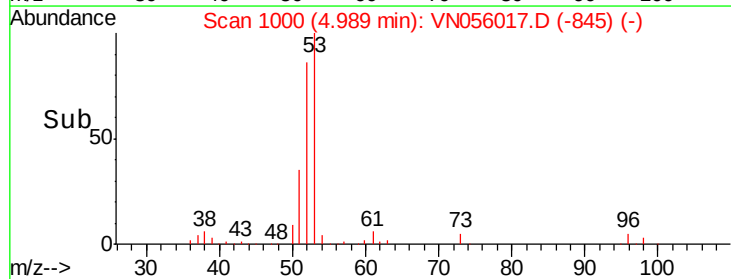
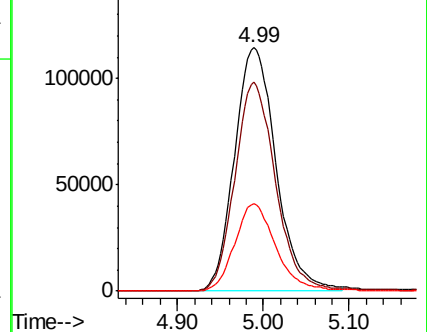
51 35.3 17.3 52.0

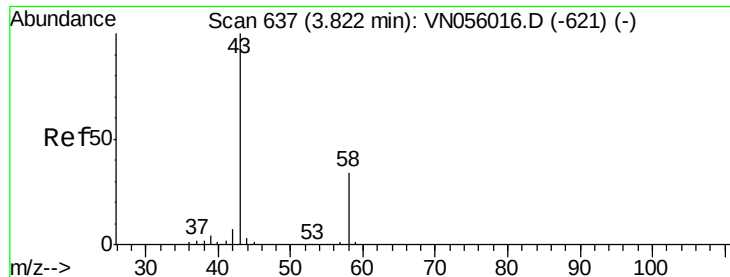


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 255.539 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

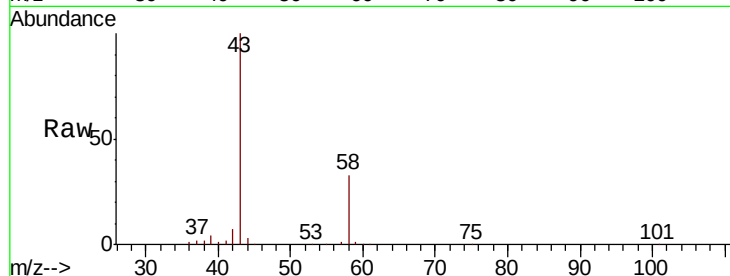
VSTDIC050

Tot Ion: 58 Resp: 130880

Ion Ratio Lower Upper

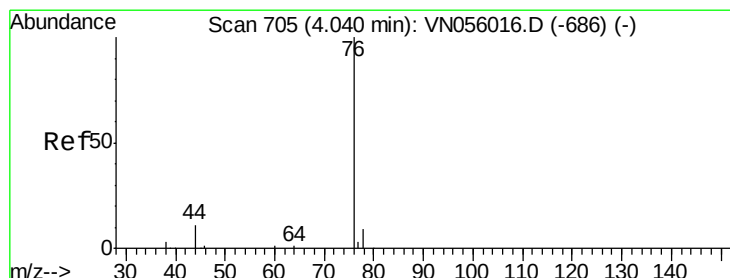
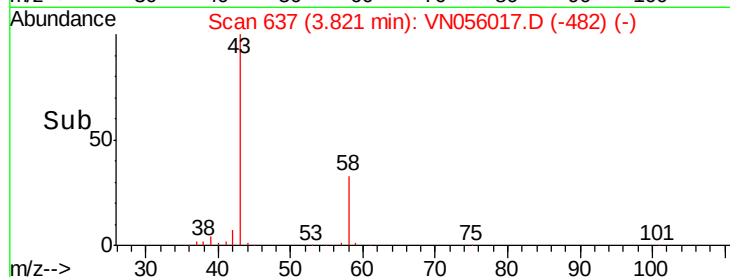
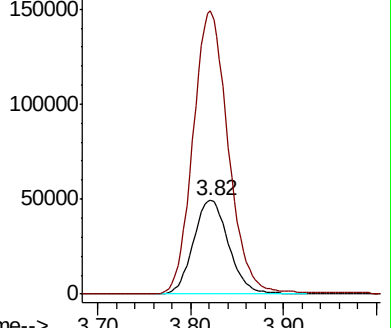
58 100

43 300.8 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN056016.D (-621) (-)

Ion 43.00 (42.70 to 43.70): VN056016.D (-621) (-)



#16

Carbon Disulfide

Concen: 43.125 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056017.D

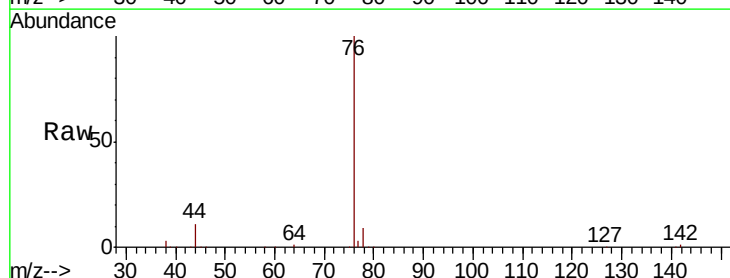
Acq: 5 Jun 2019 19:43

Tgt Ion: 76 Resp: 347101

Ion Ratio Lower Upper

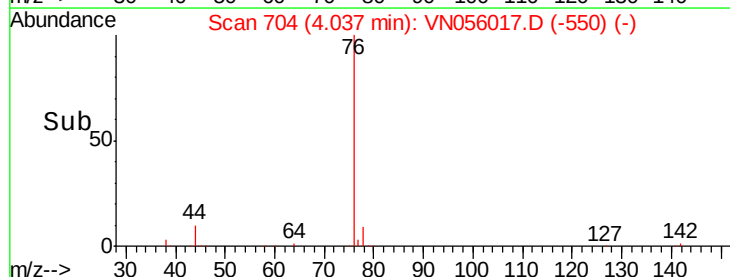
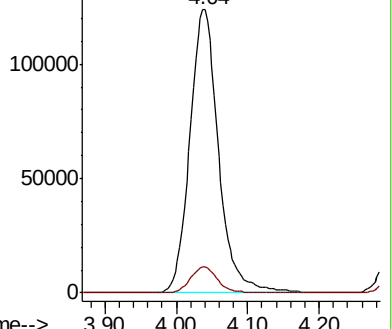
76 100

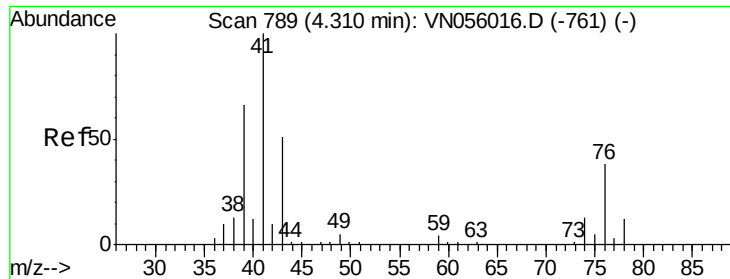
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN056016.D (-686) (-)

Ion 78.00 (77.70 to 78.70): VN056016.D (-686) (-)

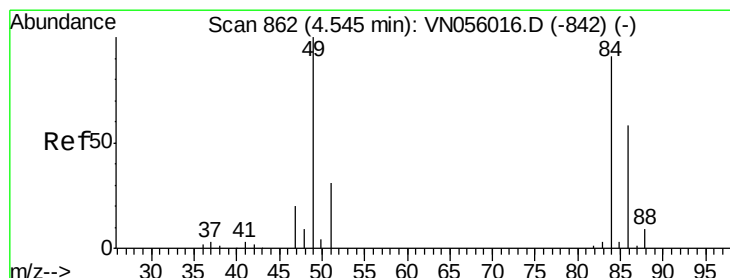
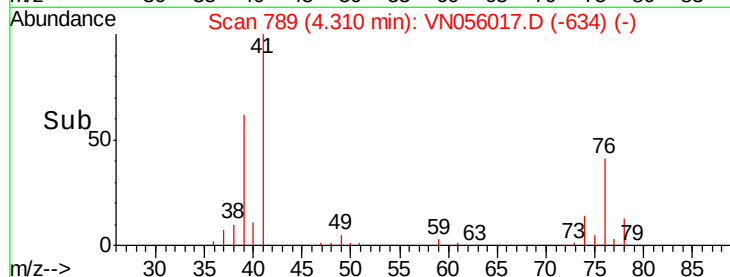
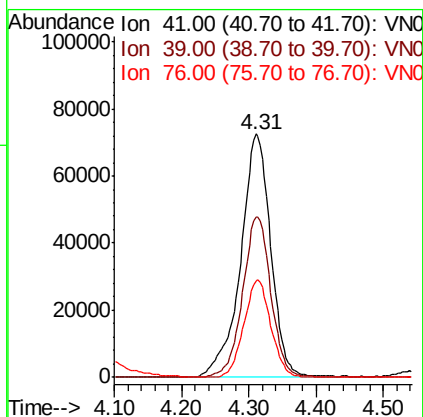
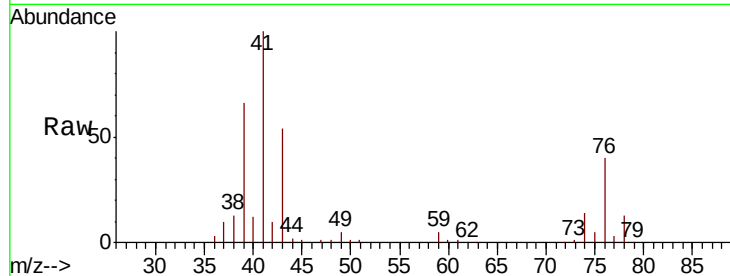




#17
Allvl chloride
Concen: 44.098 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

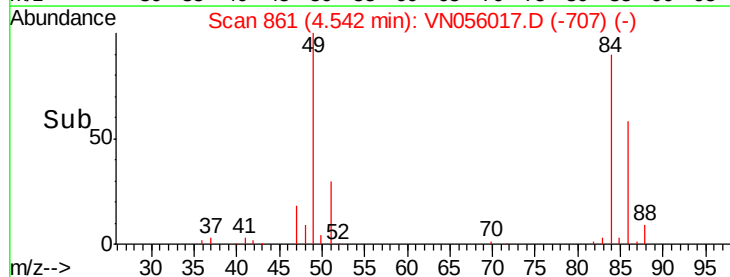
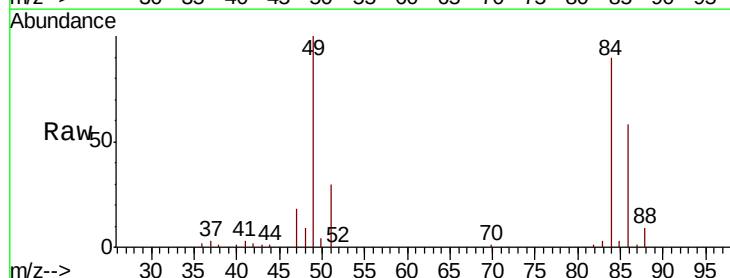
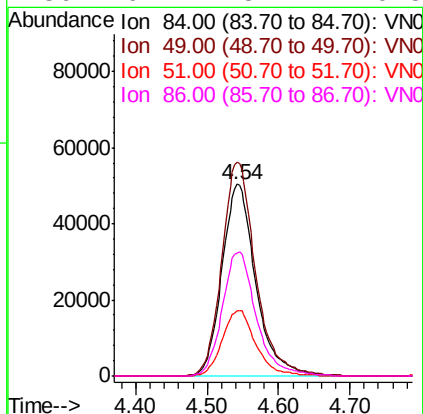
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

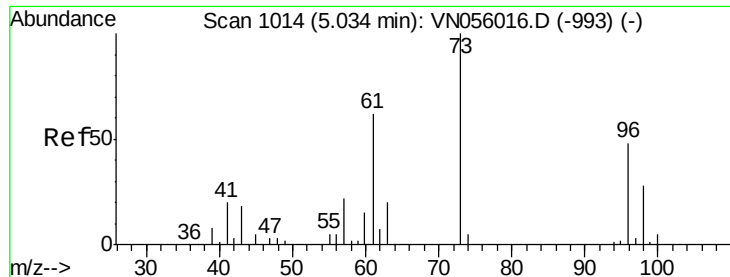
Tot Ion: 41 Resp: 225995
Ion Ratio Lower Upper
41 100
39 66.1 33.0 99.0
76 39.5 18.9 56.9



#18
Methylene Chloride
Concen: 49.230 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion: 84 Resp: 165839
Ion Ratio Lower Upper
84 100
49 111.1 87.6 131.4
51 33.8 27.0 40.4
86 64.1 51.2 76.8

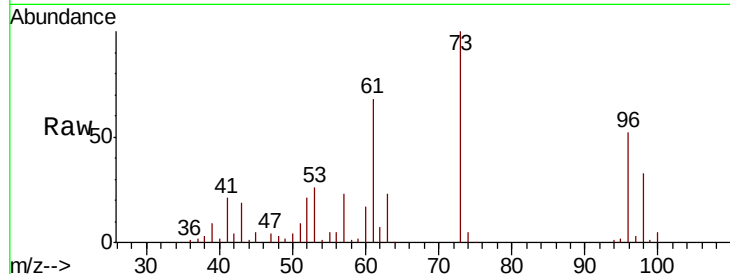




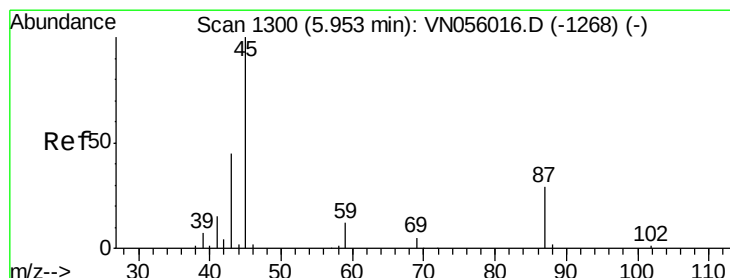
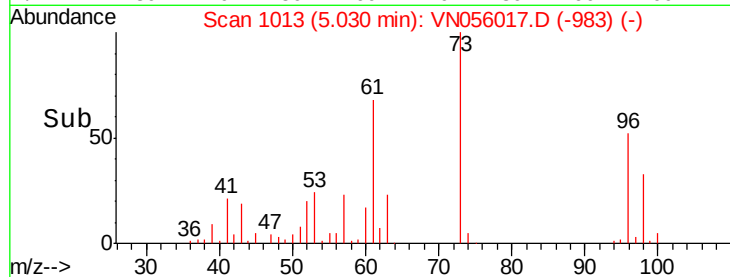
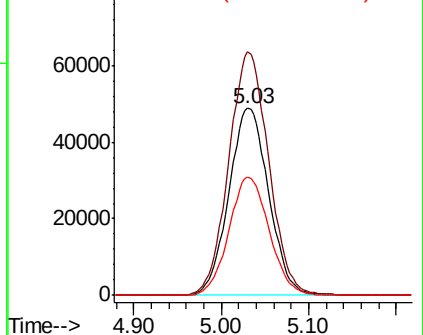
#19
trans-1,2-Dichloroethene
Concen: 48.861 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 96 Resp: 154376
Ion Ratio Lower Upper
96 100
61 129.8 102.5 153.7
98 63.1 46.9 70.3

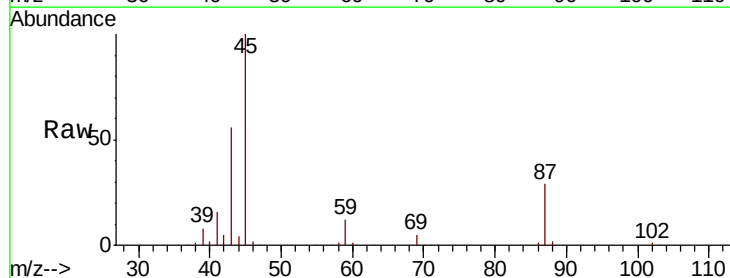


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

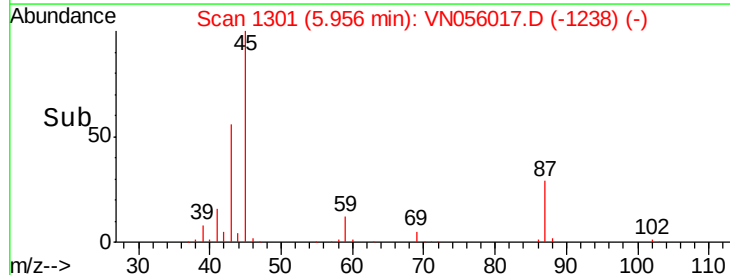
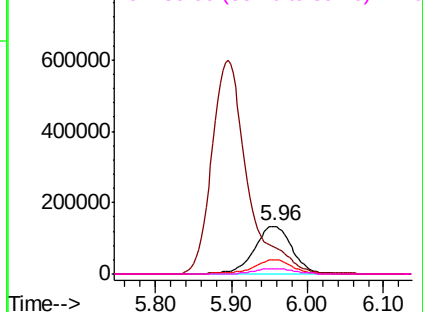


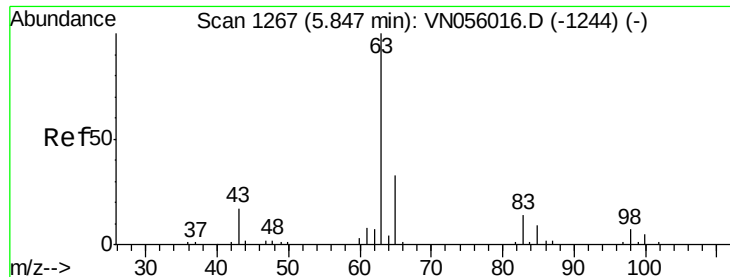
#20
Diisopropyl ether
Concen: 45.618 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion: 45 Resp: 462129
Ion Ratio Lower Upper
45 100
43 54.1 48.0 72.0
87 28.9 23.4 35.2
59 11.4 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

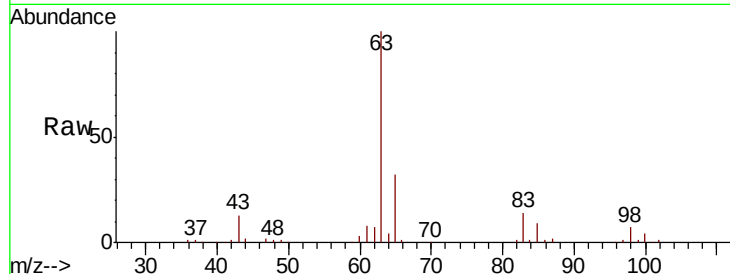




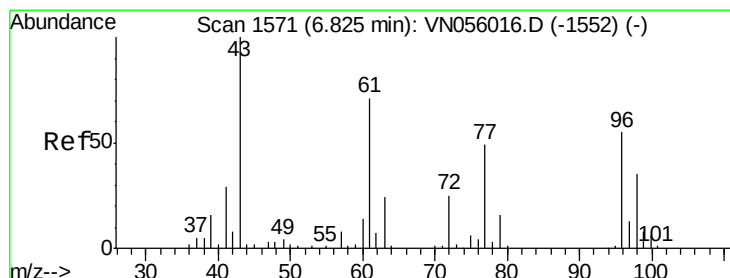
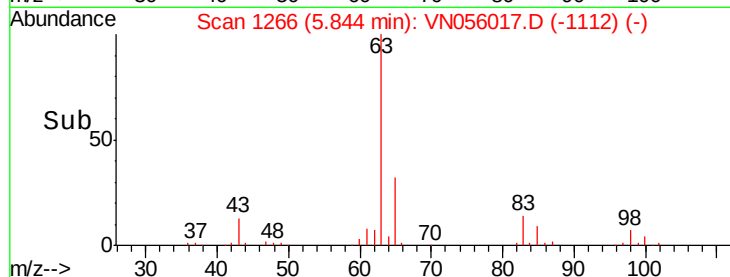
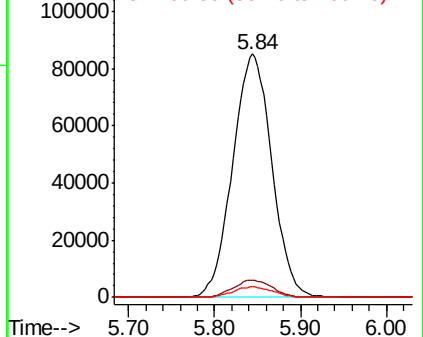
#21
 1,1-Dichloroethane
 Concen: 46.944 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion: 63 Resp: 268991
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 4.2 2.3 6.9

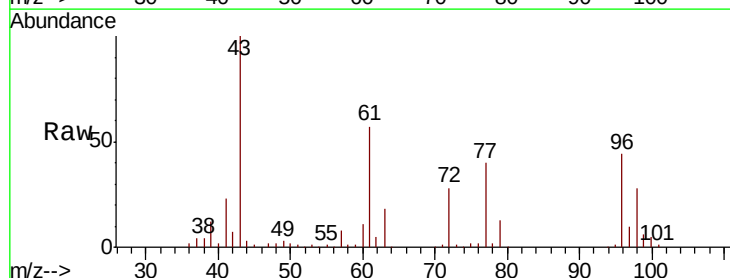


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

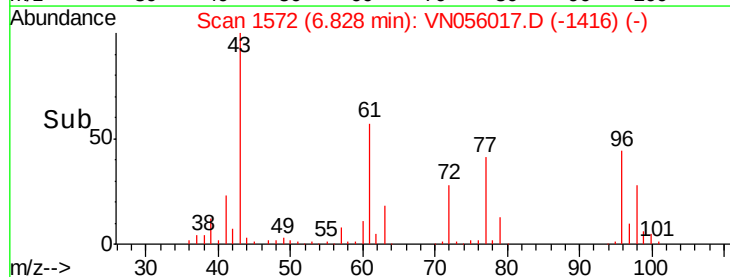
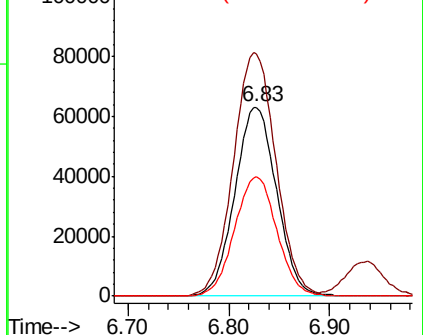


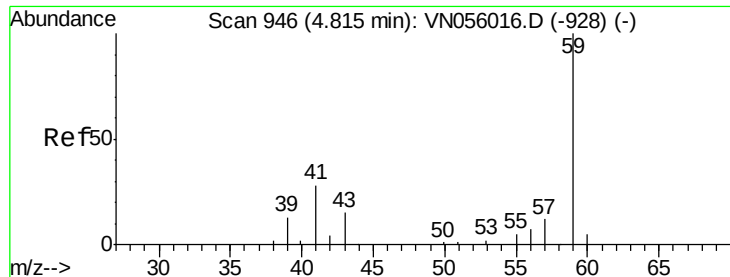
#22
 cis-1,2-Dichloroethene
 Concen: 49.236 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion: 96 Resp: 181481
 Ion Ratio Lower Upper
 96 100
 61 131.1 105.7 158.5
 98 64.1 52.0 78.0



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



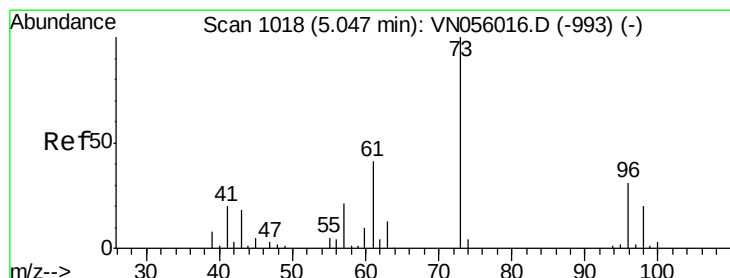
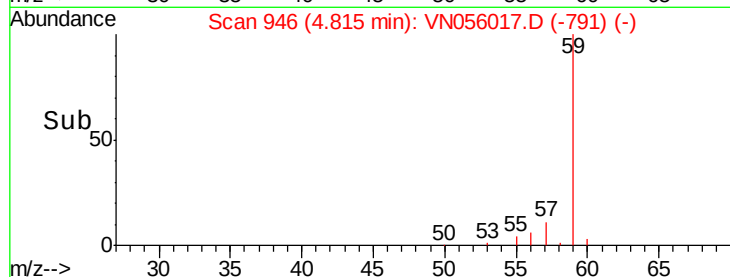
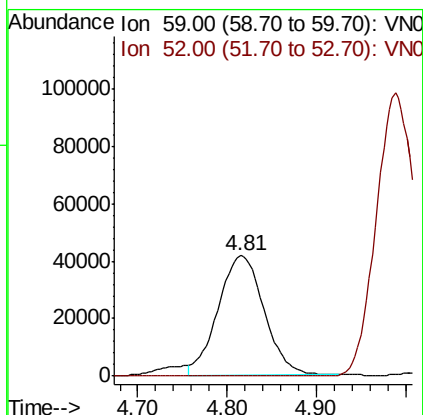
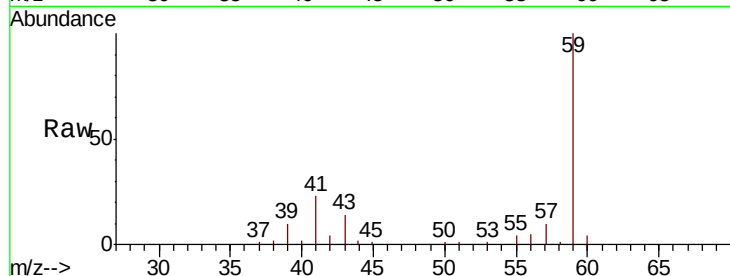


#23

tert-Butyl Alcohol
Concen: 216.214 ug/l
RT: 4.81 min Scan# 946
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

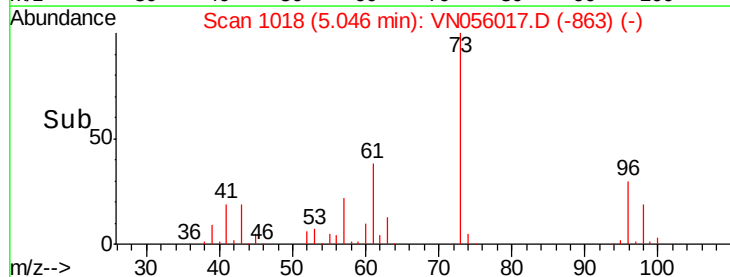
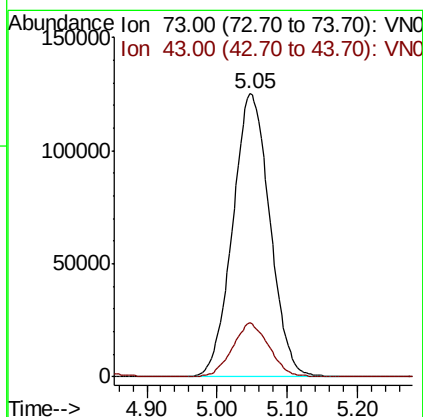
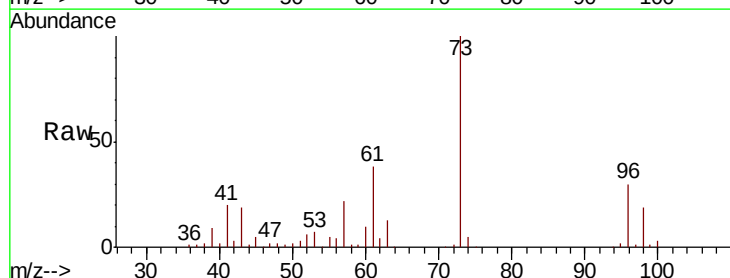
Tot Ion: 59 Resp: 149834
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

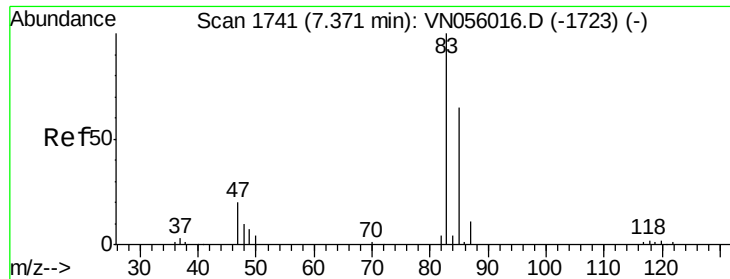


#24

Methyl tert-Butyl Ether
Concen: 46.839 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion: 73 Resp: 461006
Ion Ratio Lower Upper
73 100
43 18.4 15.4 23.0

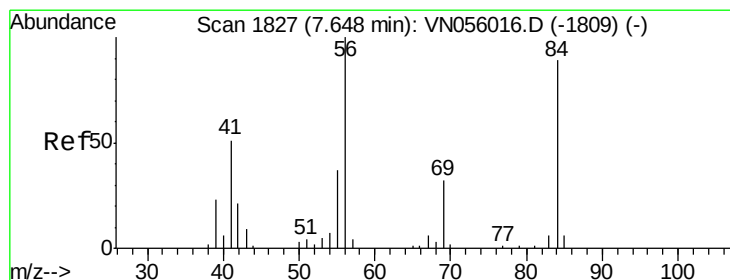
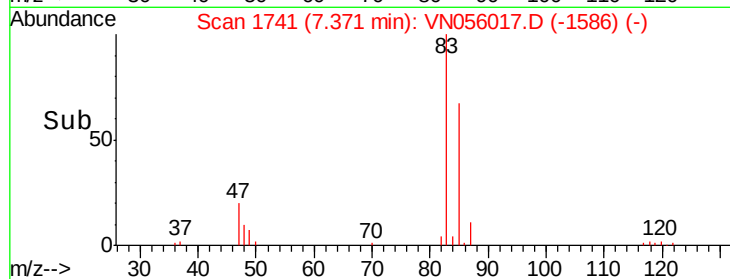
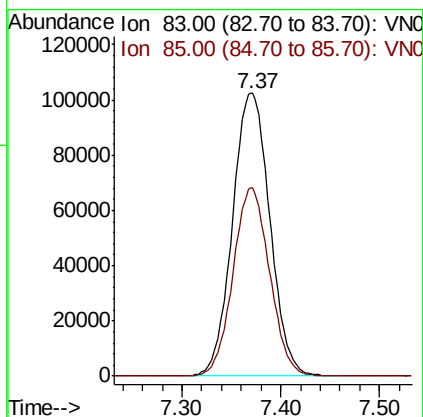
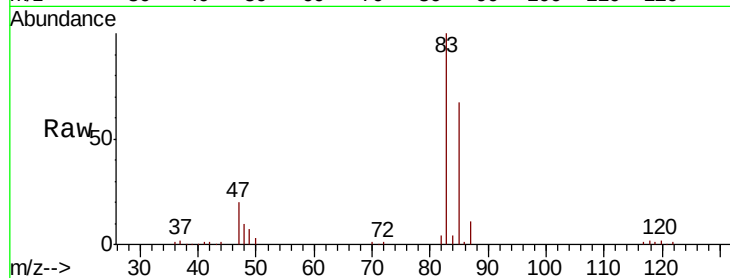




#25
Chloroform
Concen: 47.480 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

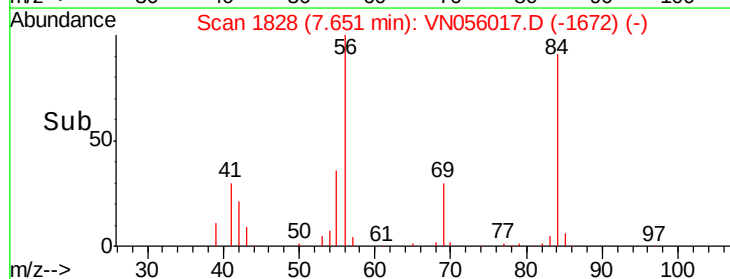
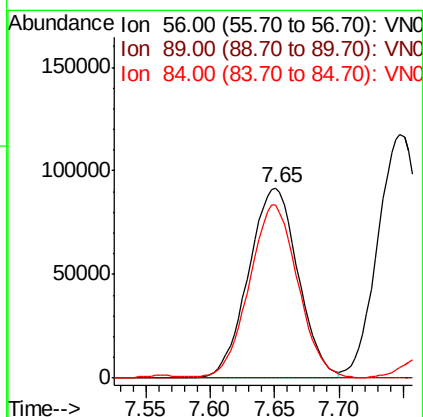
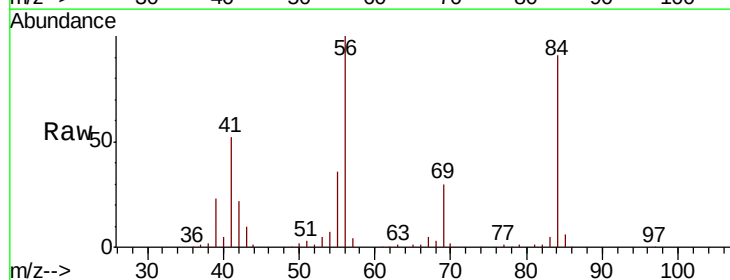
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

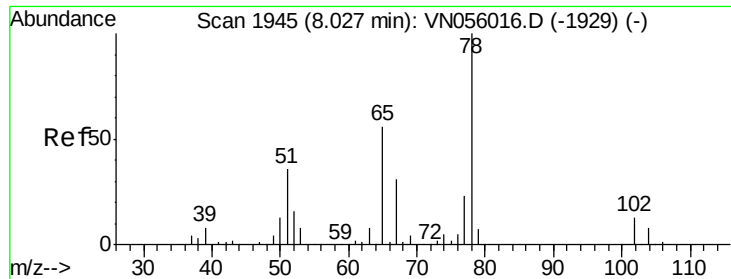
Tot Ion: 83 Resp: 269776
Ion Ratio Lower Upper
83 100
85 66.7 52.0 78.0



#26
Cyclohexane
Concen: 46.321 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion: 56 Resp: 245680
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 89.4 70.1 105.1

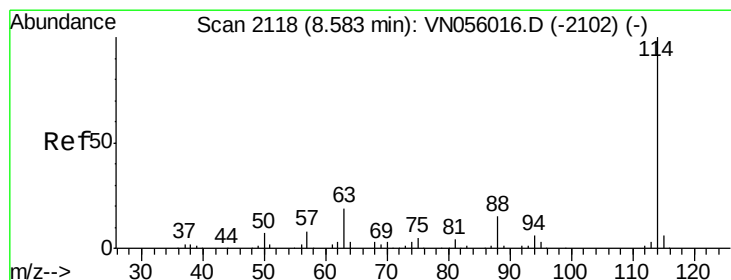
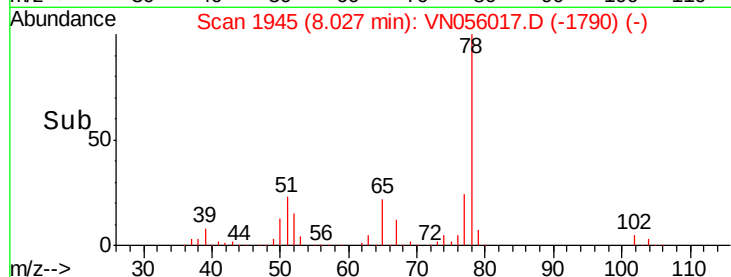
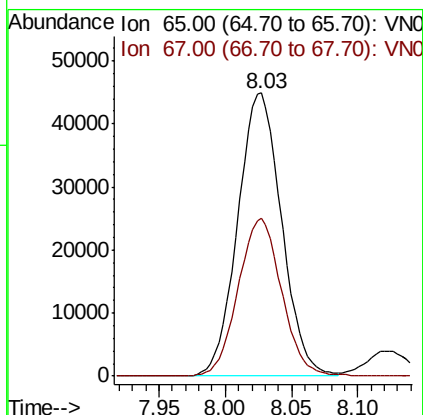
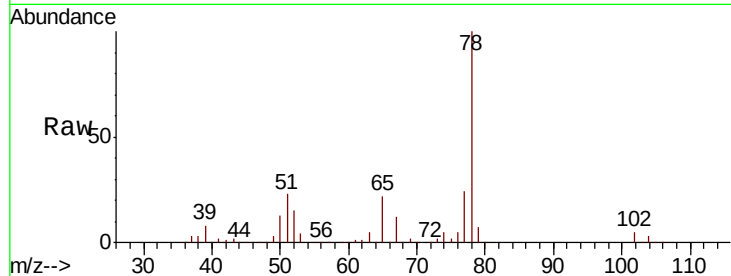




#27
 1,2-Dichloroethane-d4
 Concen: 28.476 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

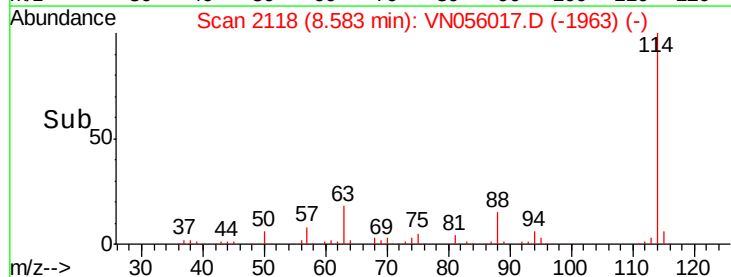
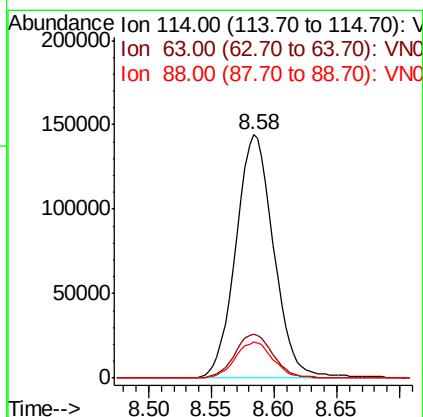
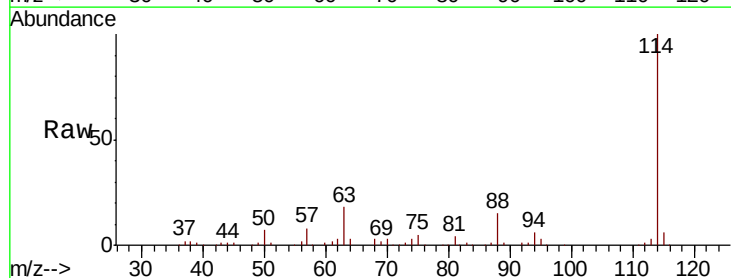
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

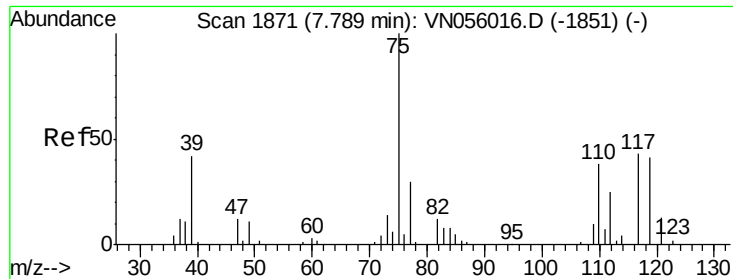
Tot Ion: 65 Resp: 103156
 Ion Ratio Lower Upper
 65 100
 67 55.1 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion: 114 Resp: 302412
 Ion Ratio Lower Upper
 114 100
 63 18.4 14.7 22.1
 88 14.9 11.9 17.9

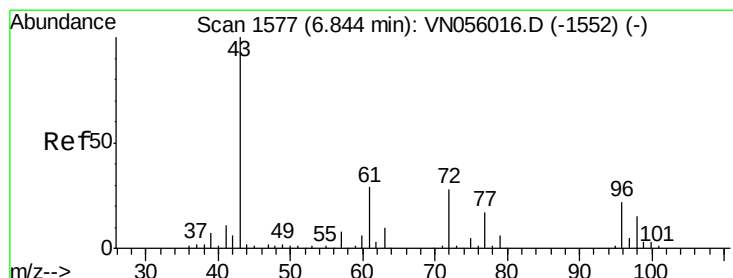
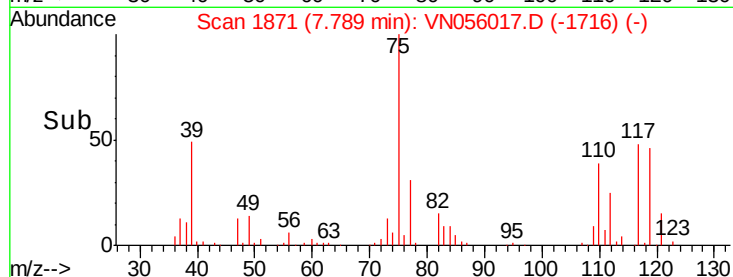
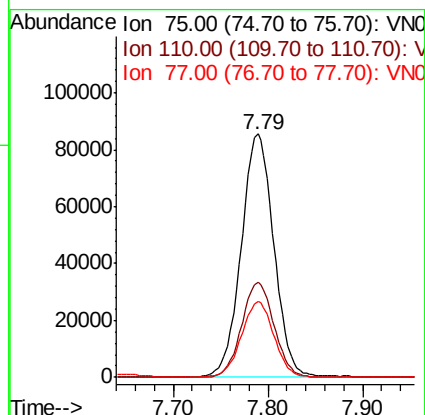
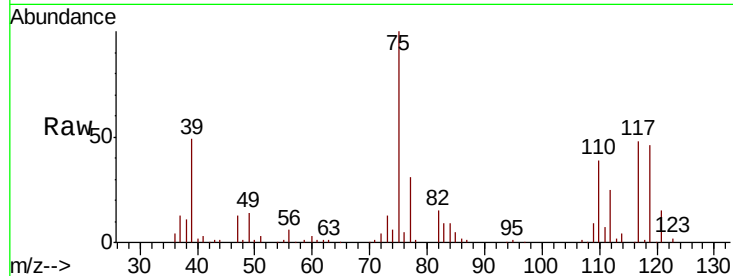




#29
 1,1-Dichloropropene
 Concen: 49.054 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

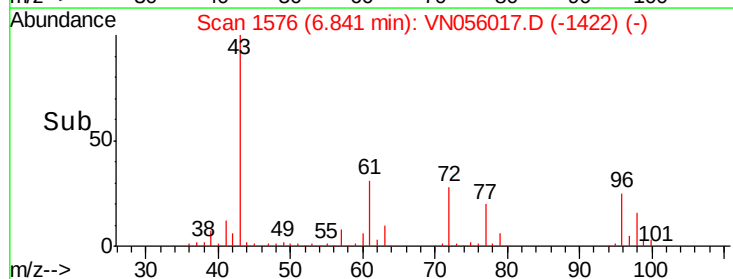
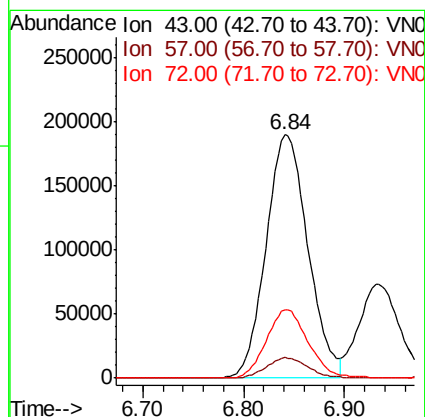
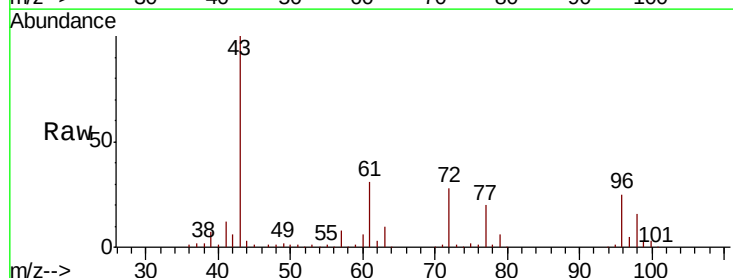
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

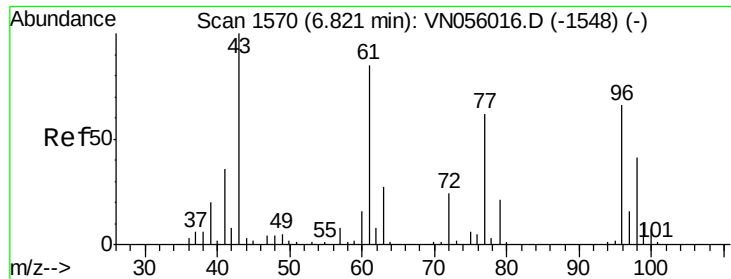
Tot Ion	75	Resp	205432
Ion Ratio	Lower	Upper	
75	100		
110	38.6	0.0	77.0
77	31.1	0.0	62.4



#30
 2-Butanone
 Concen: 246.241 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion	43	Resp	547919
Ion Ratio	Lower	Upper	
43	100		
57	8.5	6.7	10.1
72	28.2	22.4	33.6

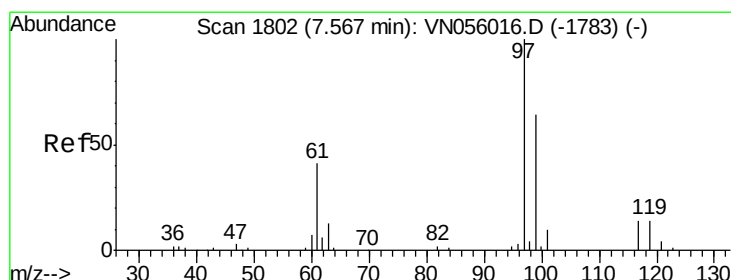
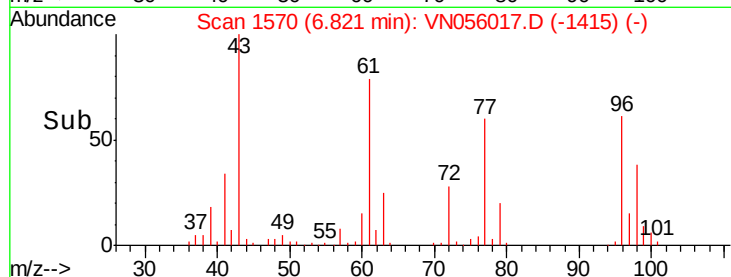
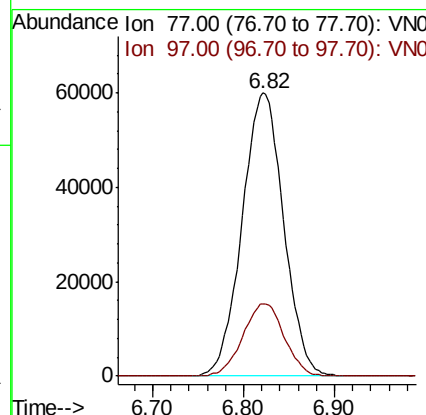
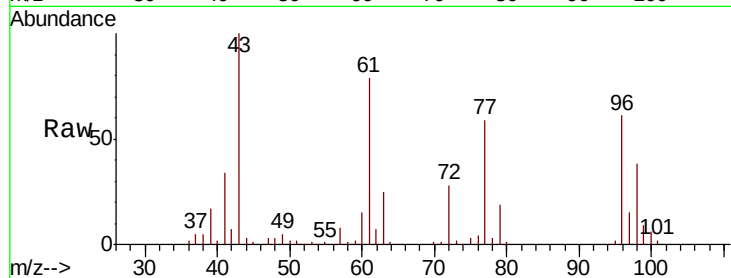




#31
 2,2-Dichloropropane
 Concen: 40.780 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

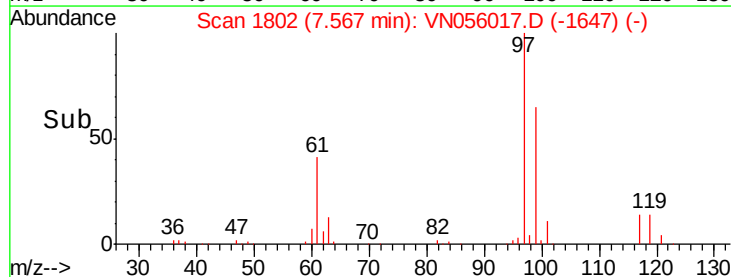
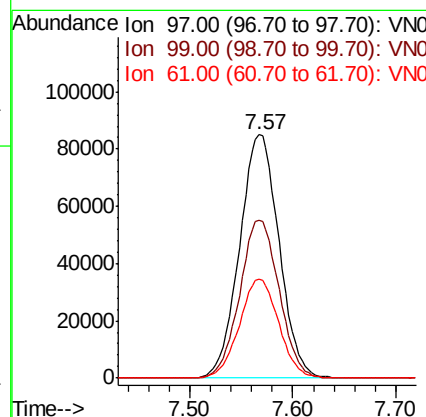
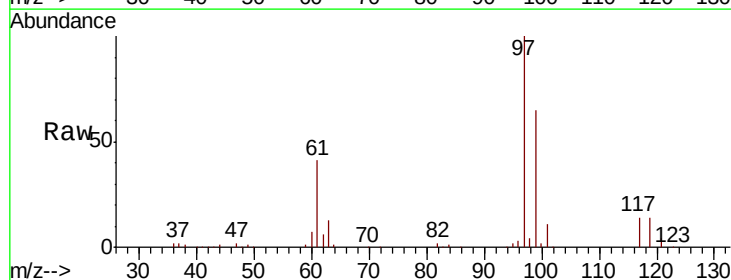
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

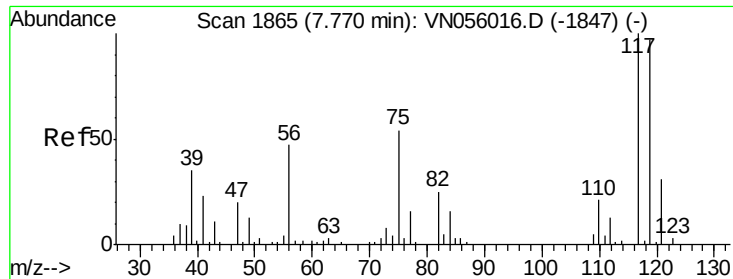
Tot Ion: 77 Resp: 189929
 Ion Ratio Lower Upper
 77 100
 97 25.5 20.8 31.2



#32
 1,1,1-Trichloroethane
 Concen: 46.248 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion: 97 Resp: 226312
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.5 77.3
 61 40.7 32.9 49.3

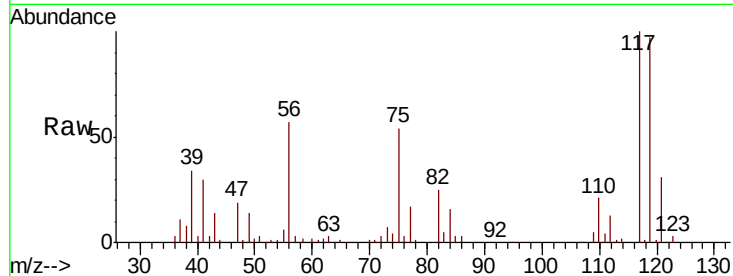




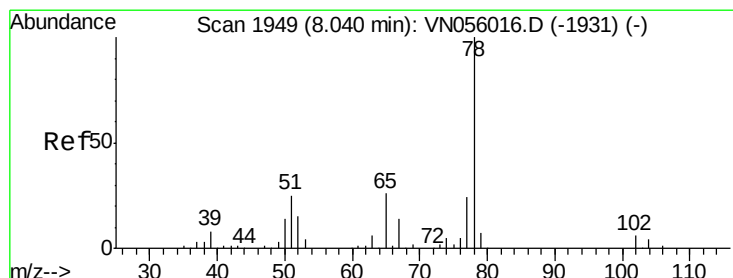
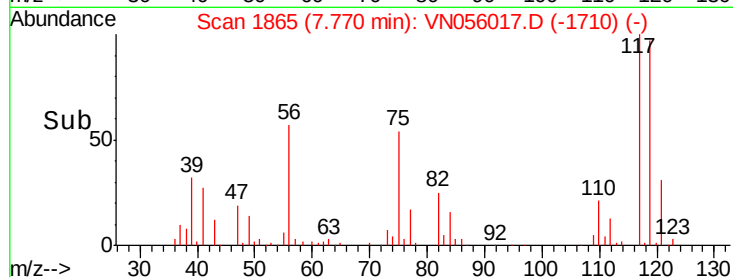
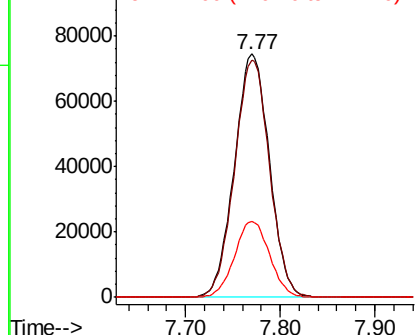
#33
Carbon Tetrachloride
Concen: 44.420 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:117 Resp: 191708
Ion Ratio Lower Upper
117 100
119 97.3 77.3 115.9
121 31.0 25.0 37.4

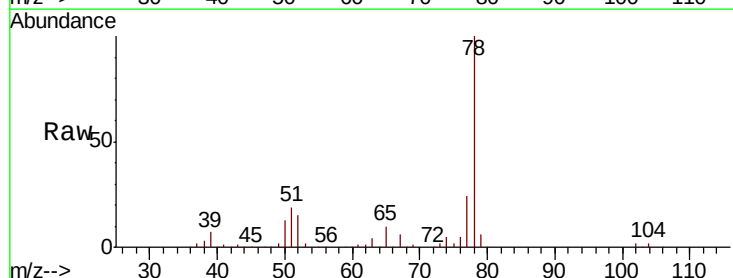


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

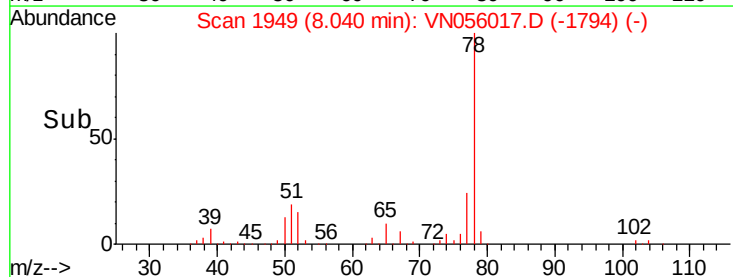
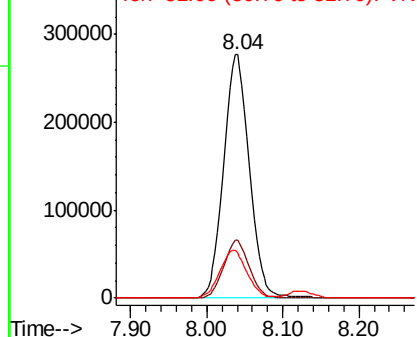


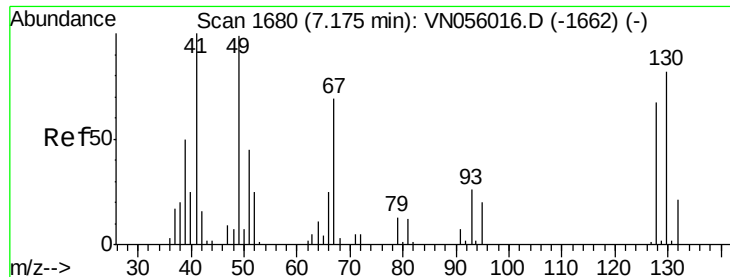
#34
Benzene
Concen: 50.302 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion: 78 Resp: 655144
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9
51 18.6 19.8 29.8#



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

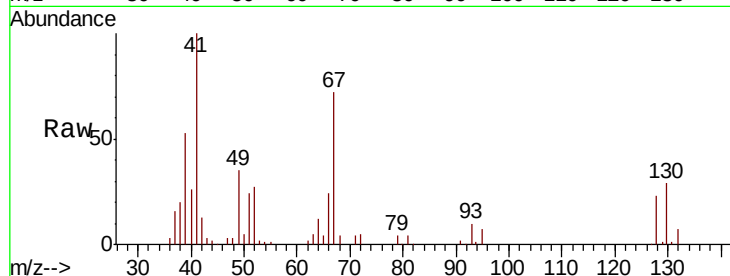




#35
Methacrylonitrile
Concen: 47.003 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:	41	Resp:	97464
Ion	Ratio	Lower	Upper
41	100		
39	53.4	24.8	74.3
67	72.2	34.3	102.9
52	26.5	12.6	37.8



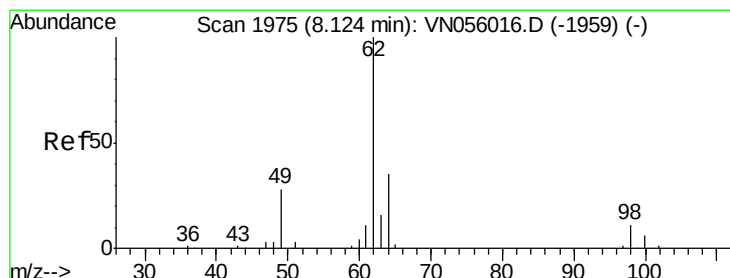
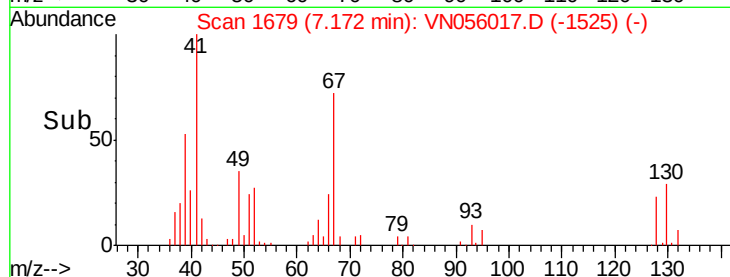
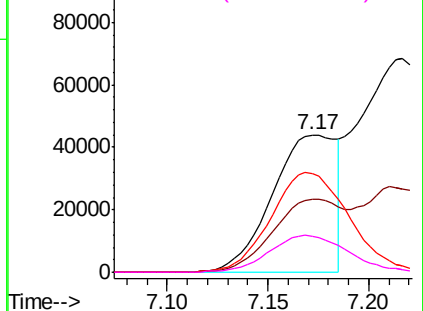
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

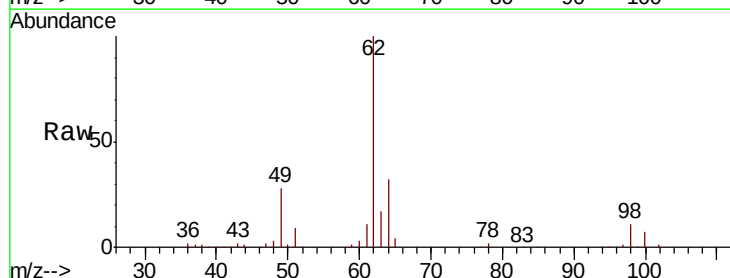
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 48.258 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

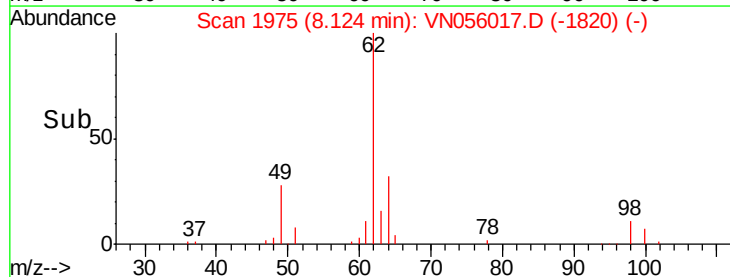
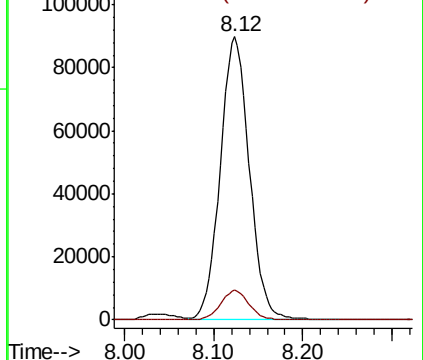
Tgt Ion:	62	Resp:	203252
Ion	Ratio	Lower	Upper
62	100		
98	10.2	8.6	13.0

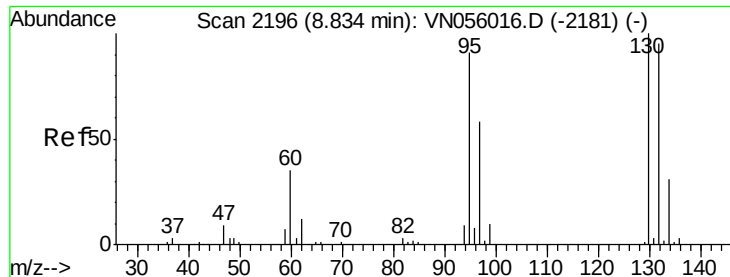


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

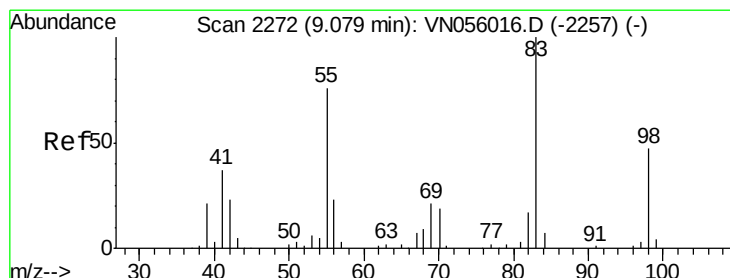
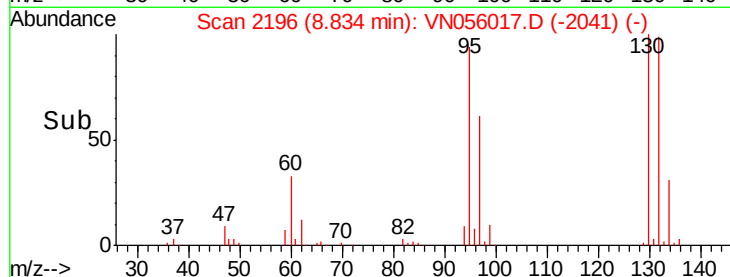
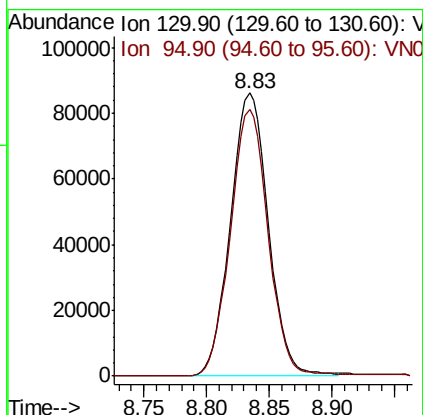
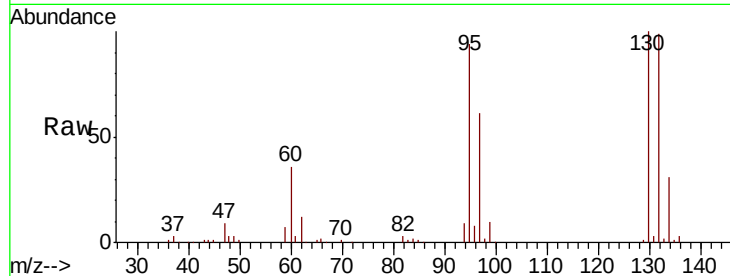




#37
 Trichloroethene
 Concen: 49.684 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

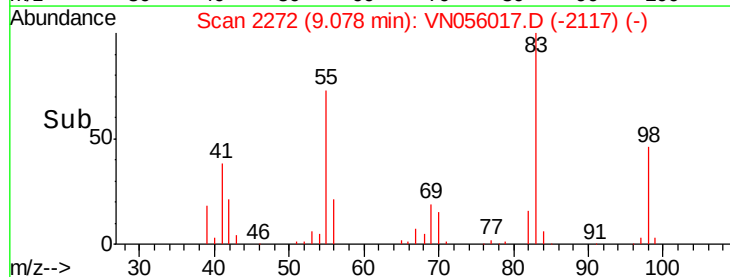
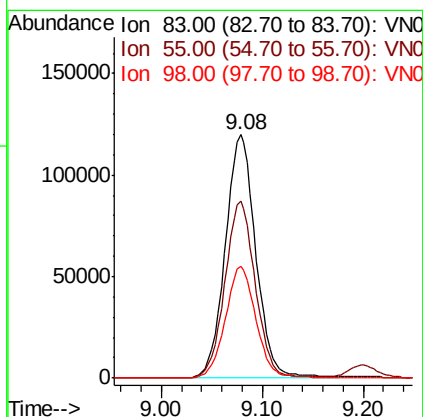
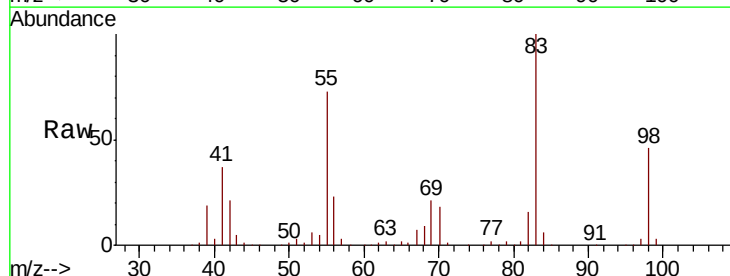
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

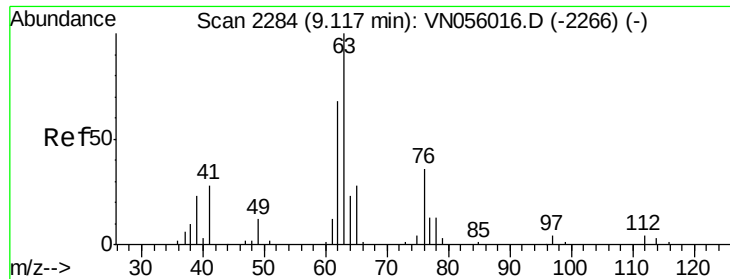
Tot Ion:130 Resp: 181076
 Ion Ratio Lower Upper
 130 100
 95 94.0 73.0 109.6



#38
 Methylcyclohexane
 Concen: 47.718 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion: 83 Resp: 253104
 Ion Ratio Lower Upper
 83 100
 55 72.6 37.5 112.7
 98 45.8 23.1 69.3





#39

1,2-Dichloropropane

Concen: 48.036 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

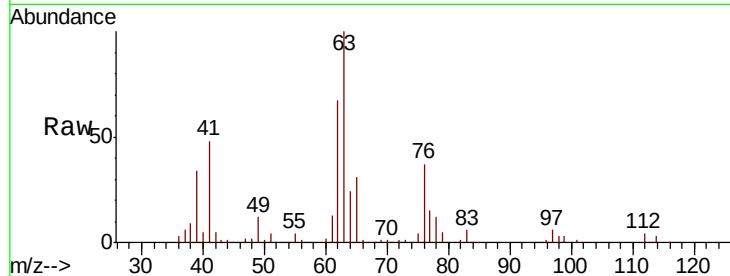
VSTDIC050

Tot Ion: 63 Resp: 166758

Ion Ratio Lower Upper

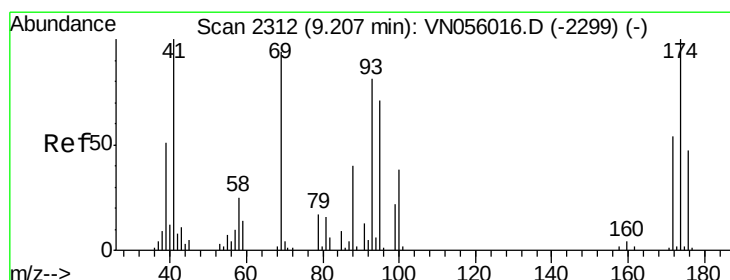
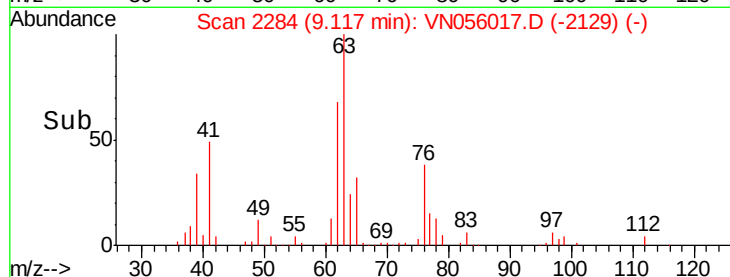
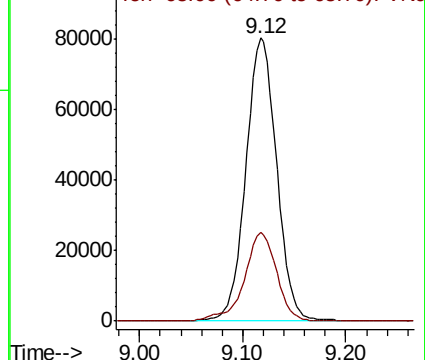
63 100

65 31.3 23.1 34.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 48.877 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

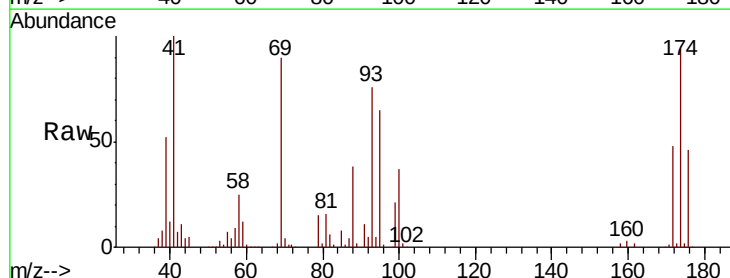
Tgt Ion: 93 Resp: 110240

Ion Ratio Lower Upper

93 100

95 83.9 0.0 169.0

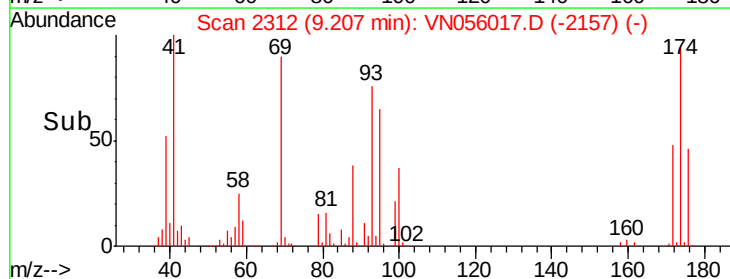
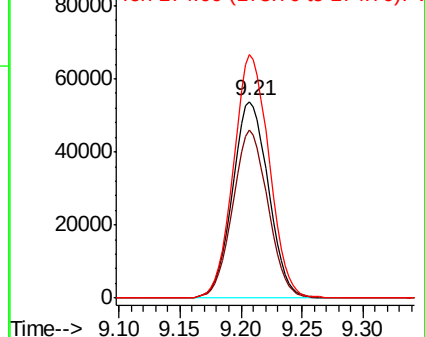
174 122.5 0.0 246.4

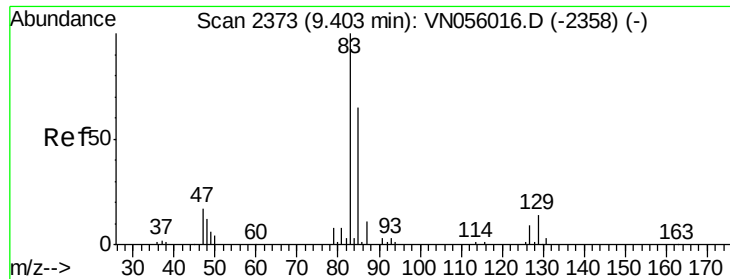


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

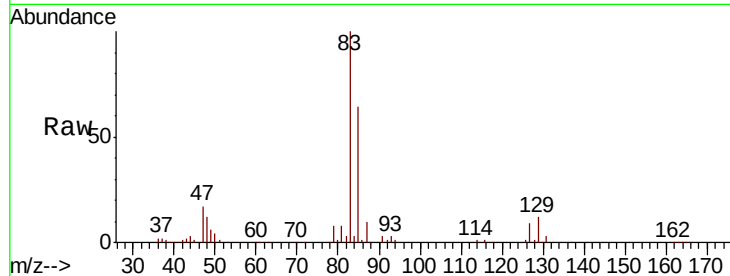




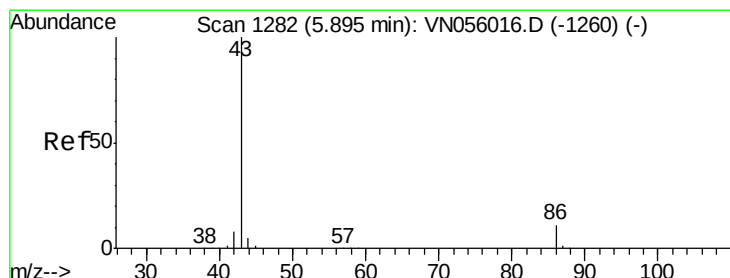
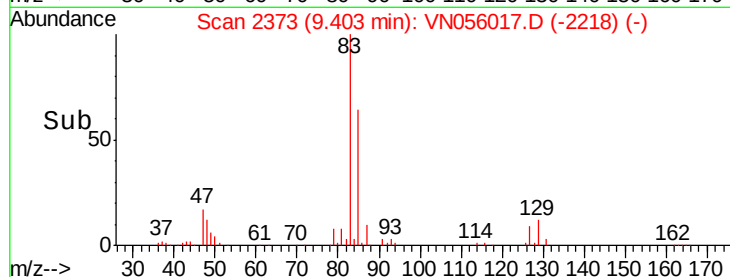
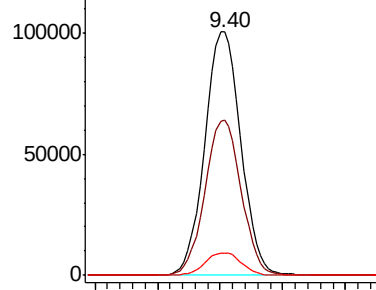
#41
 Bromodichloromethane
 Concen: 44.987 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	83	Resp	201206
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.8	77.6
127	9.3	7.3	10.9

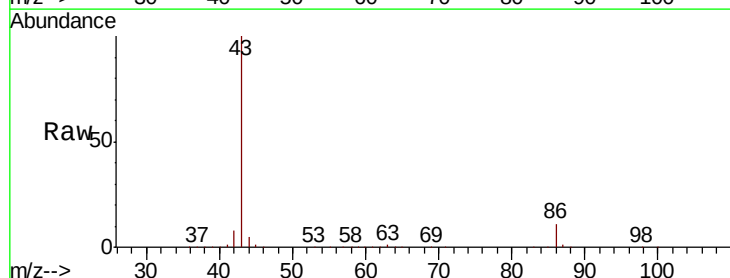


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

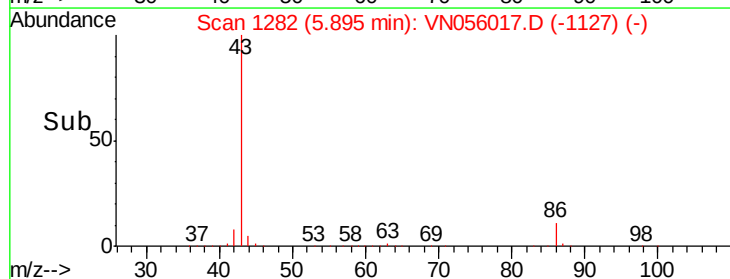
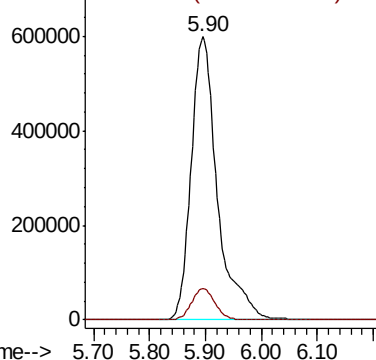


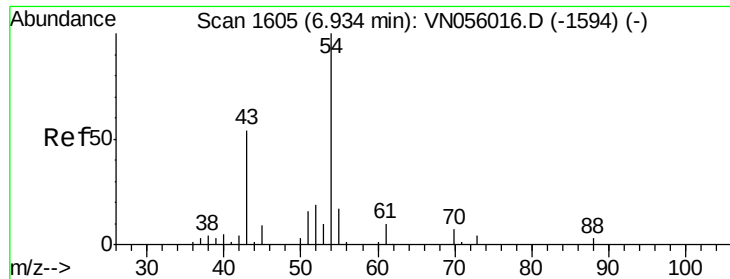
#42
 Vinyl Acetate
 Concen: 230.902 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion	43	Resp	1959068
Ion Ratio	Lower	Upper	
43	100		
86	10.0	7.9	11.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 47.492 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

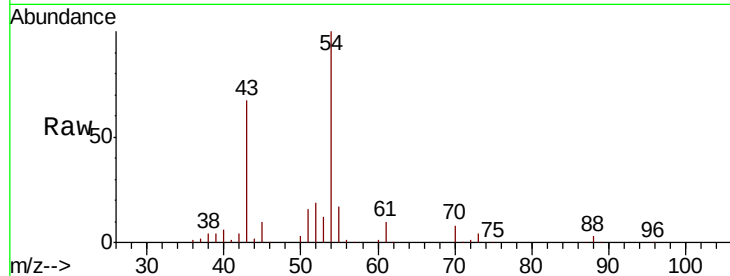
VSTDIC050

Tot Ion: 43 Resp: 206166

Ion Ratio Lower Upper

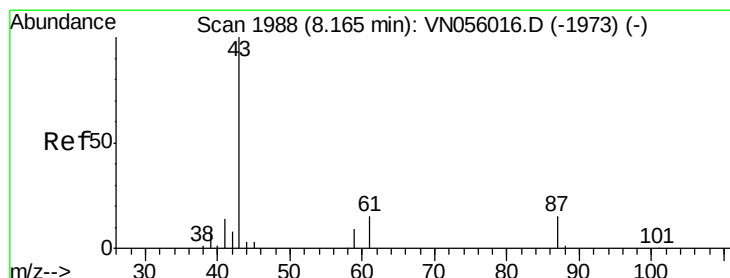
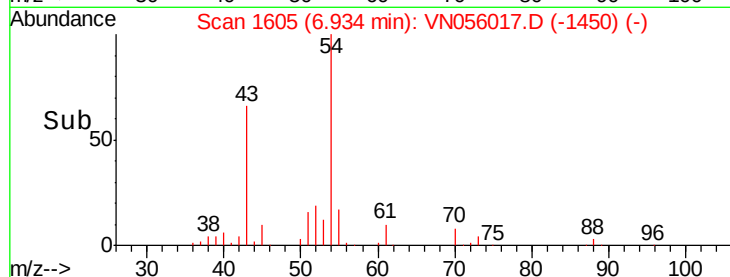
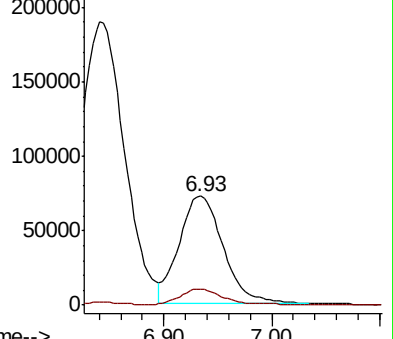
43 100

45 15.6 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 45.558 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056017.D

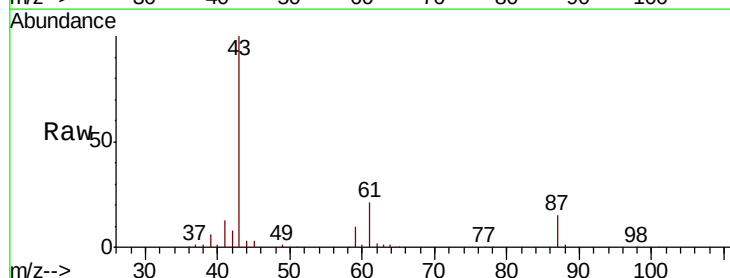
Acq: 5 Jun 2019 19:43

Tgt Ion: 43 Resp: 323183

Ion Ratio Lower Upper

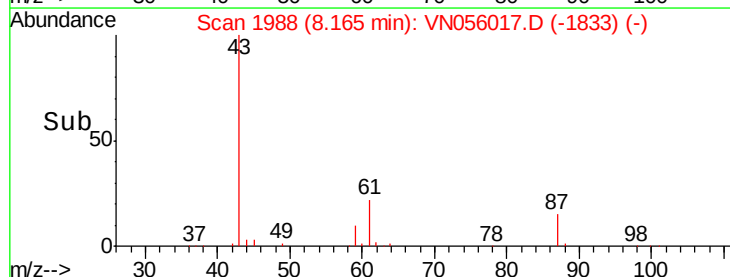
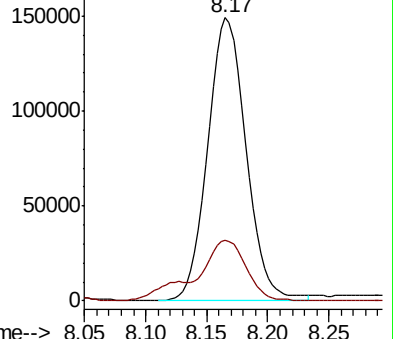
43 100

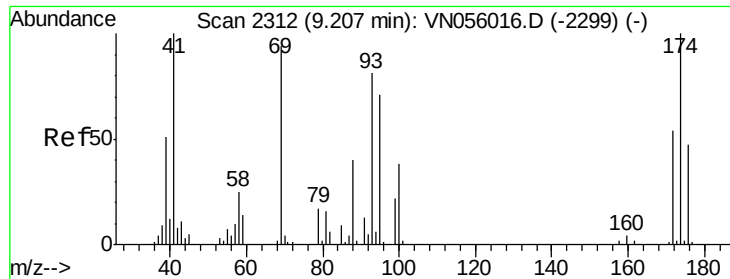
61 21.8 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

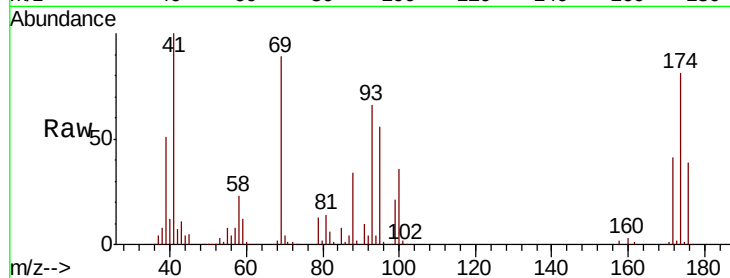




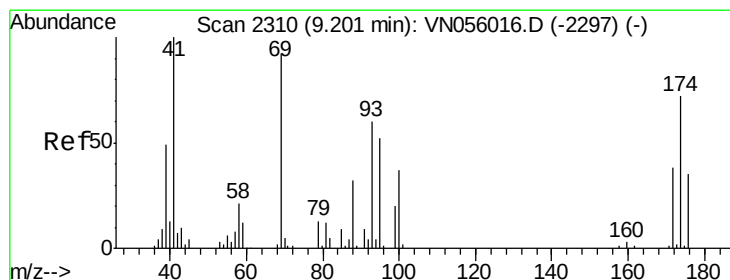
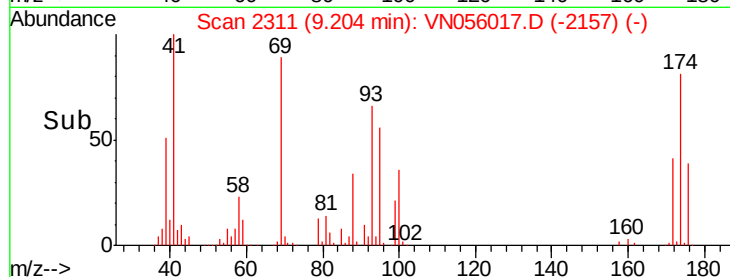
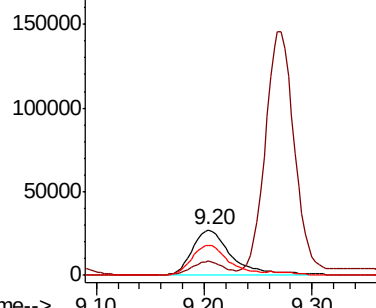
#45
1,4-Dioxane
Concen: 1005.959 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 88 Resp: 69238
Ion Ratio Lower Upper
88 100
43 23.9 19.8 29.6
58 61.8 48.5 72.7

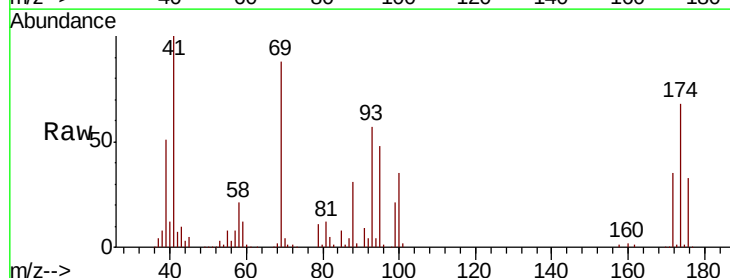


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

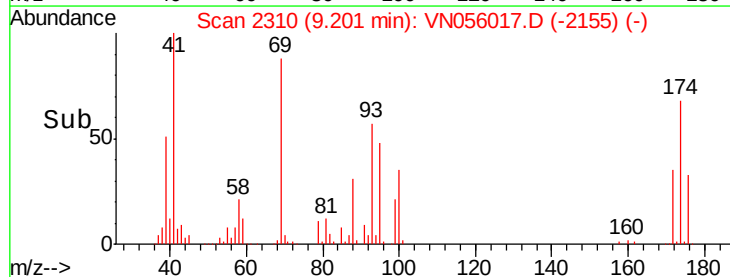
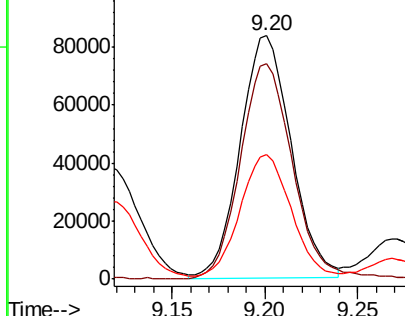


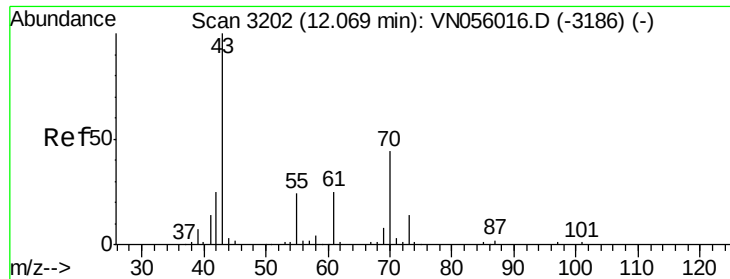
#46
Methyl methacrylate
Concen: 48.127 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion: 41 Resp: 159777
Ion Ratio Lower Upper
41 100
69 89.6 46.0 137.8
39 50.7 24.6 73.8



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





#47

n-amyl Acetate

Concen: 46.596 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

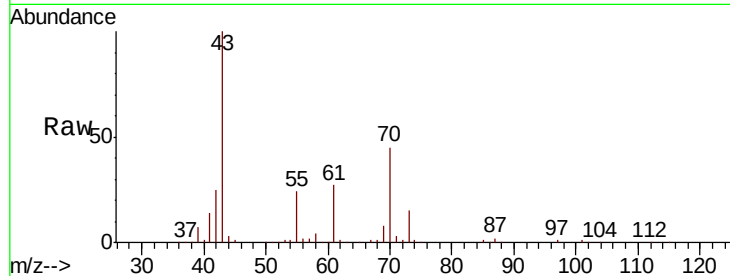
VSTDIC050

Tot Ion: 43 Resp: 272512

Ion Ratio Lower Upper

43 100

55 24.1 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

200000

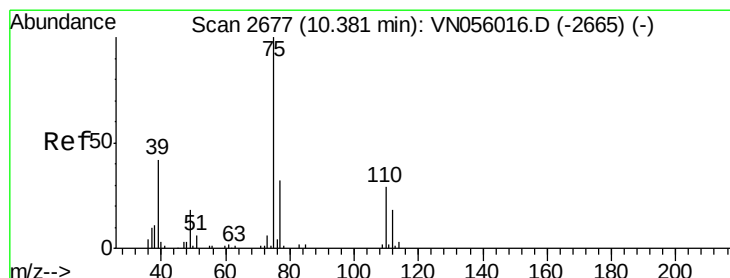
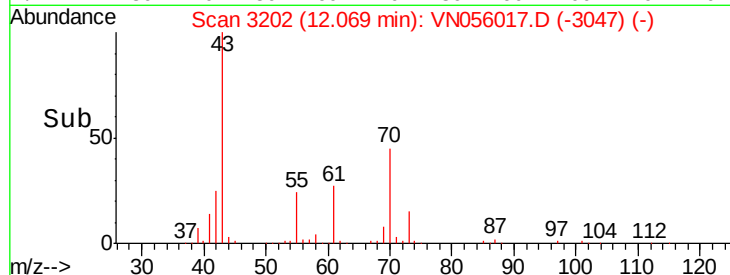
150000

100000

50000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 44.038 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056017.D

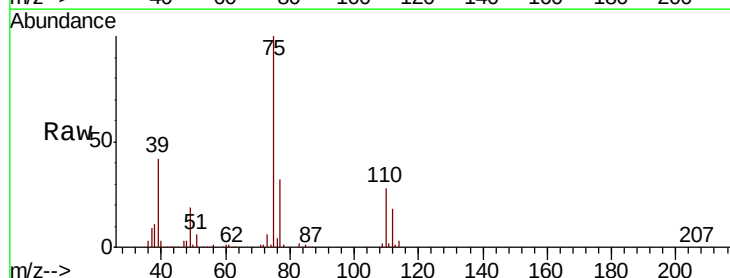
Acq: 5 Jun 2019 19:43

Tgt Ion: 75 Resp: 215008

Ion Ratio Lower Upper

75 100

77 31.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

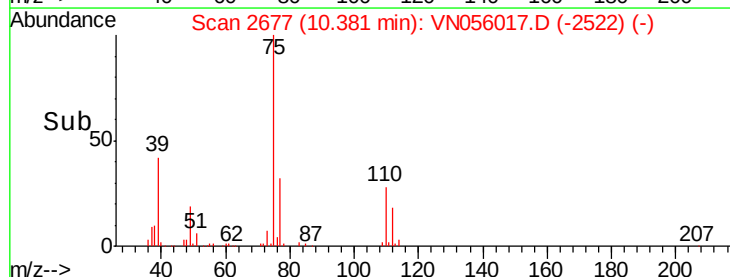
10.38

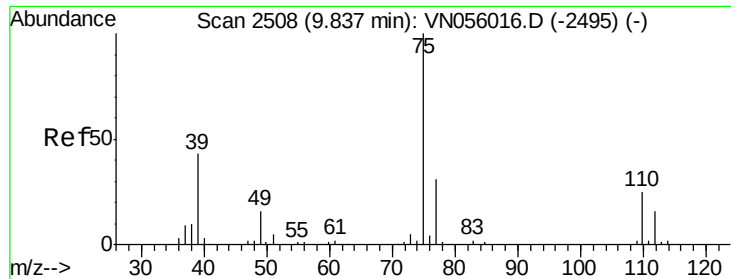
100000

50000

0

Time-->



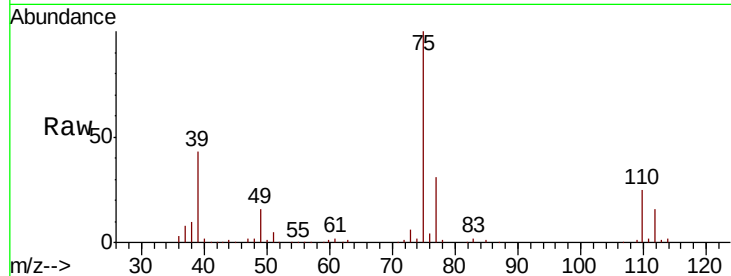


#49

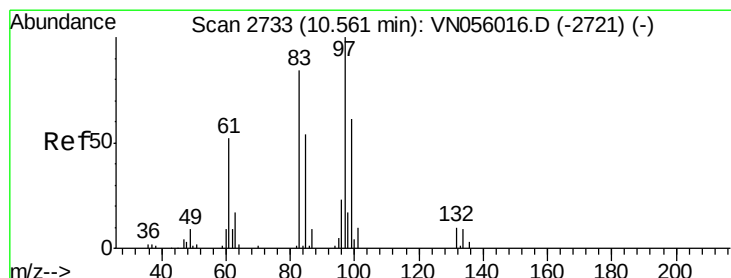
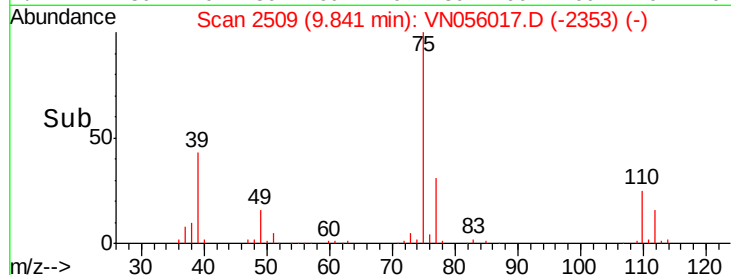
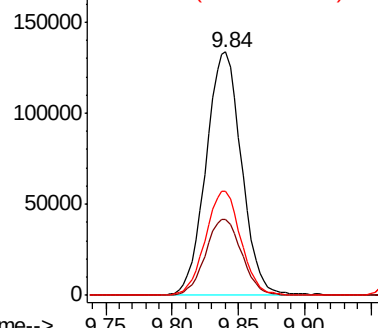
cis-1,3-Dichloropropene
 Concen: 45.869 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 75 Resp: 248874
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.1 37.7
 39 42.7 34.3 51.5



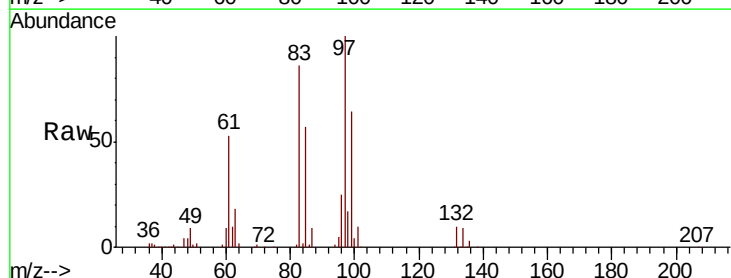
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



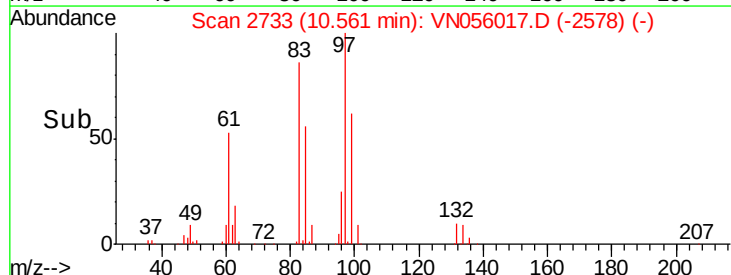
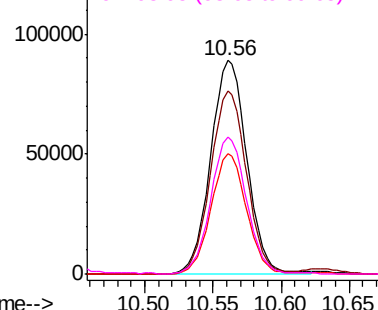
#50

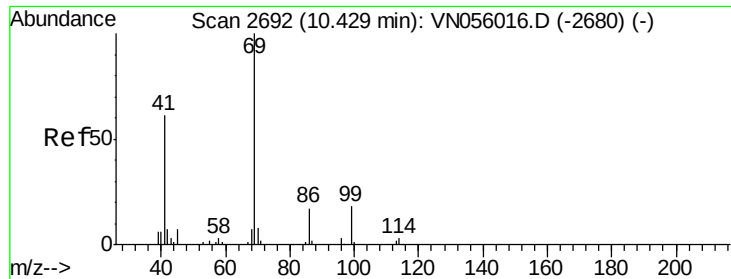
1,1,2-Trichloroethane
 Concen: 49.895 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion: 97 Resp: 163849
 Ion Ratio Lower Upper
 97 100
 83 85.9 66.9 100.3
 85 56.6 43.3 64.9
 99 63.9 48.6 73.0



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





#51

Ethyl methacrylate

Concen: 48.366 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

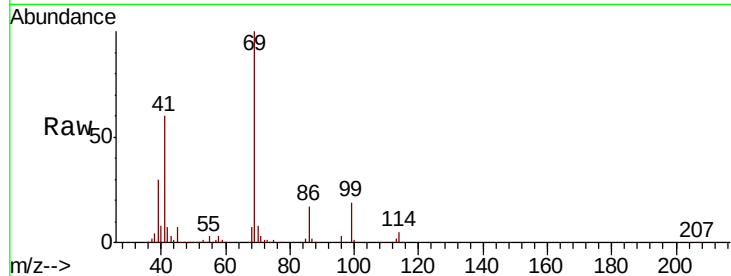
Tot Ion: 69 Resp: 251509

Ion Ratio Lower Upper

69 100

41 59.7 30.8 92.3

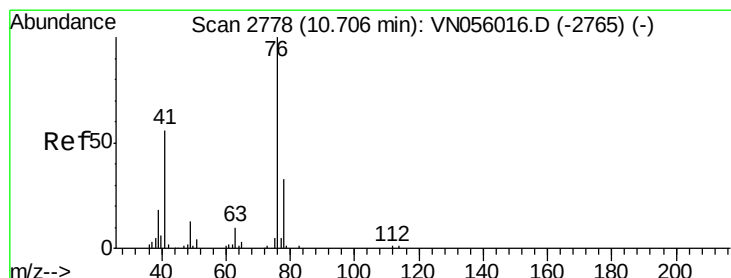
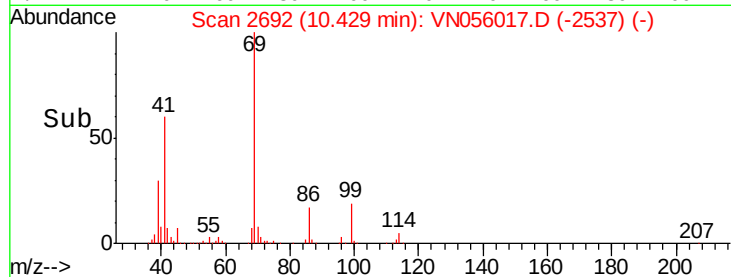
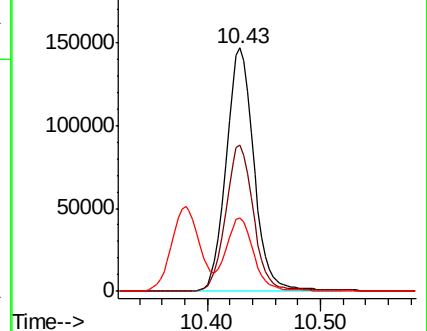
39 29.9 14.5 43.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 49.606 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056017.D

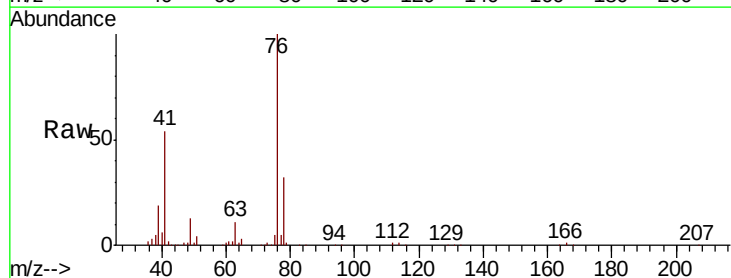
Acq: 5 Jun 2019 19:43

Tgt Ion: 76 Resp: 267600

Ion Ratio Lower Upper

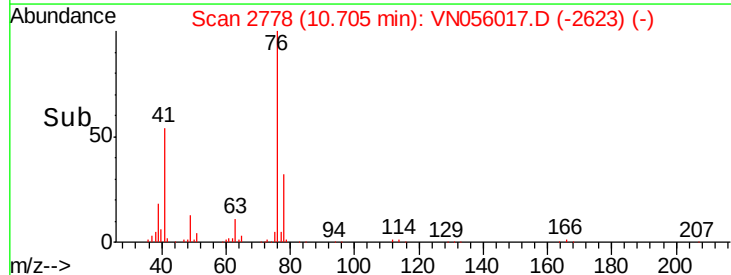
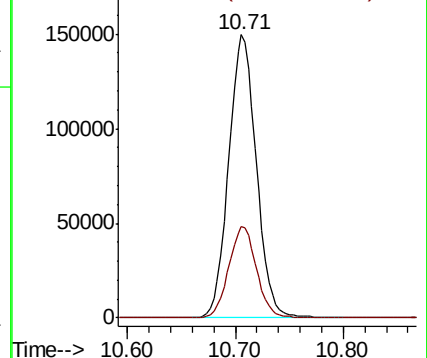
76 100

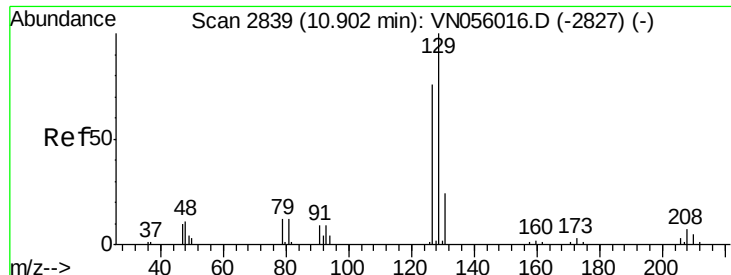
78 32.2 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

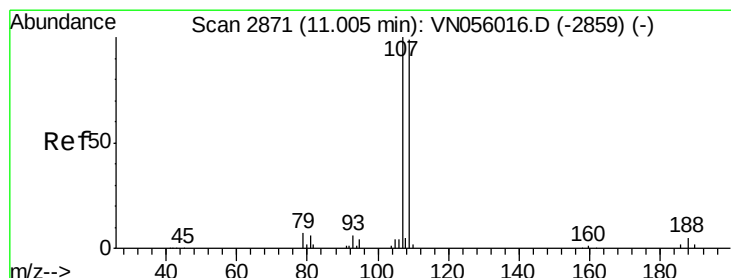
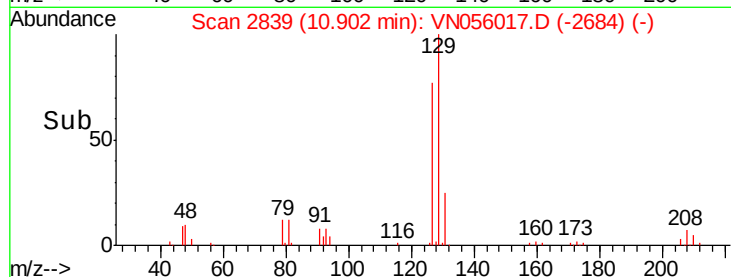
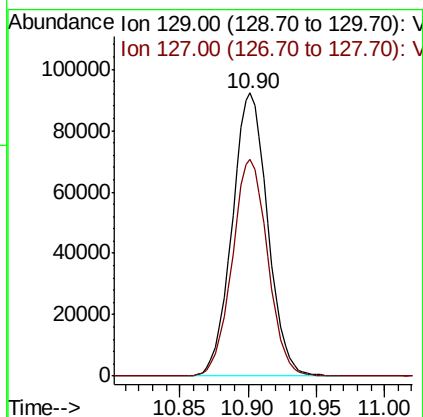
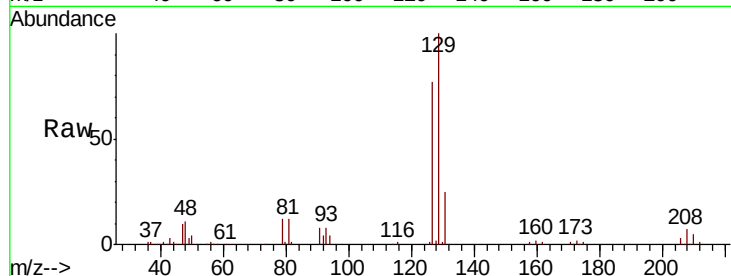




#53
Dibromochloromethane
Concen: 44.845 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

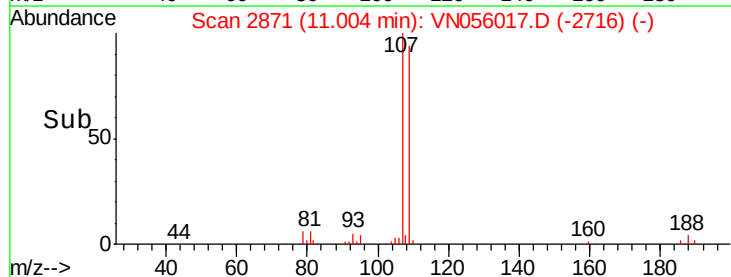
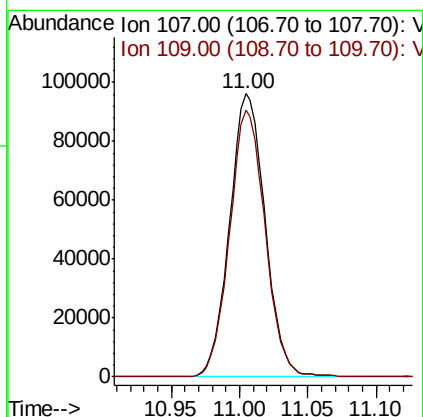
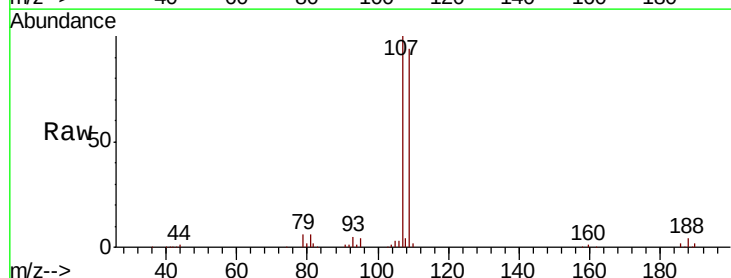
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

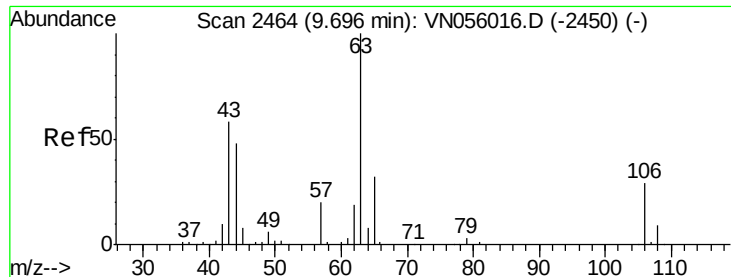
Tot Ion:129 Resp: 166531
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.5



#54
1,2-Dibromoethane
Concen: 51.189 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion:107 Resp: 173928
Ion Ratio Lower Upper
107 100
109 94.4 76.8 115.2

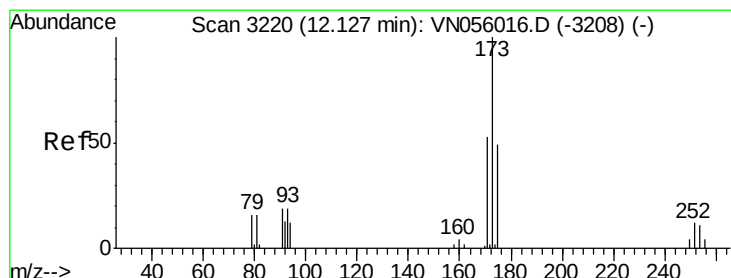
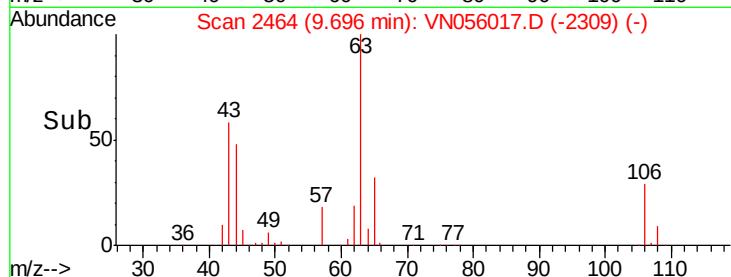
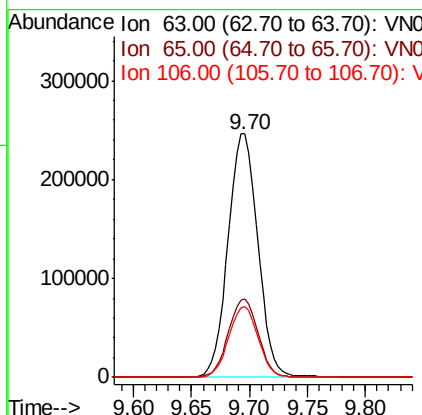
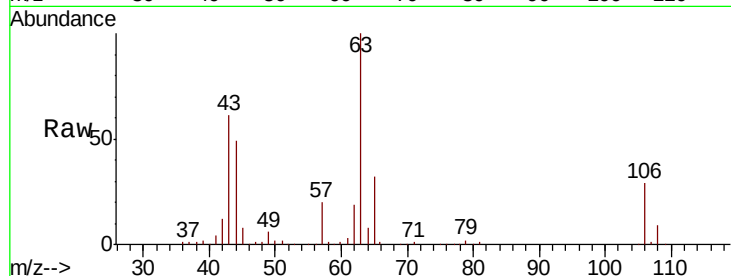




#55
2-Chloroethyl vinyl ether
Concen: 221.756 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

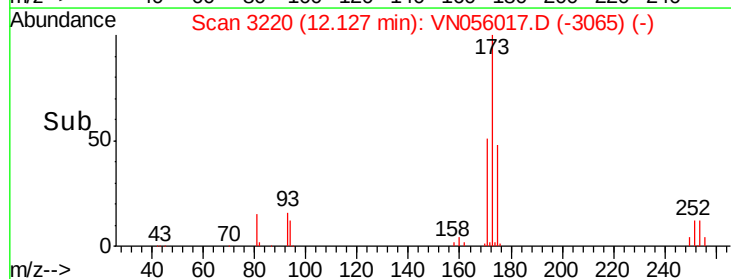
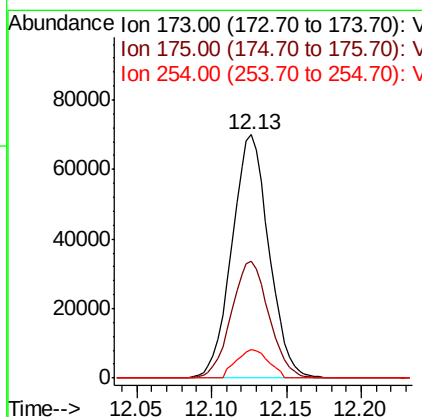
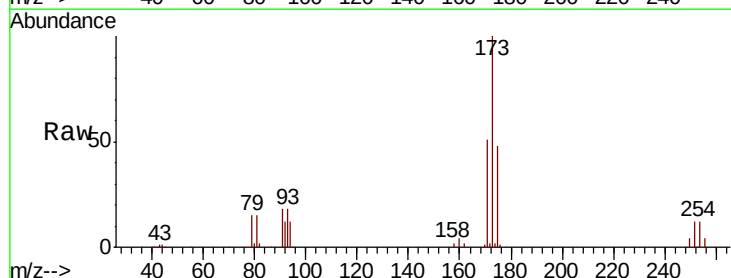
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

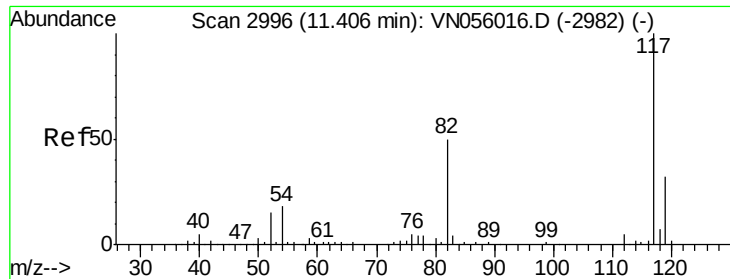
Tot Ion: 63 Resp: 440140
Ion Ratio Lower Upper
63 100
65 32.2 25.5 38.3
106 28.8 23.0 34.4



#56
Bromoform
Concen: 40.649 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion: 173 Resp: 120396
Ion Ratio Lower Upper
173 100
175 48.9 38.7 58.1
254 10.2 6.6 9.8#

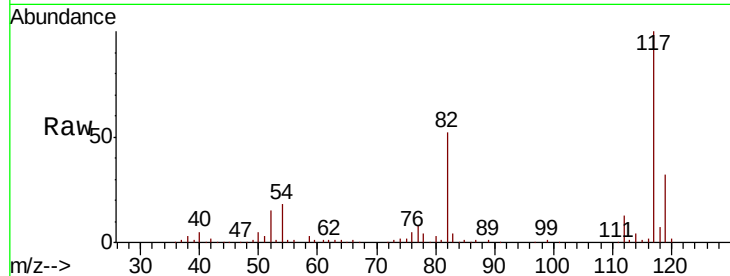




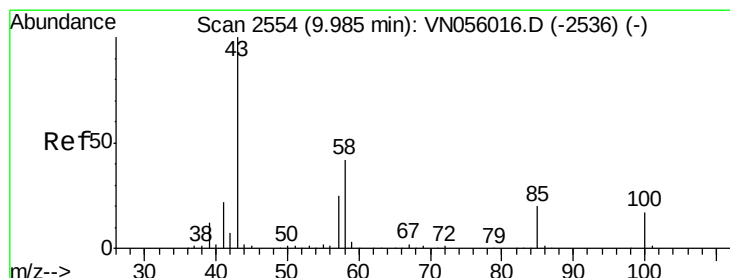
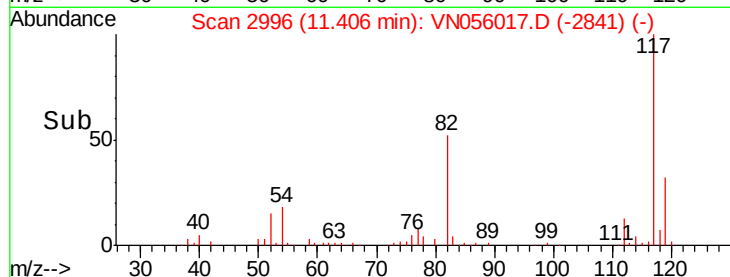
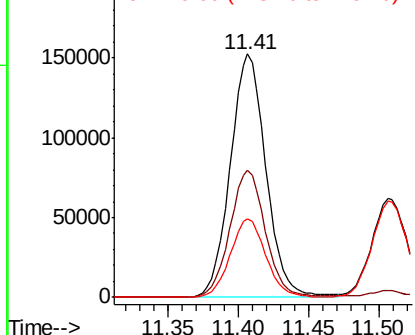
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:117 Resp: 270530
Ion Ratio Lower Upper
117 100
82 52.2 41.2 61.8
119 32.3 26.2 39.2

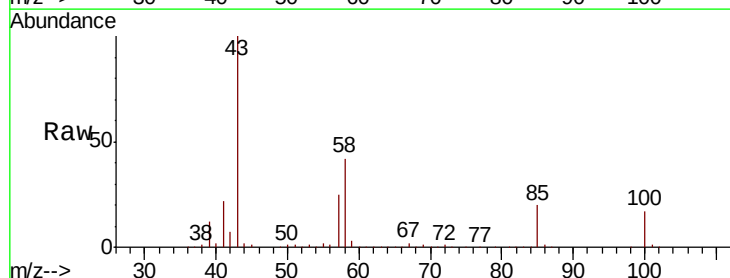


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

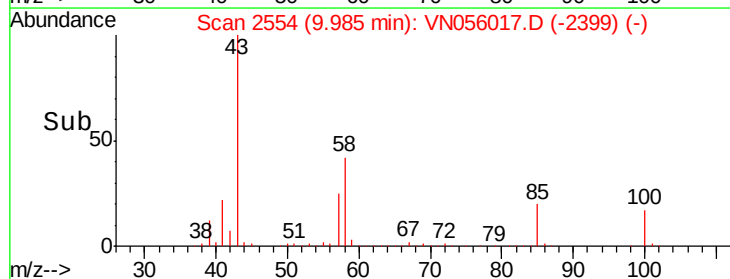
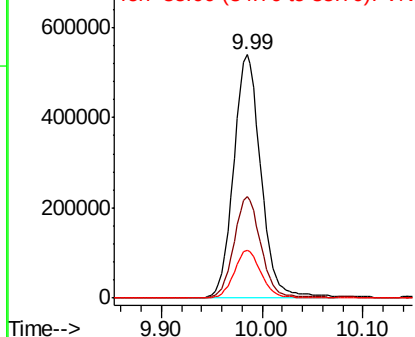


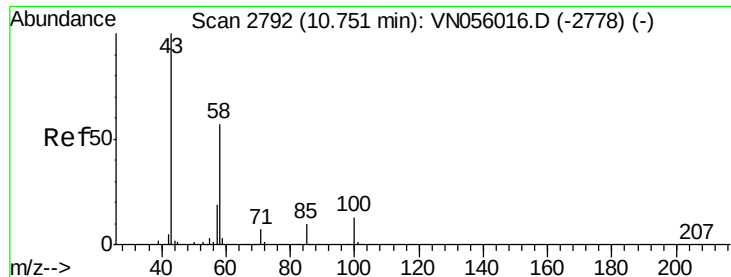
#58
4-Methyl-2-Pentanone
Concen: 231.846 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion: 43 Resp: 1013866
Ion Ratio Lower Upper
43 100
58 41.3 33.1 49.7
85 19.7 15.5 23.3



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

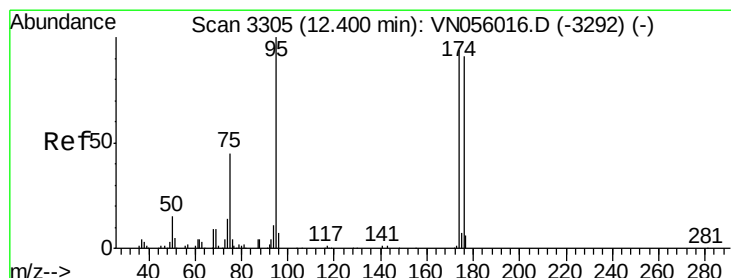
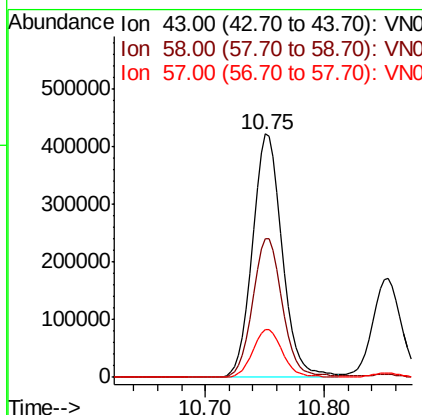
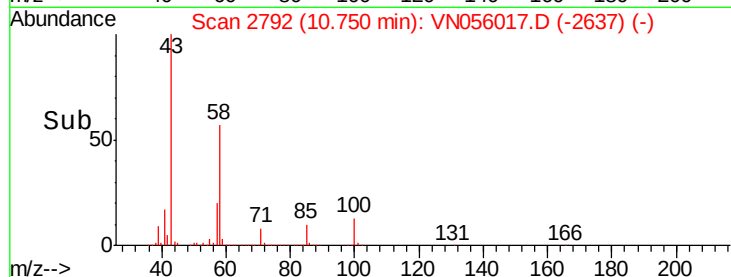
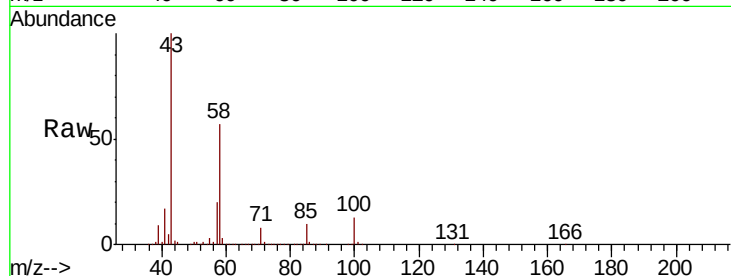




#59
2-Hexanone
Concen: 232.660 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

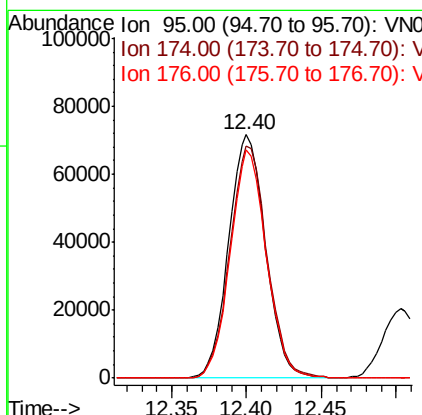
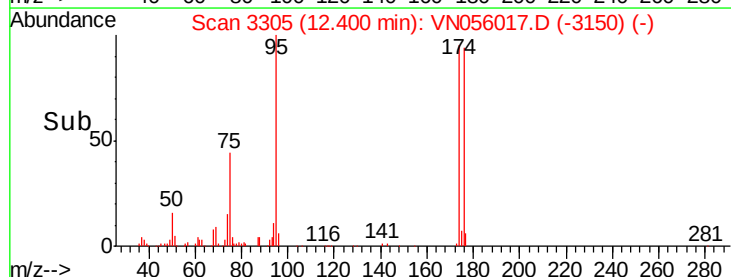
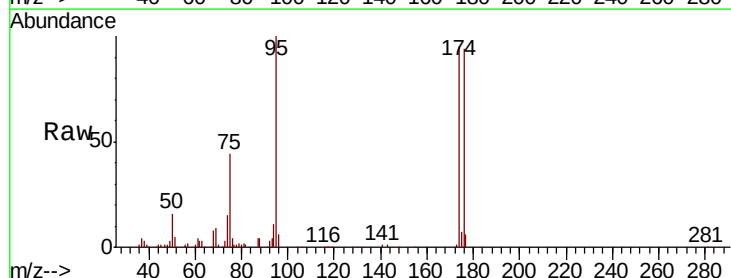
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

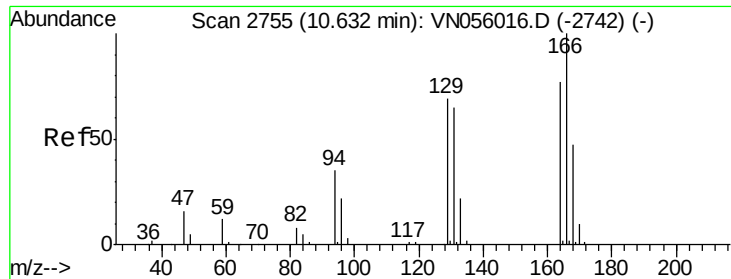
Tot Ion	Ratio	Lower	Upper
43	100		
58	57.6	45.3	67.9
57	19.7	15.6	23.4



#60
4-Bromofluorobenzene
Concen: 29.487 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.3	75.4	113.0
176	92.0	73.9	110.9

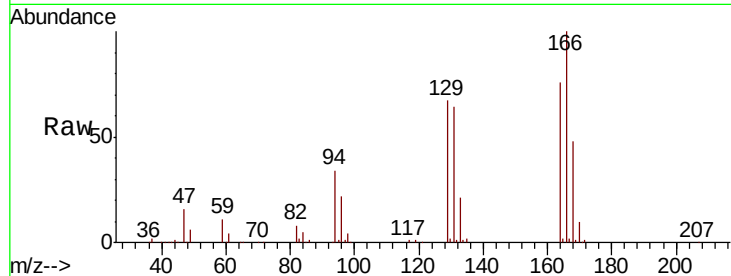




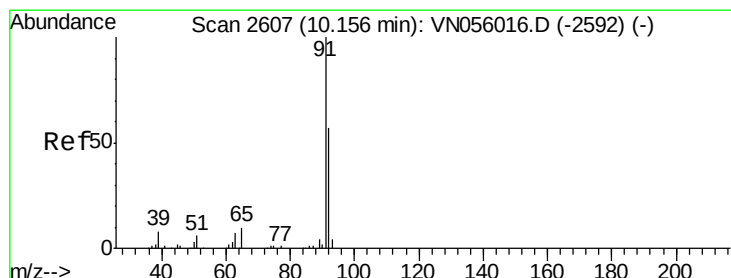
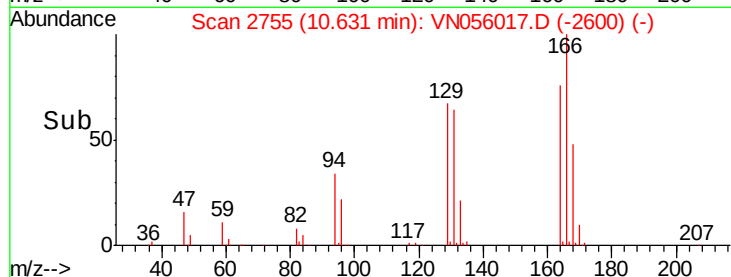
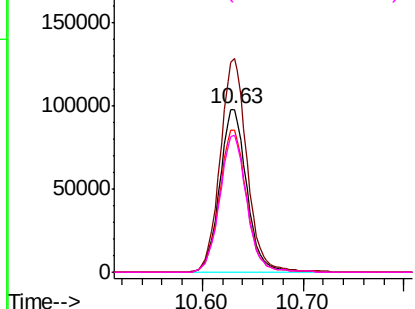
#61
Tetrachloroethene
Concen: 50.156 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.0	104.3	156.5
129	87.3	71.5	107.3
131	84.3	67.7	101.5

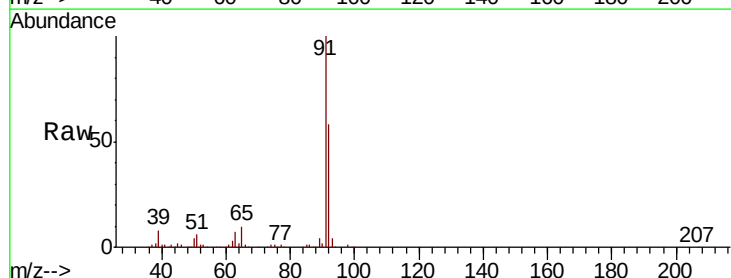


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

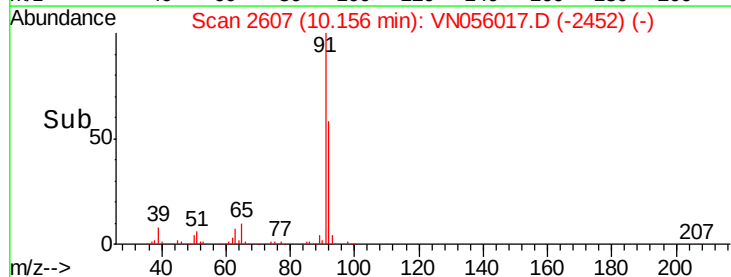
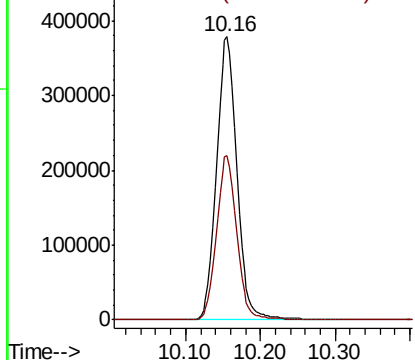


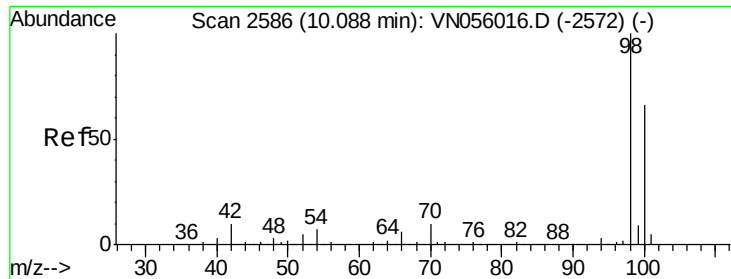
#62
Toluene
Concen: 49.501 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	45.5	68.3



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





#63

Toluene-d8

Concen: 29.479 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

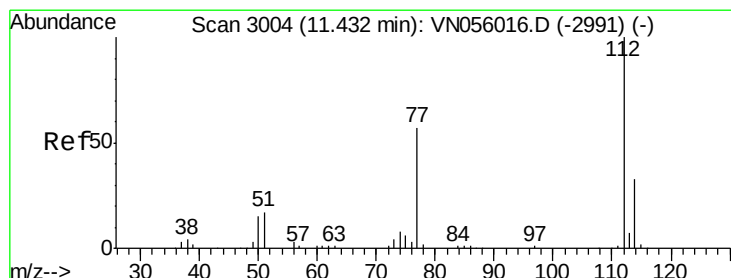
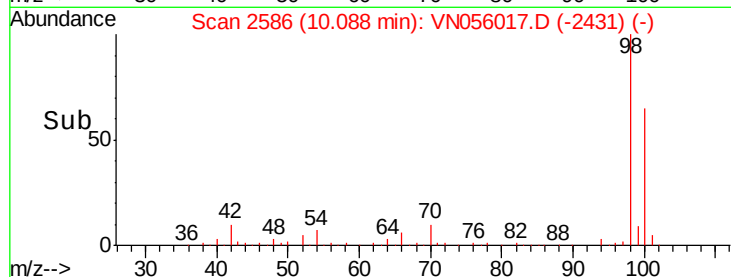
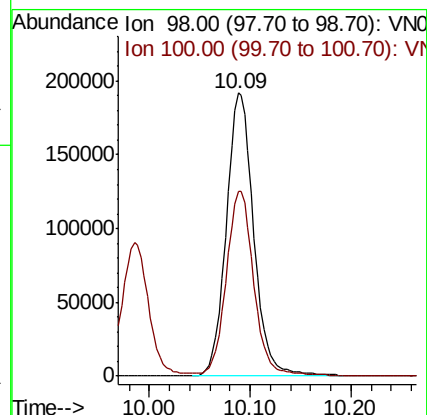
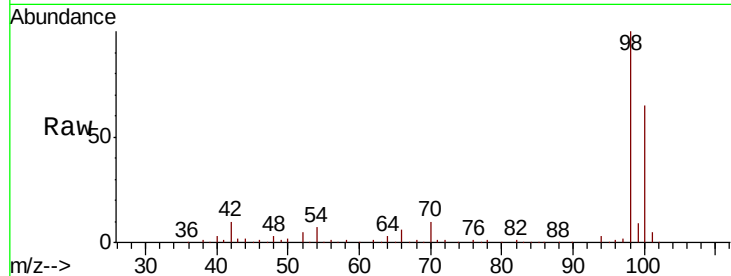
VSTDIC050

Tot Ion: 98 Resp: 364371

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.4



#64

Chlorobenzene

Concen: 50.032 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056017.D

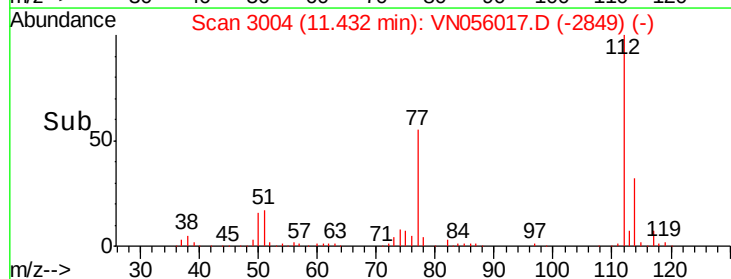
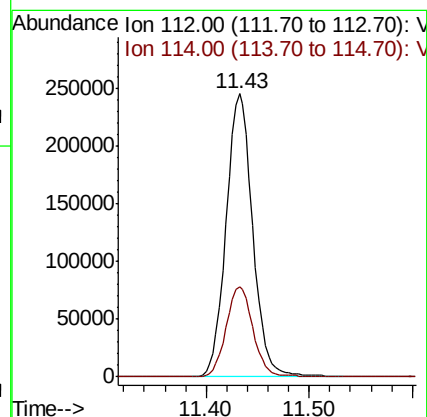
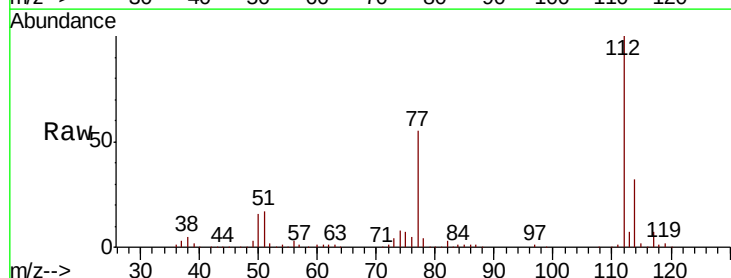
Acq: 5 Jun 2019 19:43

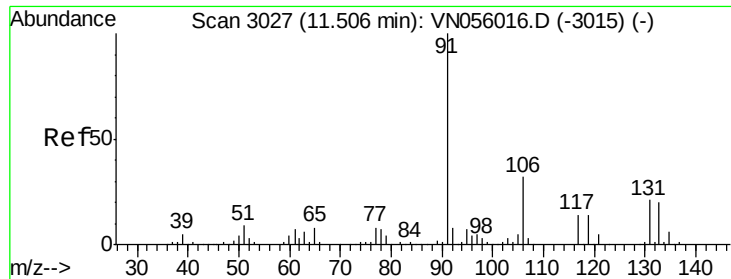
Tgt Ion: 112 Resp: 439967

Ion Ratio Lower Upper

112 100

114 31.9 26.1 39.1

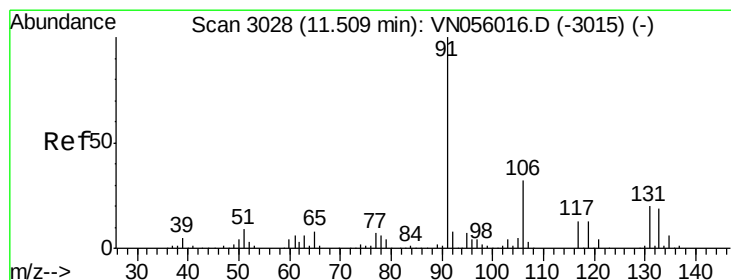
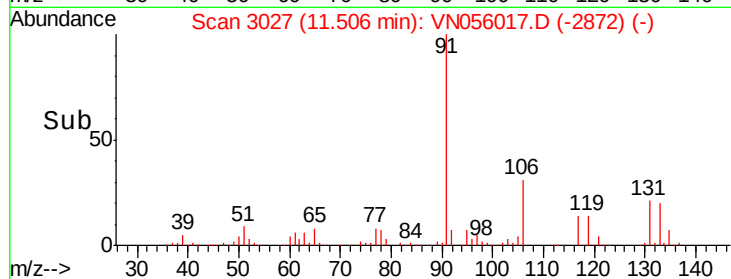
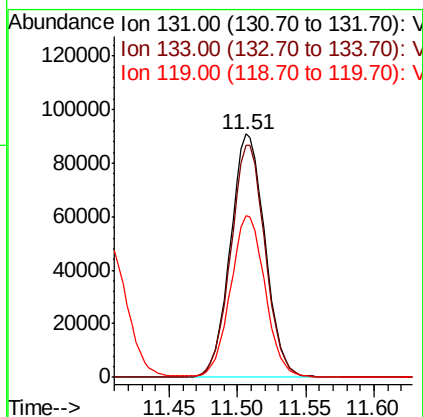
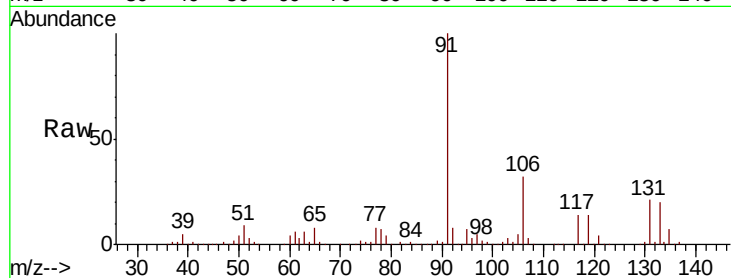




#65
 1,1,1,2-Tetrachloroethane
 Concen: 46.302 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

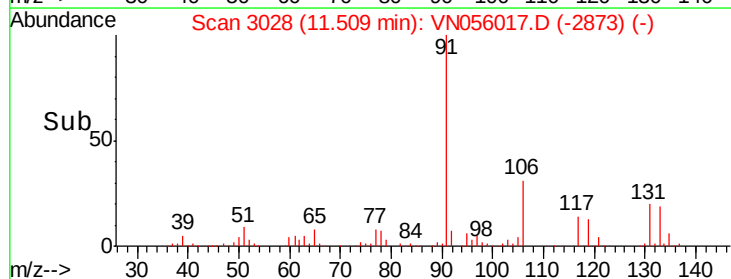
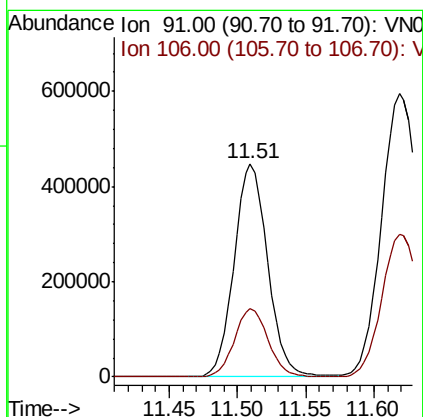
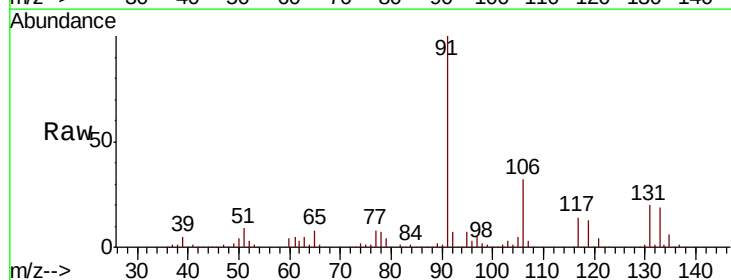
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

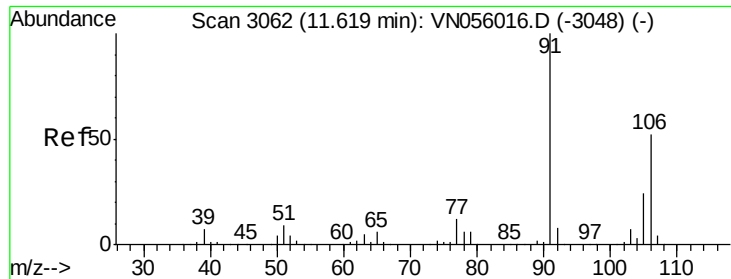
Tot Ion:131 Resp: 160116
 Ion Ratio Lower Upper
 131 100
 133 94.9 0.0 193.8
 119 66.4 0.0 134.4



#66
 Ethyl Benzene
 Concen: 48.628 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion: 91 Resp: 766927
 Ion Ratio Lower Upper
 91 100
 106 32.0 25.7 38.5

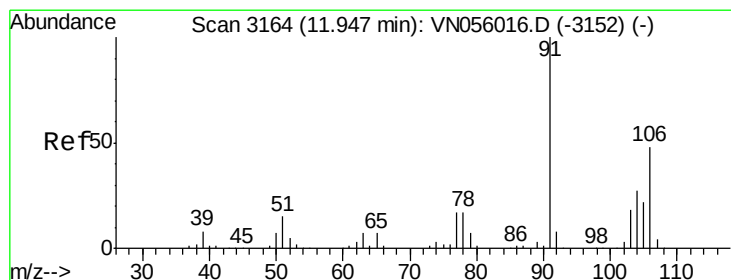
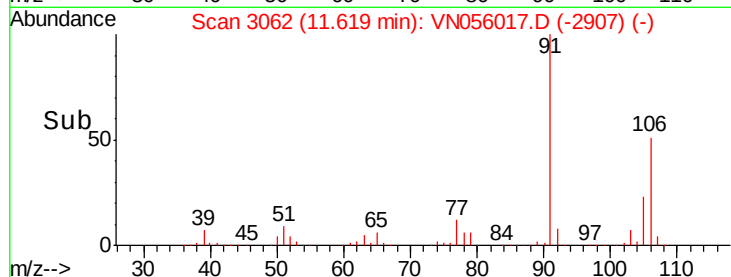
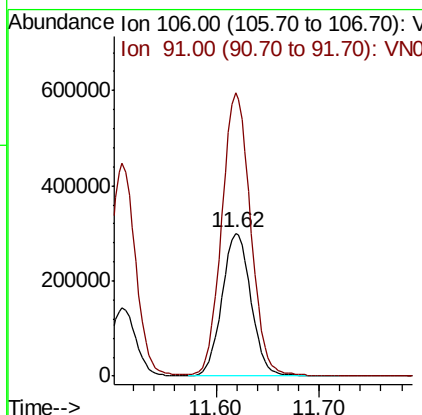
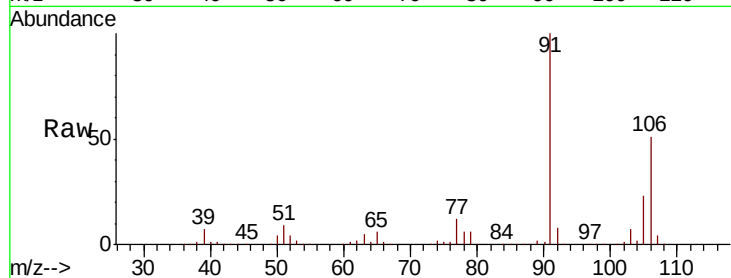




#67
m/p-Xylenes
Concen: 98.050 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

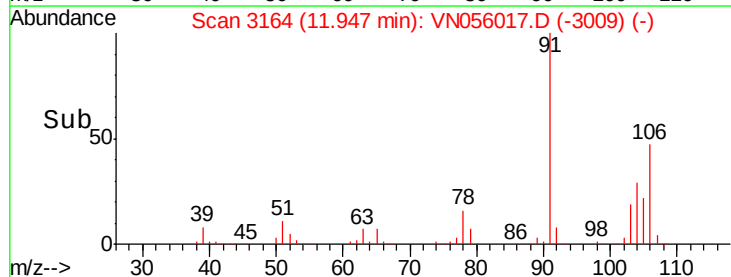
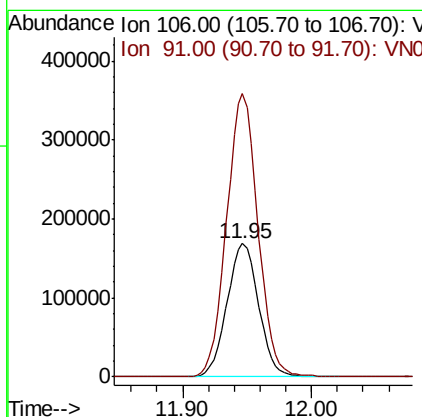
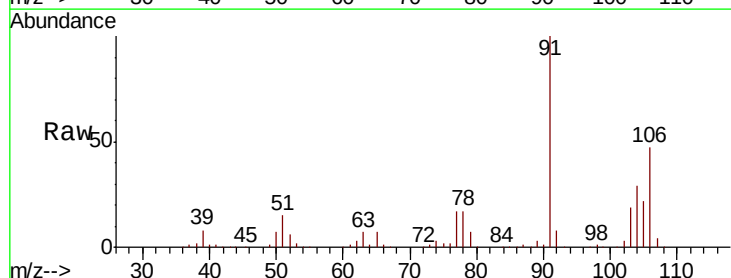
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

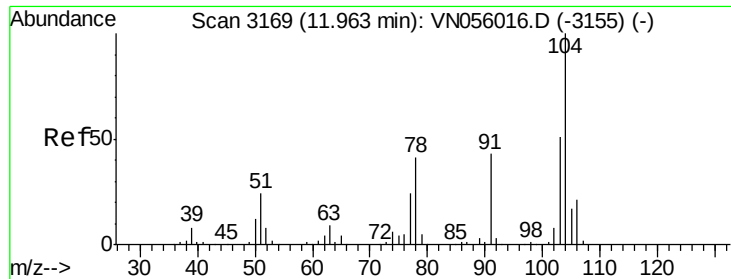
Tot Ion:106 Resp: 587865
Ion Ratio Lower Upper
106 100
91 197.6 155.7 233.5



#68
o-Xylene
Concen: 48.580 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion:106 Resp: 287521
Ion Ratio Lower Upper
106 100
91 210.1 103.9 311.7

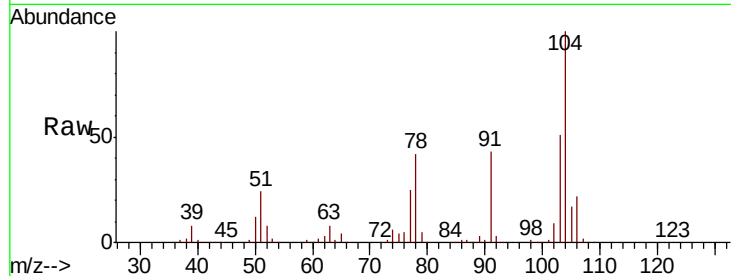




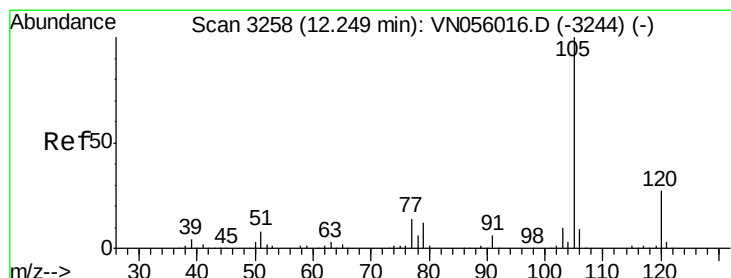
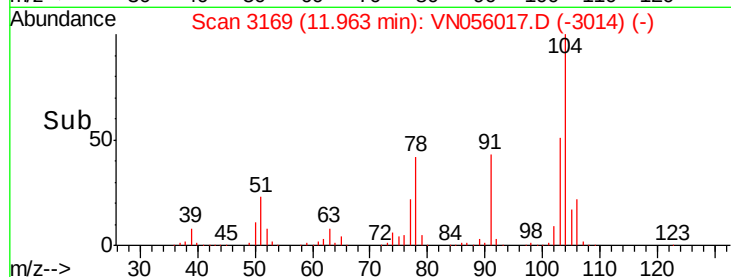
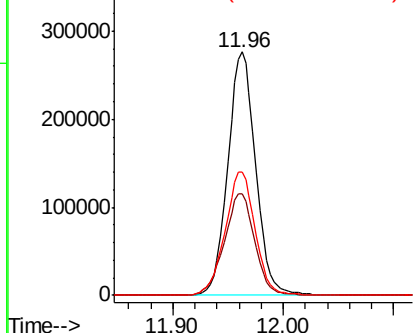
#69
Stvrene
Concen: 49.606 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:104 Resp: 482836
Ion Ratio Lower Upper
104 100
78 45.7 37.0 55.6
103 54.8 44.4 66.6

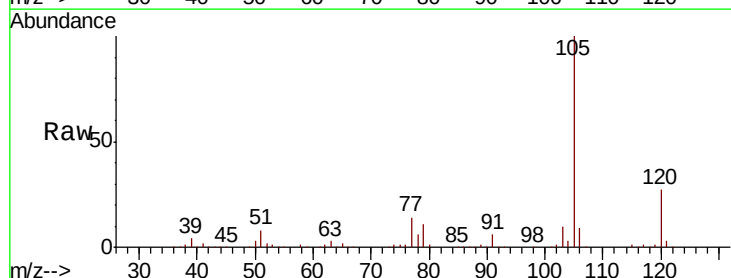


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

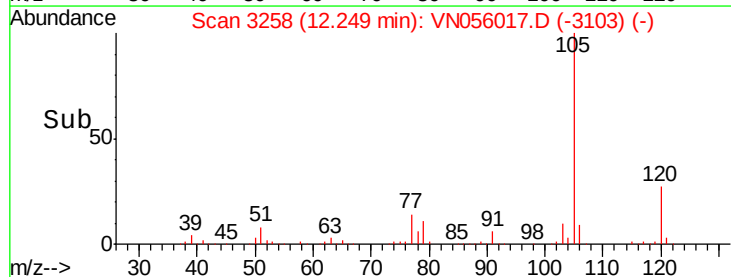
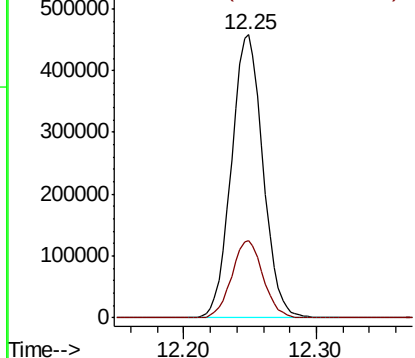


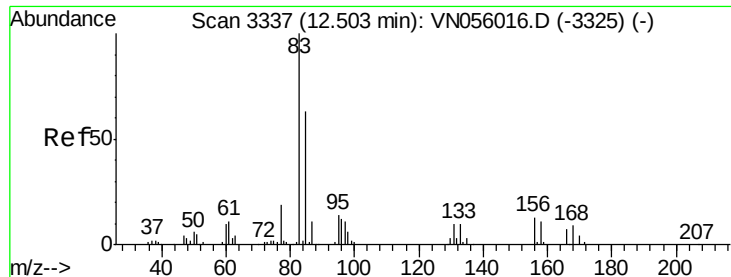
#70
Isopropylbenzene
Concen: 48.702 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion:105 Resp: 754774
Ion Ratio Lower Upper
105 100
120 27.3 19.3 35.8



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

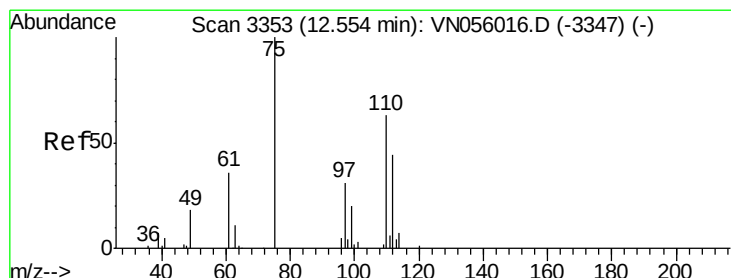
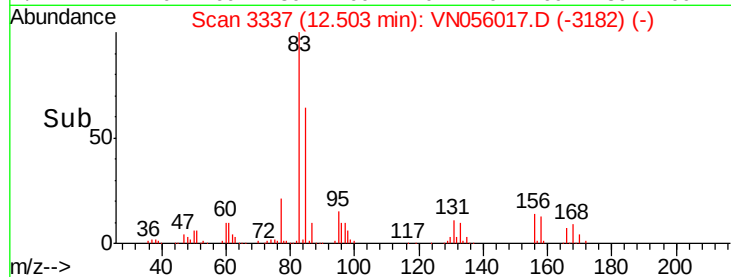
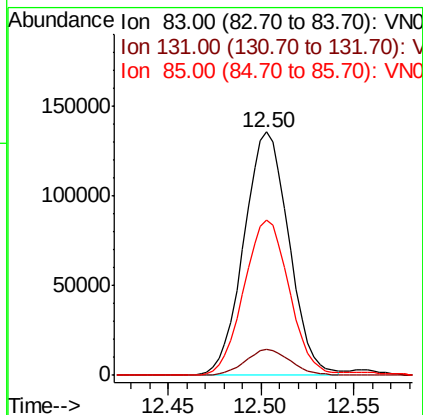
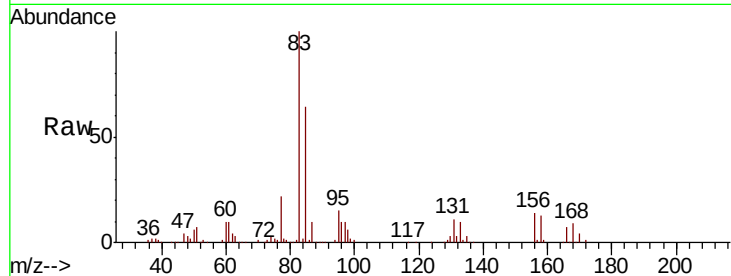




#71
 1,1,2,2-Tetrachloroethane
 Concen: 48.285 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

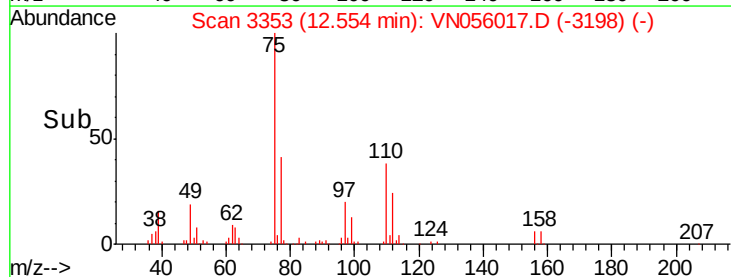
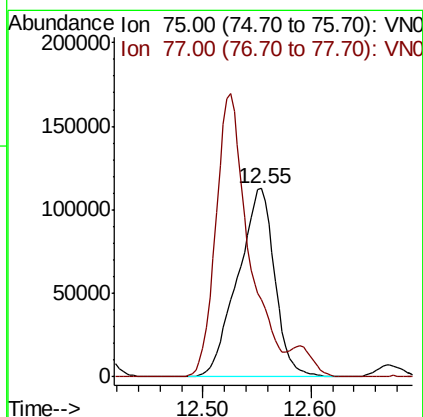
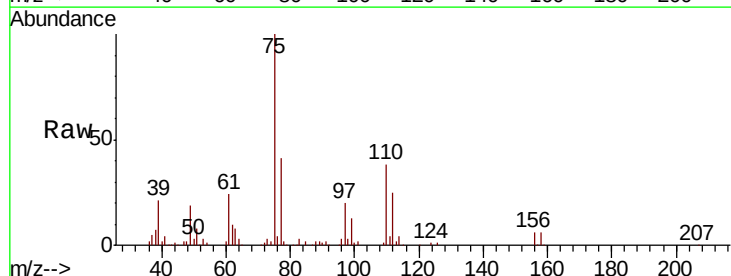
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

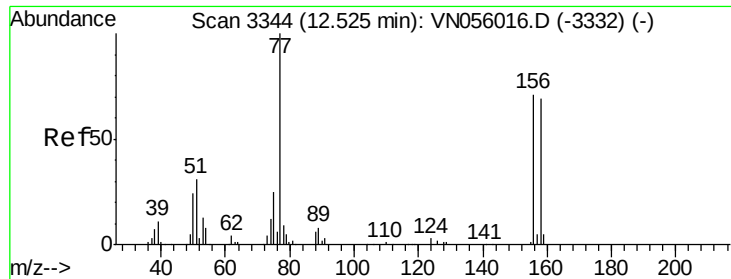
Tot Ion	83	Resp	229148
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	64.6	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 65.885 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion	75	Resp	267623
Ion	Ratio	Lower	Upper
75	100		
77	134.7	0.0	350.0





#73

Bromobenzene

Concen: 49.307 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

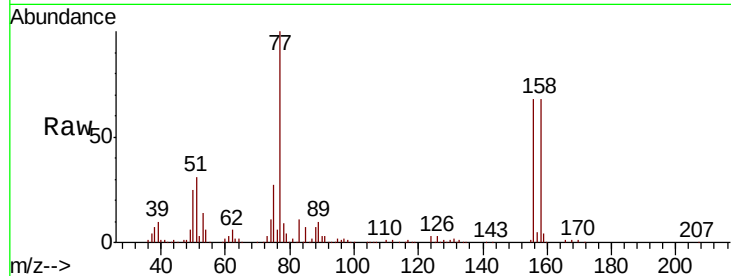
Tot Ion:156 Resp: 202083

Ion Ratio Lower Upper

156 100

77 178.3 0.0 350.8

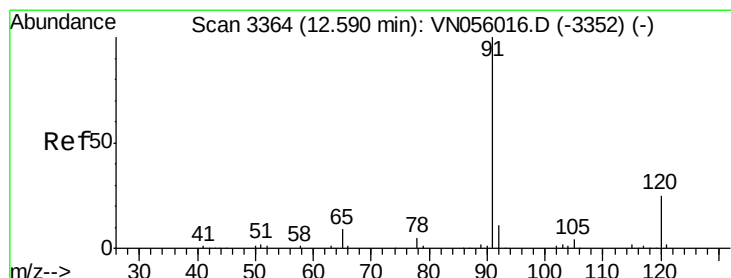
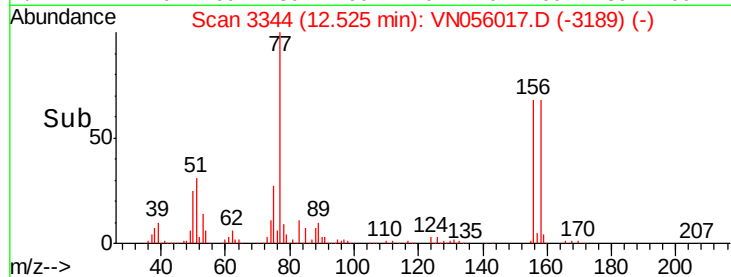
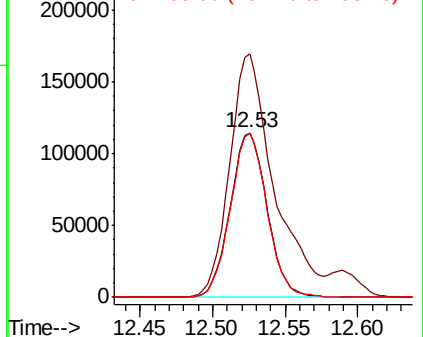
158 99.1 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 49.166 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056017.D

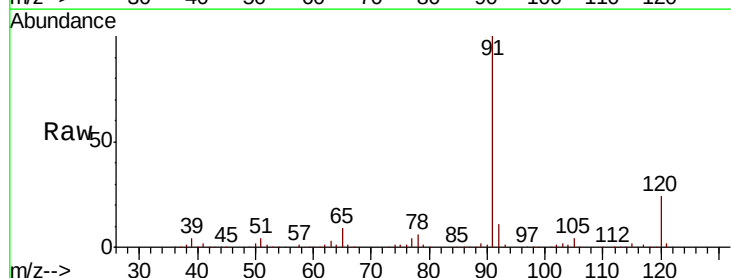
Acq: 5 Jun 2019 19:43

Tgt Ion: 91 Resp: 815649

Ion Ratio Lower Upper

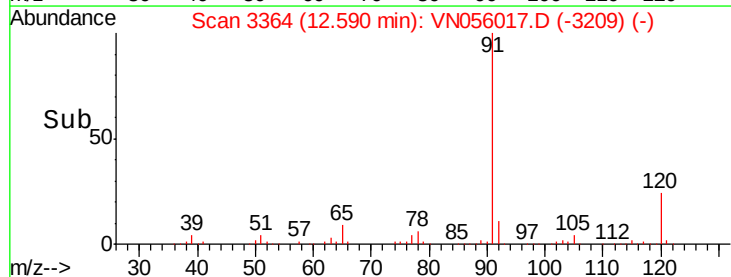
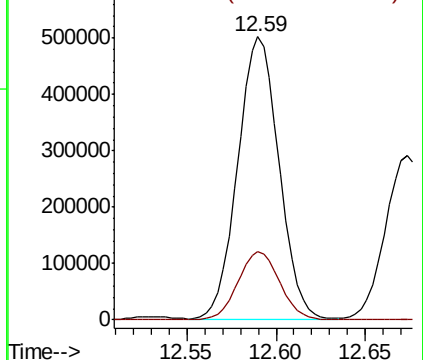
91 100

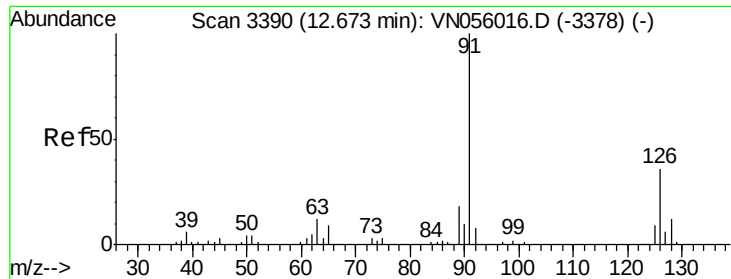
120 24.2 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 48.928 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

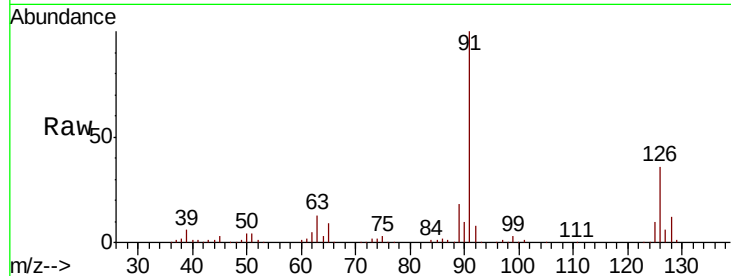
VSTDIC050

Tot Ion: 91 Resp: 496909

Ion Ratio Lower Upper

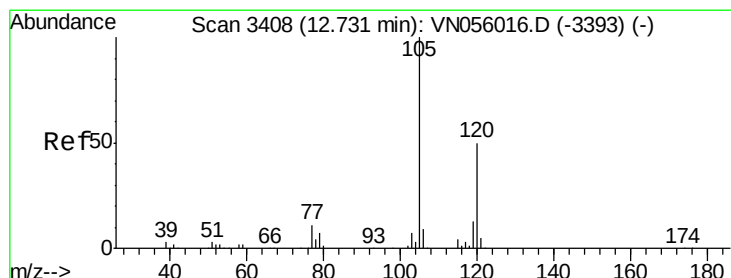
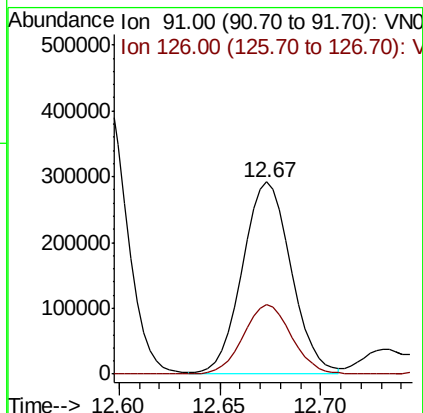
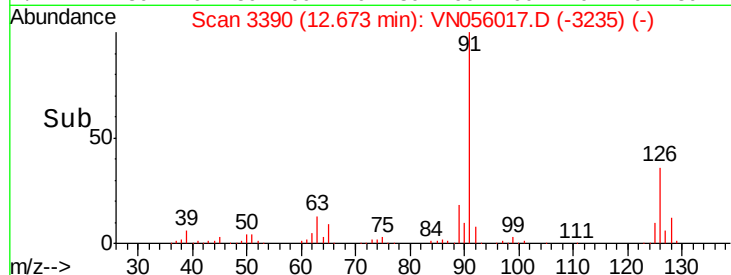
91 100

126 35.8 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056017.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN056017.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 48.589 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056017.D

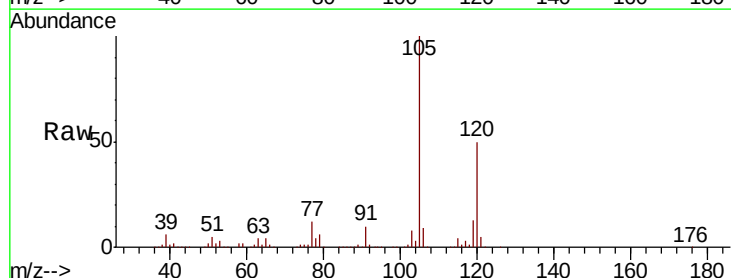
Acq: 5 Jun 2019 19:43

Tgt Ion: 105 Resp: 620449

Ion Ratio Lower Upper

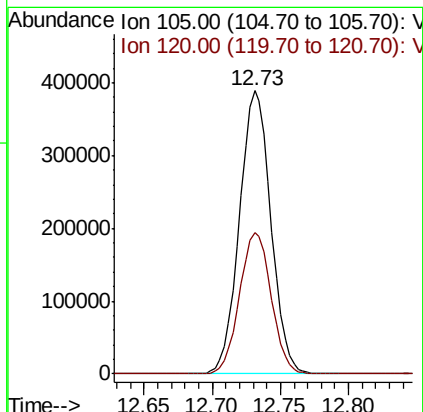
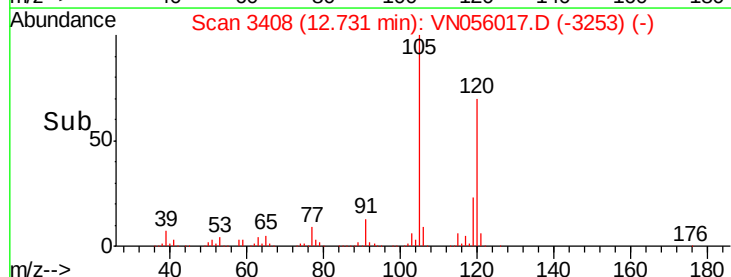
105 100

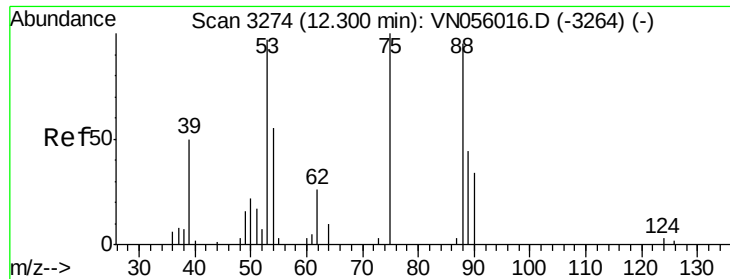
120 50.6 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056017.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN056017.D (-3253) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 38.570 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

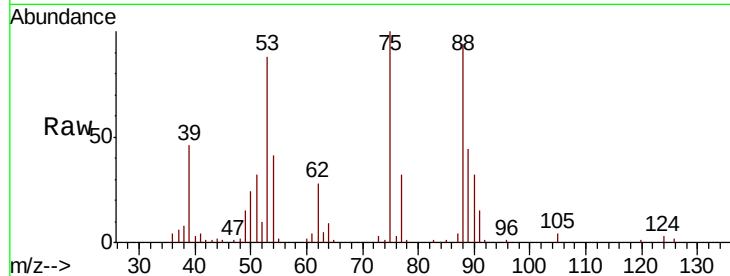
Tot Ion: 75 Resp: 58550

Ion Ratio Lower Upper

75 100

53 87.1 48.0 144.0

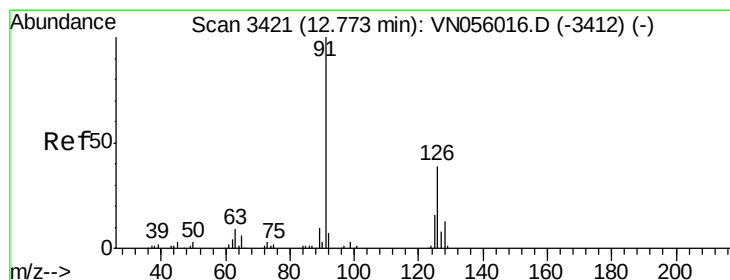
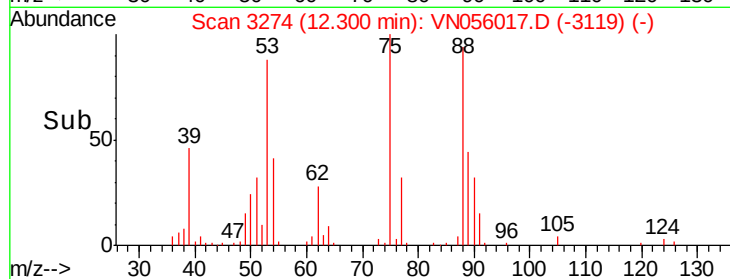
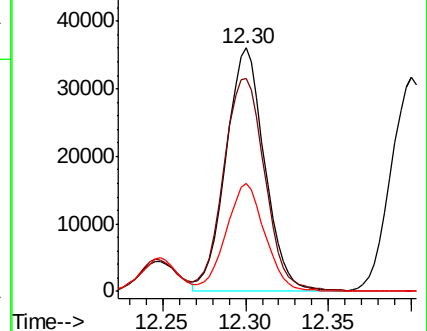
89 44.4 22.5 67.5



Abundance Ion 75.00 (74.70 to 75.70): VN056017.D (-3119) (-)

Ion 53.00 (52.70 to 53.70): VN056017.D (-3119) (-)

Ion 89.00 (88.70 to 89.70): VN056017.D (-3119) (-)



#78

4-Chlorotoluene

Concen: 49.733 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN056017.D

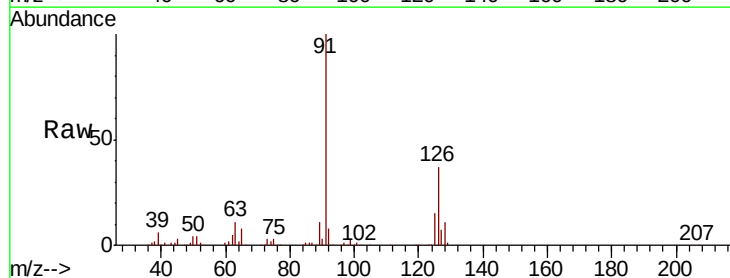
Acq: 5 Jun 2019 19:43

Tgt Ion: 91 Resp: 476697

Ion Ratio Lower Upper

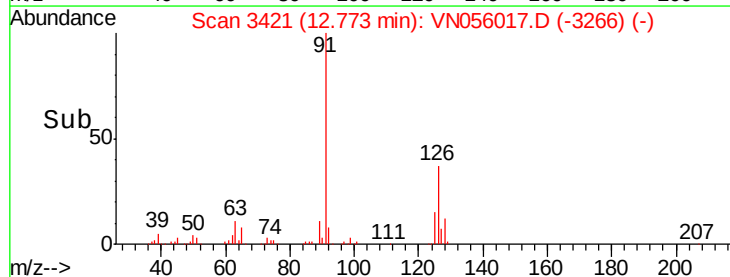
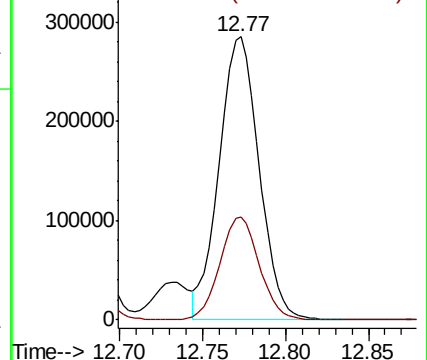
91 100

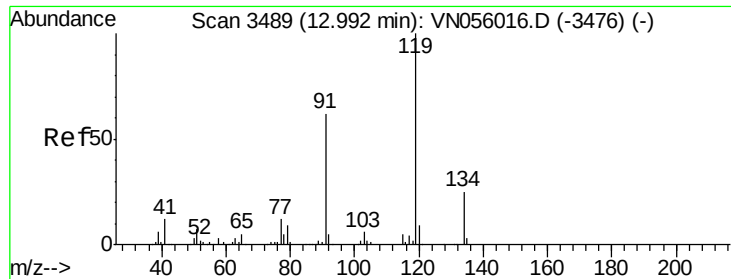
126 35.9 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN056017.D (-3266) (-)

Ion 126.00 (125.70 to 126.70): VN056017.D (-3266) (-)

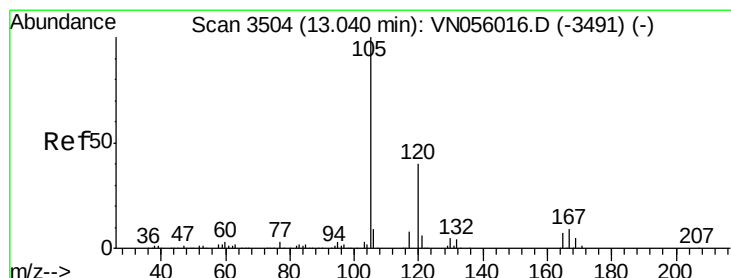
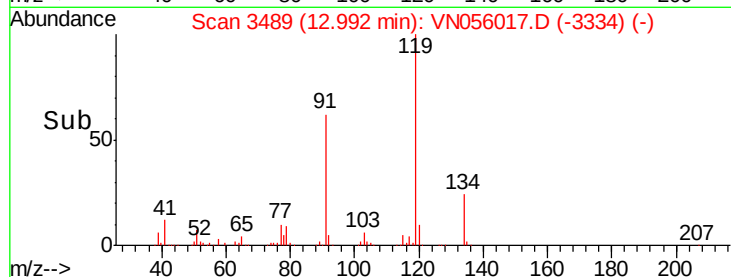
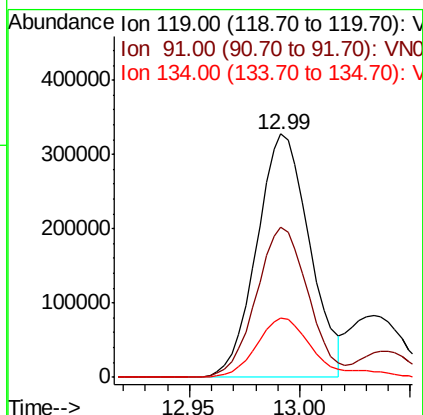
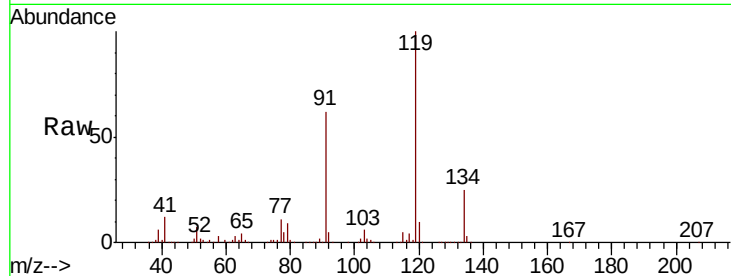




#79
tert-butylbenzene
Concen: 48.556 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

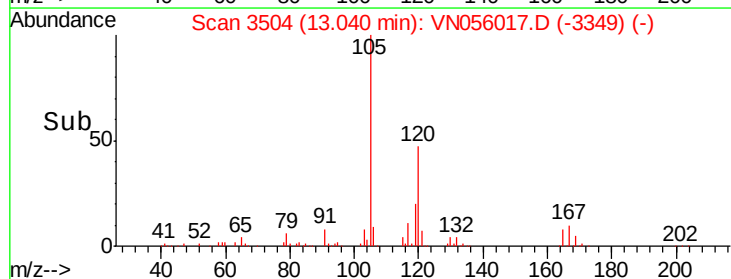
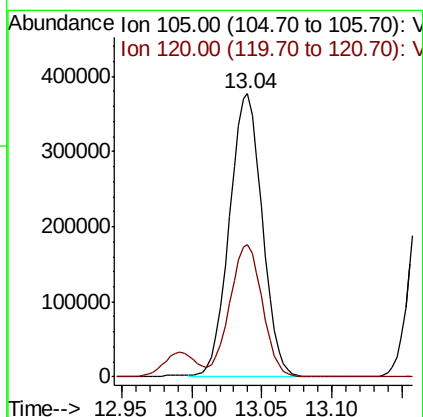
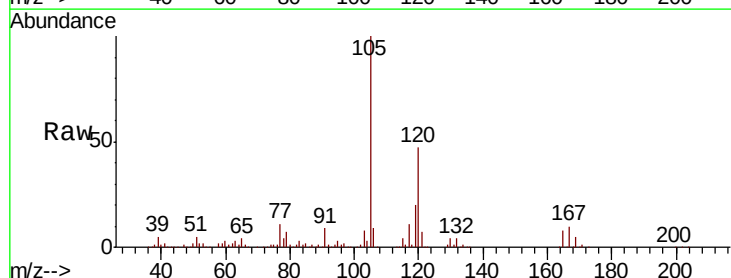
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

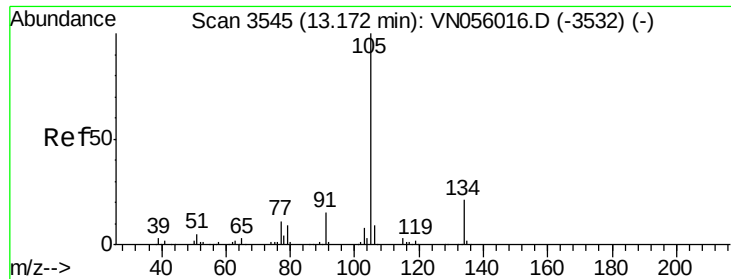
Tot Ion:119 Resp: 544238
Ion Ratio Lower Upper
119 100
91 60.8 0.0 122.8
134 26.7 0.0 50.2



#80
1,2,4-Trimethylbenzene
Concen: 48.800 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion:105 Resp: 615948
Ion Ratio Lower Upper
105 100
120 46.5 0.0 93.4

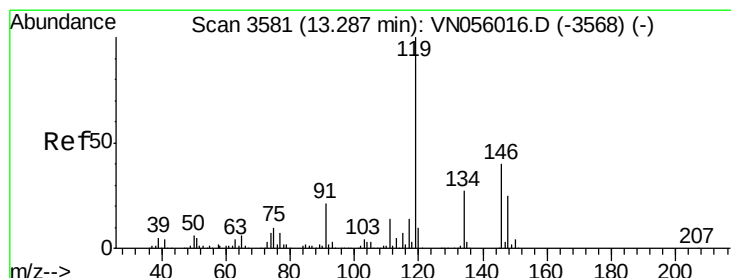
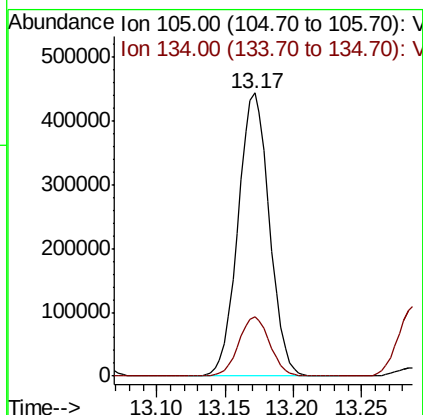
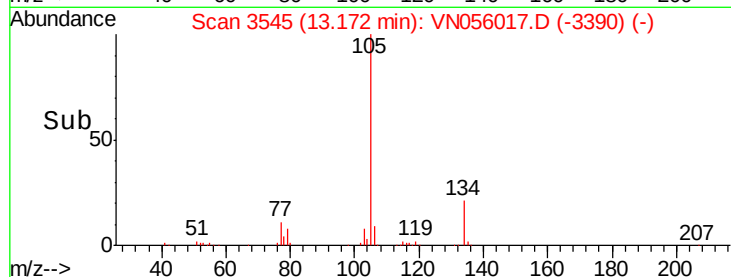
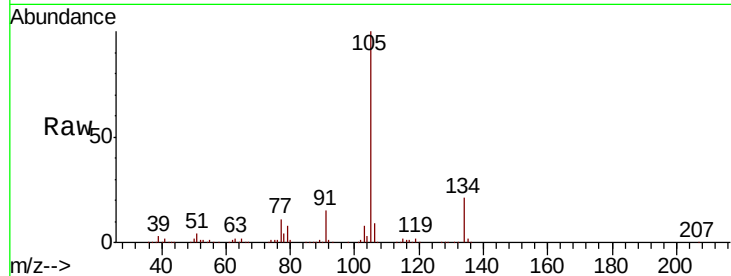




#81
 sec-Butylbenzene
 Concen: 49.511 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

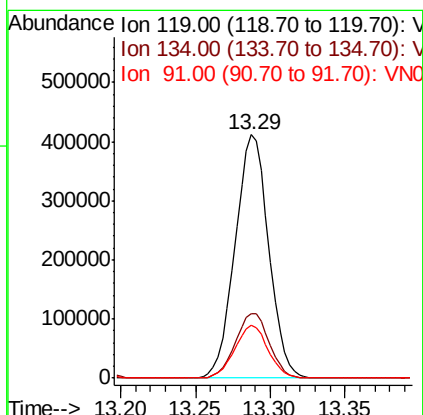
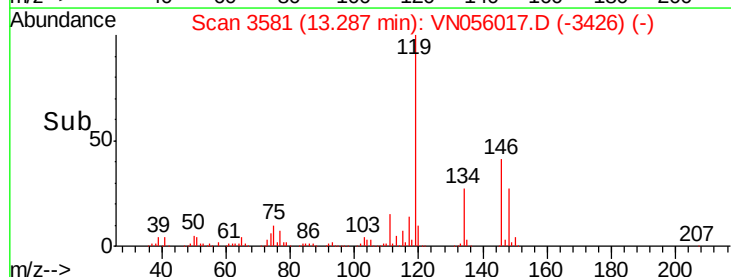
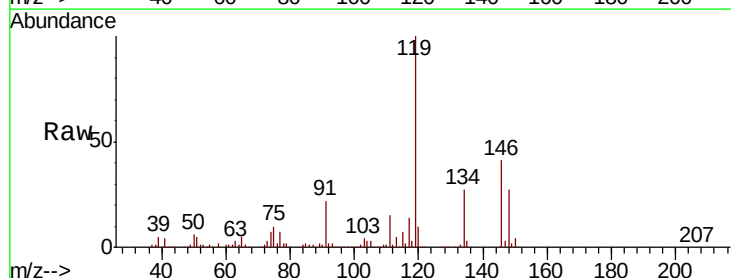
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

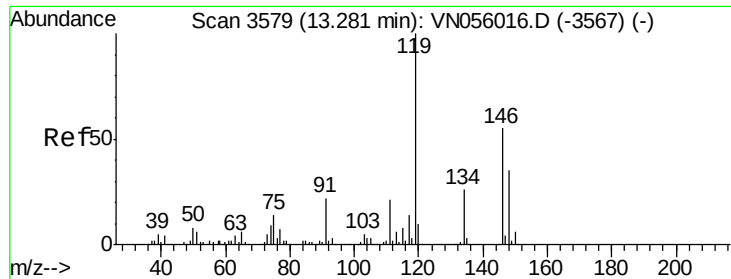
Tot Ion:105 Resp: 705763
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 49.203 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion:119 Resp: 642511
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 53.4
 91 21.5 0.0 43.0

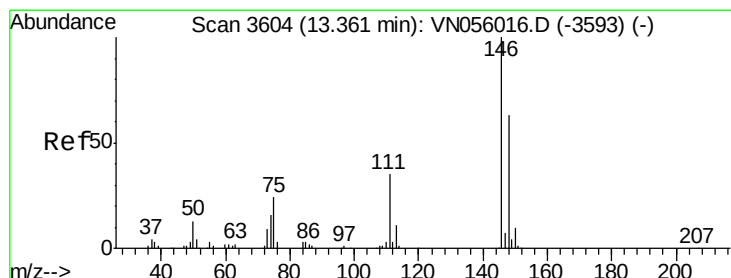
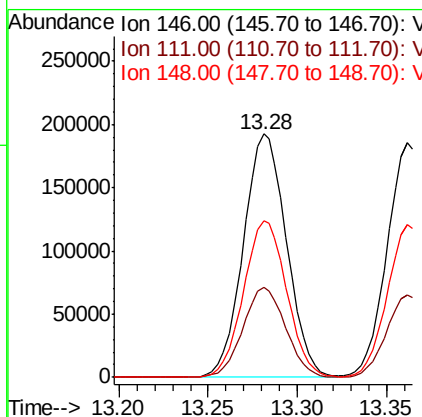
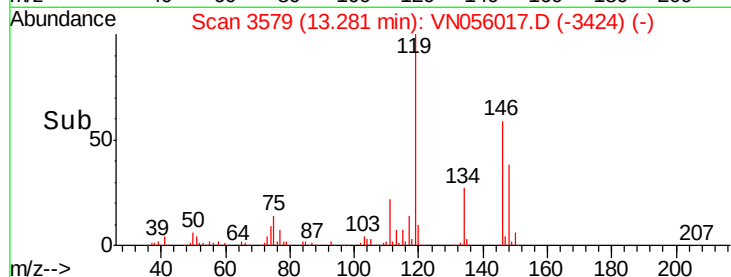
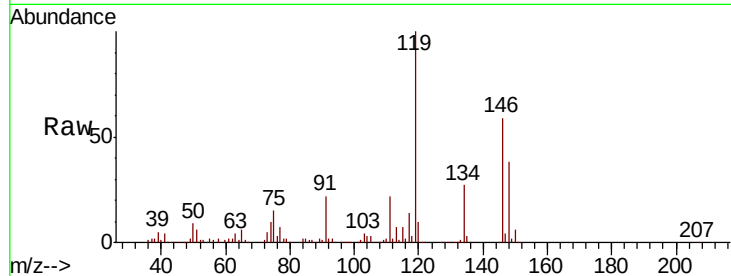




#83
 1,3-Dichlorobenzene
 Concen: 51.028 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

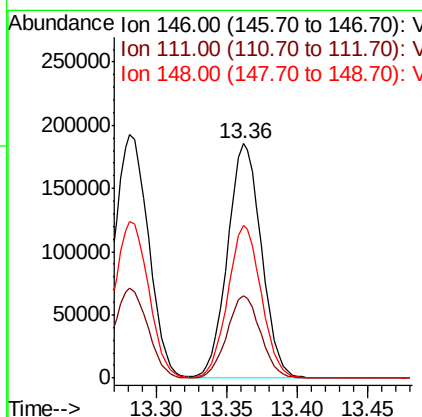
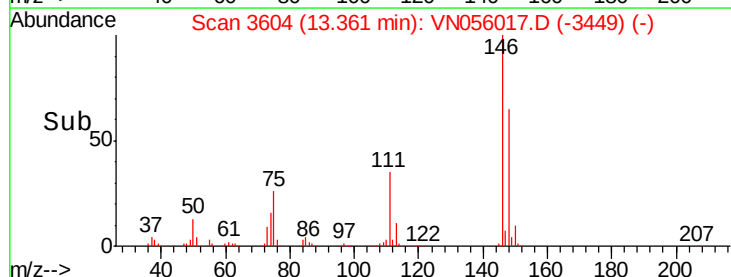
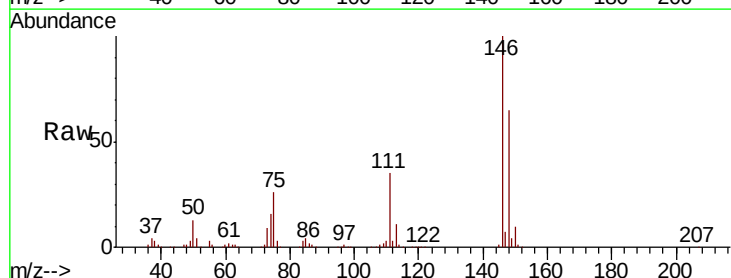
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

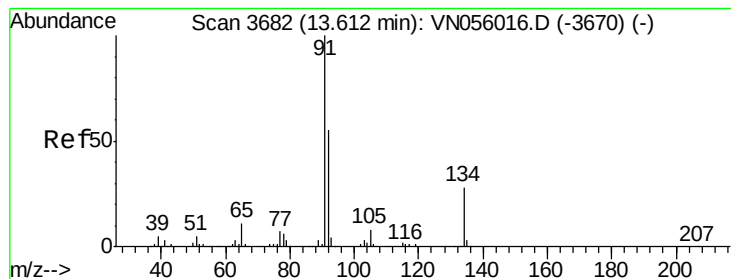
Tot Ion:146 Resp: 325935
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.2 54.6
 148 64.3 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 51.343 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion:146 Resp: 311223
 Ion Ratio Lower Upper
 146 100
 111 34.6 17.6 52.9
 148 64.3 32.1 96.3





#85

n-Butylbenzene

Concen: 48.682 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

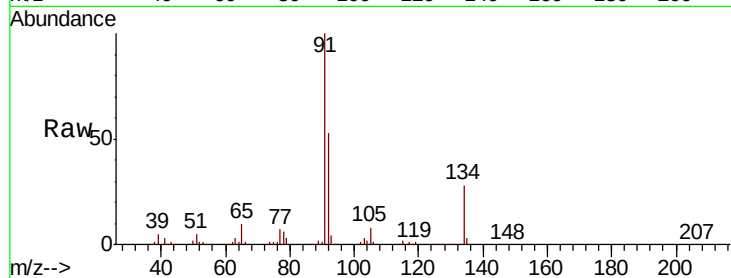
Tot Ion: 91 Resp: 488443

Ion Ratio Lower Upper

91 100

92 53.1 0.0 107.2

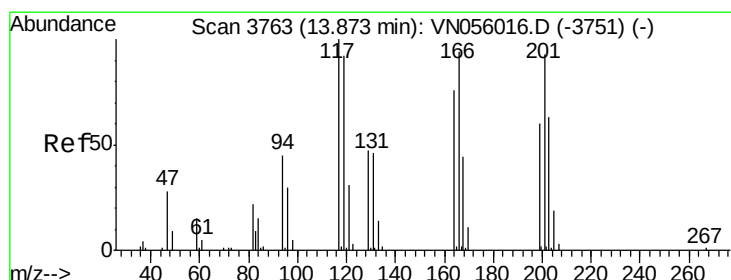
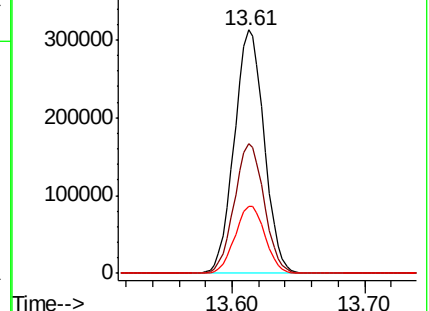
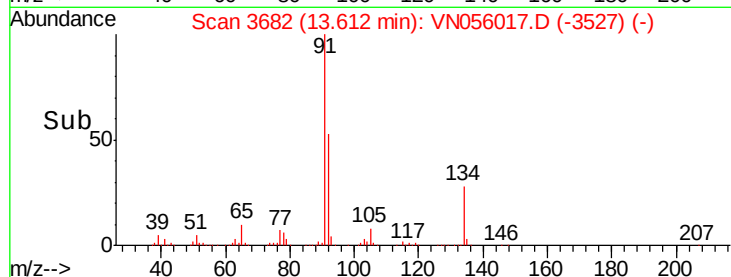
134 27.9 0.0 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN056017.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN056017.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN056017.D (-3670) (-)



#86

Hexachloroethane

Concen: 41.150 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056017.D

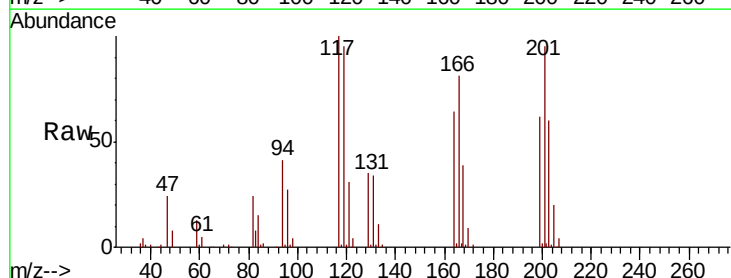
Acq: 5 Jun 2019 19:43

Tgt Ion: 117 Resp: 100668

Ion Ratio Lower Upper

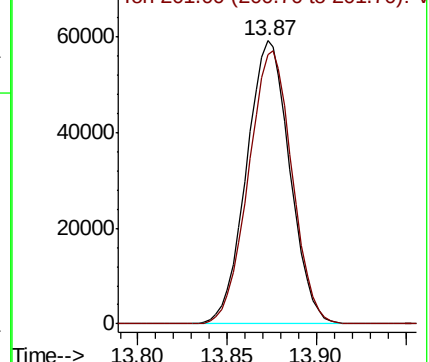
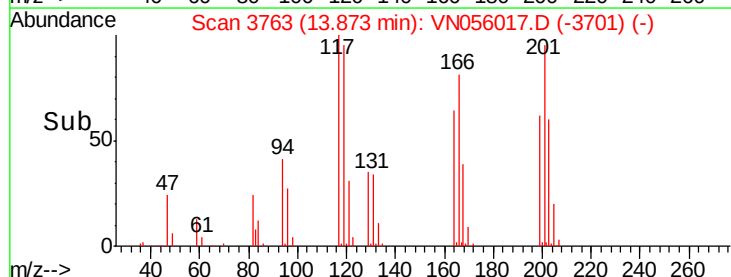
117 100

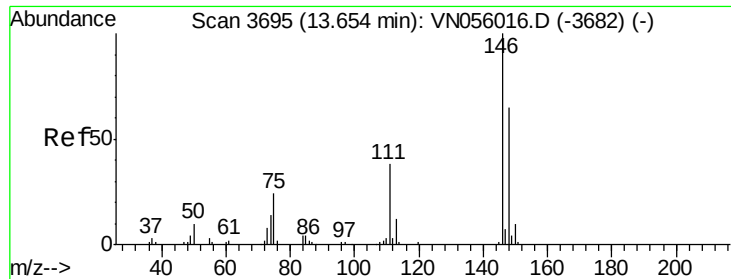
201 96.5 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056017.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056017.D (-3751) (-)





#87

1,2-Dichlorobenzene

Concen: 50.844 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

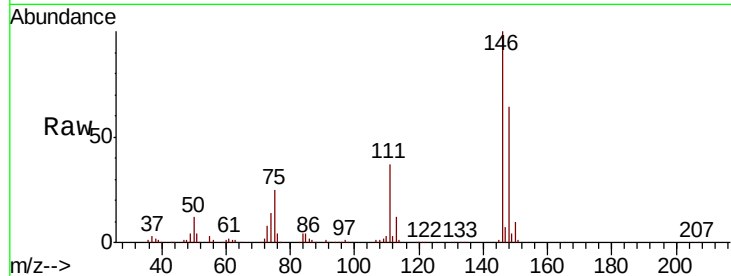
Tot Ion:146 Resp: 327039

Ion Ratio Lower Upper

146 100

111 37.3 19.3 57.9

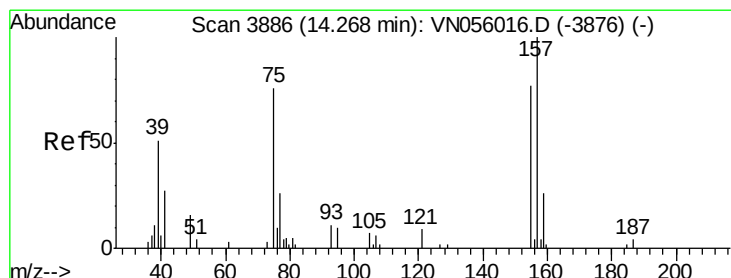
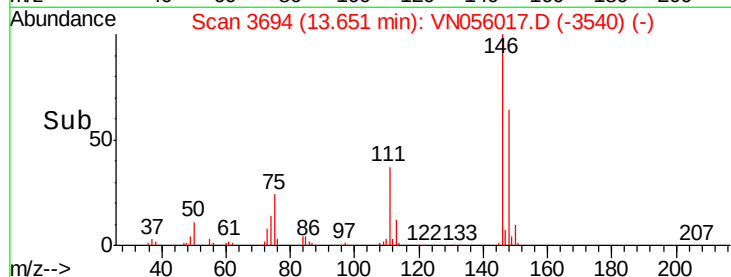
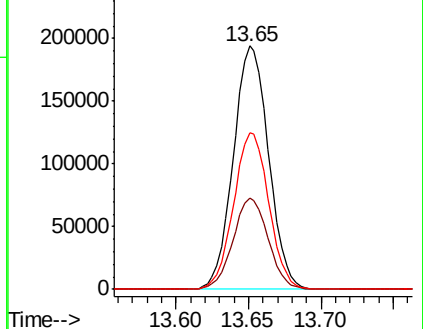
148 64.2 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 43.631 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056017.D

Acq: 5 Jun 2019 19:43

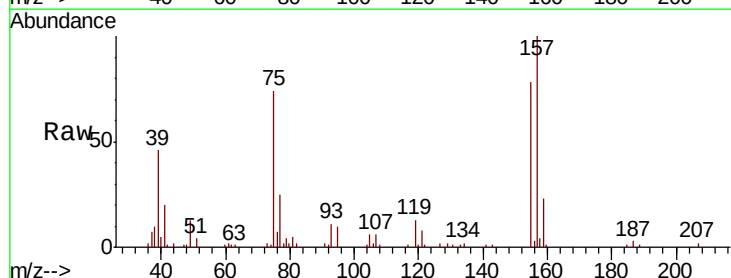
Tgt Ion: 75 Resp: 37300

Ion Ratio Lower Upper

75 100

155 104.8 82.5 123.7

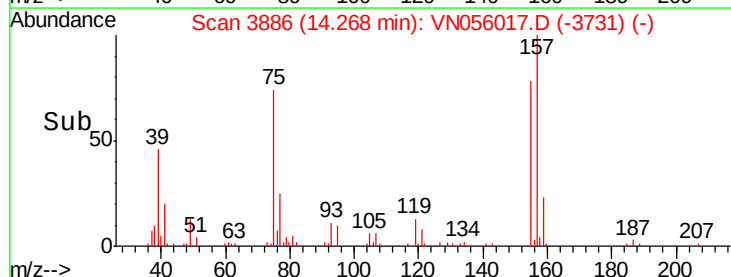
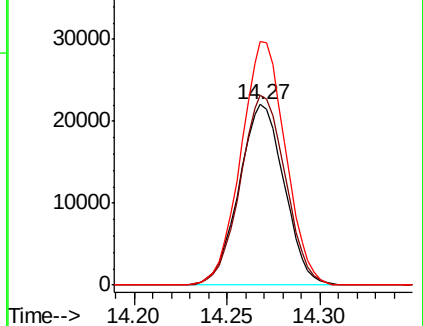
157 132.9 105.1 157.7

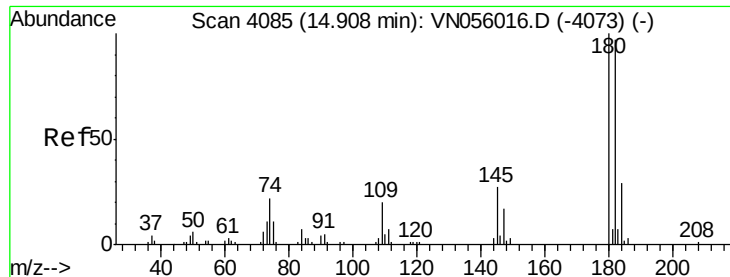


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

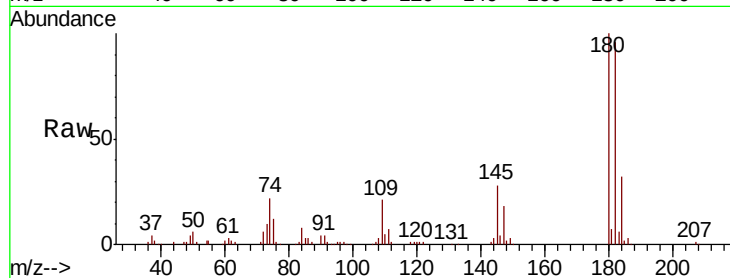




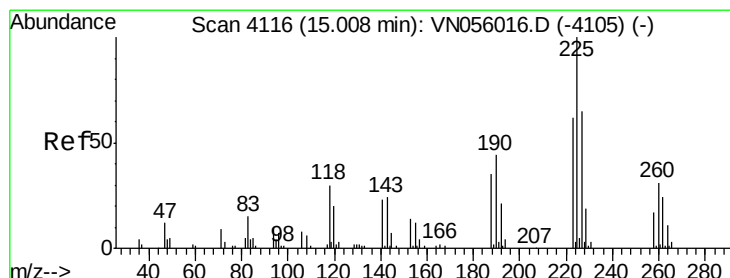
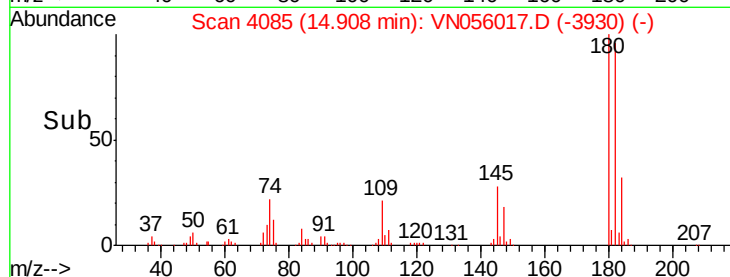
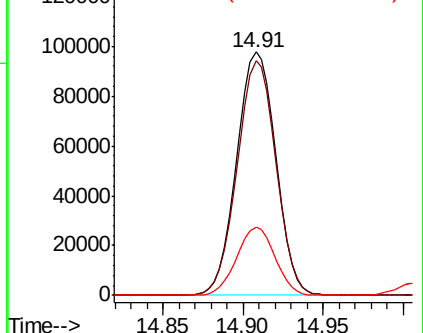
#89
 1,2,4-Trichlorobenzene
 Concen: 47.981 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:180 Resp: 163259
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.0 112.6
 145 27.5 22.1 33.1

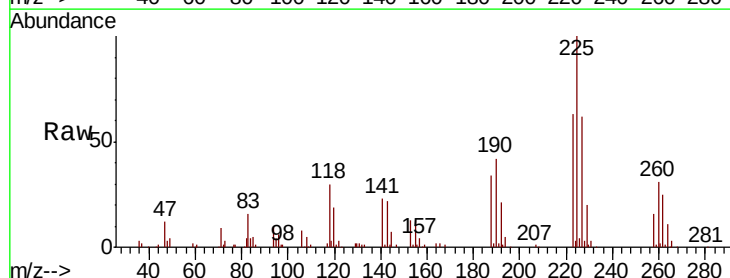


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

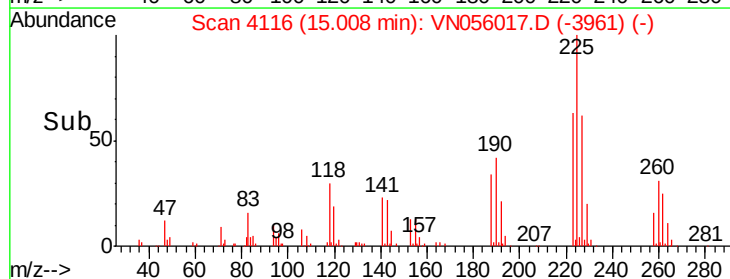
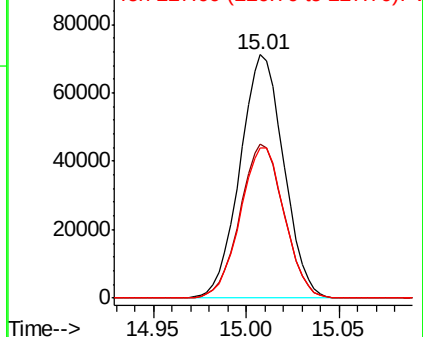


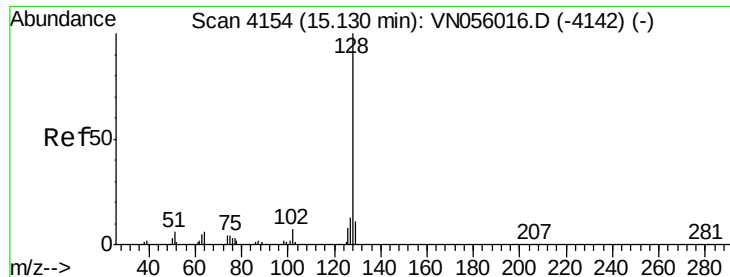
#90
 Hexachlorobutadiene
 Concen: 45.709 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056017.D
 Acq: 5 Jun 2019 19:43

Tgt Ion:225 Resp: 116351
 Ion Ratio Lower Upper
 225 100
 223 63.6 0.0 125.6
 227 62.5 0.0 128.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

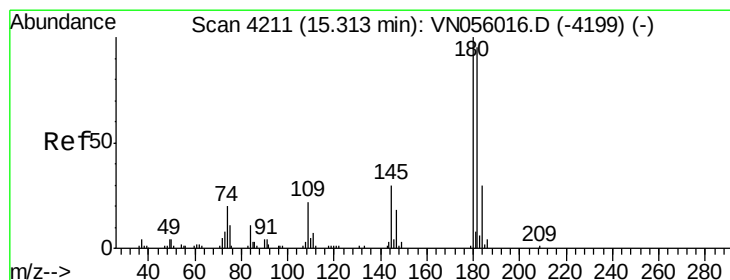
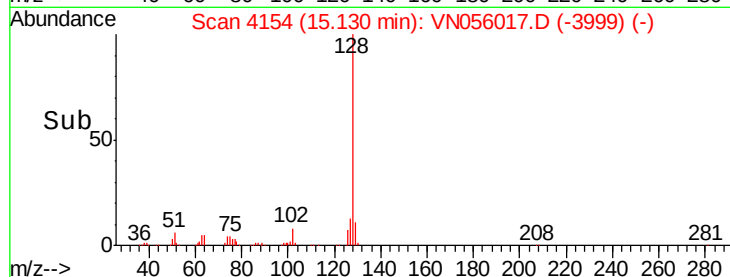
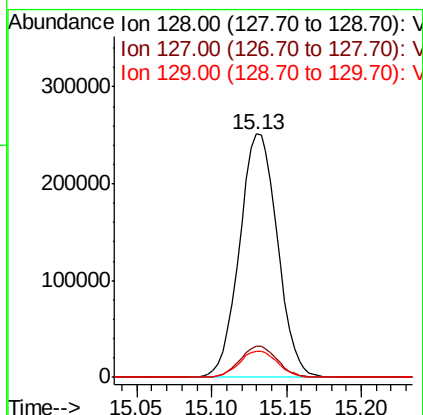
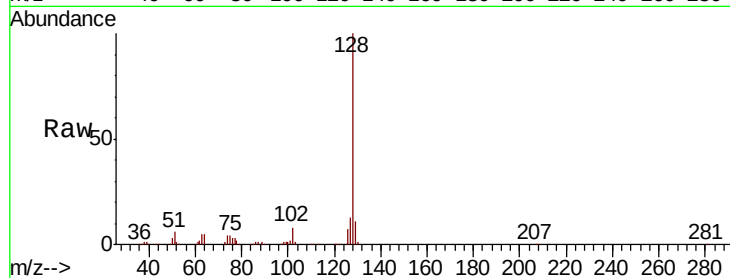




#91
Naphthalene
Concen: 47.870 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:128 Resp: 443580
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.9 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 48.858 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056017.D
Acq: 5 Jun 2019 19:43

Tgt Ion:180 Resp: 174108
Ion Ratio Lower Upper
180 100
182 96.1 0.0 193.4
145 30.4 0.0 59.8

