

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056019.D
 Acq On : 5 Jun 2019 20:33
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 06 03:26:01 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	52992	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	295160	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	266098	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	97665	28.41	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.70%
60) 4-Bromofluorobenzene	12.40	95	124533	30.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.50%
63) Toluene-d8	10.09	98	351893	28.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.47%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	466604	187.127	ug/l	98
3) Chloromethane	2.06	50	531239	159.734	ug/l	99
4) Vinyl Chloride	2.18	62	538043	157.413	ug/l	99
5) Bromomethane	2.52	94	275551	134.178	ug/l	98
6) Chloroethane	2.67	64	284438	143.120	ug/l	95
7) Trichlorofluoromethane	3.00	101	654854	152.831	ug/l	96
8) Diethyl Ether	3.40	74	273839	146.987	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	402377	149.860	ug/l	99
10) 1,1-Dichloroethene	3.72	96	423218	151.799	ug/l	96
11) Methyl Iodide	3.93	142	691468	170.495	ug/l	99
12) Methyl Acetate	4.32	43	468624	137.867	ug/l	100
13) Acrolein	3.60	56	122315	294.842	ug/l	100
14) Acrylonitrile	4.99	53	1138075	740.633	ug/l	99
15) Acetone	3.82	58	353840	728.108	ug/l	96
16) Carbon Disulfide	4.03	76	1107864	145.065	ug/l	100
17) Allyl chloride	4.31	41	672152	138.226	ug/l	97
18) Methylene Chloride	4.54	84	479078	149.884	ug/l	99
19) trans-1,2-Dichloroethene	5.03	96	449062	149.795	ug/l	96
20) Diisopropyl ether	5.95	45	1364648	141.970	ug/l	95
21) 1,1-Dichloroethane	5.84	63	777202	142.948	ug/l	100
22) cis-1,2-Dichloroethene	6.82	96	522677	149.448	ug/l	100
23) tert-Butyl Alcohol	4.82	59	426259	648.265	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	1331586	142.586	ug/l	97
25) Chloroform	7.37	83	779695	144.623	ug/l	99
26) Cyclohexane	7.65	56	724753	144.012	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	602813	147.480	ug/l	99
30) 2-Butanone	6.84	43	1564396	720.330	ug/l	99
31) 2,2-Dichloropropane	6.82	77	560541	123.313	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	670942	140.478	ug/l	99
33) Carbon Tetrachloride	7.77	117	586025	139.123	ug/l	99
34) Benzene	8.04	78	1868064	146.953	ug/l #	91
35) Methacrylonitrile	7.17	41	269713	133.267	ug/l	97
36) 1,2-Dichloroethane	8.12	62	576517	140.245	ug/l	99
37) Trichloroethene	8.83	130	530077	149.016	ug/l	98
38) Methylcyclohexane	9.08	83	763731	147.525	ug/l	97
39) 1,2-Dichloropropane	9.12	63	486195	143.493	ug/l	96
40) Dibromomethane	9.21	93	321244	145.930	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	609899	139.716	ug/l	99
42) Vinyl Acetate	5.89	43	5775743	697.474	ug/l	100
43) Ethyl Acetate	6.93	43	584957	138.062	ug/l	100
44) Isopropyl Acetate	8.17	43	976319	141.010	ug/l	98
45) 1,4-Dioxane	9.20	88	205885	3064.798	ug/l	93
46) Methyl methacrylate	9.20	41	474717	146.504	ug/l	99
47) n-amyl Acetate	12.07	43	832370	145.820	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	687419	144.256	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	766454	144.733	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	482103	150.415	ug/l	99
51) Ethyl methacrylate	10.43	69	753802	148.521	ug/l	100
52) 1,3-Dichloropropane	10.71	76	780060	148.157	ug/l	99
53) Dibromochloromethane	10.90	129	531437	146.626	ug/l	98
54) 1,2-Dibromoethane	11.00	107	512550	154.556	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	1437123	741.855	ug/l	99
56) Bromoform	12.13	173	408459	141.294	ug/l #	98
58) 4-Methyl-2-Pentanone	9.99	43	2977125	692.134	ug/l	100
59) 2-Hexanone	10.75	43	2164201	702.513	ug/l	98
61) Tetrachloroethene	10.63	164	527516	146.002	ug/l	99
62) Toluene	10.15	91	2087176	146.254	ug/l	99
64) Chlorobenzene	11.43	112	1308309	151.255	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	486445	143.013	ug/l	99
66) Ethyl Benzene	11.51	91	2290521	147.651	ug/l	100
67) m/p-Xylenes	11.62	106	1778098	301.508	ug/l	99
68) o-Xylene	11.95	106	862151	148.096	ug/l	99
69) Styrene	11.96	104	1487457	155.365	ug/l	99
70) Isopropylbenzene	12.25	105	2229572	146.258	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	671713	143.897	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	828164	207.279	ug/l	70
73) Bromobenzene	12.53	156	621548	154.180	ug/l	99
74) n-propylbenzene	12.59	91	2516597	154.223	ug/l	100
75) 2-Chlorotoluene	12.67	91	1488812	149.036	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	1894438	150.828	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	207898	139.236	ug/l	91
78) 4-Chlorotoluene	12.77	91	1498294	158.916	ug/l	100
79) tert-butylbenzene	12.99	119	1616315	146.605	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1882418	151.624	ug/l	100
81) sec-Butylbenzene	13.17	105	2139421	152.586	ug/l	99
82) p-Isopropyltoluene	13.29	119	1998051	155.556	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	1049007	166.966	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	1030494	172.834	ug/l	100
85) n-Butylbenzene	13.61	91	1643685	166.550	ug/l	99
86) Hexachloroethane	13.87	117	330916	137.520	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	1022456	161.607	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	123567	146.949	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	643072	192.144	ug/l	98
90) Hexachlorobutadiene	15.01	225	354921	141.755	ug/l	100
91) Naphthalene	15.13	128	1713623	188.008	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	643889	183.697	ug/l	99

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ClientSampleId :
VSTDICC150

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 03:18:25 2019
Response via : Initial Calibration

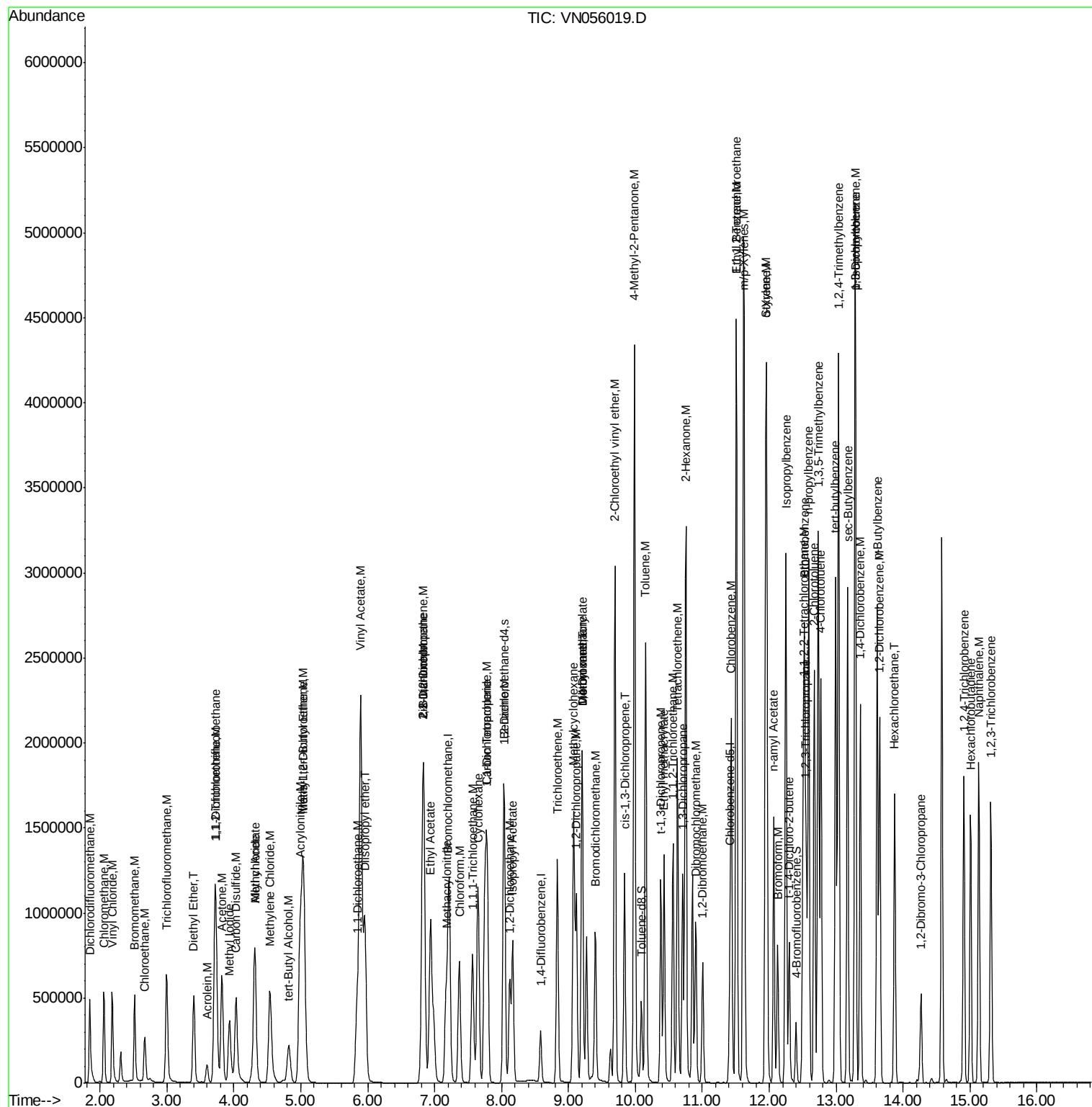
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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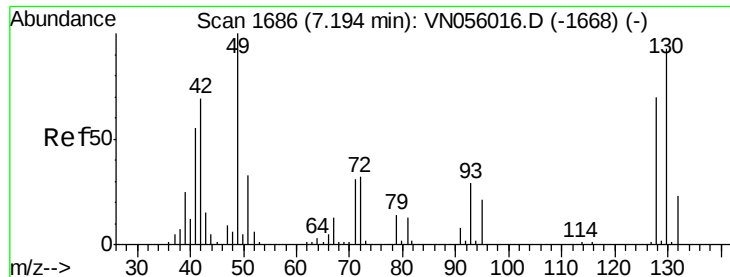
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
Data File : VN056019.D
Acq On : 5 Jun 2019 20:33
Operator : JC/SP
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Quant Time: Jun 06 03:26:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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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: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

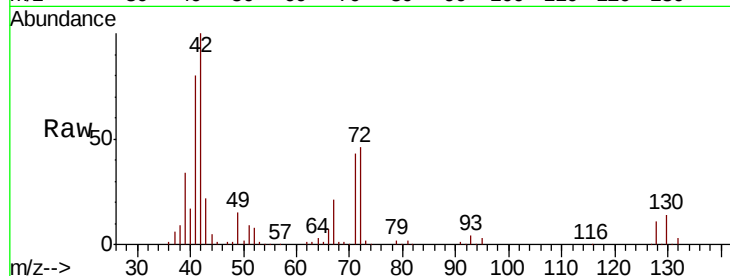
Tot Ion:128 Resp: 52992

Ion Ratio Lower Upper

128 100

49 144.9 0.0 355.8

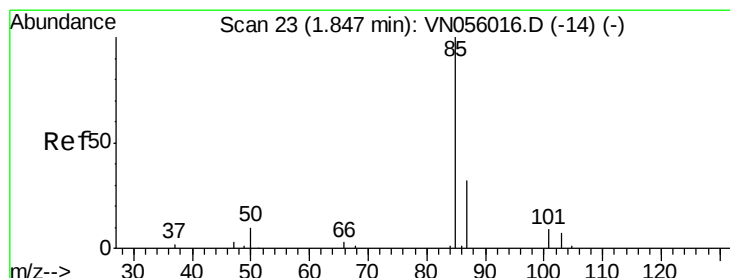
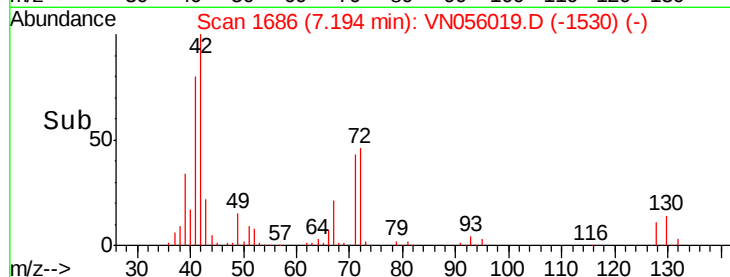
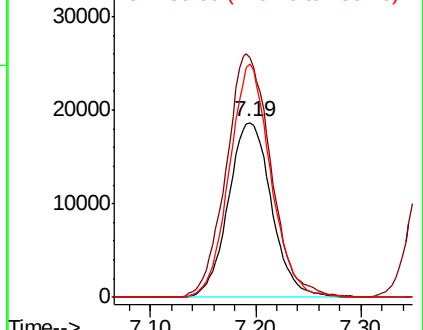
130 128.3 0.0 326.3



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: 187.127 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056019.D

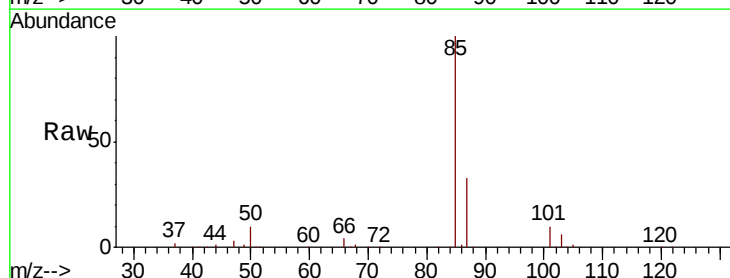
Acq: 5 Jun 2019 20:33

Tgt Ion: 85 Resp: 466604

Ion Ratio Lower Upper

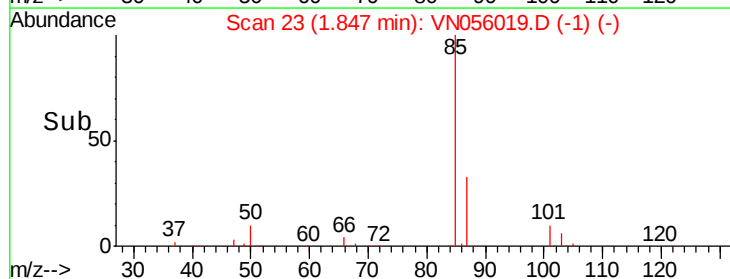
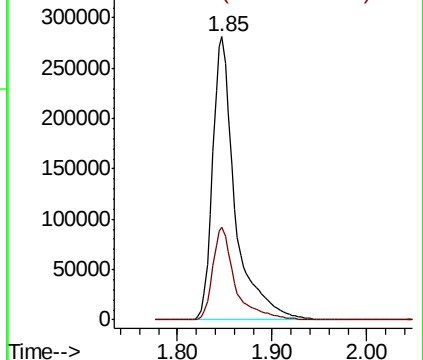
85 100

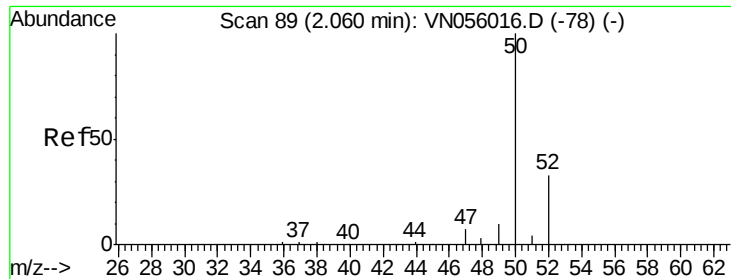
87 32.7 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 159.734 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

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ClientSampleId :

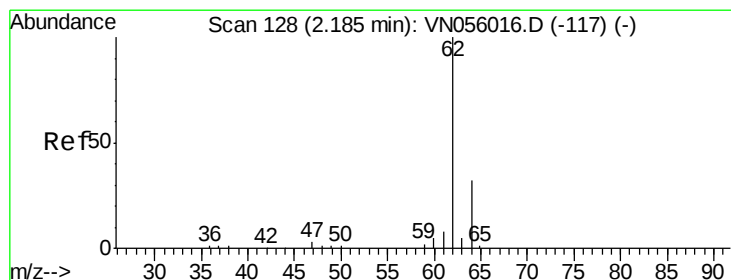
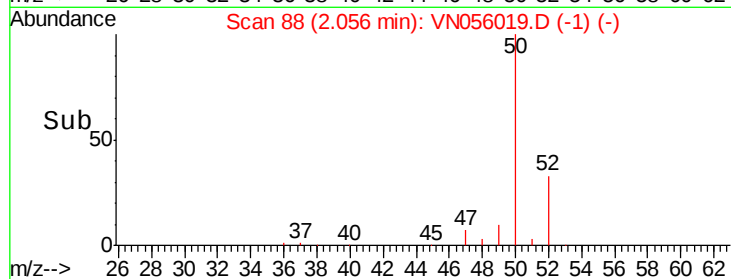
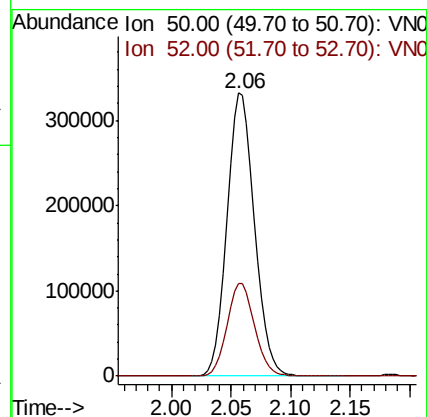
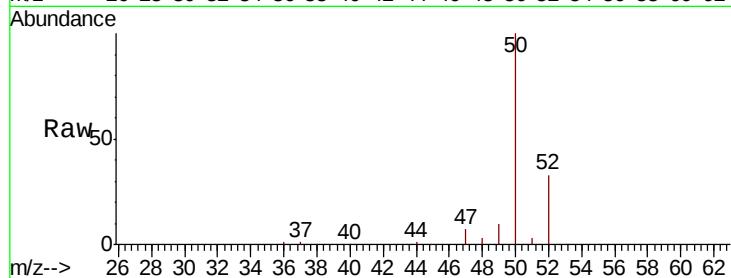
VSTDIC150

Tot Ion: 50 Resp: 531239

Ion Ratio Lower Upper

50 100

52 32.9 26.7 40.1



#4

Vinyl Chloride

Concen: 157.413 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056019.D

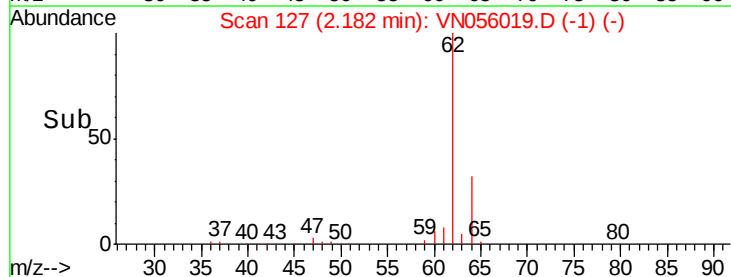
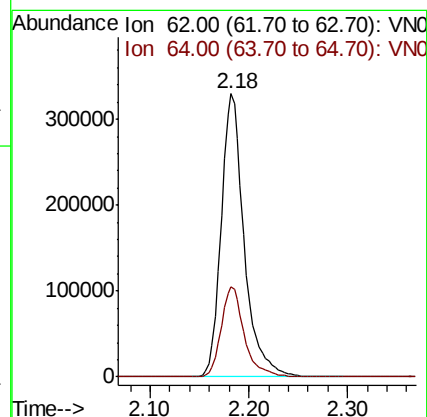
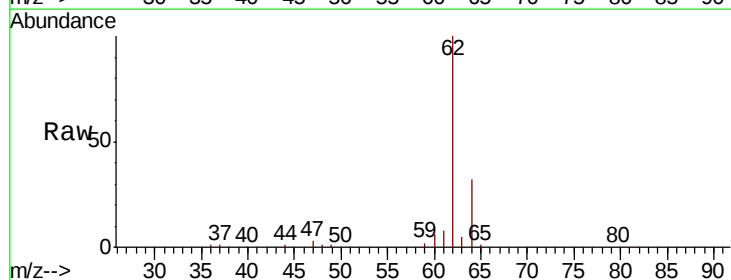
Acq: 5 Jun 2019 20:33

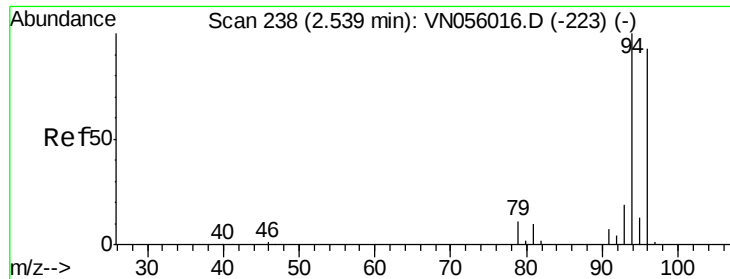
Tgt Ion: 62 Resp: 538043

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8

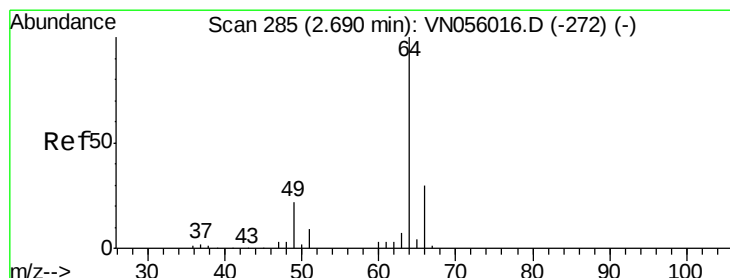
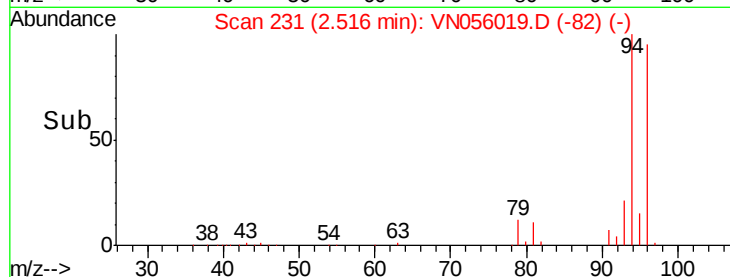
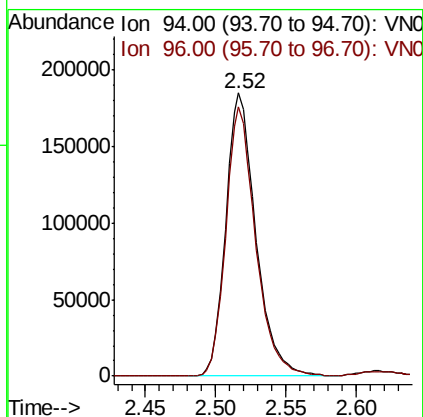
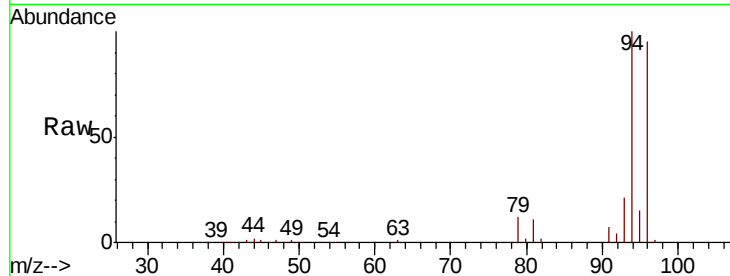




#5
Bromomethane
Concen: 134.178 ug/l
RT: 2.52 min Scan# 231
Delta R.T. -0.02 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

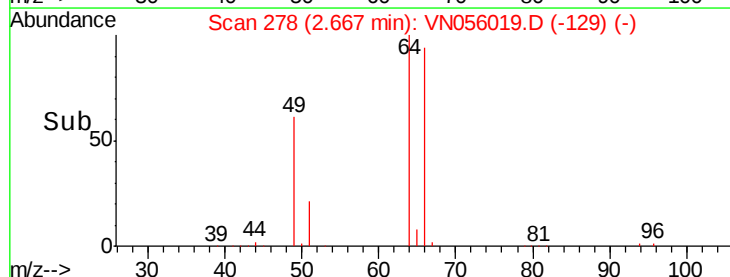
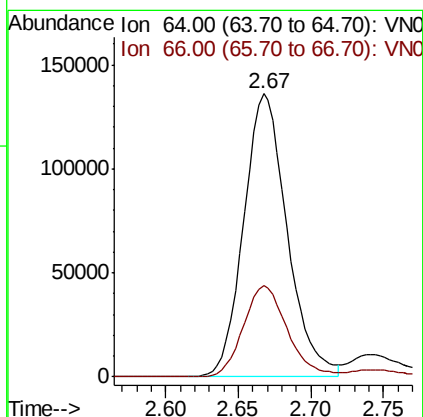
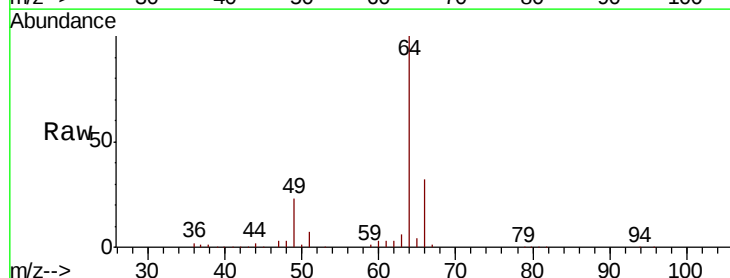
Instrument :
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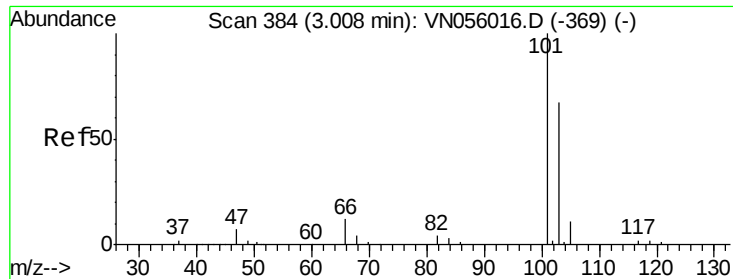
Tot Ion: 94 Resp: 275551
Ion Ratio Lower Upper
94 100
96 94.9 74.1 111.1



#6
Chloroethane
Concen: 143.120 ug/l
RT: 2.67 min Scan# 278
Delta R.T. -0.02 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion: 64 Resp: 284438
Ion Ratio Lower Upper
64 100
66 32.2 23.7 35.5



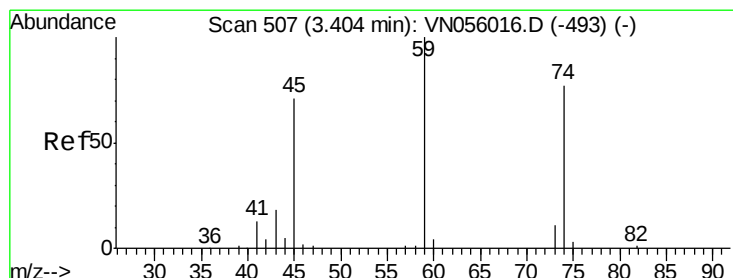
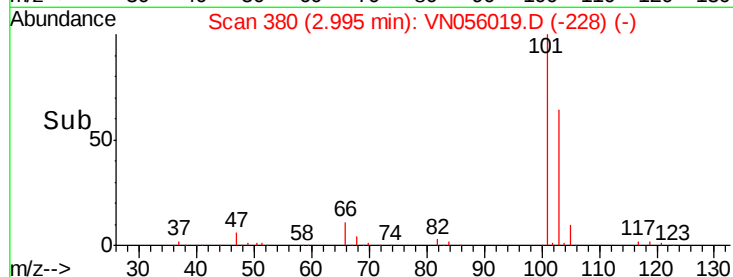
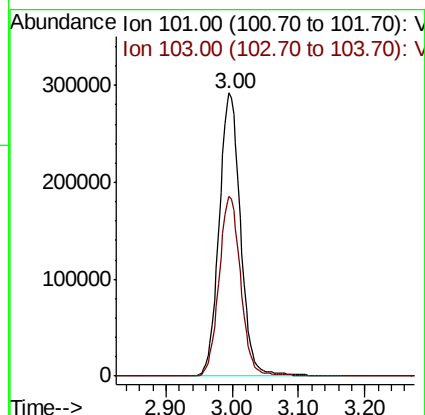
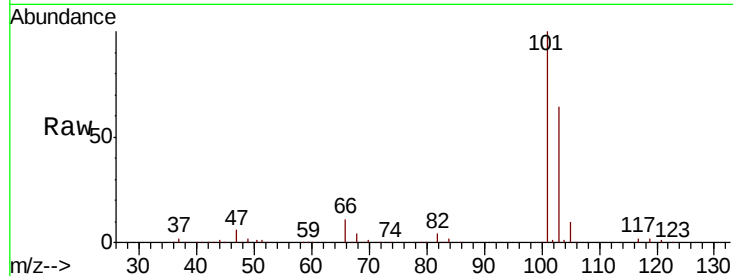


#7

Trichlorofluoromethane
 Concen: 152.831 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

Instrument :
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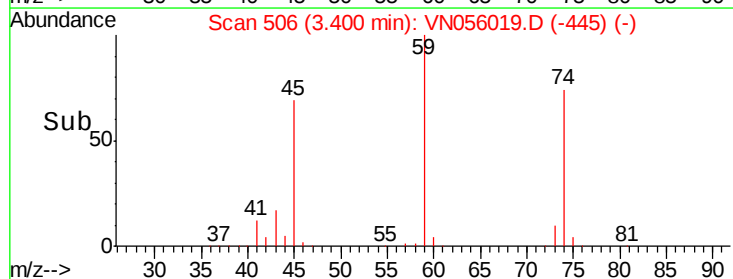
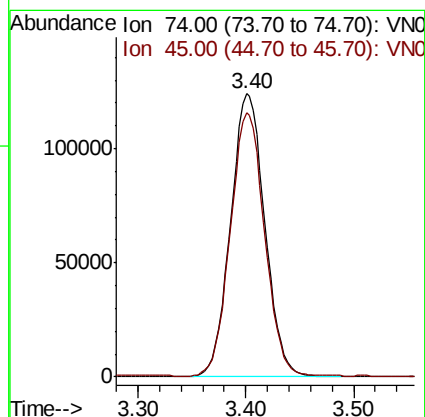
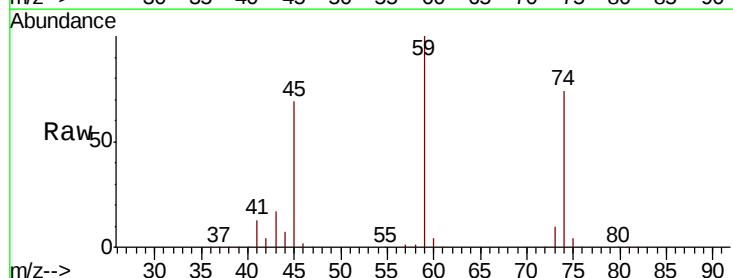
Tot Ion:101 Resp: 654854
 Ion Ratio Lower Upper
 101 100
 103 63.6 53.4 80.0

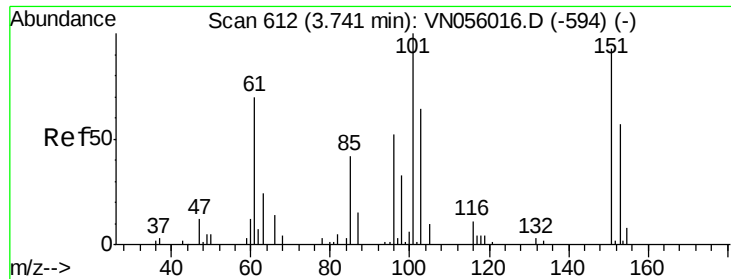


#8

Diethyl Ether
 Concen: 146.987 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

Tgt Ion: 74 Resp: 273839
 Ion Ratio Lower Upper
 74 100
 45 93.5 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.860 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

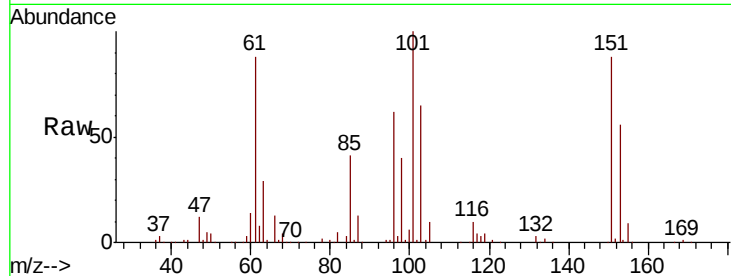
Tot Ion:101 Resp: 402377

Ion Ratio Lower Upper

101 100

85 41.0 0.0 82.0

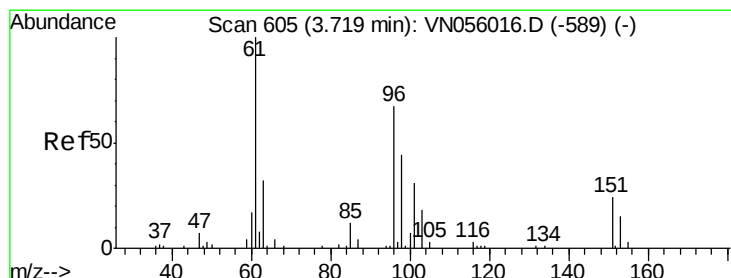
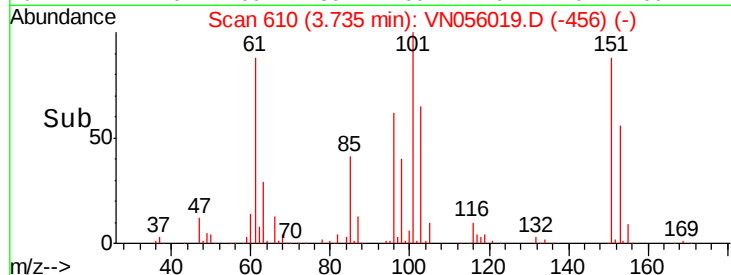
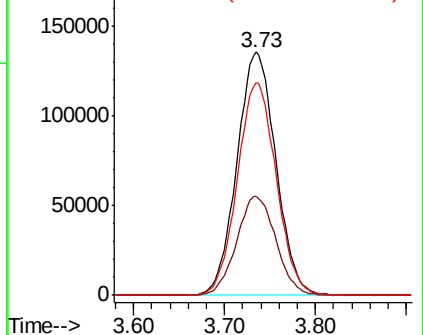
151 87.6 0.0 177.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 151.799 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

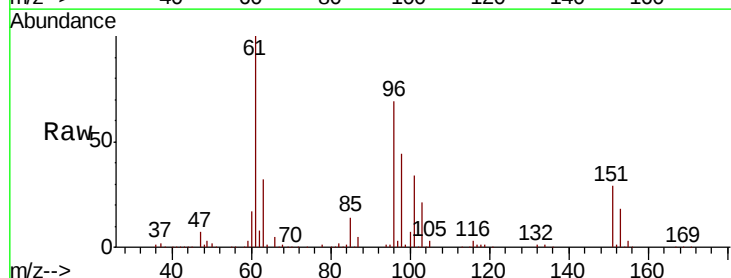
Tgt Ion: 96 Resp: 423218

Ion Ratio Lower Upper

96 100

61 144.1 119.7 179.5

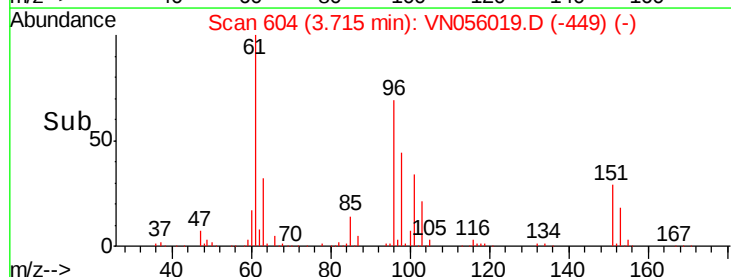
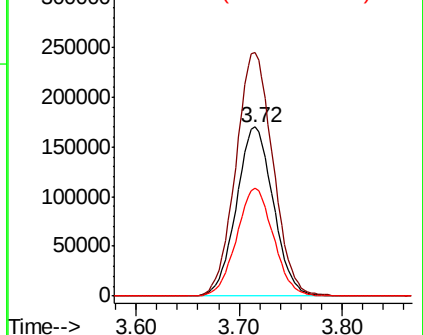
98 63.7 52.3 78.5

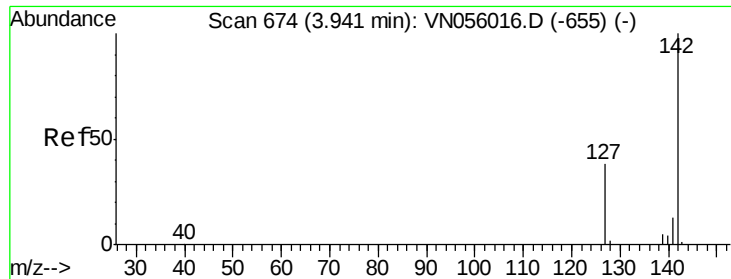


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

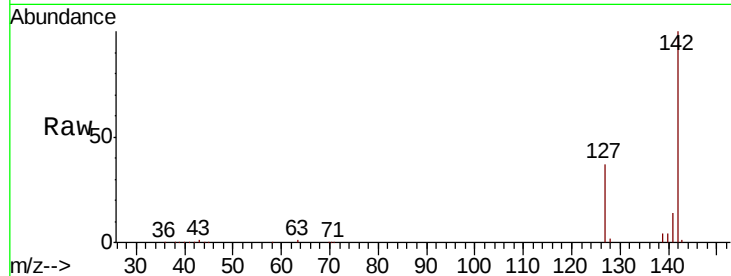




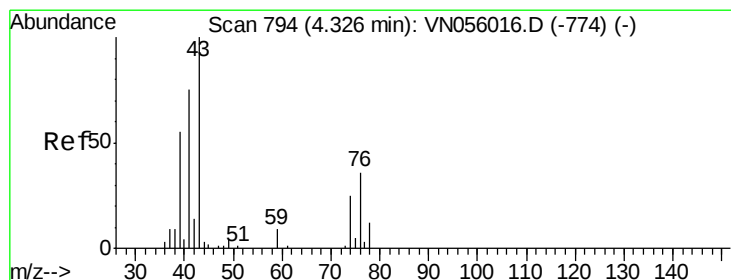
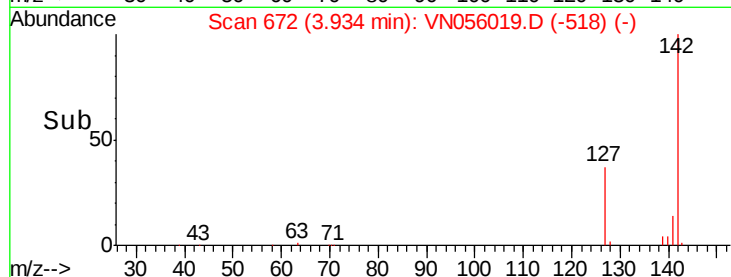
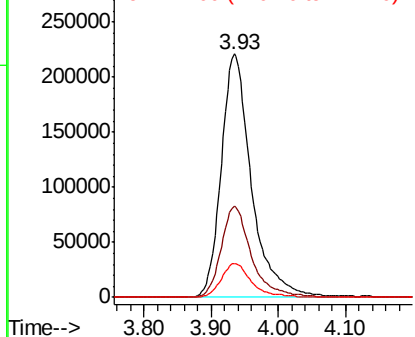
#11
Methyl Iodide
Concen: 170.495 ug/l
RT: 3.93 min Scan# 672
Delta R.T. -0.01 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:142 Resp: 691468
Ion Ratio Lower Upper
142 100
127 37.4 19.0 57.0
141 13.9 6.7 20.0

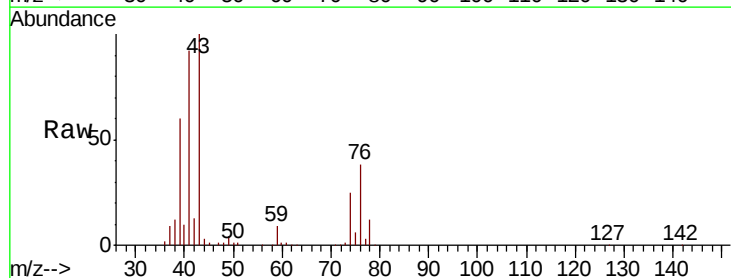


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

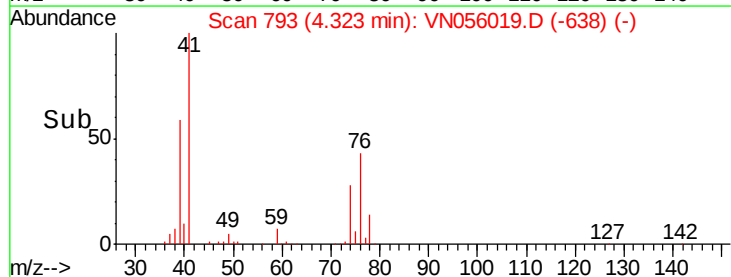
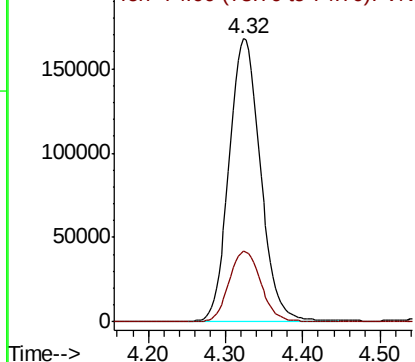


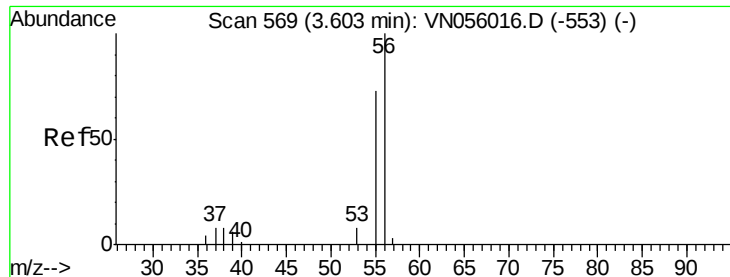
#12
Methyl Acetate
Concen: 137.867 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion: 43 Resp: 468624
Ion Ratio Lower Upper
43 100
74 24.9 19.9 29.9



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

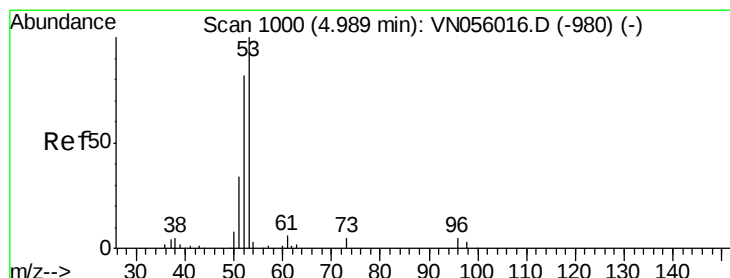
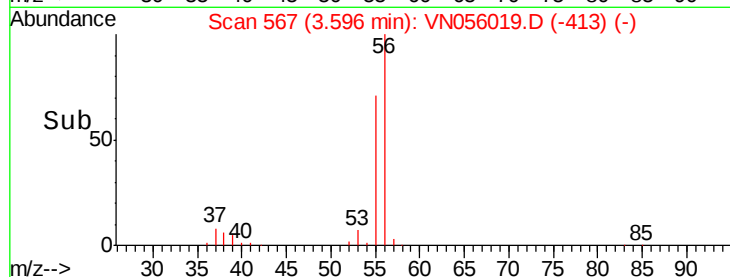
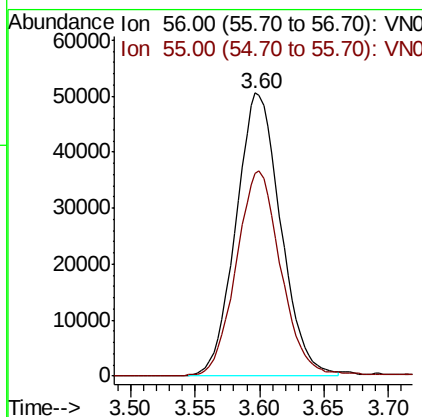
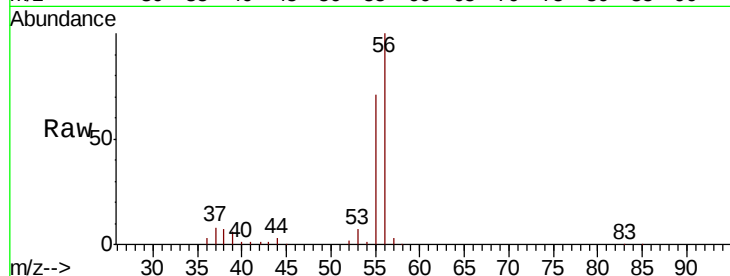




#13
Acrolein
Concen: 294.842 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.01 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

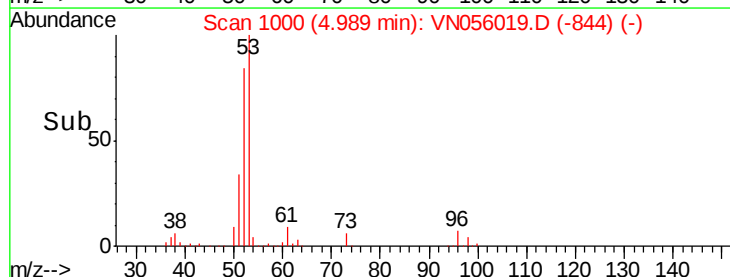
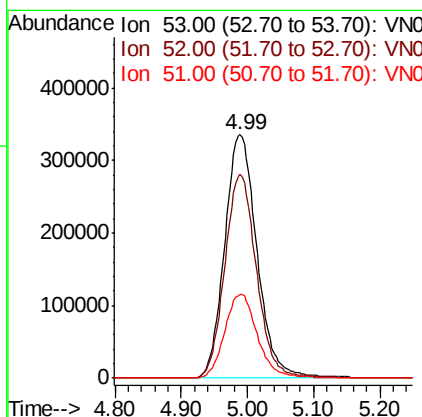
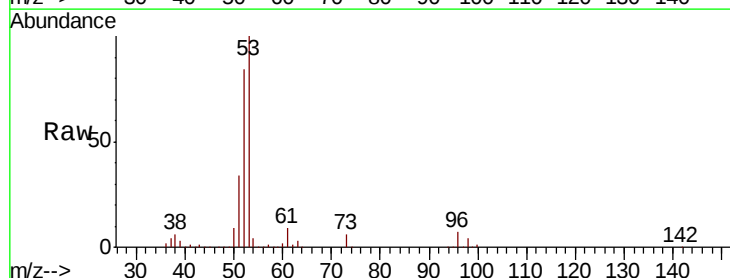
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

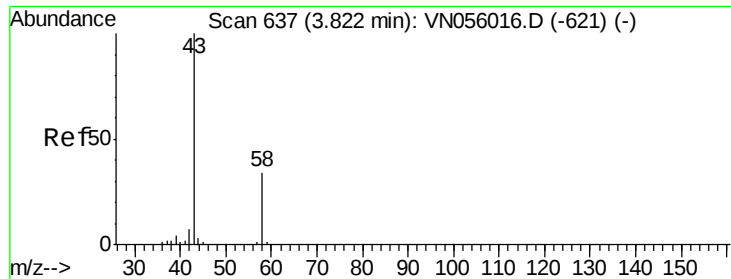
Tot Ion: 56 Resp: 122315
Ion Ratio Lower Upper
56 100
55 72.1 57.9 86.9



#14
Acrylonitrile
Concen: 740.633 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion: 53 Resp: 1138075
Ion Ratio Lower Upper
53 100
52 82.0 40.8 122.2
51 35.0 17.3 52.0





#15

Acetone

Concen: 728.108 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

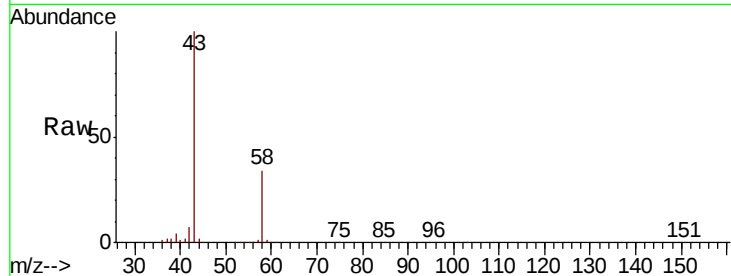
VSTDIC150

Tot Ion: 58 Resp: 353840

Ion Ratio Lower Upper

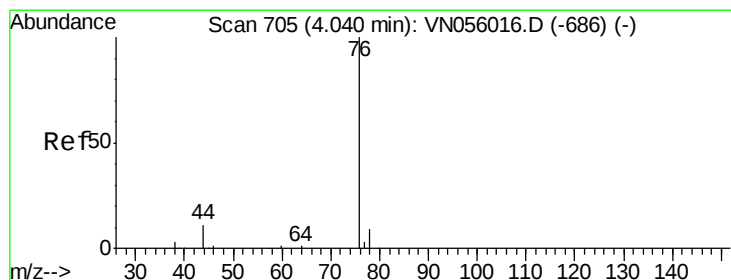
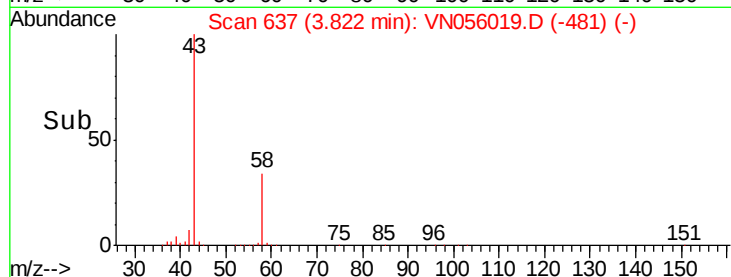
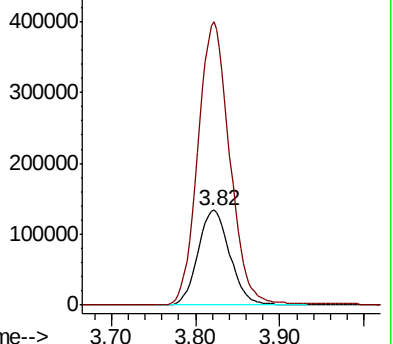
58 100

43 297.4 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN056019.D (-549) (-)

Ion 43.00 (42.70 to 43.70): VN056019.D (-481) (-)



#16

Carbon Disulfide

Concen: 145.065 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN056019.D

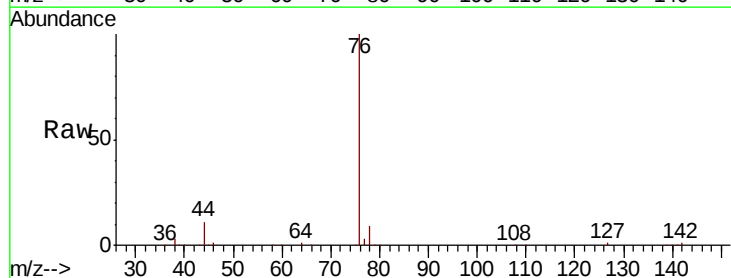
Acq: 5 Jun 2019 20:33

Tgt Ion: 76 Resp: 1107864

Ion Ratio Lower Upper

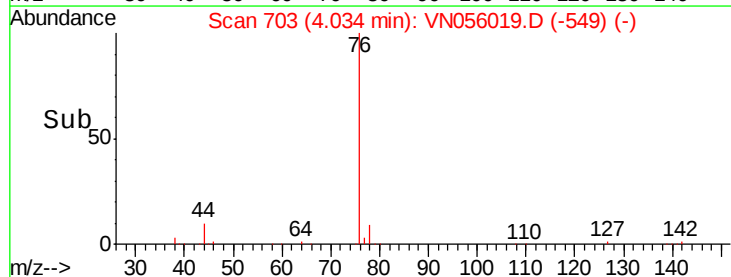
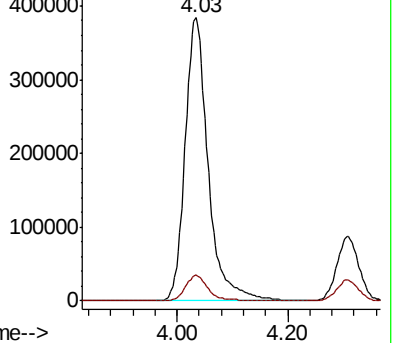
76 100

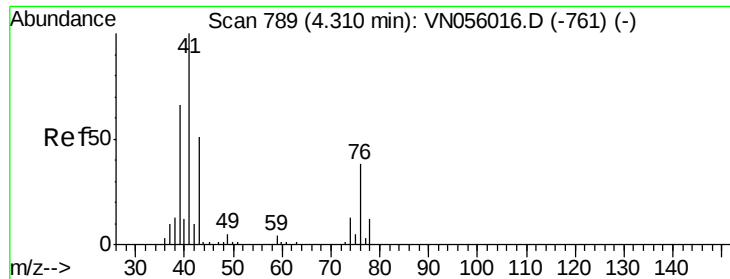
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN056019.D (-549) (-)

Ion 78.00 (77.70 to 78.70): VN056019.D (-549) (-)





#17

Allvl chloride

Concen: 138.226 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

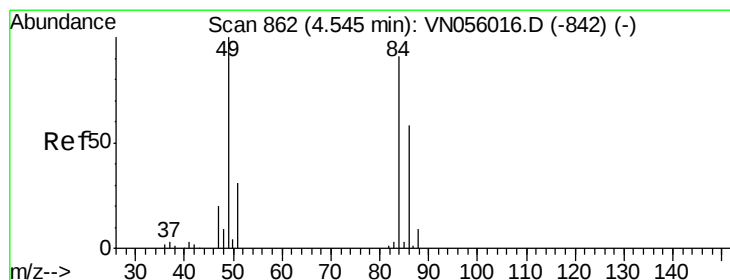
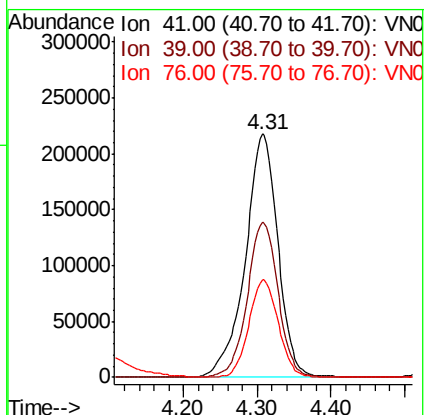
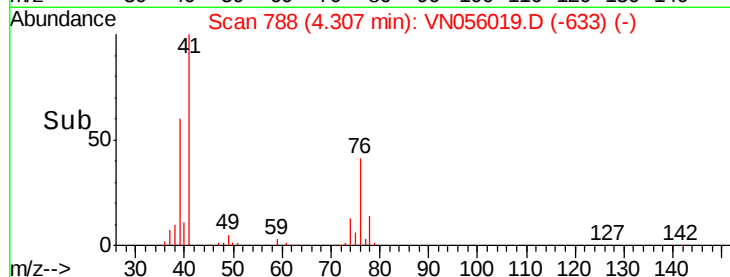
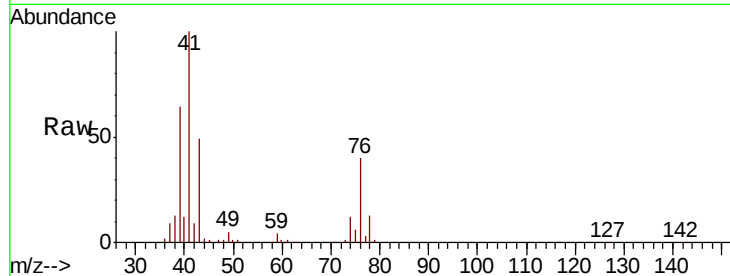
Tot Ion: 41 Resp: 672152

Ion Ratio Lower Upper

41 100

39 63.7 33.0 99.0

76 39.8 18.9 56.9



#18

Methylene Chloride

Concen: 149.884 ug/l

RT: 4.54 min Scan# 860

Delta R.T. -0.01 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Tgt Ion: 84 Resp: 479078

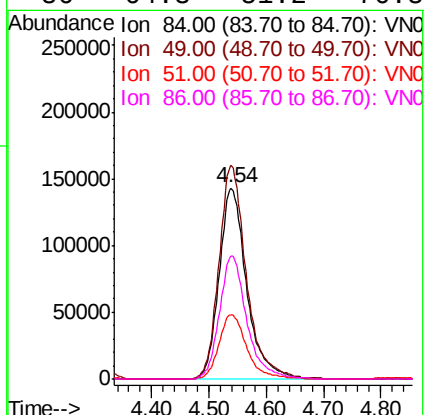
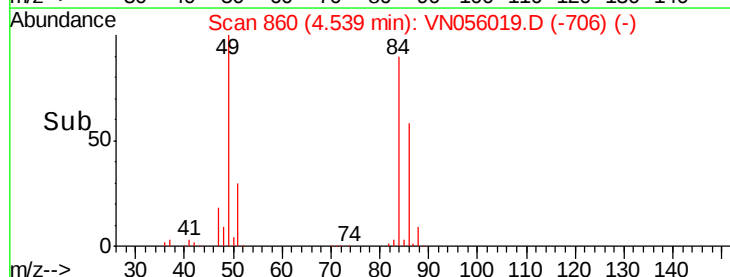
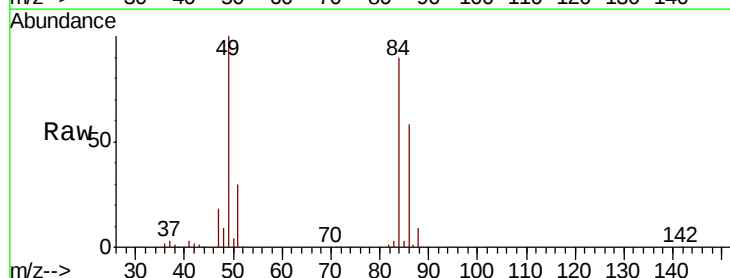
Ion Ratio Lower Upper

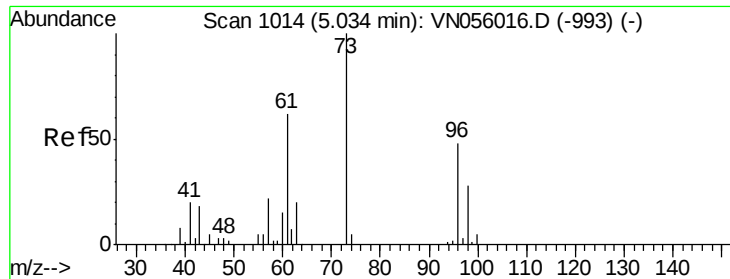
84 100

49 111.7 87.6 131.4

51 33.7 27.0 40.4

86 64.3 51.2 76.8

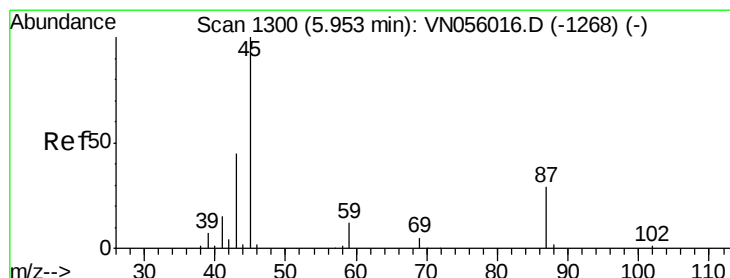
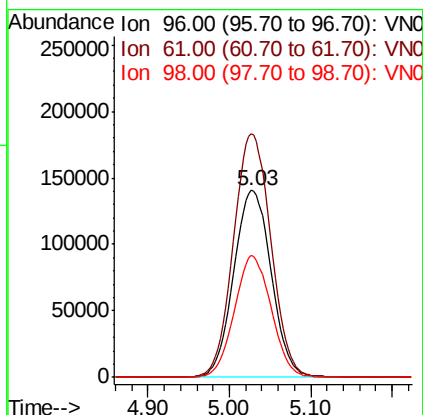
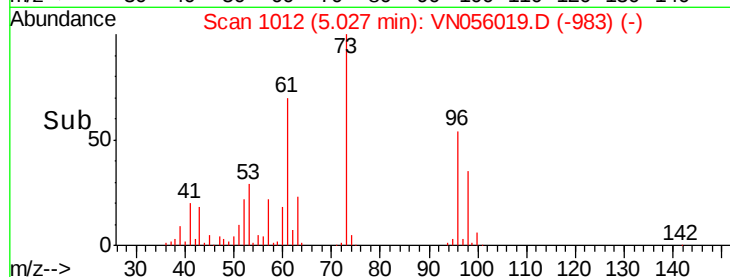
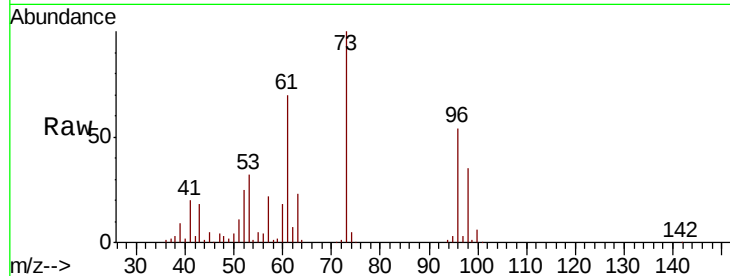




#19
trans-1,2-Dichloroethene
Concen: 149.795 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

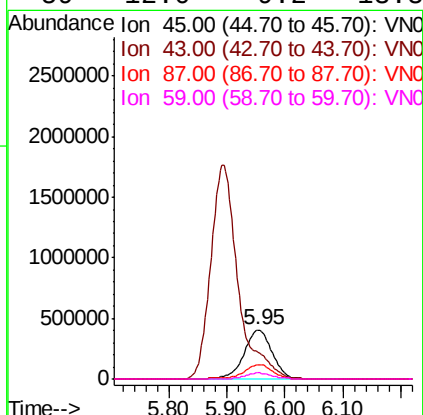
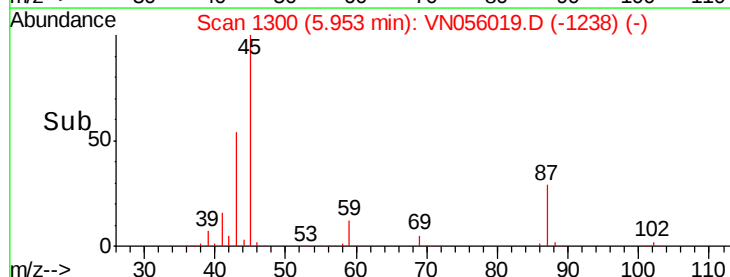
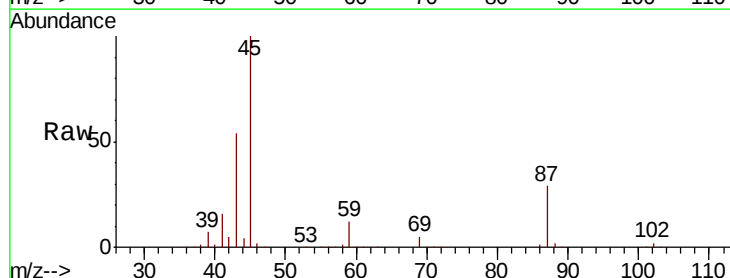
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

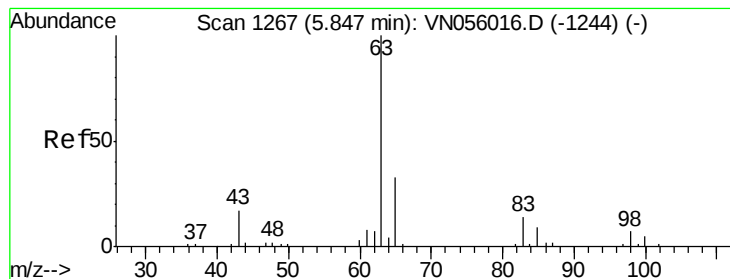
Tot Ion: 96 Resp: 449062
Ion Ratio Lower Upper
96 100
61 130.3 102.5 153.7
98 65.0 46.9 70.3



#20
Diisopropyl ether
Concen: 141.970 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion: 45 Resp: 1364648
Ion Ratio Lower Upper
45 100
43 53.4 48.0 72.0
87 29.1 23.4 35.2
59 12.0 9.2 13.8





#21

1,1-Dichloroethane

Concen: 142.948 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

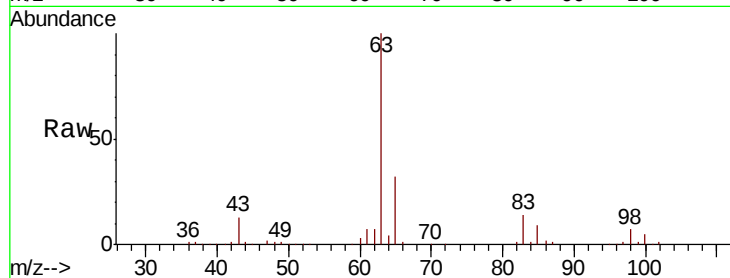
Tot Ion: 63 Resp: 777202

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

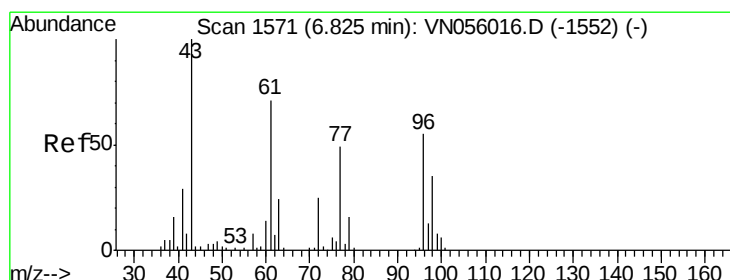
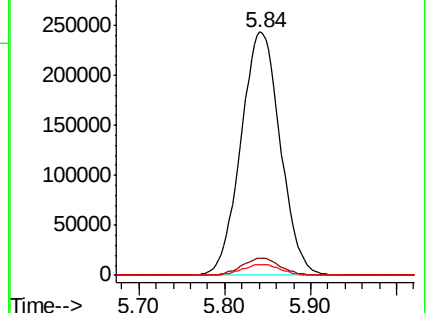
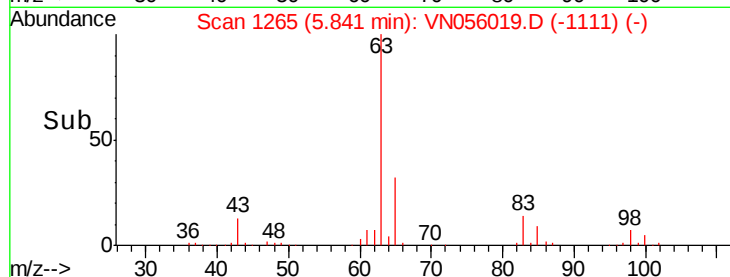
100 4.5 2.3 6.9



Abundance Ion 63.00 (62.70 to 63.70): VN056019.D (-1111) (-)

Ion 98.00 (97.70 to 98.70): VN056019.D (-1111) (-)

Ion 100.00 (99.70 to 100.70): VN056019.D (-1111) (-)



#22

cis-1,2-Dichloroethene

Concen: 149.448 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

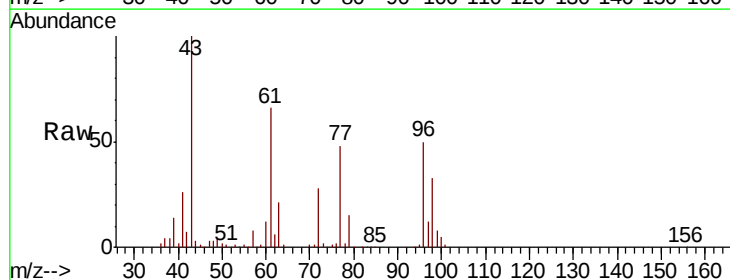
Tgt Ion: 96 Resp: 522677

Ion Ratio Lower Upper

96 100

61 131.9 105.7 158.5

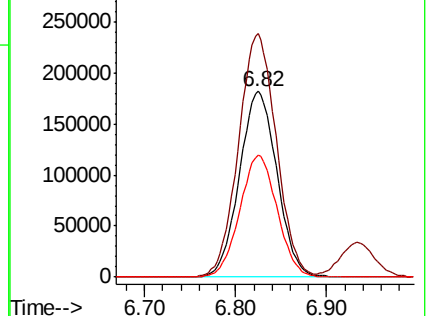
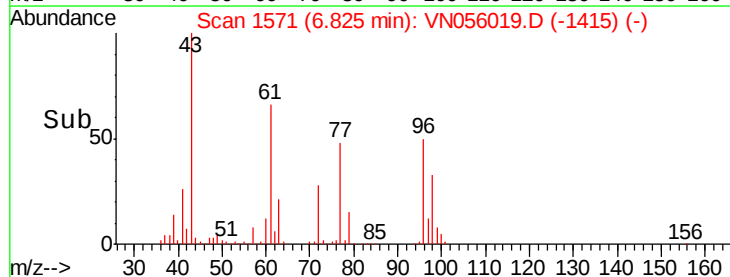
98 65.3 52.0 78.0

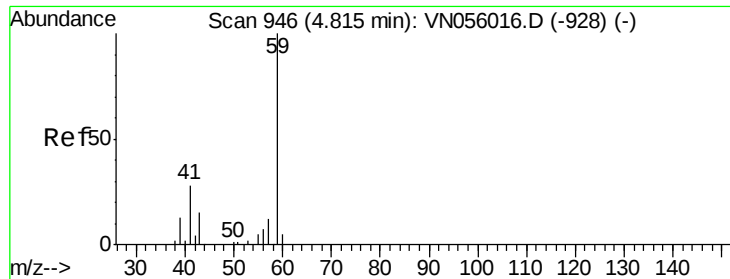


Abundance Ion 96.00 (95.70 to 96.70): VN056019.D (-1415) (-)

Ion 61.00 (60.70 to 61.70): VN056019.D (-1415) (-)

Ion 98.00 (97.70 to 98.70): VN056019.D (-1415) (-)

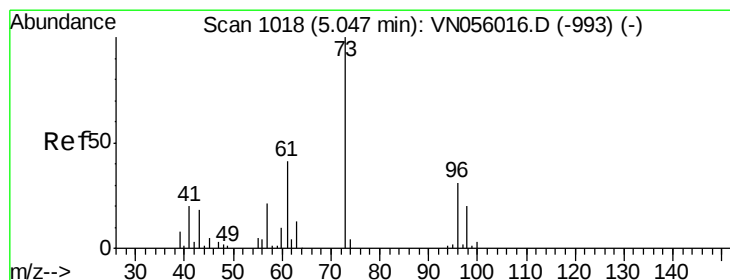
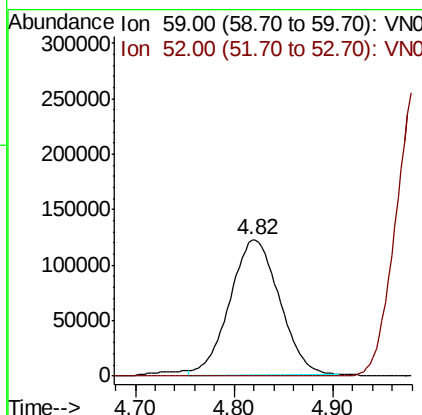
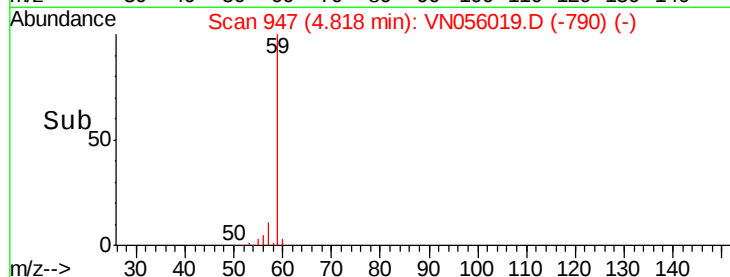
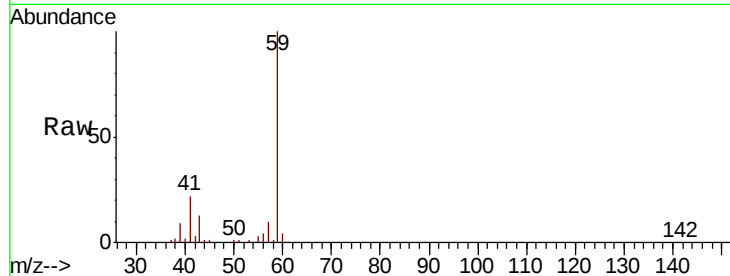




#23
tert-Butyl Alcohol
Concen: 648.265 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

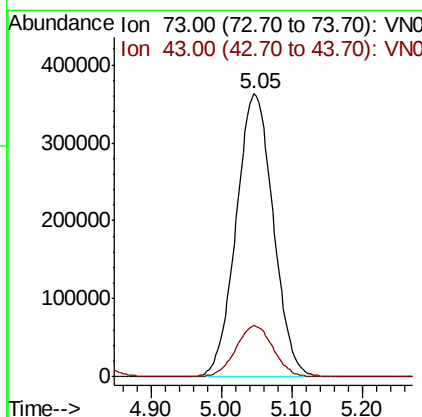
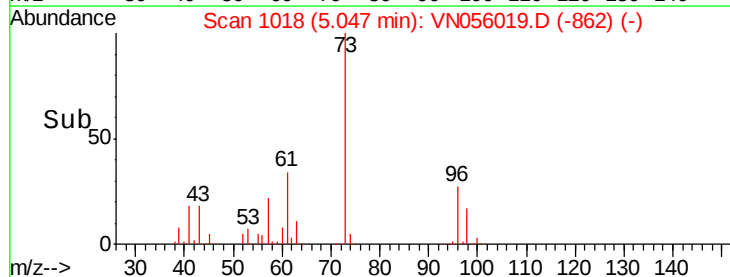
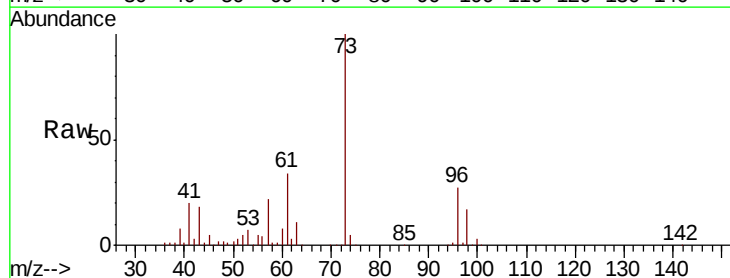
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

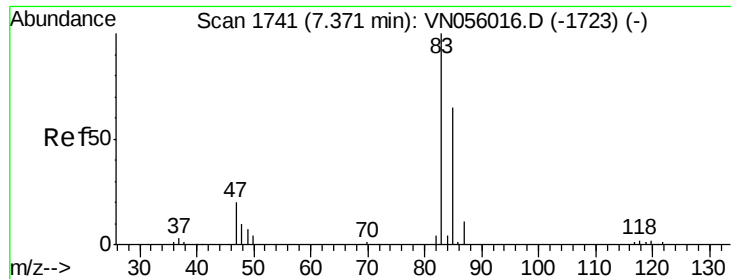
Tot Ion: 59 Resp: 426259
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0#



#24
Methyl tert-Butyl Ether
Concen: 142.586 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion: 73 Resp: 1331586
Ion Ratio Lower Upper
73 100
43 18.0 15.4 23.0

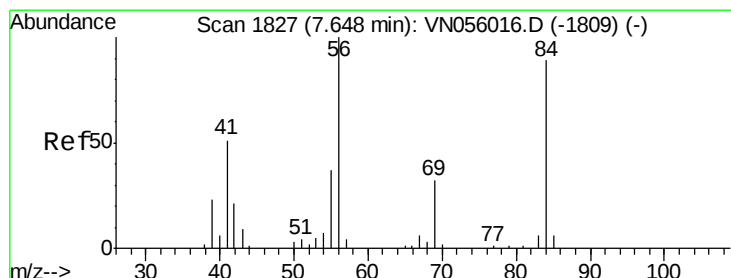
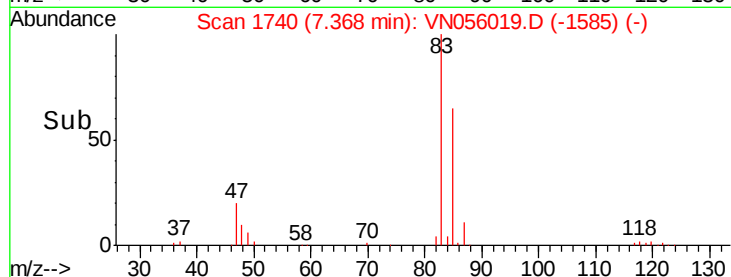
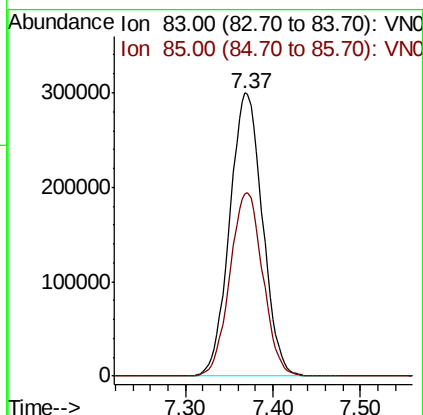
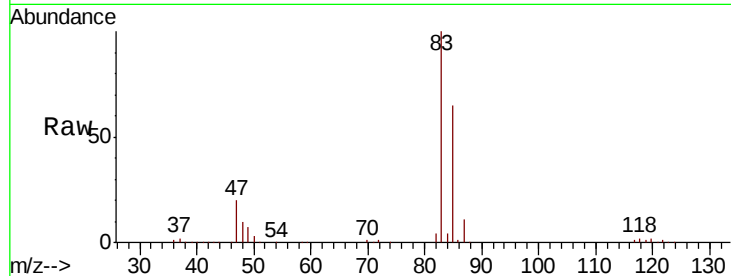




#25
Chloroform
Concen: 144.623 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

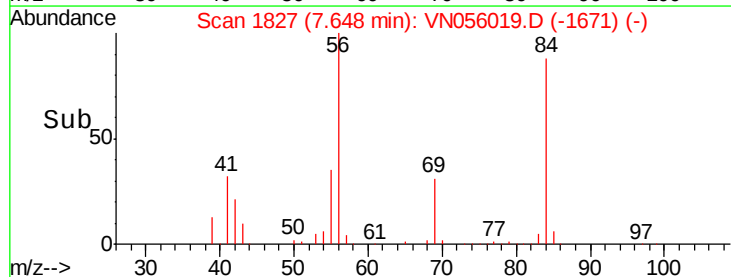
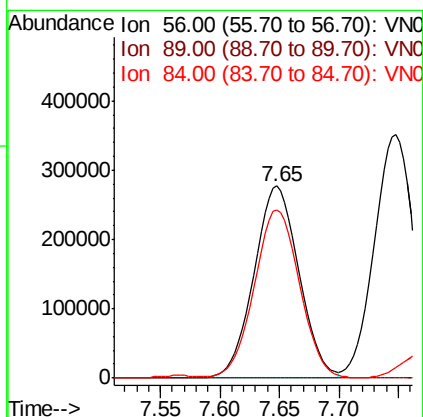
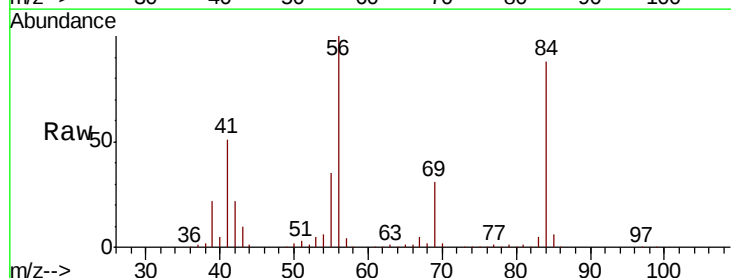
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

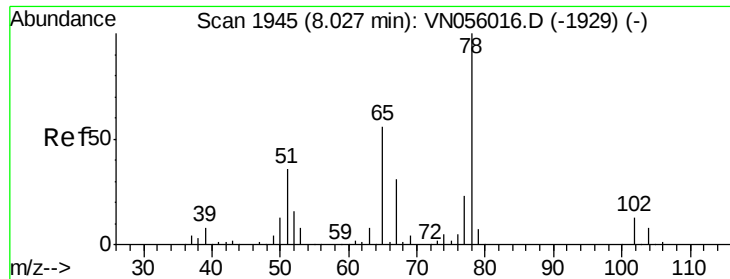
Tot Ion: 83 Resp: 779695
Ion Ratio Lower Upper
83 100
85 64.6 52.0 78.0



#26
Cyclohexane
Concen: 144.012 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion: 56 Resp: 724753
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.5 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 28.413 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

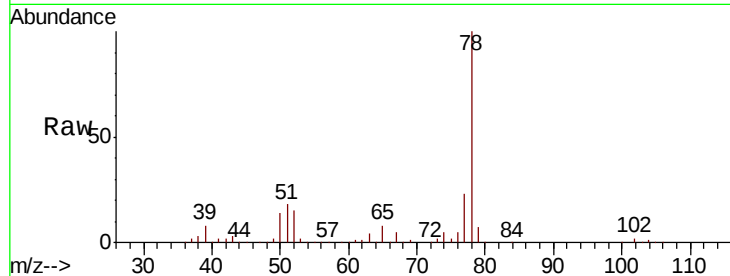
VSTDIC150

Tot Ion: 65 Resp: 97665

Ion Ratio Lower Upper

65 100

67 55.5 43.4 65.2



Abundance Ion 65.00 (64.70 to 65.70): VN056016.D (-1929) (-)

Ion 67.00 (66.70 to 67.70): VN056016.D (-1929) (-)

8.02

40000

30000

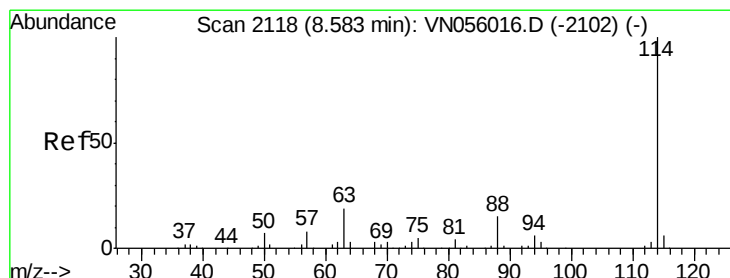
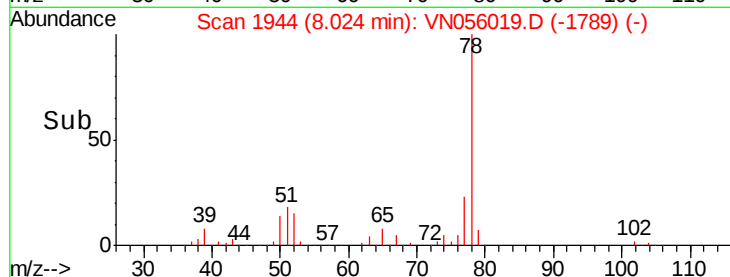
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

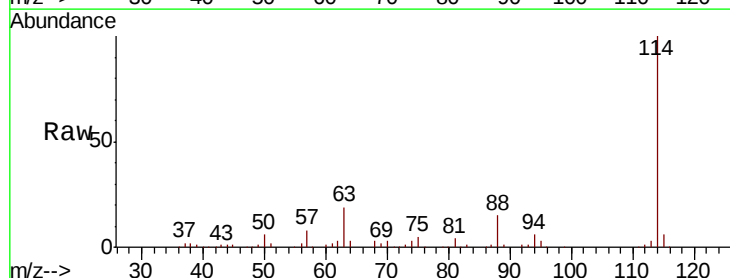
Tgt Ion: 114 Resp: 295160

Ion Ratio Lower Upper

114 100

63 18.5 14.7 22.1

88 15.1 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): VN056016.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN056016.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN056016.D (-2102) (-)

8.58

150000

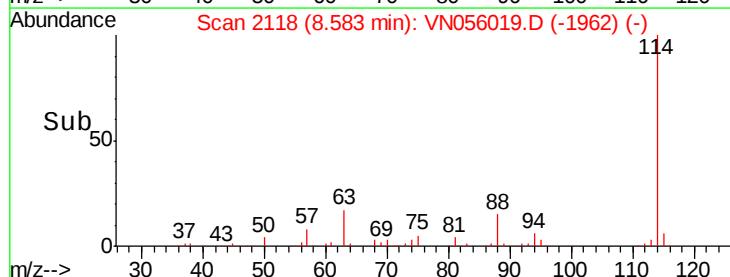
100000

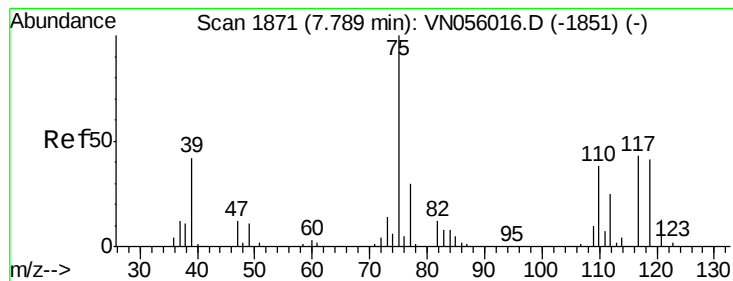
50000

0

8.50 8.60 8.70

Time-->





#29

1,1-Dichloropropene

Concen: 147.480 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

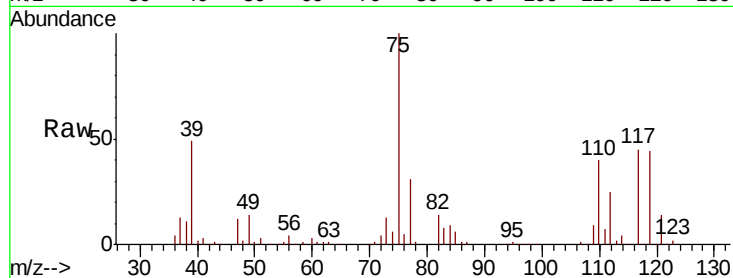
Tot Ion: 75 Resp: 602813

Ion Ratio Lower Upper

75 100

110 39.2 0.0 77.0

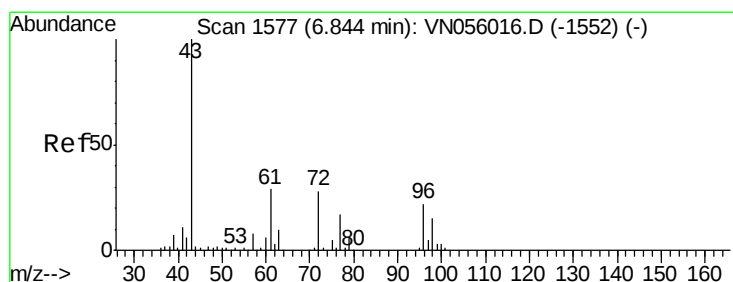
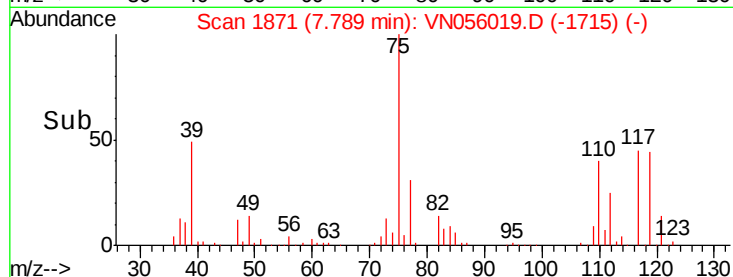
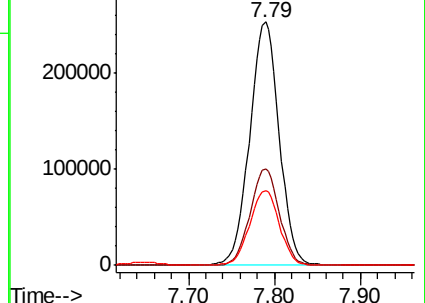
77 31.1 0.0 62.4



Abundance Ion 75.00 (74.70 to 75.70): VN056019.D (-1715) (-)

Ion 110.00 (109.70 to 110.70): VN056019.D (-1715) (-)

Ion 77.00 (76.70 to 77.70): VN056019.D (-1715) (-)



#30

2-Butanone

Concen: 720.330 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

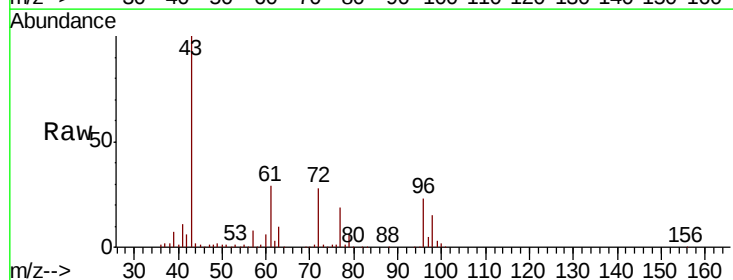
Tgt Ion: 43 Resp: 1564396

Ion Ratio Lower Upper

43 100

57 8.5 6.7 10.1

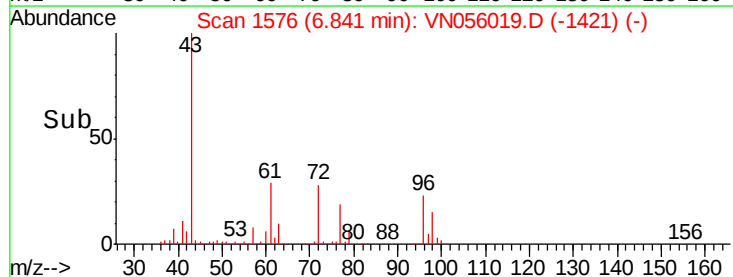
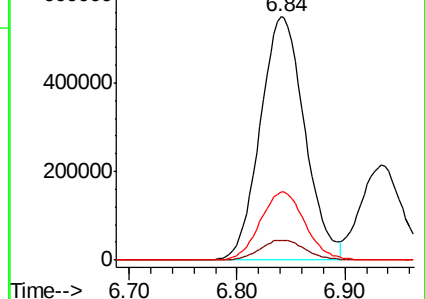
72 28.5 22.4 33.6

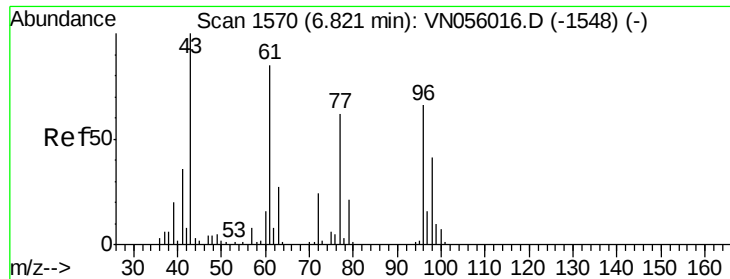


Abundance Ion 43.00 (42.70 to 43.70): VN056019.D (-1421) (-)

Ion 57.00 (56.70 to 57.70): VN056019.D (-1421) (-)

Ion 72.00 (71.70 to 72.70): VN056019.D (-1421) (-)





#31

2,2-Dichloropropane

Concen: 123.313 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

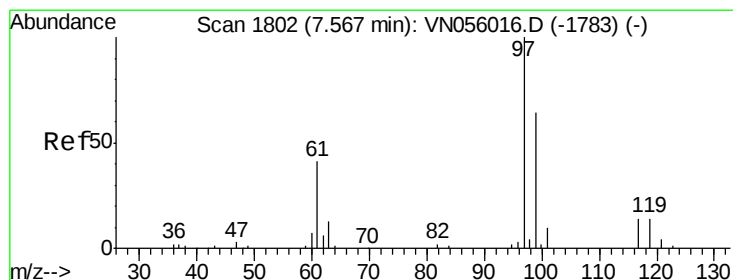
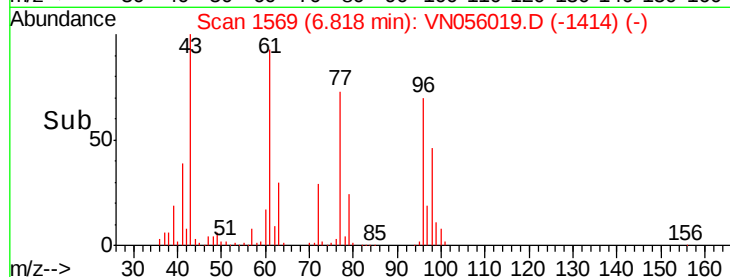
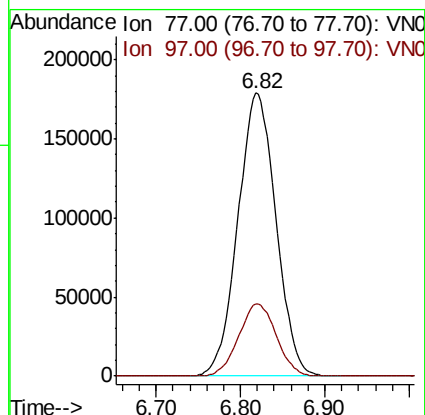
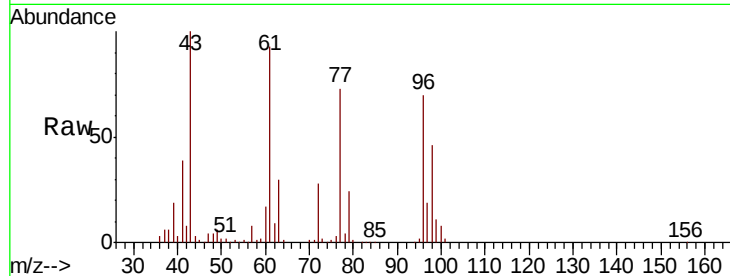
VSTDIC150

Tot Ion: 77 Resp: 560541

Ion Ratio Lower Upper

77 100

97 25.4 20.8 31.2



#32

1,1,1-Trichloroethane

Concen: 140.478 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

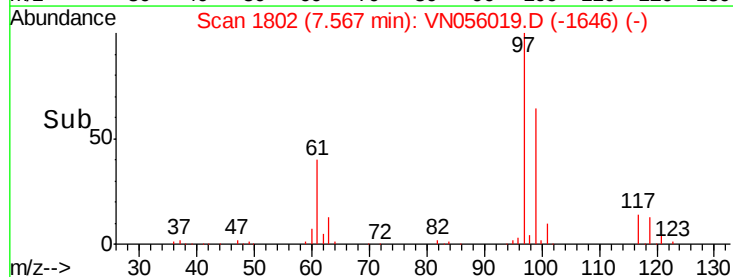
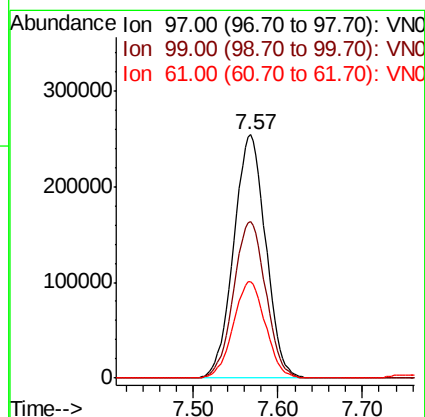
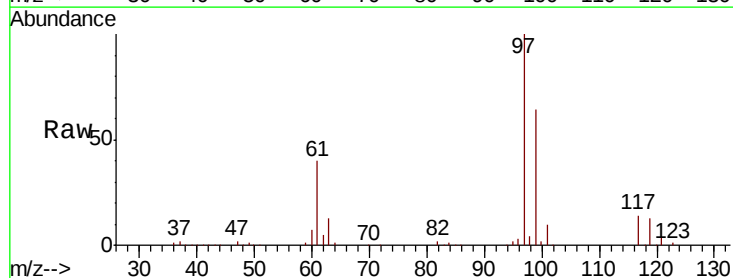
Tgt Ion: 97 Resp: 670942

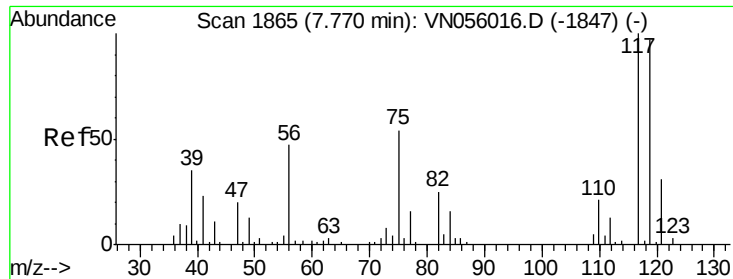
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 40.0 32.9 49.3





#33

Carbon Tetrachloride

Concen: 139.123 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

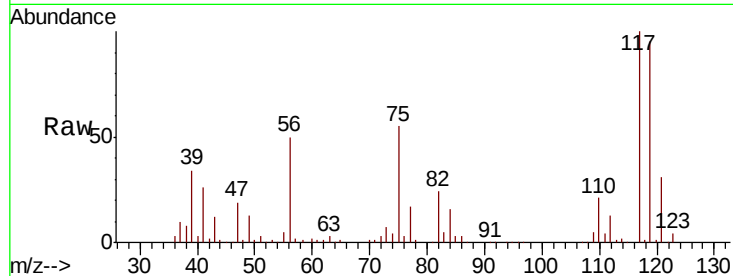
Tot Ion:117 Resp: 586025

Ion Ratio Lower Upper

117 100

119 95.1 77.3 115.9

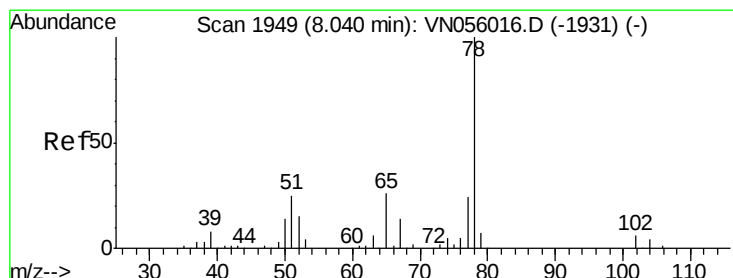
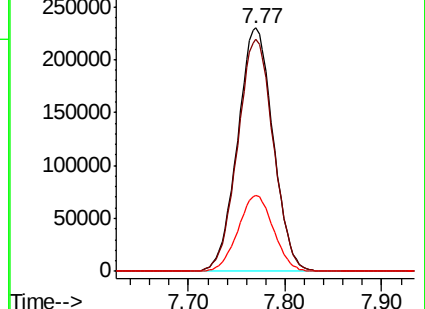
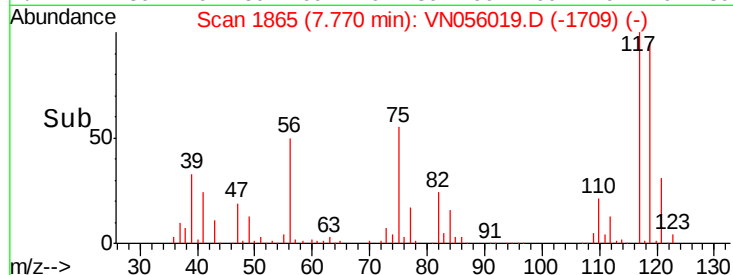
121 31.1 25.0 37.4



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: 146.953 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

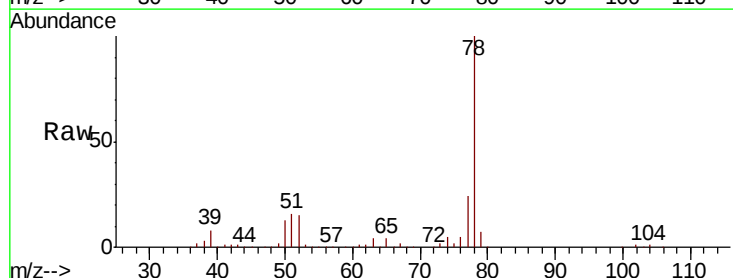
Tgt Ion: 78 Resp: 1868064

Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9

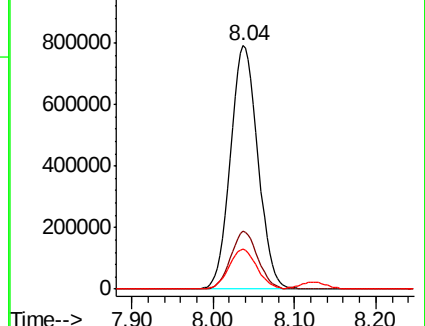
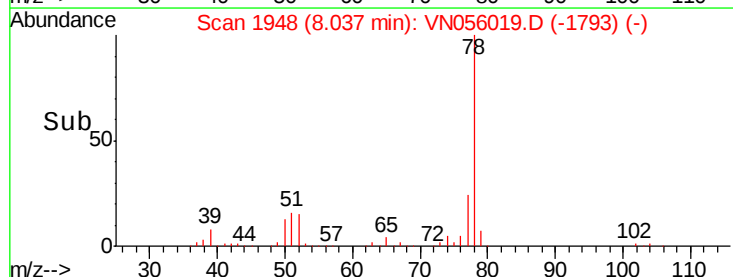
51 16.3 19.8 29.8#

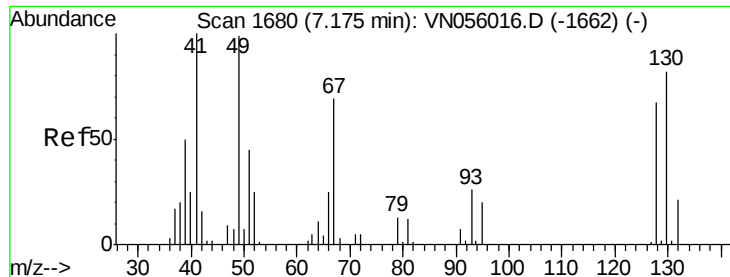


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

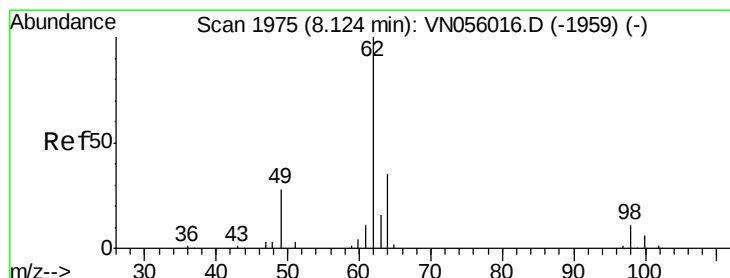
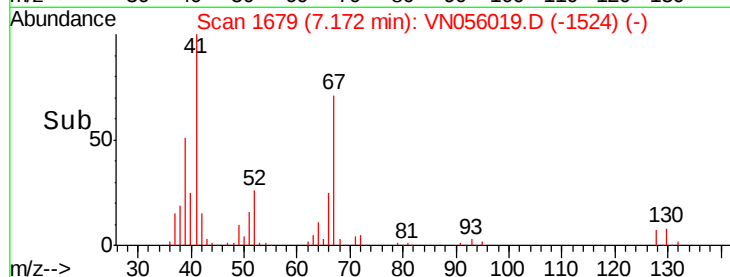
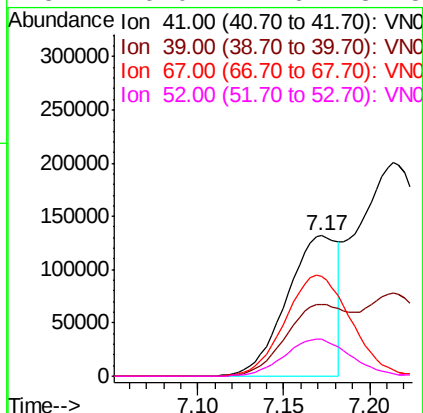
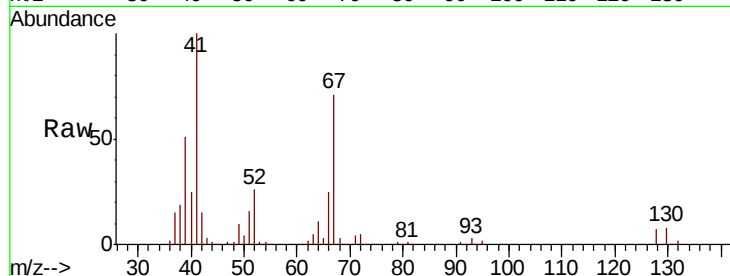




#35
Methacrylonitrile
Concen: 133.267 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

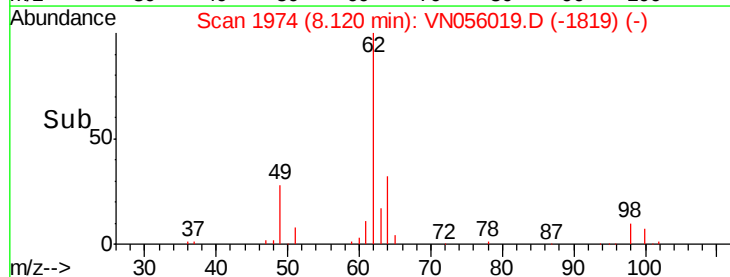
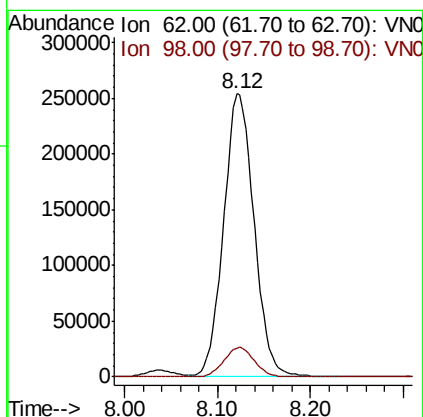
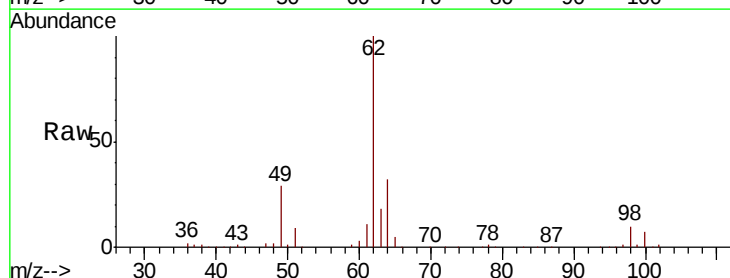
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

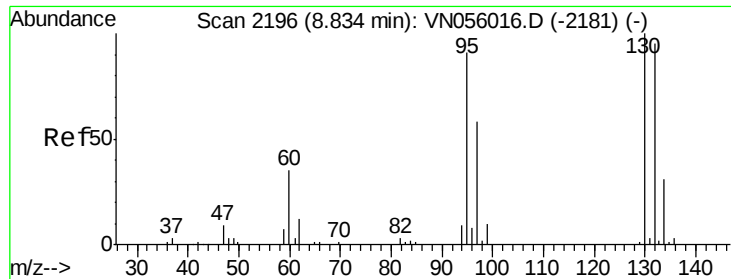
Tot Ion:	41	Resp:	269713
Ion	Ratio	Lower	Upper
41	100		
39	51.1	24.8	74.3
67	71.1	34.3	102.9
52	26.0	12.6	37.8



#36
1,2-Dichloroethane
Concen: 140.245 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion:	62	Resp:	576517
Ion	Ratio	Lower	Upper
62	100		
98	10.4	8.6	13.0

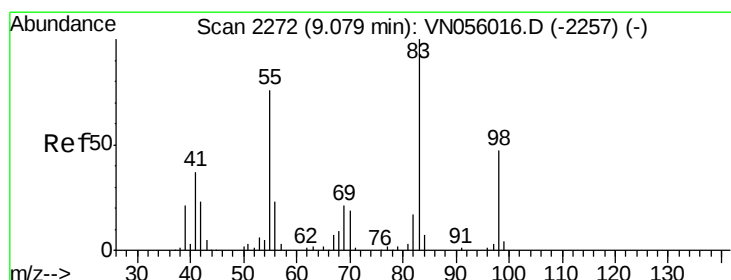
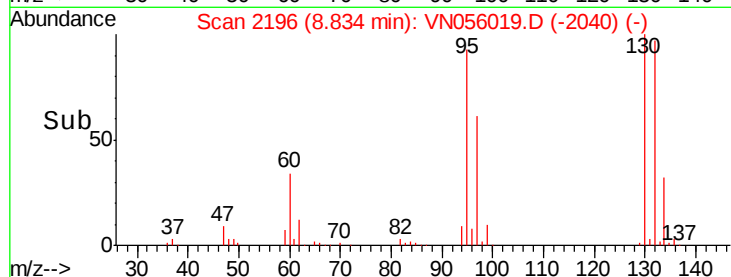
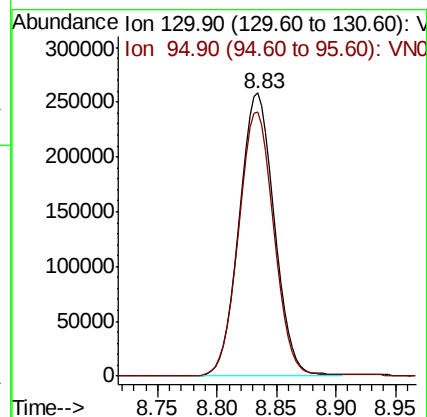
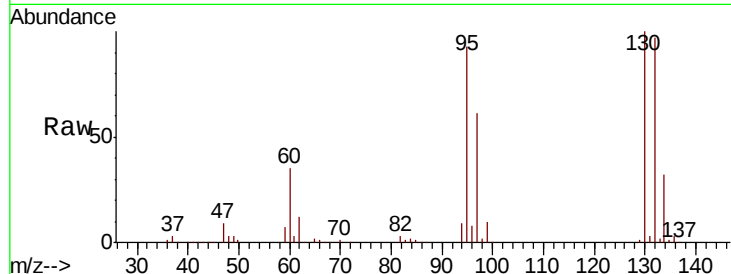




#37
 Trichloroethene
 Concen: 149.016 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

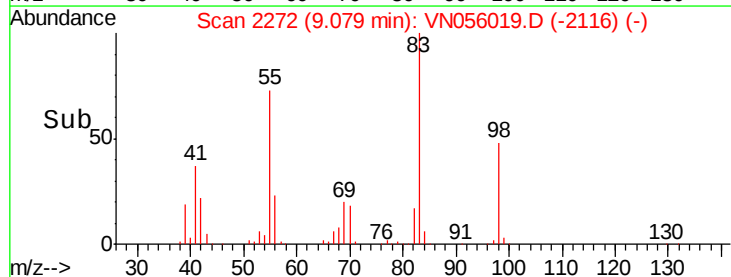
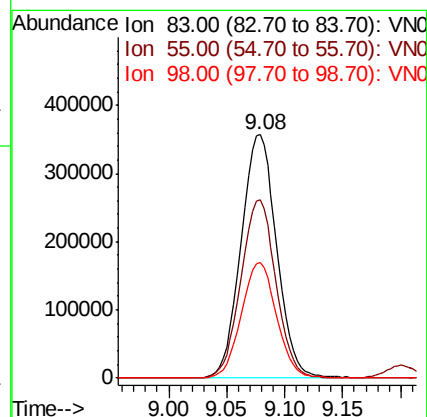
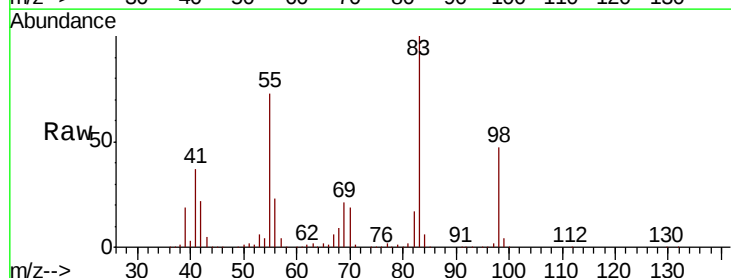
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

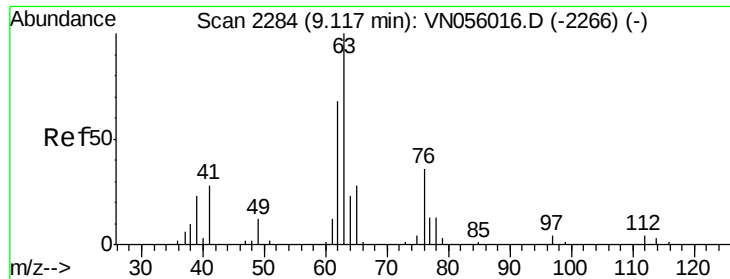
Tot Ion:130 Resp: 530077
 Ion Ratio Lower Upper
 130 100
 95 93.3 73.0 109.6



#38
 Methylcyclohexane
 Concen: 147.525 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

Tgt Ion: 83 Resp: 763731
 Ion Ratio Lower Upper
 83 100
 55 72.0 37.5 112.7
 98 47.0 23.1 69.3

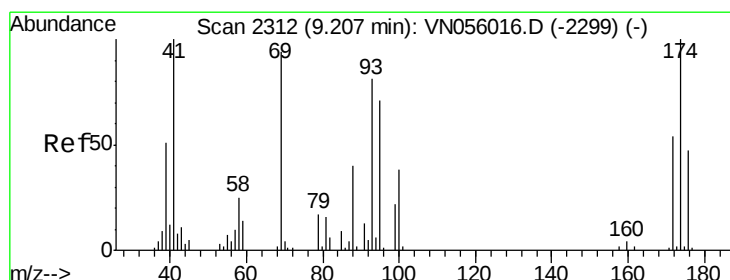
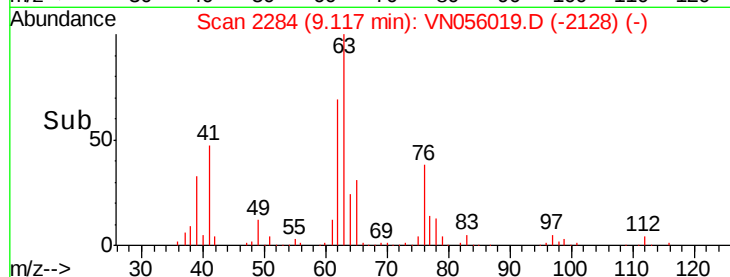
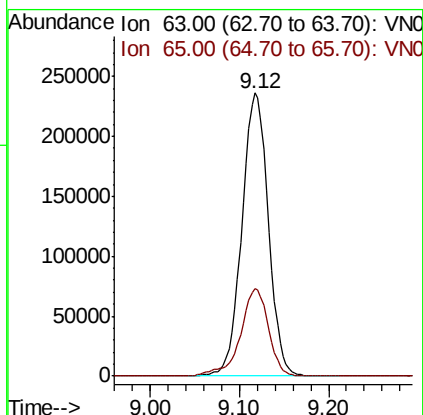
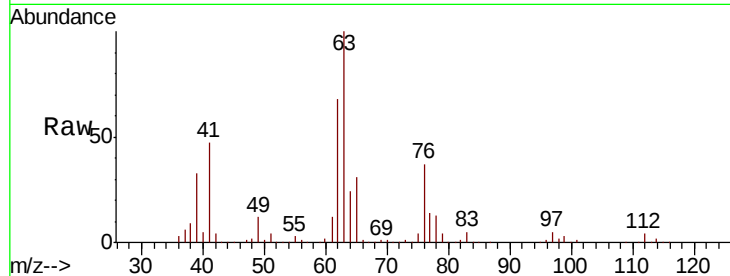




#39
 1,2-Dichloropropane
 Concen: 143.493 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

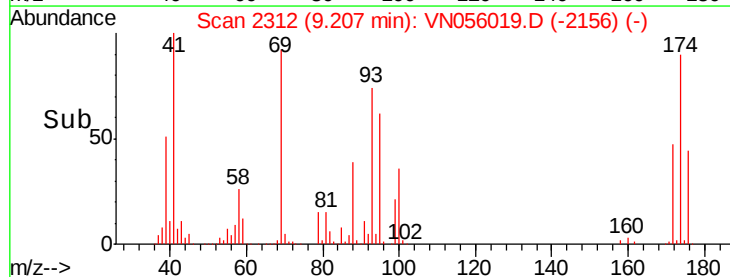
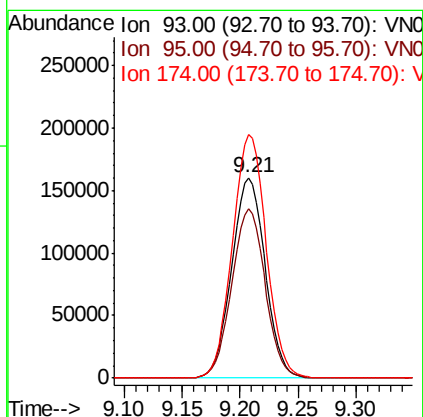
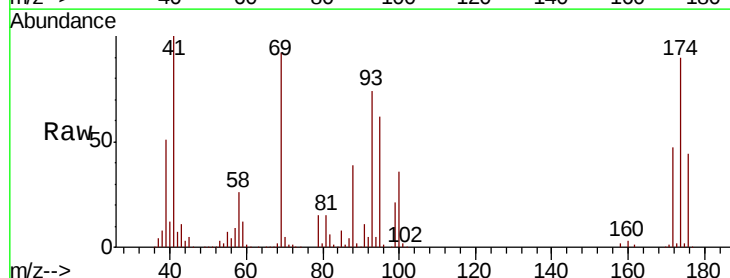
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

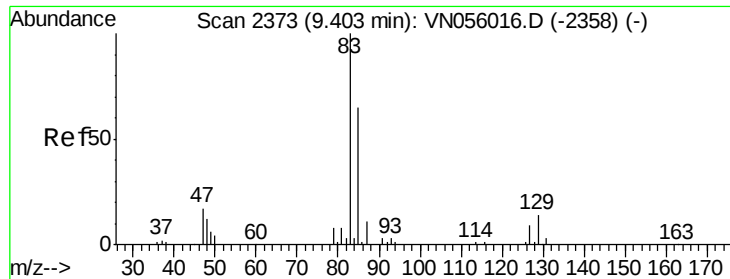
Tot Ion: 63 Resp: 486195
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.1 34.7



#40
 Dibromomethane
 Concen: 145.930 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

Tgt Ion: 93 Resp: 321244
 Ion Ratio Lower Upper
 93 100
 95 84.0 0.0 169.0
 174 122.5 0.0 246.4





#41

Bromodichloromethane

Concen: 139.716 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

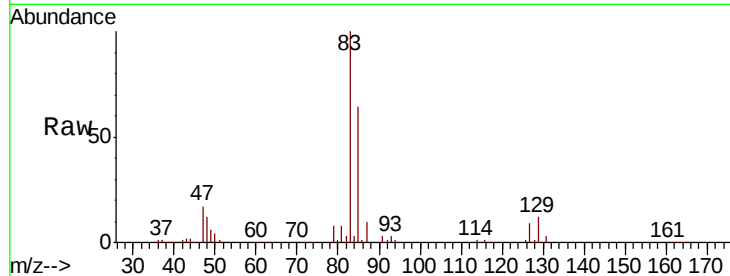
Tot Ion: 83 Resp: 609899

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.6

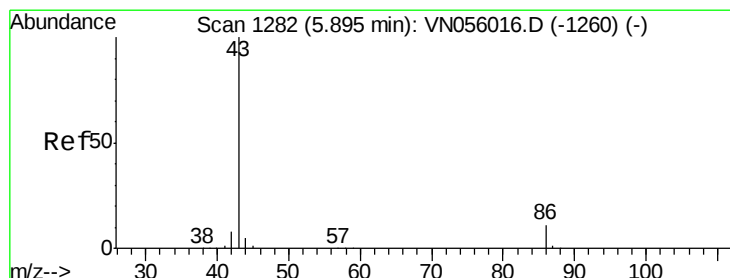
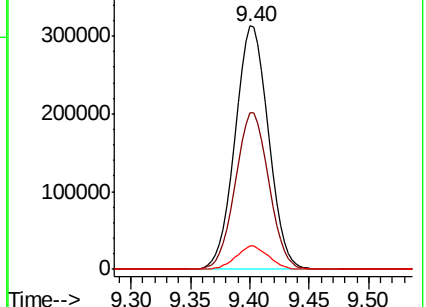
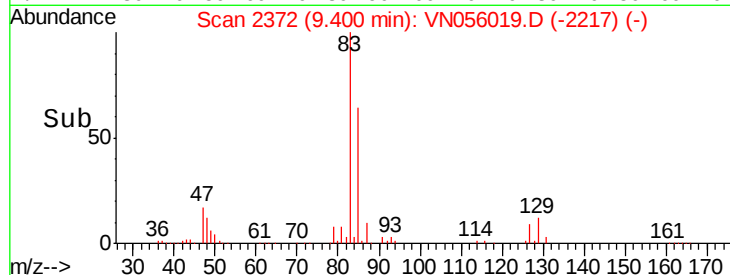
127 9.5 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VN056019.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN056019.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN056019.D (-2217) (-)



#42

Vinyl Acetate

Concen: 697.474 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056019.D

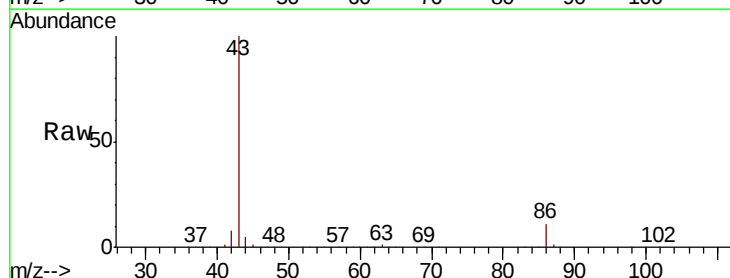
Acq: 5 Jun 2019 20:33

Tgt Ion: 43 Resp: 5775743

Ion Ratio Lower Upper

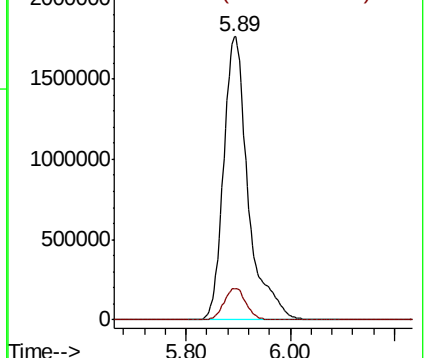
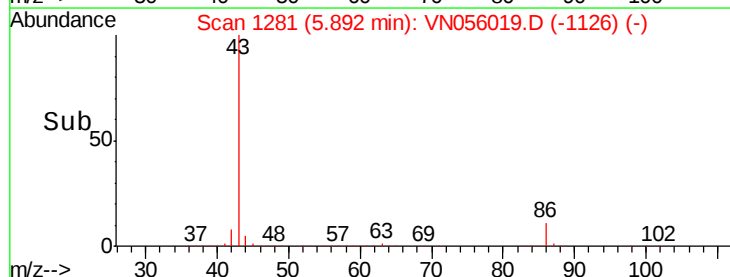
43 100

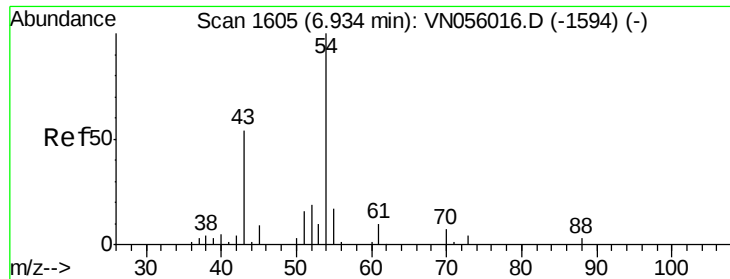
86 10.0 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN056019.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN056019.D (-1126) (-)





#43

Ethyl Acetate

Concen: 138.062 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

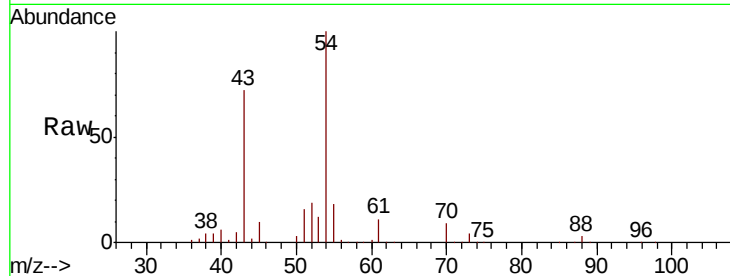
VSTDIC150

Tot Ion: 43 Resp: 584957

Ion Ratio Lower Upper

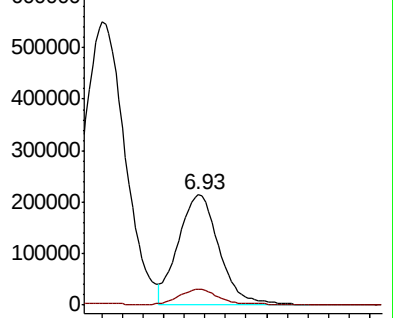
43 100

45 15.3 12.3 18.5

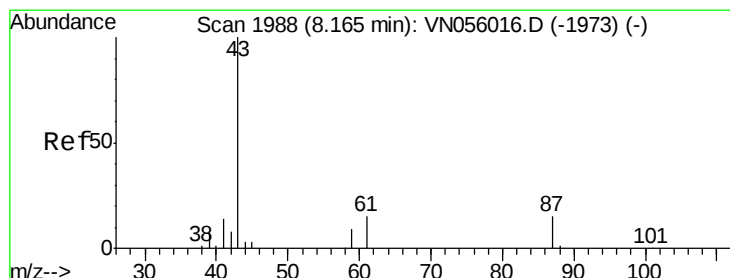
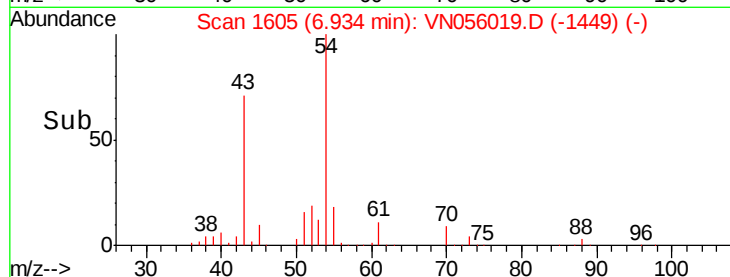


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



Time-->



#44

Isopropyl Acetate

Concen: 141.010 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056019.D

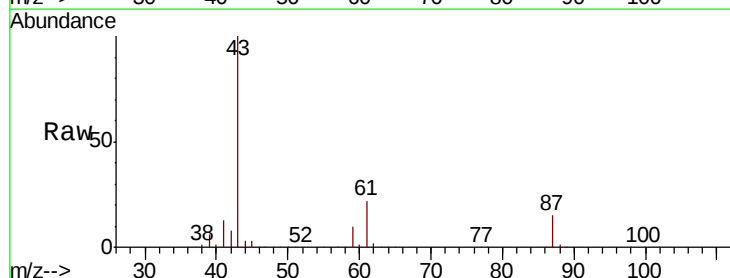
Acq: 5 Jun 2019 20:33

Tgt Ion: 43 Resp: 976319

Ion Ratio Lower Upper

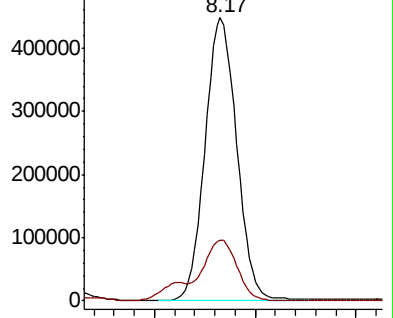
43 100

61 22.1 16.9 25.3

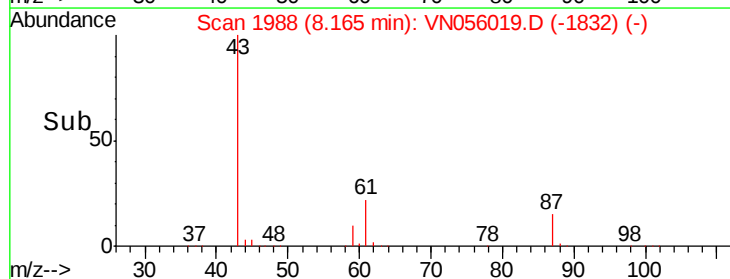


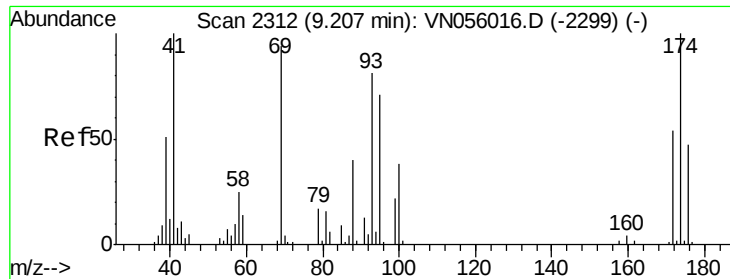
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time-->





#45

1,4-Dioxane

Concen: 3064.798 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

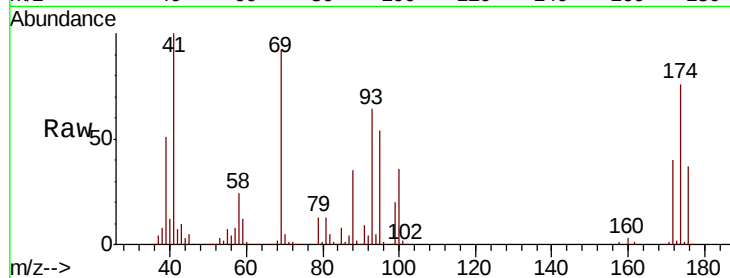
Tot Ion: 88 Resp: 205885

Ion Ratio Lower Upper

88 100

43 24.4 19.8 29.6

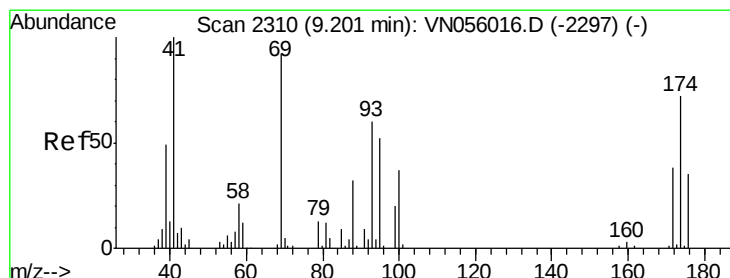
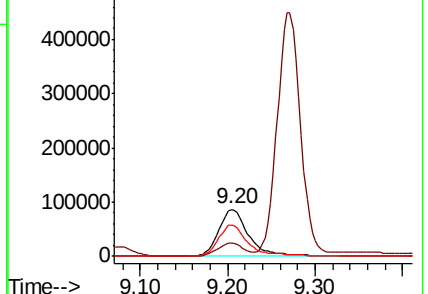
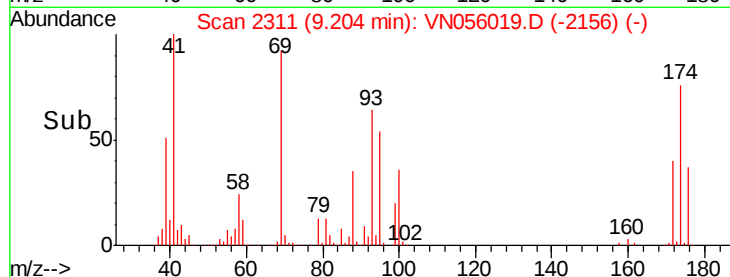
58 68.1 48.5 72.7



Abundance Ion 88.00 (87.70 to 88.70): VN056019.D (-2156) (-)

Ion 43.00 (42.70 to 43.70): VN056019.D (-2156) (-)

Ion 58.00 (57.70 to 58.70): VN056019.D (-2156) (-)



#46

Methyl methacrylate

Concen: 146.504 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

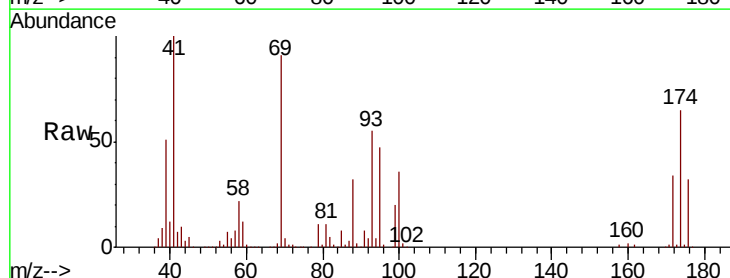
Tgt Ion: 41 Resp: 474717

Ion Ratio Lower Upper

41 100

69 91.8 46.0 137.8

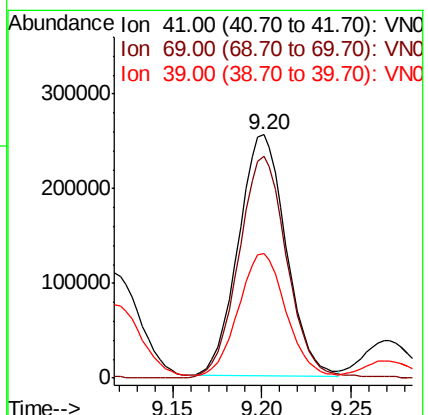
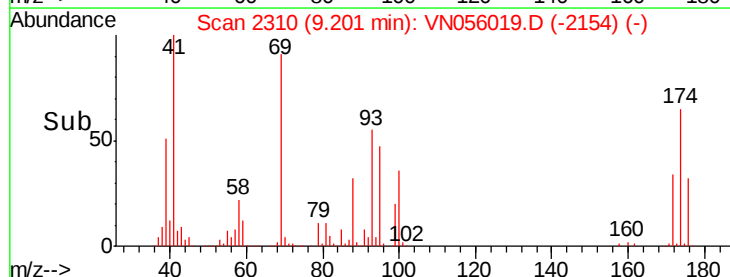
39 50.8 24.6 73.8

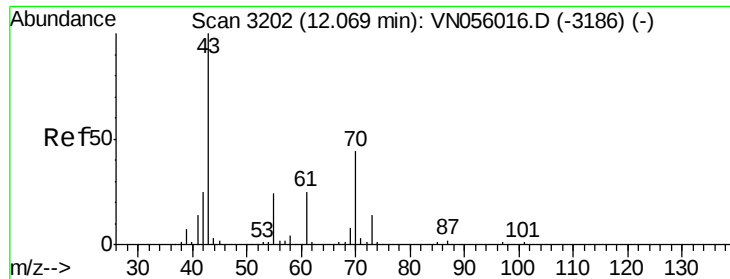


Abundance Ion 41.00 (40.70 to 41.70): VN056019.D (-2154) (-)

Ion 69.00 (68.70 to 69.70): VN056019.D (-2154) (-)

Ion 39.00 (38.70 to 39.70): VN056019.D (-2154) (-)

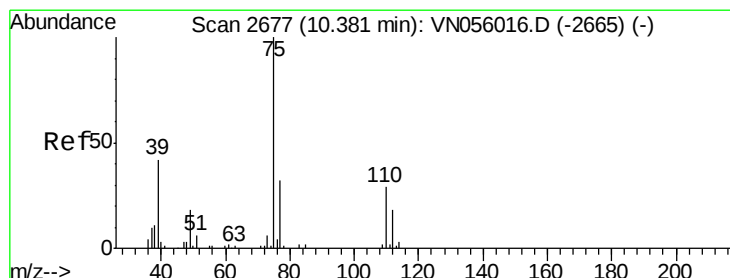
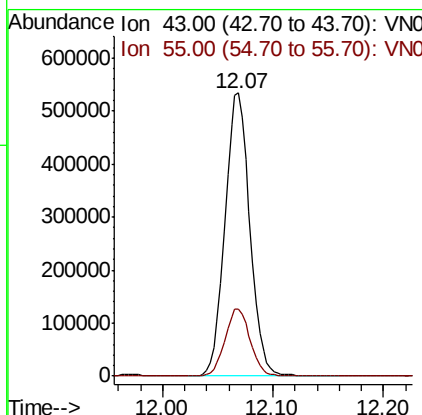
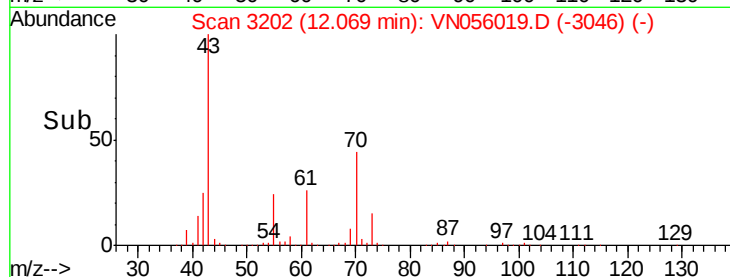
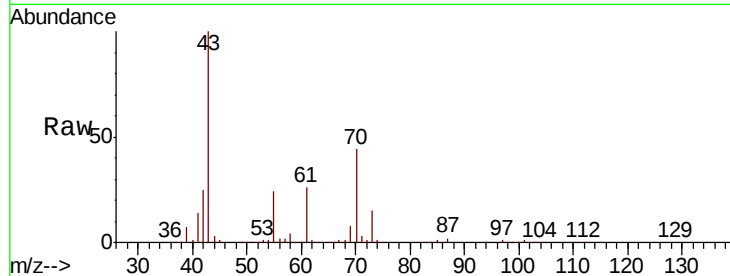




#47
n-amvl Acetate
Concen: 145.820 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

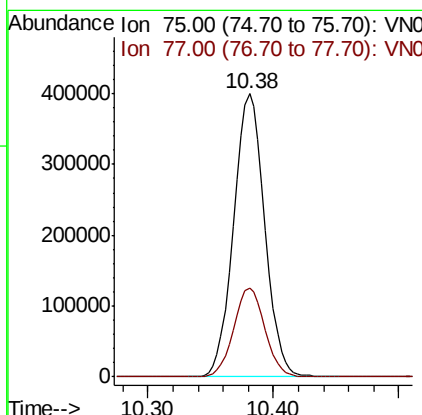
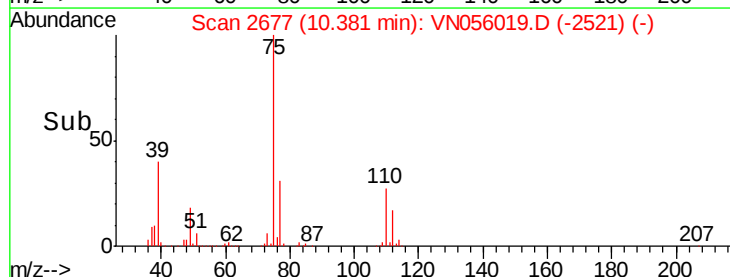
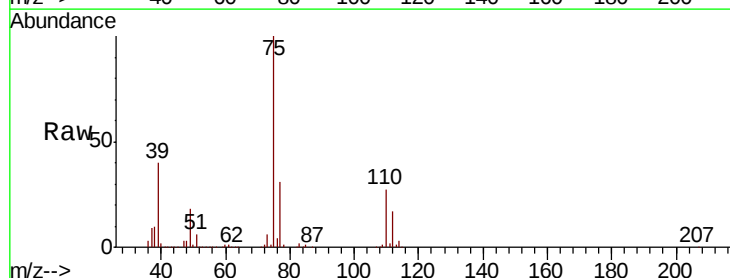
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

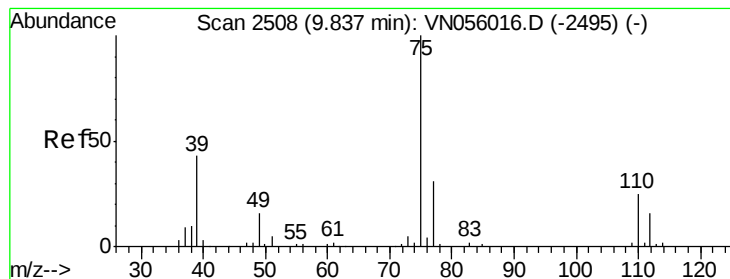
Tot Ion: 43 Resp: 832370
Ion Ratio Lower Upper
43 100
55 24.1 19.0 28.6



#48
t-1,3-Dichloropropene
Concen: 144.256 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion: 75 Resp: 687419
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0



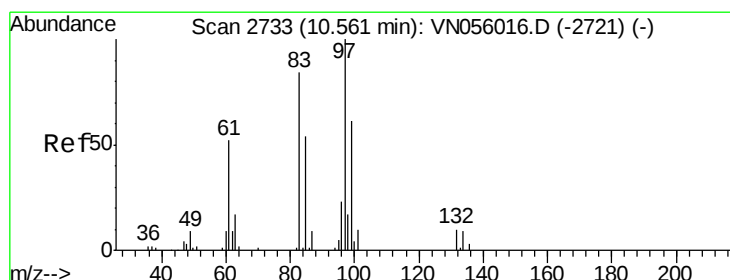
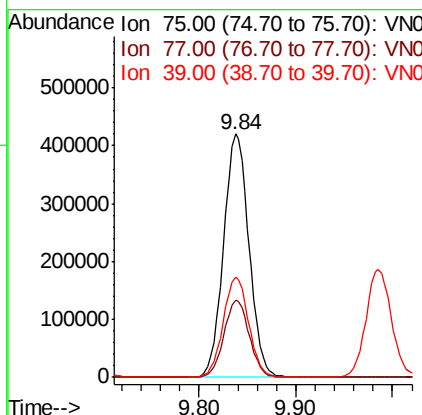
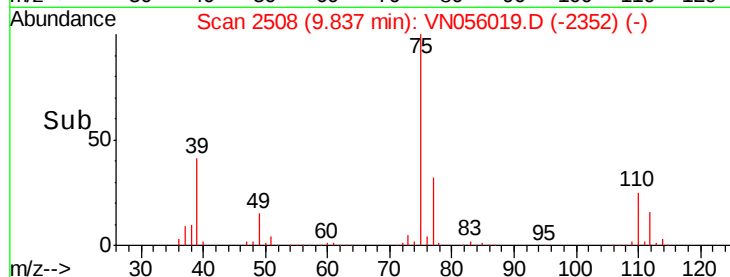
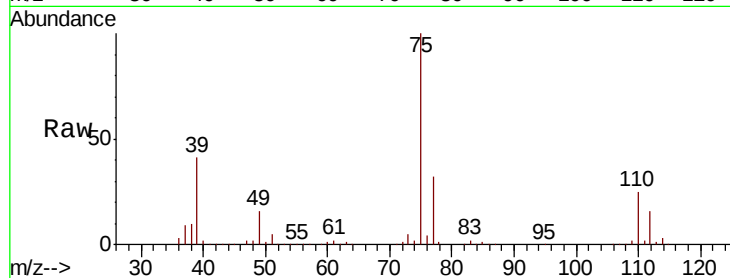


#49

cis-1,3-Dichloropropene
Concen: 144.733 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

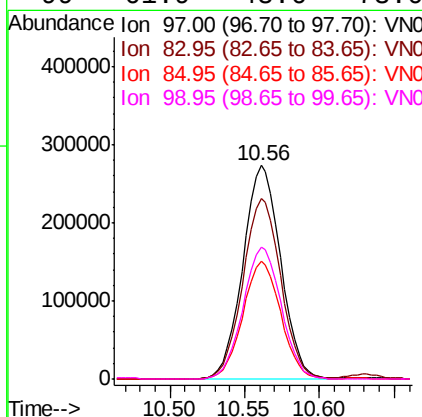
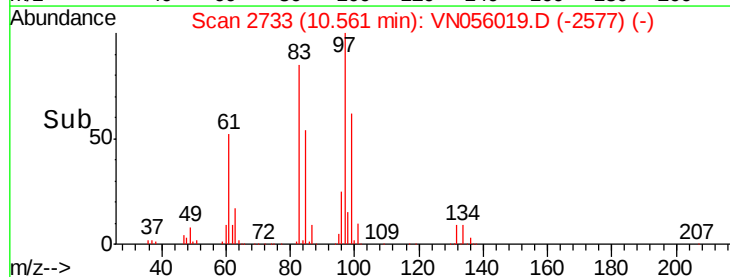
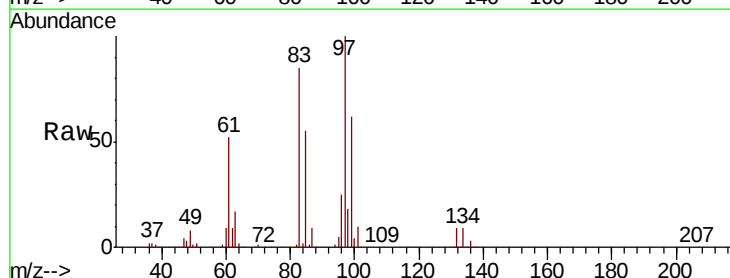
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7
39	41.1	34.3	51.5

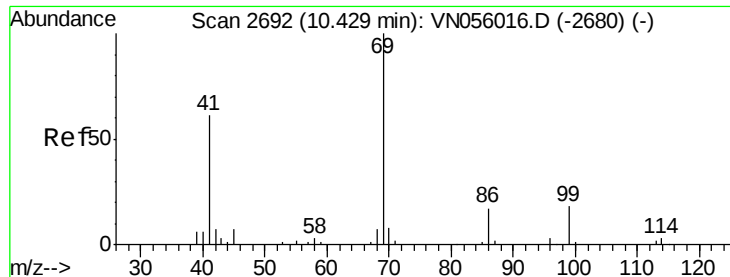


#50

1,1,2-Trichloroethane
Concen: 150.415 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	66.9	100.3
85	55.1	43.3	64.9
99	61.9	48.6	73.0





#51

Ethyl methacrylate

Concen: 148.521 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

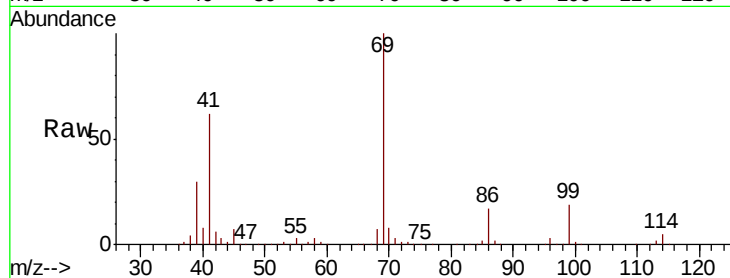
Tot Ion: 69 Resp: 753802

Ion Ratio Lower Upper

69 100

41 61.5 30.8 92.3

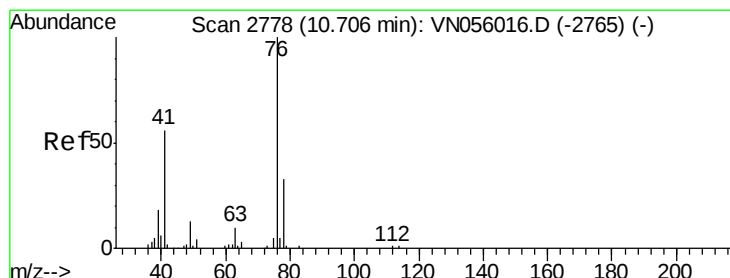
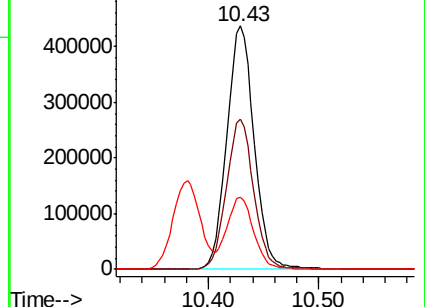
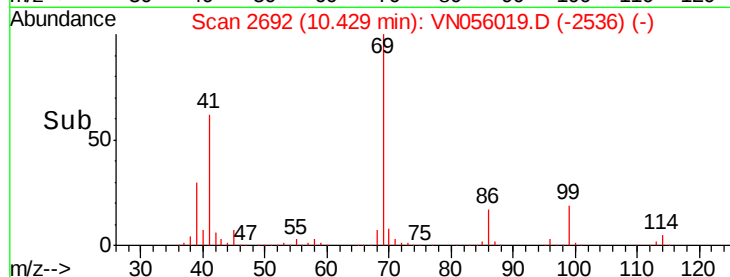
39 29.6 14.5 43.6



Abundance Ion 69.00 (68.70 to 69.70): VN056019.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN056019.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN056019.D (-2536) (-)



#52

1,3-Dichloropropane

Concen: 148.157 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056019.D

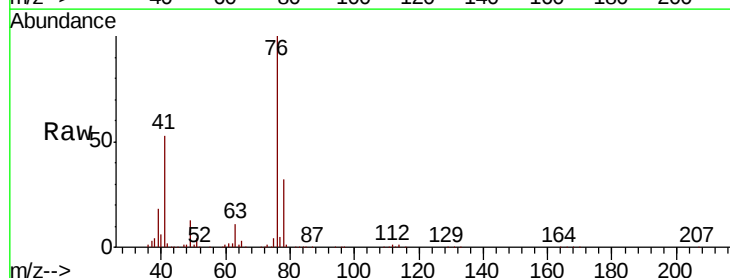
Acq: 5 Jun 2019 20:33

Tgt Ion: 76 Resp: 780060

Ion Ratio Lower Upper

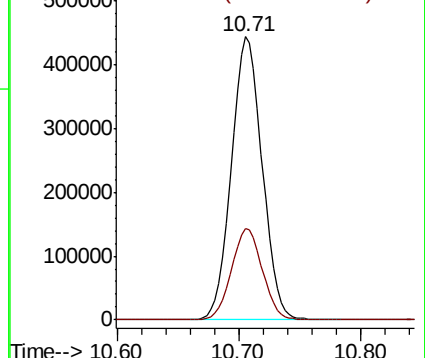
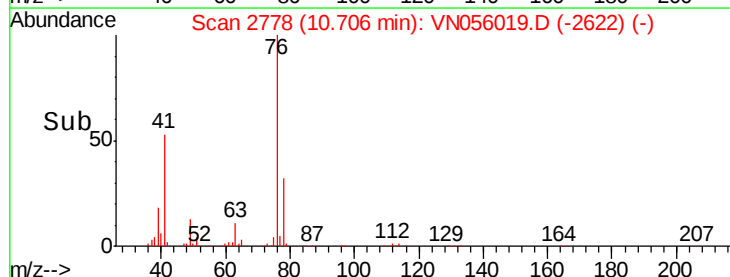
76 100

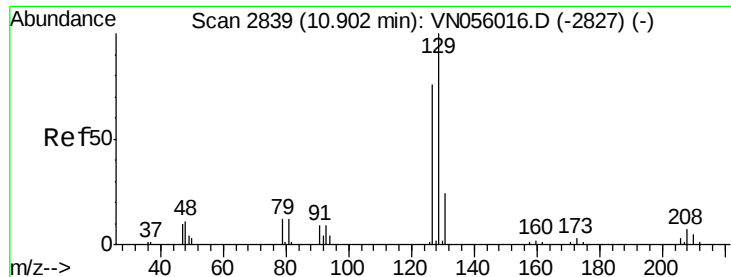
78 32.4 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN056019.D (-2622) (-)

Ion 78.00 (77.70 to 78.70): VN056019.D (-2622) (-)

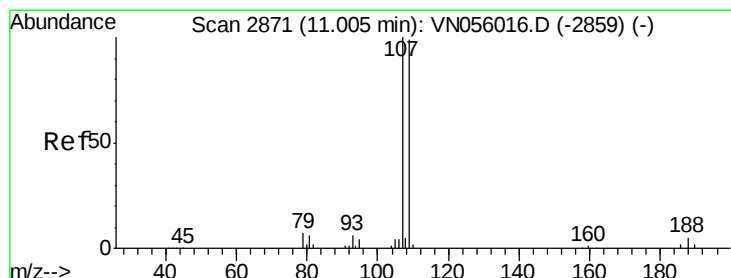
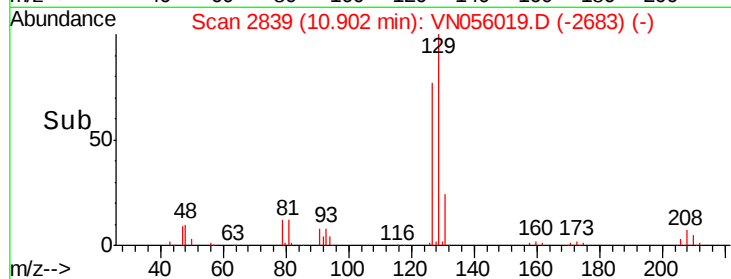
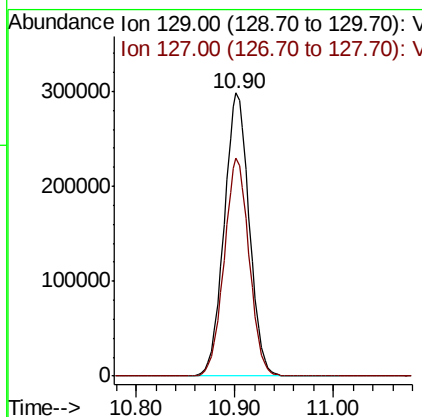
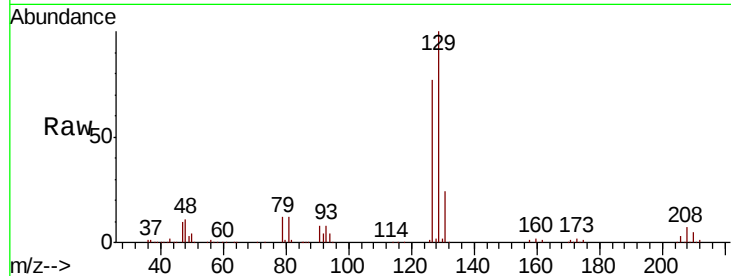




#53
 Dibromochloromethane
 Concen: 146.626 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

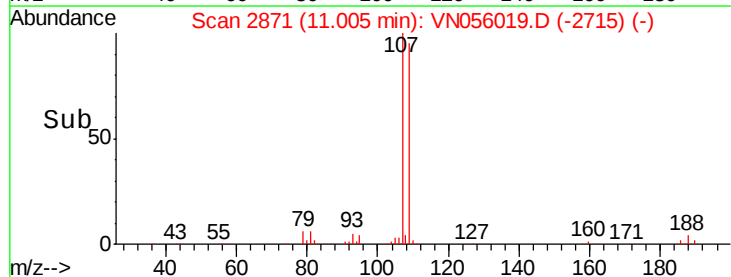
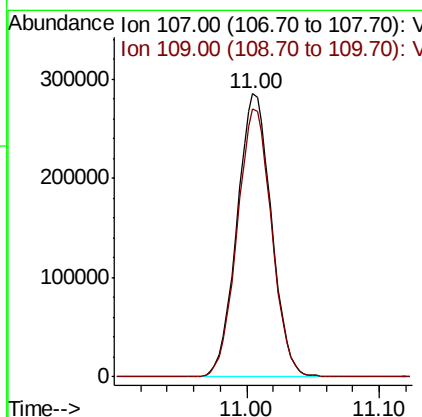
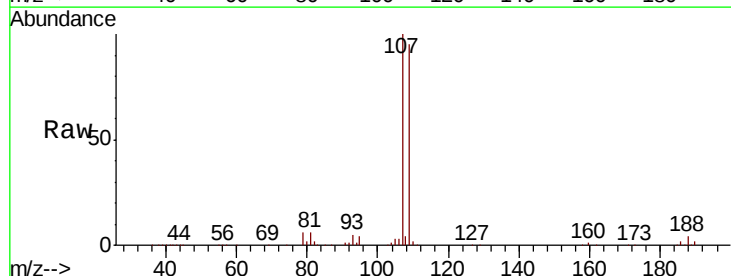
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

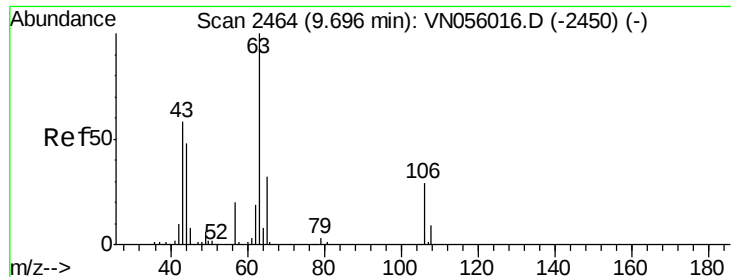
Tot Ion:129 Resp: 531437
 Ion Ratio Lower Upper
 129 100
 127 76.7 39.1 117.5



#54
 1,2-Dibromoethane
 Concen: 154.556 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

Tgt Ion:107 Resp: 512550
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.8 115.2





#55

2-Chloroethyl vinyl ether

Concen: 741.855 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

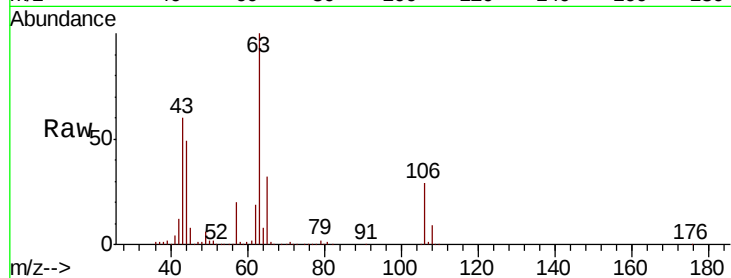
Tot Ion: 63 Resp: 1437123

Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.5	38.3
106	28.8	23.0	34.4

63 100

65 32.4 25.5 38.3

106 28.8 23.0 34.4

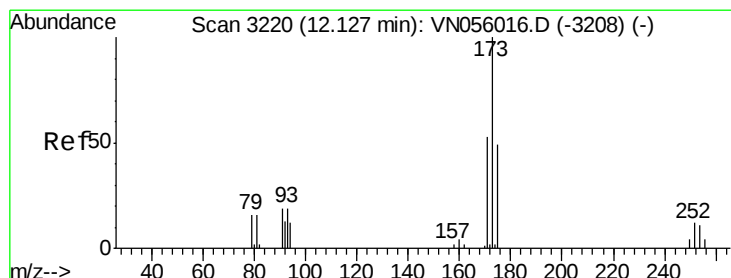
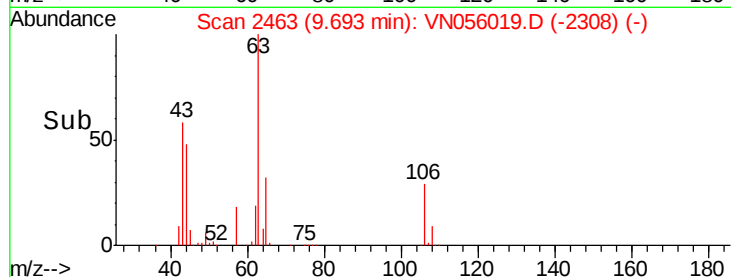
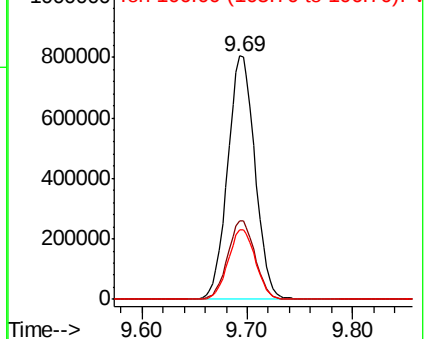


Abundance

Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

Ion 106.00 (105.70 to 106.70): VN0



#56

Bromoform

Concen: 141.294 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

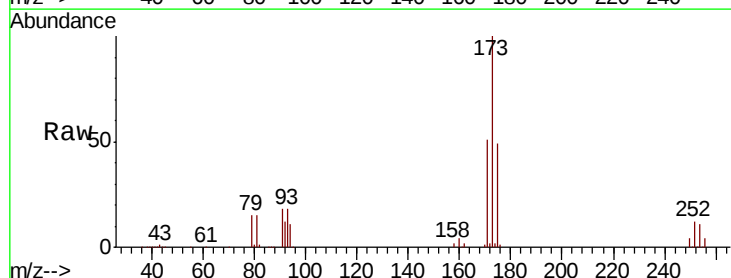
Tgt Ion: 173 Resp: 408459

Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.7	58.1
254	11.2	6.6	9.8#

173 100

175 48.9 38.7 58.1

254 11.2 6.6 9.8#

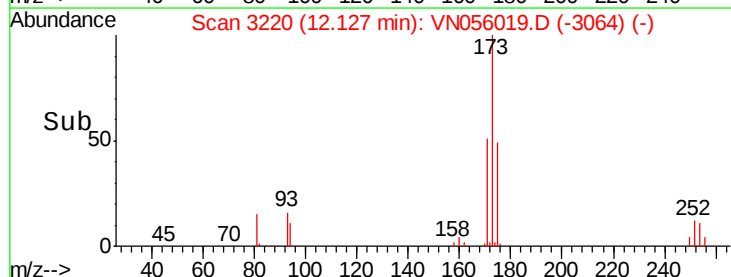
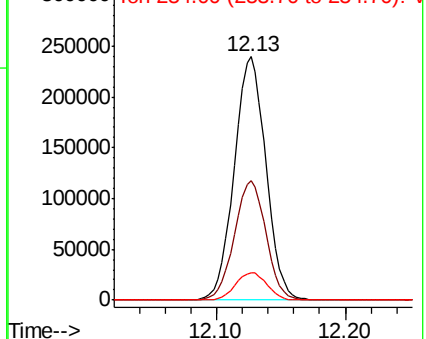


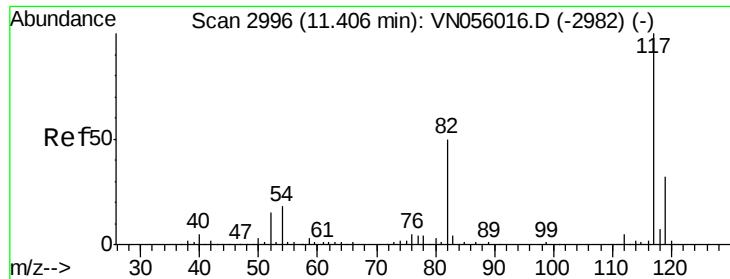
Abundance

Ion 173.00 (172.70 to 173.70): VN0

Ion 175.00 (174.70 to 175.70): VN0

Ion 254.00 (253.70 to 254.70): VN0

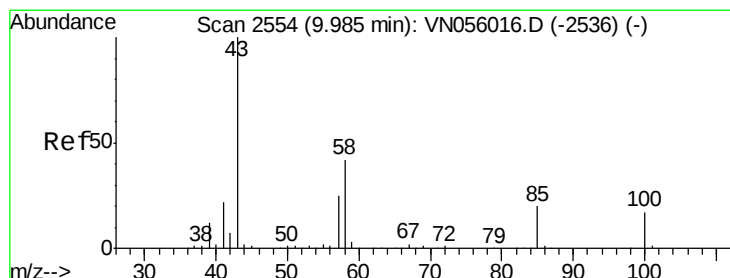
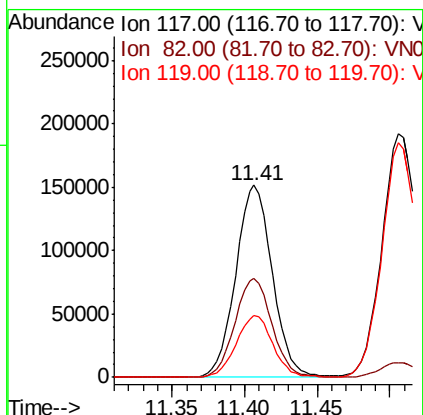
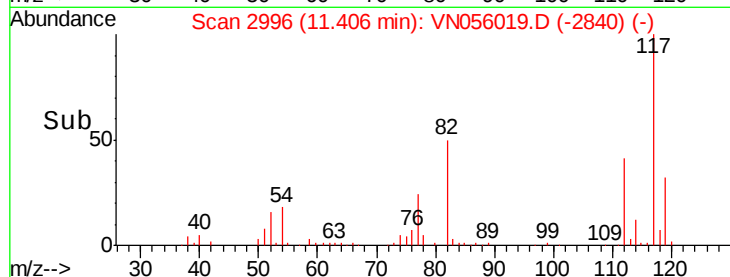
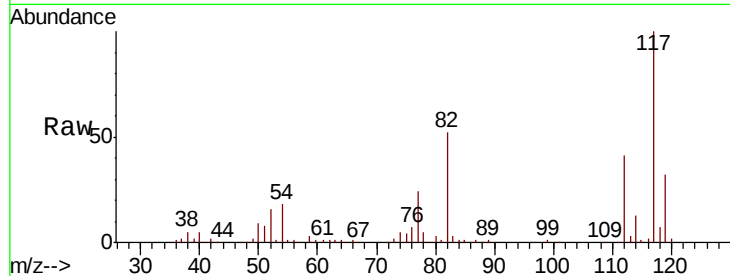




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

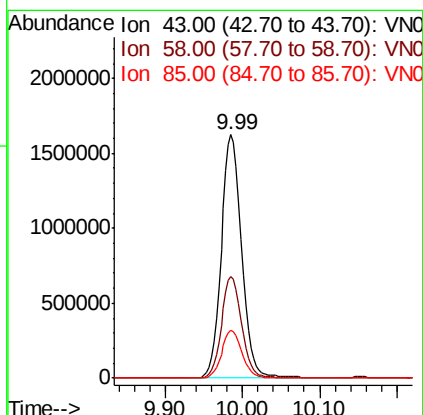
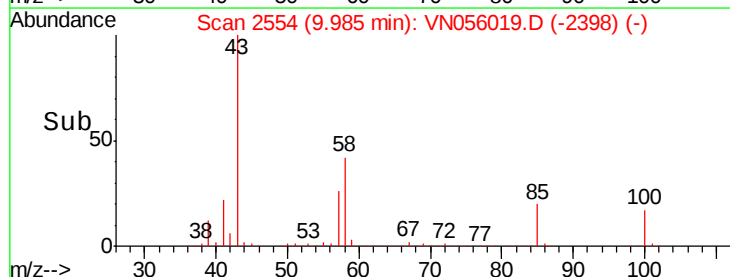
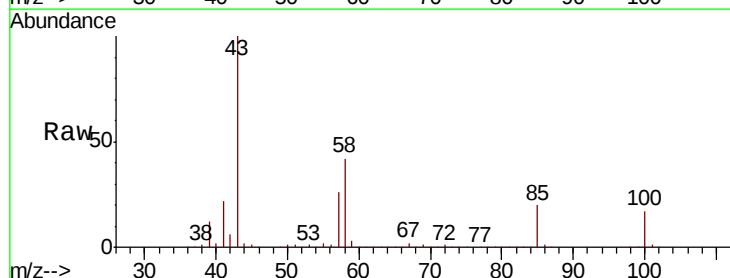
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

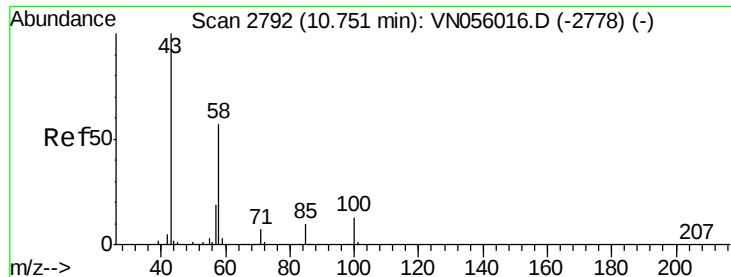
Tot Ion:117 Resp: 266098
Ion Ratio Lower Upper
117 100
82 52.0 41.2 61.8
119 32.1 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 692.134 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion: 43 Resp: 2977125
Ion Ratio Lower Upper
43 100
58 41.5 33.1 49.7
85 19.7 15.5 23.3

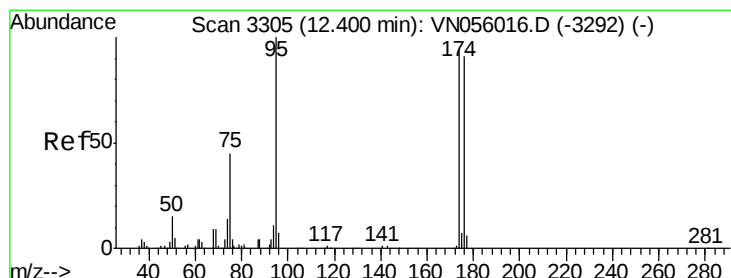
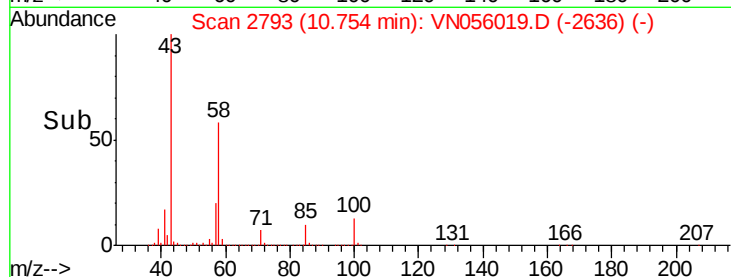
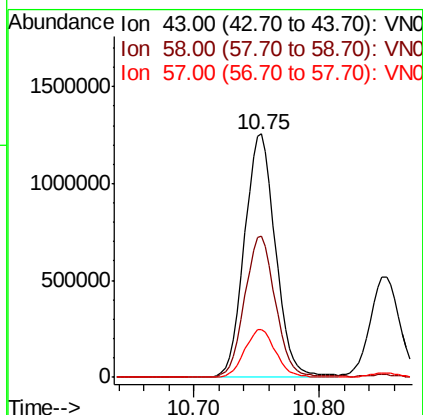
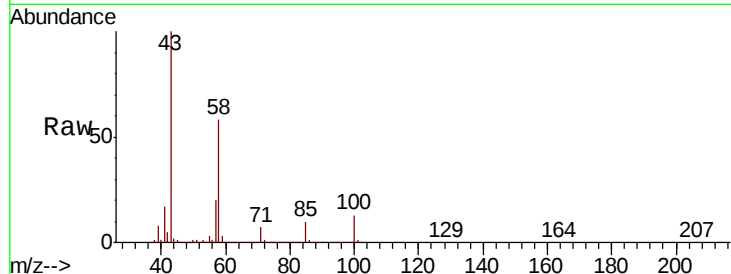




#59
2-Hexanone
Concen: 702.513 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

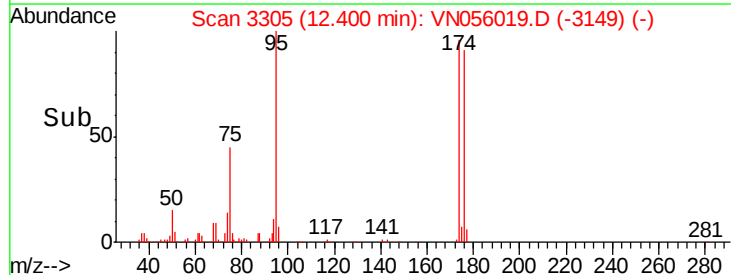
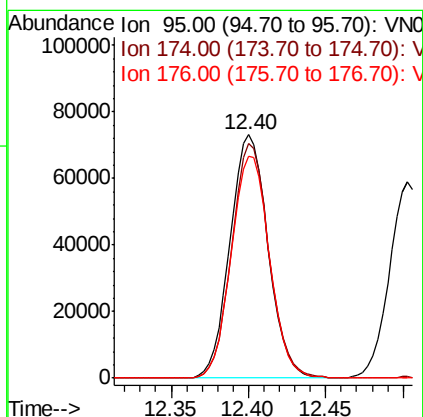
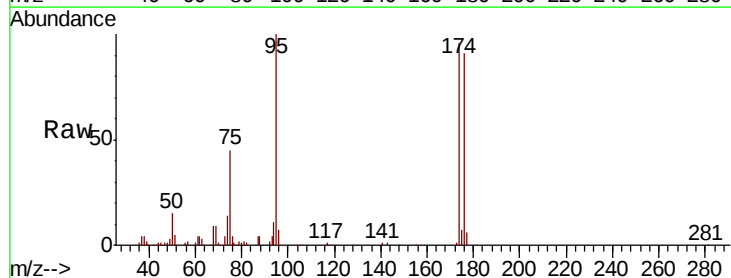
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

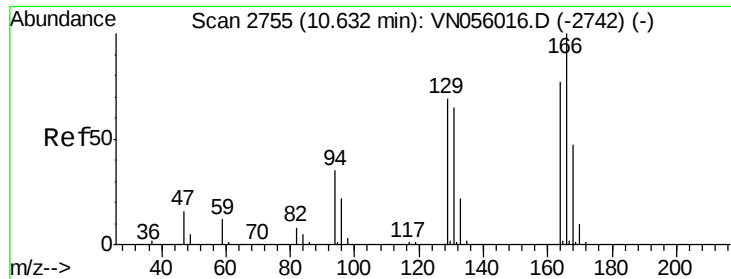
Tot Ion: 43 Resp: 2164201
Ion Ratio Lower Upper
43 100
58 57.9 45.3 67.9
57 19.8 15.6 23.4



#60
4-Bromofluorobenzene
Concen: 30.445 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion: 95 Resp: 124533
Ion Ratio Lower Upper
95 100
174 94.7 75.4 113.0
176 92.0 73.9 110.9





#61

Tetrachloroethene

Concen: 146.002 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 527516

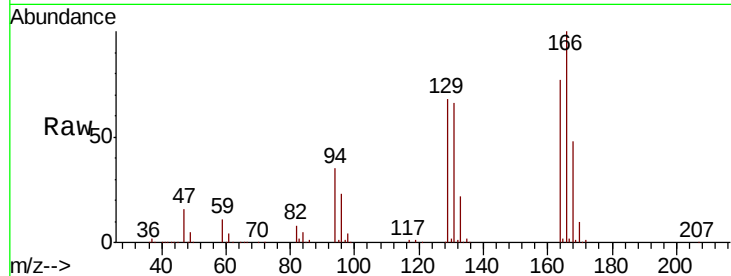
Ion Ratio Lower Upper

164 100

166 129.2 104.3 156.5

129 87.5 71.5 107.3

131 85.7 67.7 101.5

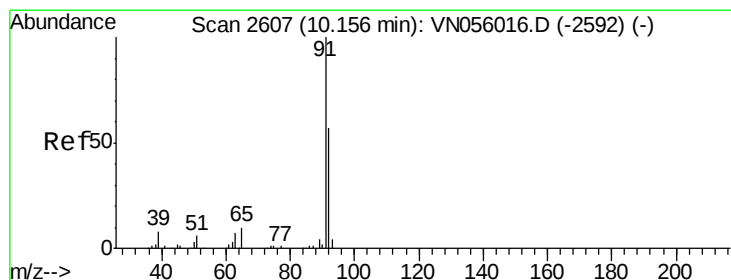
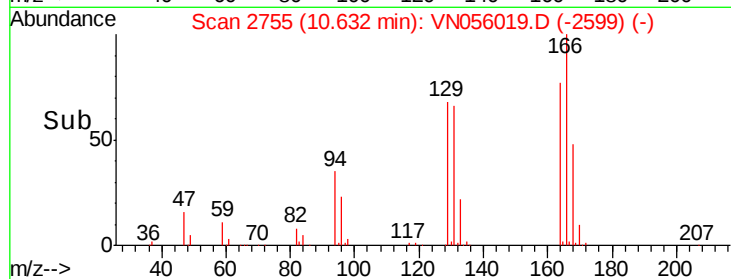
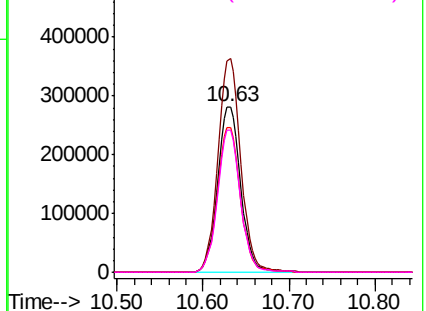


Abundance Ion 163.85 (163.55 to 164.55): V

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: 146.254 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056019.D

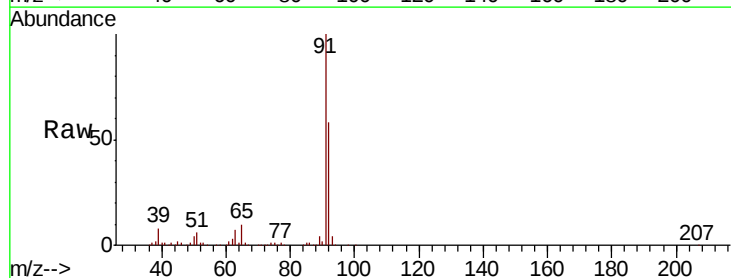
Acq: 5 Jun 2019 20:33

Tgt Ion: 91 Resp: 2087176

Ion Ratio Lower Upper

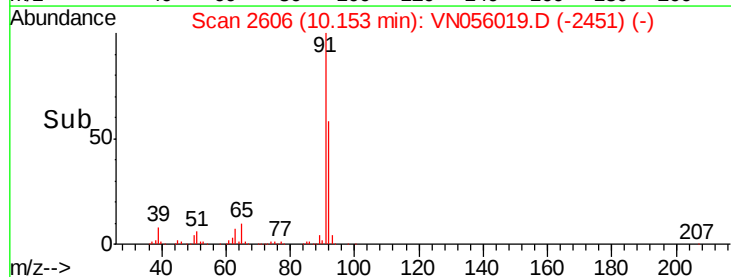
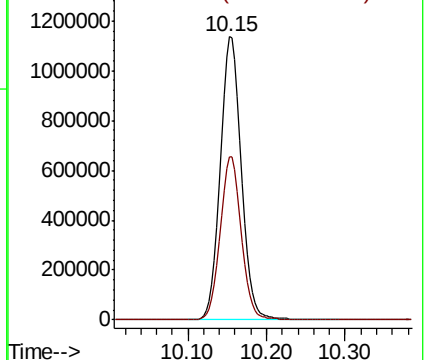
91 100

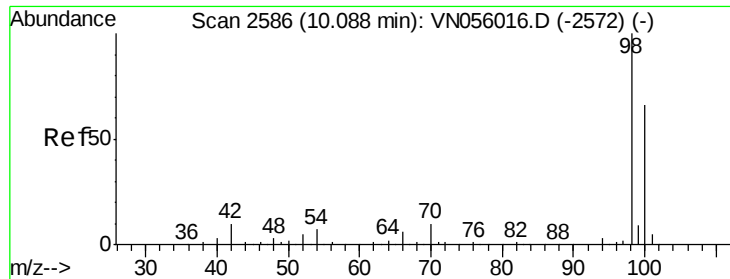
92 57.7 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 28.944 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

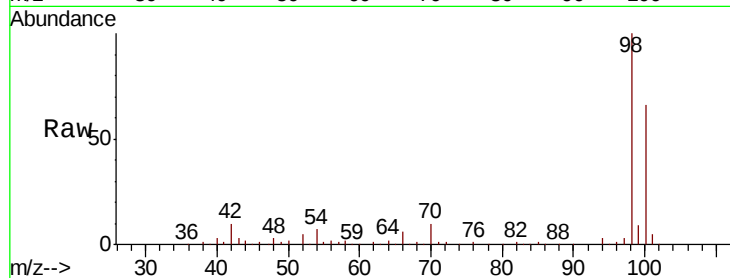
VSTDIC150

Tot Ion: 98 Resp: 351893

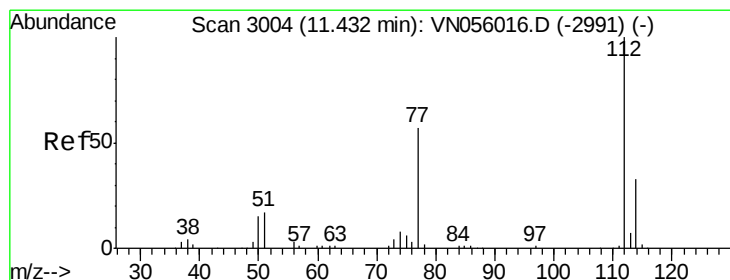
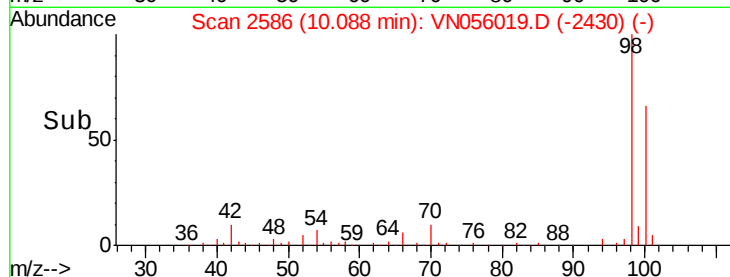
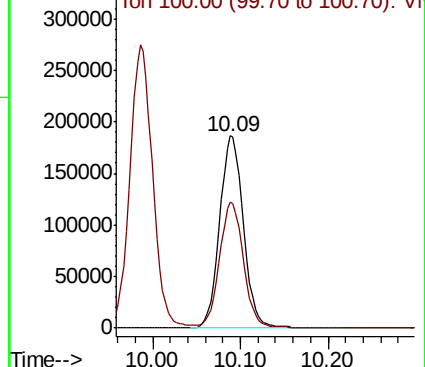
Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056019.D (-2430) (-)



#64

Chlorobenzene

Concen: 151.255 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056019.D

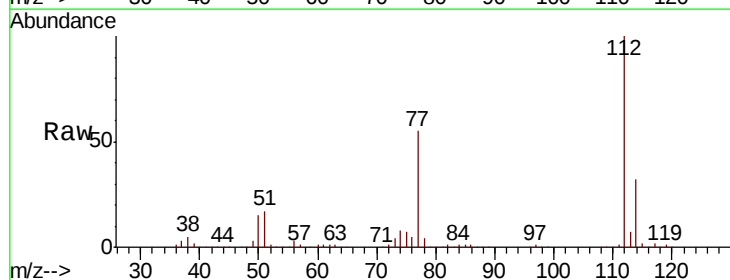
Acq: 5 Jun 2019 20:33

Tgt Ion: 112 Resp: 1308309

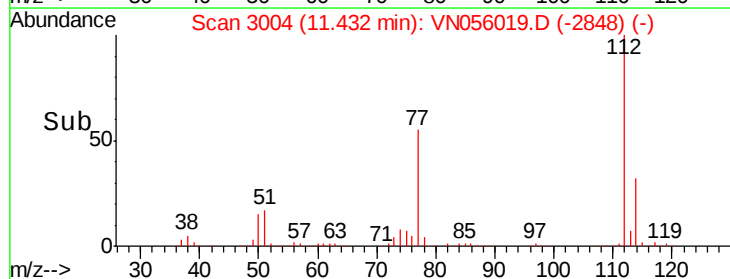
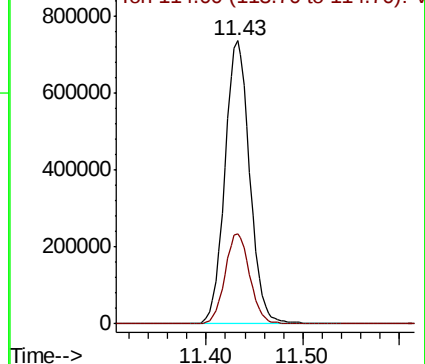
Ion Ratio Lower Upper

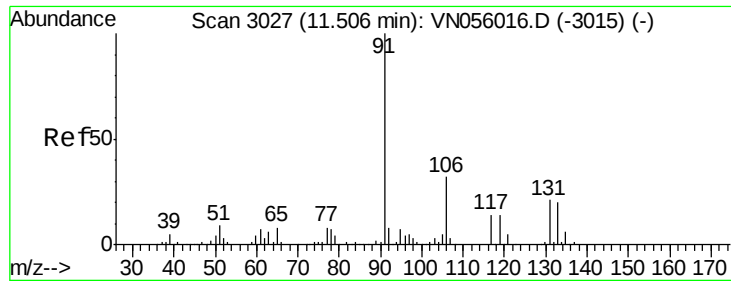
112 100

114 31.9 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056019.D (-2848) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 143.013 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

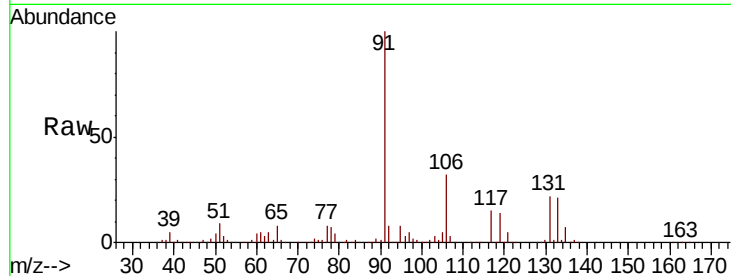
Tot Ion:131 Resp: 486445

Ion Ratio Lower Upper

131 100

133 95.7 0.0 193.8

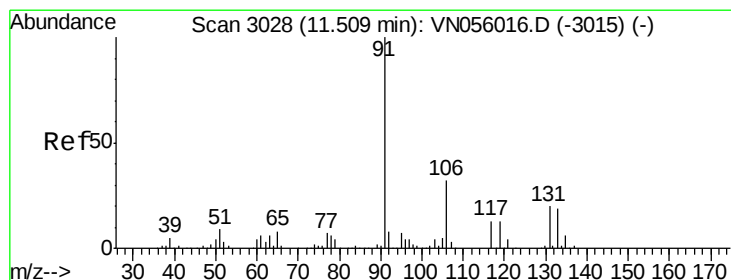
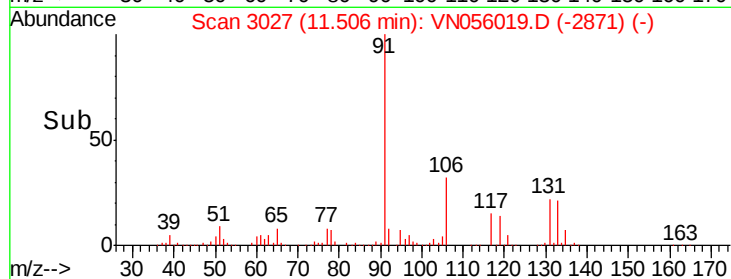
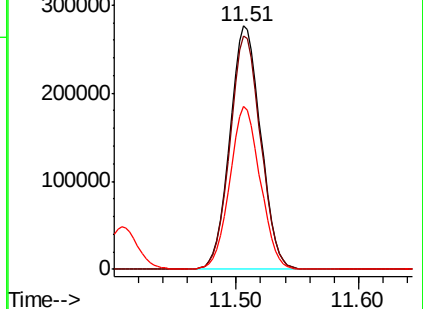
119 66.2 0.0 134.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 147.651 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056019.D

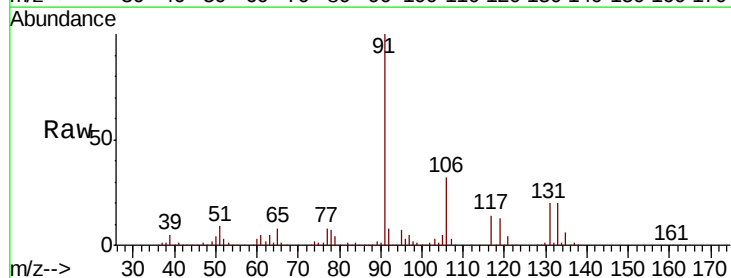
Acq: 5 Jun 2019 20:33

Tgt Ion: 91 Resp: 2290521

Ion Ratio Lower Upper

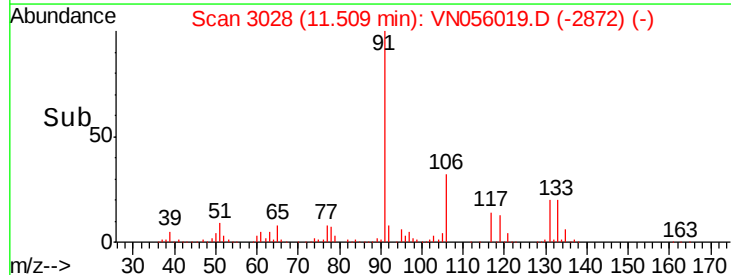
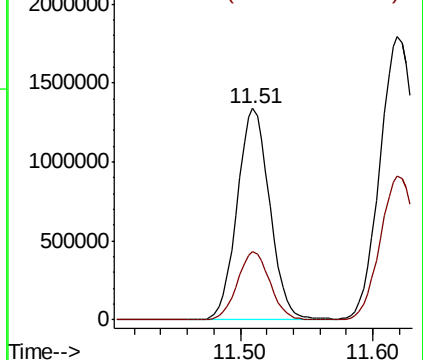
91 100

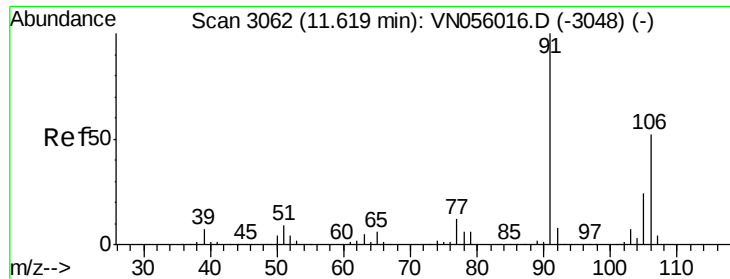
106 32.4 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

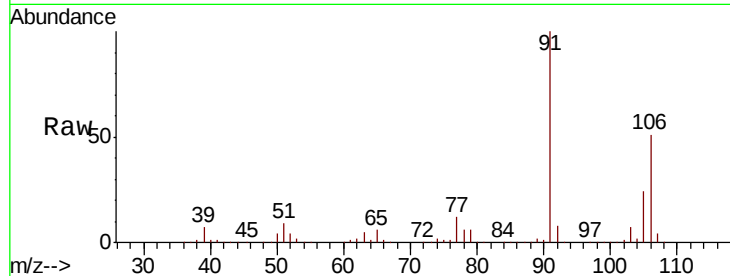




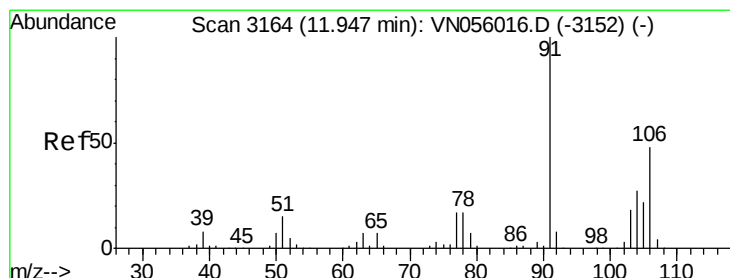
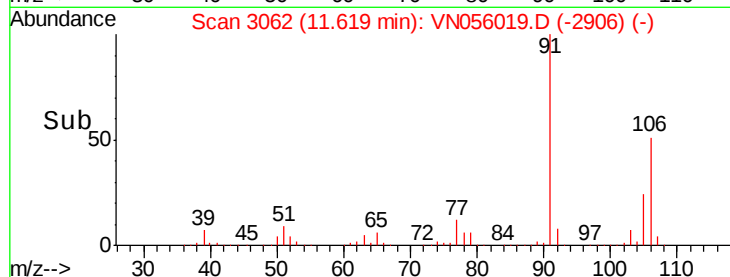
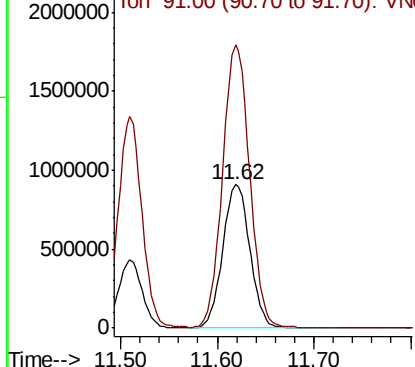
#67
m/p-Xylenes
Concen: 301.508 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1778098
Ion Ratio Lower Upper
106 100
91 196.5 155.7 233.5

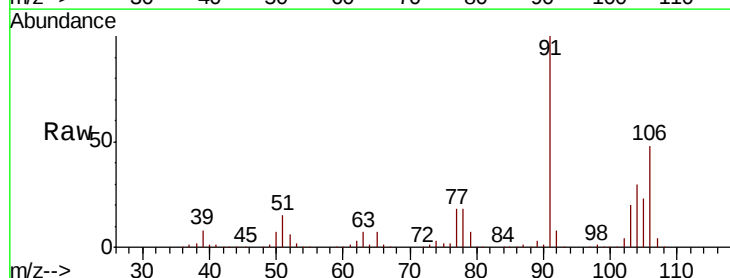


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

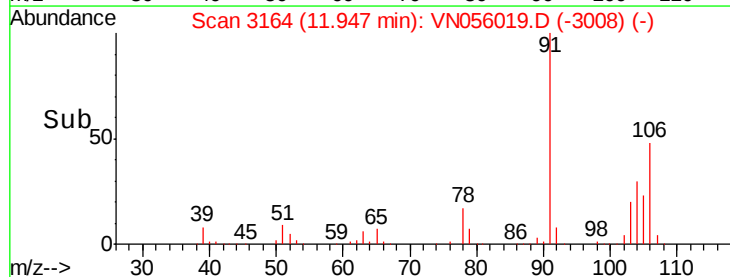
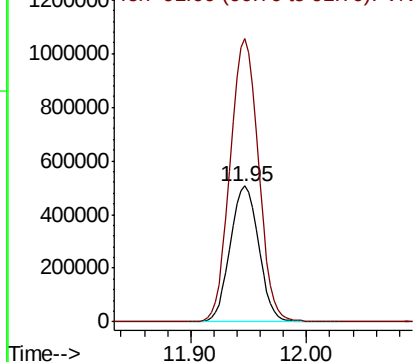


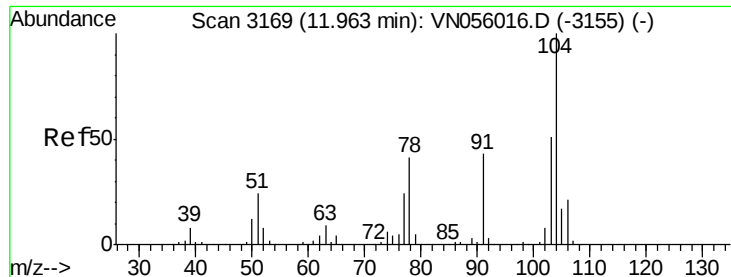
#68
o-Xylene
Concen: 148.096 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion:106 Resp: 862151
Ion Ratio Lower Upper
106 100
91 206.7 103.9 311.7



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

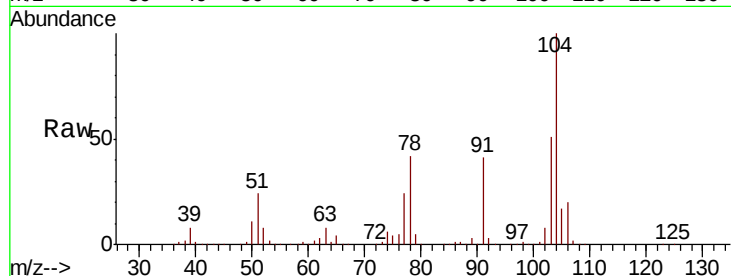




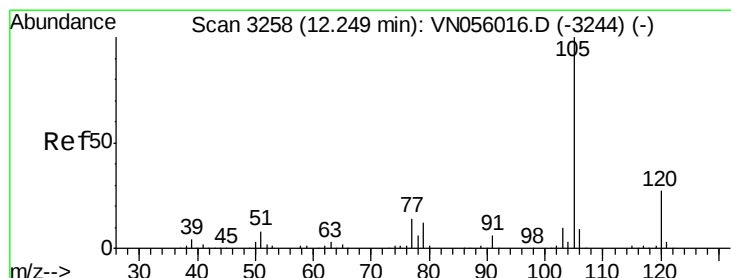
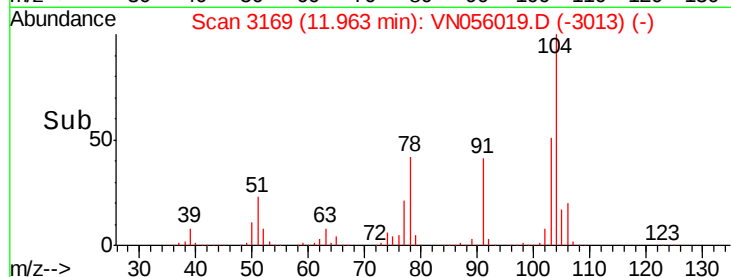
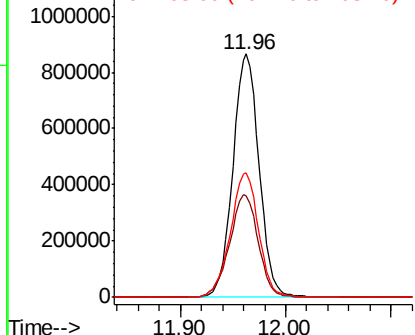
#69
Stvrene
Concen: 155.365 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:104 Resp: 1487457
Ion Ratio Lower Upper
104 100
78 46.1 37.0 55.6
103 54.8 44.4 66.6

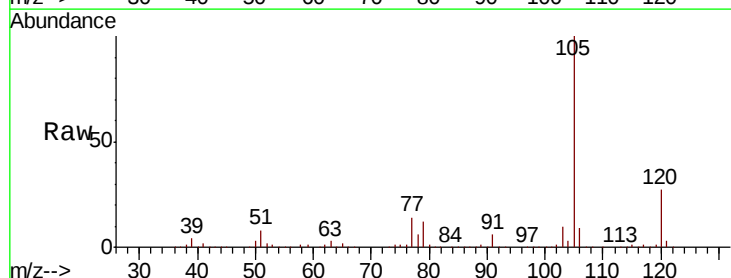


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

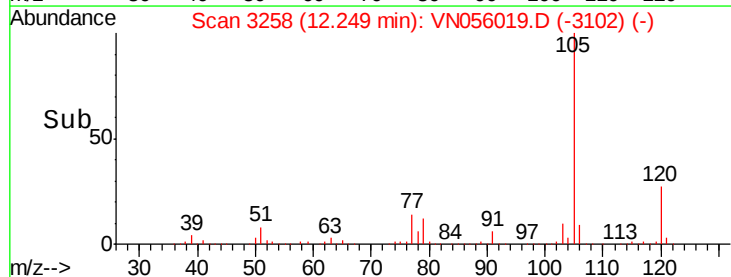
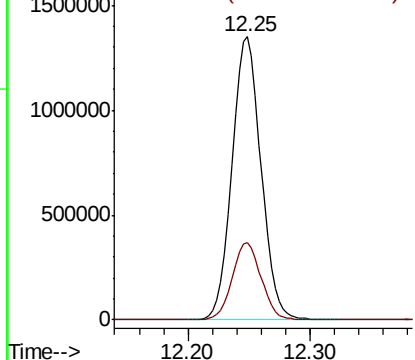


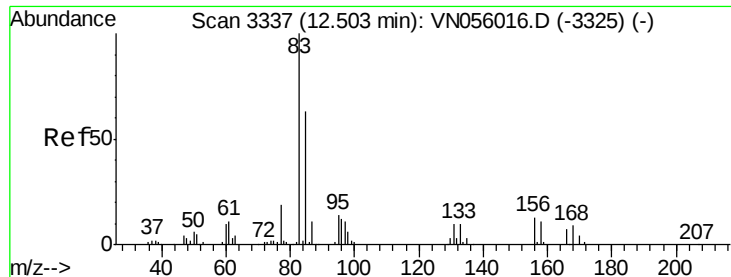
#70
Isopropylbenzene
Concen: 146.258 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion:105 Resp: 2229572
Ion Ratio Lower Upper
105 100
120 27.2 19.3 35.8



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

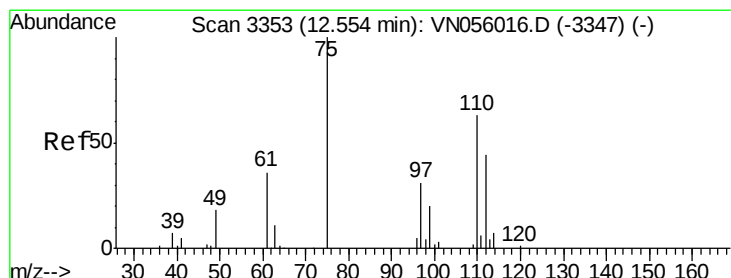
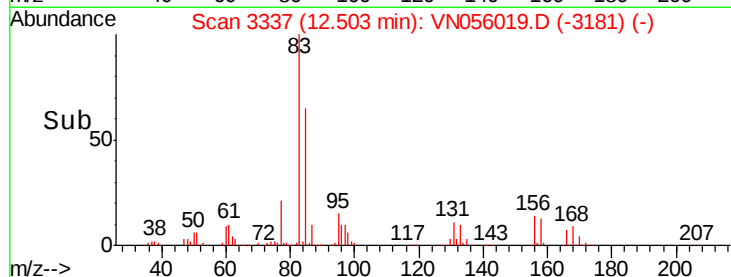
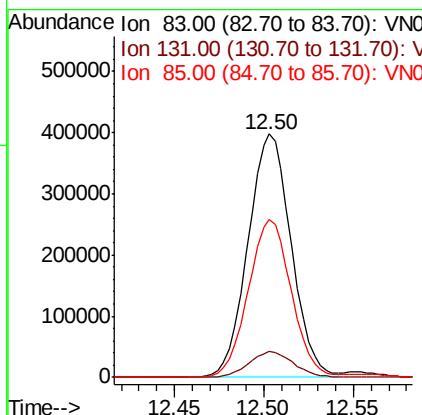
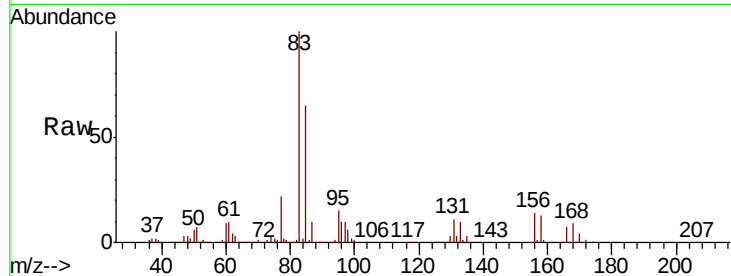




#71
 1,1,2,2-Tetrachloroethane
 Concen: 143.897 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

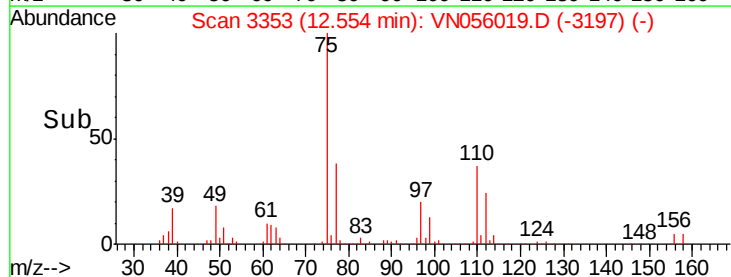
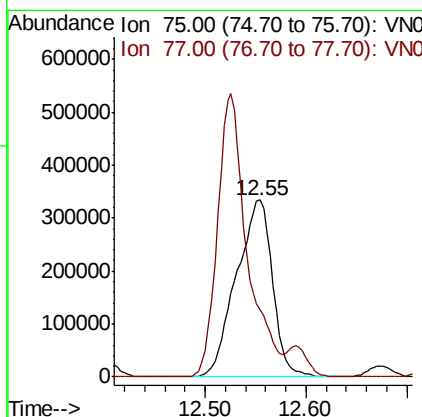
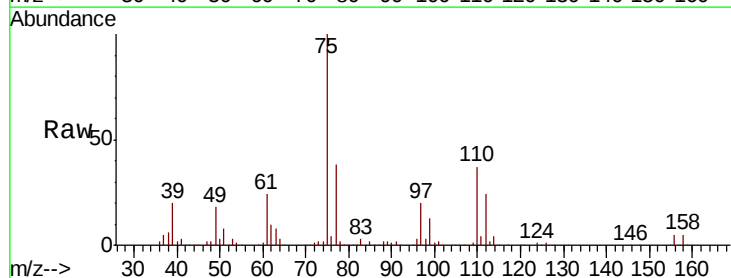
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

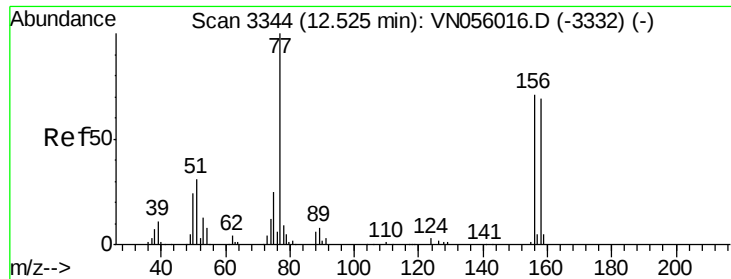
Tot Ion: 83 Resp: 671713
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.2 15.6
 85 64.8 31.6 94.7



#72
 1,2,3-Trichloropropane
 Concen: 207.279 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

Tgt Ion: 75 Resp: 828164
 Ion Ratio Lower Upper
 75 100
 77 132.5 0.0 350.0





#73

Bromobenzene

Concen: 154.180 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

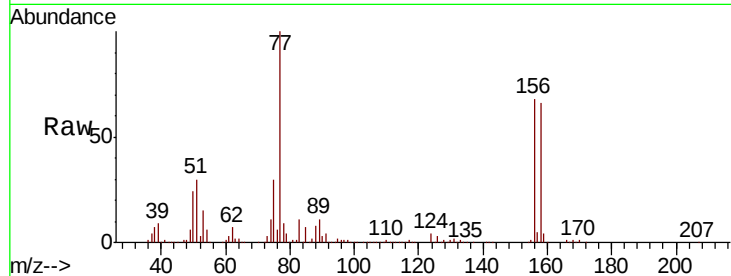
Tot Ion:156 Resp: 621548

Ion Ratio Lower Upper

156 100

77 176.5 0.0 350.8

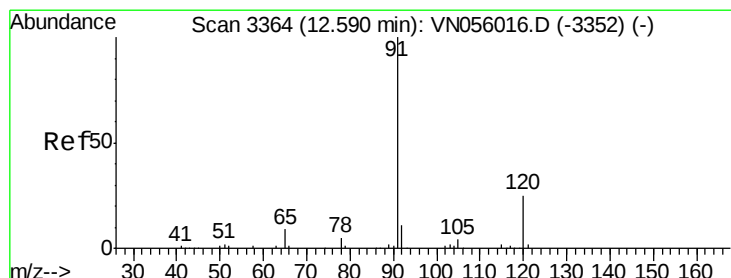
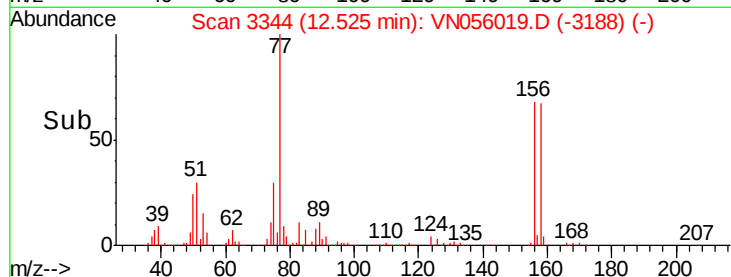
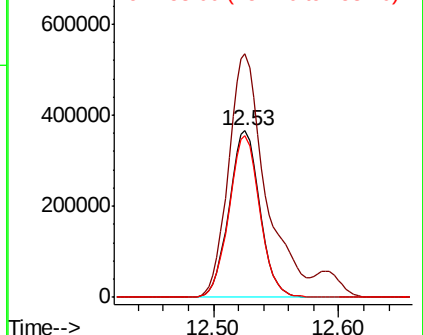
158 97.2 0.0 193.2



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: 154.223 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056019.D

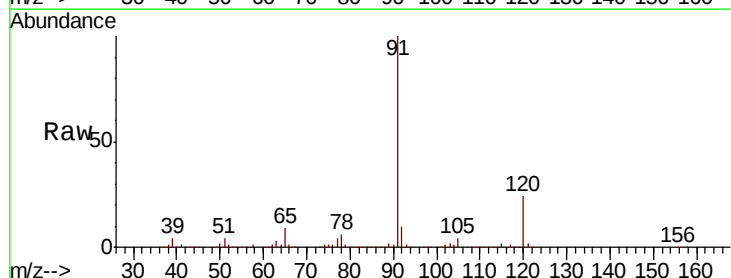
Acq: 5 Jun 2019 20:33

Tgt Ion: 91 Resp: 2516597

Ion Ratio Lower Upper

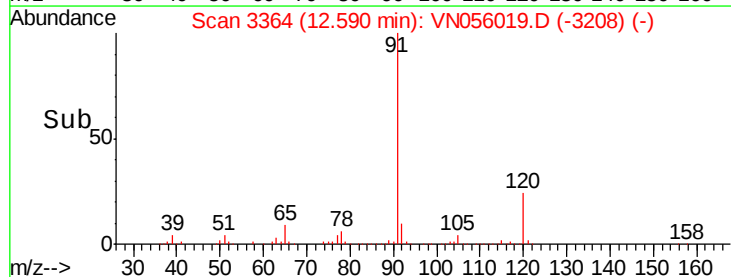
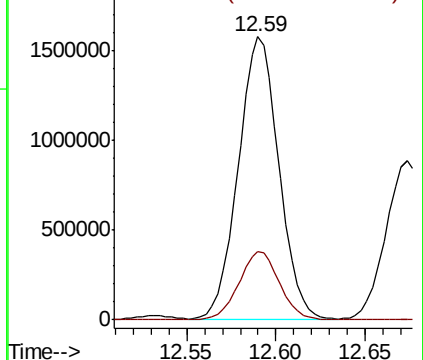
91 100

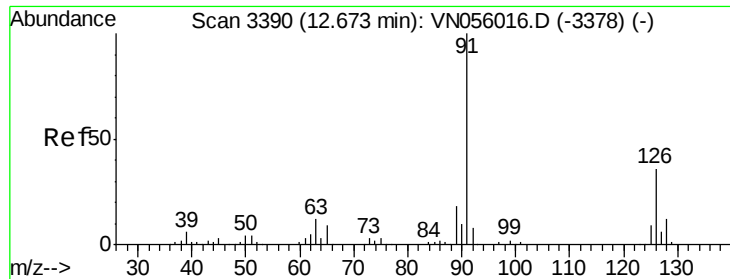
120 24.2 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 149.036 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

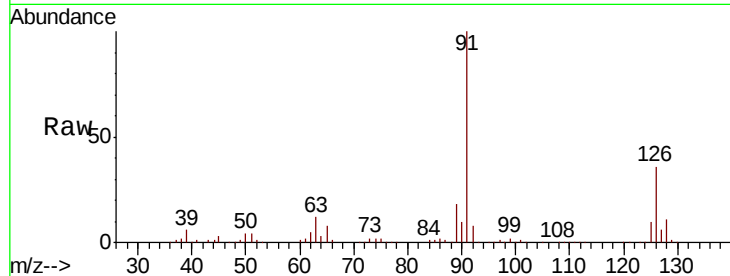
VSTDIC150

Tot Ion: 91 Resp: 1488812

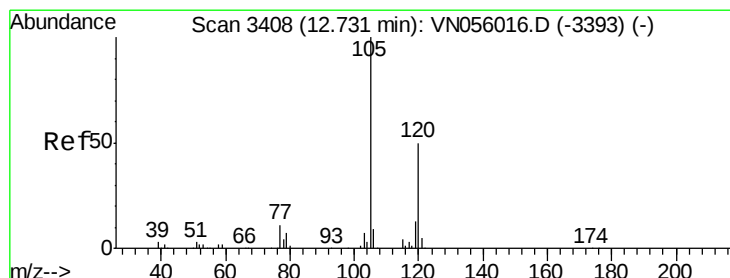
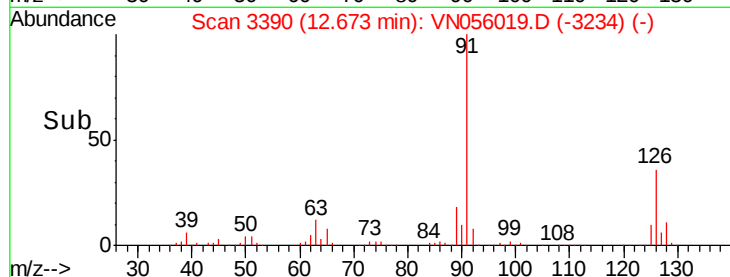
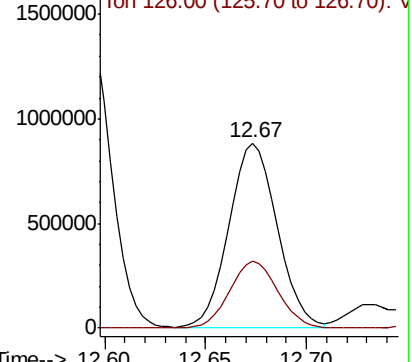
Ion Ratio Lower Upper

91 100

126 36.1 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056019.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 150.828 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056019.D

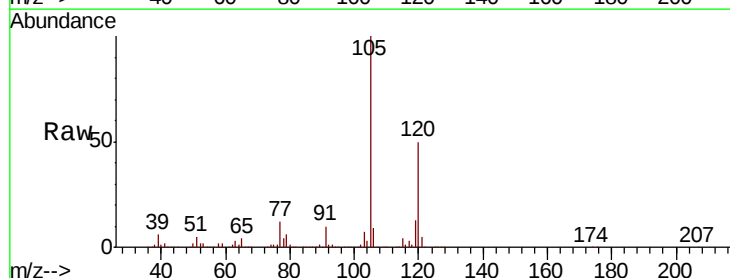
Acq: 5 Jun 2019 20:33

Tgt Ion:105 Resp: 1894438

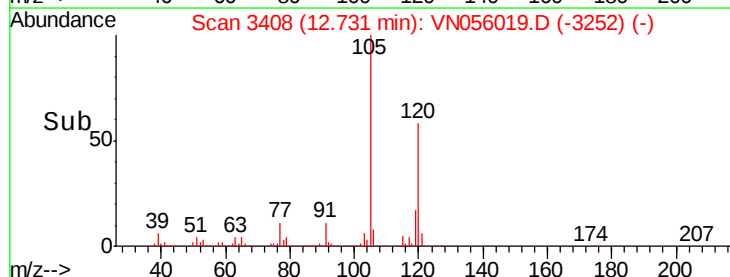
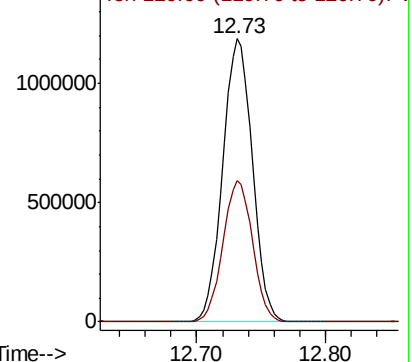
Ion Ratio Lower Upper

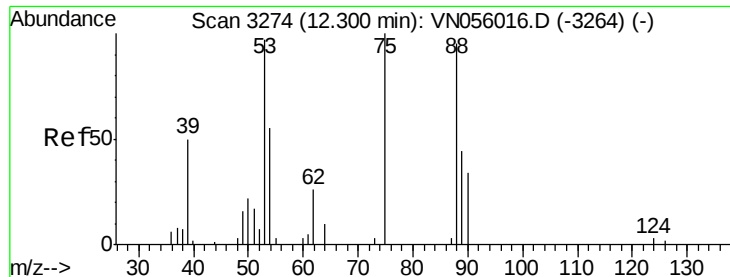
105 100

120 49.8 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056019.D (-3393) (-)



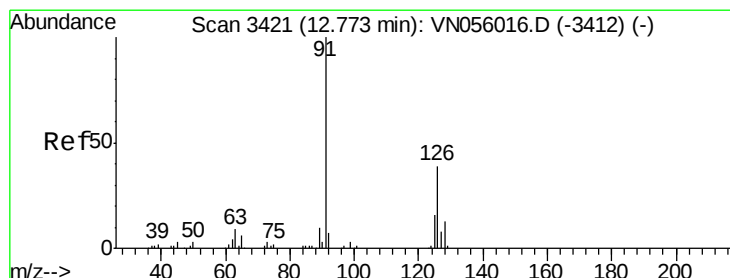
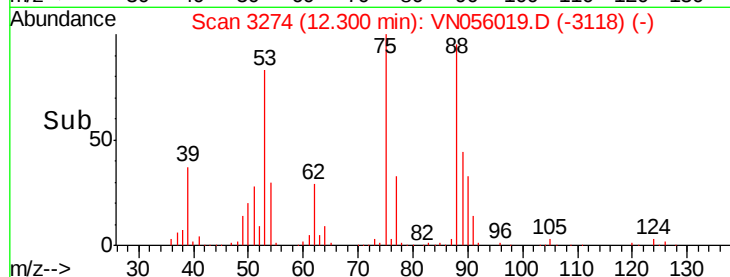
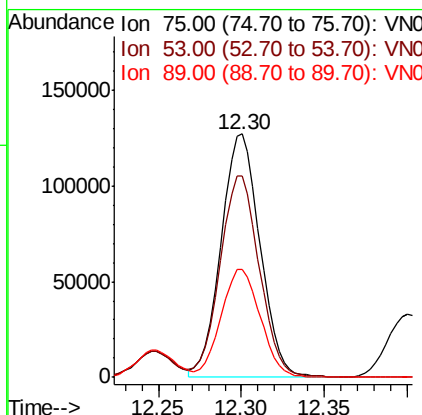
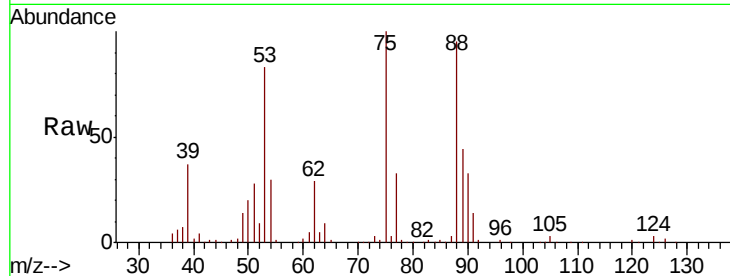


#77
t-1,4-Dichloro-2-butene
Concen: 139.236 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 207898

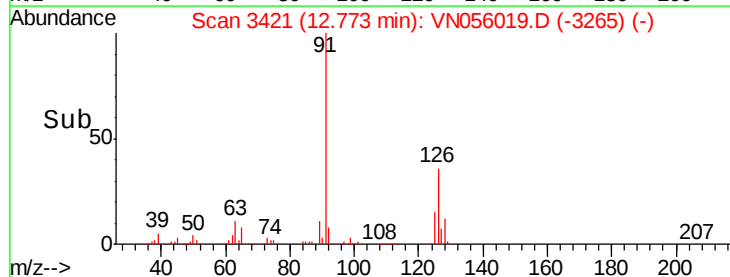
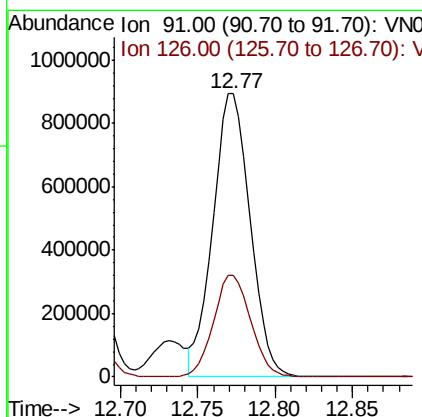
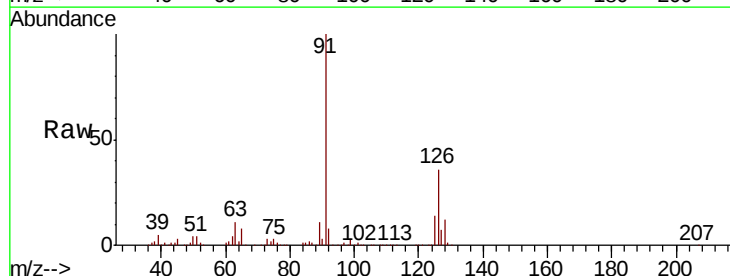
Ion	Ratio	Lower	Upper
75	100		
53	82.9	48.0	144.0
89	44.5	22.5	67.5

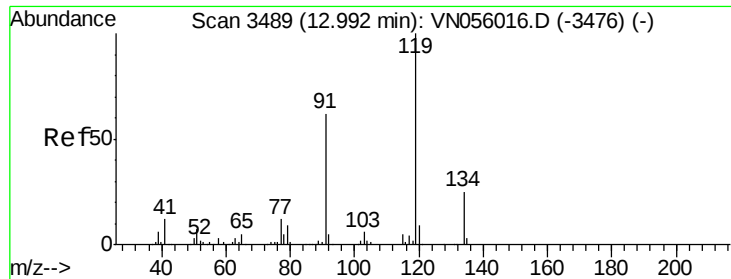


#78
4-Chlorotoluene
Concen: 158.916 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion: 91 Resp: 1498294

Ion	Ratio	Lower	Upper
91	100		
126	35.7	0.0	71.8

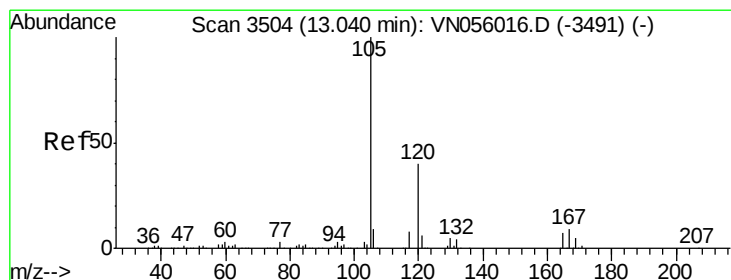
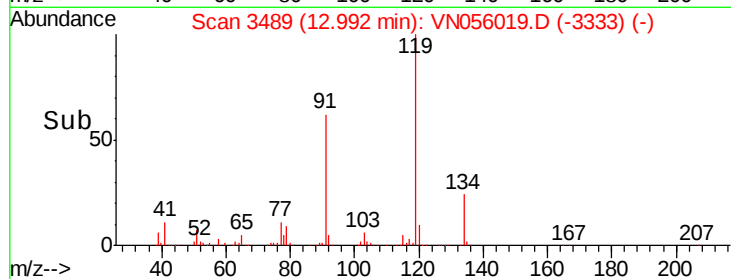
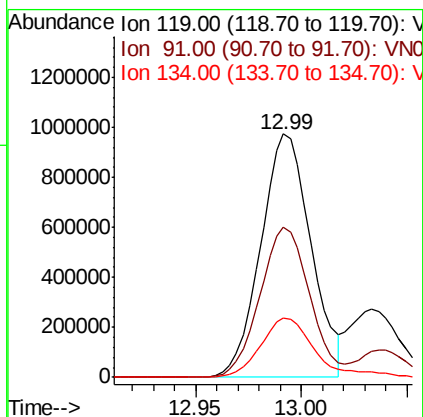
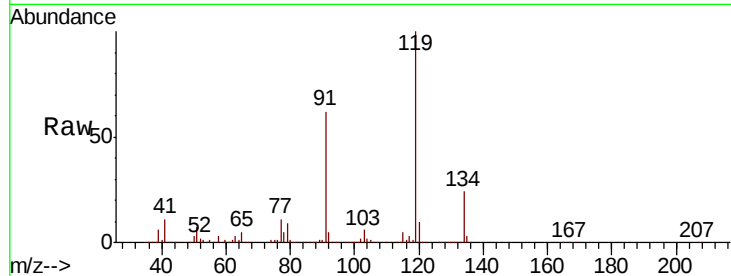




#79
tert-butylbenzene
Concen: 146.605 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

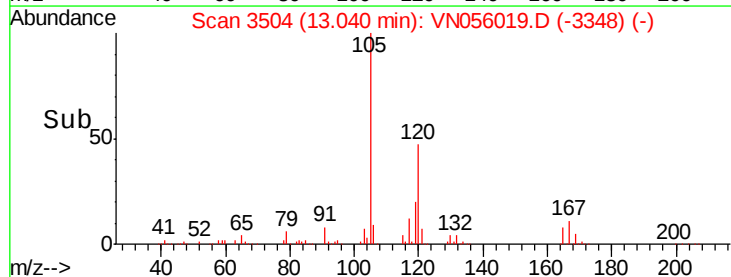
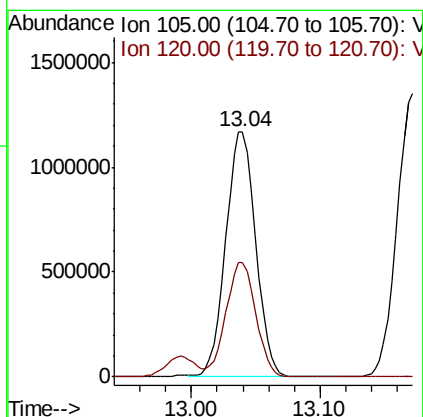
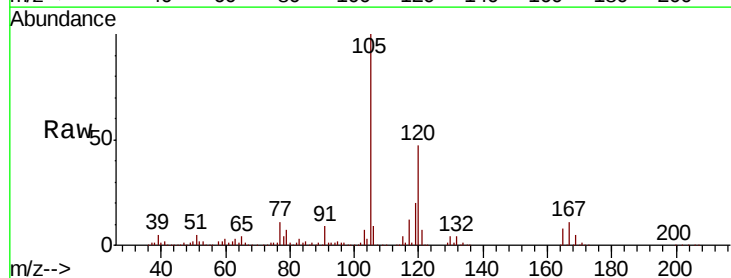
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

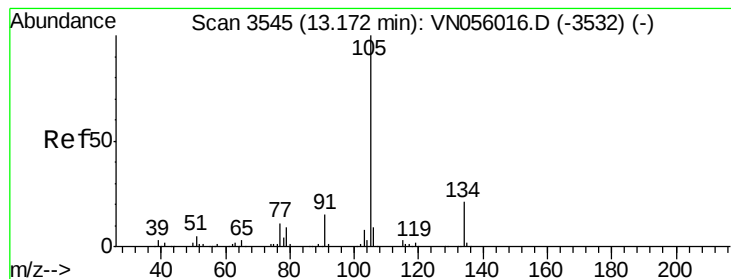
Tot Ion:119 Resp: 1616315
Ion Ratio Lower Upper
119 100
91 61.1 0.0 122.8
134 26.5 0.0 50.2



#80
1,2,4-Trimethylbenzene
Concen: 151.624 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion:105 Resp: 1882418
Ion Ratio Lower Upper
105 100
120 46.6 0.0 93.4





#81

sec-Butylbenzene

Concen: 152.586 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampled :

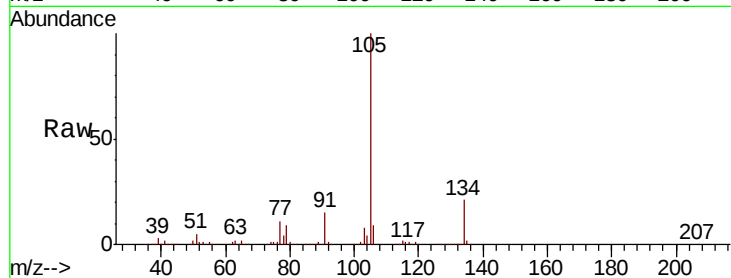
VSTDIC150

Tot Ion:105 Resp: 2139421

Ion Ratio Lower Upper

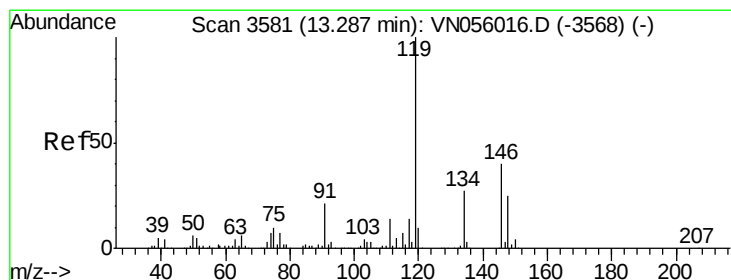
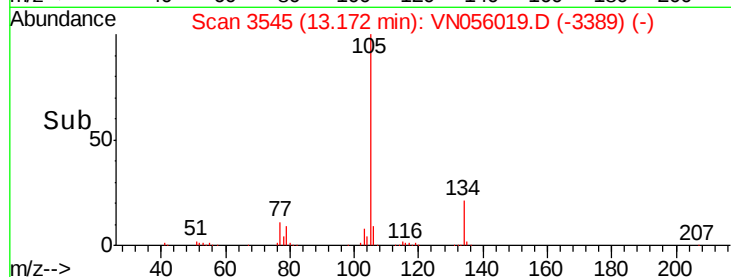
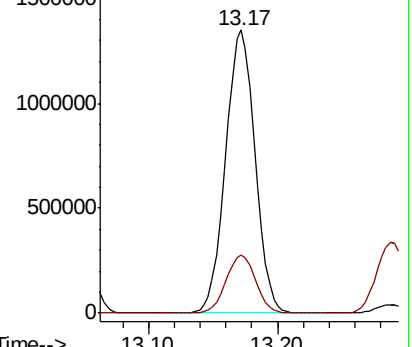
105 100

134 20.6 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 155.556 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

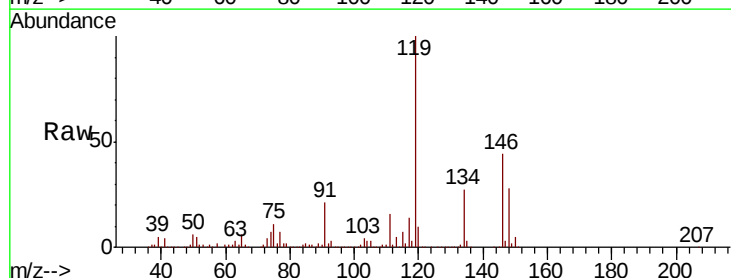
Tgt Ion:119 Resp: 1998051

Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.4

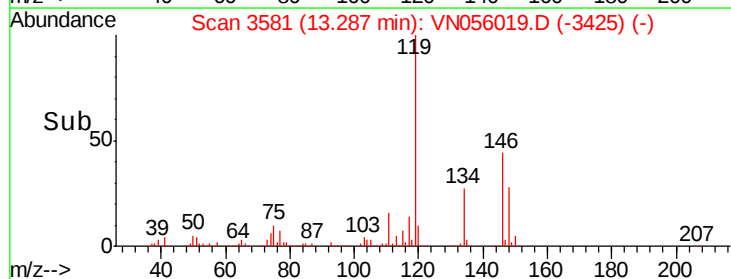
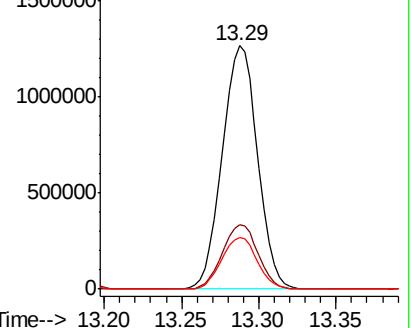
91 21.3 0.0 43.0

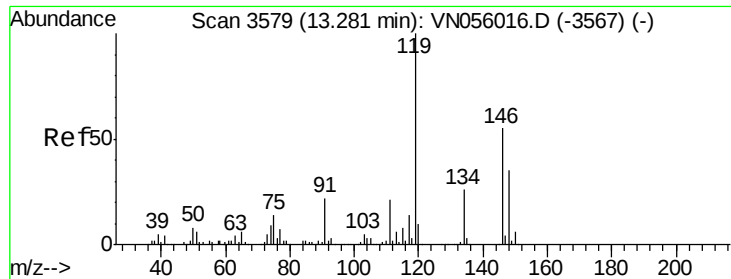


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

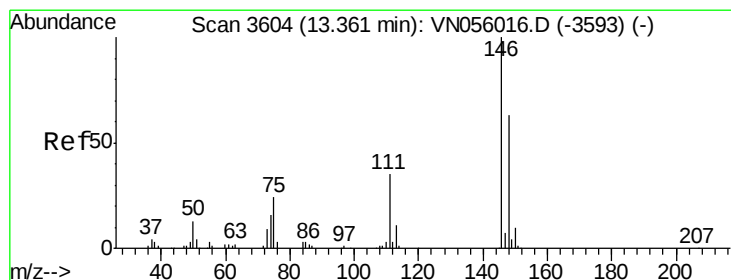
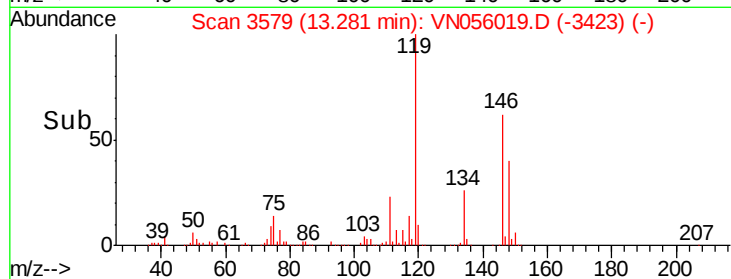
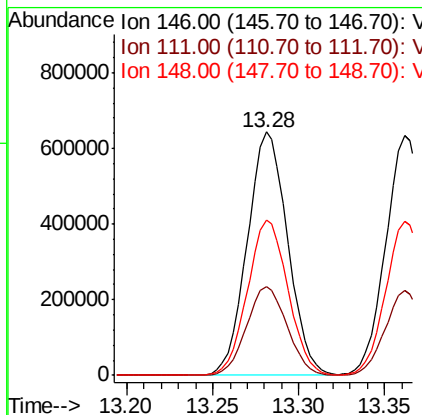
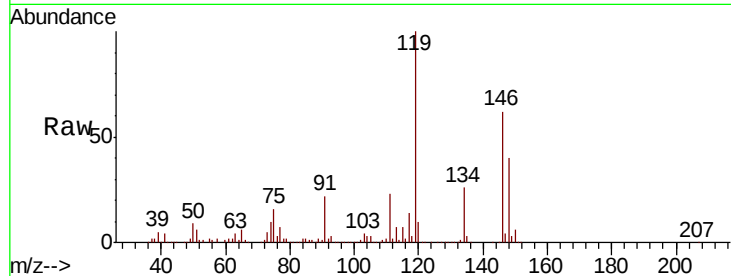




#83
 1,3-Dichlorobenzene
 Concen: 166.966 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

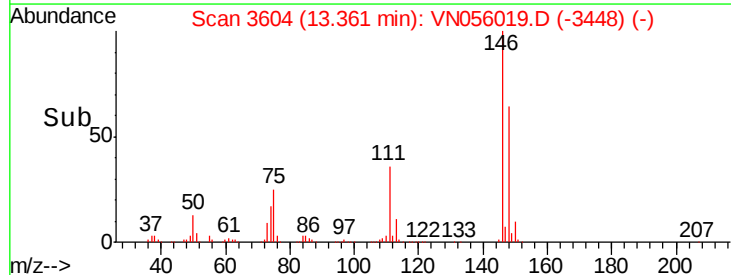
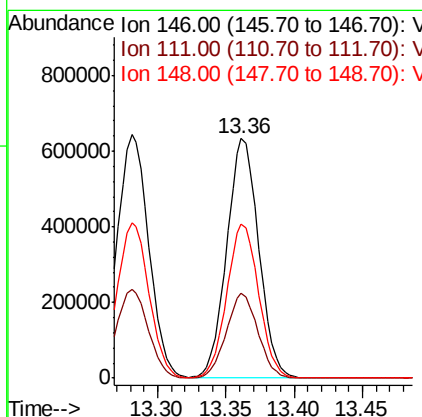
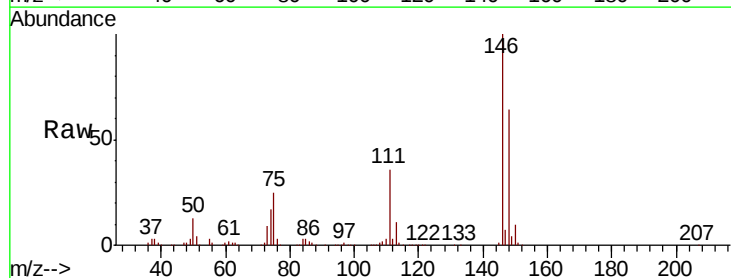
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

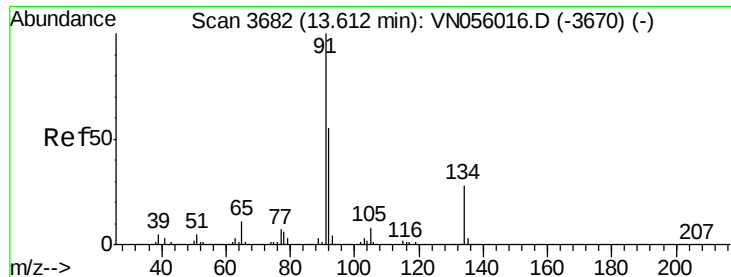
Tot Ion:146 Resp: 1049007
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.2 54.6
 148 63.9 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 172.834 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

Tgt Ion:146 Resp: 1030494
 Ion Ratio Lower Upper
 146 100
 111 35.0 17.6 52.9
 148 64.3 32.1 96.3

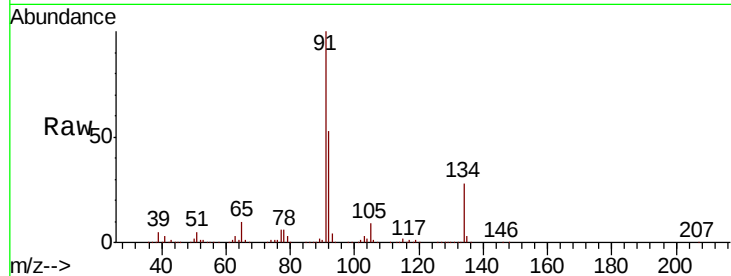




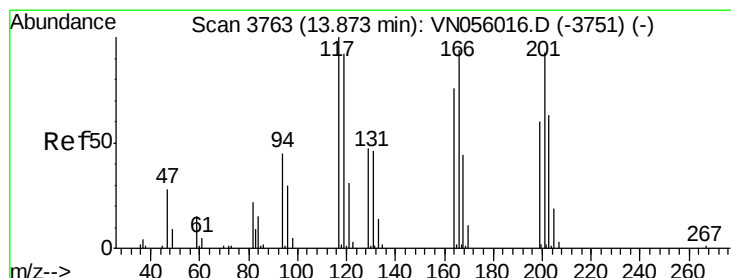
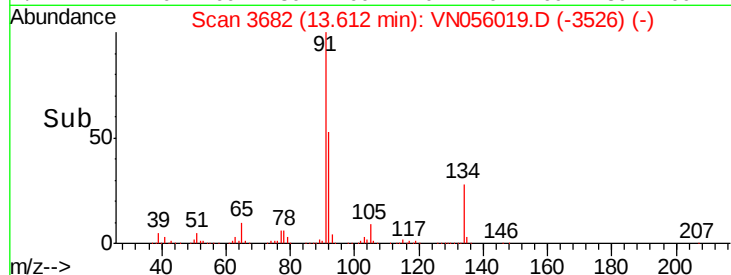
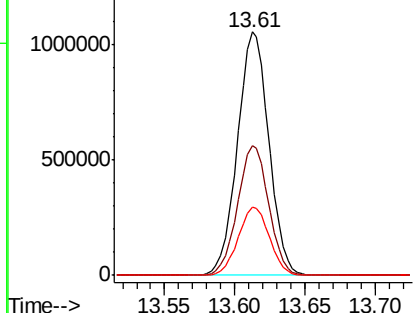
#85
n-Butylbenzene
Concen: 166.550 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 1643685
Ion Ratio Lower Upper
91 100
92 52.9 0.0 107.2
134 27.9 0.0 55.8

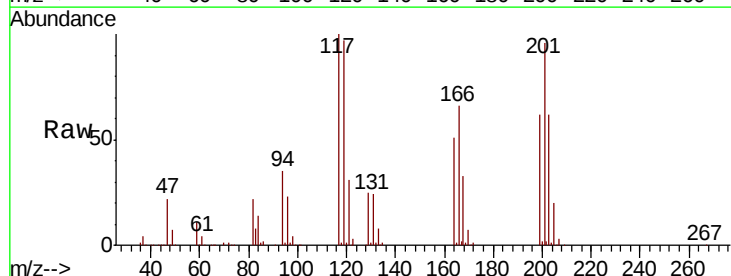


Abundance Ion 91.00 (90.70 to 91.70): VN056019.D (-3670) (-)
Ion 92.00 (91.70 to 92.70): VN056019.D (-3670) (-)
Ion 134.00 (133.70 to 134.70): VN056019.D (-3670) (-)

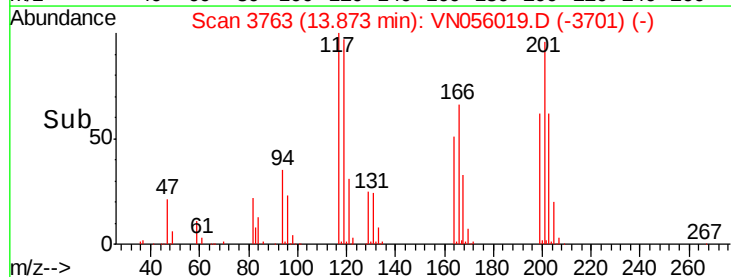
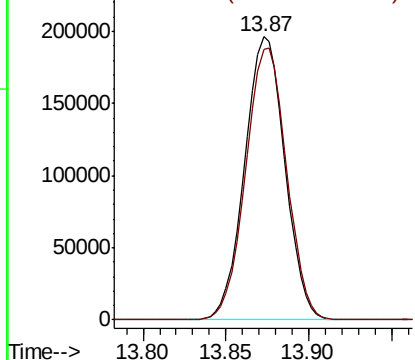


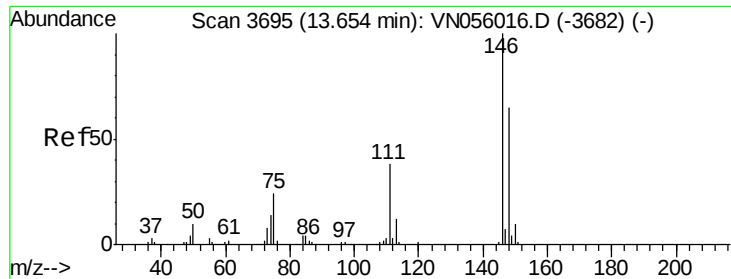
#86
Hexachloroethane
Concen: 137.520 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion: 117 Resp: 330916
Ion Ratio Lower Upper
117 100
201 97.5 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056019.D (-3751) (-)
Ion 201.00 (200.70 to 201.70): VN056019.D (-3751) (-)

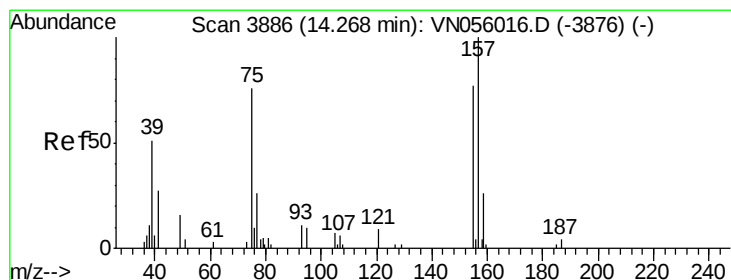
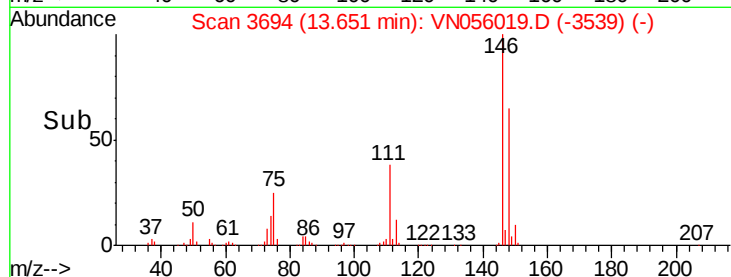
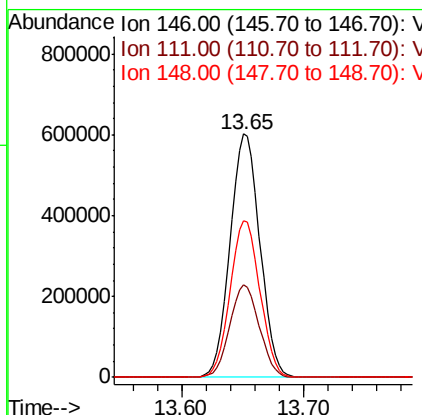
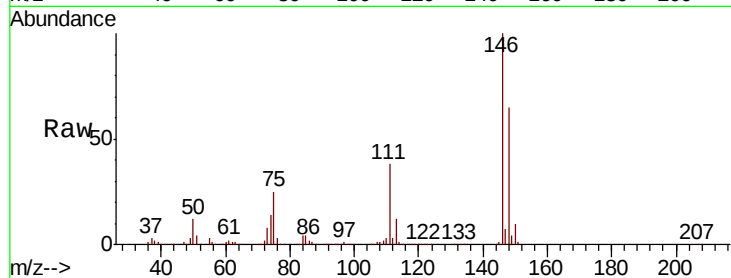




#87
 1,2-Dichlorobenzene
 Concen: 161.607 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

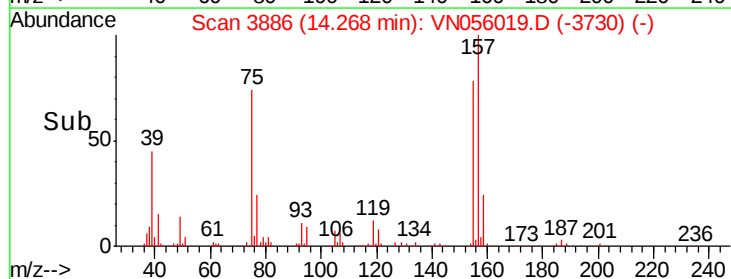
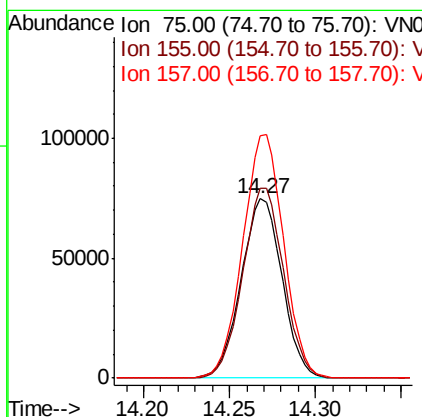
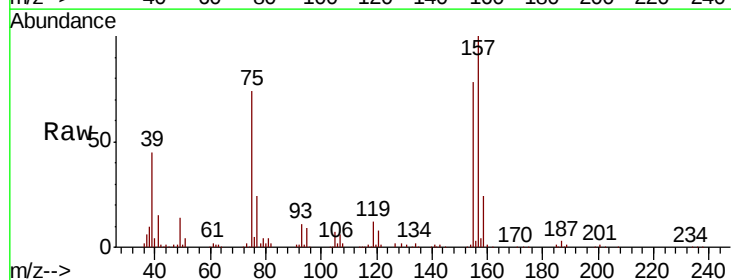
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

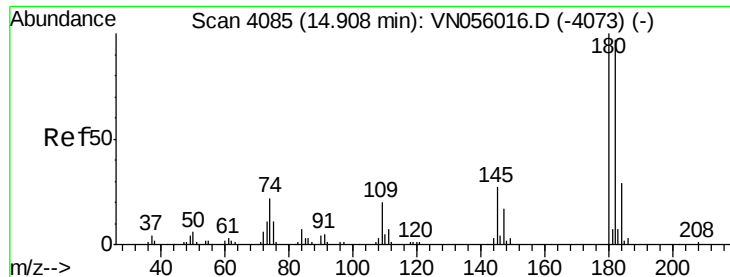
Tot Ion:146 Resp: 1022456
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.3 57.9
 148 64.3 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 146.949 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056019.D
 Acq: 5 Jun 2019 20:33

Tgt Ion: 75 Resp: 123567
 Ion Ratio Lower Upper
 75 100
 155 105.6 82.5 123.7
 157 135.5 105.1 157.7

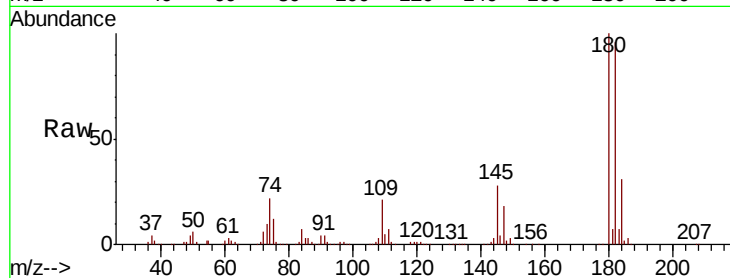




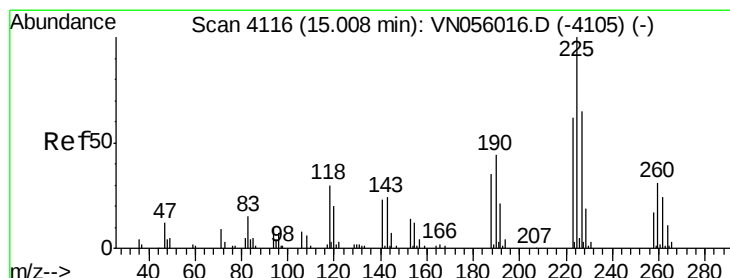
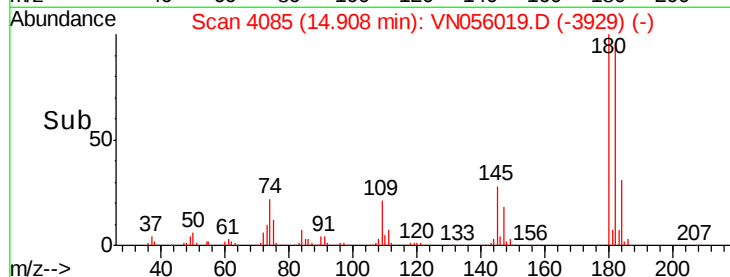
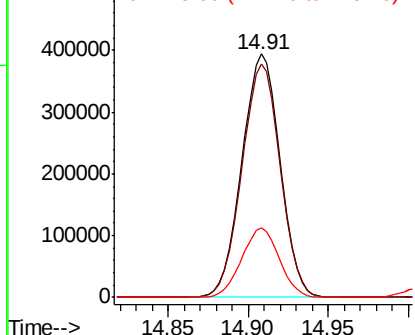
#89
1,2,4-Trichlorobenzene
Concen: 192.144 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:180 Resp: 643072
Ion Ratio Lower Upper
180 100
182 96.1 75.0 112.6
145 28.2 22.1 33.1

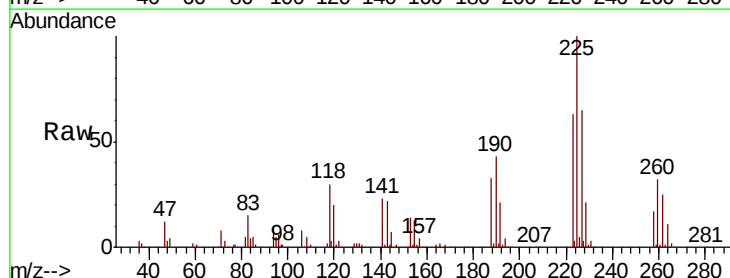


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

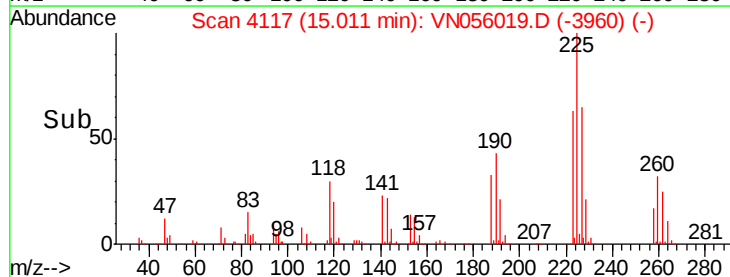
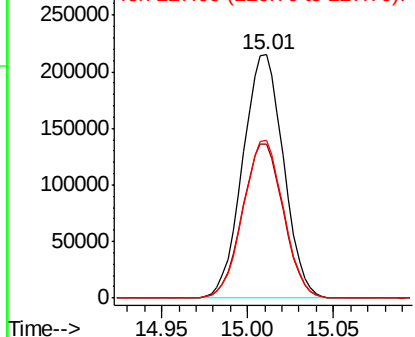


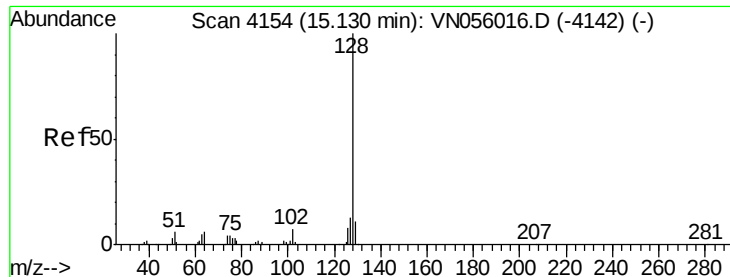
#90
Hexachlorobutadiene
Concen: 141.755 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN056019.D
Acq: 5 Jun 2019 20:33

Tgt Ion:225 Resp: 354921
Ion Ratio Lower Upper
225 100
223 63.4 0.0 125.6
227 64.2 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: 188.008 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

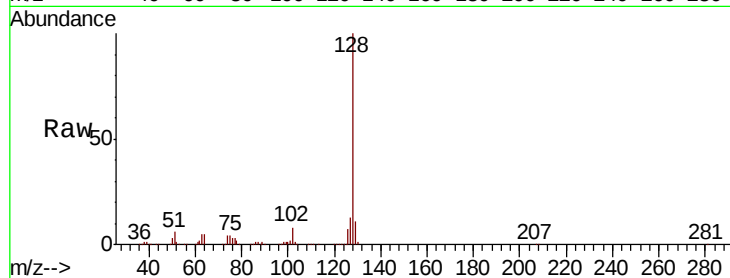
Tot Ion:128 Resp: 1713623

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

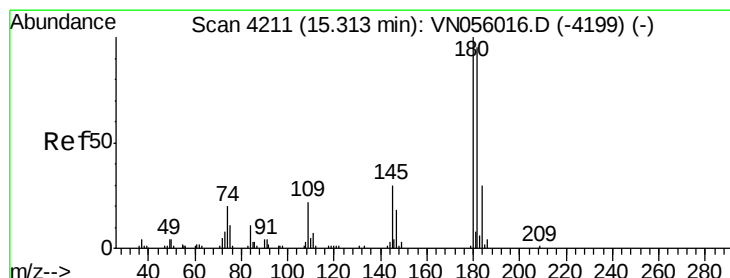
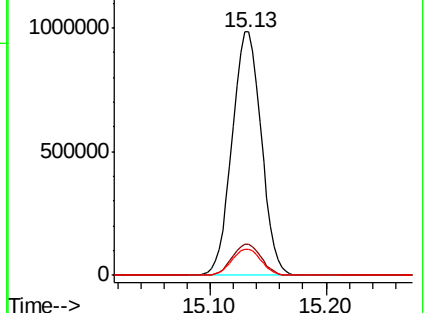
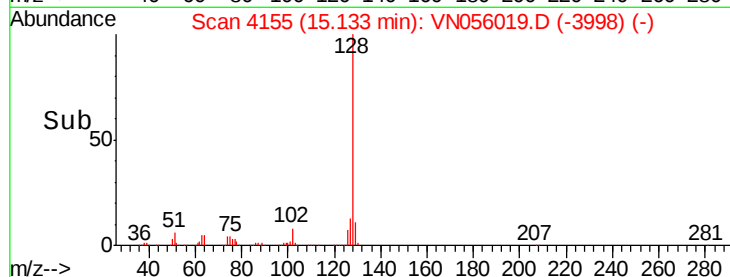
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 183.697 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056019.D

Acq: 5 Jun 2019 20:33

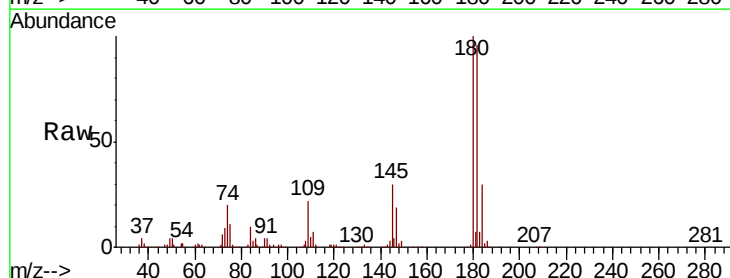
Tgt Ion:180 Resp: 643889

Ion Ratio Lower Upper

180 100

182 95.9 0.0 193.4

145 29.8 0.0 59.8



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

