

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055254.D
 Acq On : 25 Apr 2019 19:40
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Apr 26 04:39:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 04:33:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	70671	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	400939	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	356082	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	167646	31.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.67%
60) 4-Bromofluorobenzene	12.40	95	174197	31.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.07%
63) Toluene-d8	10.09	98	494168	29.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	547082	134.870	ug/l 99
3) Chloromethane	2.06	50	775185	139.681	ug/l 94
4) Vinyl Chloride	2.18	62	637076	133.774	ug/l 98
5) Bromomethane	2.54	94	347026	126.232	ug/l 96
6) Chloroethane	2.69	64	356563	133.935	ug/l 100
7) Trichlorofluoromethane	3.01	101	928434	149.388	ug/l 95
8) Diethyl Ether	3.41	74	394893	188.301	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	595003	169.217	ug/l 98
10) 1,1-Dichloroethene	3.73	96	561805	172.249	ug/l 99
11) Methyl Iodide	3.95	142	920615	184.566	ug/l 99
12) Methyl Acetate	4.33	43	823004	194.594	ug/l 95
13) Acrolein	3.61	56	176030	552.695	ug/l 97
14) Acrylonitrile	4.99	53	1465052	871.210	ug/l 99
15) Acetone	3.82	58	339564	846.495	ug/l 95
16) Carbon Disulfide	4.05	76	1603452	152.520	ug/l 99
17) Allyl chloride	4.32	41	1266900	163.155	ug/l 99
18) Methylene Chloride	4.55	84	675467	144.226	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	602551	146.734	ug/l 95
20) Diisopropyl ether	5.95	45	2506167	156.608	ug/l 99
21) 1,1-Dichloroethane	5.85	63	1279381	151.317	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	706334	148.773	ug/l 98
23) tert-Butyl Alcohol	4.79	59	304918	1082.617	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1871978	171.038	ug/l 100
25) Chloroform	7.37	83	1213363	150.563	ug/l 96
26) Cyclohexane	7.65	56	1139240	147.950	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	924943	146.947	ug/l 99
30) 2-Butanone	6.84	43	1842580	840.756	ug/l 99
31) 2,2-Dichloropropane	6.83	77	872135	148.662	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	1020606	151.131	ug/l 99
33) Carbon Tetrachloride	7.77	117	866764	149.755	ug/l 97
34) Benzene	8.04	78	2732276	145.681	ug/l # 88
35) Methacrylonitrile	7.18	41	450570	170.642	ug/l 97
36) 1,2-Dichloroethane	8.12	62	946733	146.321	ug/l 100
37) Trichloroethene	8.84	130	676686	142.384	ug/l 99
38) Methylcyclohexane	9.08	83	993913	138.673	ug/l 97
39) 1,2-Dichloropropane	9.12	63	779458	148.965	ug/l 100
40) Dibromomethane	9.21	93	433854	145.868	ug/l 99

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Quant Time: Apr 26 04:39:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 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	933999	153.125	ug/l	96
42) Vinyl Acetate	5.90	43	9154845	833.774	ug/l	99
43) Ethyl Acetate	6.93	43	790490	172.307	ug/l	98
44) Isopropyl Acetate	8.17	43	1416316	179.511	ug/l #	77
45) 1,4-Dioxane	9.20	88	148591	3485.456	ug/l	97
46) Methyl methacrylate	9.20	41	716758	179.813	ug/l	98
47) n-amyl Acetate	12.07	43	1151577	203.642	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1008259	175.863	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	1127622	162.258	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	611453	150.960	ug/l	98
51) Ethyl methacrylate	10.43	69	898407	180.984	ug/l	99
52) 1,3-Dichloropropane	10.71	76	1096045	154.802	ug/l	99
53) Dibromochloromethane	10.90	129	679208	162.812	ug/l	100
54) 1,2-Dibromoethane	11.00	107	626664	163.517	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	1501371	783.882	ug/l	100
56) Bromoform	12.13	173	472201	176.801	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	4024432	901.649	ug/l	99
59) 2-Hexanone	10.75	43	2600256	923.162	ug/l	99
61) Tetrachloroethene	10.63	164	621157	132.883	ug/l	96
62) Toluene	10.16	91	2852183	143.806	ug/l	98
64) Chlorobenzene	11.43	112	1754056	147.344	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	655312	152.627	ug/l	98
66) Ethyl Benzene	11.51	91	3132759	147.824	ug/l	99
67) m/p-Xylenes	11.62	106	2306875	293.426	ug/l	98
68) o-Xylene	11.95	106	1141510	145.844	ug/l	95
69) Styrene	11.96	104	1856564	153.942	ug/l	99
70) Isopropylbenzene	12.25	105	3025904	145.628	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	805623	162.962	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	1018040	249.707	ug/l	62
73) Bromobenzene	12.53	156	738652	150.602	ug/l	99
74) n-propylbenzene	12.59	91	3493090	150.914	ug/l	99
75) 2-Chlorotoluene	12.67	91	2112857	150.592	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2513046	149.987	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	220657	209.610	ug/l	90
78) 4-Chlorotoluene	12.77	91	2118960	158.327	ug/l	99
79) tert-butylbenzene	12.99	119	2146702	147.715	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	2502408	151.403	ug/l	100
81) sec-Butylbenzene	13.17	105	2873619	148.700	ug/l	99
82) p-Isopropyltoluene	13.29	119	2456773	151.511	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1280288	157.518	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	1261076	163.215	ug/l	98
85) n-Butylbenzene	13.61	91	2117782	165.849	ug/l	99
86) Hexachloroethane	13.87	117	441644	167.518	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	1239490	154.823	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	134048	201.651	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	636743	182.181	ug/l	99
90) Hexachlorobutadiene	15.01	225	393211	151.540	ug/l	99
91) Naphthalene	15.13	128	1515647	203.209	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	634523	180.346	ug/l	99

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ClientSampleId :
VSTDICC150

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 26 04:33:00 2019
Response via : Initial Calibration

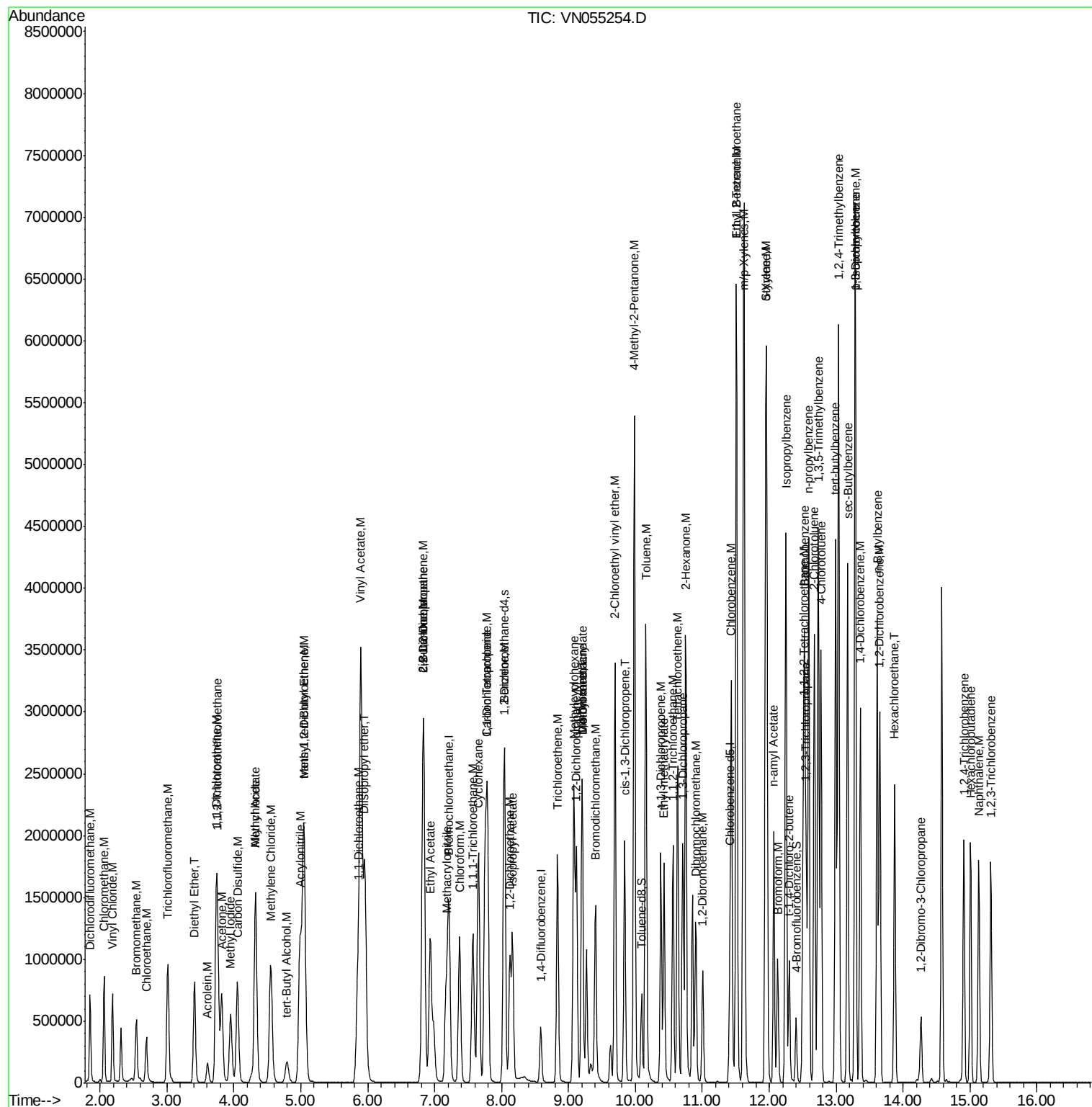
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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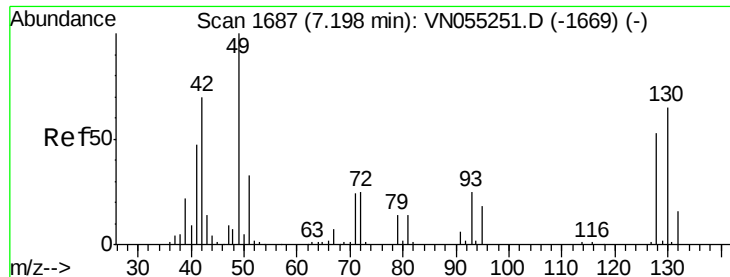
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
Data File : VN055254.D
Acq On : 25 Apr 2019 19:40
Operator : JC/SP
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Quant Time: Apr 26 04:39:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 26 04:33:00 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

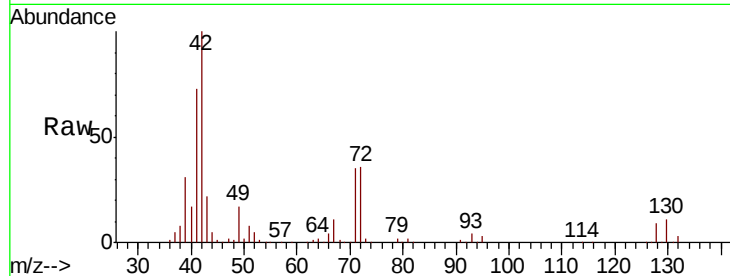
Tot Ion:128 Resp: 70671

Ion Ratio Lower Upper

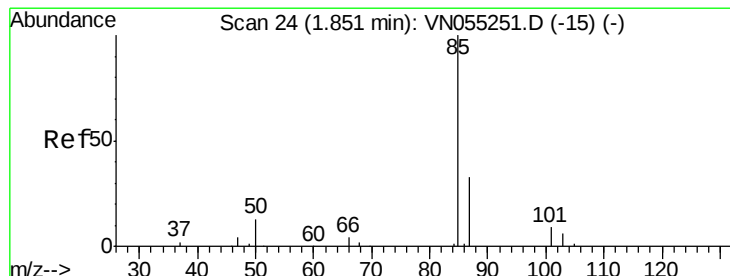
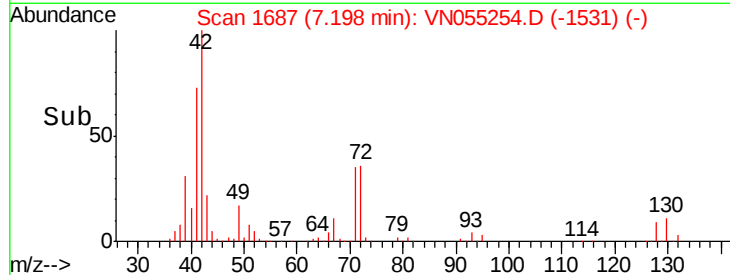
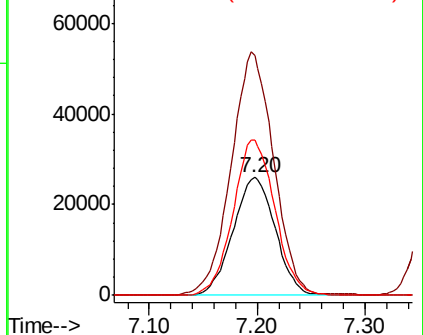
128 100

49 207.8 0.0 485.0

130 130.9 0.0 324.7



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: 134.870 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055254.D

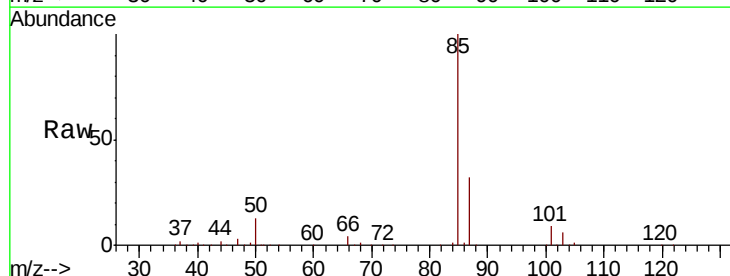
Acq: 25 Apr 2019 19:40

Tgt Ion: 85 Resp: 547082

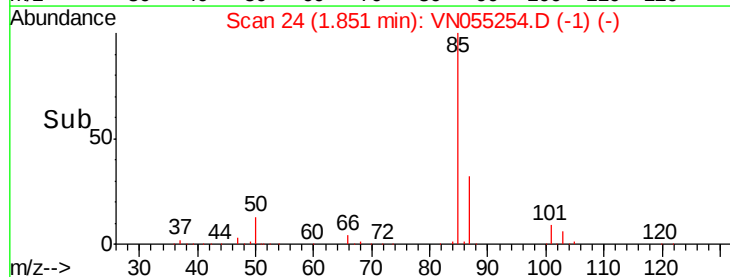
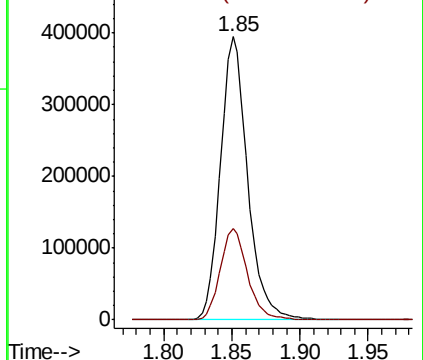
Ion Ratio Lower Upper

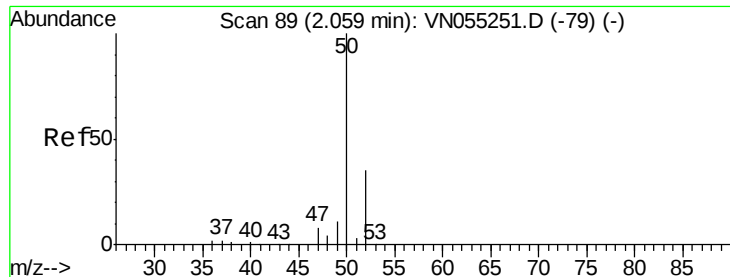
85 100

87 32.3 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 139.681 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

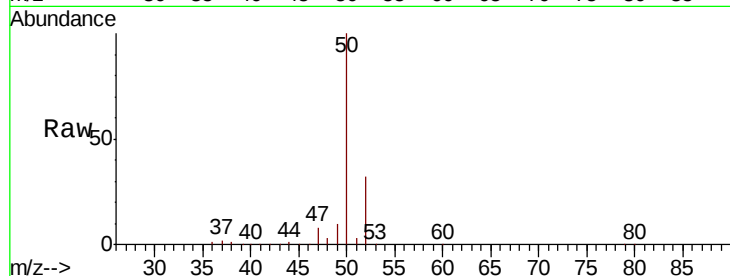
VSTDIC150

Tot Ion: 50 Resp: 775185

Ion Ratio Lower Upper

50 100

52 31.6 27.9 41.9



Abundance Ion 50.00 (49.70 to 50.70): VN055251.D (-79) (-)

Ion 52.00 (51.70 to 52.70): VN055251.D (-79) (-)

2.06

600000

500000

400000

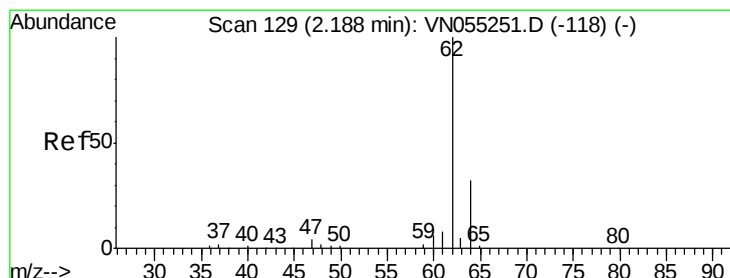
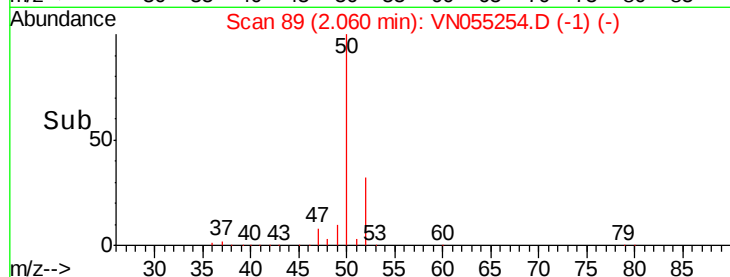
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 133.774 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055254.D

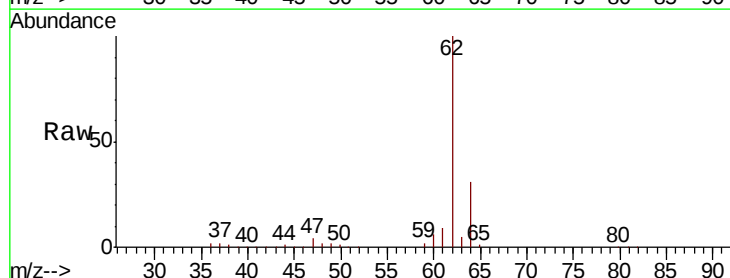
Acq: 25 Apr 2019 19:40

Tgt Ion: 62 Resp: 637076

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN055251.D (-118) (-)

Ion 64.00 (63.70 to 64.70): VN055251.D (-118) (-)

2.18

500000

400000

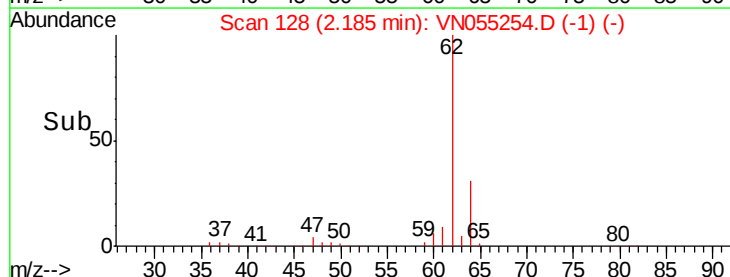
300000

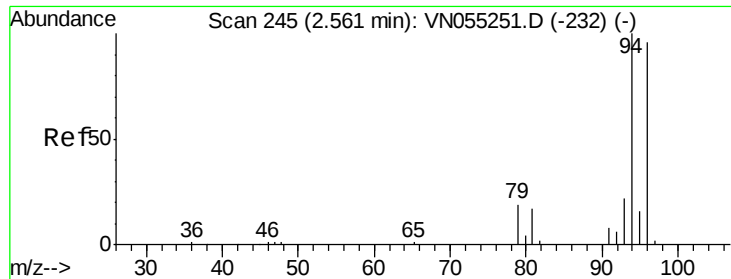
200000

100000

0

Time-->

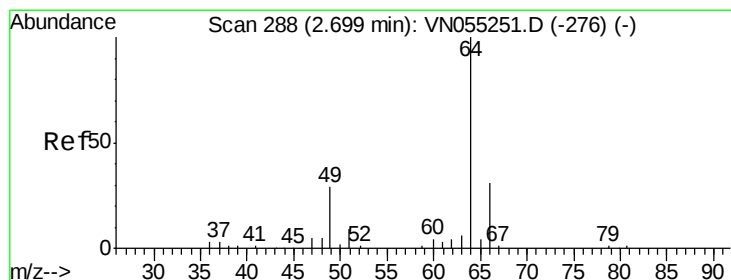
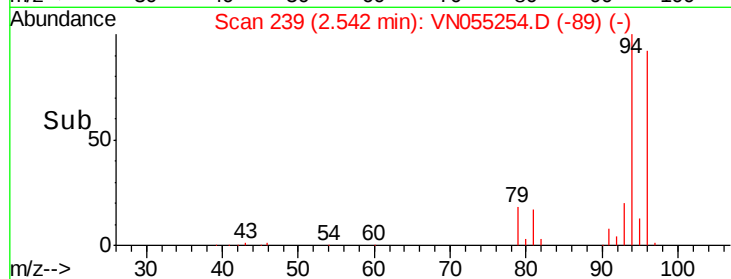
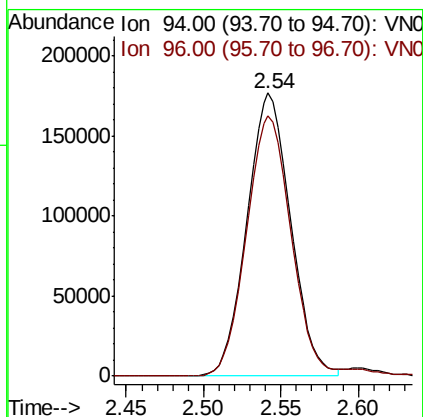
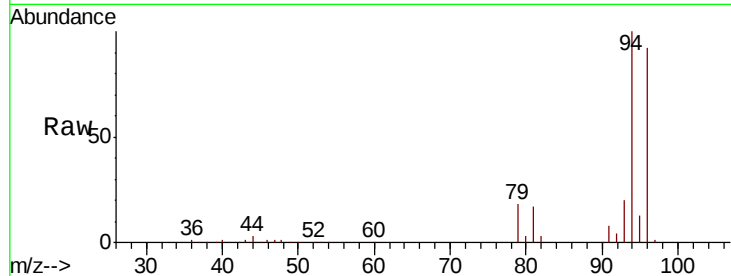




#5
Bromomethane
Concen: 126.232 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.02 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

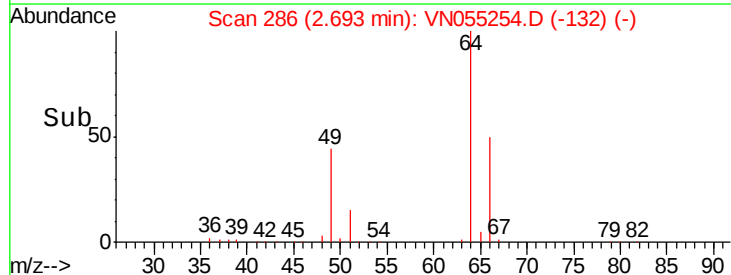
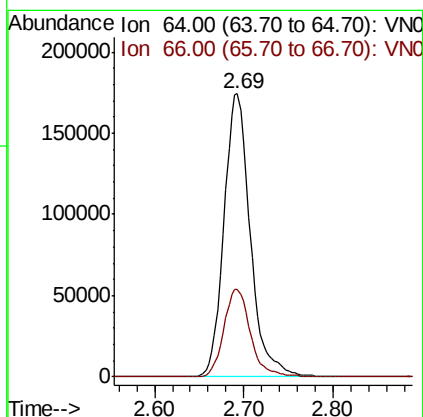
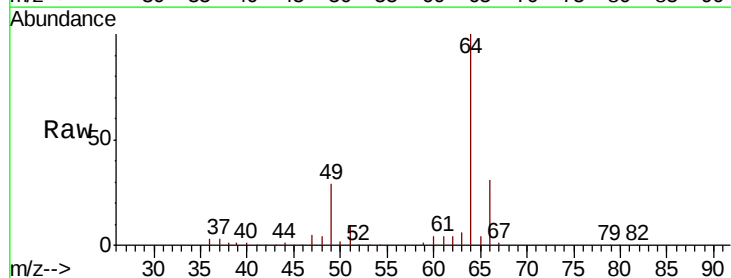
Instrument :
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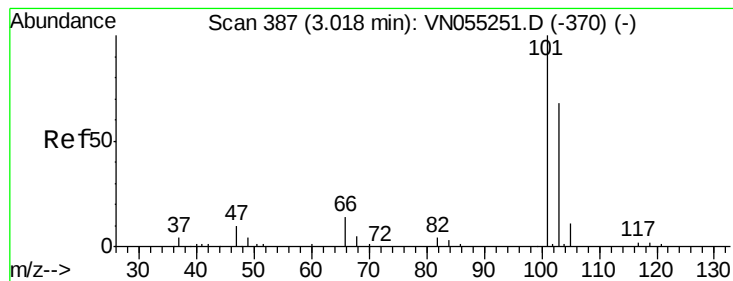
Tot Ion: 94 Resp: 347026
Ion Ratio Lower Upper
94 100
96 92.1 77.0 115.6



#6
Chloroethane
Concen: 133.935 ug/l
RT: 2.69 min Scan# 286
Delta R.T. -0.01 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion: 64 Resp: 356563
Ion Ratio Lower Upper
64 100
66 30.8 24.6 36.8



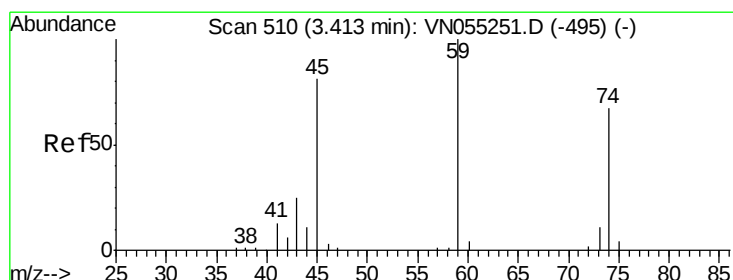
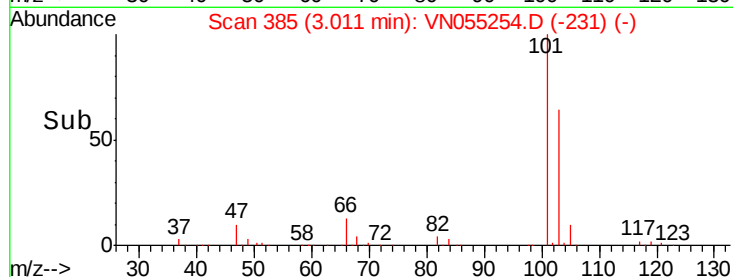
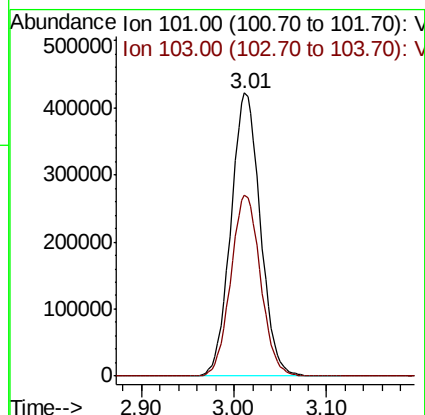
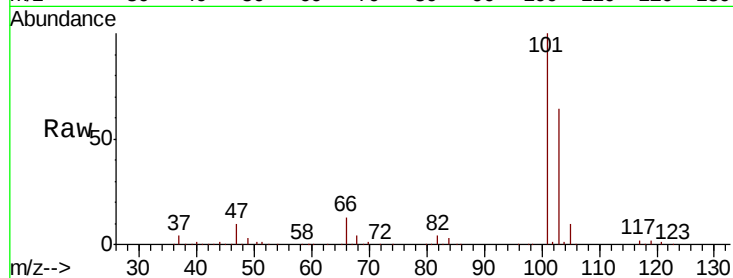


#7

Trichlorofluoromethane
 Concen: 149.388 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

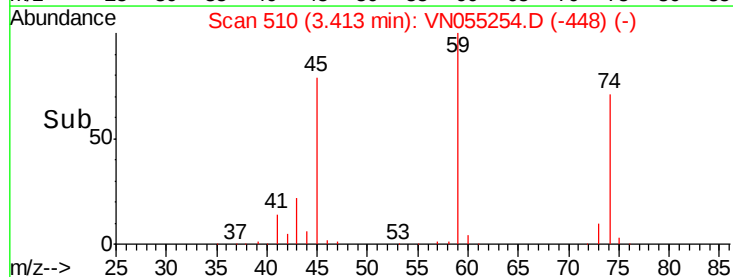
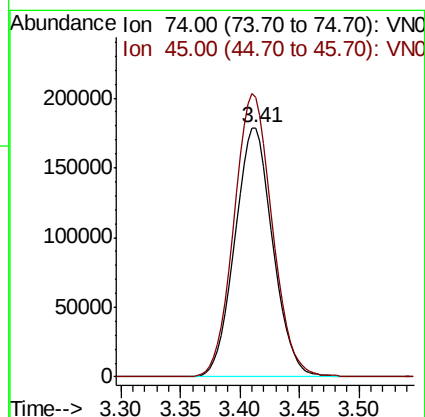
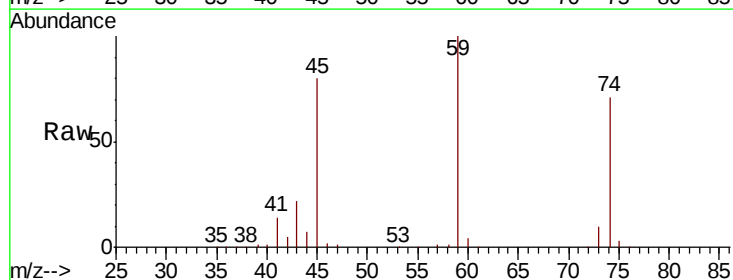
Tot Ion:101 Resp: 928434
 Ion Ratio Lower Upper
 101 100
 103 64.1 54.6 81.8

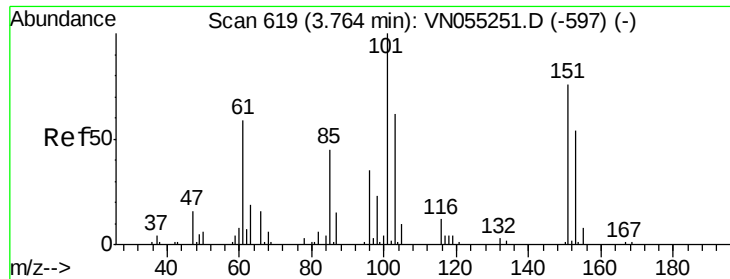


#8

Diethyl Ether
 Concen: 188.301 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion: 74 Resp: 394893
 Ion Ratio Lower Upper
 74 100
 45 114.3 25.1 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 169.217 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

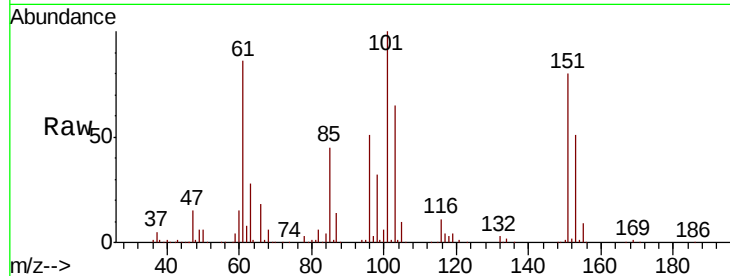
Tot Ion:101 Resp: 595003

Ion Ratio Lower Upper

101 100

85 44.0 0.0 89.0

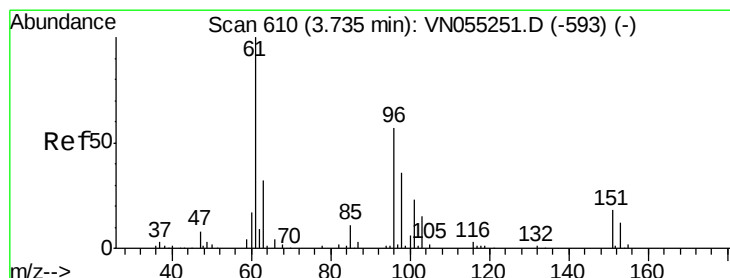
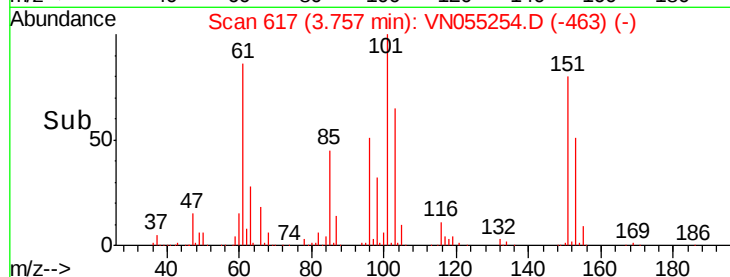
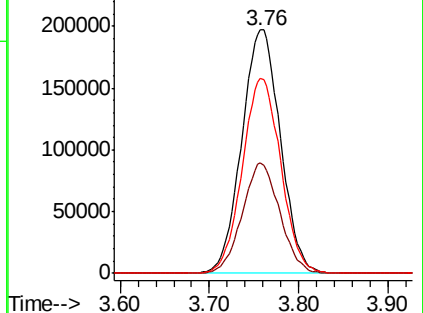
151 79.6 0.0 154.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 172.249 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

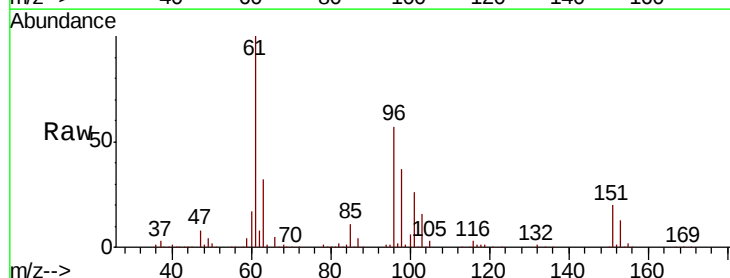
Tgt Ion: 96 Resp: 561805

Ion Ratio Lower Upper

96 100

61 175.6 139.9 209.9

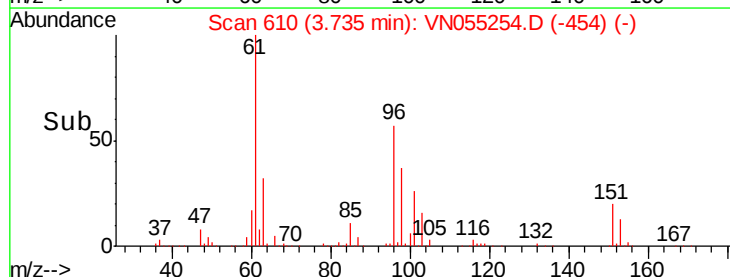
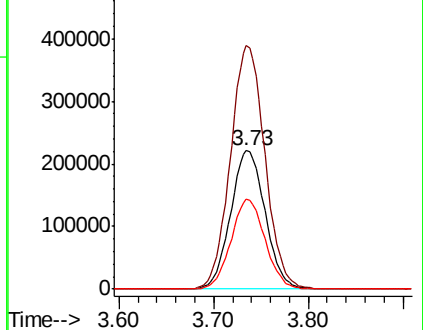
98 64.6 50.8 76.2

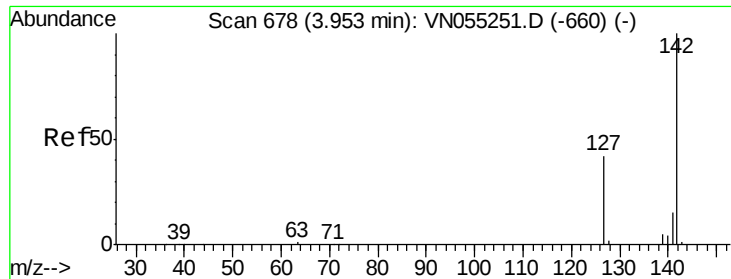


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

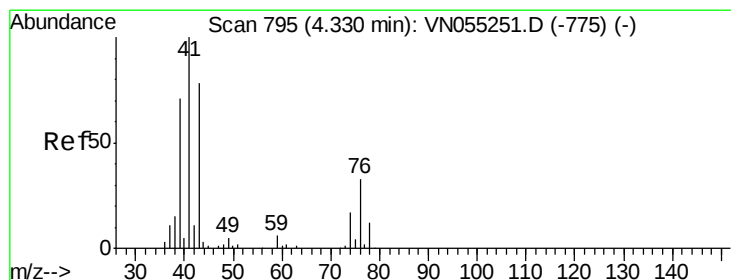
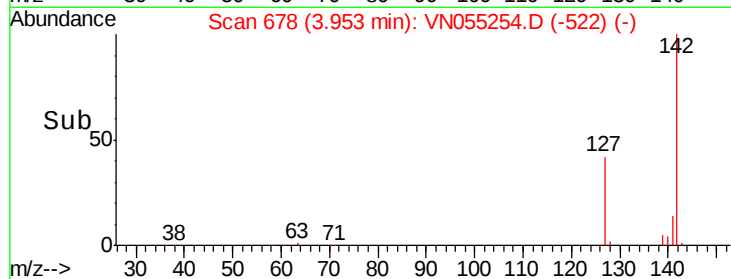
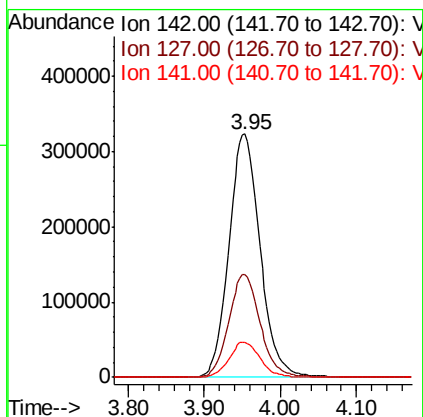
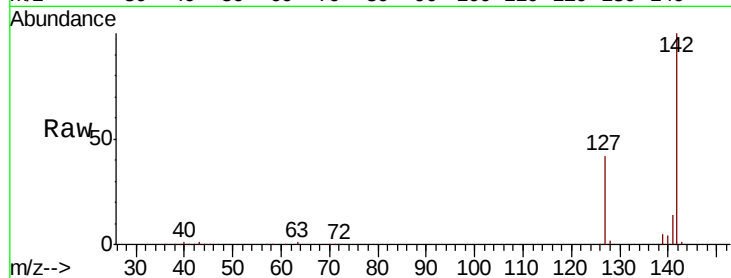




#11
Methyl Iodide
Concen: 184.566 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

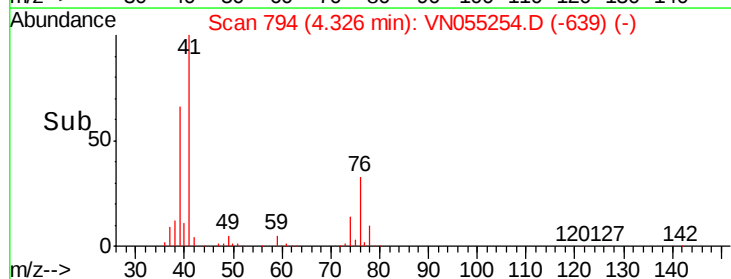
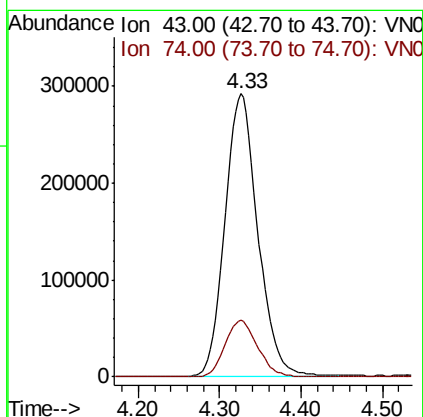
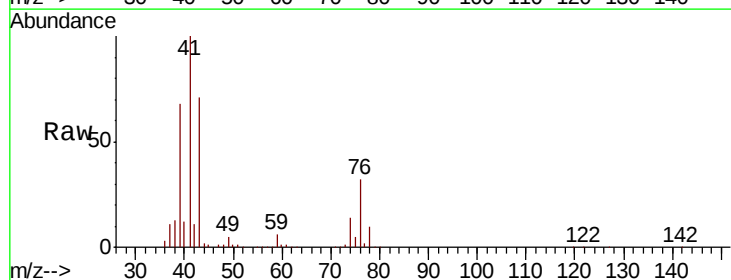
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

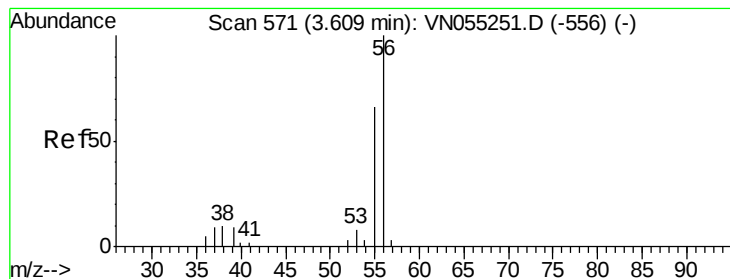
Tot Ion:142 Resp: 920615
Ion Ratio Lower Upper
142 100
127 42.1 20.9 62.7
141 14.1 7.6 22.8



#12
Methyl Acetate
Concen: 194.594 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion: 43 Resp: 823004
Ion Ratio Lower Upper
43 100
74 20.0 17.7 26.5





#13

Acrolein

Concen: 552.695 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

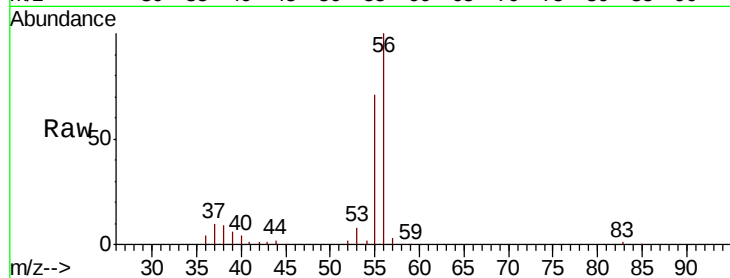
VSTDIC150

Tot Ion: 56 Resp: 176030

Ion Ratio Lower Upper

56 100

55 71.4 54.9 82.3

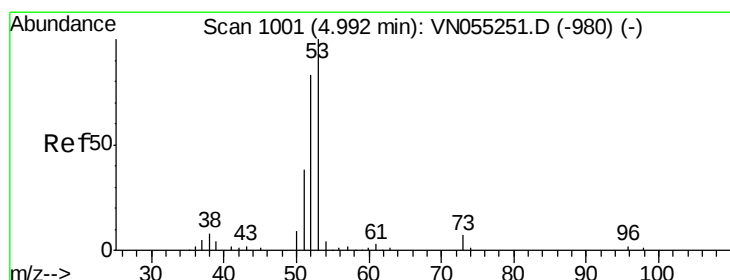
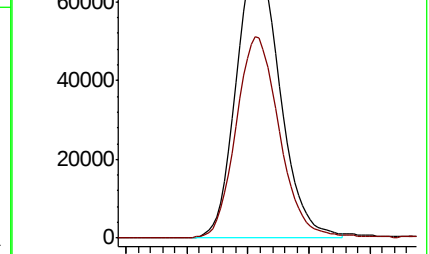
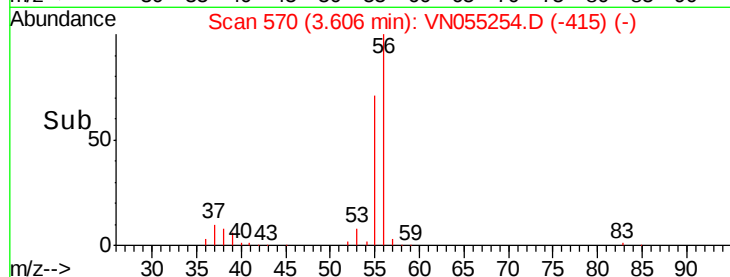


Abundance Ion 56.00 (55.70 to 56.70): VN055251.D (-556) (-)

Ion 55.00 (54.70 to 55.70): VN055251.D (-556) (-)

3.61

Time-->



#14

Acrylonitrile

Concen: 871.210 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

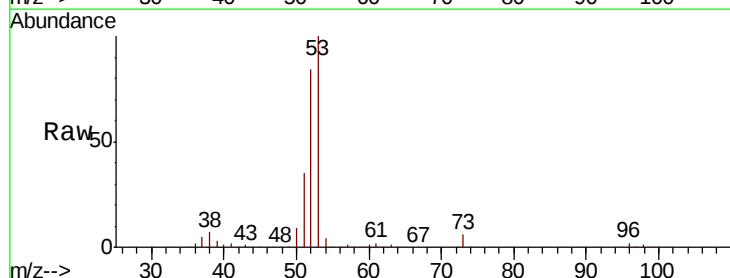
Tgt Ion: 53 Resp: 1465052

Ion Ratio Lower Upper

53 100

52 83.6 41.0 123.2

51 36.4 18.1 54.4



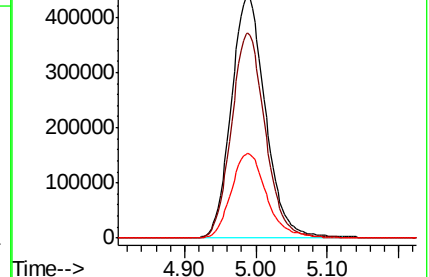
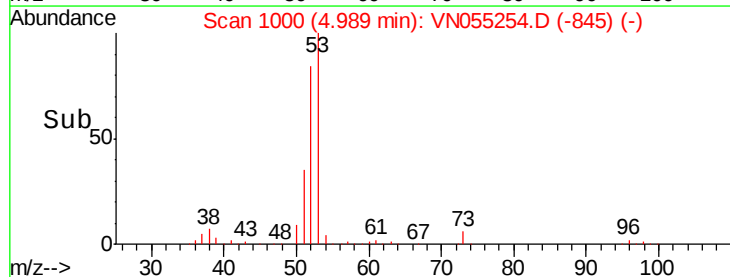
Abundance Ion 53.00 (52.70 to 53.70): VN055251.D (-980) (-)

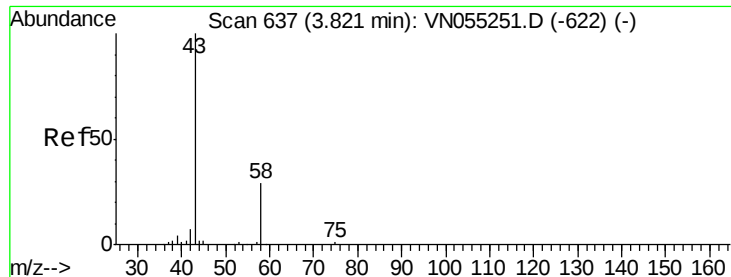
Ion 52.00 (51.70 to 52.70): VN055251.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VN055251.D (-980) (-)

4.99

Time-->





#15

Acetone

Concen: 846.495 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

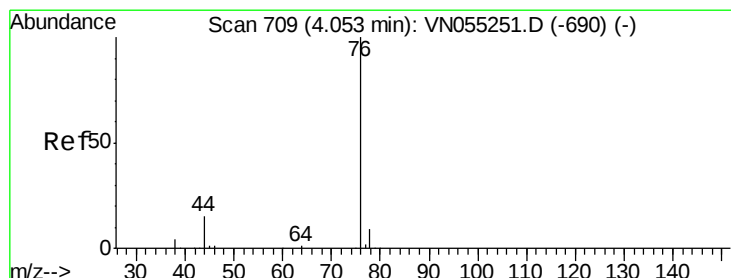
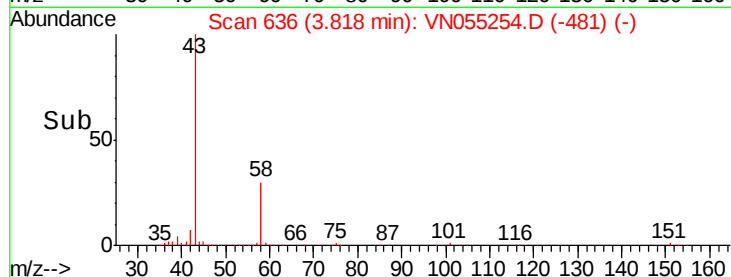
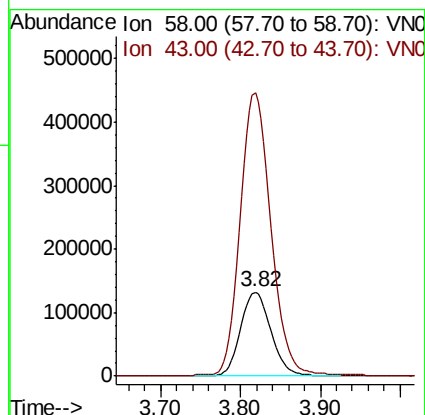
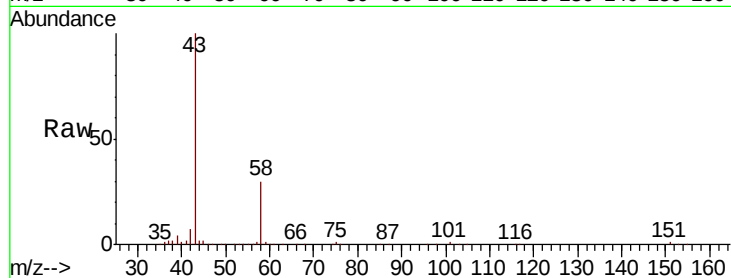
VSTDIC150

Tot Ion: 58 Resp: 339564

Ion Ratio Lower Upper

58 100

43 337.5 278.2 417.2



#16

Carbon Disulfide

Concen: 152.520 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN055254.D

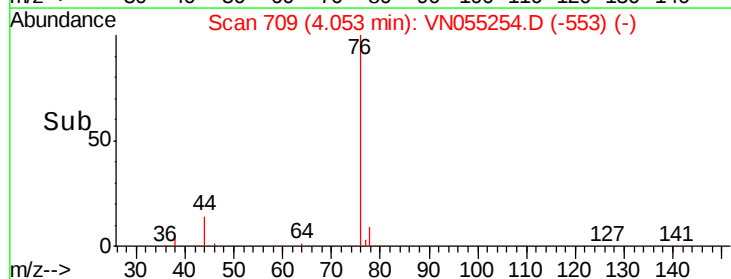
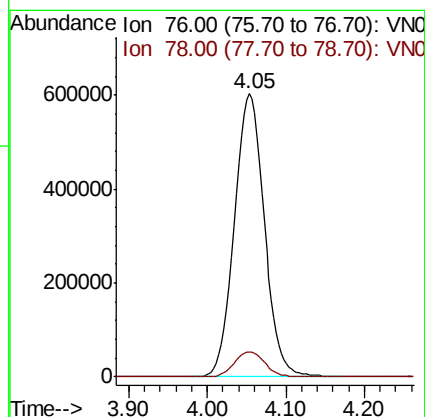
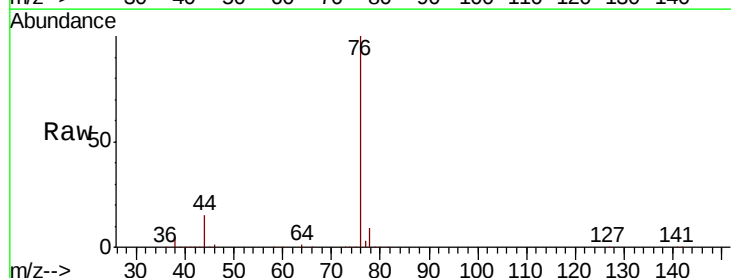
Acq: 25 Apr 2019 19:40

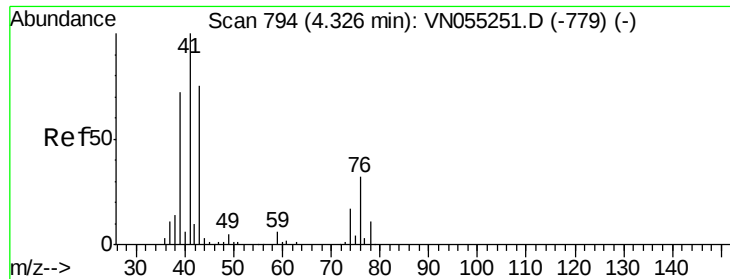
Tgt Ion: 76 Resp: 1603452

Ion Ratio Lower Upper

76 100

78 9.0 6.8 10.2

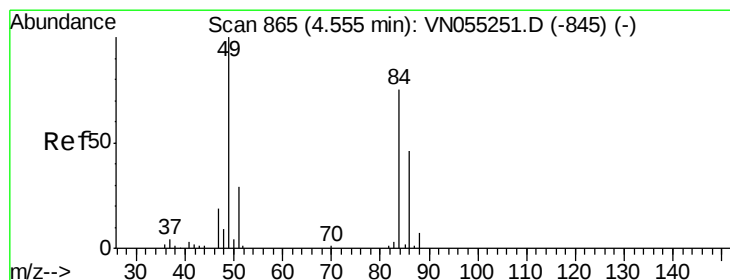
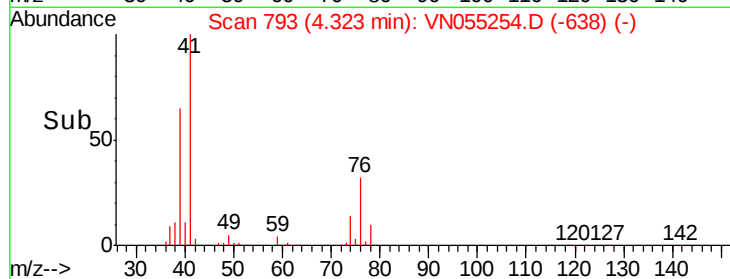
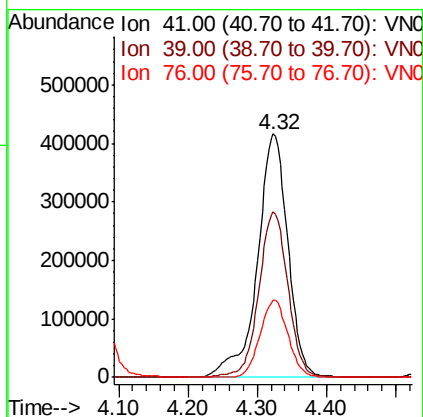
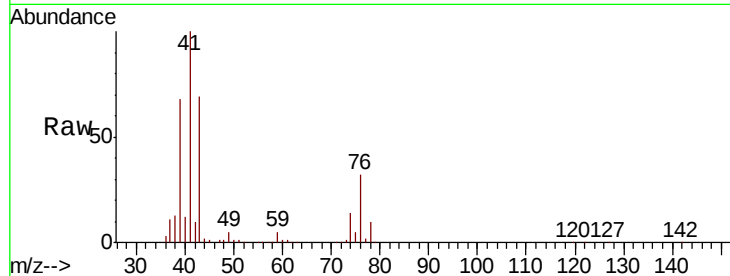




#17
Allvl chloride
Concen: 163.155 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

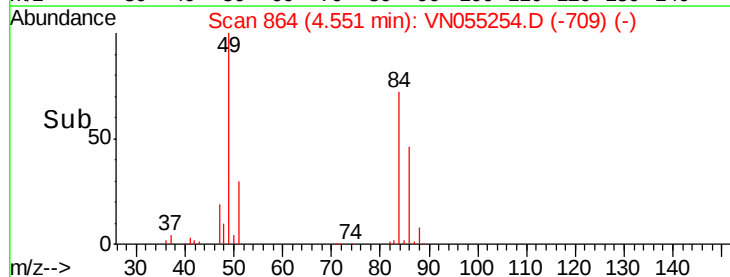
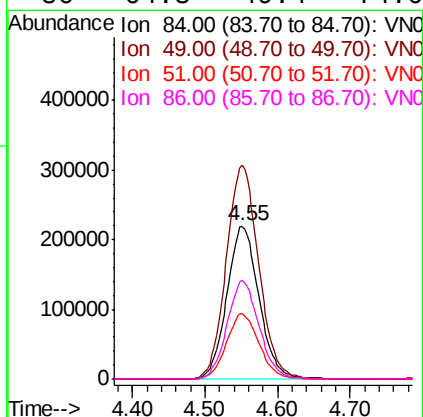
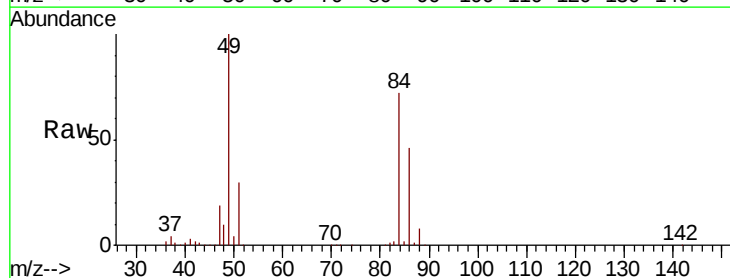
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

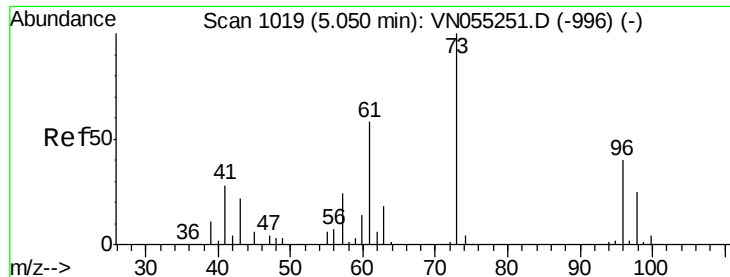
Tot Ion: 41 Resp: 1266900
Ion Ratio Lower Upper
41 100
39 67.7 34.4 103.2
76 31.6 15.3 45.9



#18
Methylene Chloride
Concen: 144.226 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion: 84 Resp: 675467
Ion Ratio Lower Upper
84 100
49 139.6 107.2 160.8
51 42.6 31.4 47.2
86 64.3 49.4 74.0

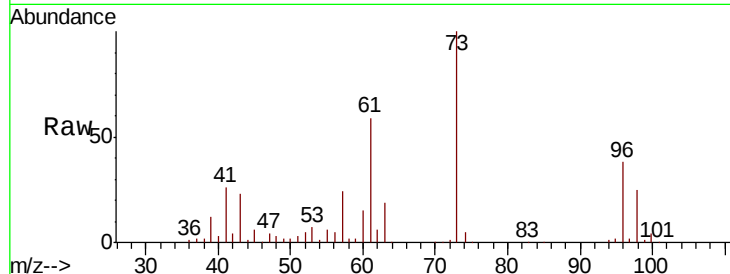




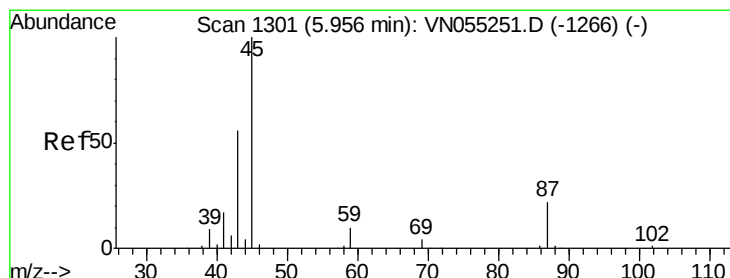
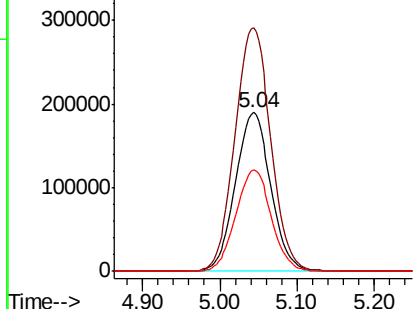
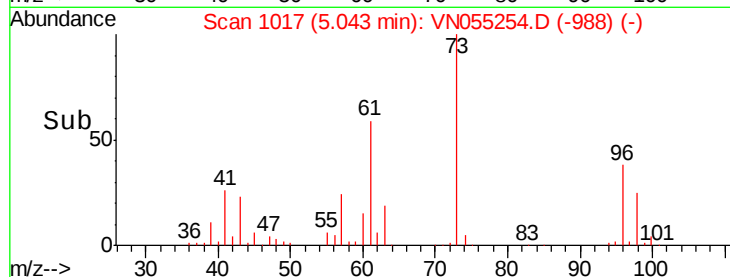
#19
trans-1,2-Dichloroethene
Concen: 146.734 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 602551
Ion Ratio Lower Upper
96 100
61 153.2 116.3 174.5
98 64.2 49.4 74.2

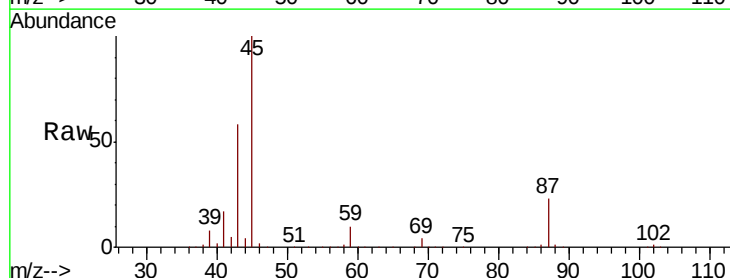


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

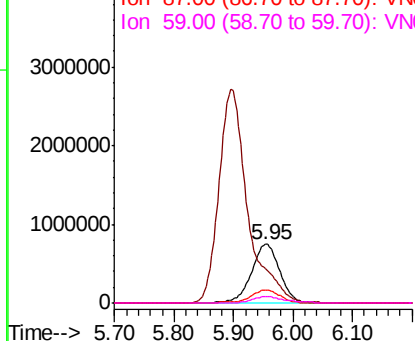
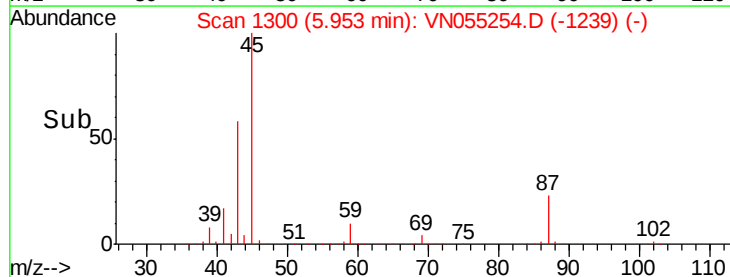


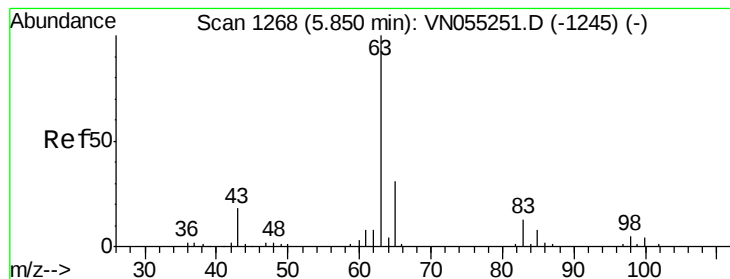
#20
Diisopropyl ether
Concen: 156.608 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion: 45 Resp: 2506167
Ion Ratio Lower Upper
45 100
43 57.8 46.1 69.1
87 22.5 18.3 27.5
59 10.4 8.0 12.0



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





#21

1,1-Dichloroethane

Concen: 151.317 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

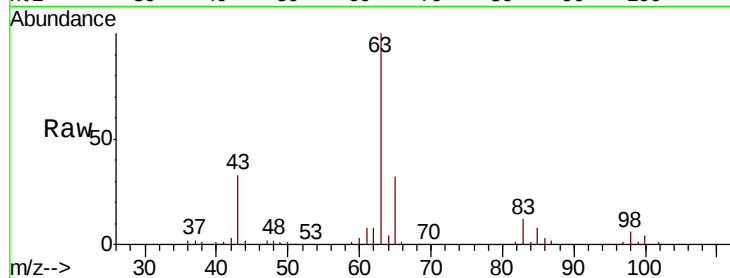
Tot Ion: 63 Resp: 1279381

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

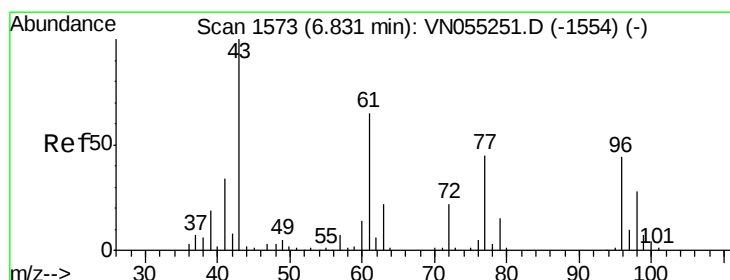
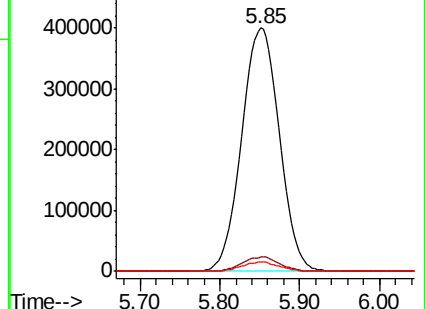
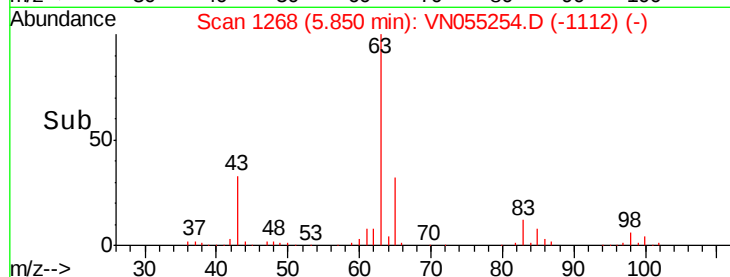
100 3.7 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN055254.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN055254.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN055254.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 148.773 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

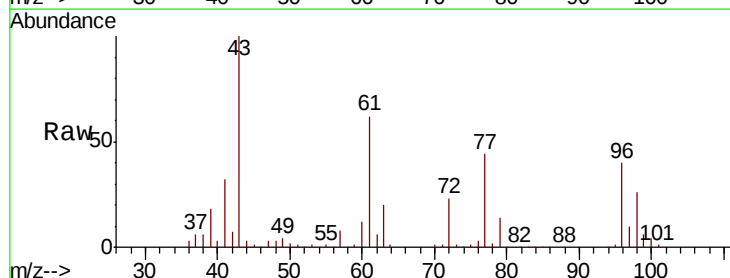
Tgt Ion: 96 Resp: 706334

Ion Ratio Lower Upper

96 100

61 158.5 129.1 193.7

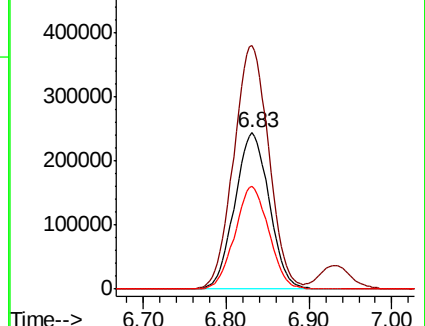
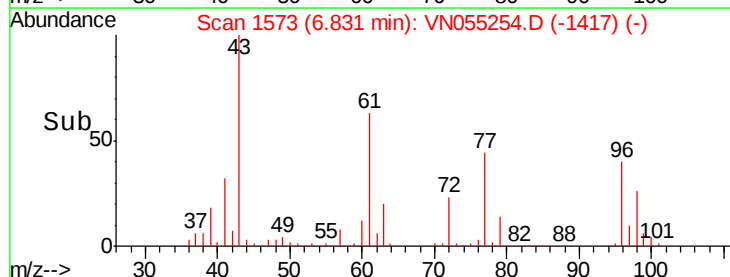
98 64.7 53.2 79.8

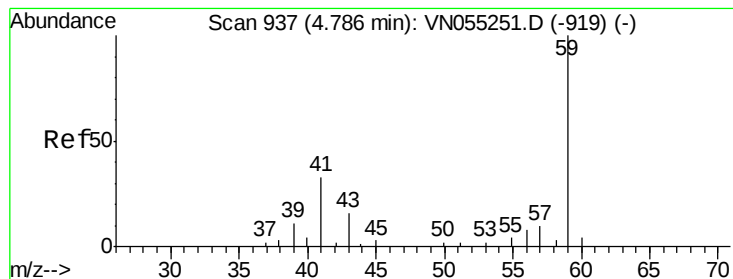


Abundance Ion 96.00 (95.70 to 96.70): VN055254.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN055254.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN055254.D (-1417) (-)



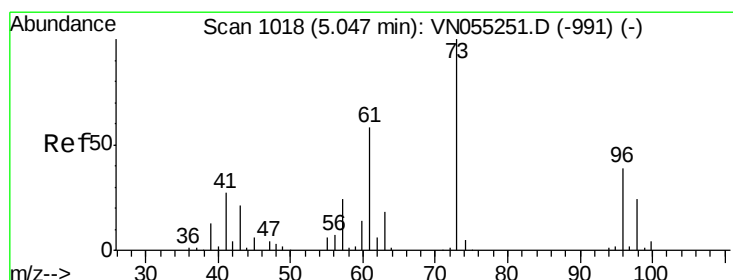
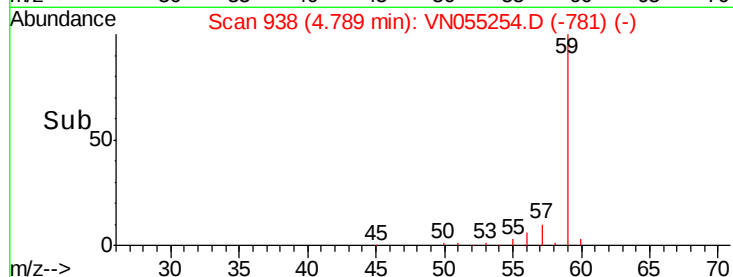
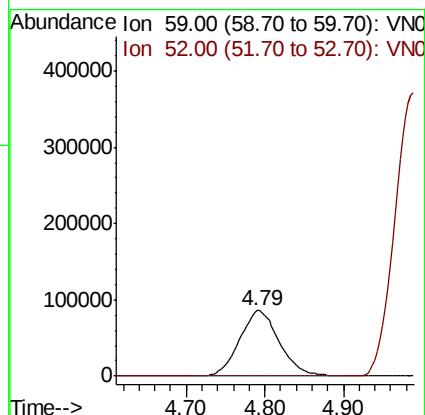
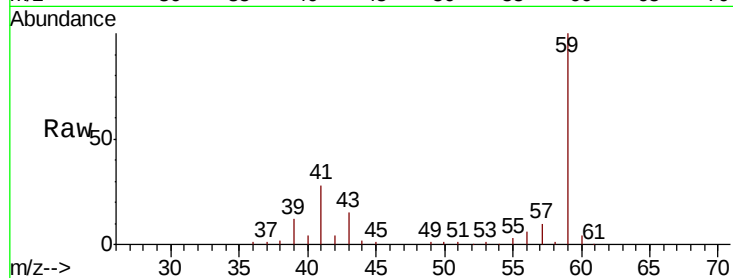


#23

tert-Butyl Alcohol
 Concen: 1082.617 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

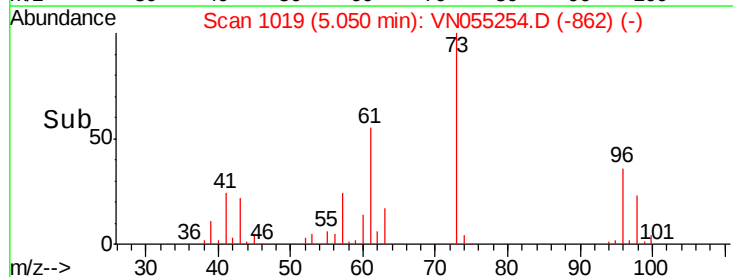
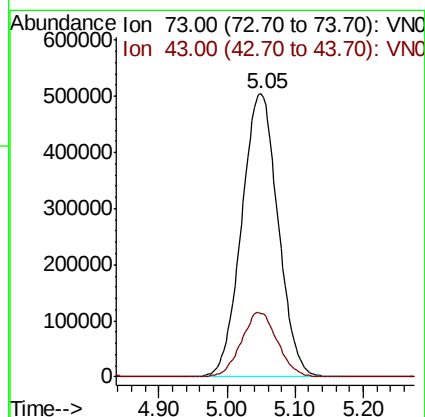
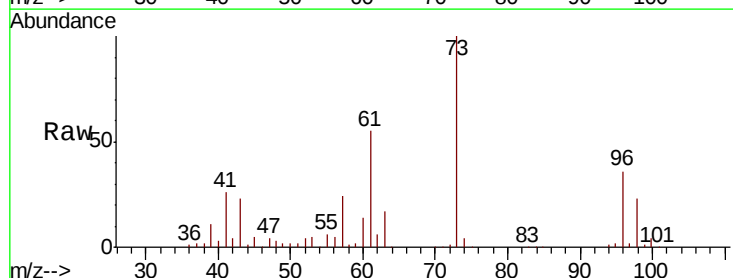
Tot Ion: 59 Resp: 304918
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

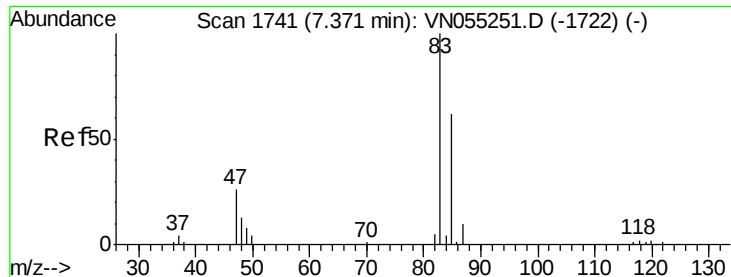


#24

Methyl tert-Butyl Ether
 Concen: 171.038 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion: 73 Resp: 1871978
 Ion Ratio Lower Upper
 73 100
 43 22.4 17.9 26.9





#25

Chloroform

Concen: 150.563 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

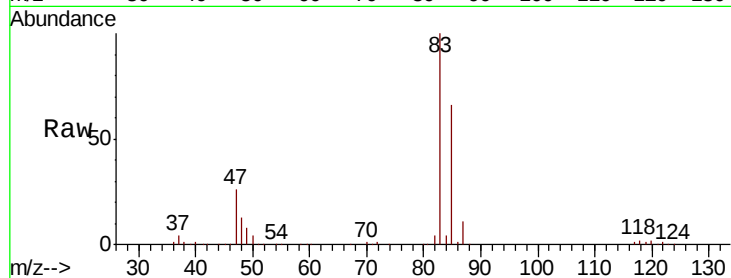
VSTDIC150

Tot Ion: 83 Resp: 1213363

Ion Ratio Lower Upper

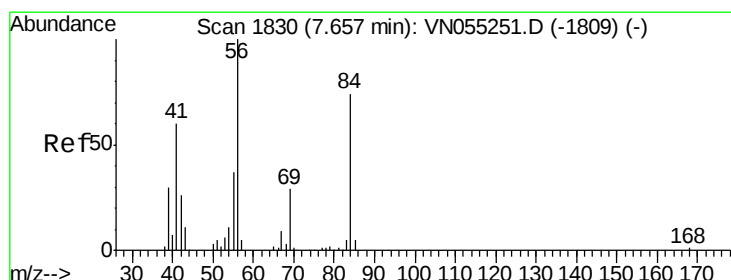
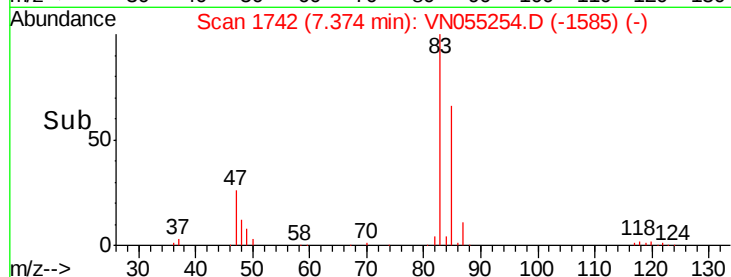
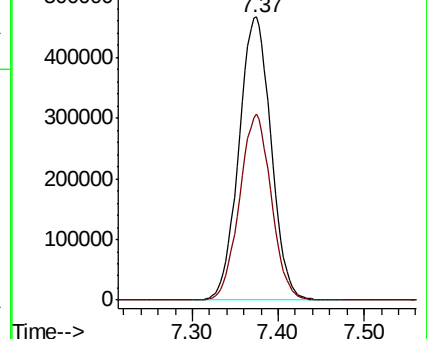
83 100

85 65.5 49.7 74.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 147.950 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

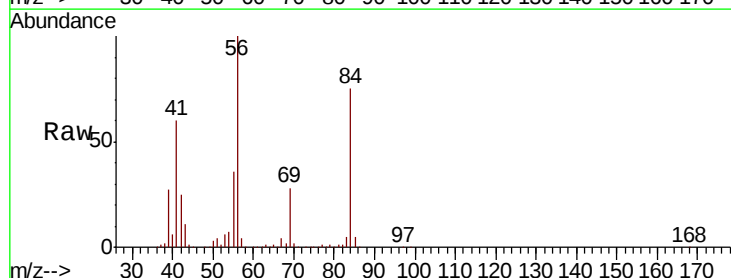
Tgt Ion: 56 Resp: 1139240

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

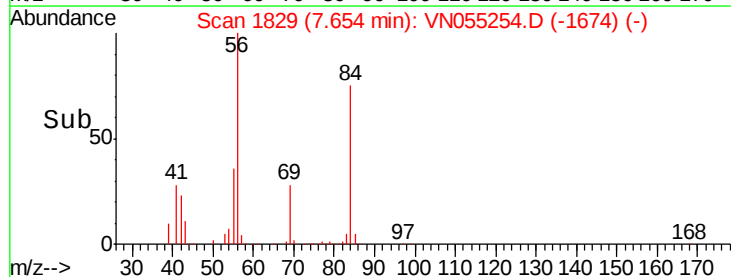
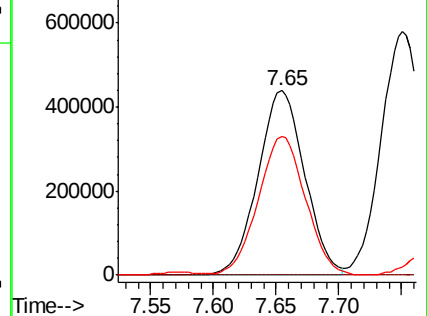
84 75.5 63.5 95.3

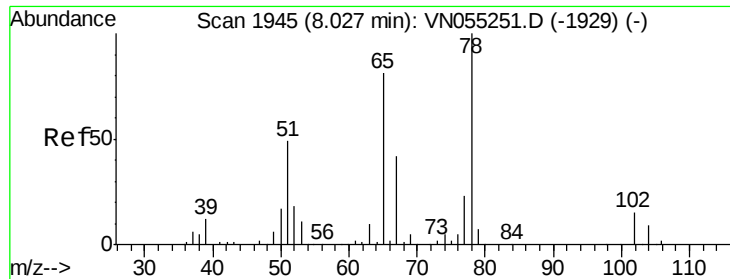


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

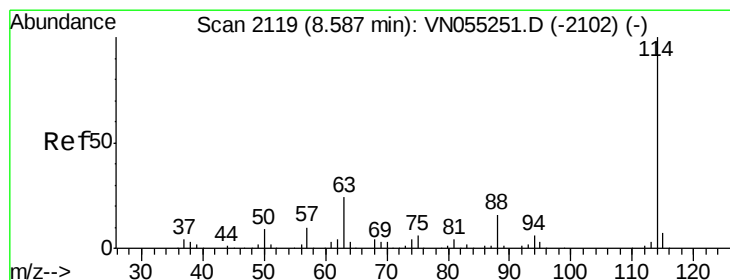
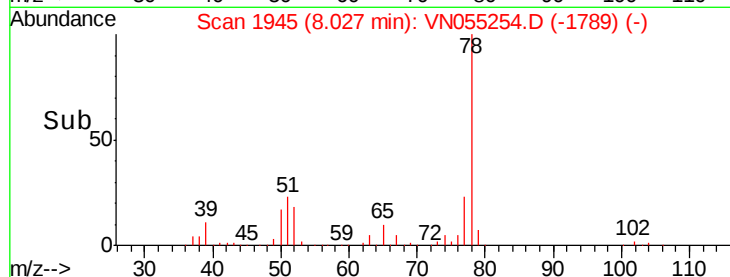
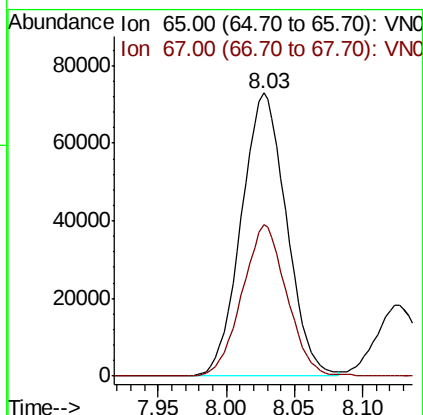
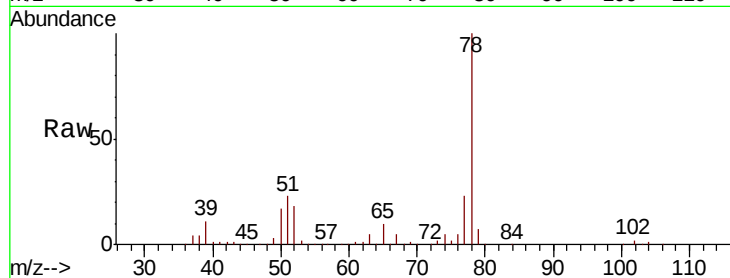




#27
 1,2-Dichloroethane-d4
 Concen: 147.950 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

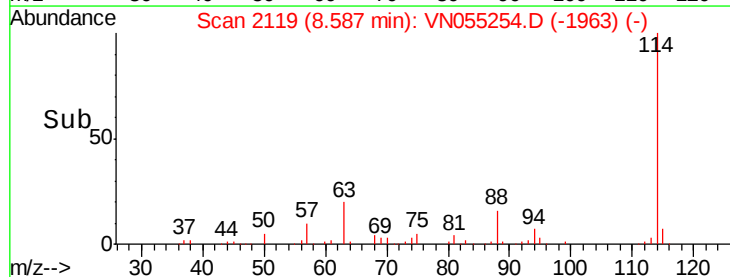
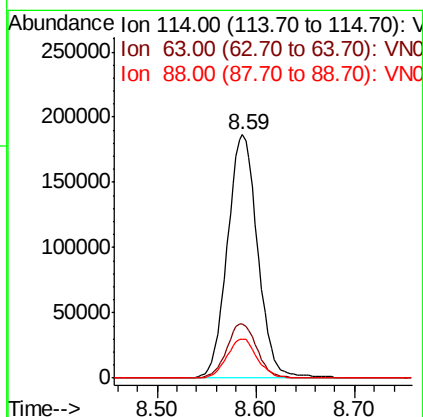
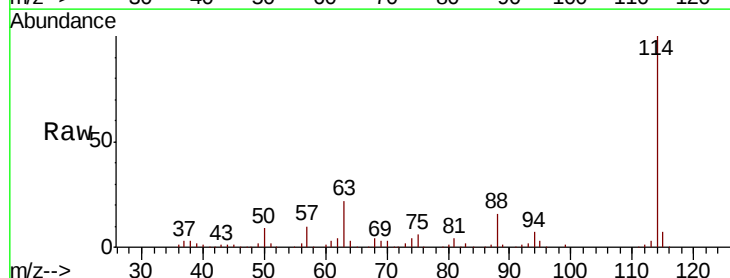
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

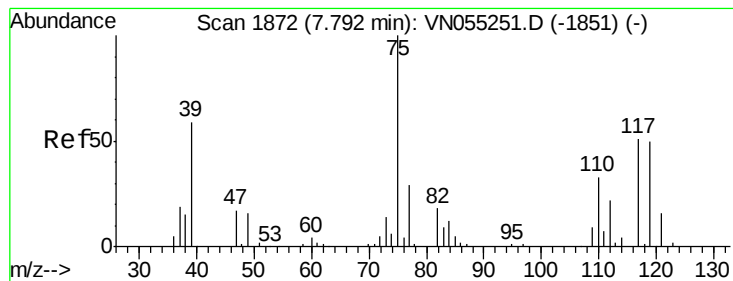
Tot Ion: 65 Resp: 167646
 Ion Ratio Lower Upper
 65 100
 67 52.8 41.9 62.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion: 114 Resp: 400939
 Ion Ratio Lower Upper
 114 100
 63 22.2 18.2 27.2
 88 15.9 12.6 18.8





#29

1,1-Dichloropropene

Concen: 146.947 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

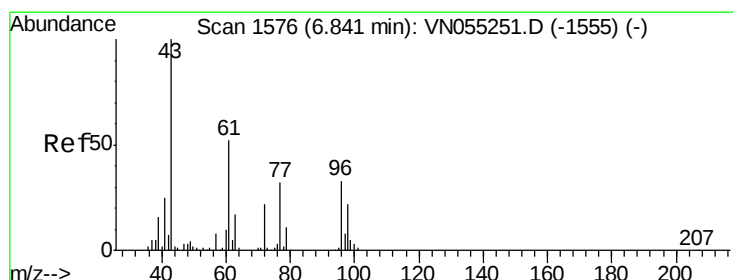
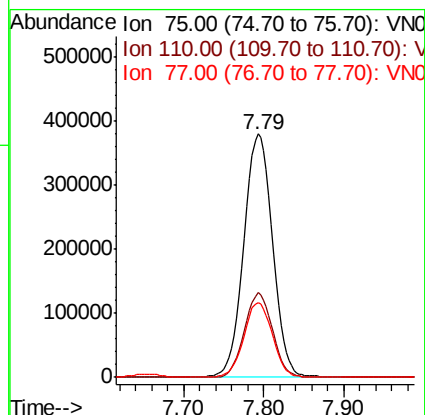
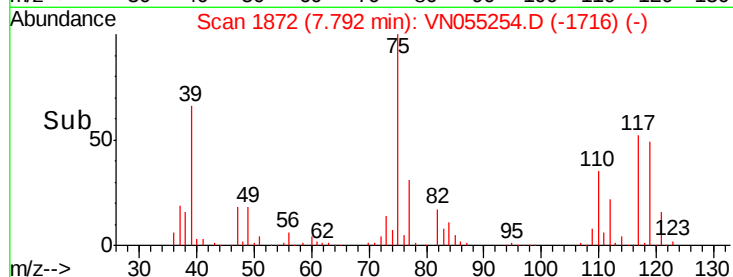
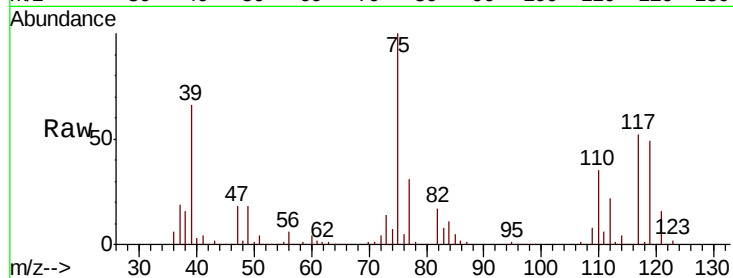
Tot Ion: 75 Resp: 924943

Ion Ratio Lower Upper

75 100

110 33.8 0.0 68.6

77 30.3 0.0 61.6



#30

2-Butanone

Concen: 840.756 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

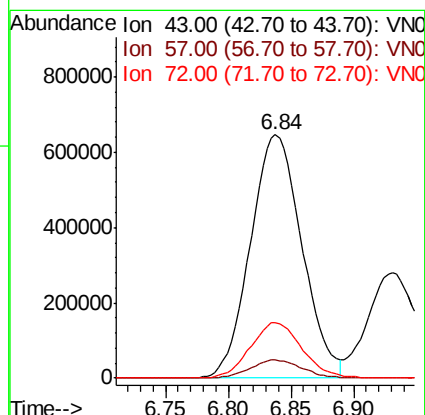
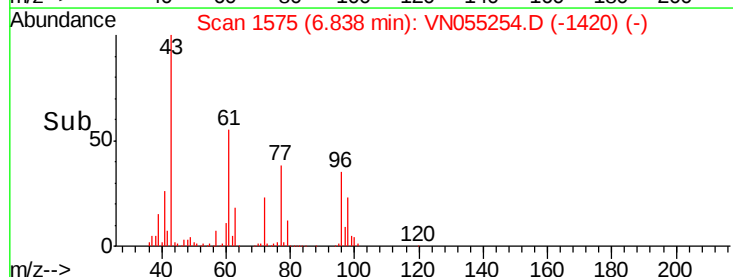
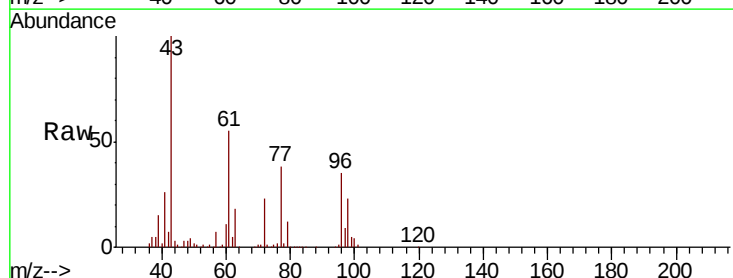
Tgt Ion: 43 Resp: 1842580

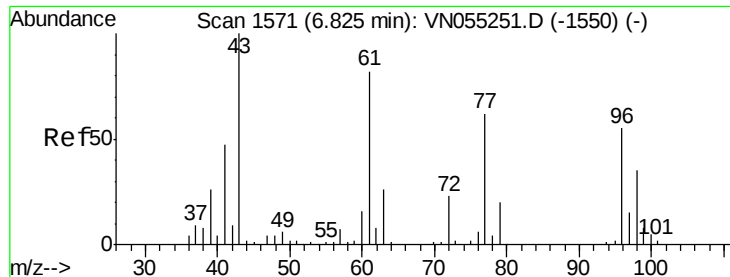
Ion Ratio Lower Upper

43 100

57 7.5 6.0 9.0

72 22.9 17.9 26.9





#31

2,2-Dichloropropane

Concen: 148.662 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

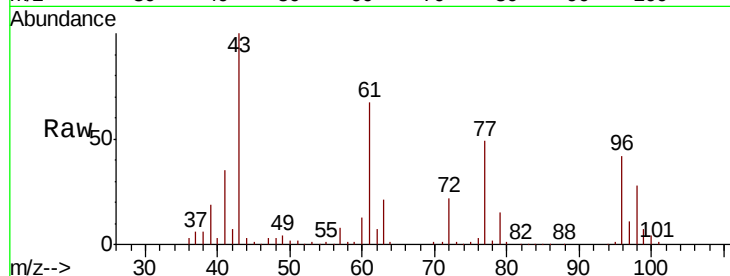
VSTDIC150

Tot Ion: 77 Resp: 872135

Ion Ratio Lower Upper

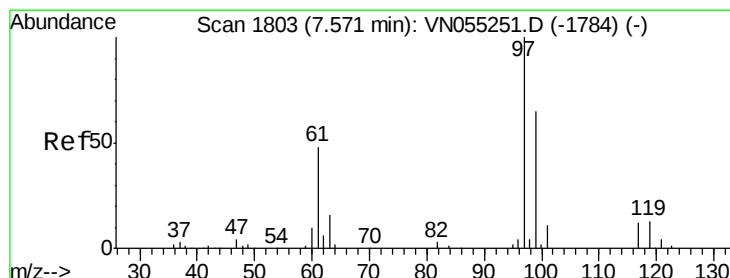
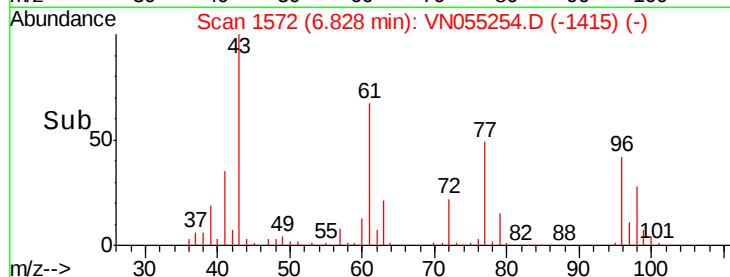
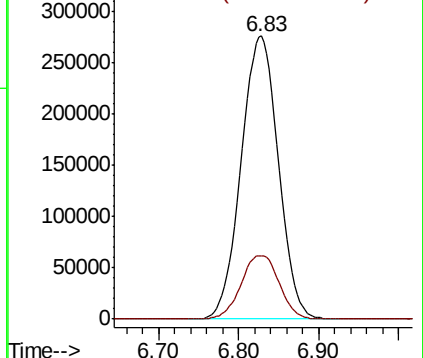
77 100

97 23.1 18.6 28.0



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 151.131 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

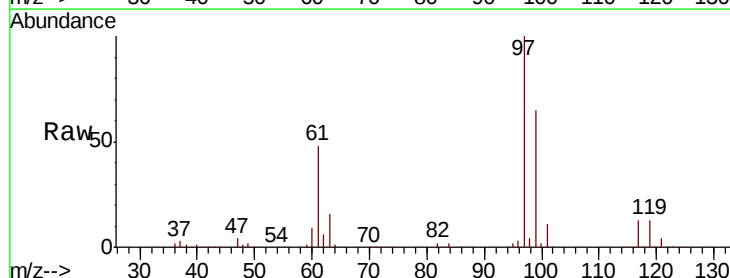
Tgt Ion: 97 Resp: 1020606

Ion Ratio Lower Upper

97 100

99 64.5 51.2 76.8

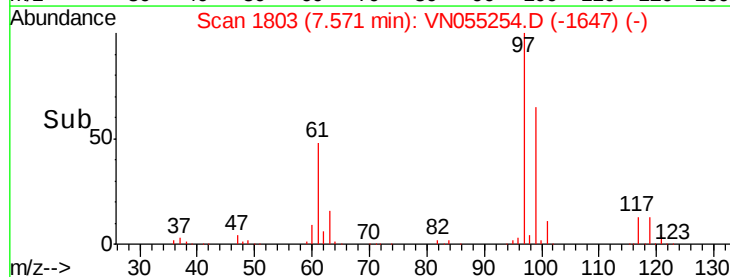
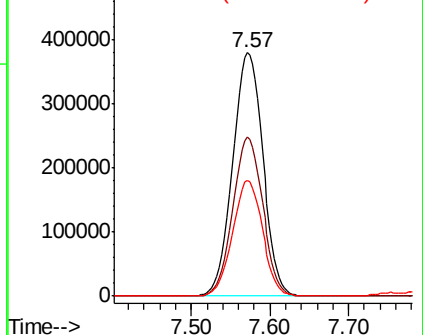
61 47.0 38.3 57.5

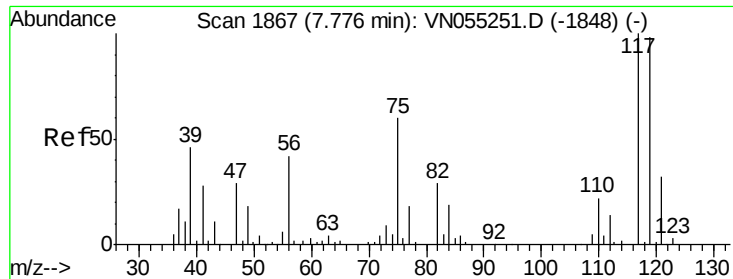


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 149.755 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

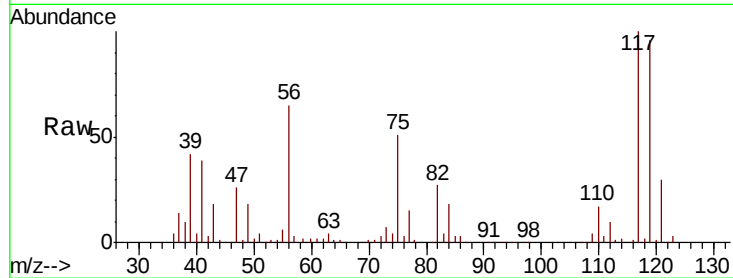
Tot Ion:117 Resp: 866764

Ion Ratio Lower Upper

117 100

119 95.9 78.7 118.1

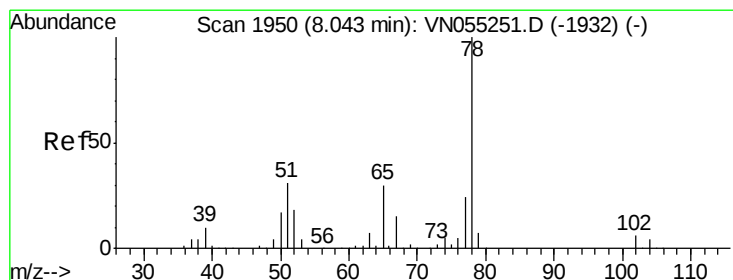
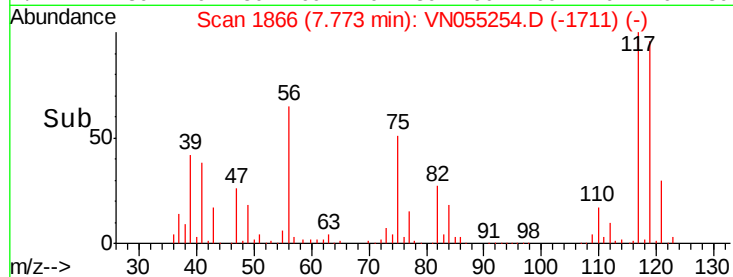
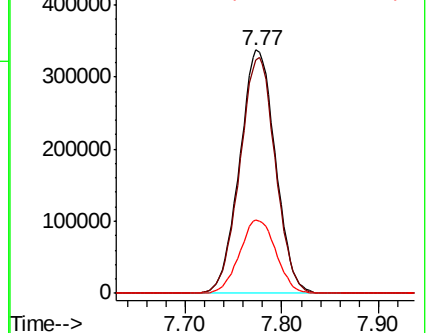
121 30.0 25.8 38.6



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: 145.681 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

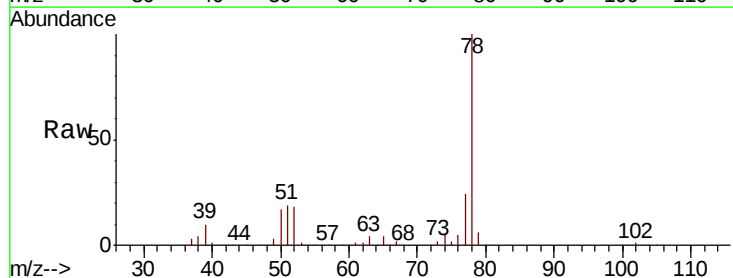
Tgt Ion: 78 Resp: 2732276

Ion Ratio Lower Upper

78 100

77 23.8 19.1 28.7

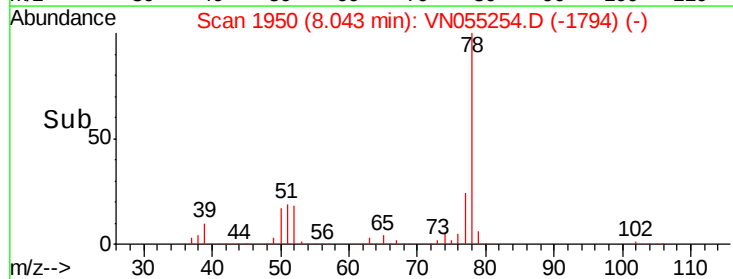
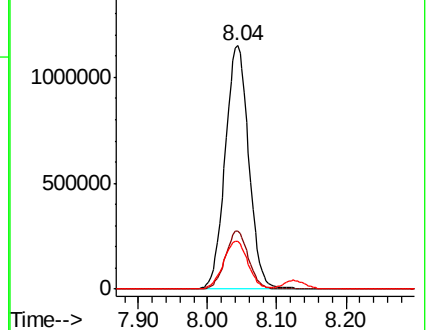
51 19.4 24.5 36.7#

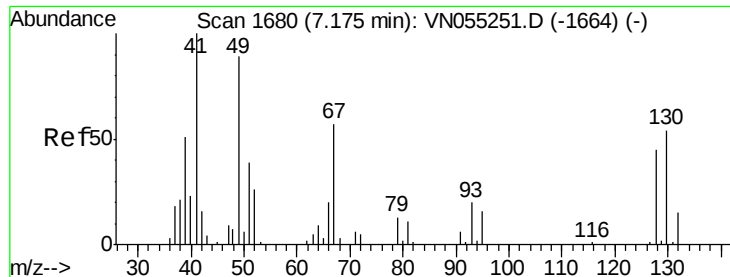


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

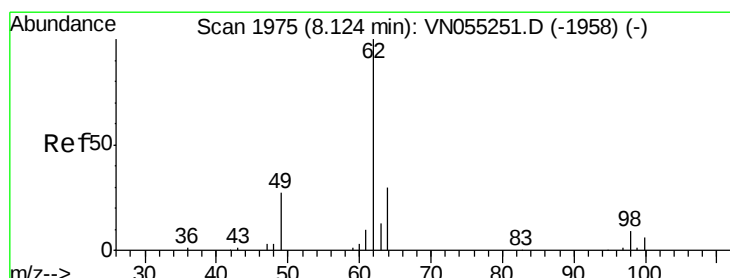
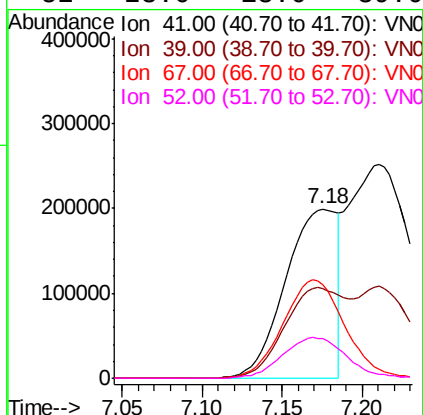
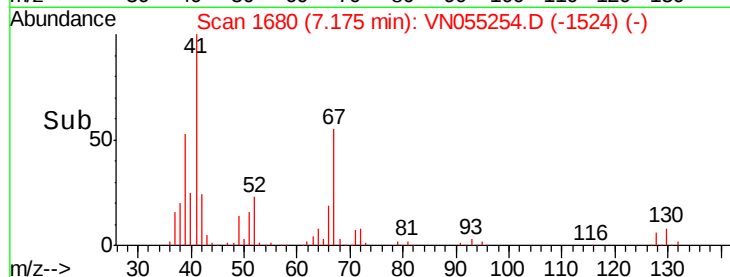
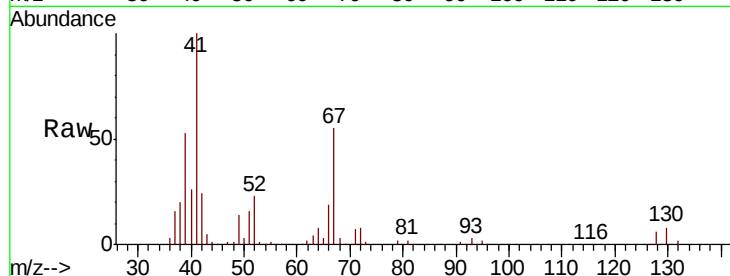




#35
Methacrylonitrile
Concen: 170.642 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

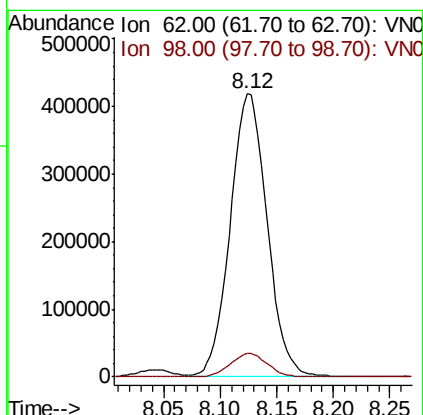
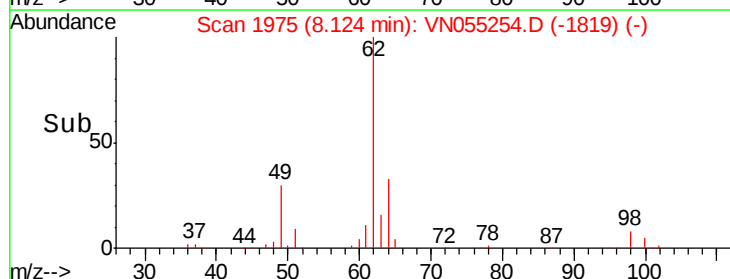
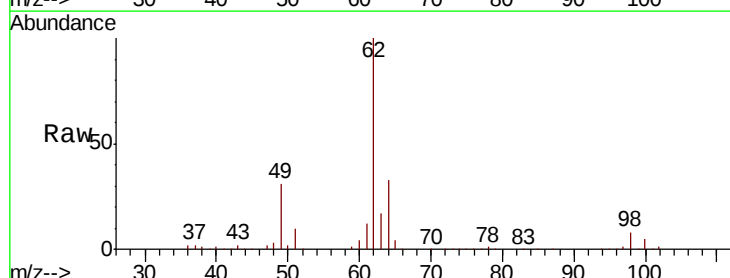
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

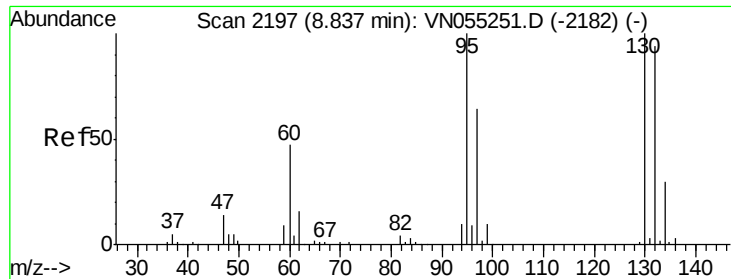
Tot Ion: 41 Resp: 450570
Ion Ratio Lower Upper
41 100
39 52.7 25.3 75.8
67 55.4 28.7 86.1
52 23.0 13.0 39.0



#36
1,2-Dichloroethane
Concen: 146.321 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion: 62 Resp: 946733
Ion Ratio Lower Upper
62 100
98 8.4 6.8 10.2

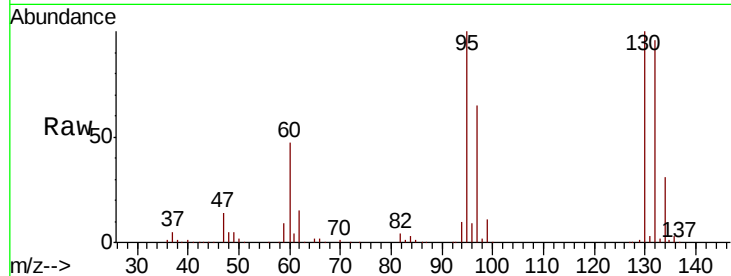




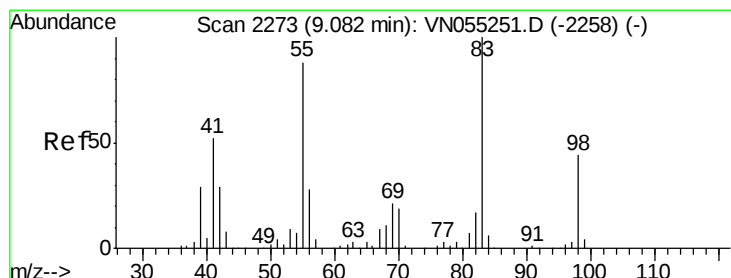
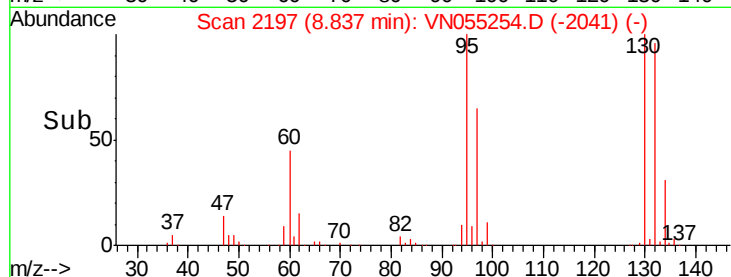
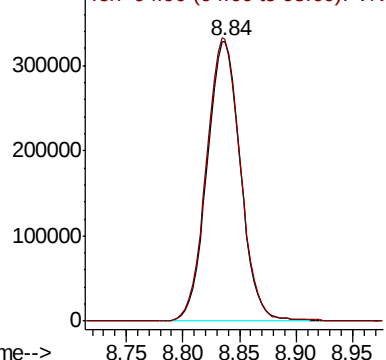
#37
 Trichloroethene
 Concen: 142.384 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 676686
 Ion Ratio Lower Upper
 130 100
 95 100.5 79.9 119.9

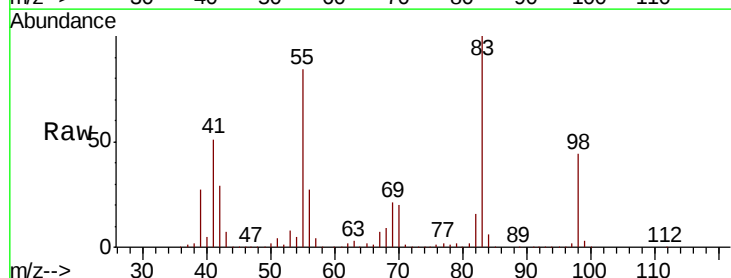


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

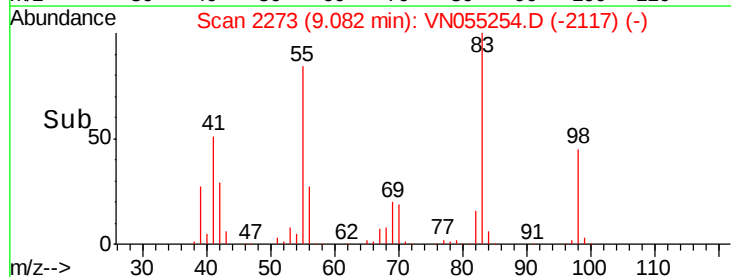
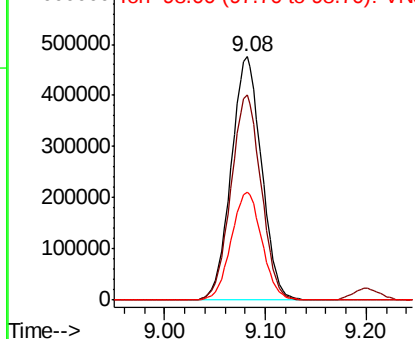


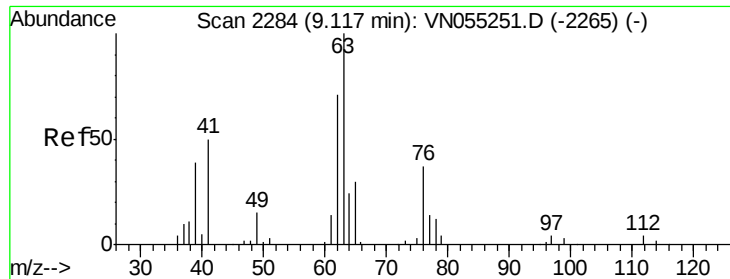
#38
 Methylcyclohexane
 Concen: 138.673 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion: 83 Resp: 993913
 Ion Ratio Lower Upper
 83 100
 55 83.8 43.8 131.4
 98 44.9 22.4 67.2



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO

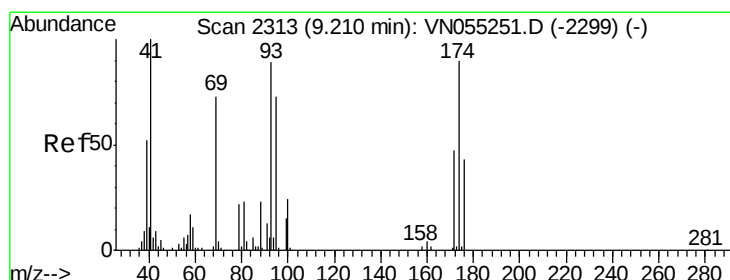
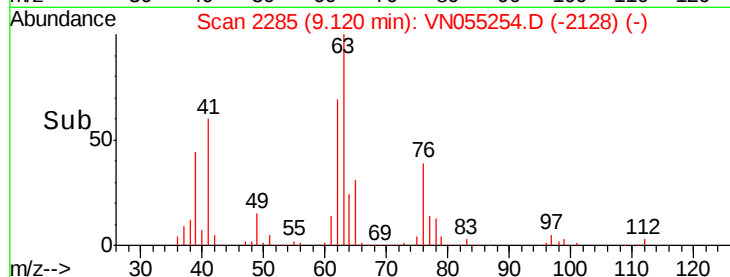
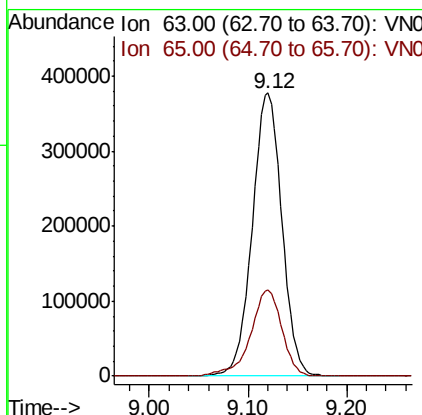
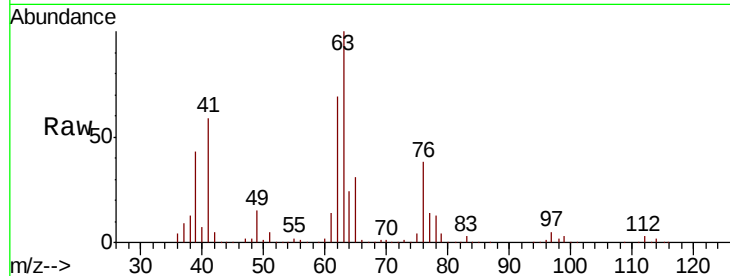




#39
 1,2-Dichloropropane
 Concen: 148.965 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

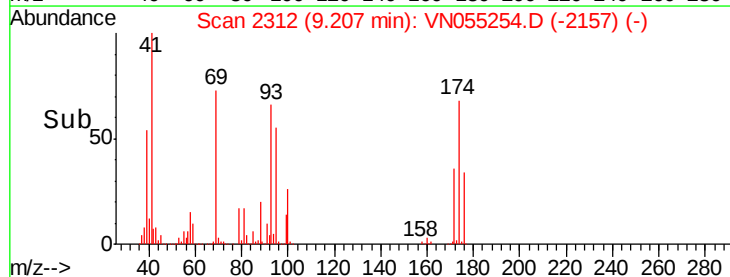
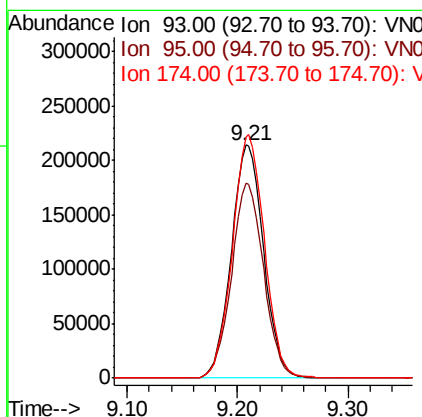
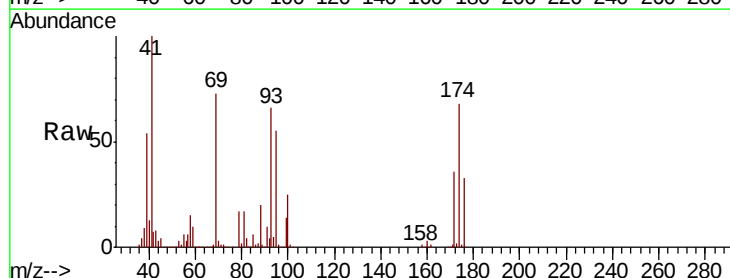
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

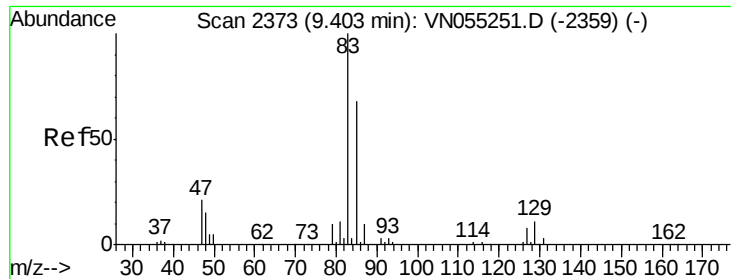
Tot Ion: 63 Resp: 779458
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 36.8



#40
 Dibromomethane
 Concen: 145.868 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion: 93 Resp: 433854
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 164.8
 174 103.6 0.0 203.4





#41

Bromodichloromethane

Concen: 153.125 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

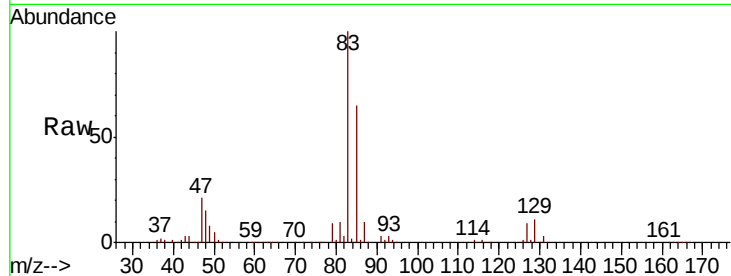
Tot Ion: 83 Resp: 933999

Ion Ratio Lower Upper

83 100

85 64.5 54.5 81.7

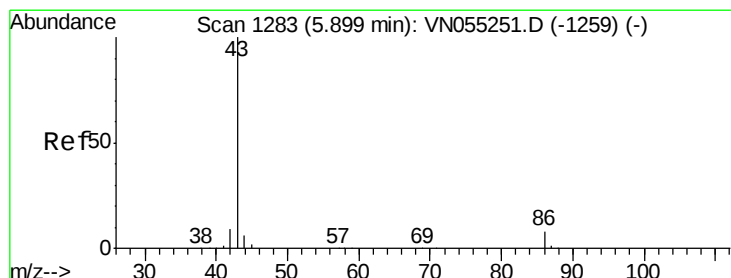
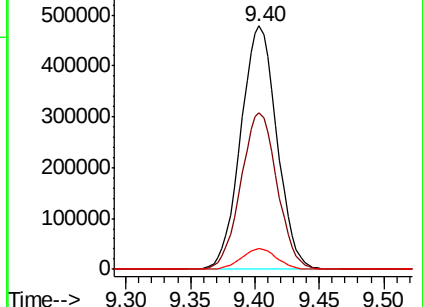
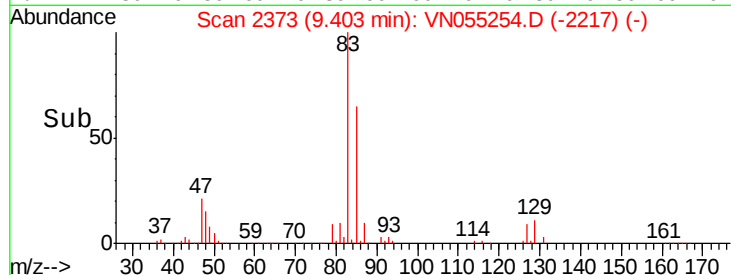
127 8.6 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VN055254.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN055254.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN055254.D (-2217) (-)



#42

Vinyl Acetate

Concen: 833.774 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055254.D

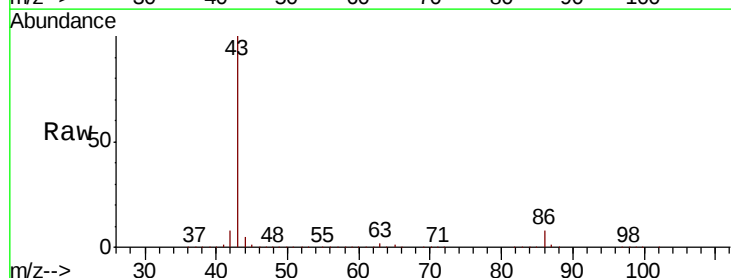
Acq: 25 Apr 2019 19:40

Tgt Ion: 43 Resp: 9154845

Ion Ratio Lower Upper

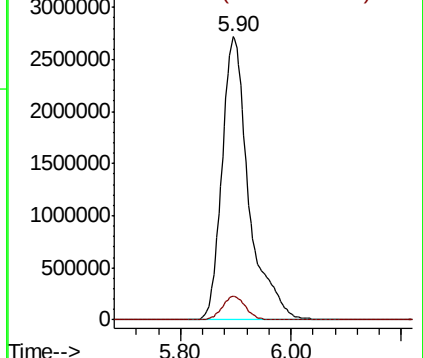
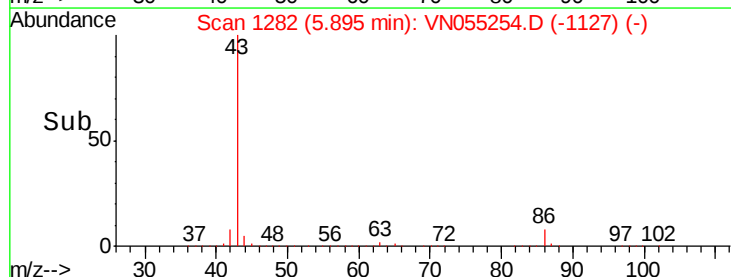
43 100

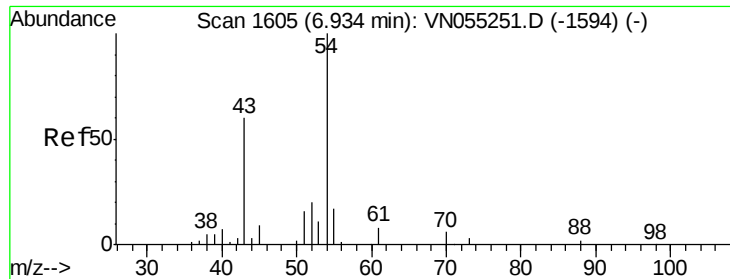
86 7.3 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN055254.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN055254.D (-1127) (-)

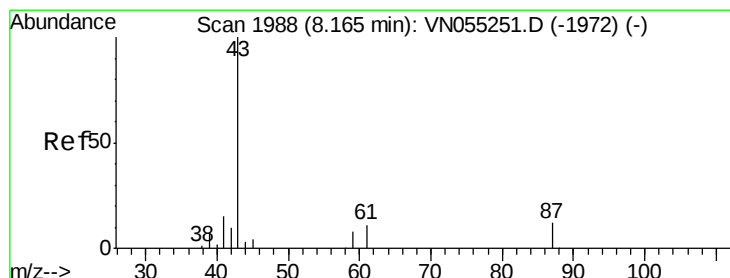
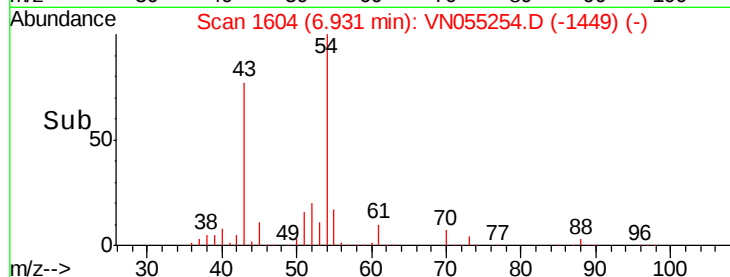
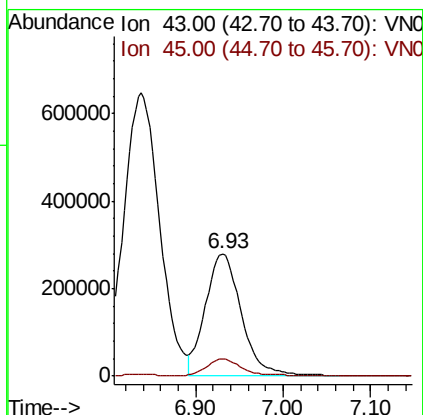
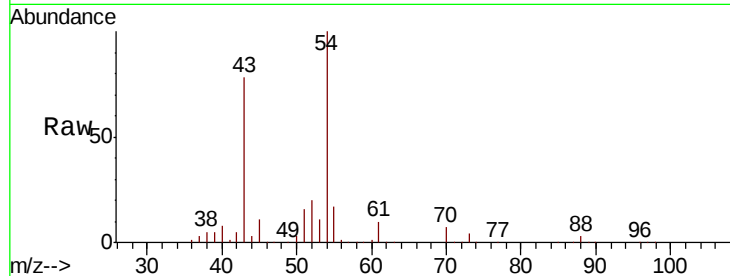




#43
Ethyl Acetate
Concen: 172.307 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

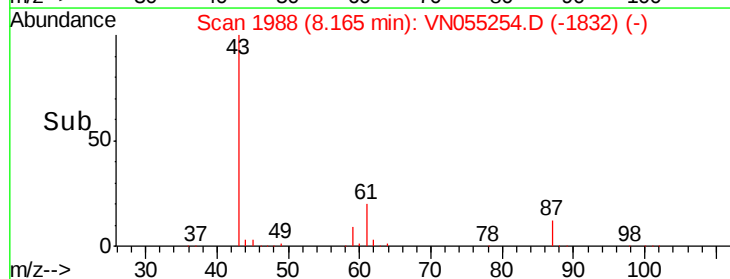
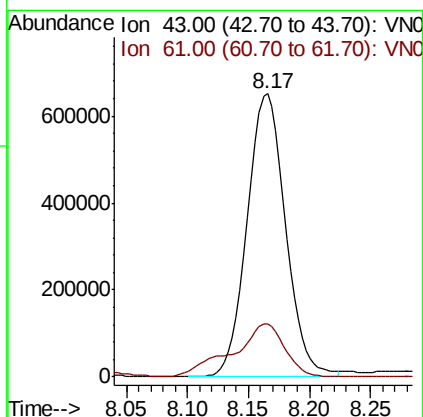
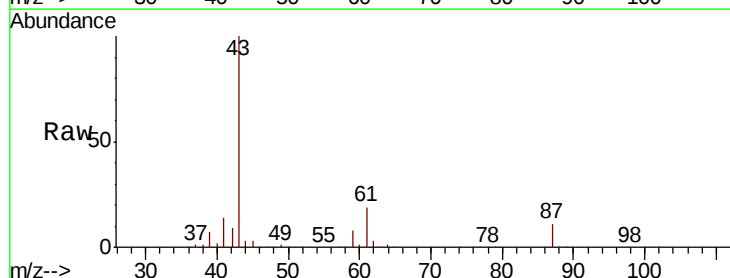
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

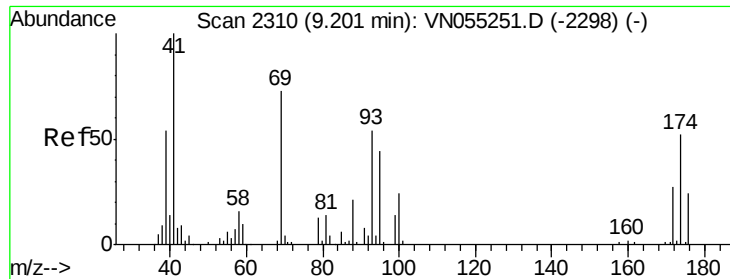
Tot Ion: 43 Resp: 790490
Ion Ratio Lower Upper
43 100
45 12.8 9.6 14.4



#44
Isopropyl Acetate
Concen: 179.511 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion: 43 Resp: 1416316
Ion Ratio Lower Upper
43 100
61 25.4 12.6 18.8#





#45

1,4-Dioxane

Concen: 3485.456 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

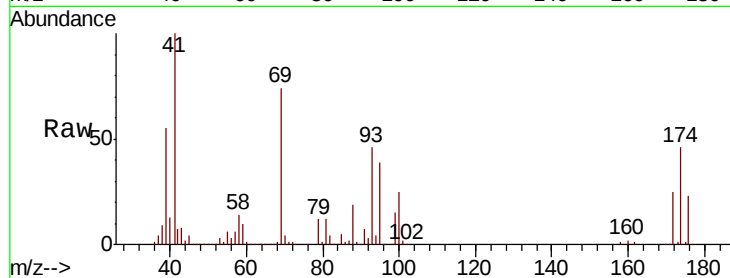
Tot Ion: 88 Resp: 148591

Ion Ratio Lower Upper

88 100

43 40.7 29.4 44.0

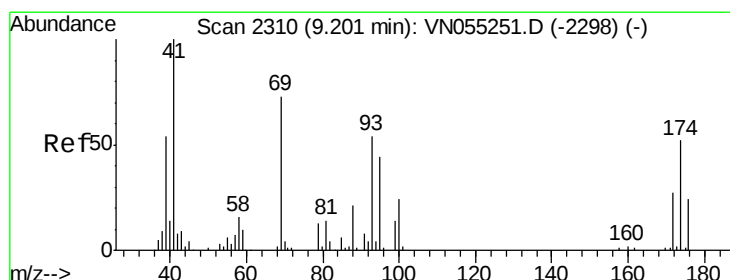
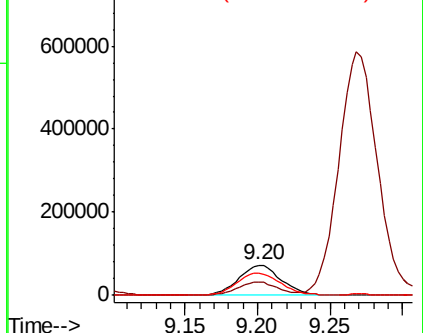
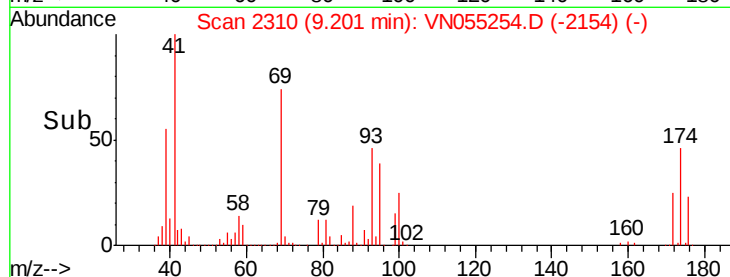
58 76.8 62.4 93.6



Abundance Ion 88.00 (87.70 to 88.70): VN055254.D (-2154) (-)

Ion 43.00 (42.70 to 43.70): VN055254.D (-2154) (-)

Ion 58.00 (57.70 to 58.70): VN055254.D (-2154) (-)



#46

Methyl methacrylate

Concen: 179.813 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

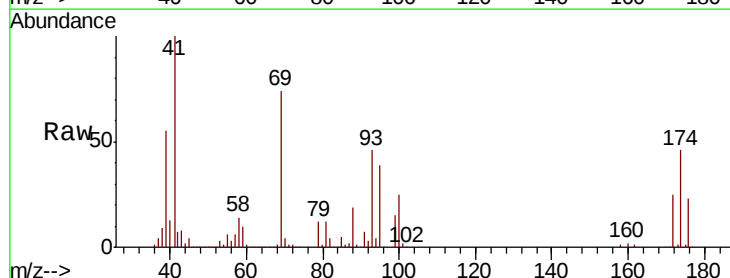
Tgt Ion: 41 Resp: 716758

Ion Ratio Lower Upper

41 100

69 74.5 36.4 109.3

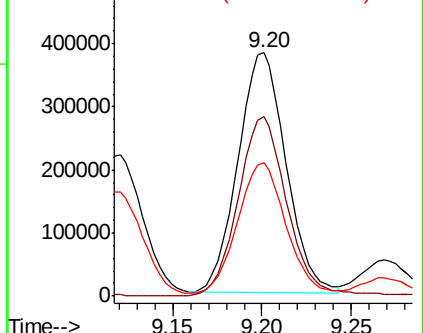
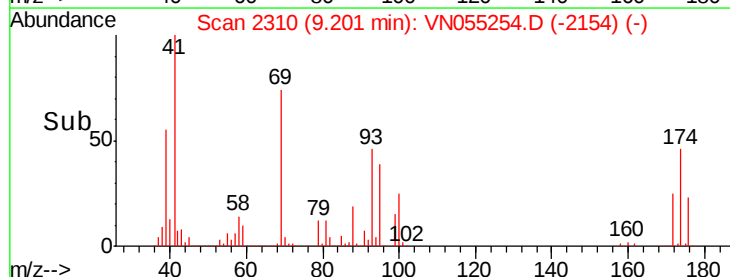
39 54.6 26.9 80.7

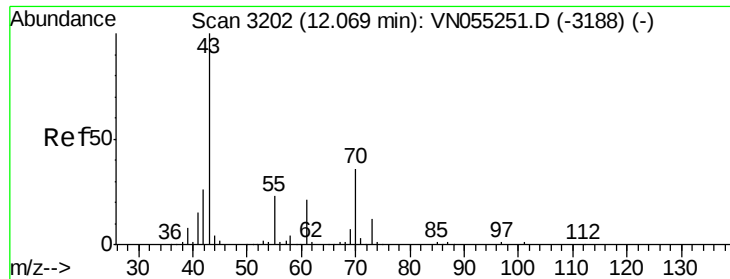


Abundance Ion 41.00 (40.70 to 41.70): VN055254.D (-2154) (-)

Ion 69.00 (68.70 to 69.70): VN055254.D (-2154) (-)

Ion 39.00 (38.70 to 39.70): VN055254.D (-2154) (-)





#47

n-amyl Acetate

Concen: 203.642 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

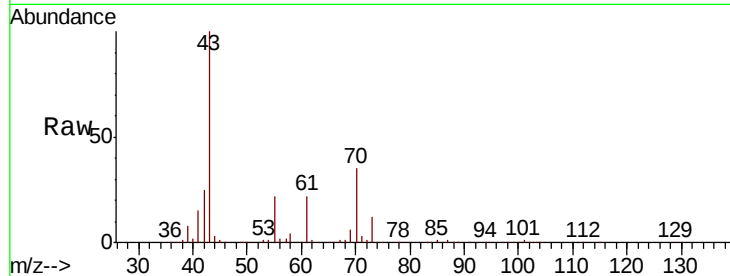
VSTDIC150

Tot Ion: 43 Resp: 1151577

Ion Ratio Lower Upper

43 100

55 22.1 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

800000

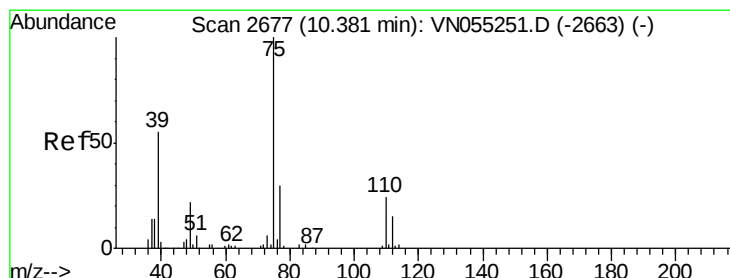
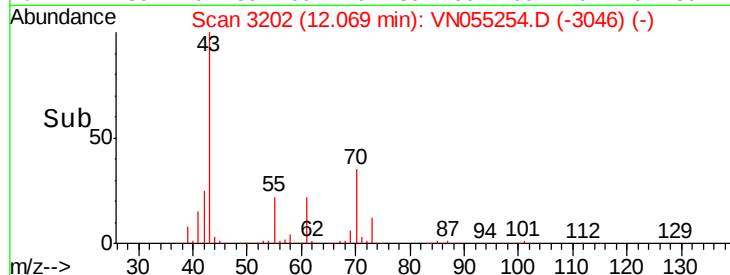
600000

400000

200000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 175.863 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055254.D

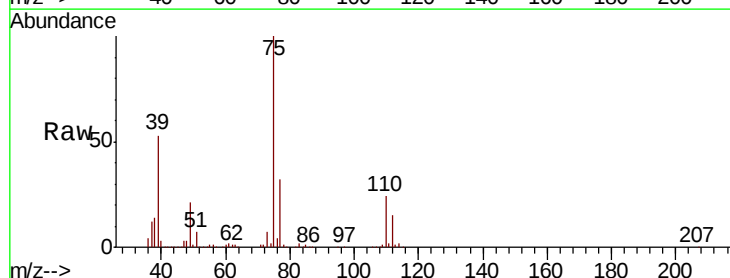
Acq: 25 Apr 2019 19:40

Tgt Ion: 75 Resp: 1008259

Ion Ratio Lower Upper

75 100

77 31.6 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

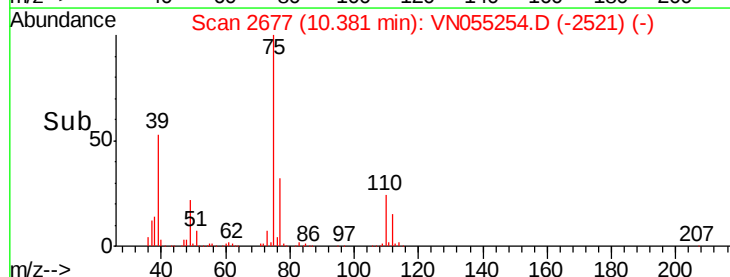
600000

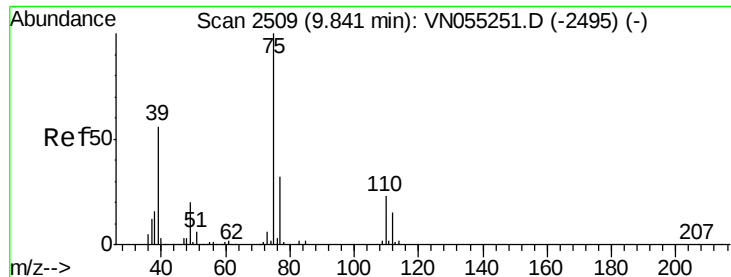
400000

200000

0

Time-->



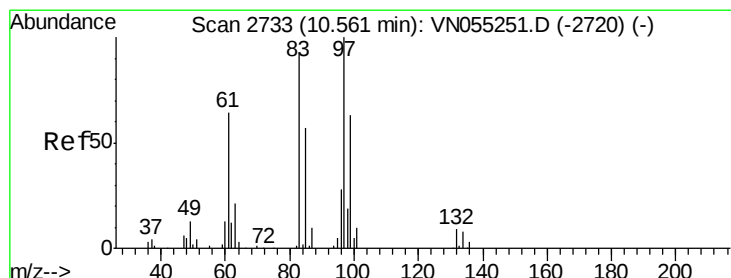
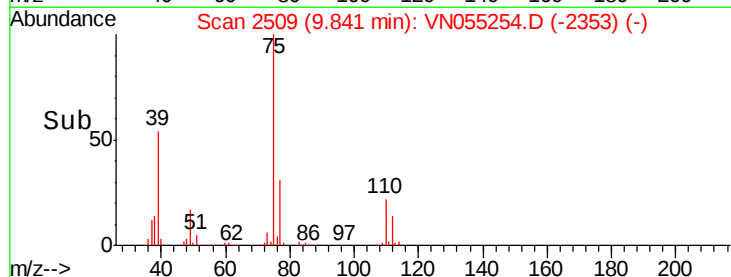
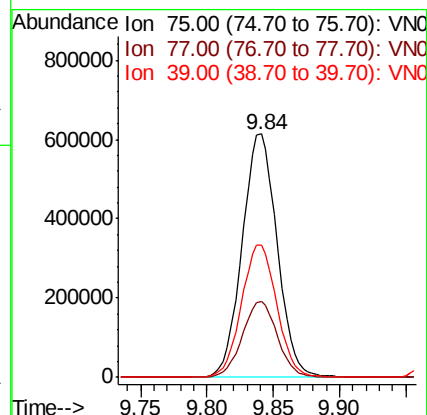
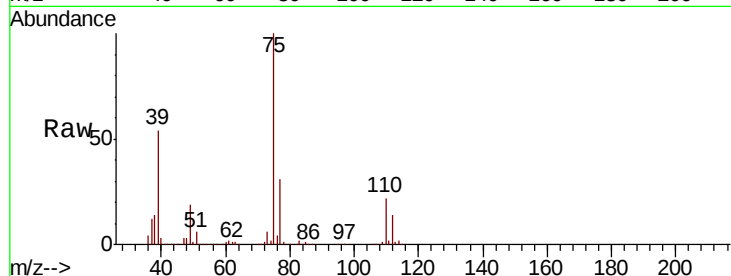


#49

cis-1,3-Dichloropropene
Concen: 162.258 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

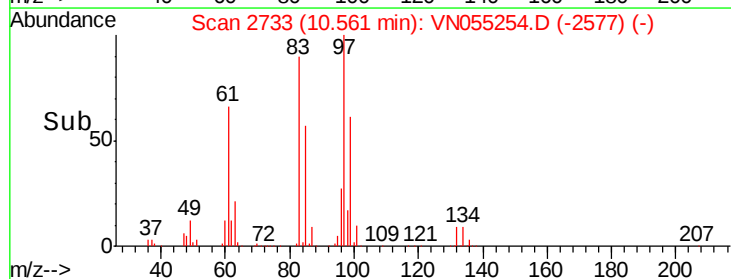
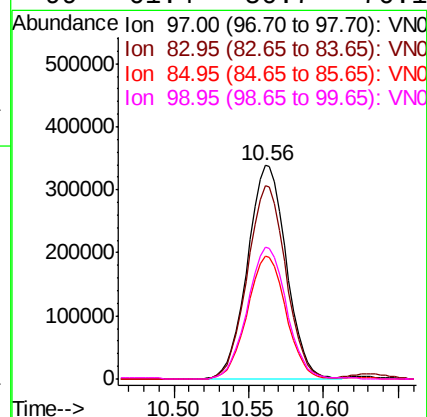
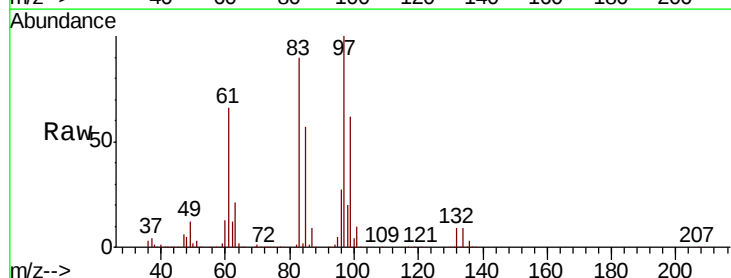
Tot Ion: 75 Resp: 1127622
Ion Ratio Lower Upper
75 100
77 31.1 25.9 38.9
39 54.3 45.0 67.6

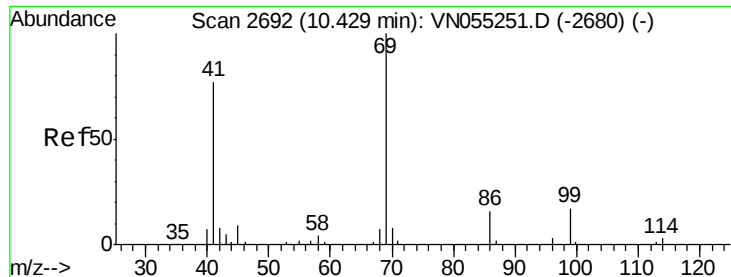


#50

1,1,2-Trichloroethane
Concen: 150.960 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion: 97 Resp: 611453
Ion Ratio Lower Upper
97 100
83 90.3 74.6 111.8
85 57.4 45.4 68.2
99 61.4 50.7 76.1





#51

Ethyl methacrylate

Concen: 180.984 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

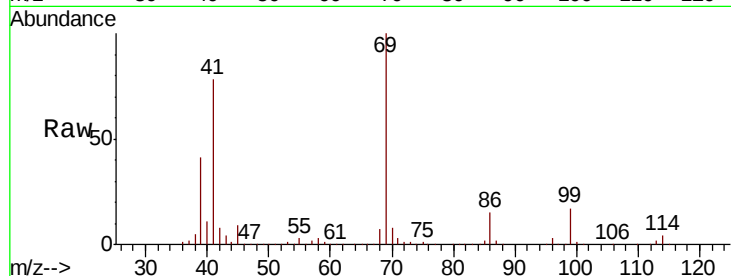
Tot Ion: 69 Resp: 898407

Ion Ratio Lower Upper

69 100

41 77.9 38.7 116.1

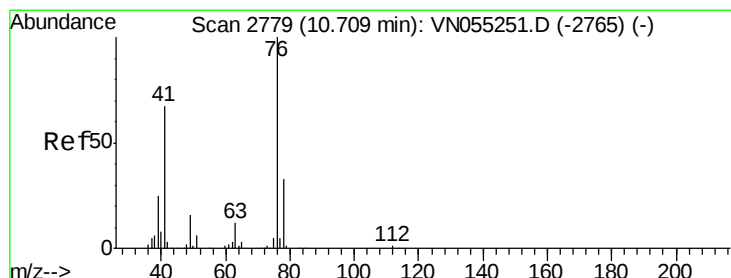
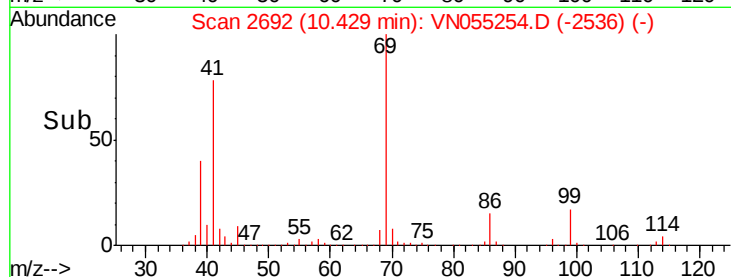
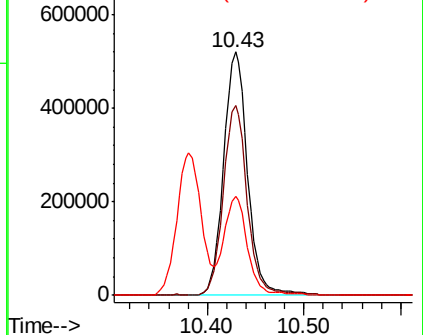
39 40.3 19.9 59.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 154.802 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055254.D

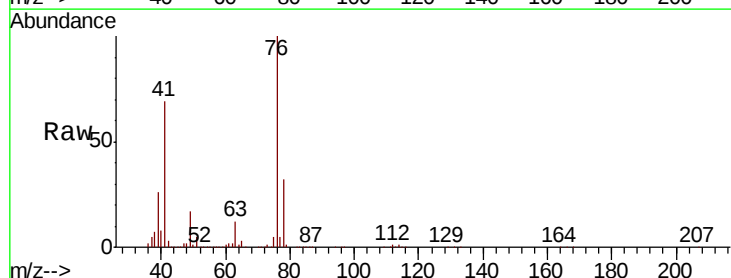
Acq: 25 Apr 2019 19:40

Tgt Ion: 76 Resp: 1096045

Ion Ratio Lower Upper

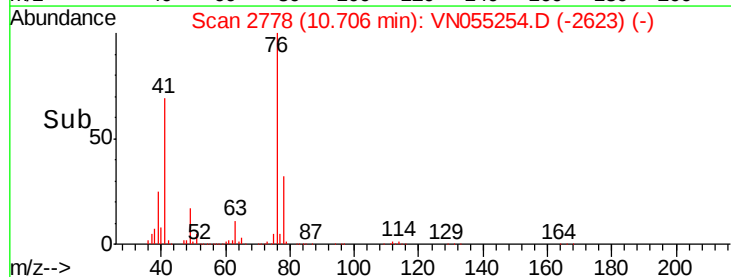
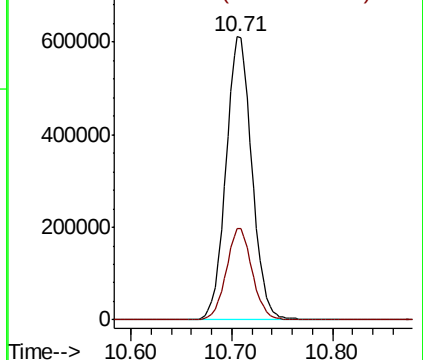
76 100

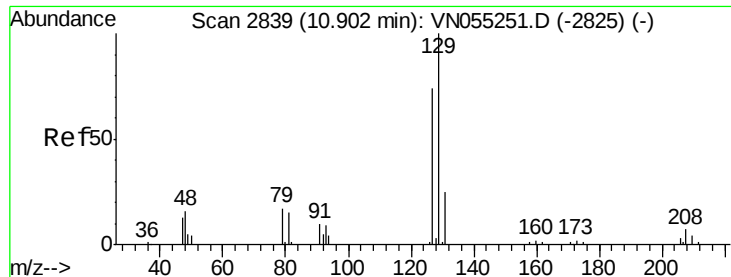
78 32.2 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

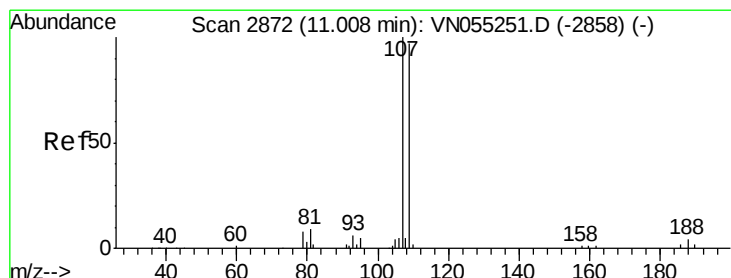
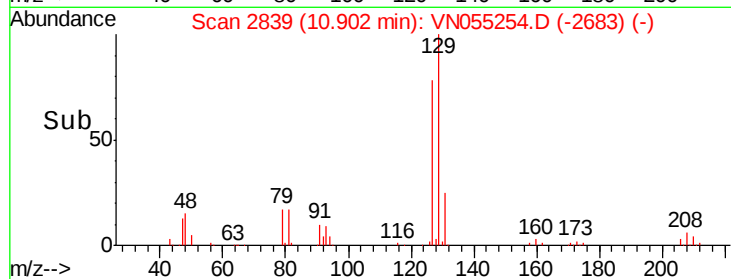
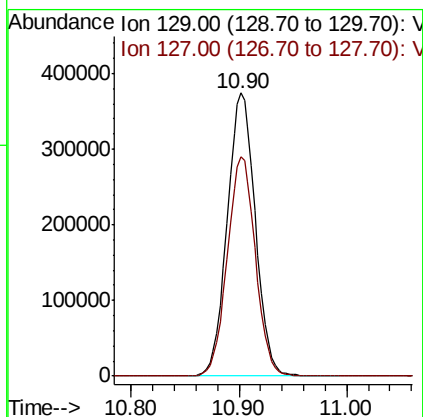
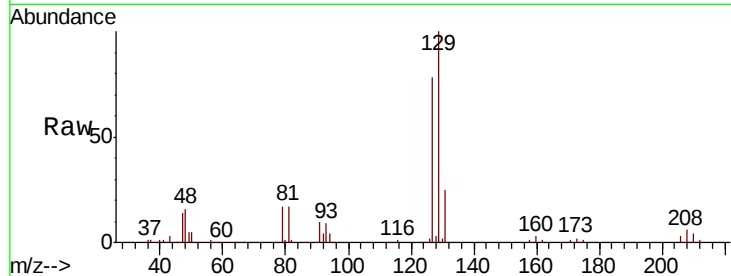




#53
 Dibromochloromethane
 Concen: 162.812 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

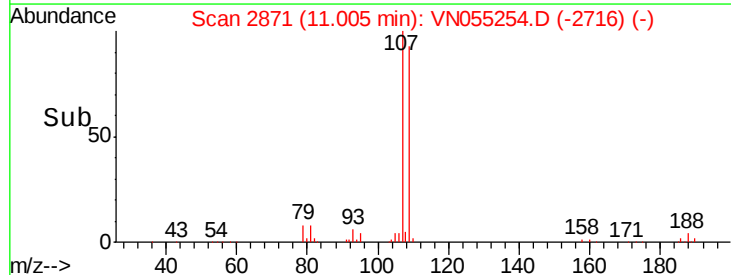
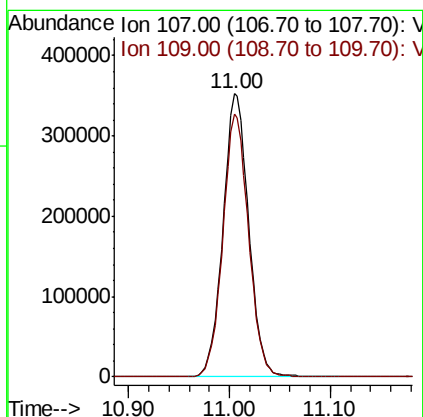
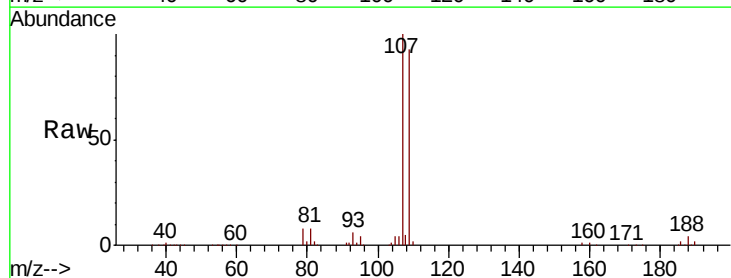
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

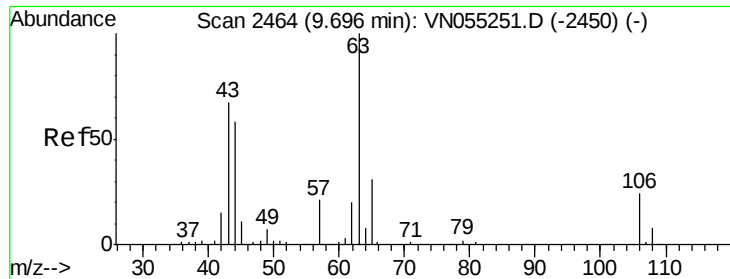
Tot Ion:129 Resp: 679208
 Ion Ratio Lower Upper
 129 100
 127 77.4 38.8 116.3



#54
 1,2-Dibromoethane
 Concen: 163.517 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion:107 Resp: 626664
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.2 112.8

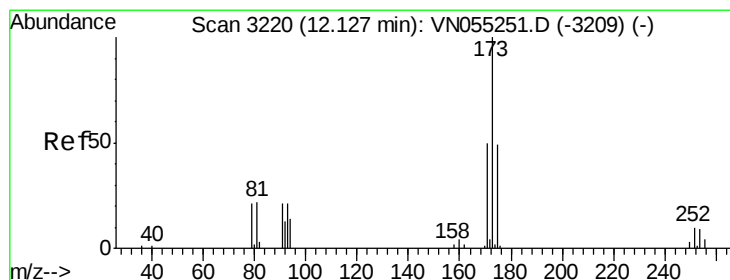
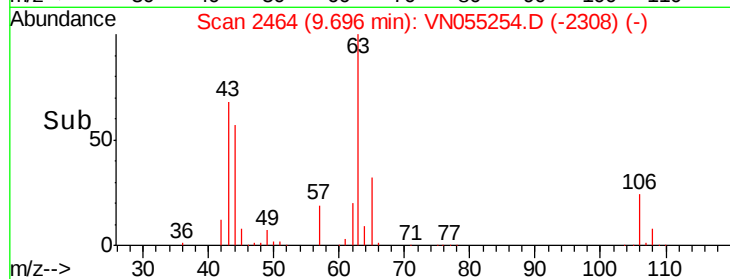
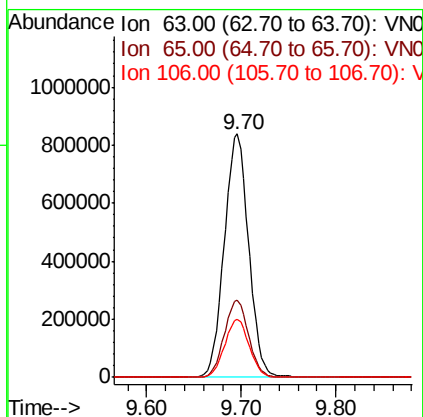
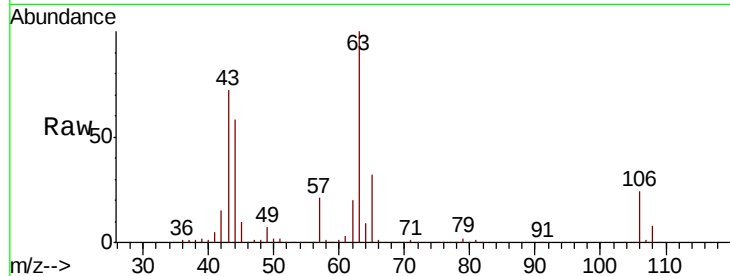




#55
2-Chloroethyl vinyl ether
Concen: 783.882 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

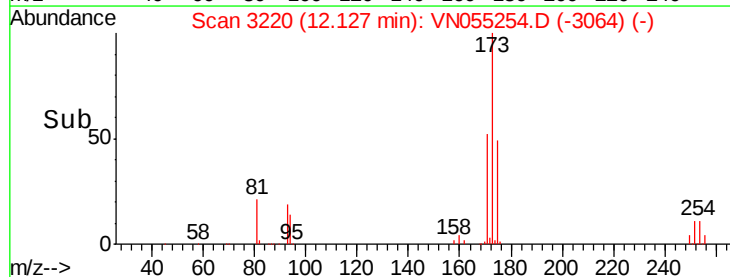
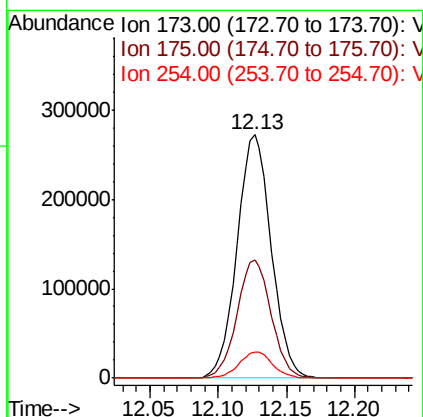
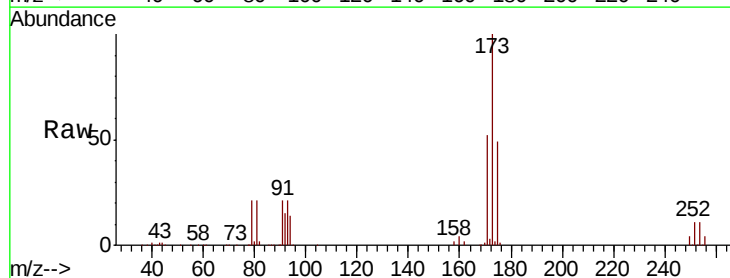
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

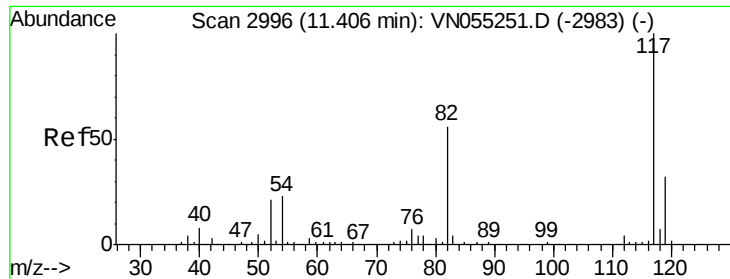
Tot Ion: 63 Resp: 1501371
Ion Ratio Lower Upper
63 100
65 31.5 25.1 37.7
106 24.1 19.4 29.0



#56
Bromoform
Concen: 176.801 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion: 173 Resp: 472201
Ion Ratio Lower Upper
173 100
175 48.5 37.7 56.5
254 10.6 7.8 11.6

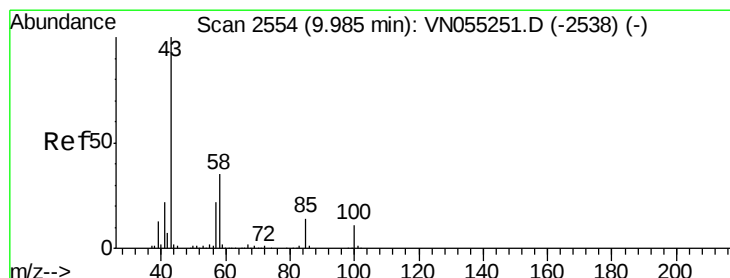
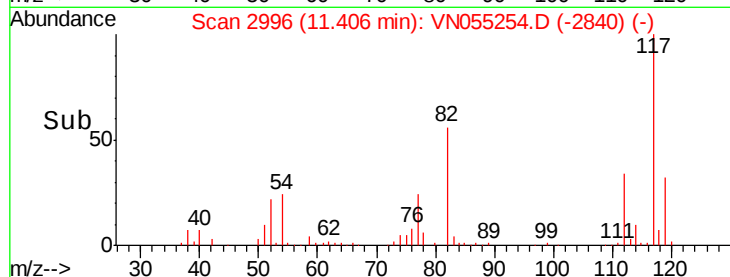
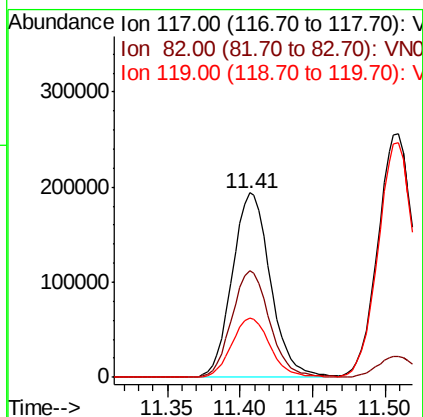
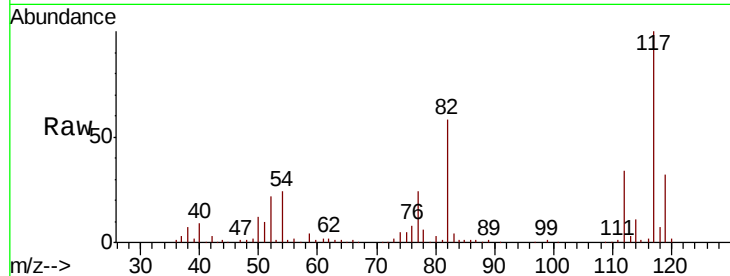




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

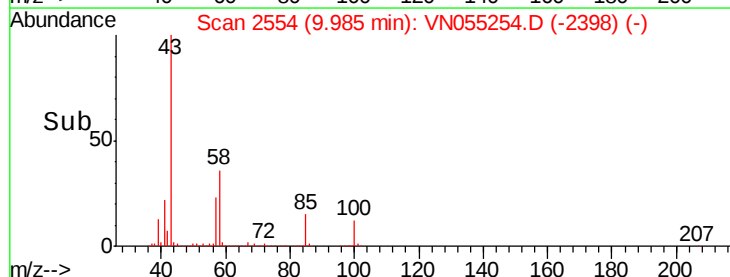
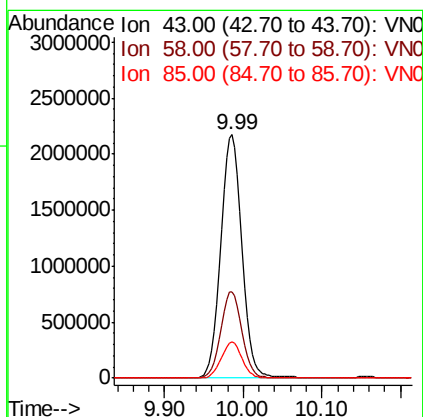
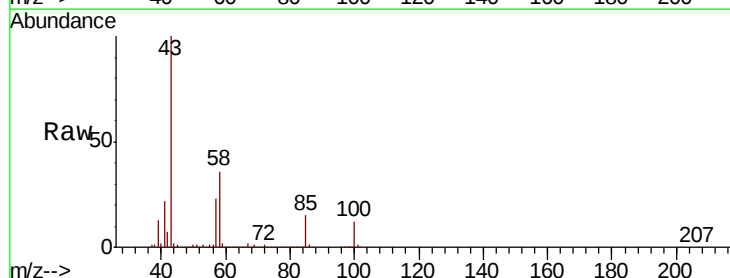
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

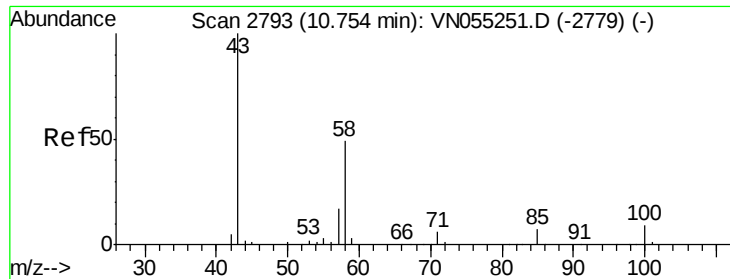
Tot Ion:117 Resp: 356082
Ion Ratio Lower Upper
117 100
82 57.5 45.3 67.9
119 32.2 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 901.649 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion: 43 Resp: 4024432
Ion Ratio Lower Upper
43 100
58 35.5 28.6 43.0
85 14.6 11.4 17.2

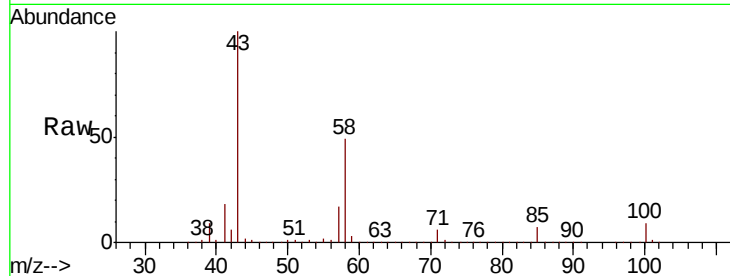




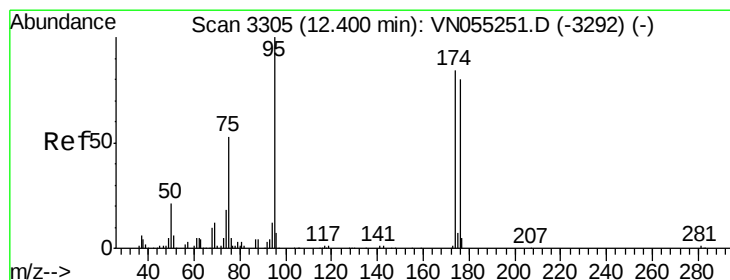
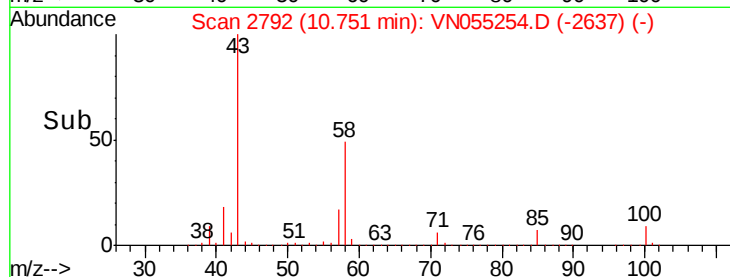
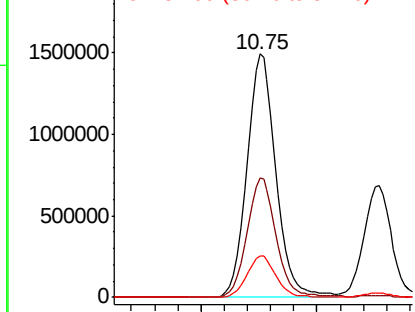
#59
2-Hexanone
Concen: 923.162 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2600256
Ion Ratio Lower Upper
43 100
58 49.4 39.0 58.6
57 17.2 13.4 20.2

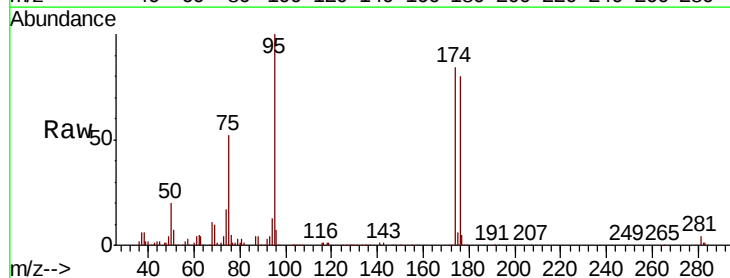


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

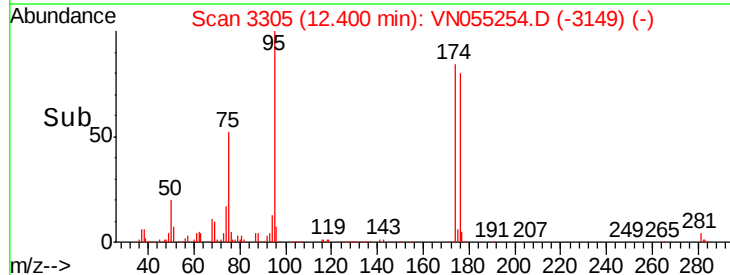
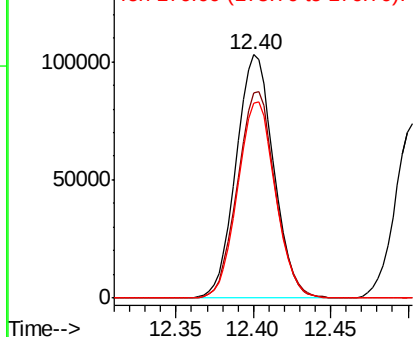


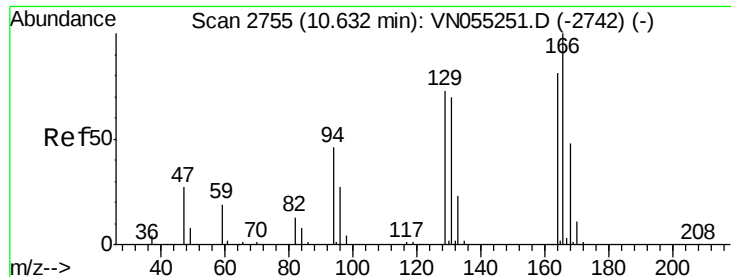
#60
4-Bromofluorobenzene
Concen: 923.162 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion: 95 Resp: 174197
Ion Ratio Lower Upper
95 100
174 85.3 68.1 102.1
176 80.9 65.8 98.6



Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 132.883 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 621157

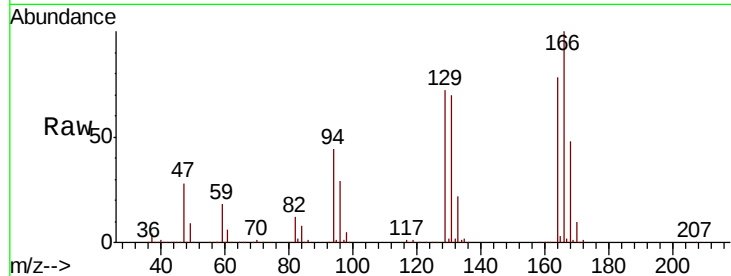
Ion Ratio Lower Upper

164 100

166 128.2 98.6 147.8

129 92.3 72.4 108.6

131 90.3 69.2 103.8

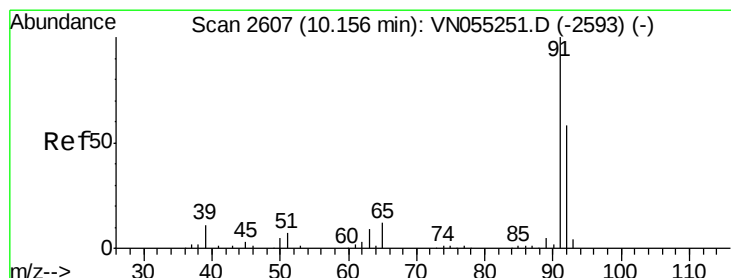
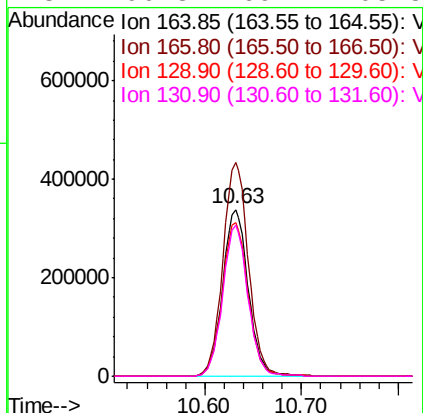
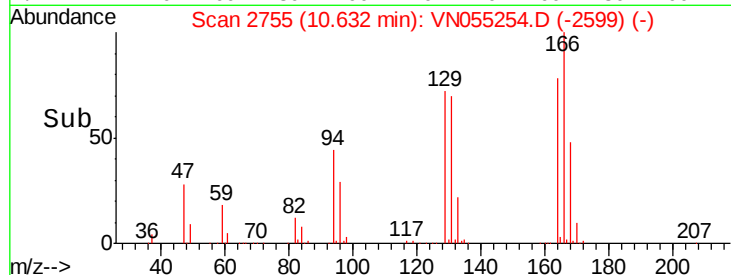


Abundance Ion 163.85 (163.55 to 164.55): V

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: 143.806 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055254.D

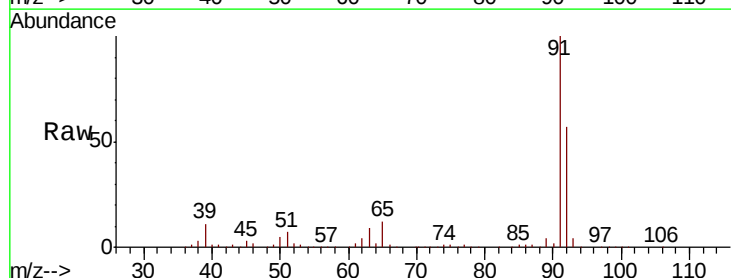
Acq: 25 Apr 2019 19:40

Tgt Ion: 91 Resp: 2852183

Ion Ratio Lower Upper

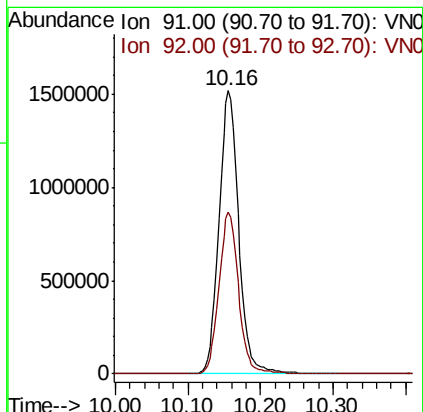
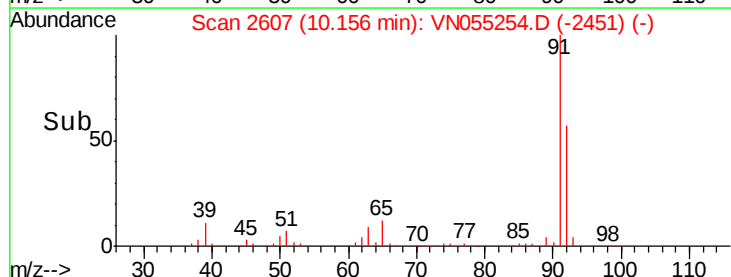
91 100

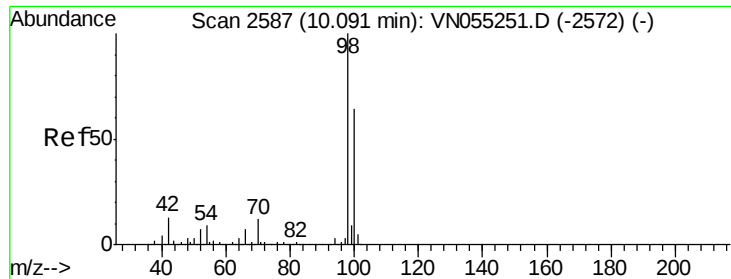
92 57.0 44.3 66.5



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 143.806 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

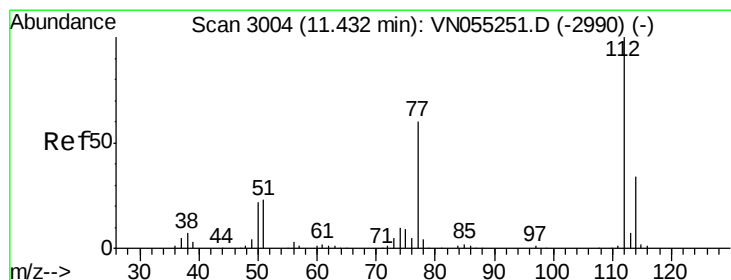
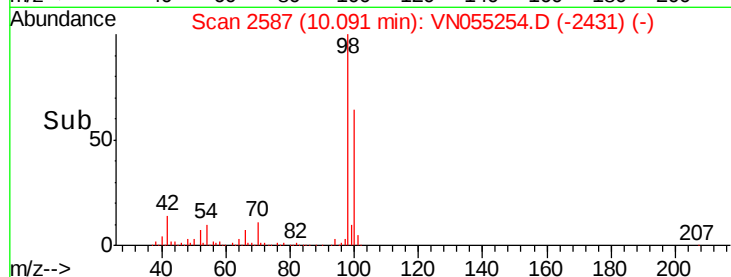
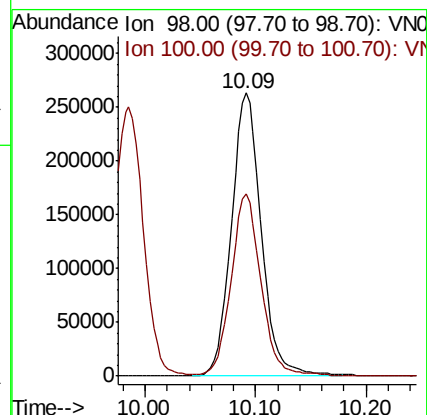
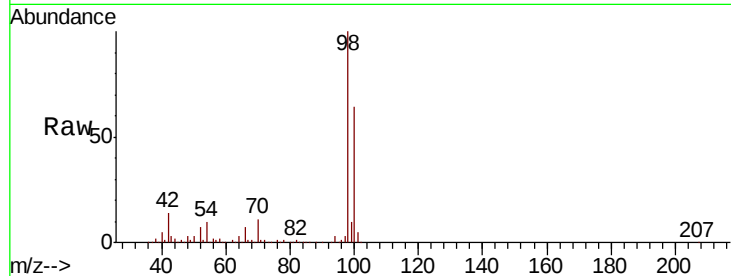
VSTDIC150

Tot Ion: 98 Resp: 494168

Ion Ratio Lower Upper

98 100

100 65.0 50.0 75.0



#64

Chlorobenzene

Concen: 147.344 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055254.D

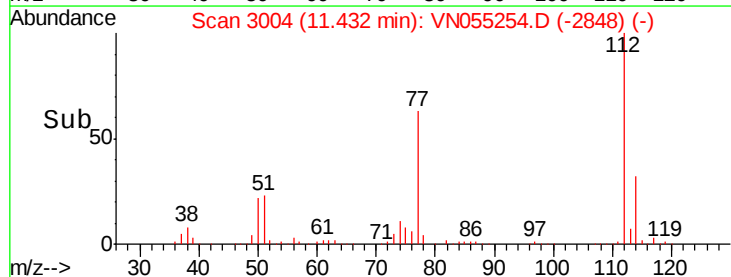
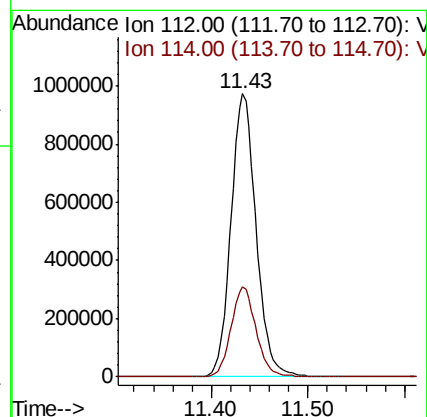
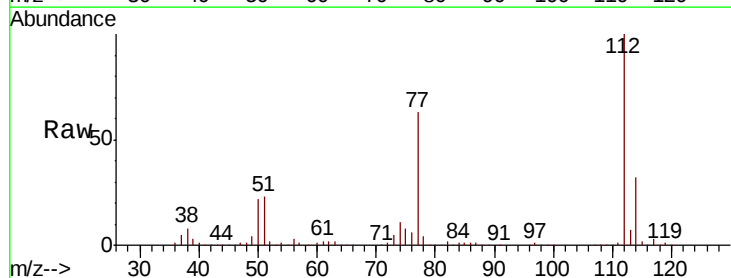
Acq: 25 Apr 2019 19:40

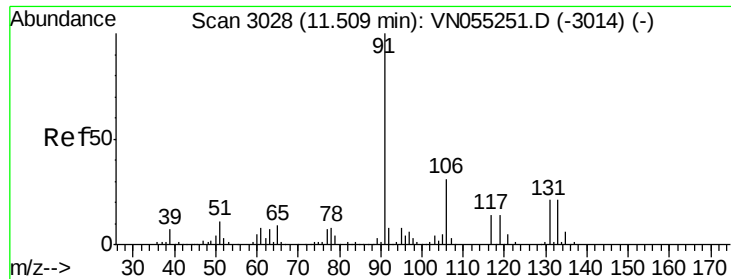
Tgt Ion: 112 Resp: 1754056

Ion Ratio Lower Upper

112 100

114 31.7 26.9 40.3





#65

1,1,1,2-Tetrachloroethane

Concen: 152.627 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

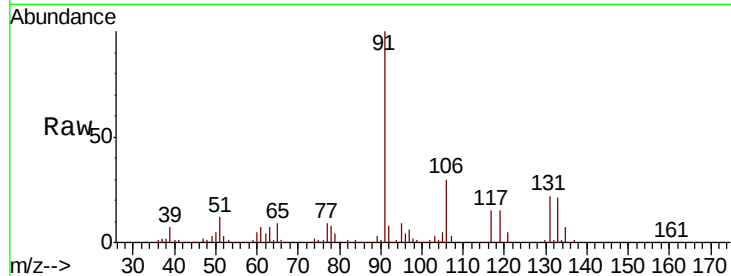
Tot Ion:131 Resp: 655312

Ion Ratio Lower Upper

131 100

133 95.8 0.0 195.6

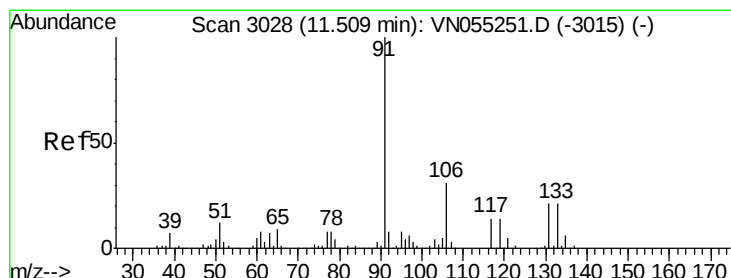
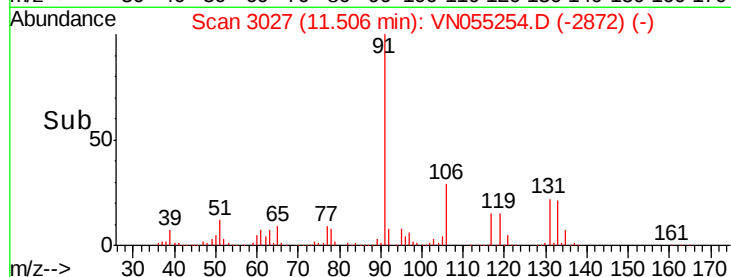
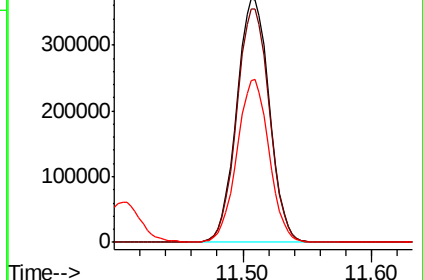
119 65.5 0.0 135.0



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: 147.824 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055254.D

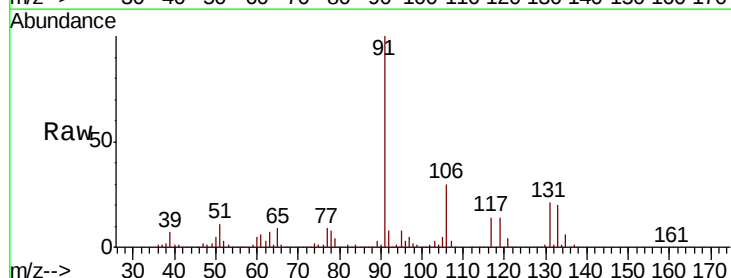
Acq: 25 Apr 2019 19:40

Tgt Ion: 91 Resp: 3132759

Ion Ratio Lower Upper

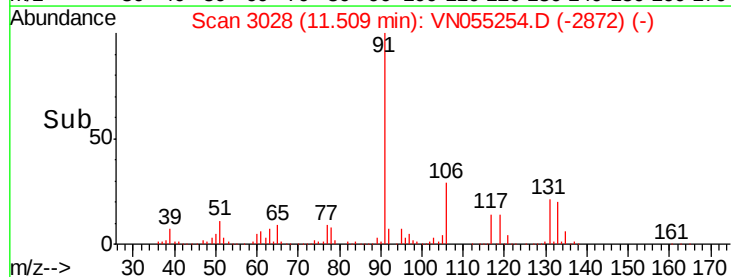
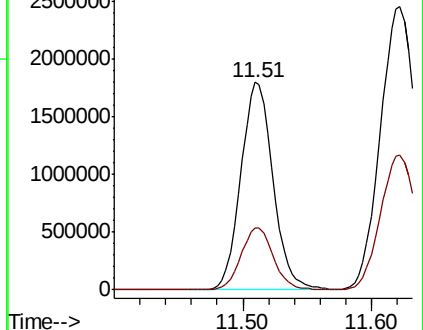
91 100

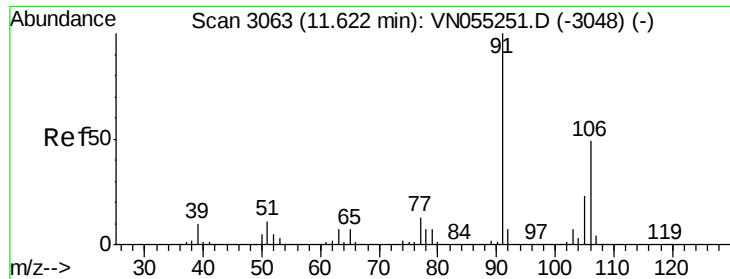
106 30.1 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

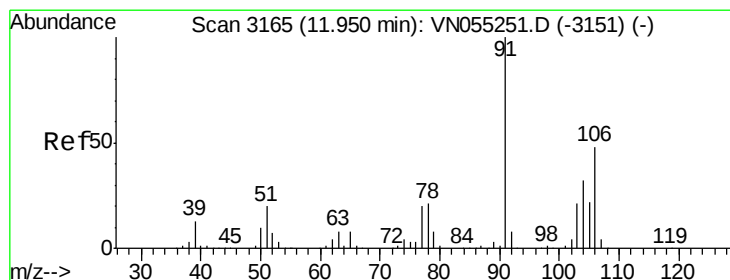
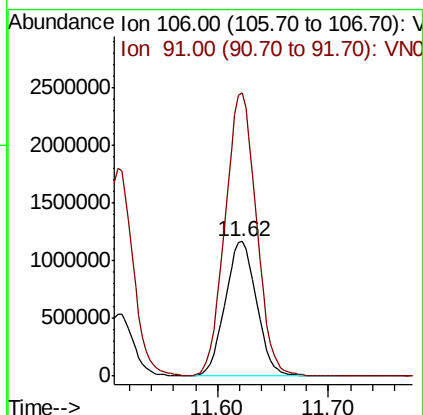
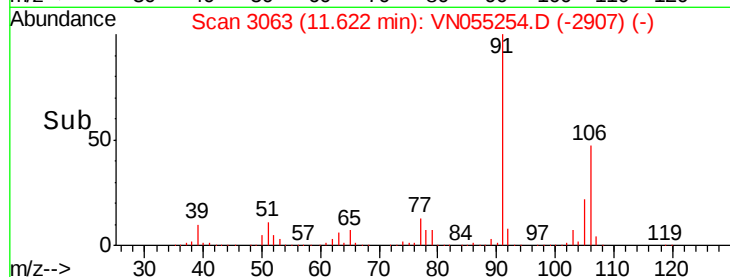
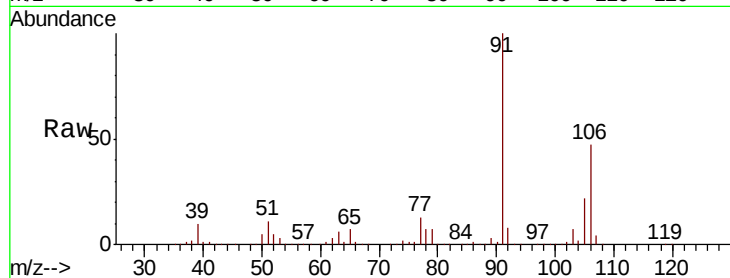




#67
m/p-Xylenes
Concen: 293.426 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

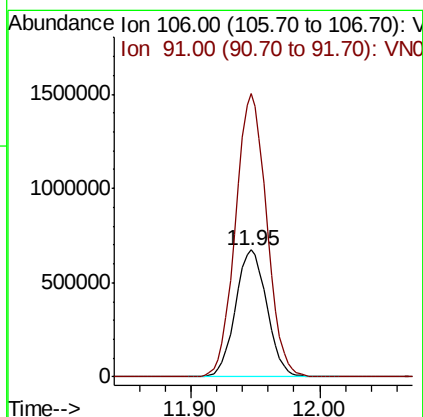
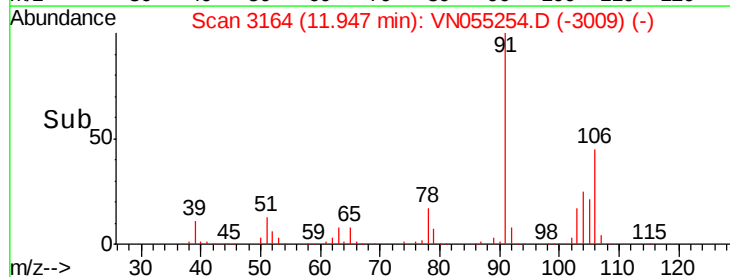
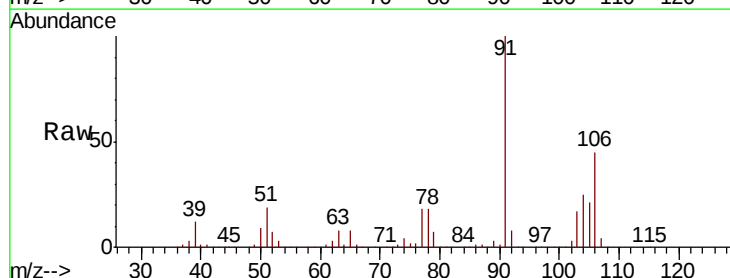
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

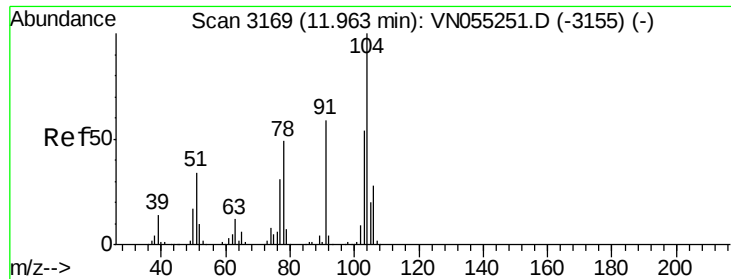
Tot Ion:106 Resp: 2306875
Ion Ratio Lower Upper
106 100
91 209.6 165.4 248.2



#68
o-Xylene
Concen: 145.844 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion:106 Resp: 1141510
Ion Ratio Lower Upper
106 100
91 221.1 106.8 320.4

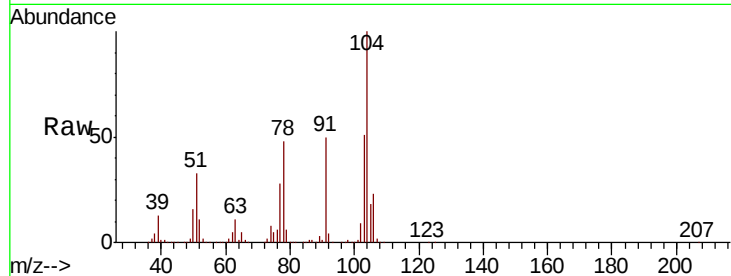




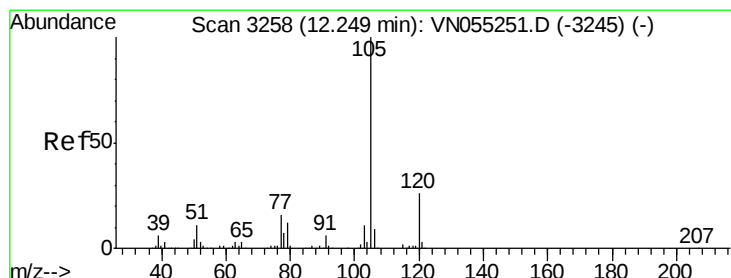
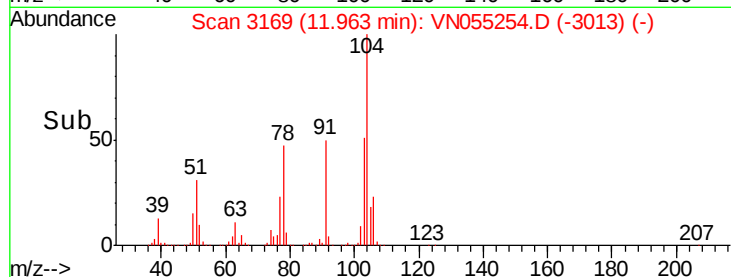
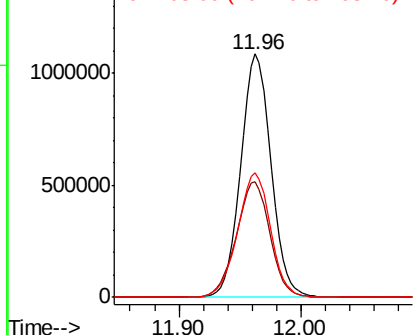
#69
Stvrene
Concen: 153.942 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:104 Resp: 1856564
Ion Ratio Lower Upper
104 100
78 52.9 42.4 63.6
103 55.7 45.3 67.9

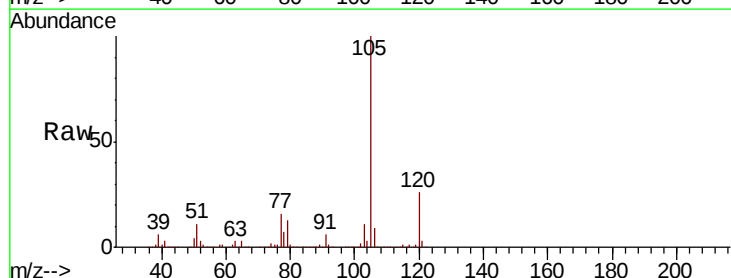


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

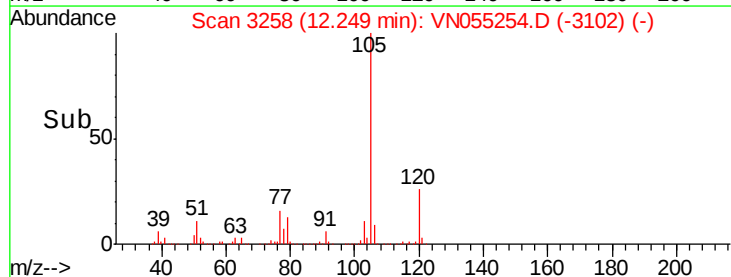
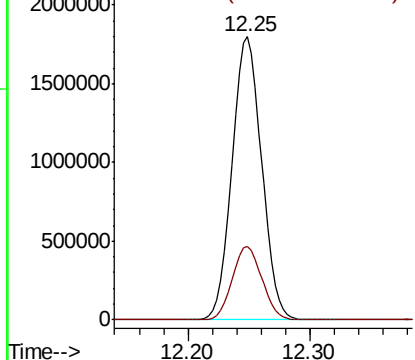


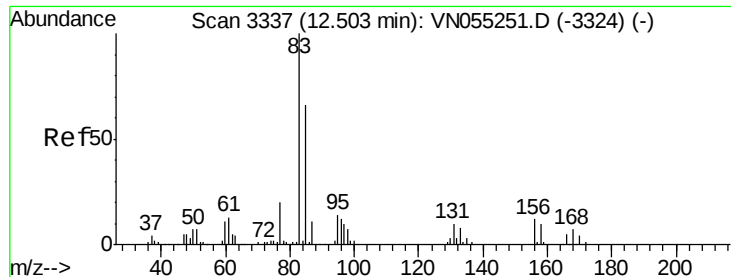
#70
Isopropylbenzene
Concen: 145.628 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion:105 Resp: 3025904
Ion Ratio Lower Upper
105 100
120 26.0 18.1 33.7



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

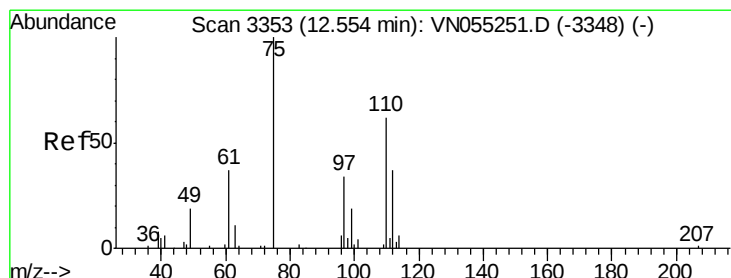
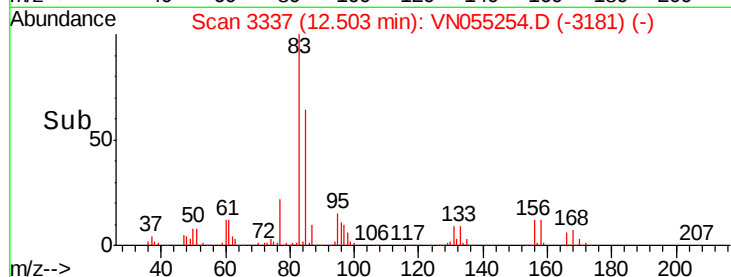
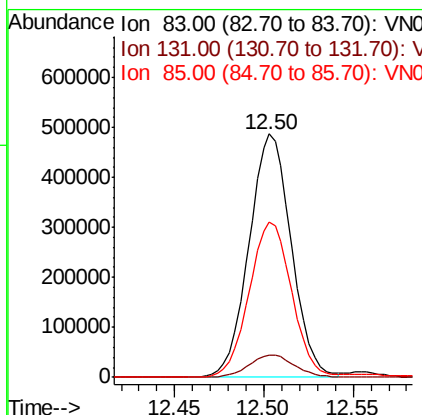
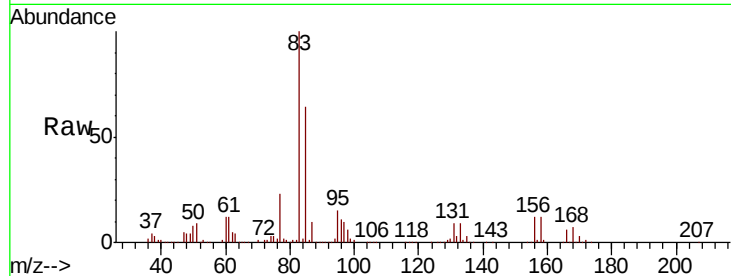




#71
 1,1,2,2-Tetrachloroethane
 Concen: 162.962 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

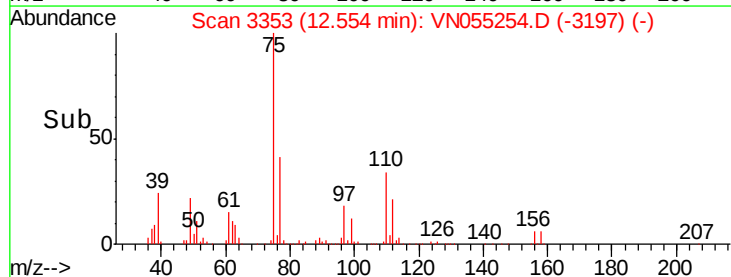
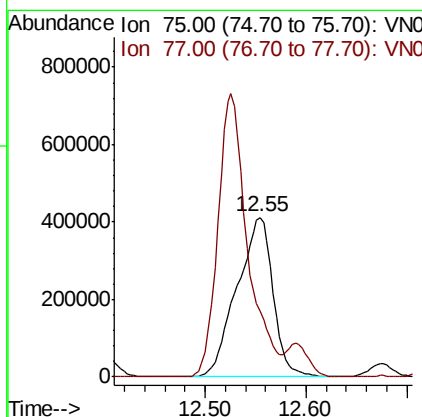
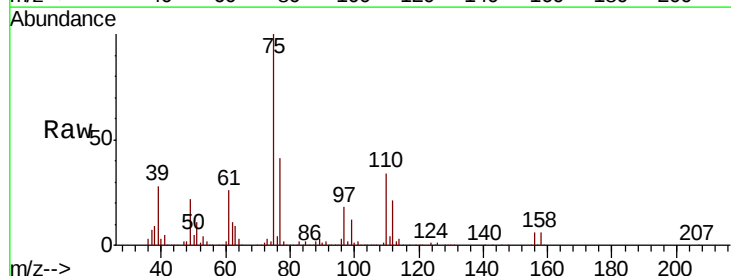
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

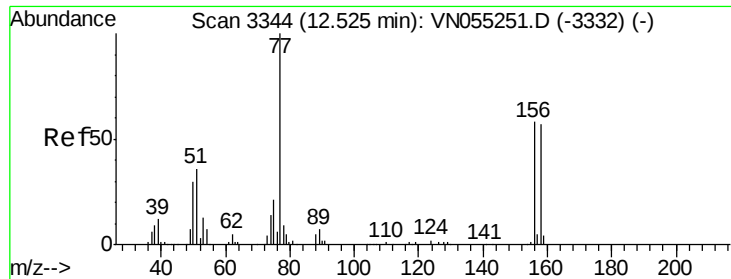
Tot Ion: 83 Resp: 805623
 Ion Ratio Lower Upper
 83 100
 131 10.0 5.0 14.9
 85 64.3 32.3 96.8



#72
 1,2,3-Trichloropropane
 Concen: 249.707 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion: 75 Resp: 1018040
 Ion Ratio Lower Upper
 75 100
 77 146.6 0.0 410.2





#73

Bromobenzene

Concen: 150.602 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

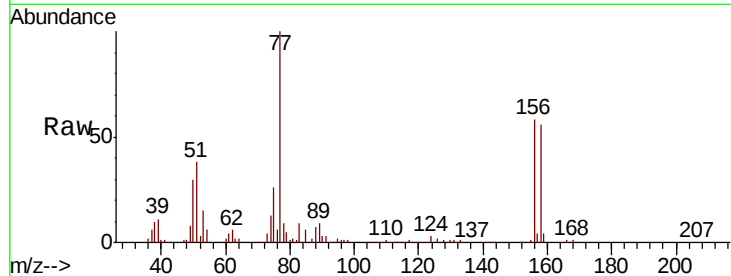
Tot Ion:156 Resp: 738652

Ion Ratio Lower Upper

156 100

77 202.0 0.0 403.2

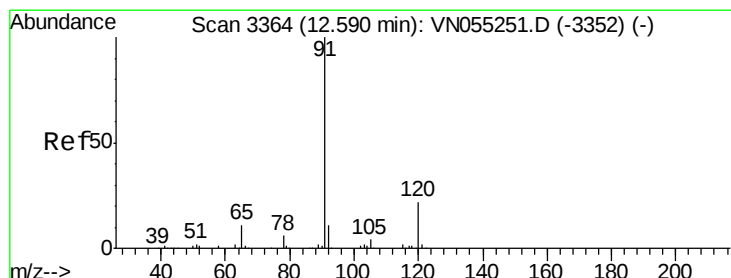
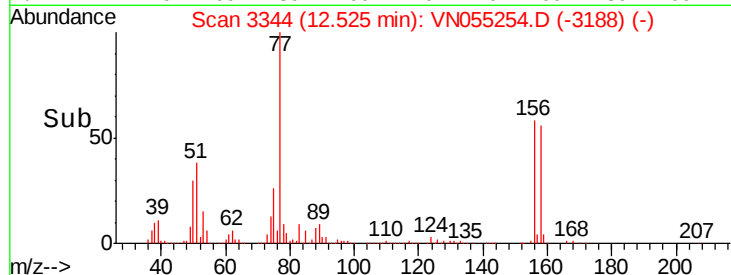
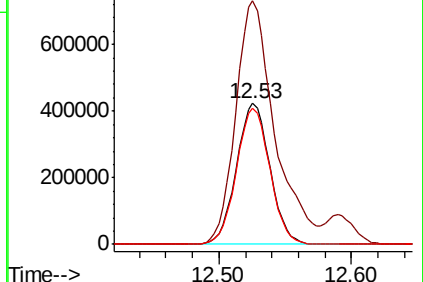
158 96.9 0.0 195.8



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: 150.914 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055254.D

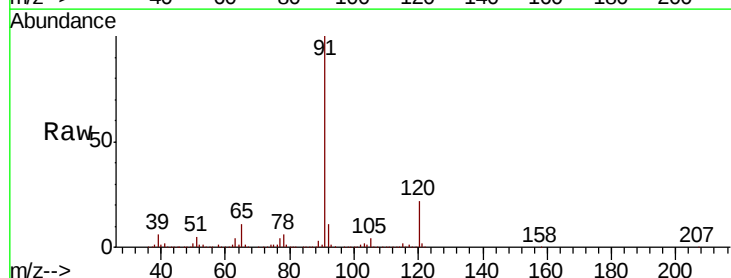
Acq: 25 Apr 2019 19:40

Tgt Ion: 91 Resp: 3493090

Ion Ratio Lower Upper

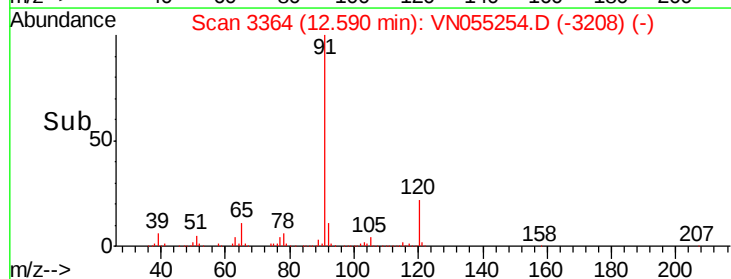
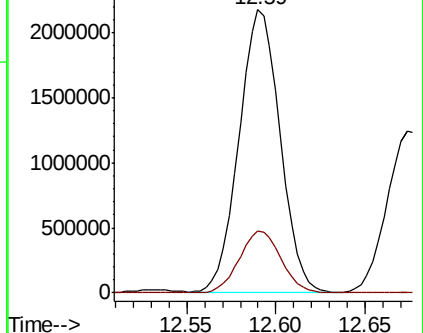
91 100

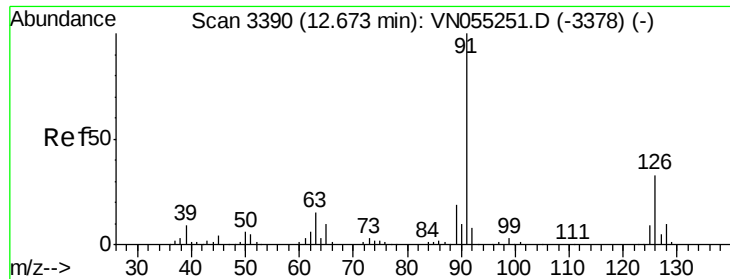
120 22.1 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 150.592 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

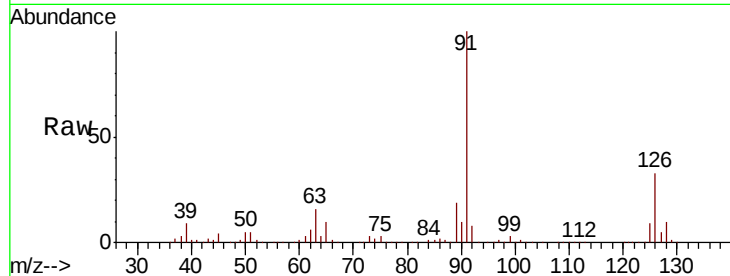
VSTDIC150

Tot Ion: 91 Resp: 2112857

Ion Ratio Lower Upper

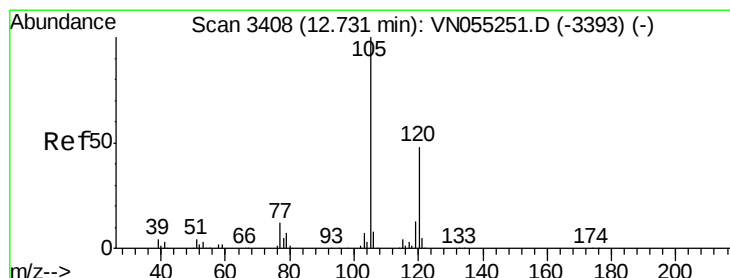
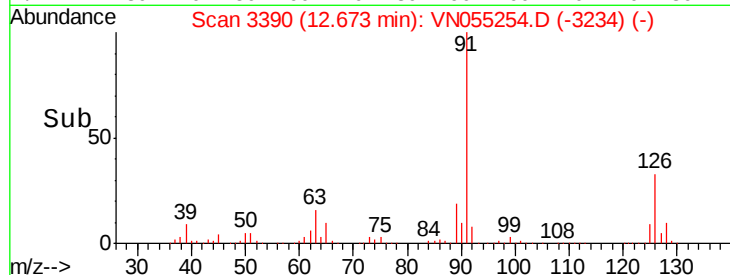
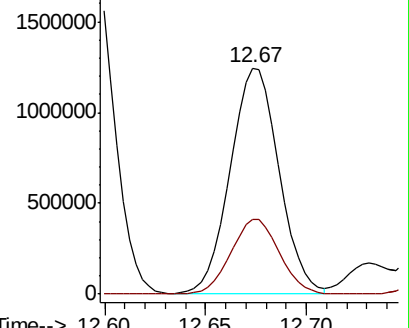
91 100

126 32.8 0.0 65.8



Abundance Ion 91.00 (90.70 to 91.70): VN055251.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055251.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 149.987 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055254.D

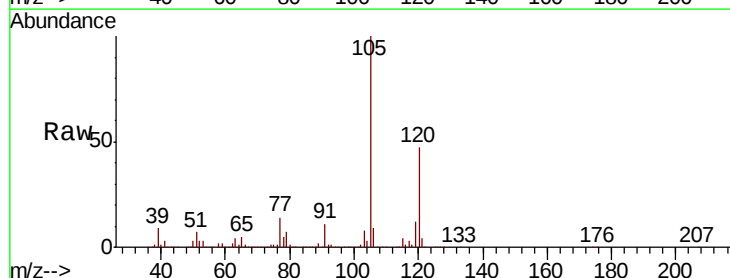
Acq: 25 Apr 2019 19:40

Tgt Ion:105 Resp: 2513046

Ion Ratio Lower Upper

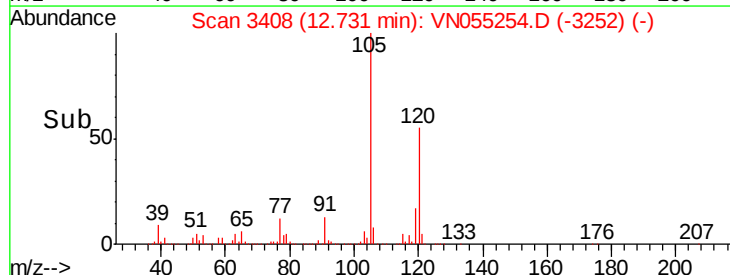
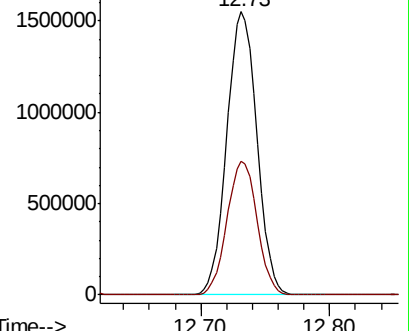
105 100

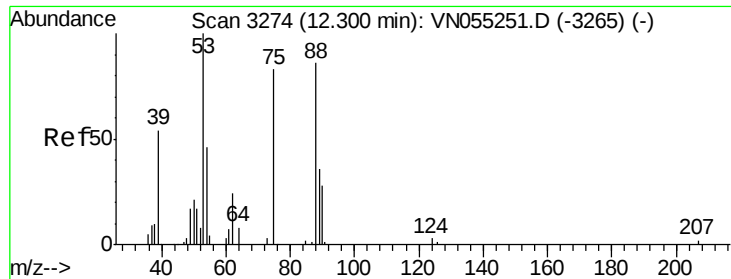
120 47.3 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN055251.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055251.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 209.610 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

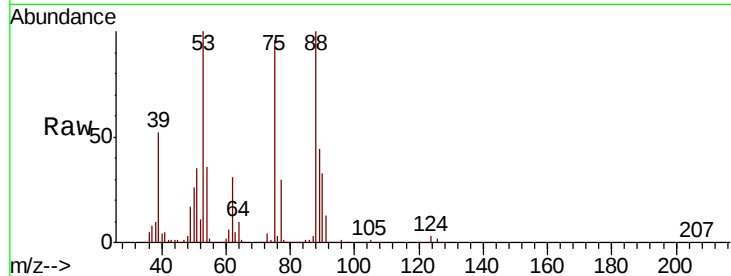
Tot Ion: 75 Resp: 220657

Ion Ratio Lower Upper

75 100

53 104.0 59.5 178.5

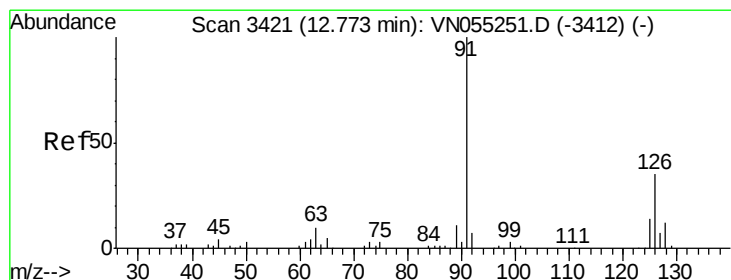
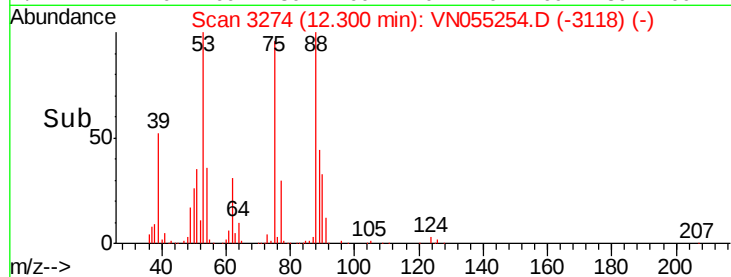
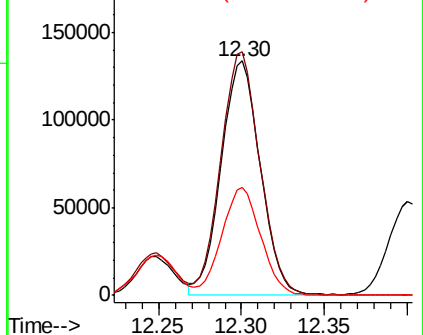
89 46.1 23.1 69.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 158.327 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055254.D

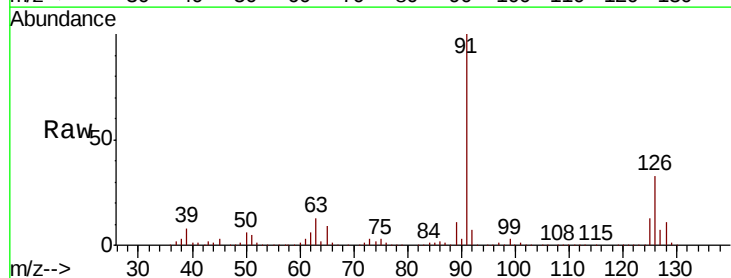
Acq: 25 Apr 2019 19:40

Tgt Ion: 91 Resp: 2118960

Ion Ratio Lower Upper

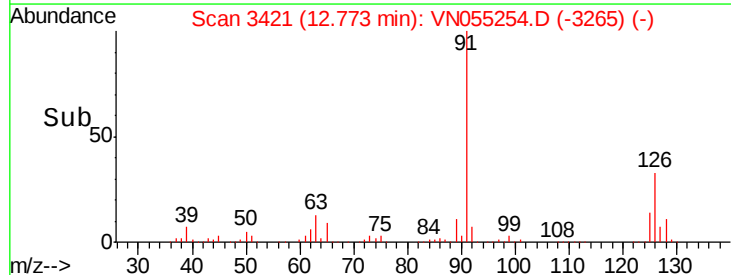
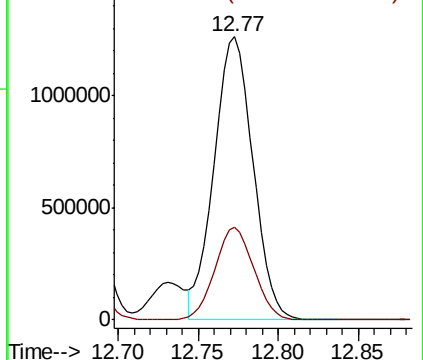
91 100

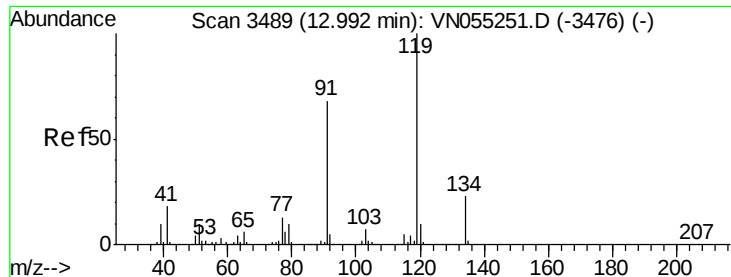
126 32.6 0.0 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

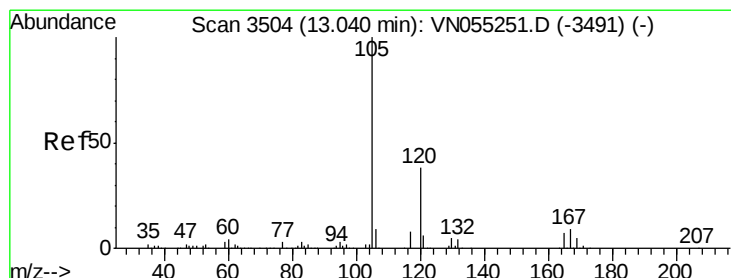
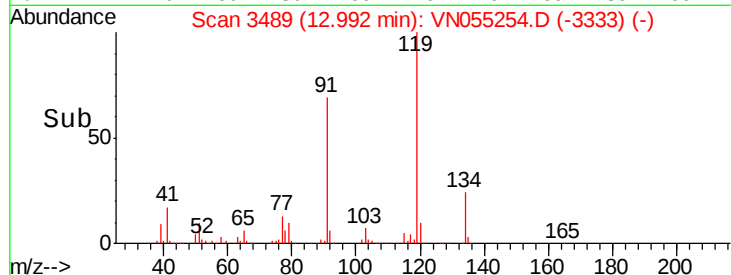
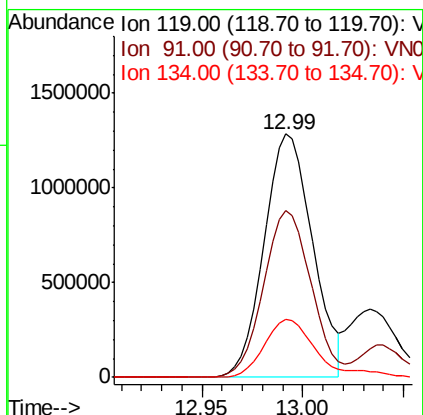
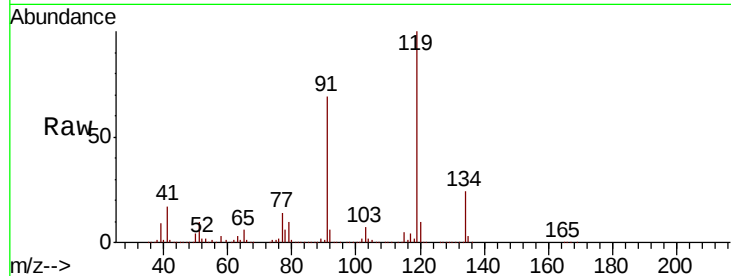




#79
tert-butylbenzene
Concen: 147.715 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

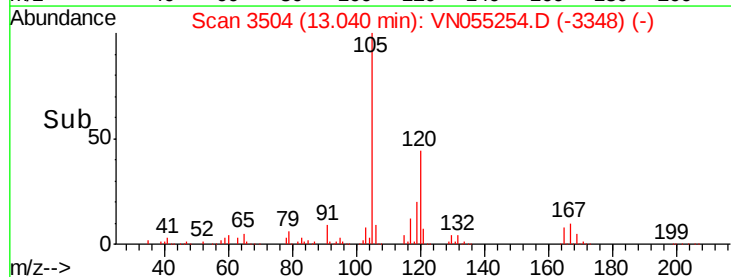
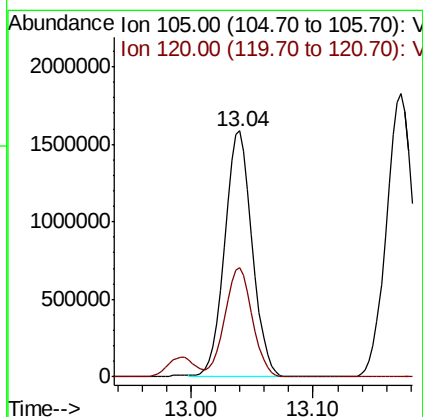
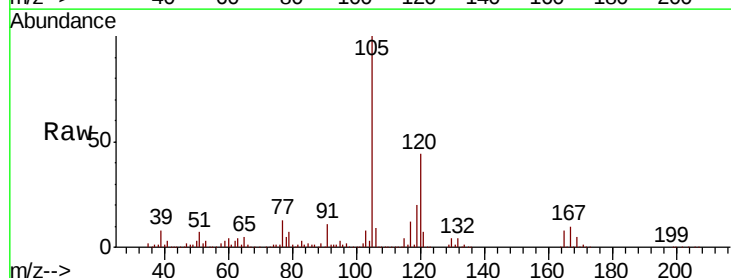
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

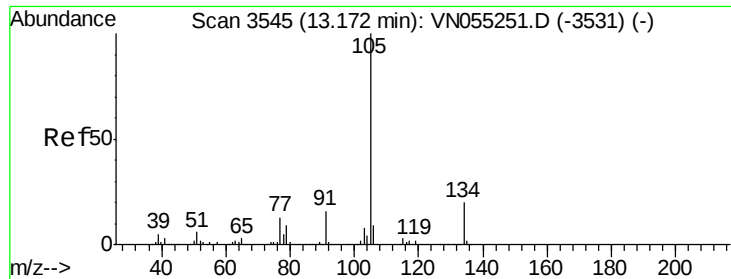
Tot Ion:119 Resp: 2146702
Ion Ratio Lower Upper
119 100
91 67.3 0.0 135.6
134 24.1 0.0 47.8



#80
1,2,4-Trimethylbenzene
Concen: 151.403 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion:105 Resp: 2502408
Ion Ratio Lower Upper
105 100
120 44.5 0.0 88.6





#81

sec-Butylbenzene

Concen: 148.700 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

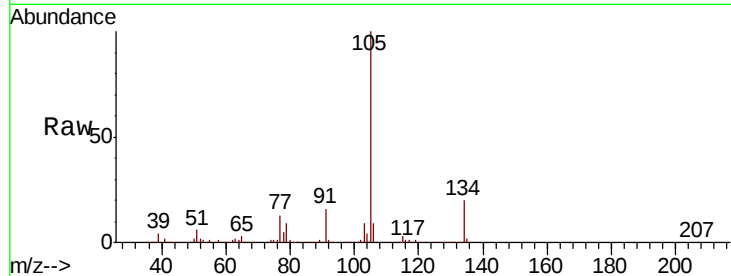
VSTDIC150

Tot Ion:105 Resp: 2873619

Ion Ratio Lower Upper

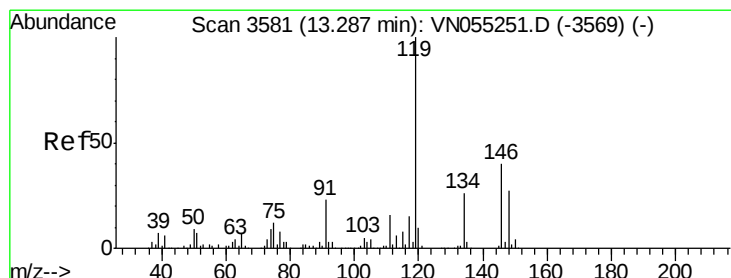
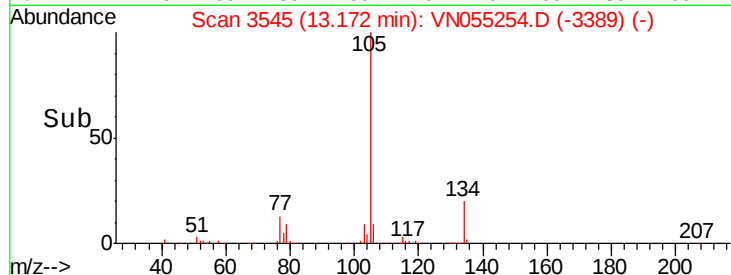
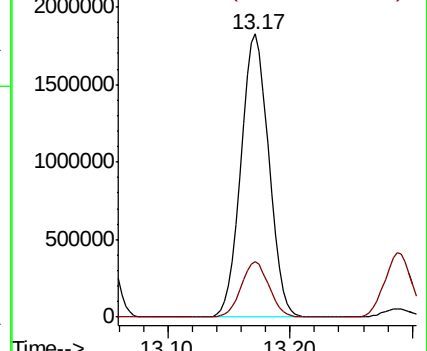
105 100

134 19.6 0.0 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 151.511 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

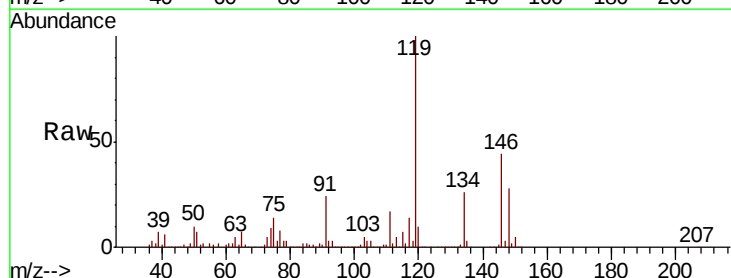
Tgt Ion:119 Resp: 2456773

Ion Ratio Lower Upper

119 100

134 26.1 0.0 53.2

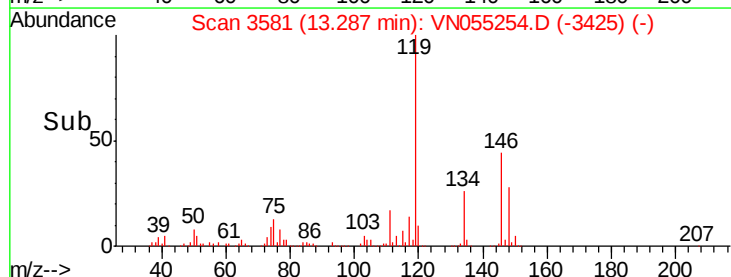
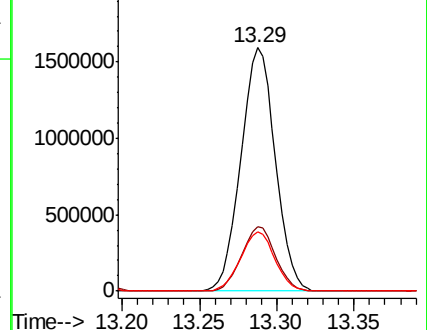
91 24.3 0.0 47.6

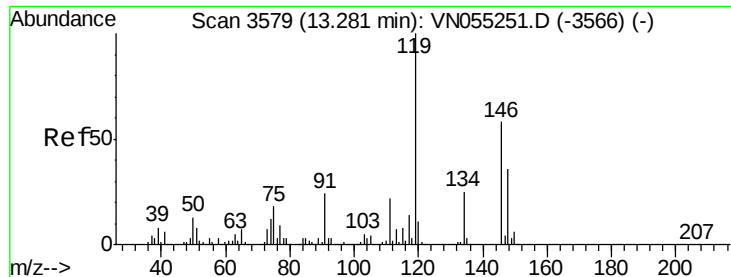


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

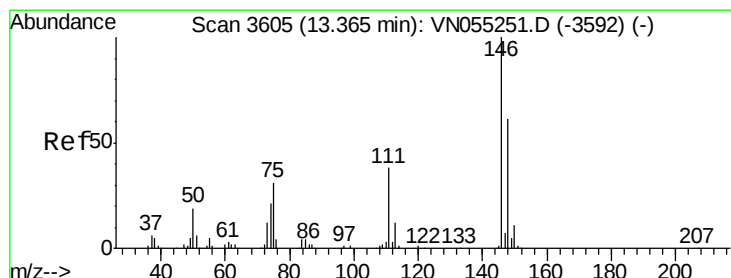
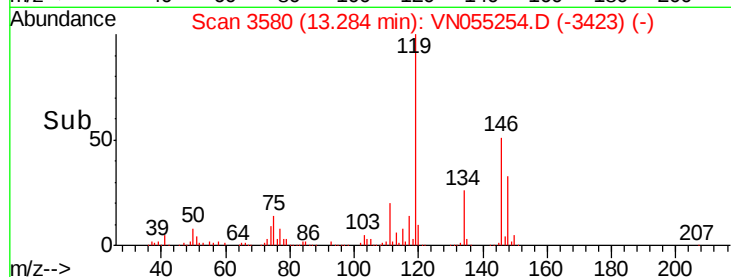
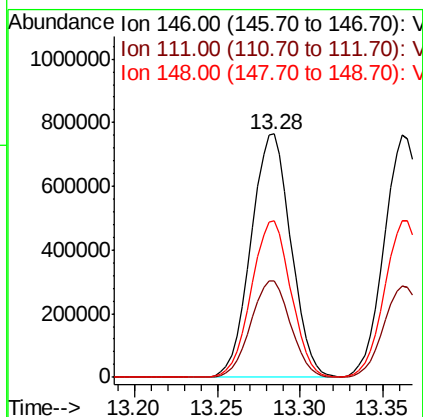
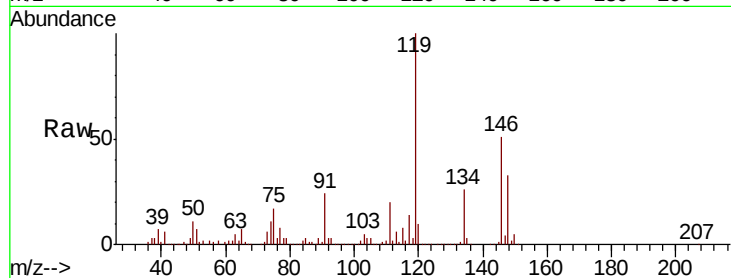




#83
 1,3-Dichlorobenzene
 Concen: 157.518 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

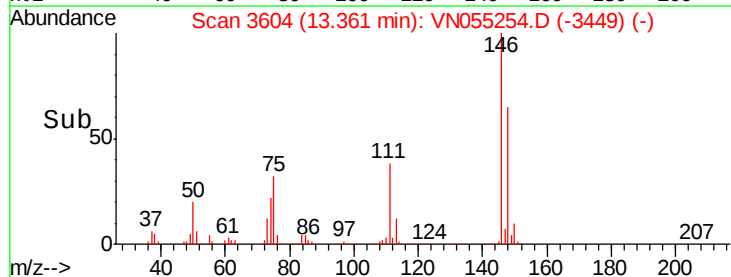
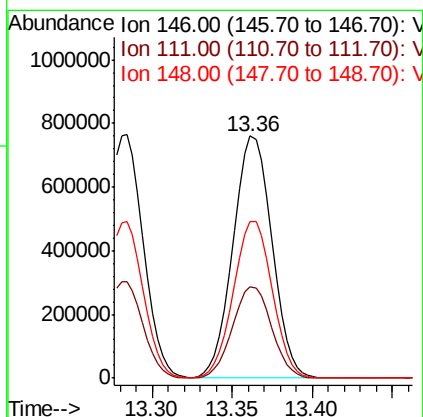
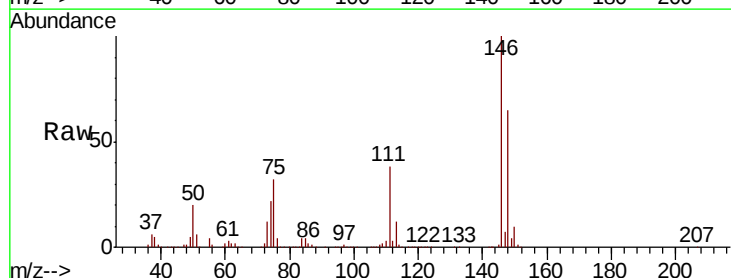
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

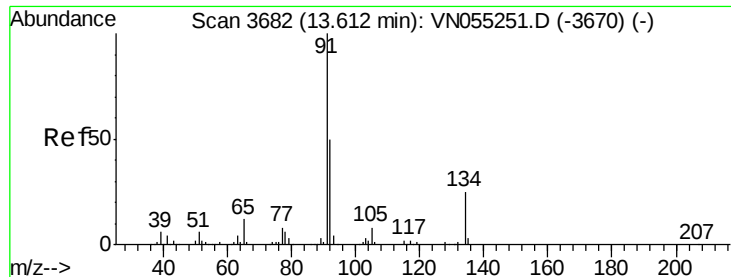
Tot Ion:146 Resp: 1280288
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.9 59.7
 148 63.6 32.8 98.3



#84
 1,4-Dichlorobenzene
 Concen: 163.215 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion:146 Resp: 1261076
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.5
 148 64.6 31.4 94.3

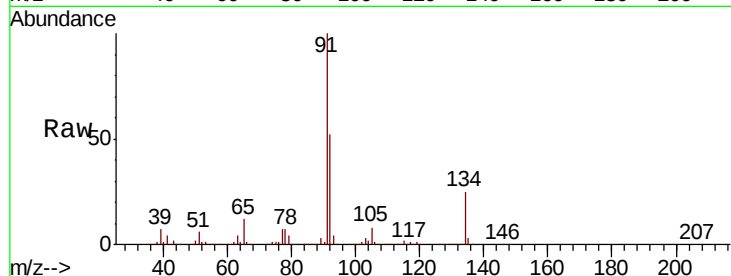




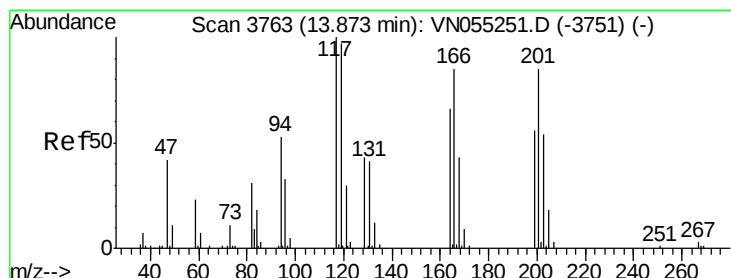
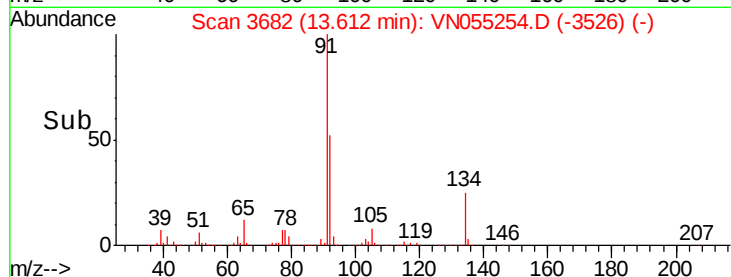
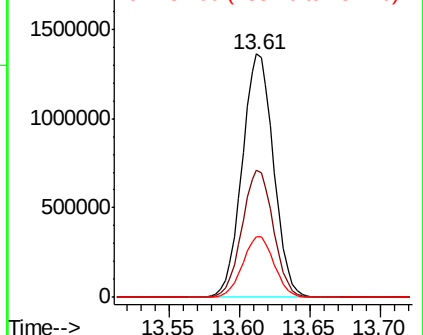
#85
n-Butylbenzene
Concen: 165.849 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2117782
Ion Ratio Lower Upper
91 100
92 52.1 0.0 102.8
134 25.0 0.0 50.0

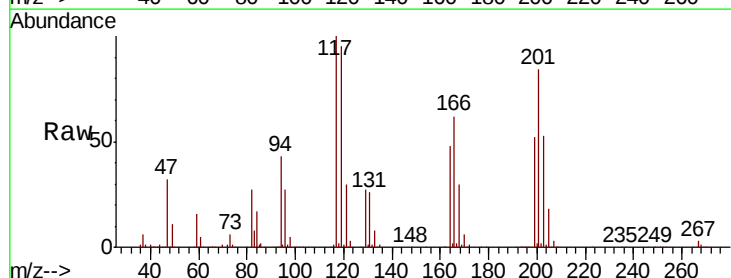


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): VN0

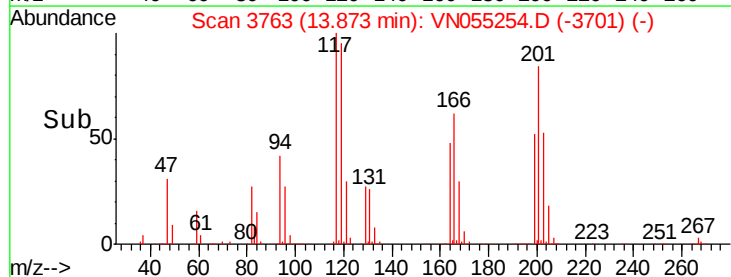
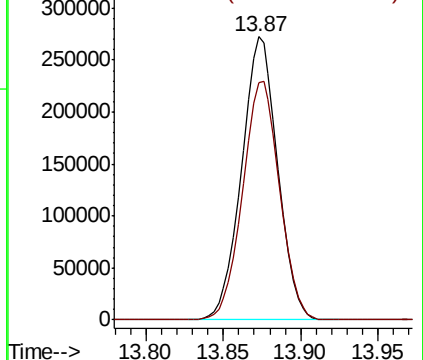


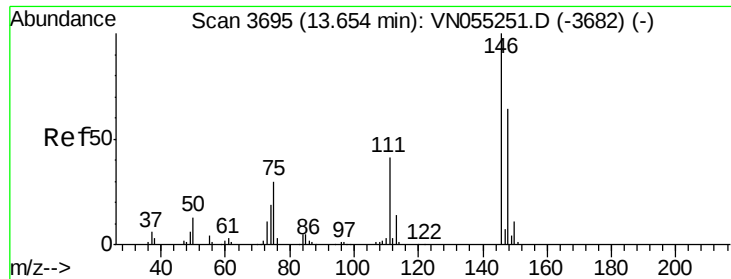
#86
Hexachloroethane
Concen: 167.518 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055254.D
Acq: 25 Apr 2019 19:40

Tgt Ion: 117 Resp: 441644
Ion Ratio Lower Upper
117 100
201 86.3 44.5 133.7



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

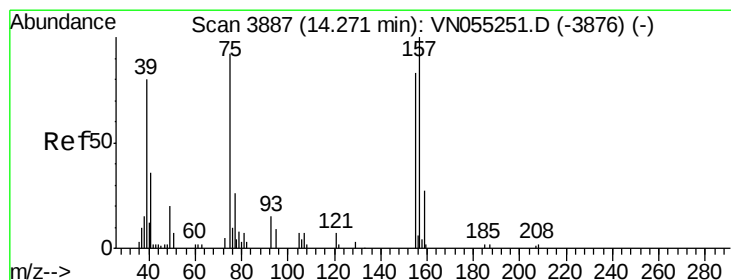
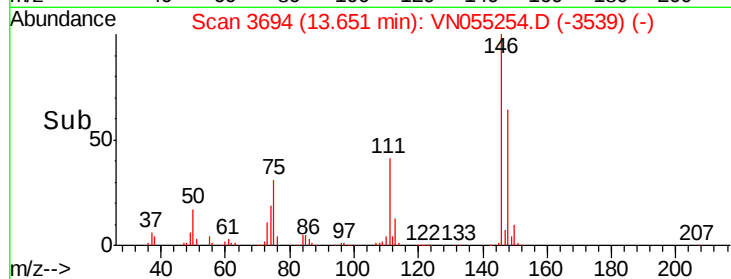
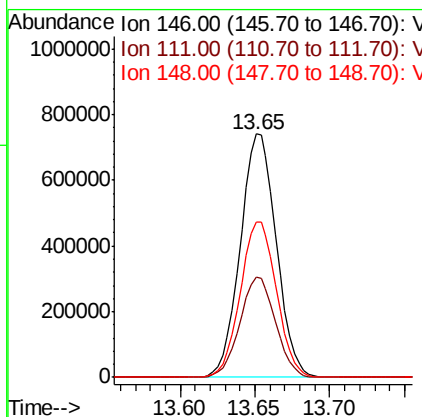
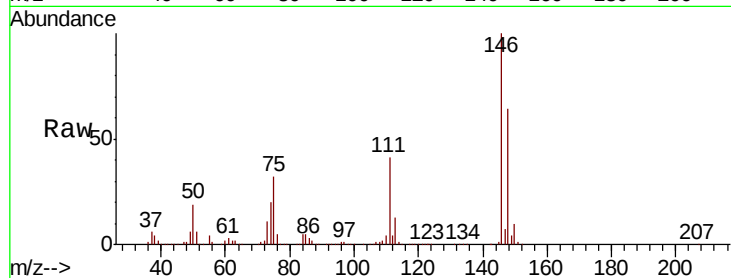




#87
 1,2-Dichlorobenzene
 Concen: 154.823 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

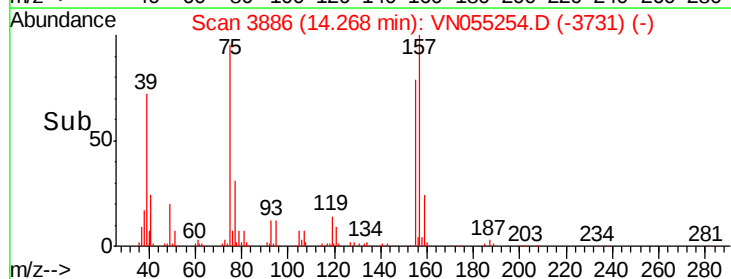
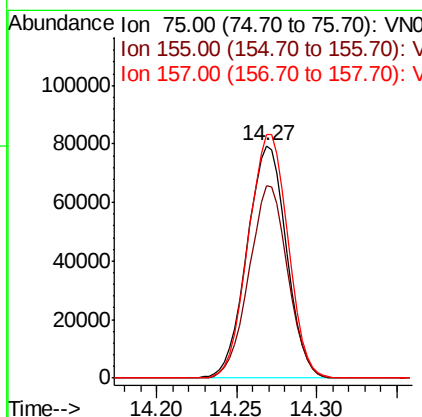
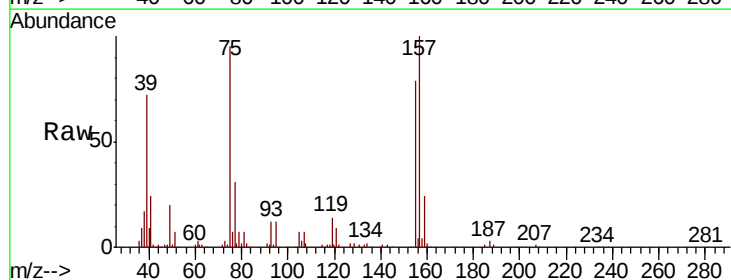
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

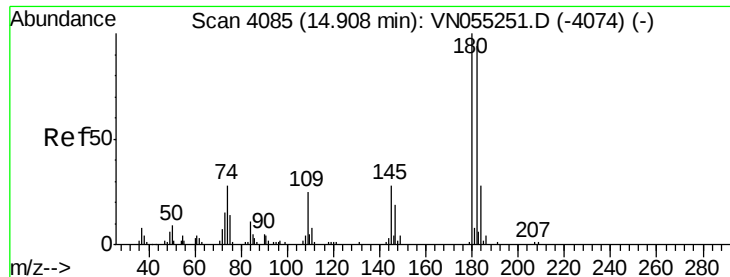
Tot Ion:146 Resp: 1239490
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.8 62.2
 148 64.1 31.9 95.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 201.651 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion: 75 Resp: 134048
 Ion Ratio Lower Upper
 75 100
 155 81.4 70.4 105.6
 157 105.5 88.5 132.7

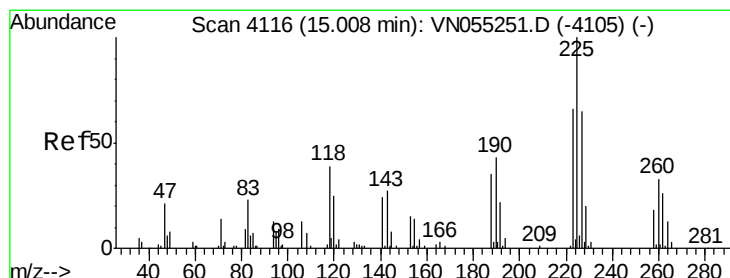
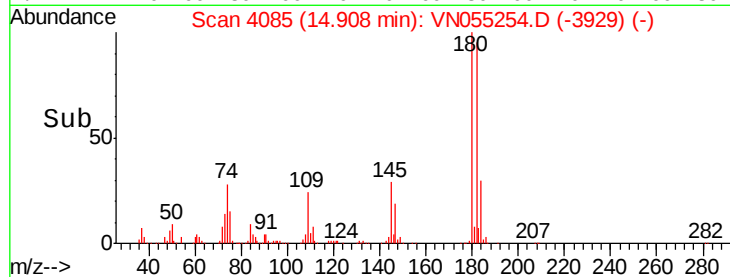
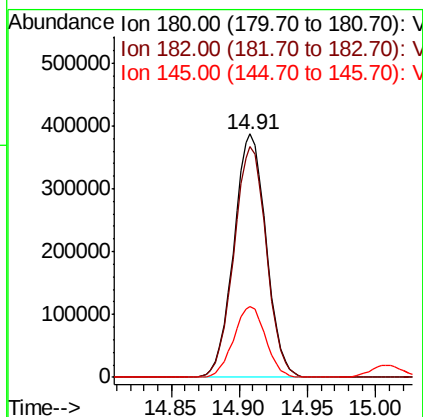
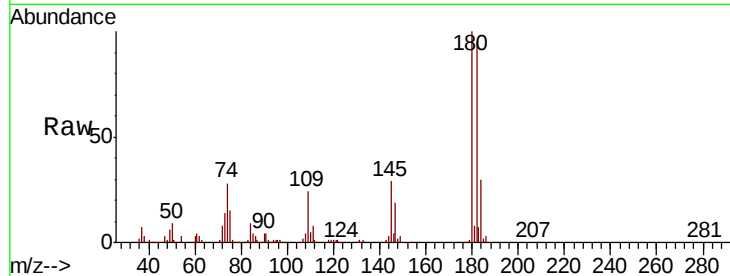




#89
 1,2,4-Trichlorobenzene
 Concen: 182.181 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

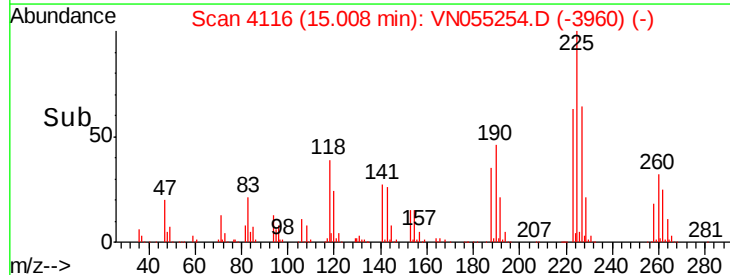
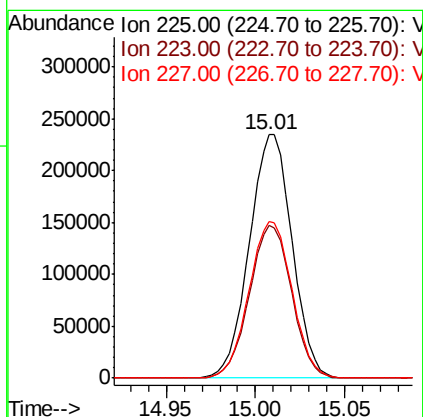
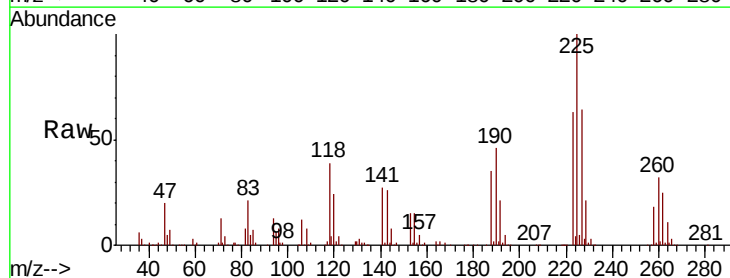
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

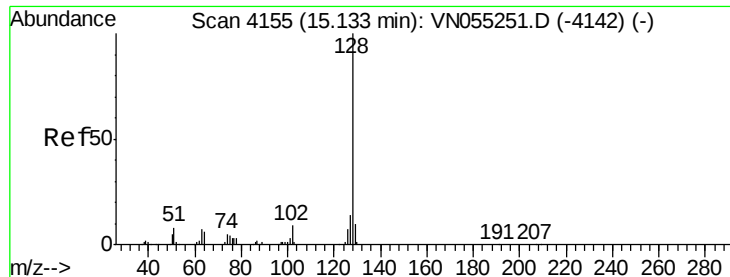
Tot Ion:180 Resp: 636743
 Ion Ratio Lower Upper
 180 100
 182 95.2 74.8 112.2
 145 29.0 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 151.540 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055254.D
 Acq: 25 Apr 2019 19:40

Tgt Ion:225 Resp: 393211
 Ion Ratio Lower Upper
 225 100
 223 62.1 0.0 125.2
 227 64.6 0.0 128.4





#91

Naphthalene

Concen: 203.209 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

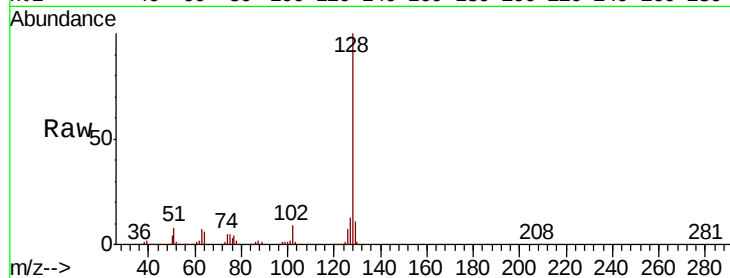
Tot Ion:128 Resp: 1515647

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

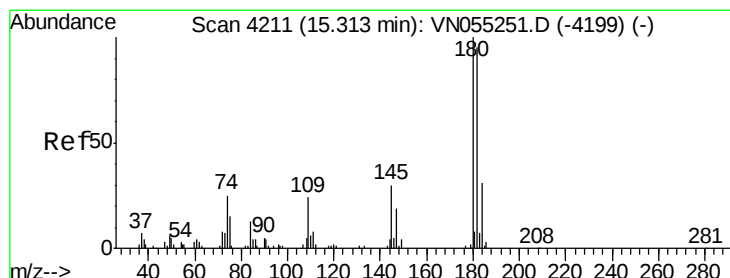
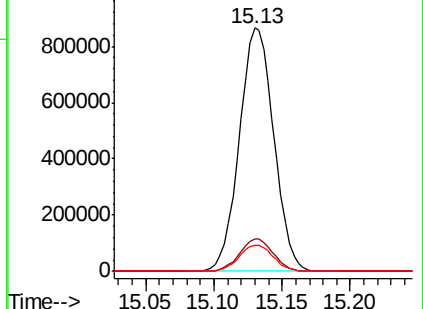
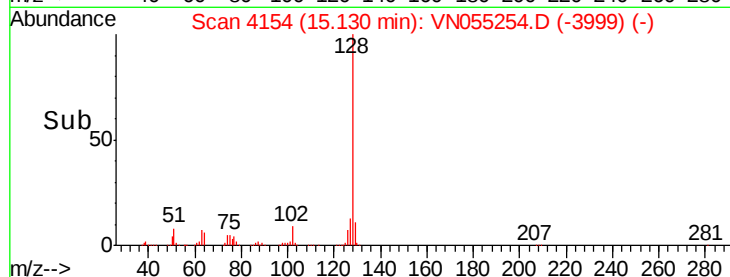
129 10.8 8.0 12.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 180.346 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055254.D

Acq: 25 Apr 2019 19:40

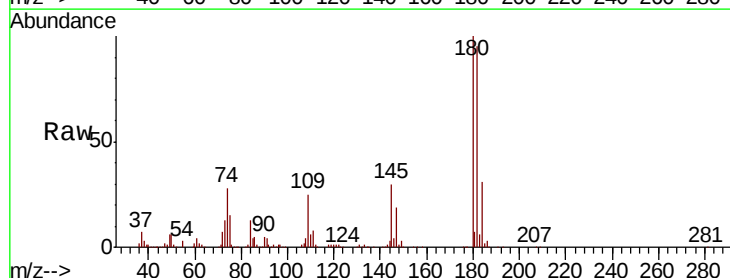
Tgt Ion:180 Resp: 634523

Ion Ratio Lower Upper

180 100

182 94.8 0.0 188.0

145 30.6 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

