

Data File : VN052459.D
Acq On : 26 Nov 2018 14:40
Operator : MD\SY
Sample : VSTDICC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Nov 27 00:36:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:15:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	181896	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1037024	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	939222	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	361749	29.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.30%
60) 4-Bromofluorobenzene	12.40	95	438686	30.53	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.77%
63) Toluene-d8	10.09	98	1278105	29.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.83%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1507404	145.508	ug/l	100
3) Chloromethane	2.06	50	2009519	146.263	ug/l	100
4) Vinyl Chloride	2.19	62	2043685	147.380	ug/l	97
5) Bromomethane	2.56	94	1193528	150.954	ug/l	97
6) Chloroethane	2.71	64	1210957	146.848	ug/l	100
7) Trichlorofluoromethane	3.02	101	2516157	147.027	ug/l	99
8) Diethyl Ether	3.41	74	960650	152.022	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1565778	144.328	ug/l	98
10) 1,1-Dichloroethene	3.74	96	1534836	150.470	ug/l	98
11) Methyl Iodide	3.96	142	2327141	164.318	ug/l	99
12) Methyl Acetate	4.32	43	1346589	155.373	ug/l	99
13) Acrolein	3.61	56	863374	848.056	ug/l	99
14) Acrylonitrile	4.99	53	2863448	775.415	ug/l	98
15) Acetone	3.82	58	697852	729.703	ug/l	99
16) Carbon Disulfide	4.06	76	4864473	150.630	ug/l	100
17) Allyl chloride	4.33	41	2671796	150.194	ug/l	99
18) Methylene Chloride	4.55	84	1720658	145.689	ug/l	99
19) trans-1,2-Dichloroethene	5.05	96	1650034	150.314	ug/l	99
20) Diisopropyl ether	5.95	45	5612897	150.144	ug/l	96
21) 1,1-Dichloroethane	5.85	63	3187627	149.606	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	1895188	150.642	ug/l	99
23) tert-Butyl Alcohol	4.78	59	463773	844.238	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	4162596	155.556	ug/l	98
25) Chloroform	7.37	83	3031898	147.499	ug/l	100
26) Cyclohexane	7.66	56	3031877	150.872	ug/l #	100
29) 1,1-Dichloropropene	7.80	75	2448176	154.592	ug/l	100
30) 2-Butanone	6.83	43	3321470	783.815	ug/l	100
31) 2,2-Dichloropropane	6.83	77	2301677	157.872	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	2546745	154.552	ug/l	98
33) Carbon Tetrachloride	7.78	117	2240702	155.409	ug/l	100
34) Benzene	8.04	78	7225200	151.748	ug/l #	91
35) Methacrylonitrile	7.17	41	848883	116.068	ug/l	98
36) 1,2-Dichloroethane	8.13	62	2183278	151.322	ug/l	100
37) Trichloroethene	8.84	130	1841228	152.501	ug/l	98
38) Methylcyclohexane	9.08	83	3011742	153.629	ug/l	98
39) 1,2-Dichloropropane	9.12	63	1947919	152.623	ug/l	97
40) Dibromomethane	9.21	93	1061929	153.970	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	2356068	154.618	ug/l	98
42) Vinyl Acetate	5.90	43	18650893	813.458	ug/l	99
43) Ethyl Acetate	6.93	43	1436871	76.224	ug/l #	66
44) Isopropyl Acetate	8.16	43	2616945	165.597	ug/l #	79
45) 1,4-Dioxane	9.20	88	282061	3262.591	ug/l	96
46) Methyl methacrylate	9.20	41	1374046	167.460	ug/l	98
47) n-amyl Acetate	12.07	43	2293872	175.067	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	2483373	168.079	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	2905932	161.431	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	1499352	153.363	ug/l	99
51) Ethyl methacrylate	10.43	69	2047675	166.766	ug/l	98
52) 1,3-Dichloropropane	10.71	76	2666112	153.209	ug/l	100
53) Dibromochloromethane	10.90	129	1713117	159.160	ug/l	97
54) 1,2-Dibromoethane	11.01	107	1528126	159.958	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	5790056	805.583	ug/l	100
56) Bromoform	12.13	173	1147534	163.108	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	7099225	779.662	ug/l	100
59) 2-Hexanone	10.75	43	4843488	778.684	ug/l	99
61) Tetrachloroethene	10.63	164	1670340	144.397	ug/l	98
62) Toluene	10.16	91	7693108	148.583	ug/l	100
64) Chlorobenzene	11.44	112	4768887	150.901	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	1685271	153.631	ug/l	99
66) Ethyl Benzene	11.51	91	8516520	152.617	ug/l	99
67) m/p-Xylenes	11.62	106	6307484	303.393	ug/l	100
68) o-Xylene	11.95	106	3064759	151.883	ug/l	99
69) Styrene	11.97	104	5075922	155.848	ug/l	100
70) Isopropylbenzene	12.25	105	8137454	151.568	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	1792108	153.448	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	2330610	238.970	ug/l	47
73) Bromobenzene	12.53	156	2003983	154.331	ug/l	99
74) n-propylbenzene	12.59	91	9594826	153.382	ug/l	99
75) 2-Chlorotoluene	12.68	91	5521591	152.069	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	6584743	151.845	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	553507	174.771	ug/l	93
78) 4-Chlorotoluene	12.78	91	5634769	155.399	ug/l	100
79) tert-butylbenzene	12.99	119	5728165	151.676	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	6690202	154.182	ug/l	100
81) sec-Butylbenzene	13.17	105	8028388	152.624	ug/l	100
82) p-Isopropyltoluene	13.29	119	6970909	155.628	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	3573612	156.481	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	3507644	158.972	ug/l	99
85) n-Butylbenzene	13.62	91	6242131	162.237	ug/l	99
86) Hexachloroethane	13.88	117	1203732	158.608	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	3328826	153.173	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	272535	166.593	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	1954955	182.585	ug/l	99
90) Hexachlorobutadiene	15.01	225	1051667	149.729	ug/l	100
91) Naphthalene	15.13	128	4048734	187.251	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	1769463	179.328	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Nov 27 00:15:57 2018
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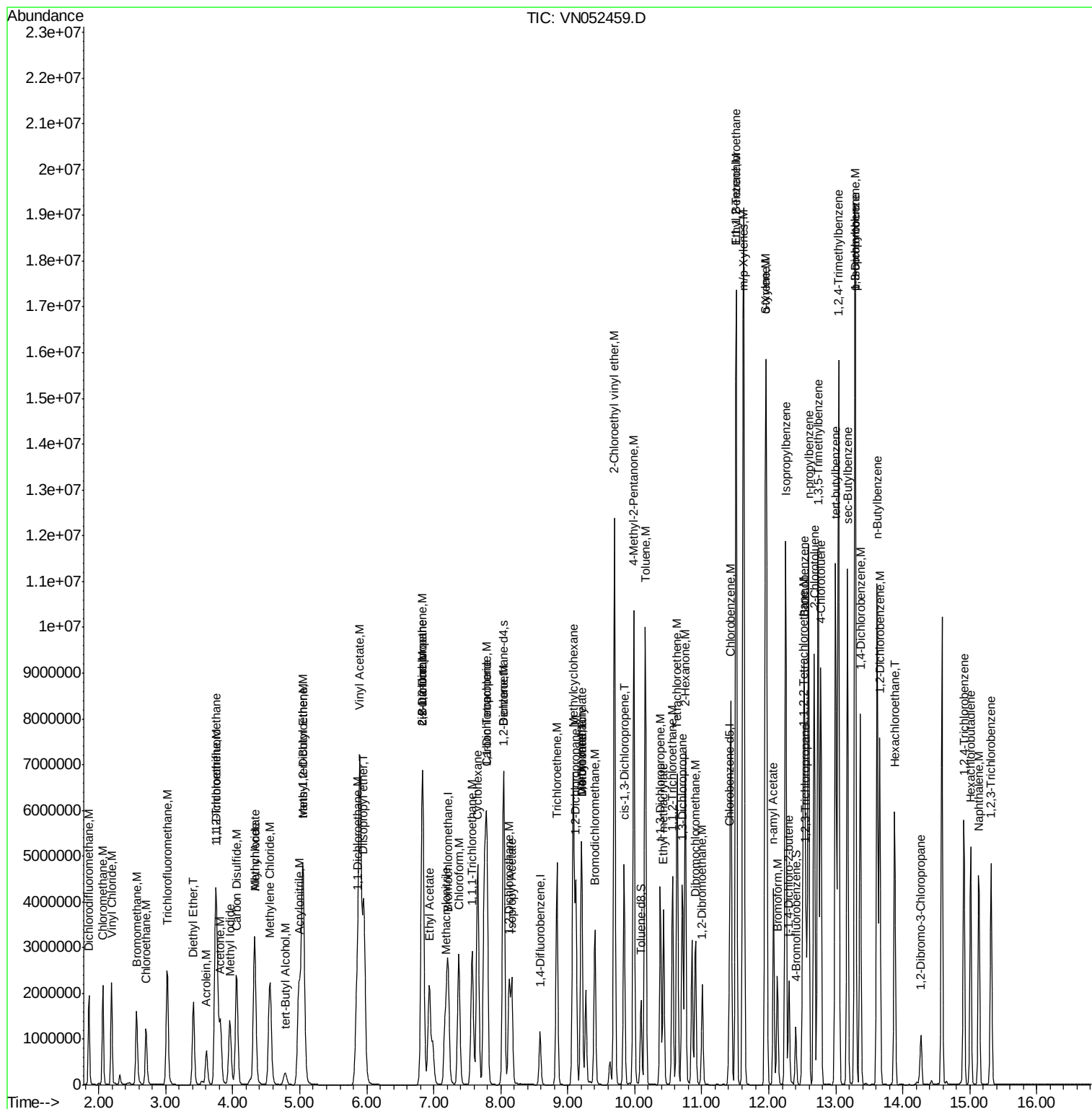
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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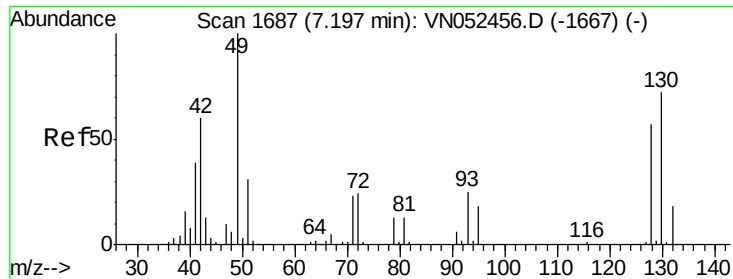
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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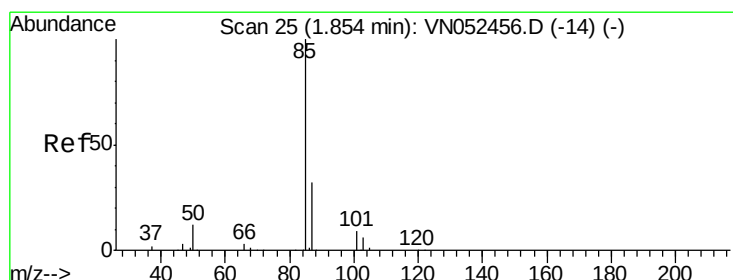
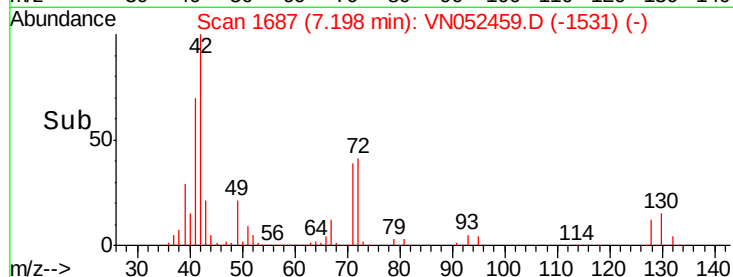
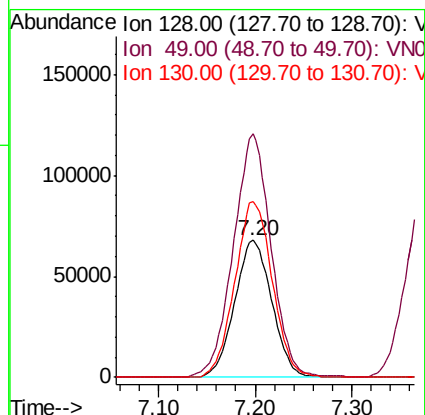
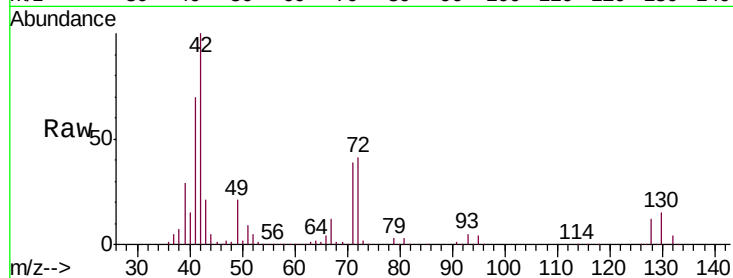




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

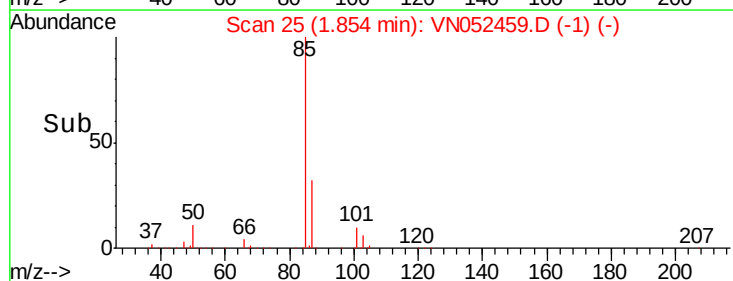
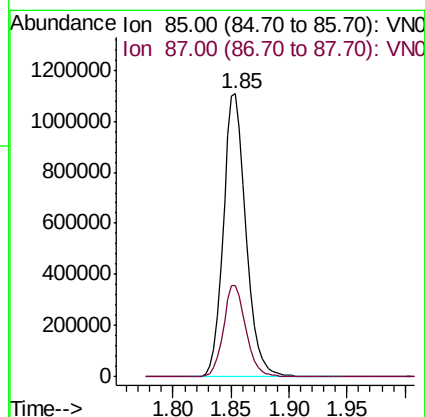
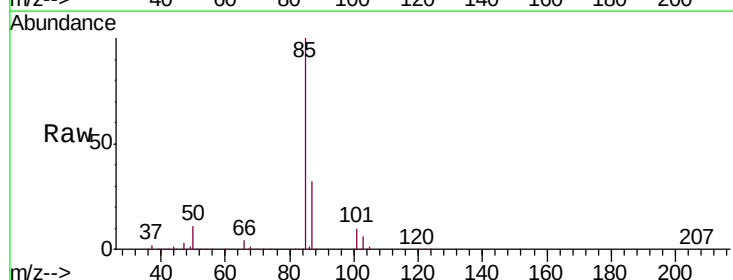
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

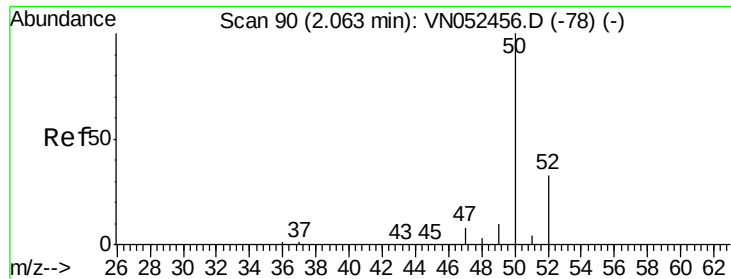
Tgt Ion:128 Resp: 181896
 Ion Ratio Lower Upper
 128 100
 49 178.8 0.0 431.8
 130 129.4 0.0 317.0



#2
 Dichlorodifluoromethane
 Concen: 145.508 ug/l
 RT: 1.85 min Scan# 25
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion: 85 Resp: 1507404
 Ion Ratio Lower Upper
 85 100
 87 32.4 16.1 48.3





#3

Chloromethane

Concen: 146.263 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

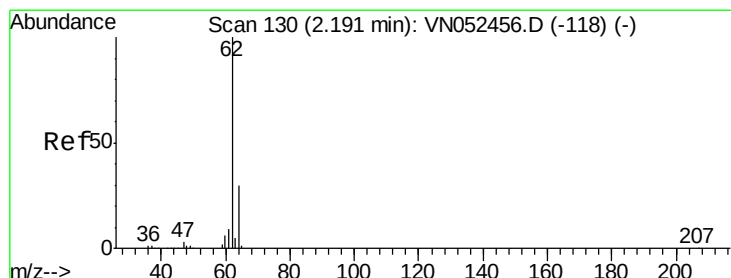
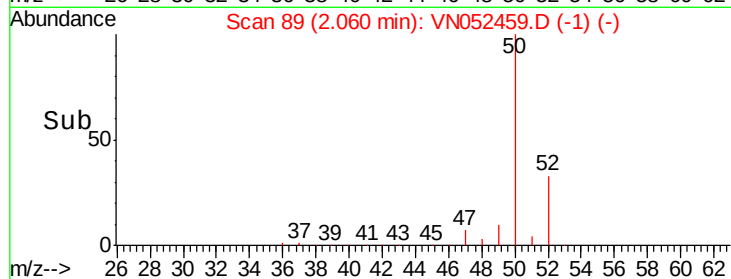
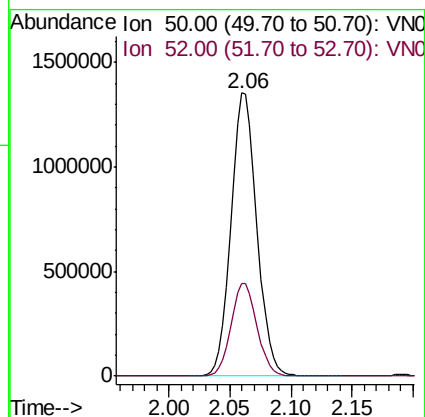
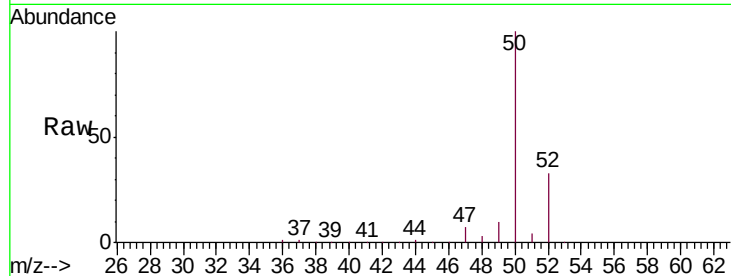
VSTDIC150

Tgt Ion: 50 Resp: 2009519

Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7



#4

Vinyl Chloride

Concen: 147.380 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052459.D

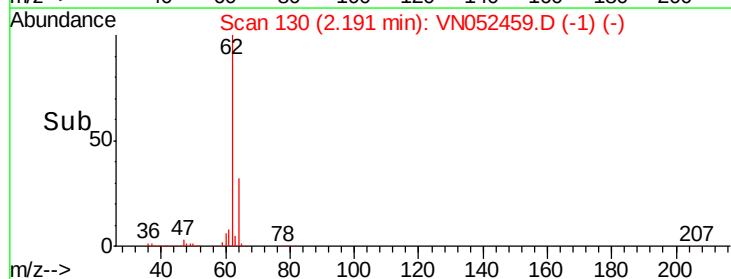
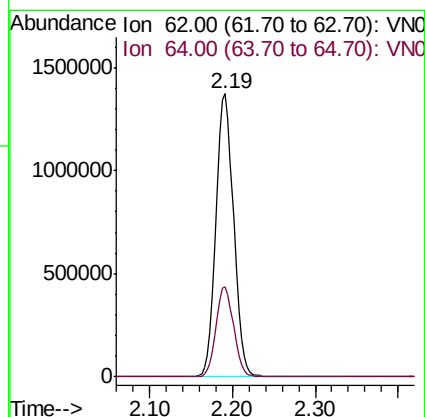
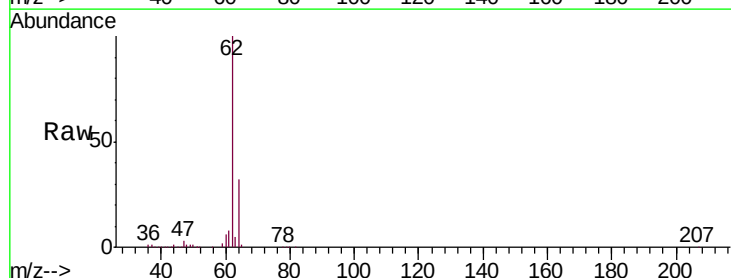
Acq: 26 Nov 2018 14:40

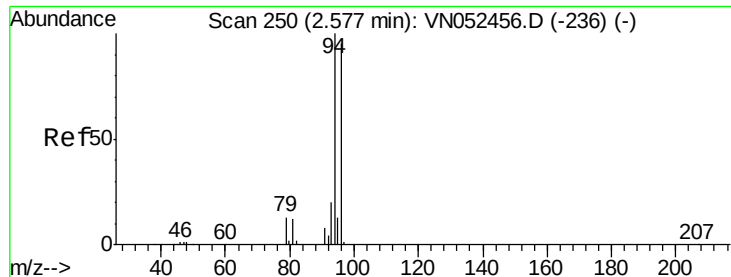
Tgt Ion: 62 Resp: 2043685

Ion Ratio Lower Upper

62 100

64 32.0 24.2 36.4





#5

Bromomethane

Concen: 150.954 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

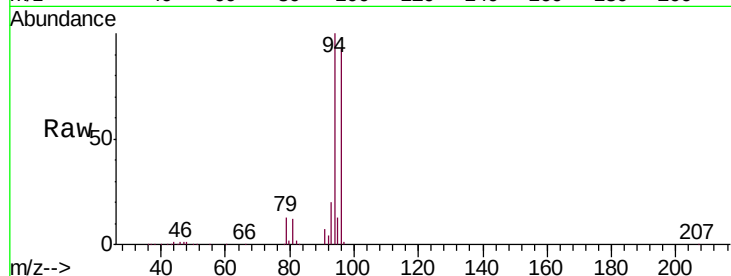
VSTDIC150

Tgt Ion: 94 Resp: 1193528

Ion Ratio Lower Upper

94 100

96 92.7 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN052459.D (-94) (-)

Ion 96.00 (95.70 to 96.70): VN052459.D (-96) (-)

2.56

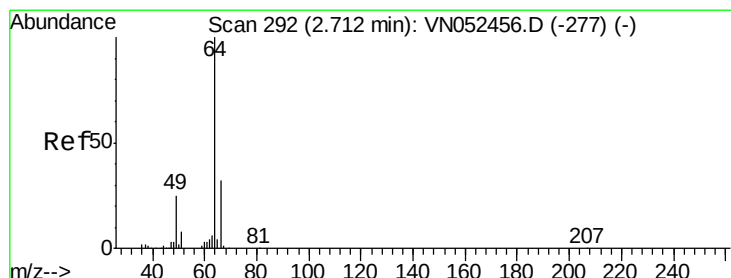
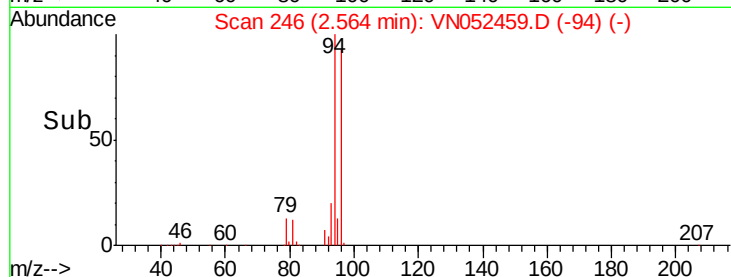
600000

400000

200000

0

Time-->



#6

Chloroethane

Concen: 146.848 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.01 min

Lab File: VN052459.D

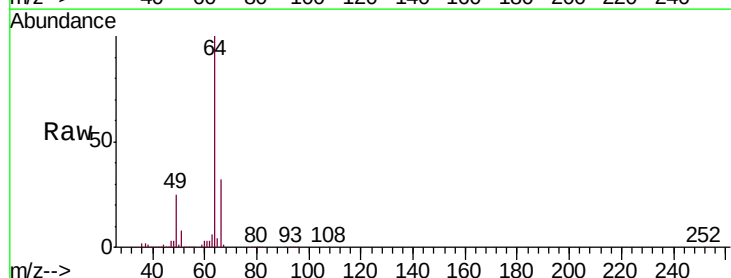
Acq: 26 Nov 2018 14:40

Tgt Ion: 64 Resp: 1210957

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN052459.D (-136) (-)

Ion 66.00 (65.70 to 66.70): VN052459.D (-136) (-)

2.71

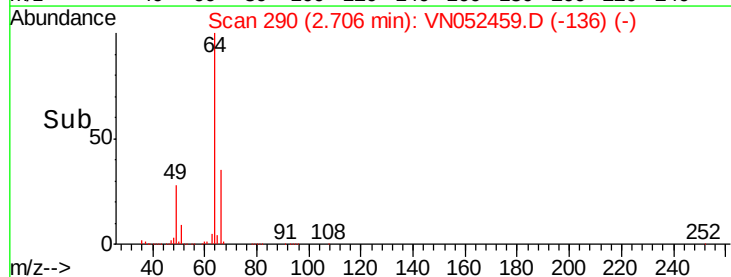
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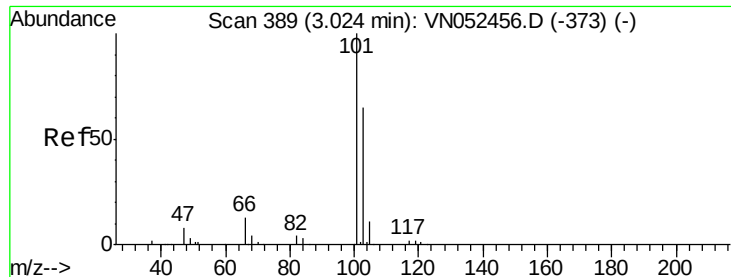
400000

200000

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Time-->



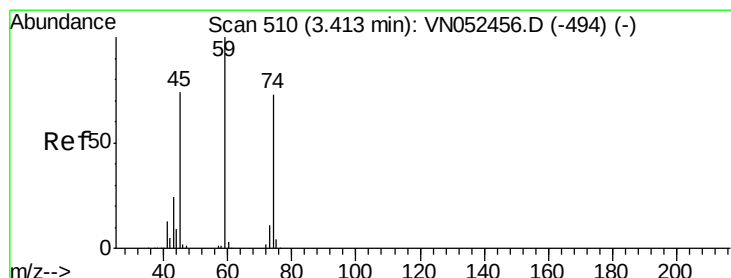
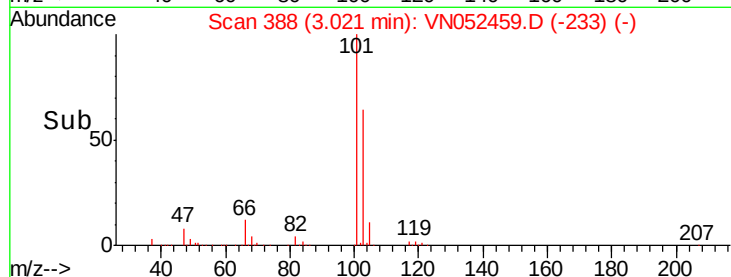
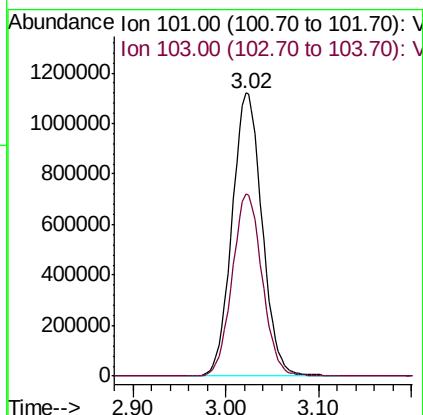
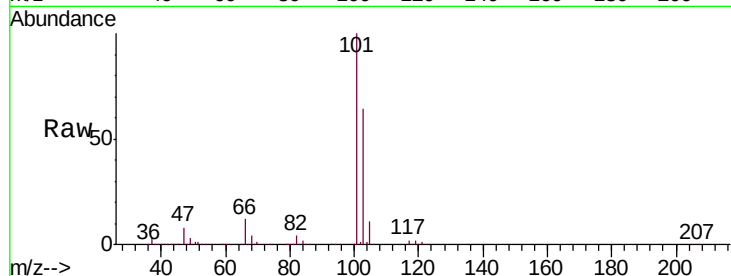


#7

Trichlorofluoromethane
 Concen: 147.027 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
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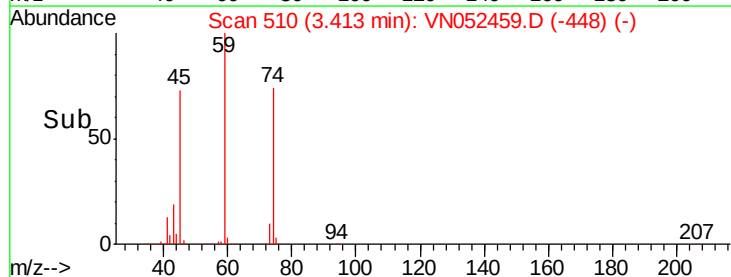
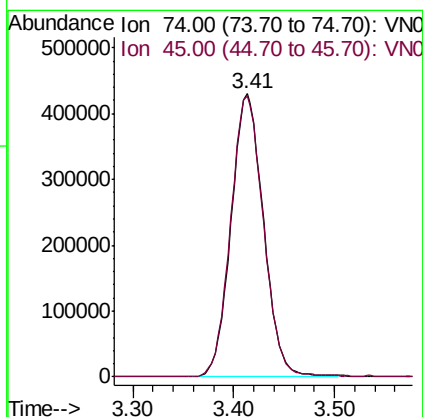
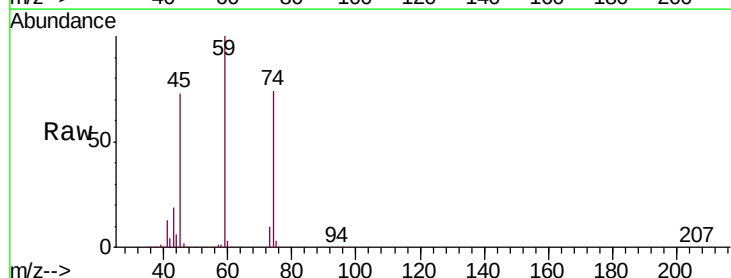
Tgt Ion:101 Resp: 2516157
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.1 78.1

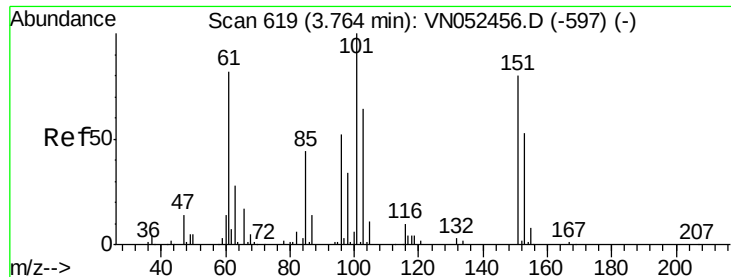


#8

Diethyl Ether
 Concen: 152.022 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion: 74 Resp: 960650
 Ion Ratio Lower Upper
 74 100
 45 100.1 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.328 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

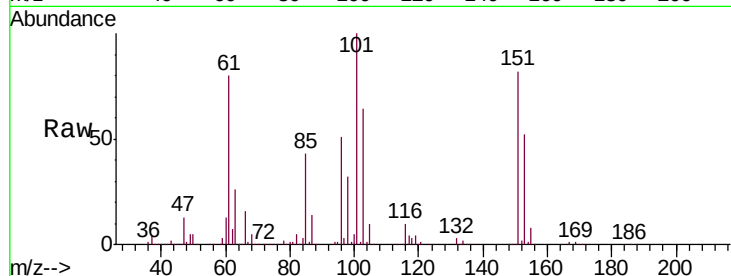
Tgt Ion:101 Resp: 1565778

Ion Ratio Lower Upper

101 100

85 42.7 0.0 82.6

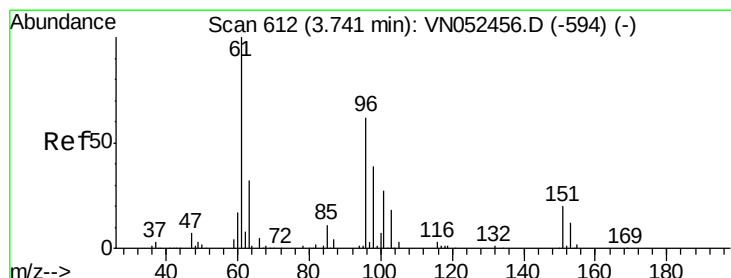
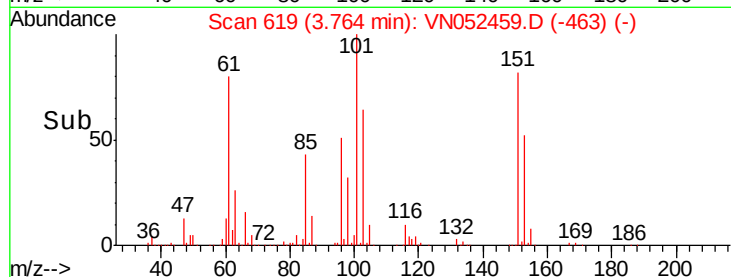
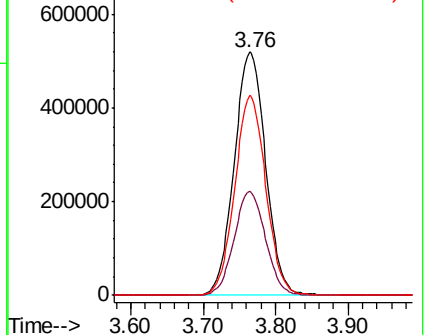
151 81.1 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 150.470 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

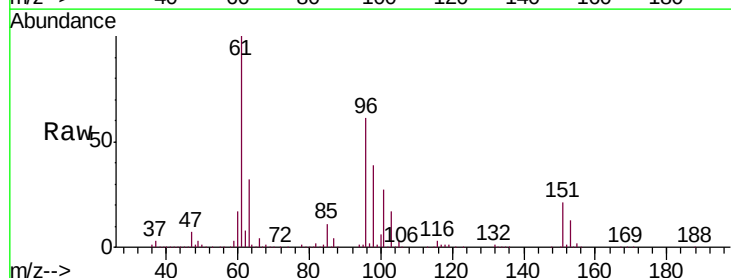
Tgt Ion: 96 Resp: 1534836

Ion Ratio Lower Upper

96 100

61 164.2 129.4 194.2

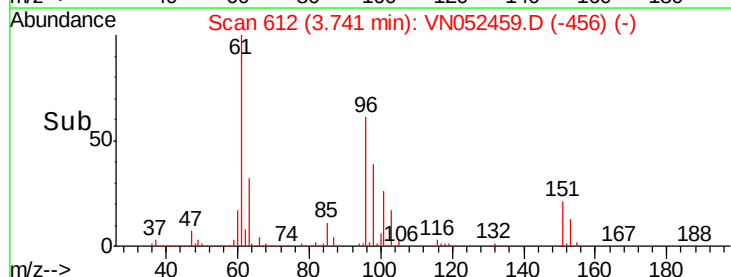
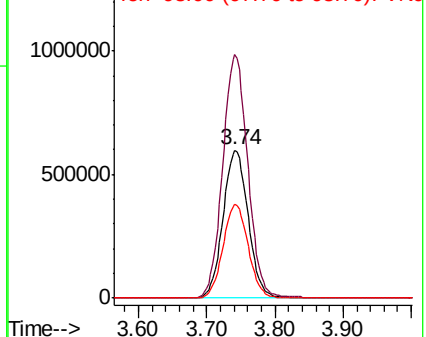
98 63.5 50.4 75.6

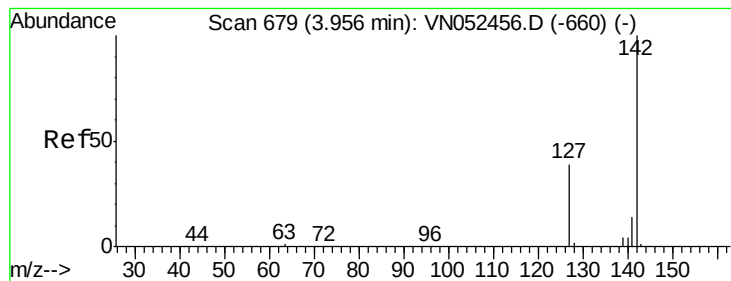


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

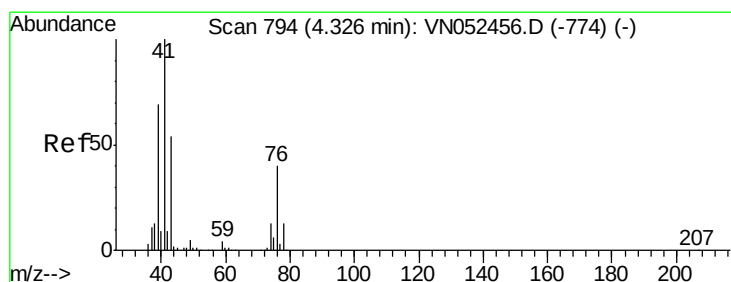
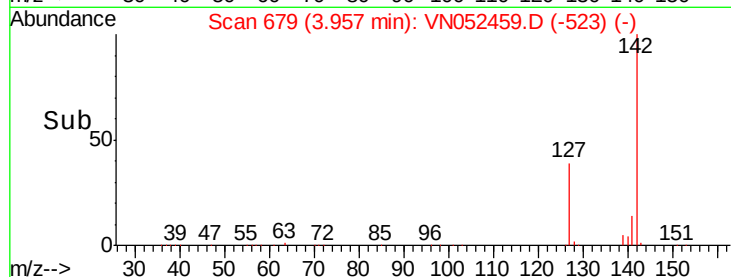
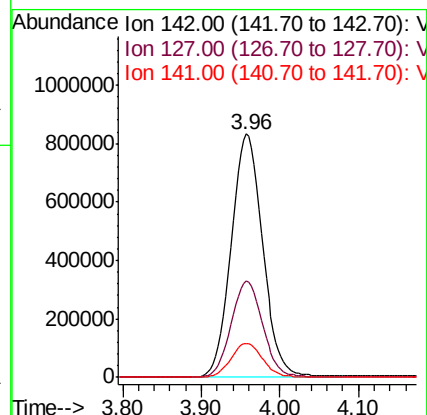
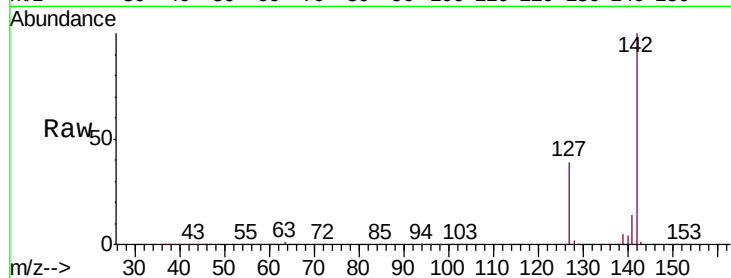




#11
Methyl Iodide
Concen: 164.318 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052459.D
Acq: 26 Nov 2018 14:40

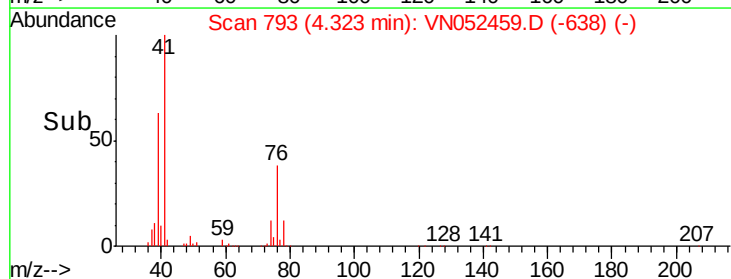
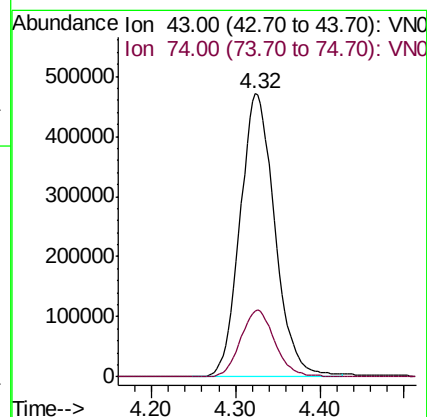
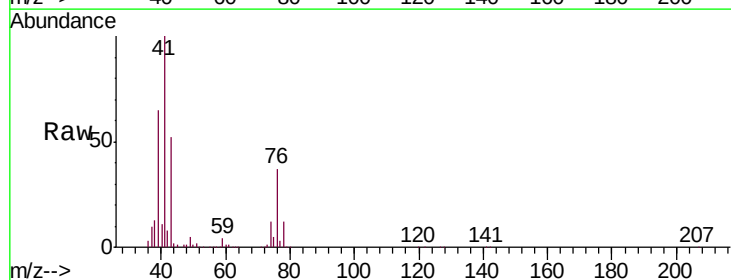
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

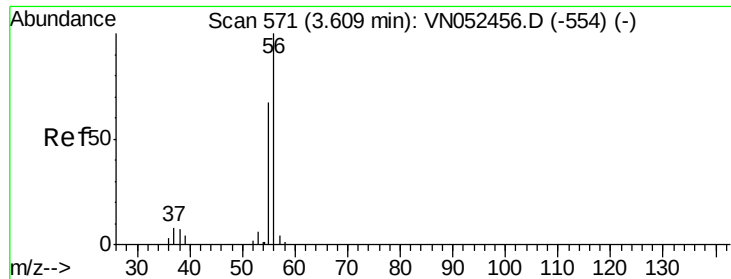
Tgt Ion:142 Resp: 2327141
Ion Ratio Lower Upper
142 100
127 39.5 19.4 58.1
141 14.0 7.2 21.6



#12
Methyl Acetate
Concen: 155.373 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052459.D
Acq: 26 Nov 2018 14:40

Tgt Ion: 43 Resp: 1346589
Ion Ratio Lower Upper
43 100
74 23.2 18.9 28.3





#13

Acrolein

Concen: 848.056 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

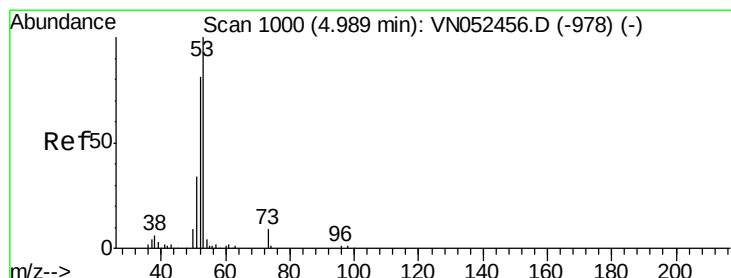
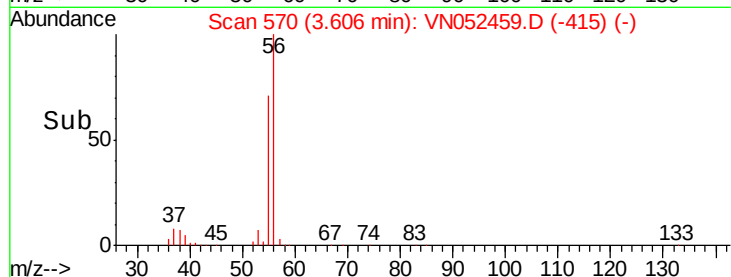
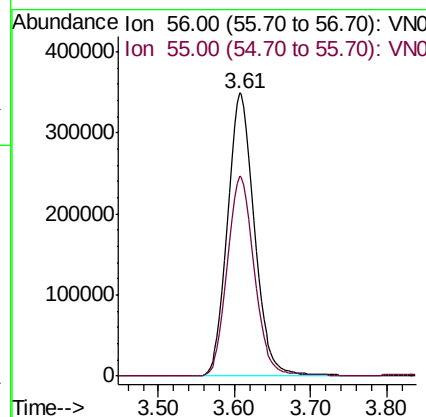
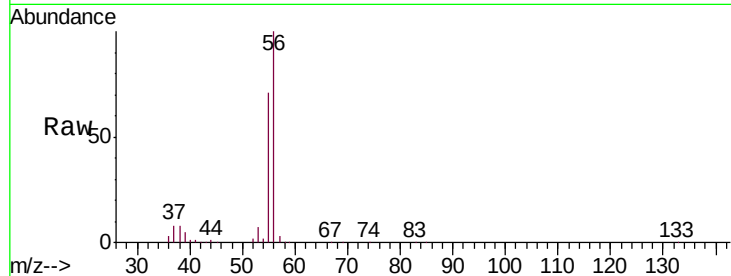
VSTDIC150

Tgt Ion: 56 Resp: 863374

Ion Ratio Lower Upper

56 100

55 70.5 56.7 85.1



#14

Acrylonitrile

Concen: 775.415 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

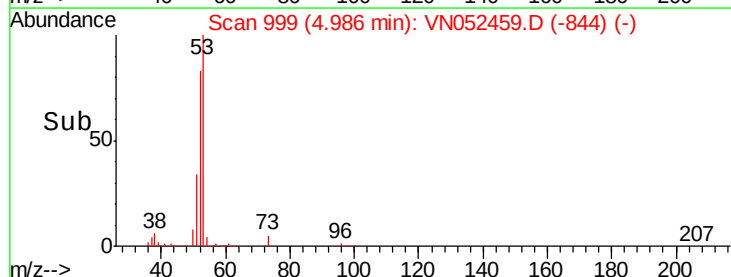
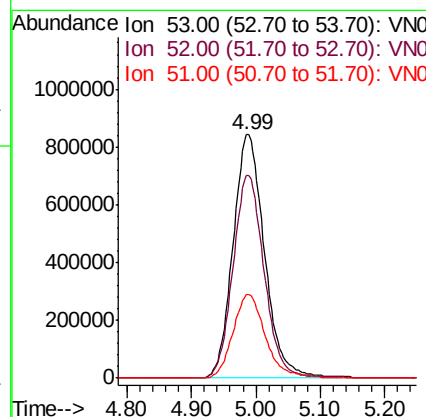
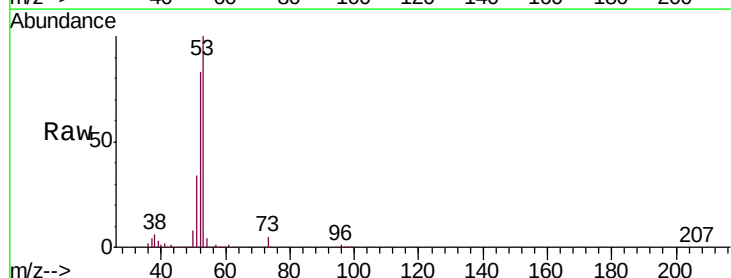
Tgt Ion: 53 Resp: 2863448

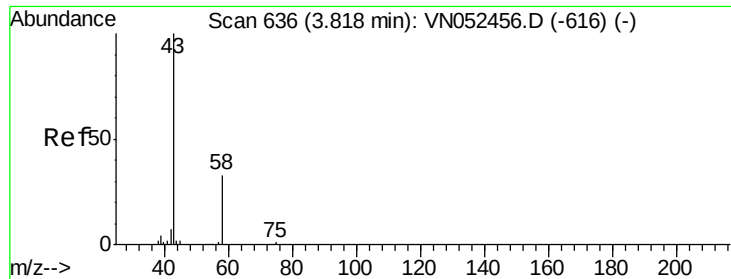
Ion Ratio Lower Upper

53 100

52 82.4 39.9 119.7

51 35.4 17.6 52.9





#15

Acetone

Concen: 729.703 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

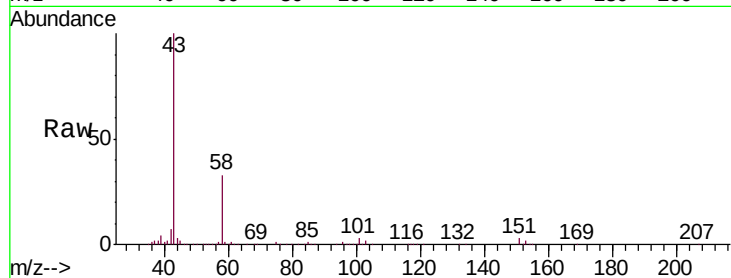
VSTDIC150

Tgt Ion: 58 Resp: 697852

Ion Ratio Lower Upper

58 100

43 306.5 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

800000

600000

400000

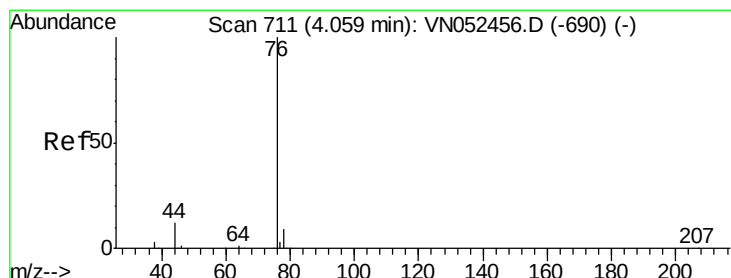
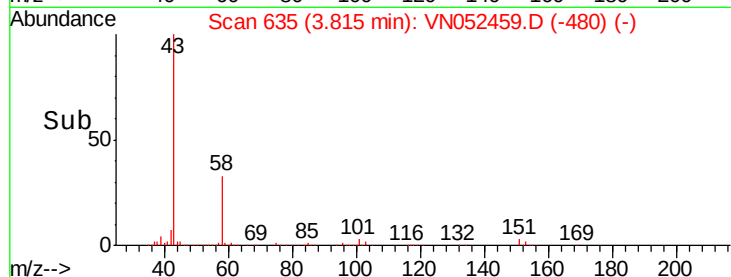
200000

0

3.70 3.80 3.90

3.82

Time-->



#16

Carbon Disulfide

Concen: 150.630 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052459.D

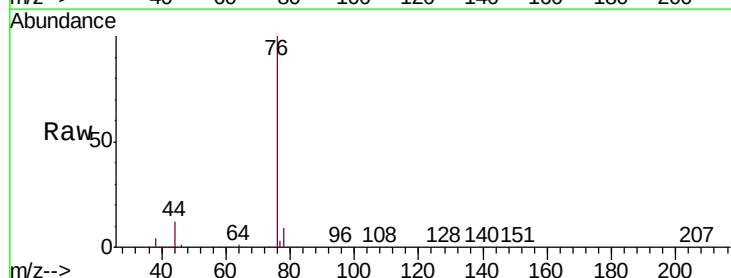
Acq: 26 Nov 2018 14:40

Tgt Ion: 76 Resp: 4864473

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

2000000

1500000

1000000

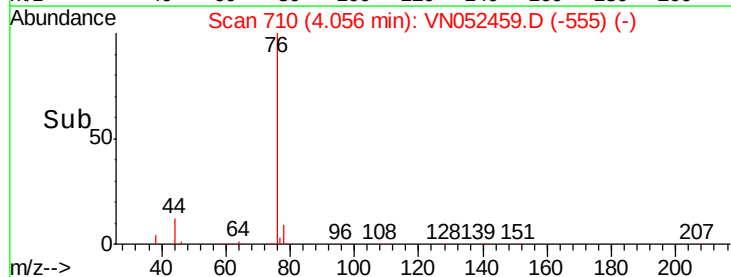
500000

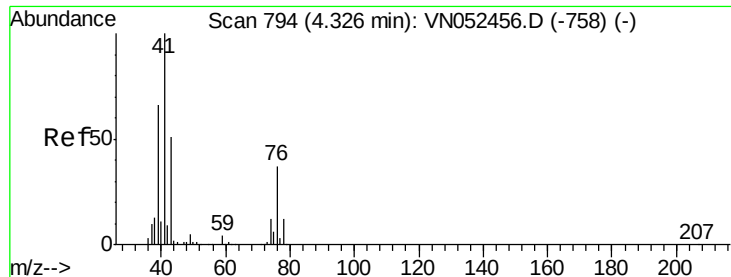
0

3.90 4.00 4.10 4.20

4.06

Time-->

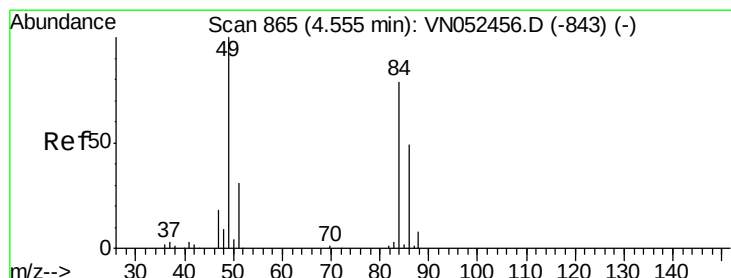
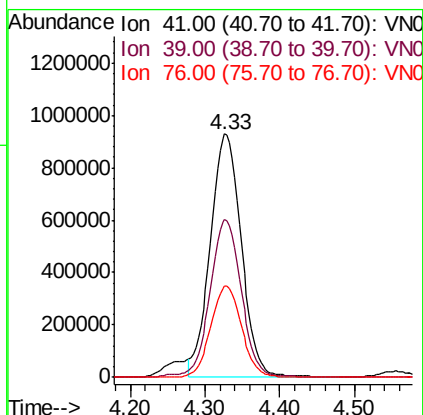
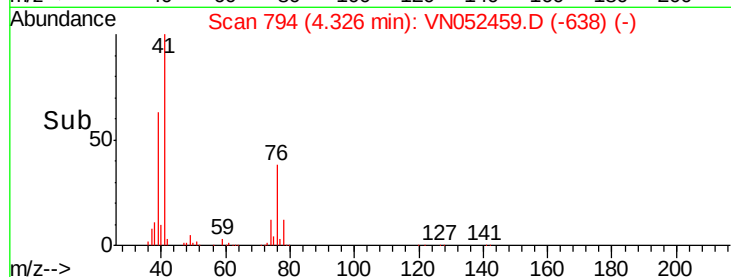
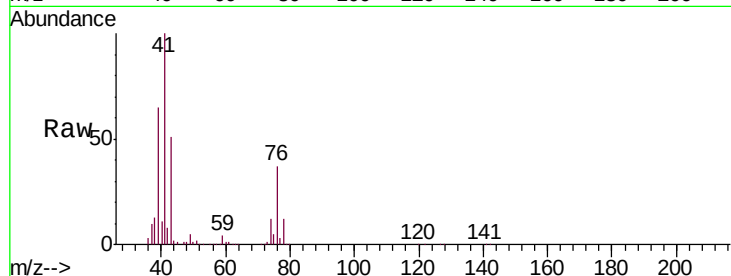




#17
 Allyl chloride
 Concen: 150.194 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

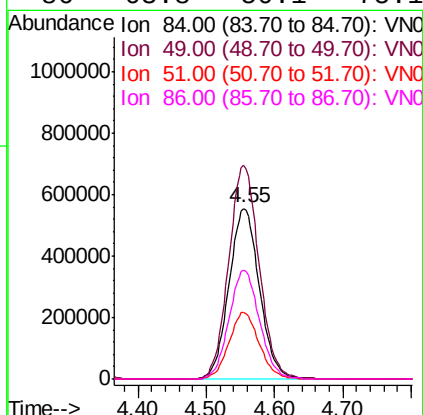
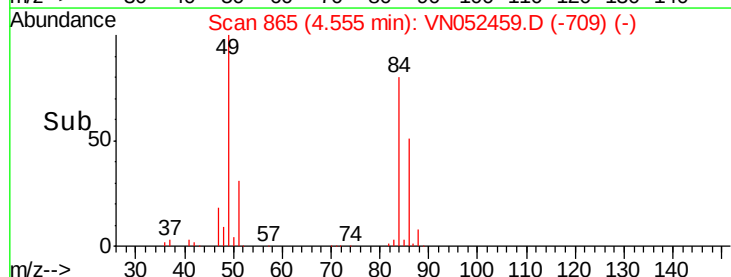
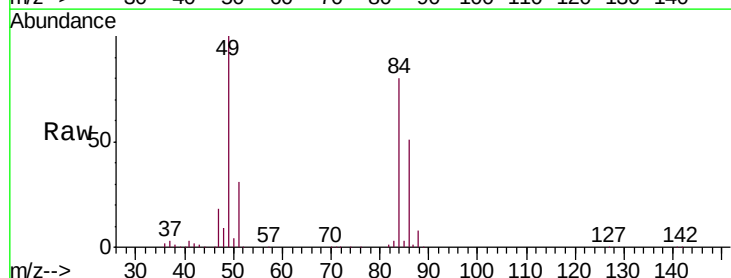
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

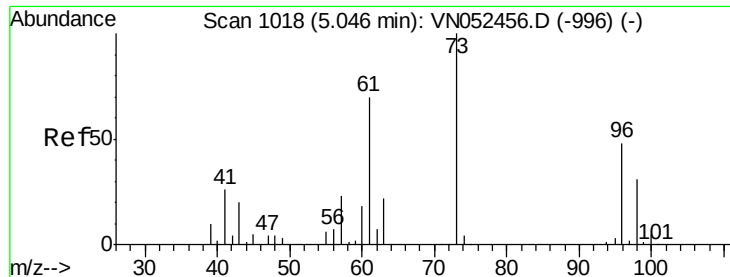
Tgt Ion: 41 Resp: 2671796
 Ion Ratio Lower Upper
 41 100
 39 65.0 32.8 98.3
 76 37.4 18.6 55.8



#18
 Methylene Chloride
 Concen: 145.689 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion: 84 Resp: 1720658
 Ion Ratio Lower Upper
 84 100
 49 125.0 101.4 152.0
 51 39.2 31.7 47.5
 86 63.8 50.1 75.1

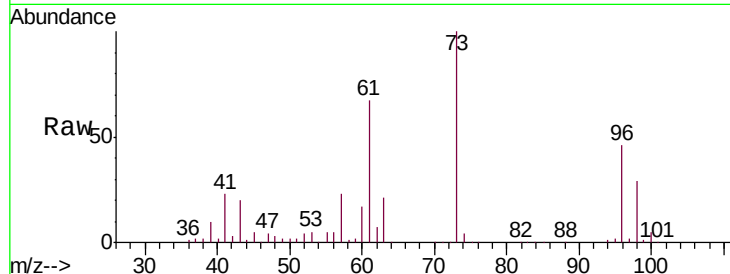




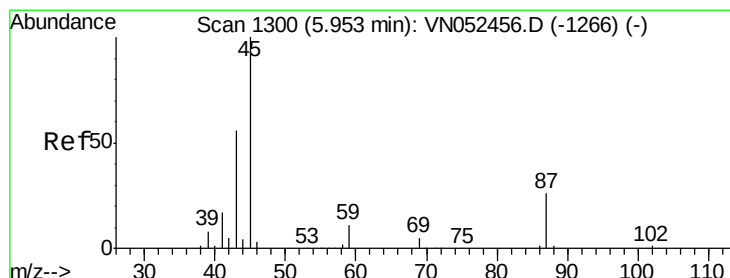
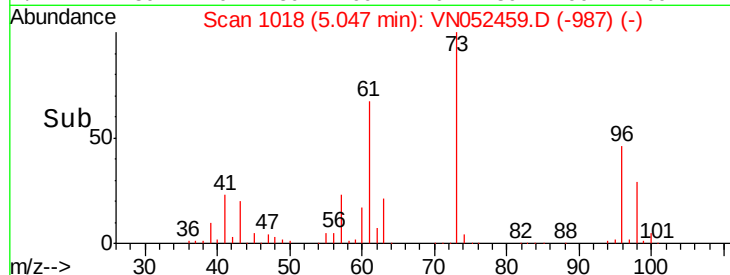
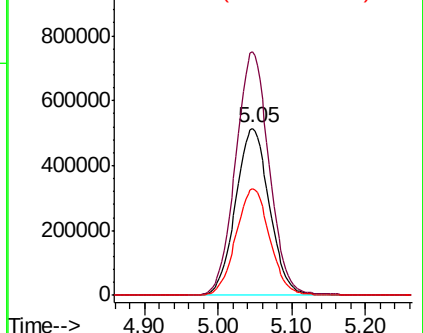
#19
trans-1,2-Dichloroethene
Concen: 150.314 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052459.D
Acq: 26 Nov 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 1650034
Ion Ratio Lower Upper
96 100
61 145.9 118.2 177.4
98 63.9 51.4 77.2

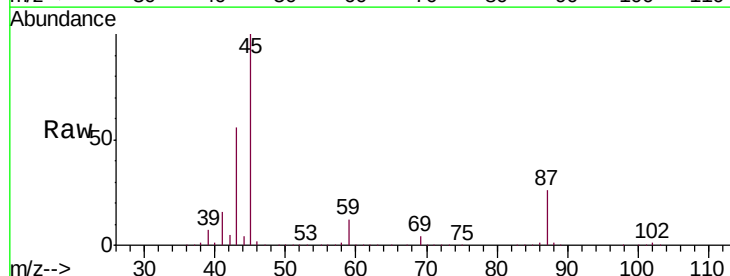


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

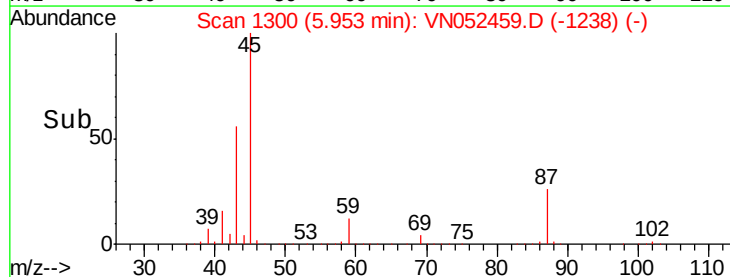
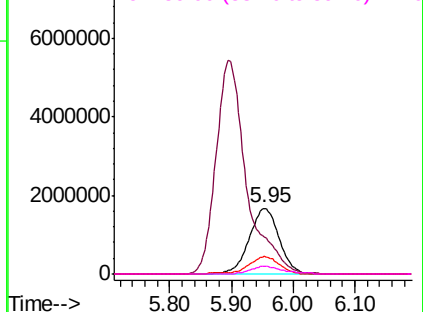


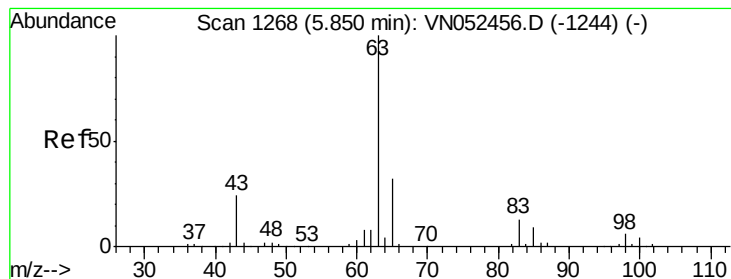
#20
Diisopropyl ether
Concen: 150.144 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052459.D
Acq: 26 Nov 2018 14:40

Tgt Ion: 45 Resp: 5612897
Ion Ratio Lower Upper
45 100
43 55.7 47.8 71.8
87 26.4 21.3 31.9
59 11.5 8.9 13.3



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: 149.606 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

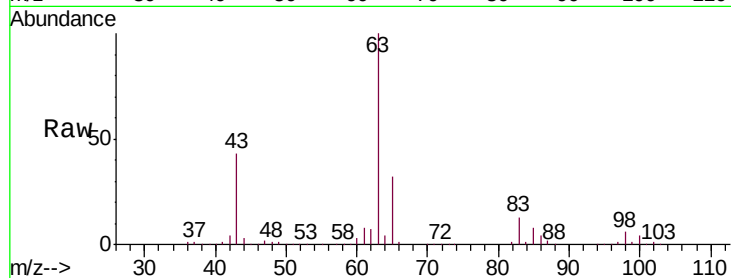
Tgt Ion: 63 Resp: 3187627

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

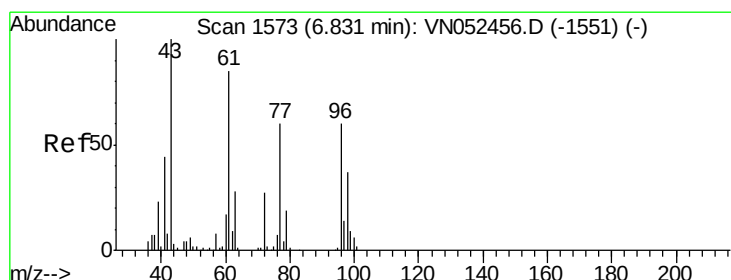
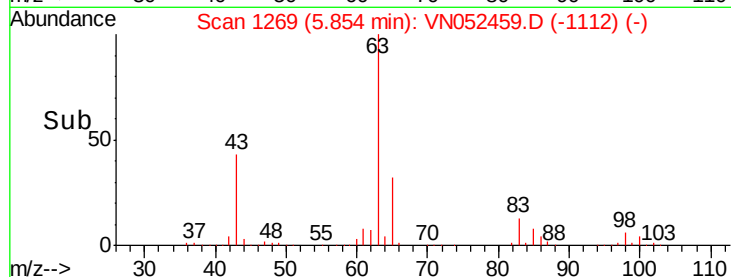
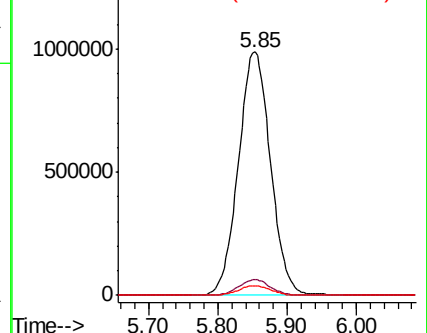
100 4.0 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN052456.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN052456.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 150.642 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

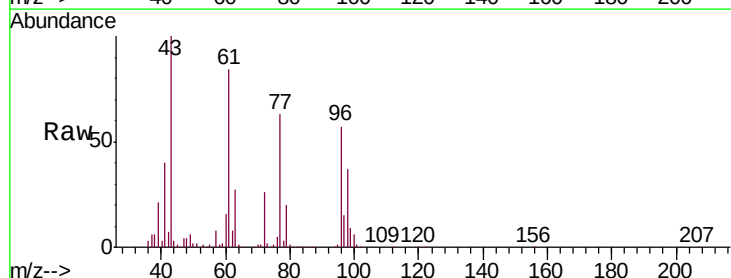
Tgt Ion: 96 Resp: 1895188

Ion Ratio Lower Upper

96 100

61 147.8 116.7 175.1

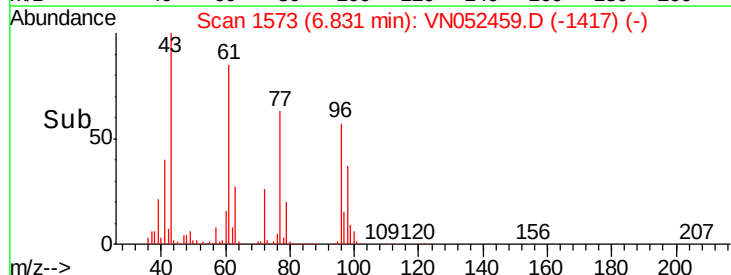
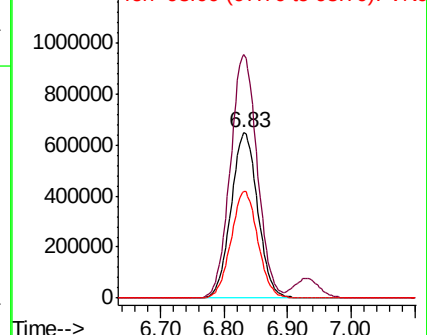
98 64.6 50.8 76.2

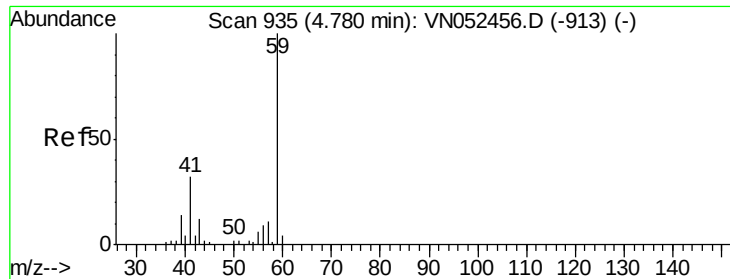


Abundance Ion 96.00 (95.70 to 96.70): VN052456.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN052456.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN052456.D (-1551) (-)

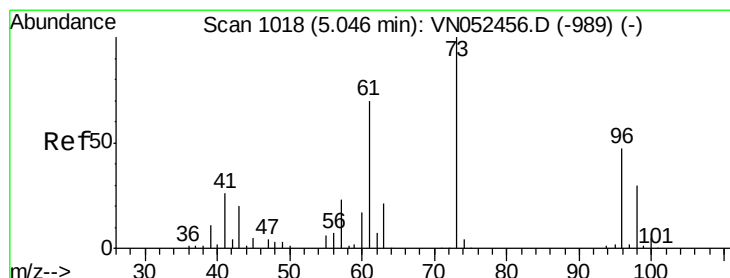
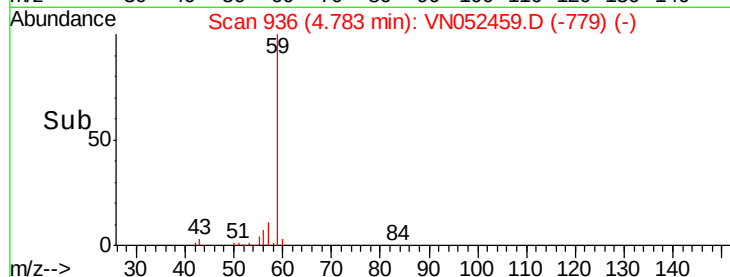
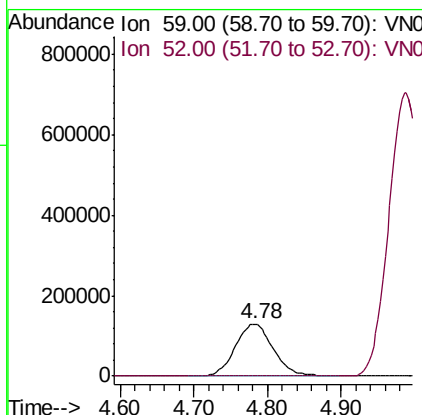
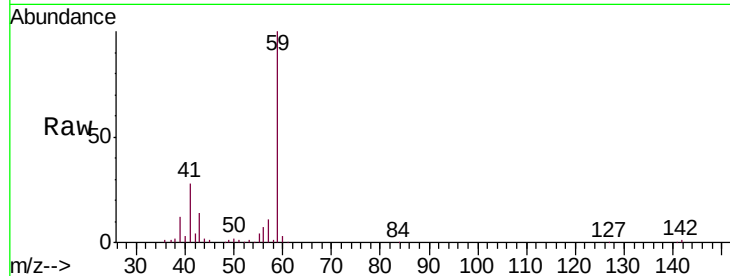




#23
 tert-Butyl Alcohol
 Concen: 844.238 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

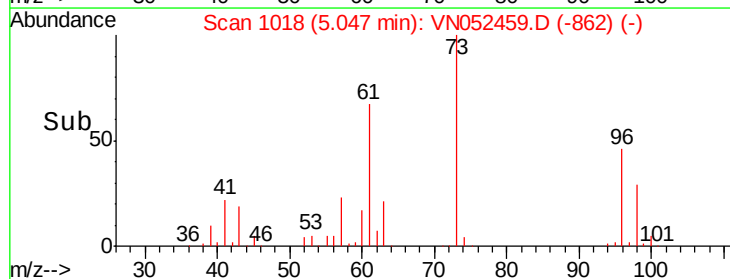
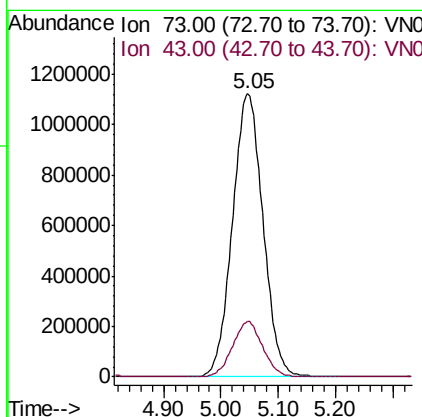
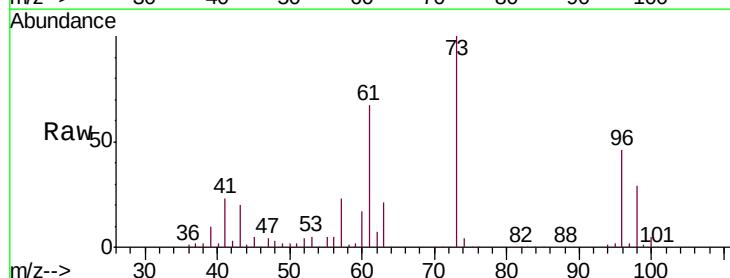
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

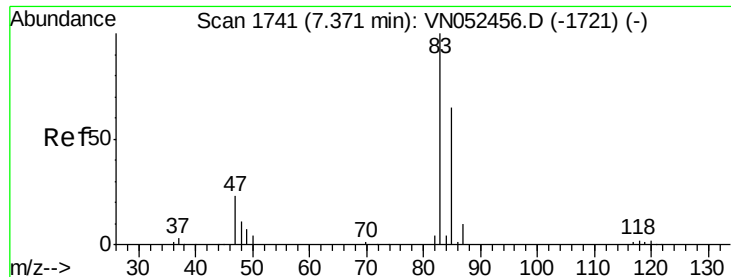
Tgt Ion: 59 Resp: 463773
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0#



#24
 Methyl tert-Butyl Ether
 Concen: 155.556 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion: 73 Resp: 4162596
 Ion Ratio Lower Upper
 73 100
 43 19.1 15.8 23.8

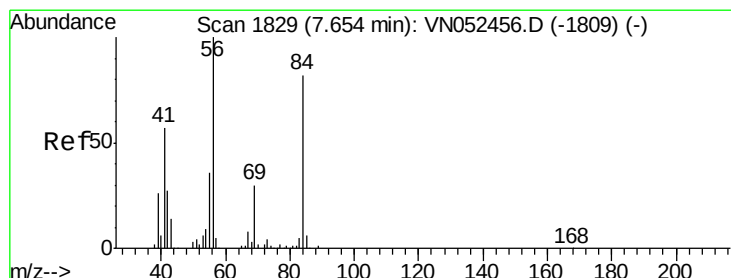
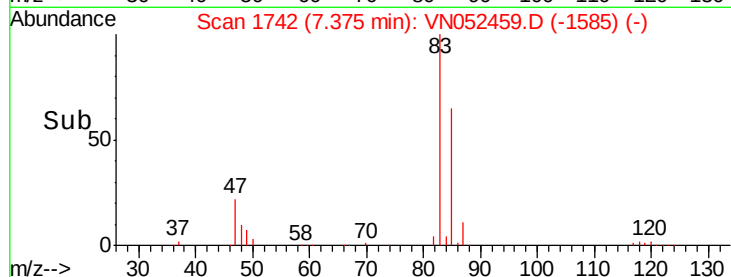
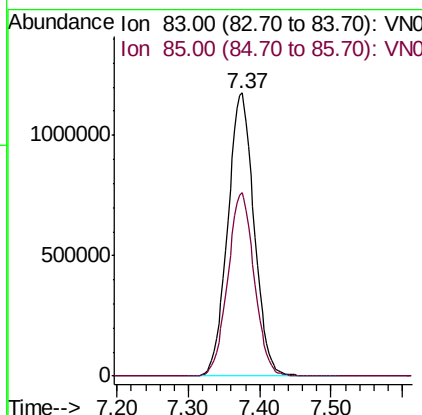
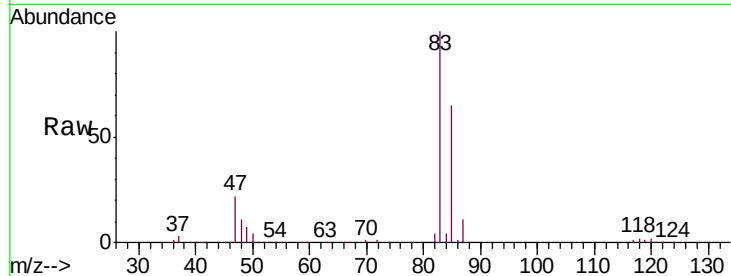




#25
Chloroform
Concen: 147.499 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052459.D
Acq: 26 Nov 2018 14:40

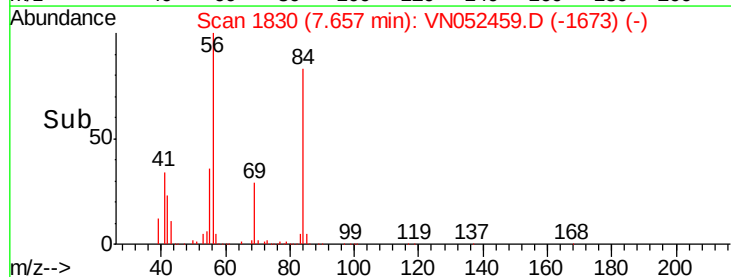
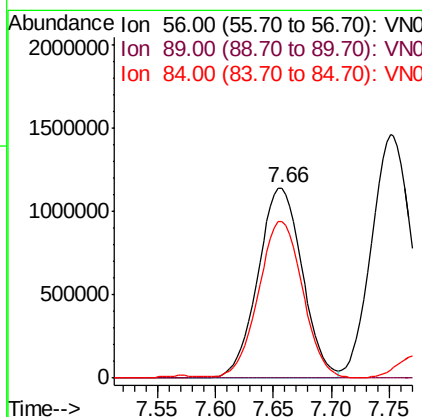
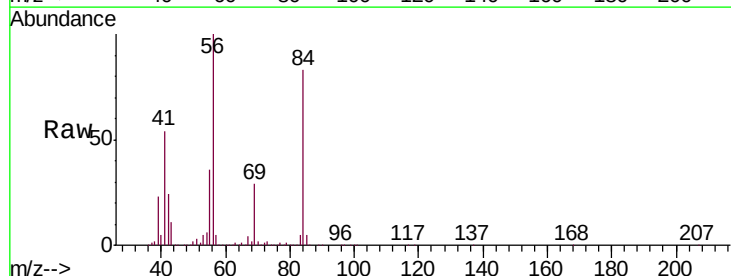
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

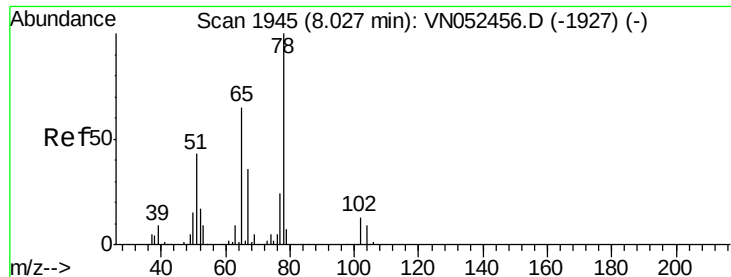
Tgt Ion: 83 Resp: 3031898
Ion Ratio Lower Upper
83 100
85 64.8 51.7 77.5



#26
Cyclohexane
Concen: 150.872 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052459.D
Acq: 26 Nov 2018 14:40

Tgt Ion: 56 Resp: 3031877
Ion Ratio Lower Upper
56 100
89 0.5 0.5 0.7#
84 82.3 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 150.872 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

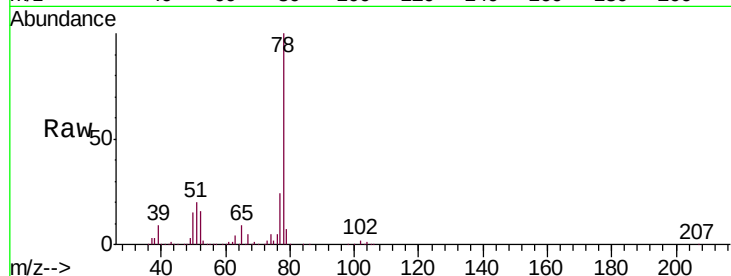
VSTDIC150

Tgt Ion: 65 Resp: 361749

Ion Ratio Lower Upper

65 100

67 55.4 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN052459.D (-1789) (-)

Ion 67.00 (66.70 to 67.70): VN052459.D (-1789) (-)

8.03

150000

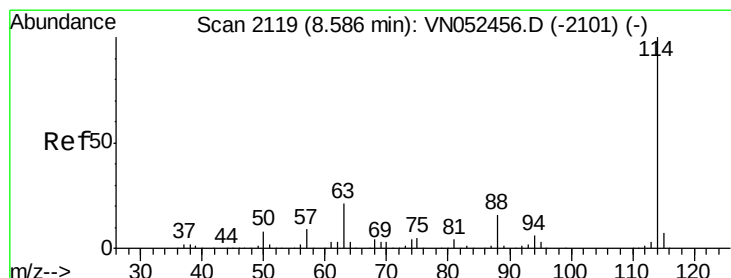
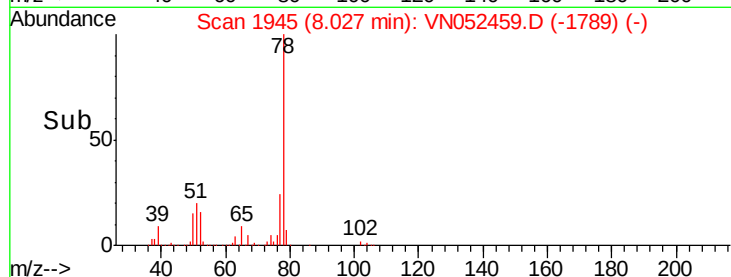
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

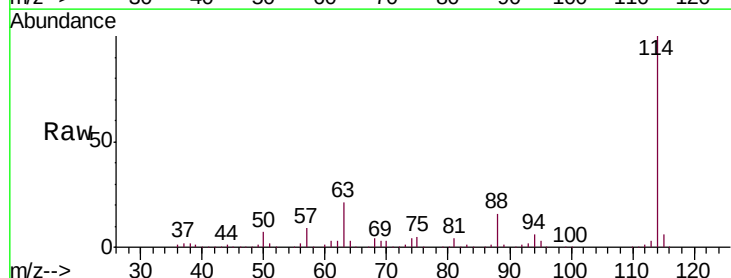
Tgt Ion: 114 Resp: 1037024

Ion Ratio Lower Upper

114 100

63 20.9 16.9 25.3

88 15.7 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN052459.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN052459.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN052459.D (-1963) (-)

8.59

600000

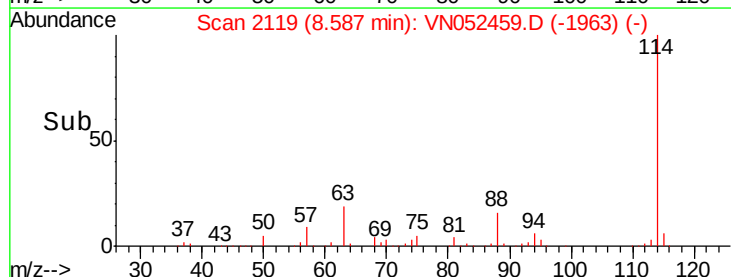
400000

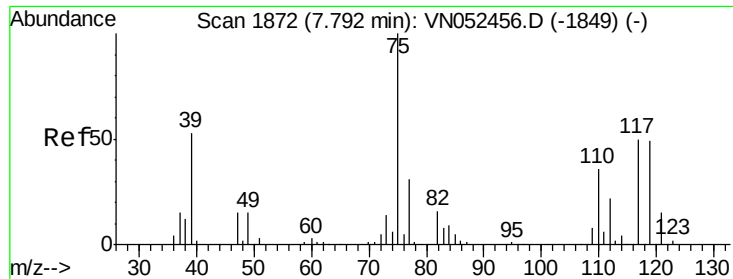
200000

0

8.50 8.60 8.70

Time-->

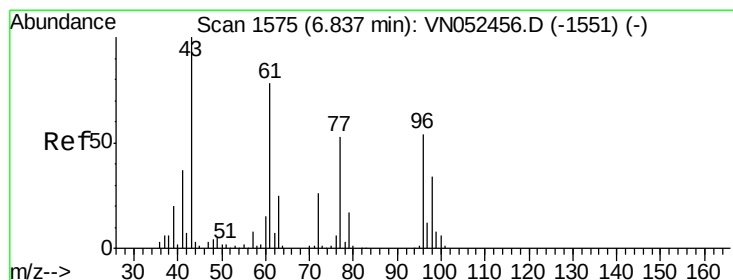
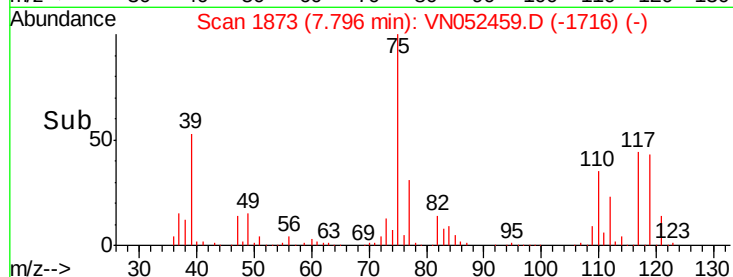
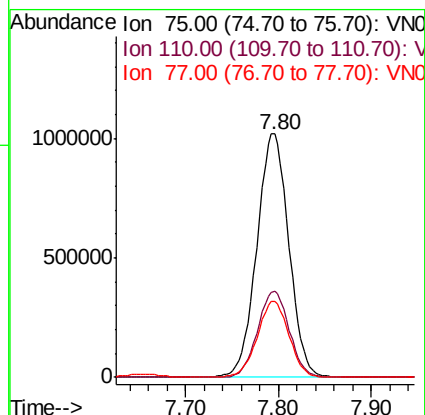
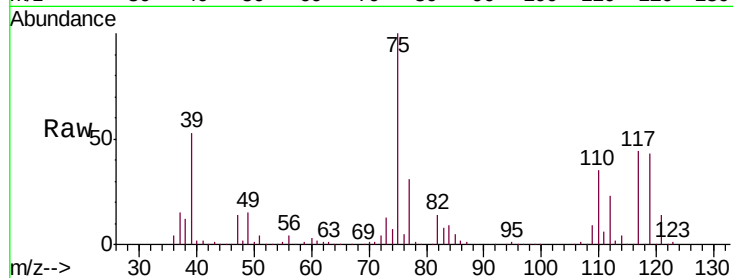




#29
 1,1-Dichloropropene
 Concen: 154.592 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

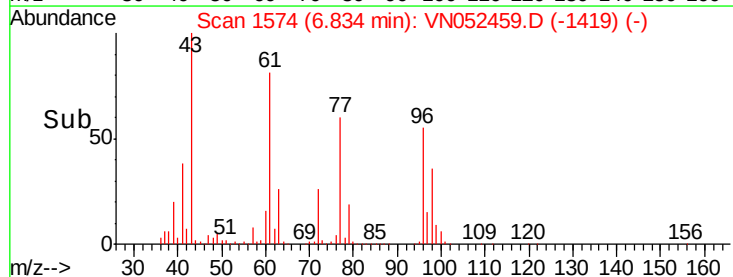
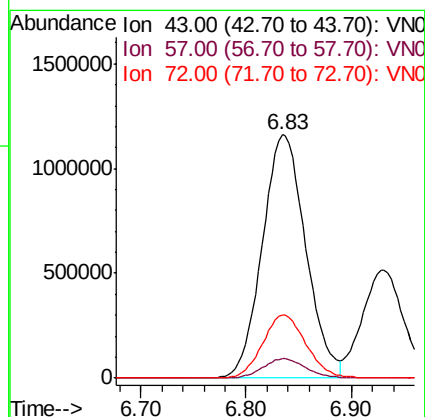
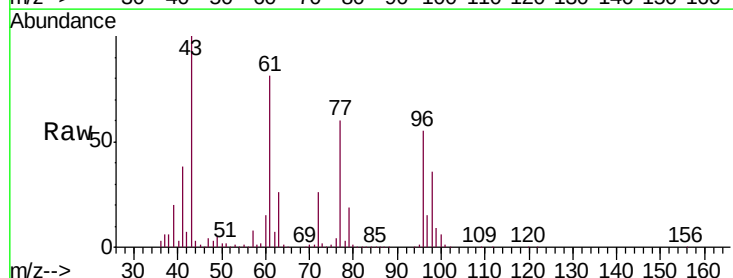
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

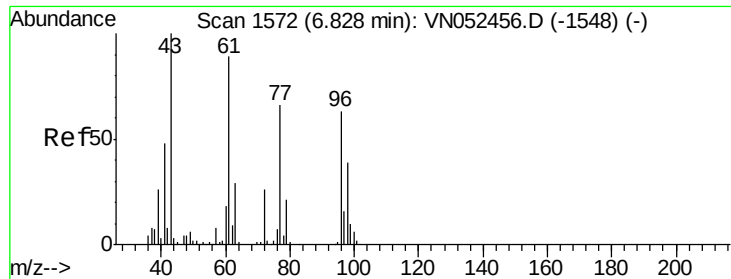
Tgt Ion: 75 Resp: 2448176
 Ion Ratio Lower Upper
 75 100
 110 35.0 0.0 70.2
 77 31.0 0.0 62.6



#30
 2-Butanone
 Concen: 783.815 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion: 43 Resp: 3321470
 Ion Ratio Lower Upper
 43 100
 57 8.0 6.2 9.4
 72 26.2 21.0 31.6

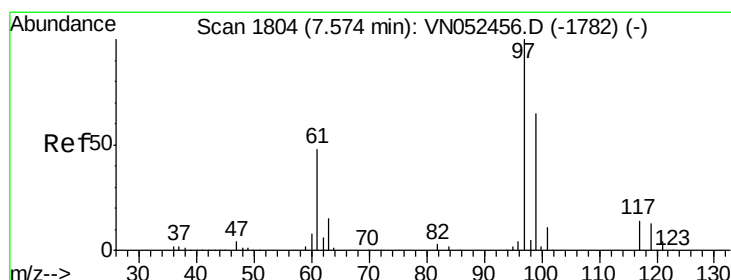
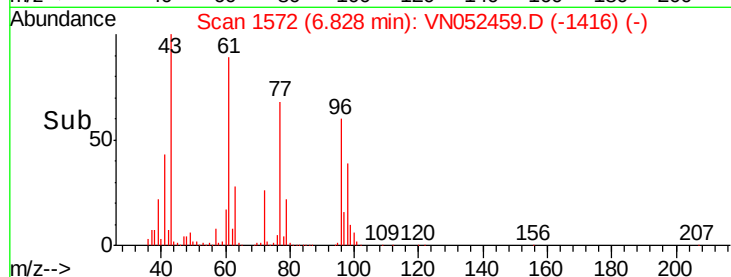
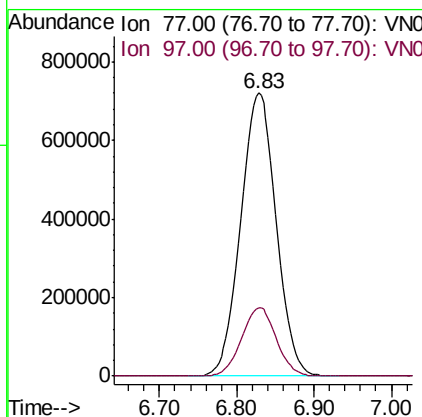
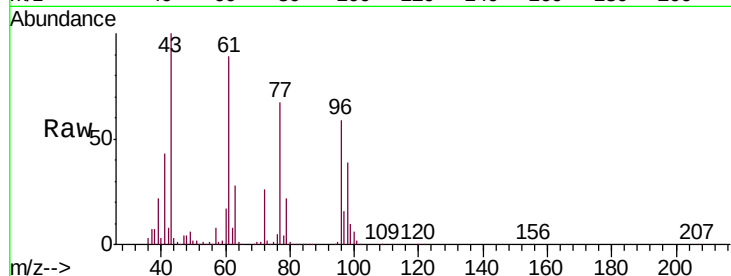




#31
 2,2-Dichloropropane
 Concen: 157.872 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

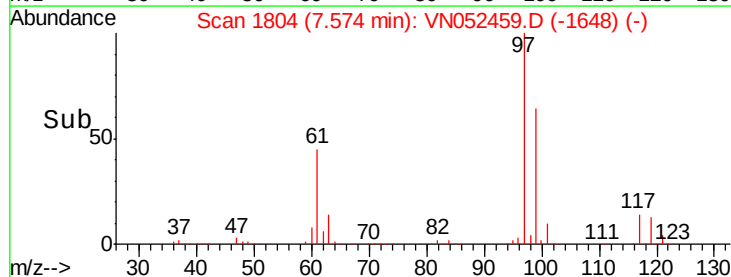
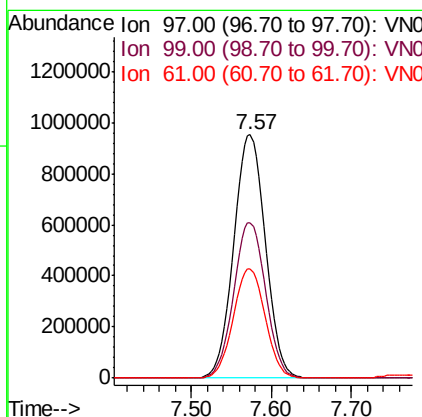
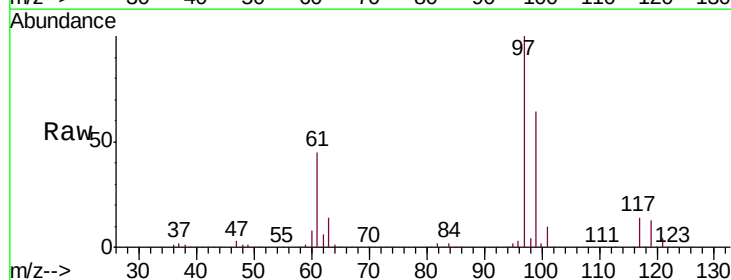
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

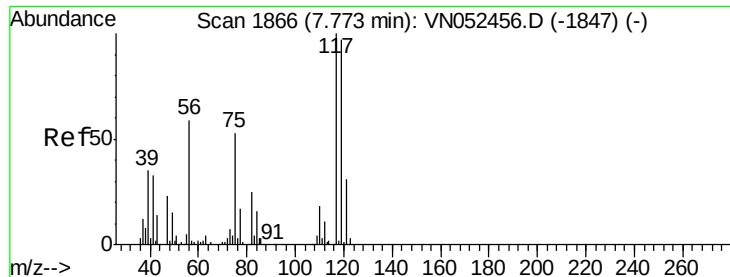
Tgt Ion: 77 Resp: 2301677
 Ion Ratio Lower Upper
 77 100
 97 23.7 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 154.552 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion: 97 Resp: 2546745
 Ion Ratio Lower Upper
 97 100
 99 64.4 50.9 76.3
 61 45.3 38.1 57.1





#33

Carbon Tetrachloride

Concen: 155.409 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

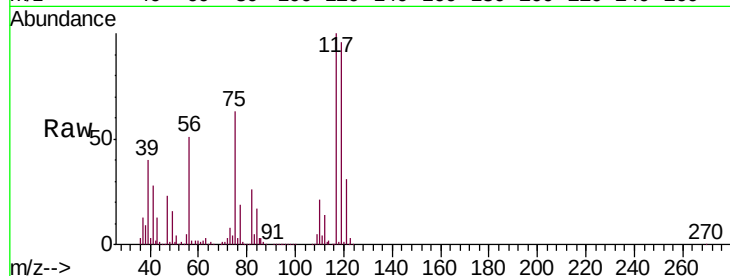
Tgt Ion:117 Resp: 2240702

Ion Ratio Lower Upper

117 100

119 96.4 77.3 115.9

121 31.0 24.9 37.3

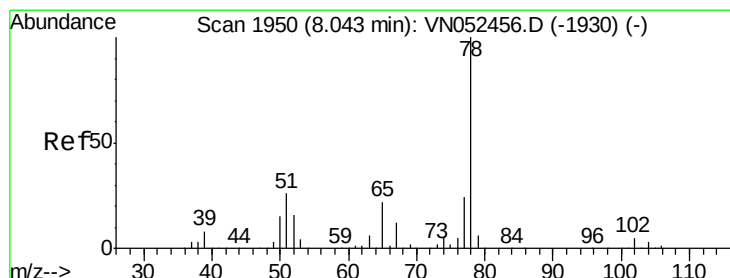
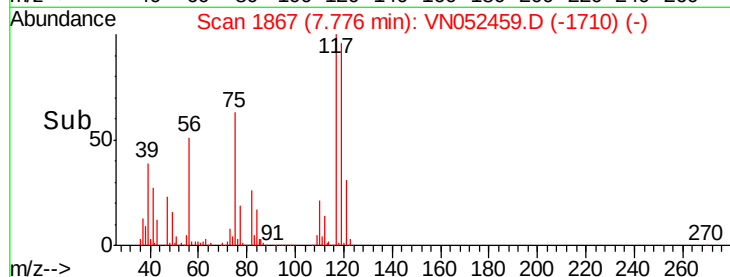
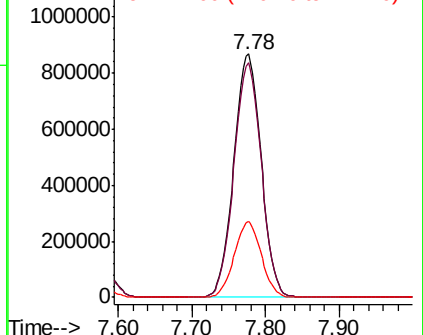


Abundance

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: 151.748 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

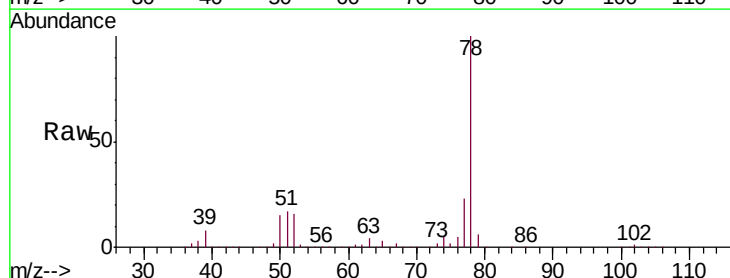
Tgt Ion: 78 Resp: 7225200

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6

51 17.4 20.5 30.7#

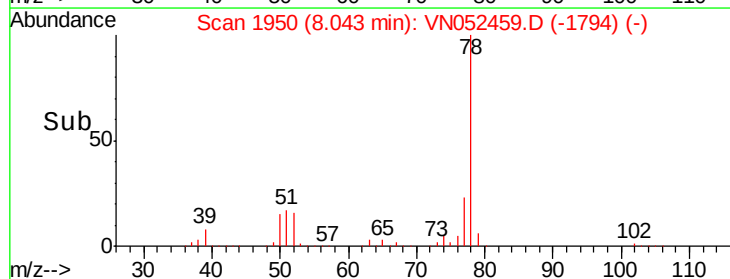
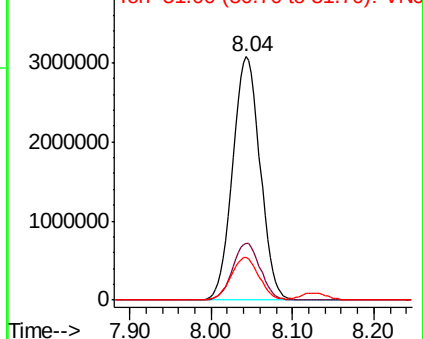


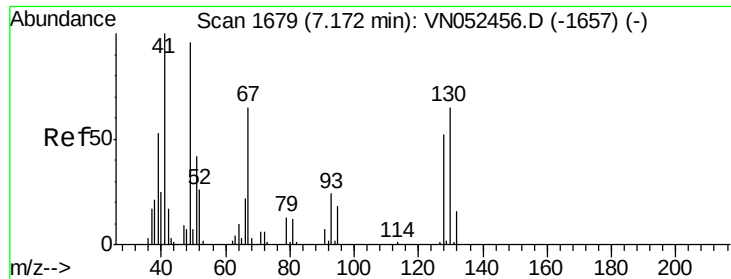
Abundance

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

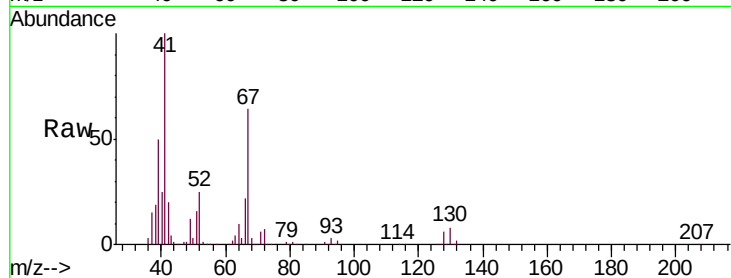




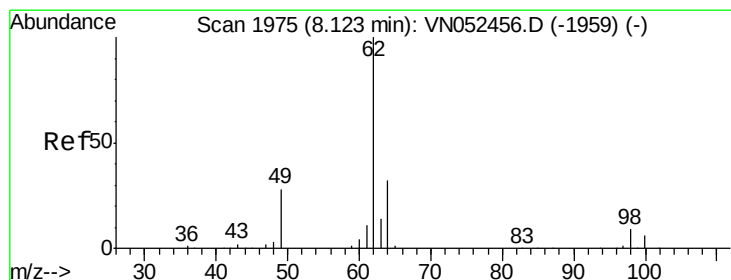
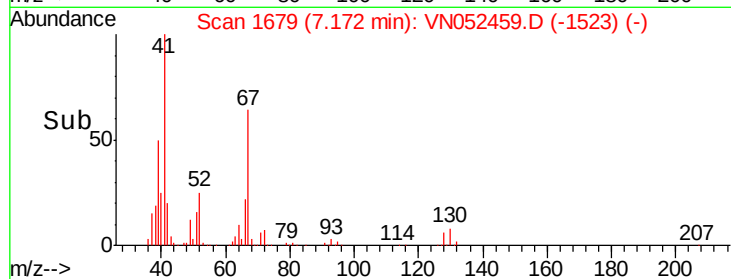
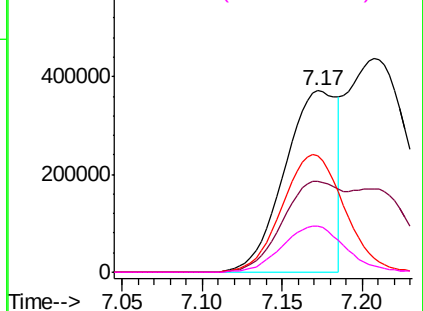
#35
Methacrylonitrile
Concen: 116.068 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052459.D
Acq: 26 Nov 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 848883
Ion Ratio Lower Upper
41 100
39 49.8 26.6 79.7
67 64.2 32.3 96.9
52 25.2 13.0 38.9

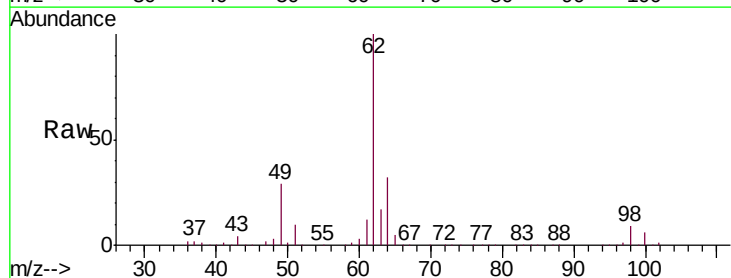


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

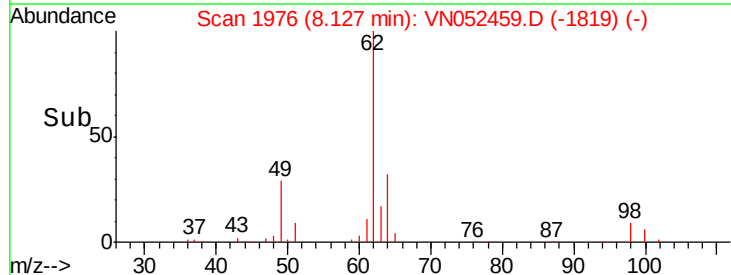
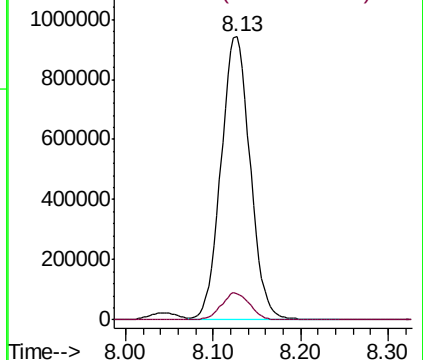


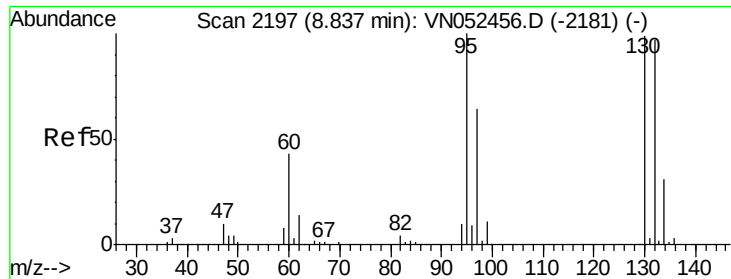
#36
1,2-Dichloroethane
Concen: 151.322 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052459.D
Acq: 26 Nov 2018 14:40

Tgt Ion: 62 Resp: 2183278
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2



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





#37

Trichloroethene

Concen: 152.501 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampled :

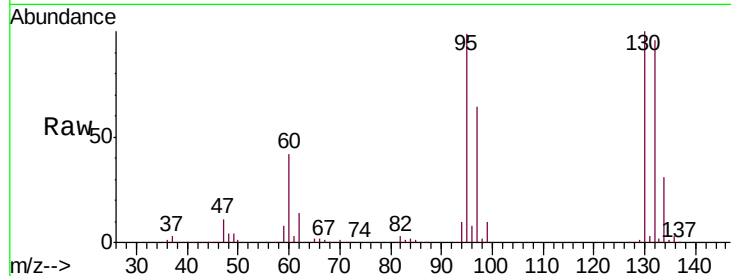
VSTDIC150

Tgt Ion:130 Resp: 1841228

Ion Ratio Lower Upper

130 100

95 99.4 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

1000000

800000

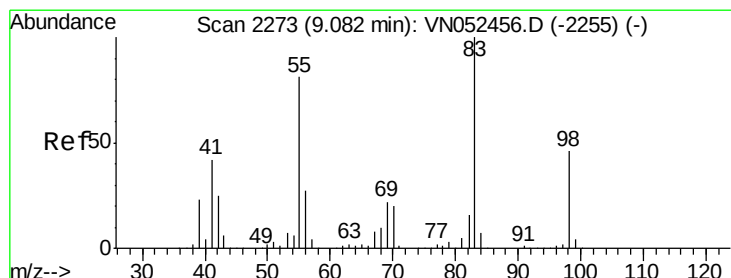
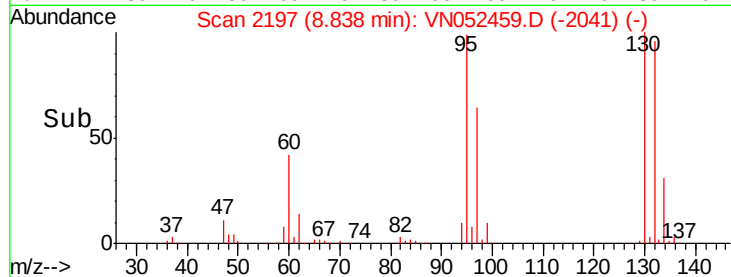
600000

400000

200000

0

Time-->



#38

Methylcyclohexane

Concen: 153.629 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

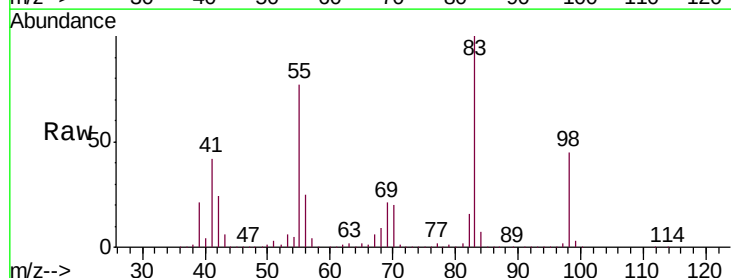
Tgt Ion: 83 Resp: 3011742

Ion Ratio Lower Upper

83 100

55 77.5 39.8 119.4

98 45.0 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

2000000

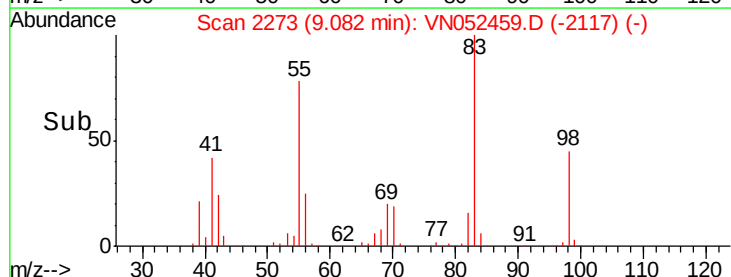
1500000

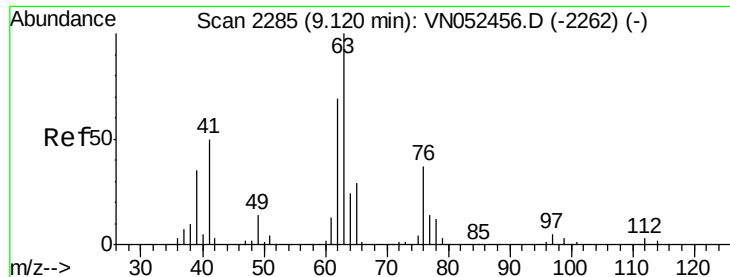
1000000

500000

0

Time-->

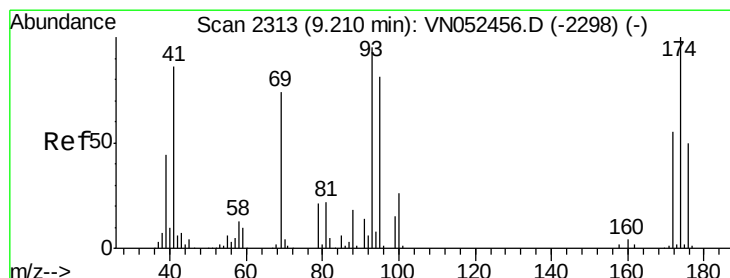
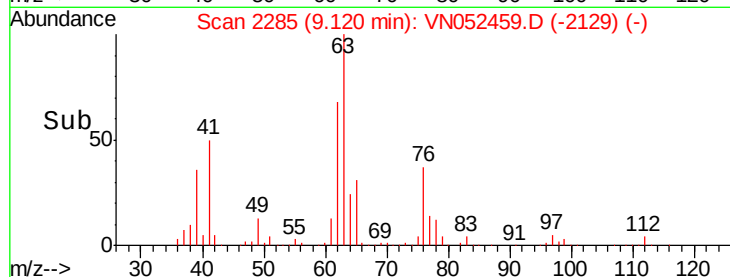
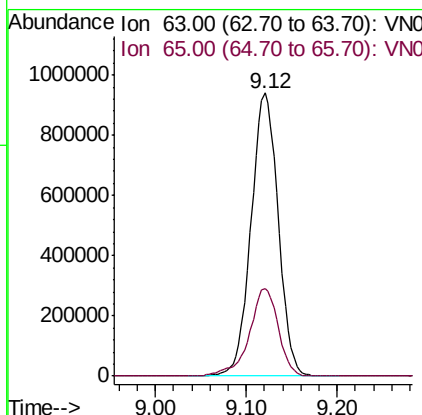
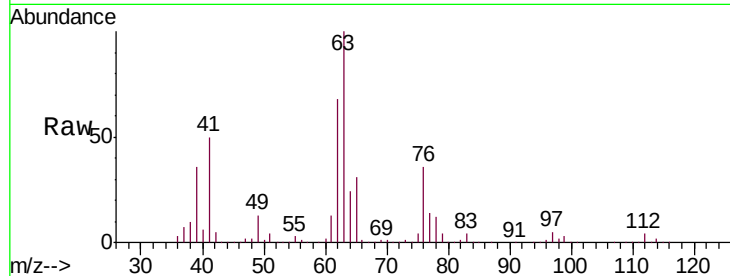




#39
 1,2-Dichloropropane
 Concen: 152.623 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

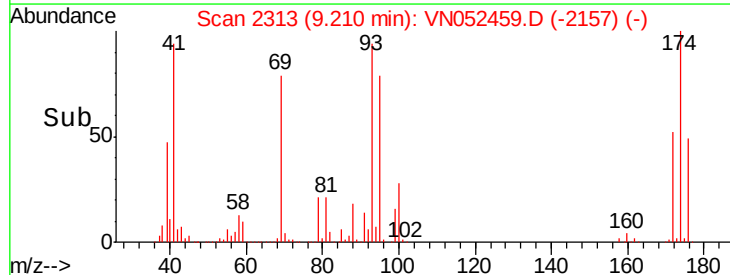
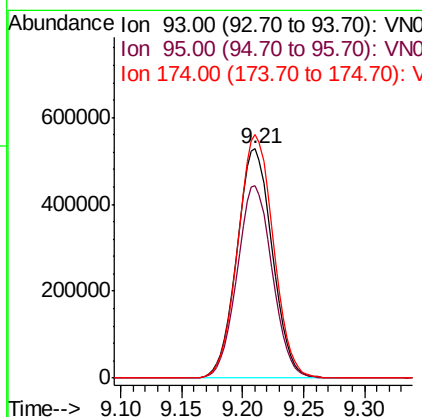
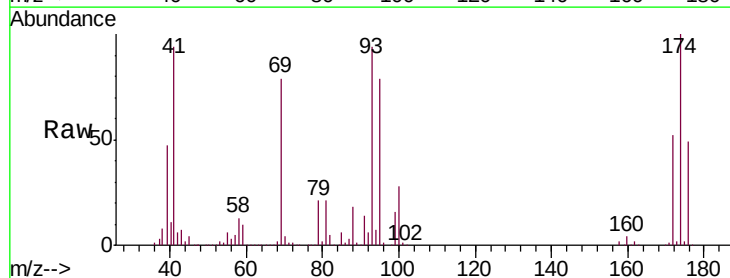
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

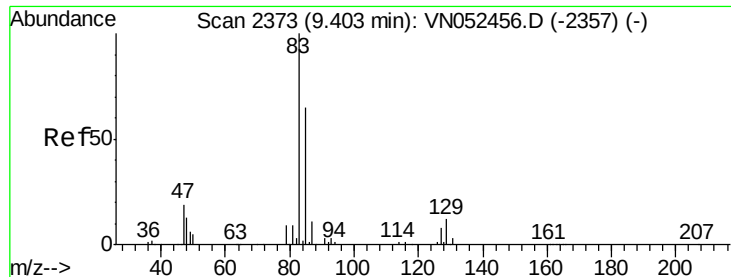
Tgt Ion: 63 Resp: 1947919
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.6 35.4



#40
 Dibromomethane
 Concen: 153.970 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion: 93 Resp: 1061929
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 168.4
 174 106.3 0.0 210.0





#41

Bromodichloromethane

Concen: 154.618 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

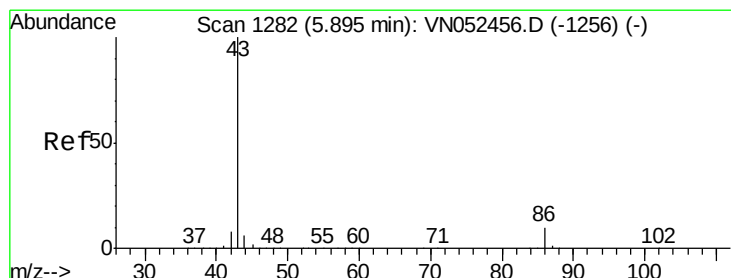
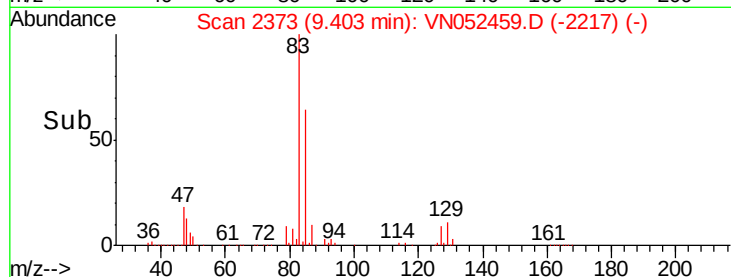
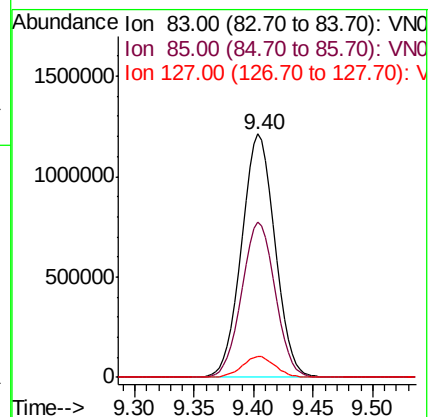
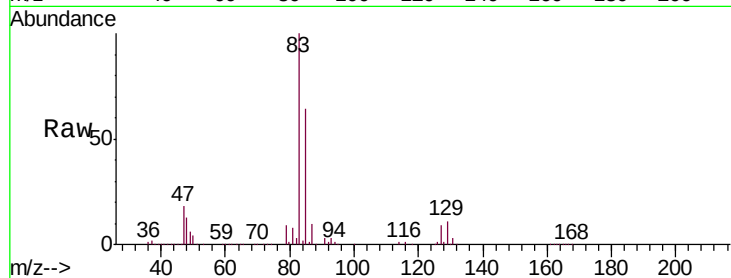
Tgt Ion: 83 Resp: 2356068

Ion Ratio Lower Upper

83 100

85 63.8 52.4 78.6

127 8.7 6.6 9.8



#42

Vinyl Acetate

Concen: 813.458 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052459.D

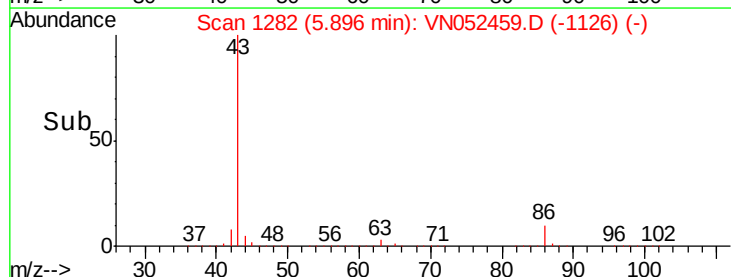
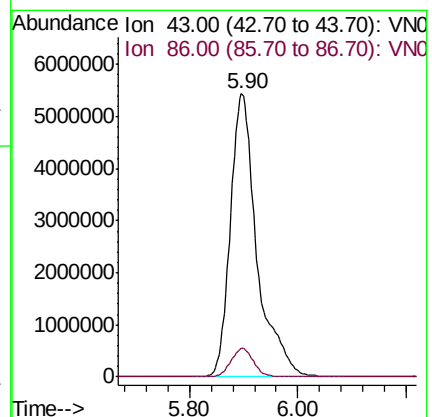
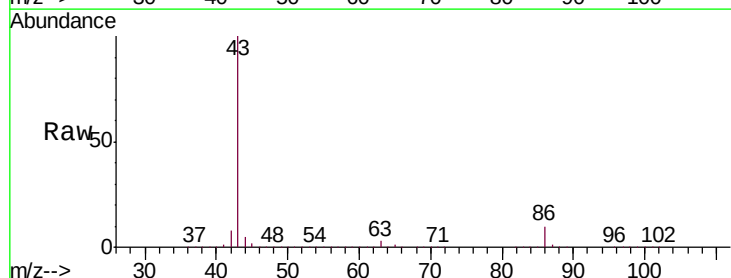
Acq: 26 Nov 2018 14:40

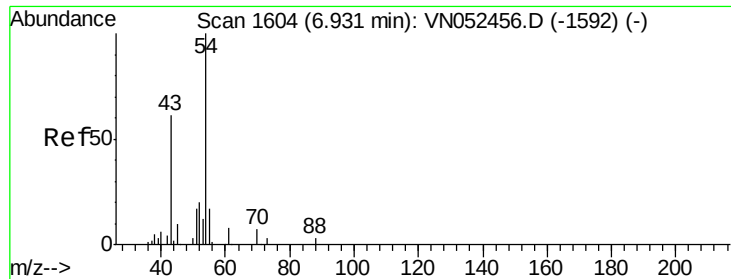
Tgt Ion: 43 Resp: 18650893

Ion Ratio Lower Upper

43 100

86 8.5 6.5 9.7

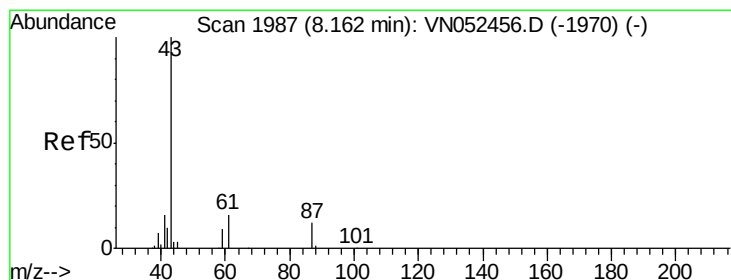
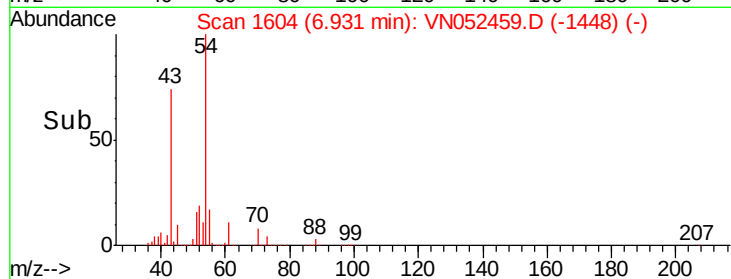
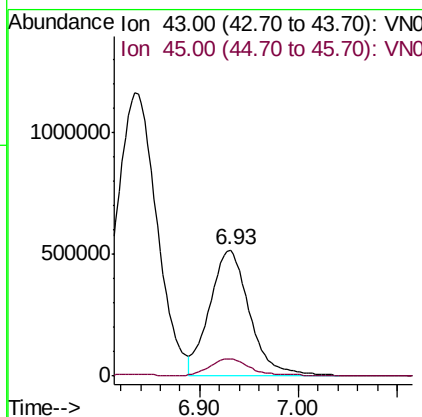
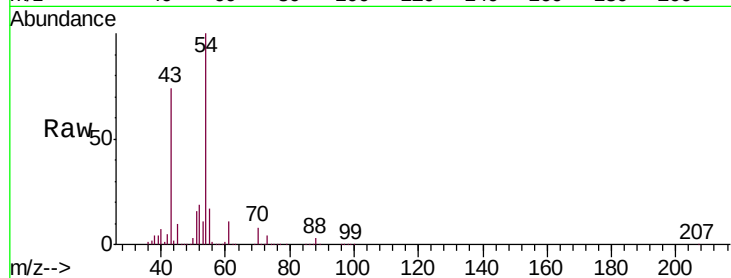




#43
 Ethyl Acetate
 Concen: 76.224 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

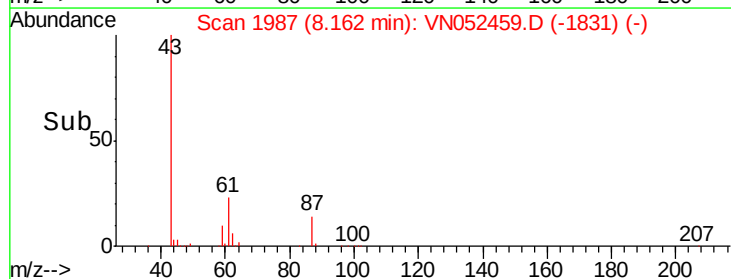
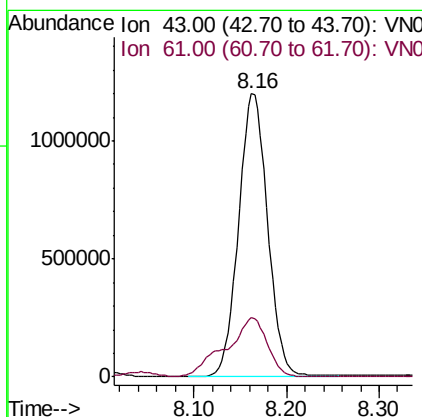
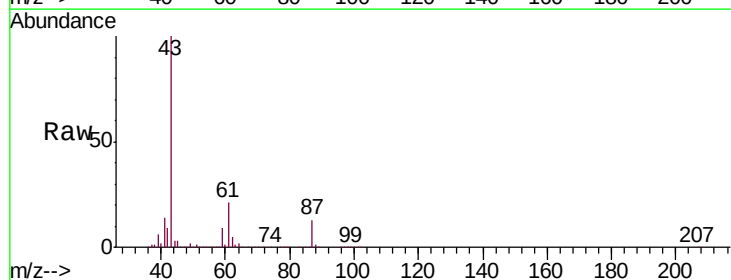
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

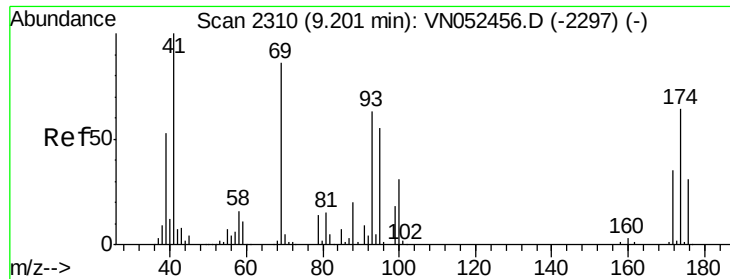
Tgt Ion: 43 Resp: 1436871
 Ion Ratio Lower Upper
 43 100
 45 14.9 1.0 1.6#



#44
 Isopropyl Acetate
 Concen: 165.597 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion: 43 Resp: 2616945
 Ion Ratio Lower Upper
 43 100
 61 29.6 16.0 24.0#

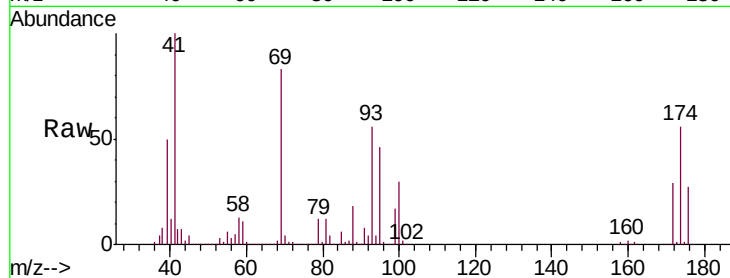




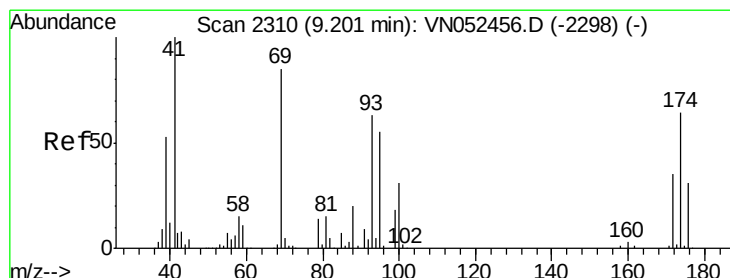
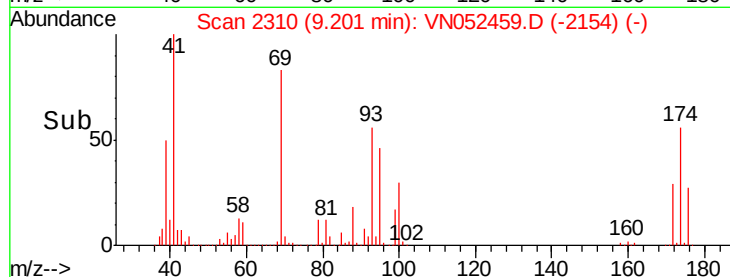
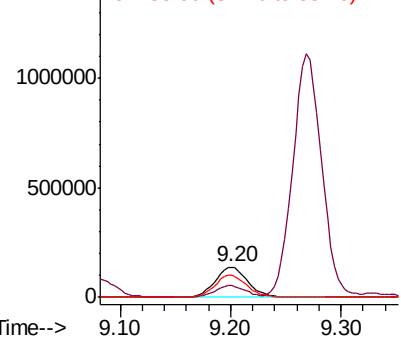
#45
 1,4-Dioxane
 Concen: 3262.591 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 88 Resp: 282061
 Ion Ratio Lower Upper
 88 100
 43 35.4 29.5 44.3
 58 73.0 61.5 92.3

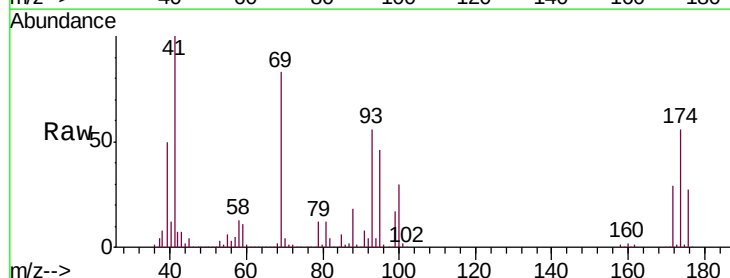


Abundance Ion 88.00 (87.70 to 88.70): VN0
 1500000 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

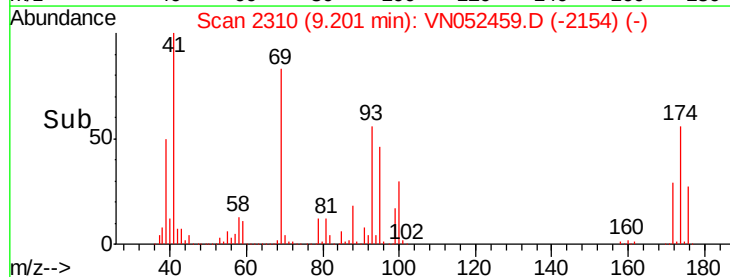
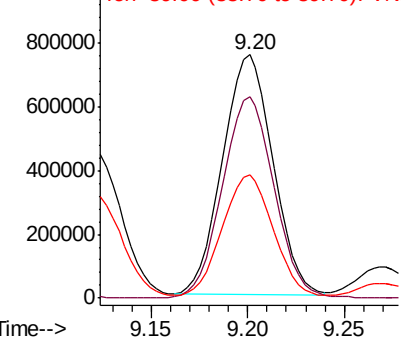


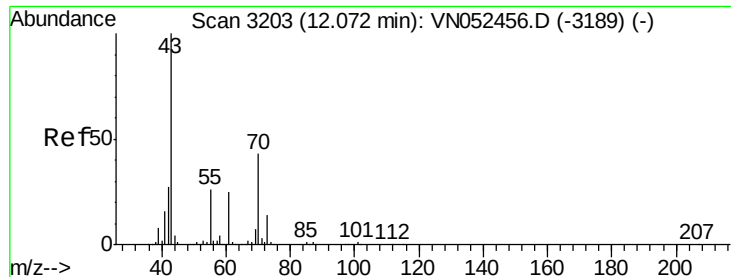
#46
 Methyl methacrylate
 Concen: 167.460 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion: 41 Resp: 1374046
 Ion Ratio Lower Upper
 41 100
 69 83.4 42.5 127.6
 39 50.2 26.3 78.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
 1000000 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyI Acetate

Concen: 175.067 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

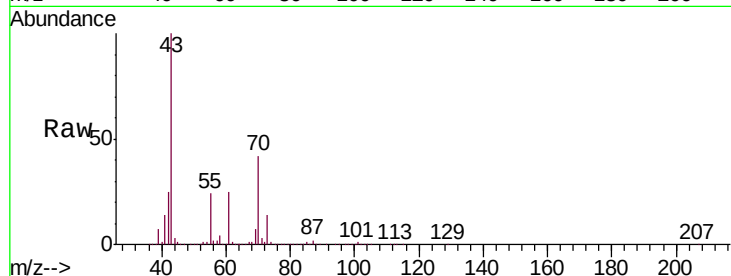
VSTDIC150

Tgt Ion: 43 Resp: 2293872

Ion Ratio Lower Upper

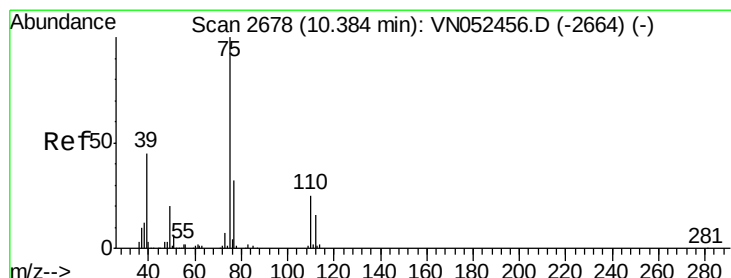
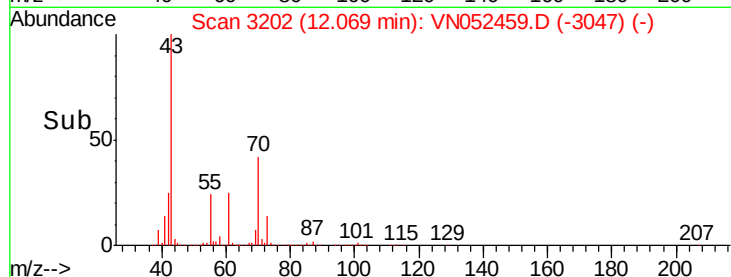
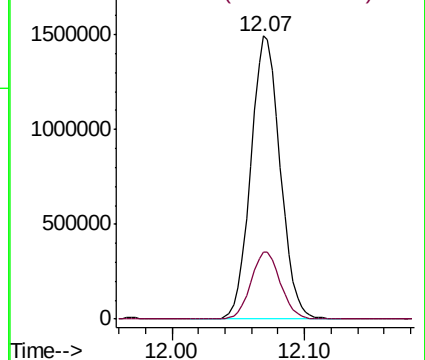
43 100

55 24.0 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 168.079 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052459.D

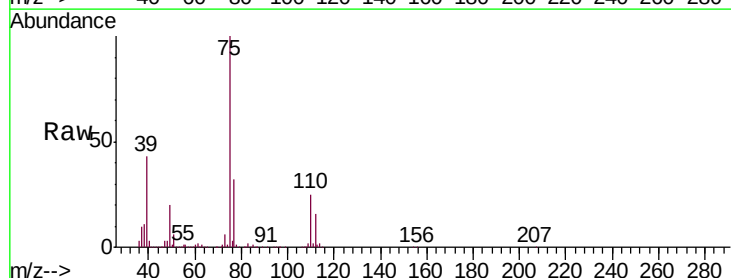
Acq: 26 Nov 2018 14:40

Tgt Ion: 75 Resp: 2483373

Ion Ratio Lower Upper

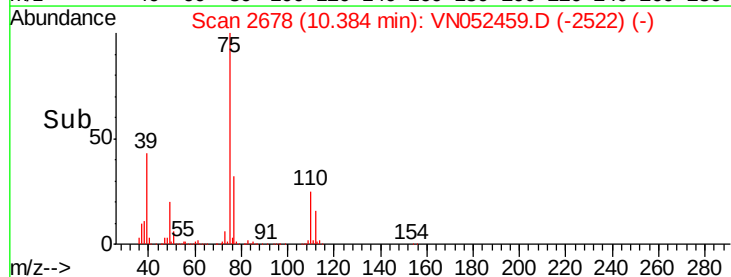
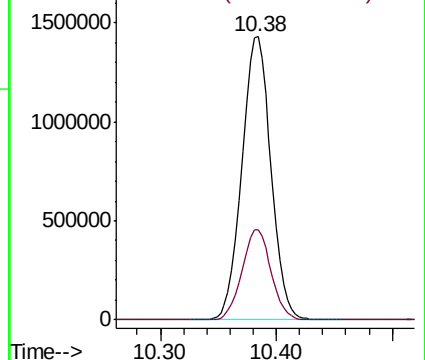
75 100

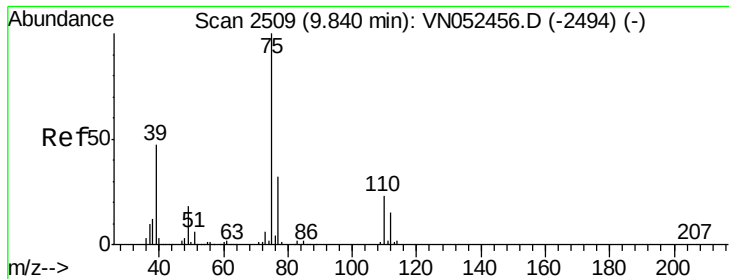
77 31.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



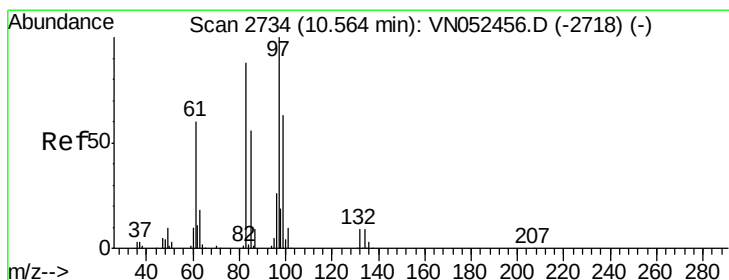
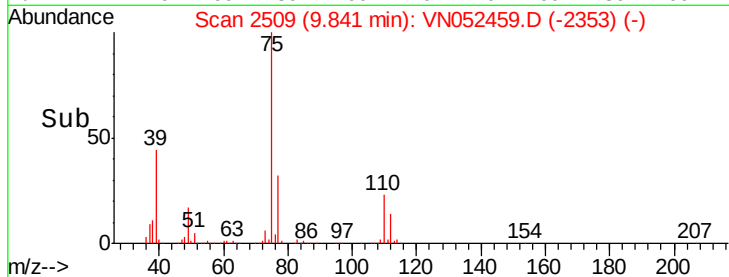
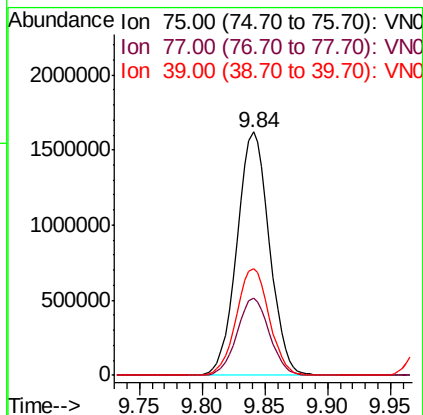
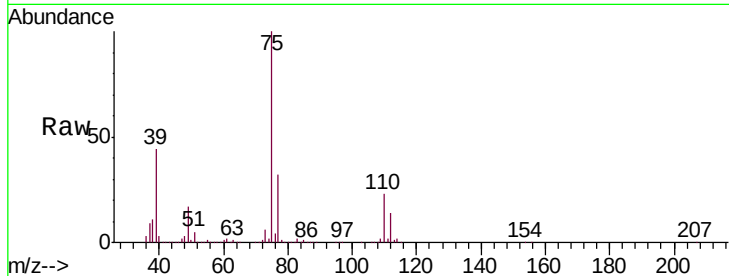


#49

cis-1,3-Dichloropropene
 Concen: 161.431 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

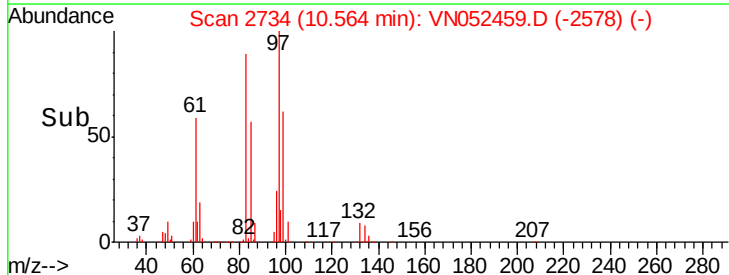
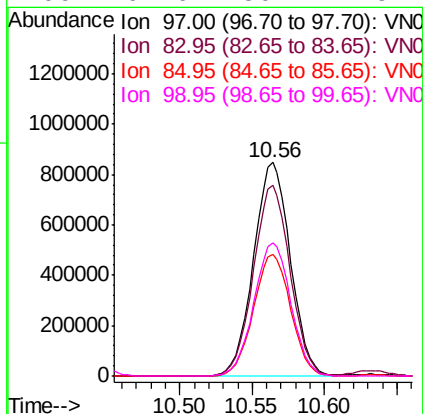
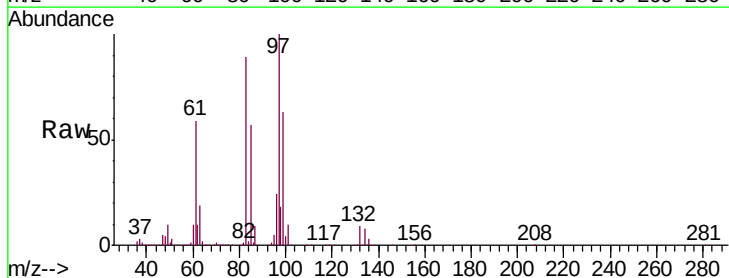
Tgt Ion: 75 Resp: 2905932
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.0
 39 44.0 37.3 55.9

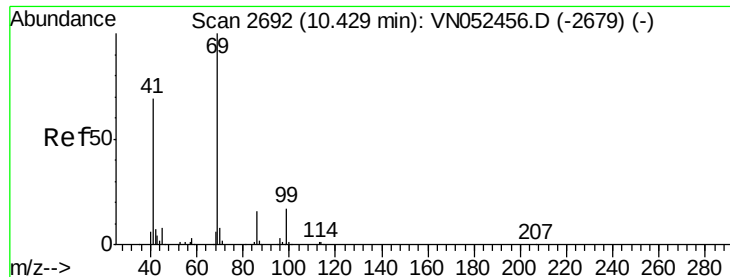


#50

1,1,2-Trichloroethane
 Concen: 153.363 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion: 97 Resp: 1499352
 Ion Ratio Lower Upper
 97 100
 83 89.3 70.4 105.6
 85 57.2 45.0 67.6
 99 62.6 50.2 75.2





#51

Ethyl methacrylate

Concen: 166.766 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

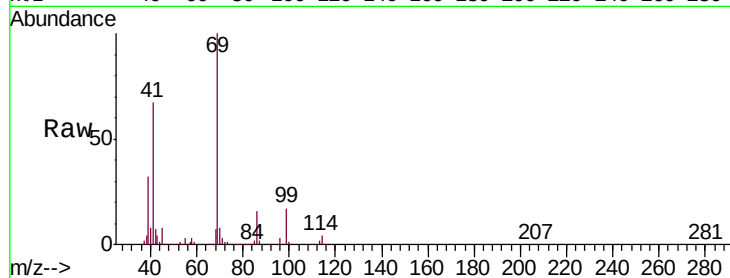
Tgt Ion: 69 Resp: 2047675

Ion Ratio Lower Upper

69 100

41 66.9 34.4 103.3

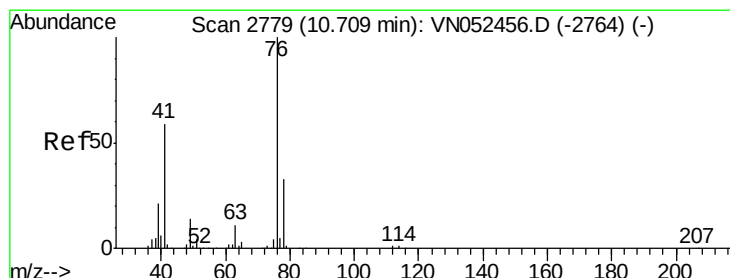
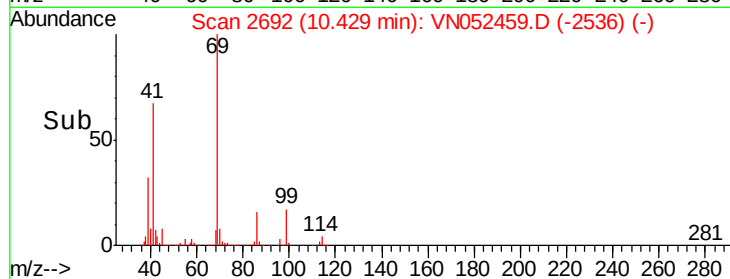
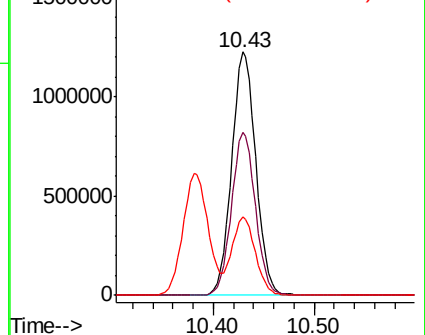
39 32.2 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN052459.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN052459.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN052459.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 153.209 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052459.D

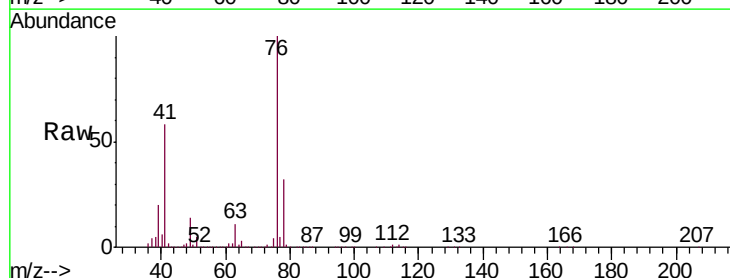
Acq: 26 Nov 2018 14:40

Tgt Ion: 76 Resp: 2666112

Ion Ratio Lower Upper

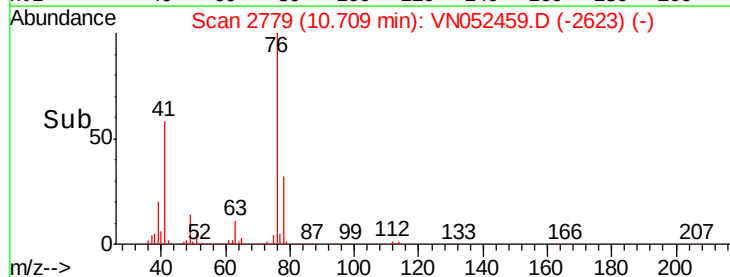
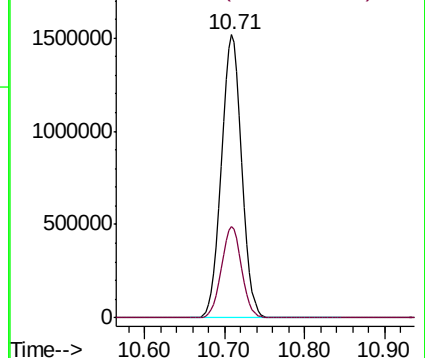
76 100

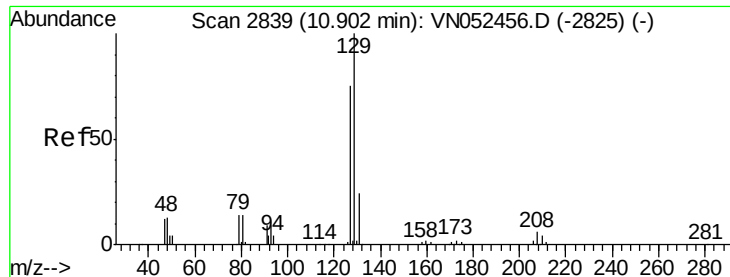
78 32.1 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN052459.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN052459.D (-2764) (-)





#53

Dibromochloromethane

Concen: 159.160 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampled :

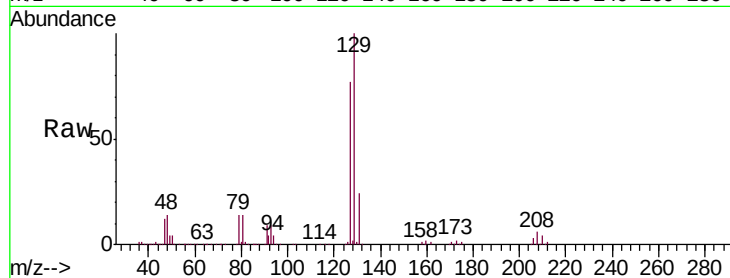
VSTDIC150

Tgt Ion:129 Resp: 1713117

Ion Ratio Lower Upper

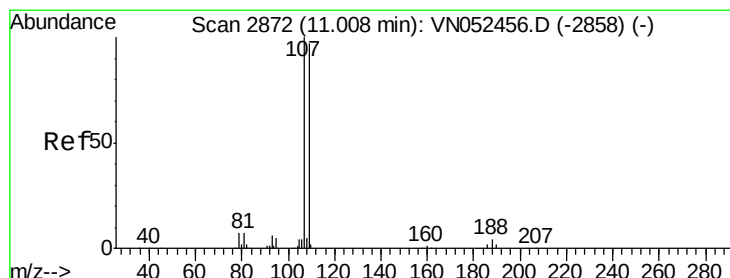
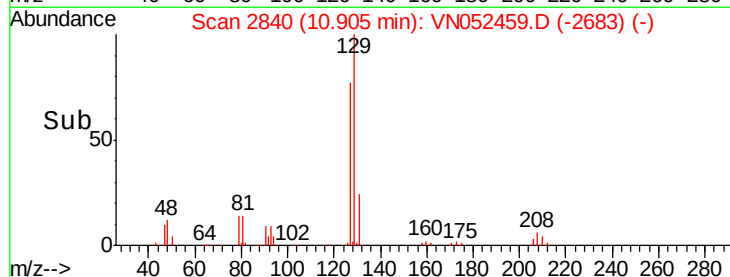
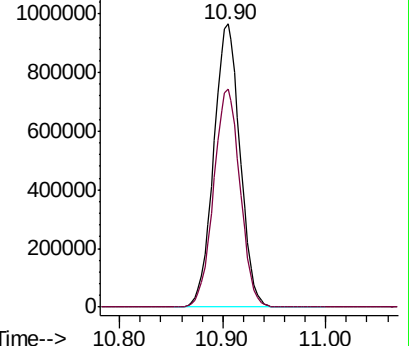
129 100

127 77.5 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 159.958 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052459.D

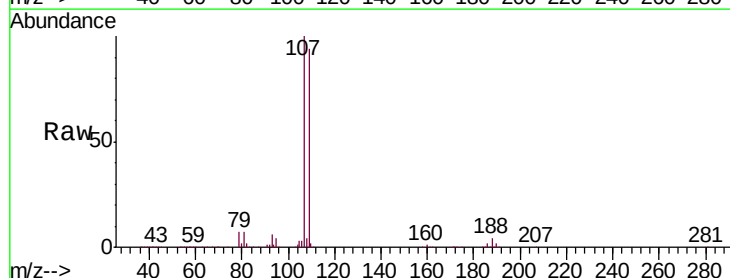
Acq: 26 Nov 2018 14:40

Tgt Ion:107 Resp: 1528126

Ion Ratio Lower Upper

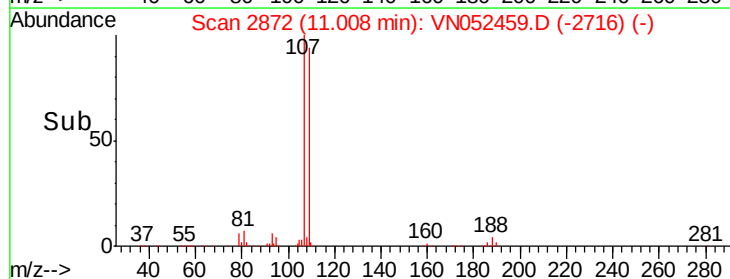
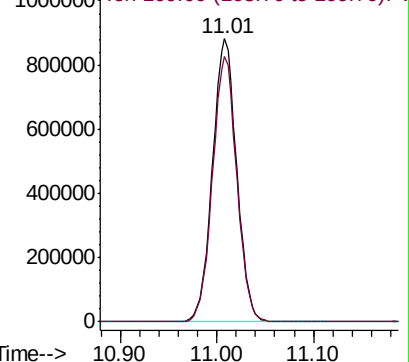
107 100

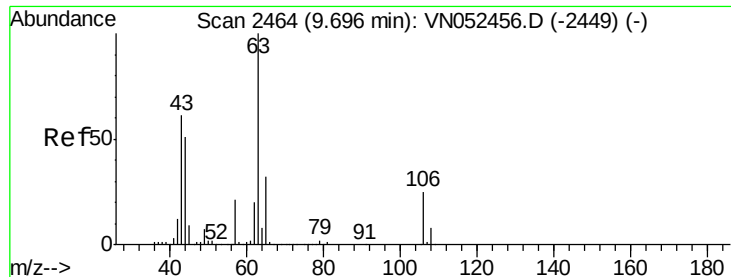
109 94.1 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

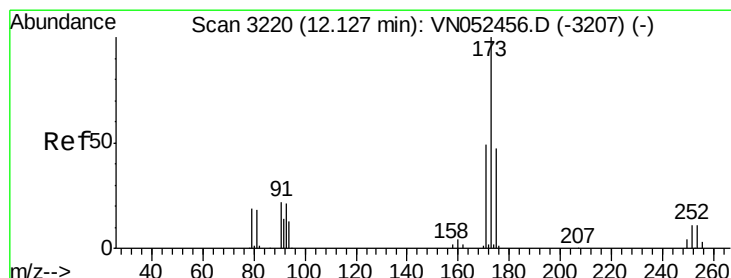
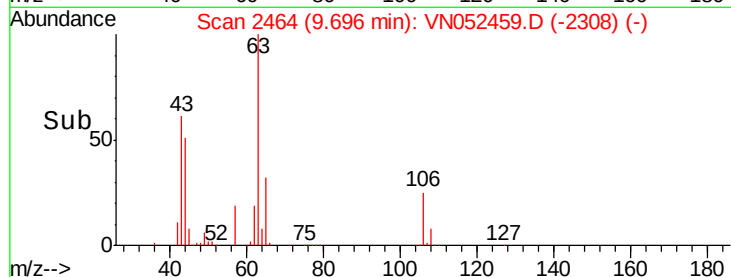
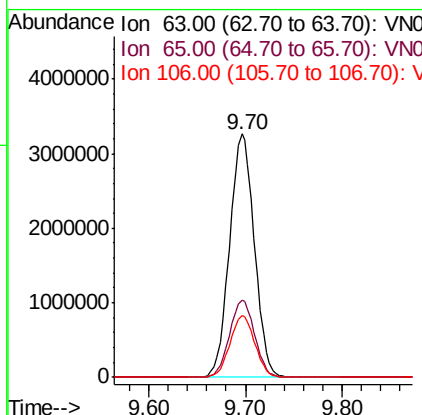
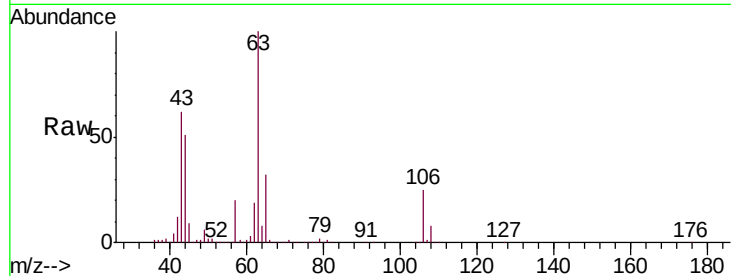




#55
 2-Chloroethyl vinyl ether
 Concen: 805.583 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

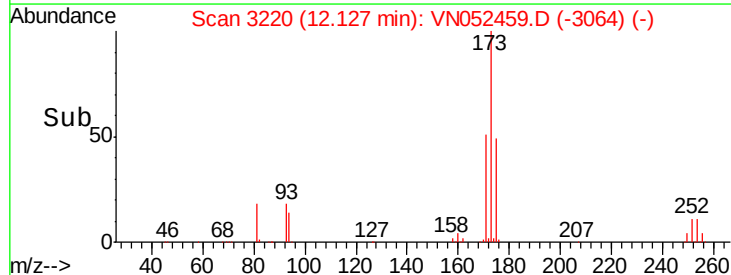
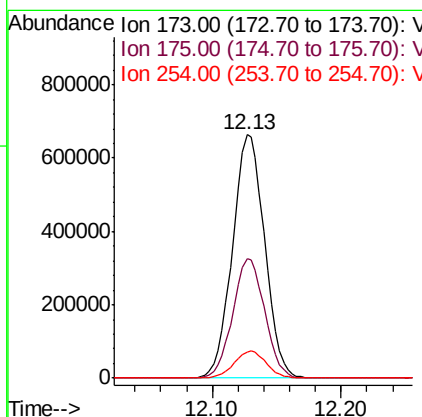
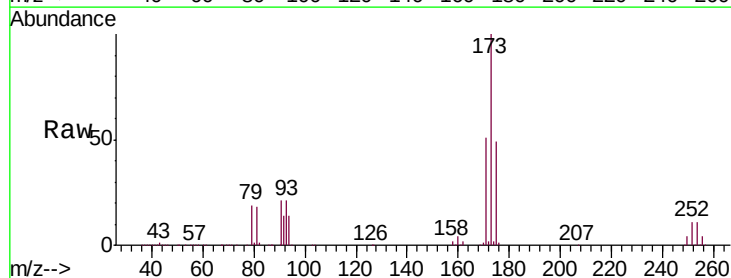
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

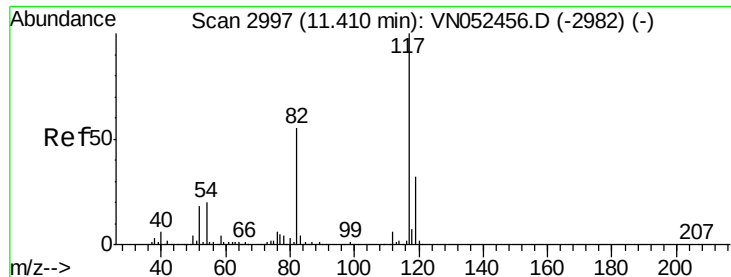
Tgt Ion: 63 Resp: 5790056
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.4 38.2
 106 25.5 20.4 30.6



#56
 Bromoform
 Concen: 163.108 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion: 173 Resp: 1147534
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.7 58.1
 254 11.2 8.4 12.6

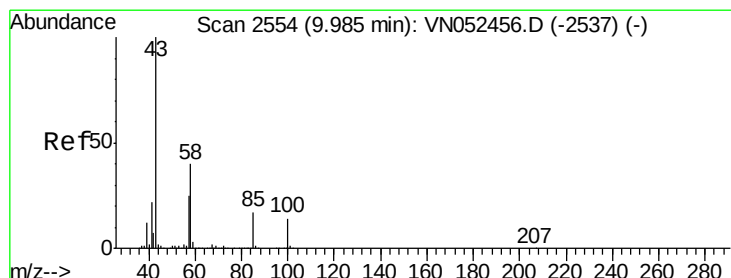
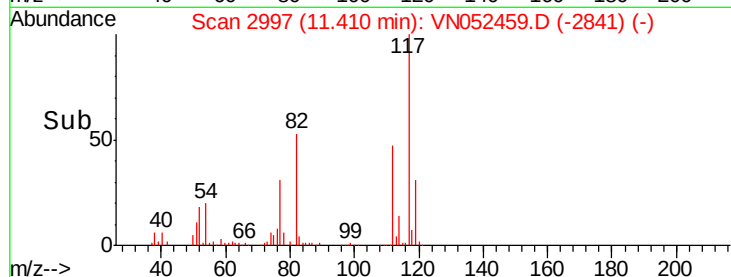
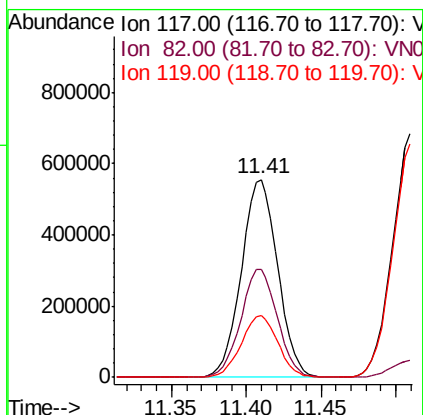
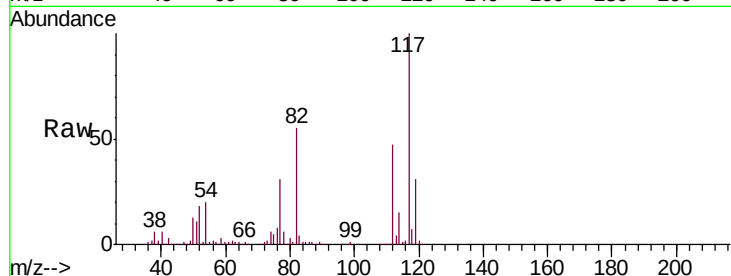




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052459.D
Acq: 26 Nov 2018 14:40

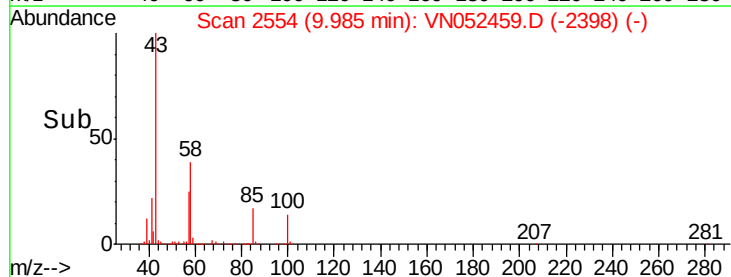
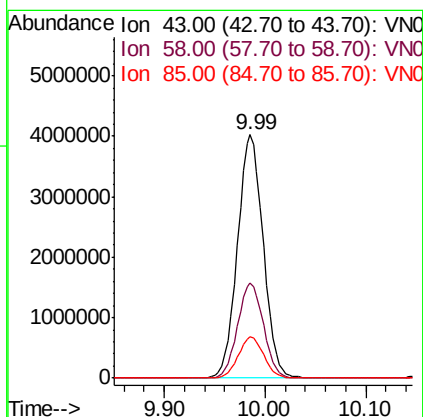
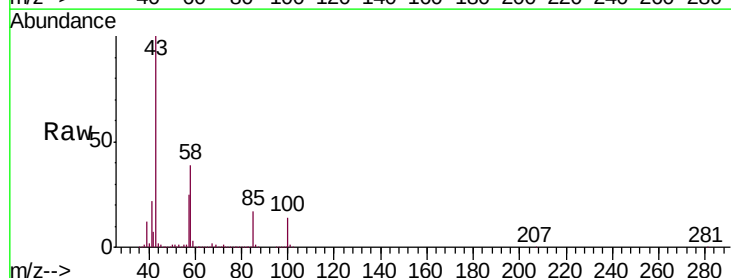
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

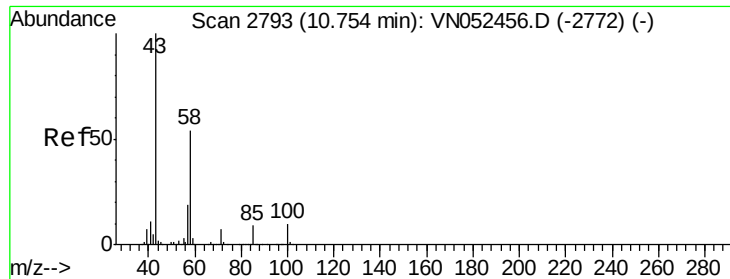
Tgt Ion: 117 Resp: 939222
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 31.6 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 779.662 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052459.D
Acq: 26 Nov 2018 14:40

Tgt Ion: 43 Resp: 7099225
Ion Ratio Lower Upper
43 100
58 39.3 31.6 47.4
85 16.9 13.3 19.9

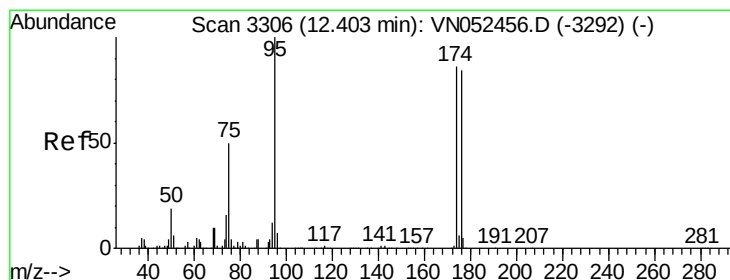
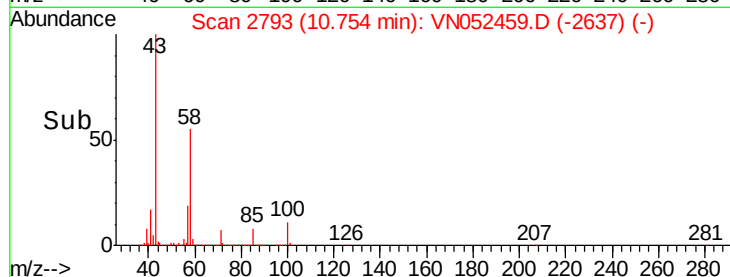
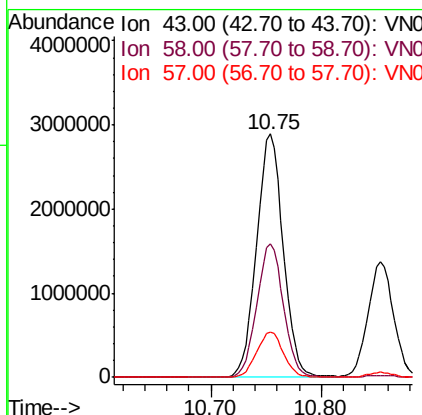
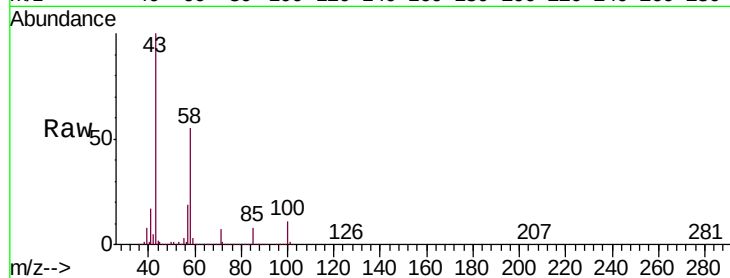




#59
2-Hexanone
Concen: 778.684 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052459.D
Acq: 26 Nov 2018 14:40

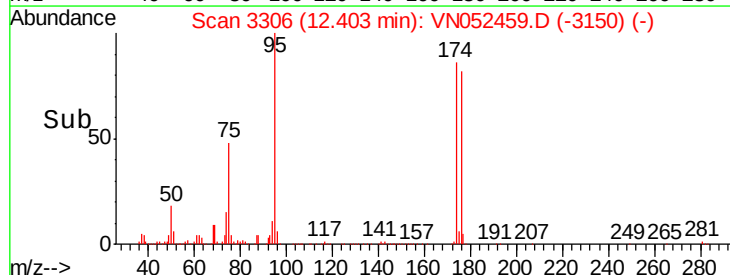
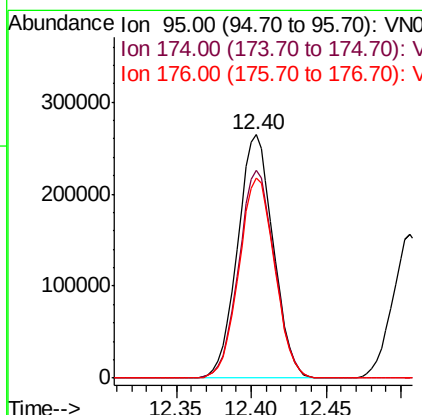
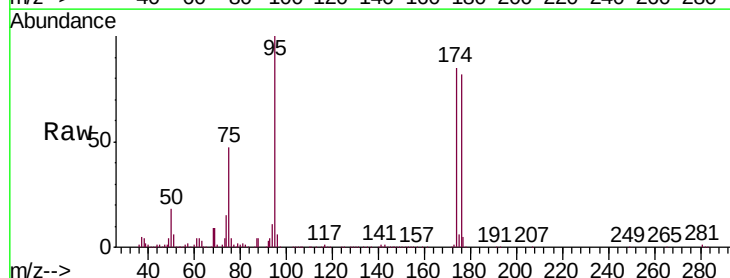
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

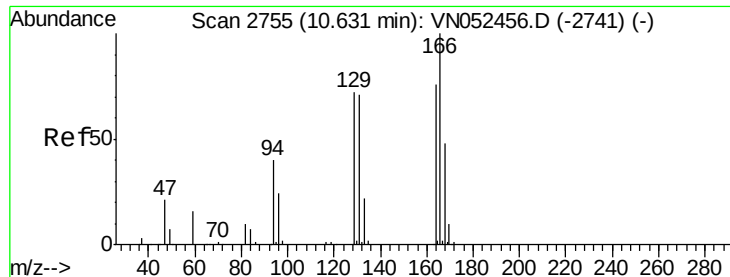
Tgt Ion: 43 Resp: 4843488
Ion Ratio Lower Upper
43 100
58 54.9 43.2 64.8
57 18.9 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 778.684 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052459.D
Acq: 26 Nov 2018 14:40

Tgt Ion: 95 Resp: 438686
Ion Ratio Lower Upper
95 100
174 85.9 67.9 101.9
176 82.6 66.4 99.6





#61

Tetrachloroethene

Concen: 144.397 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:164 Resp: 1670340

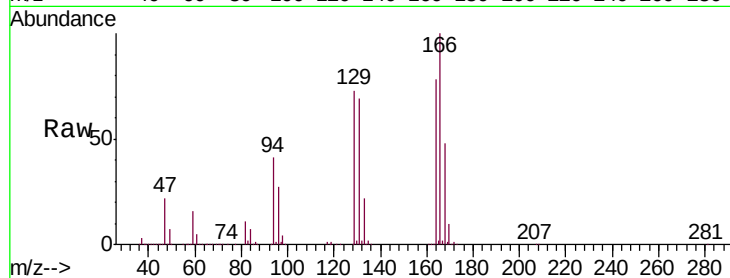
Ion Ratio Lower Upper

164 100

166 129.0 104.6 157.0

129 93.9 75.3 112.9

131 89.1 74.3 111.5

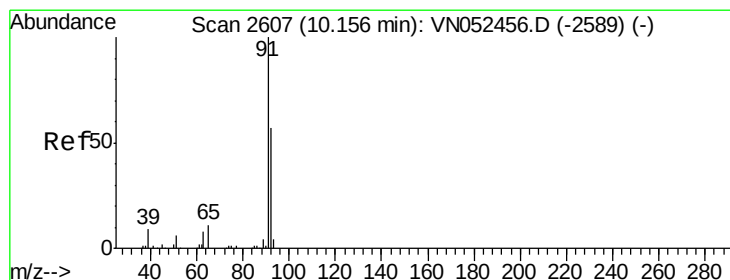
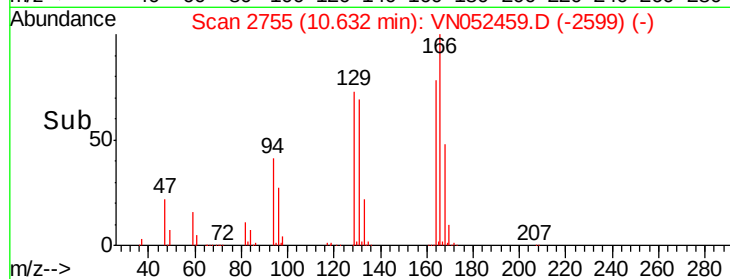
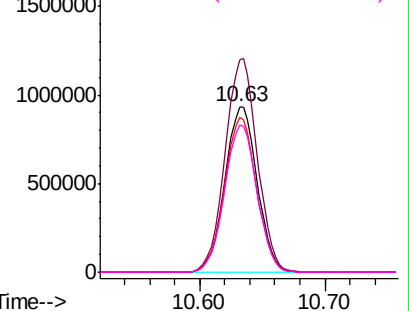


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 148.583 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052459.D

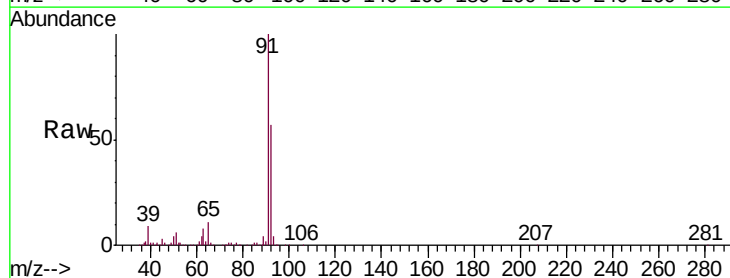
Acq: 26 Nov 2018 14:40

Tgt Ion: 91 Resp: 7693108

Ion Ratio Lower Upper

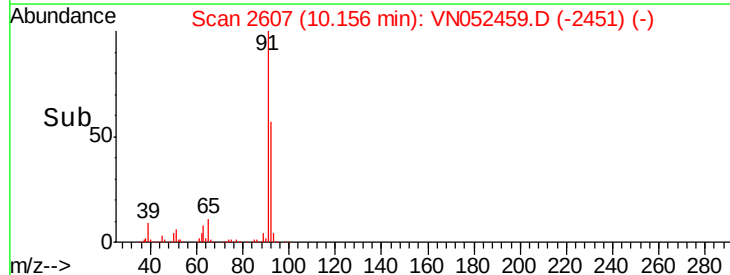
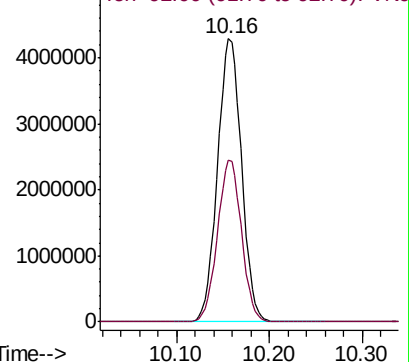
91 100

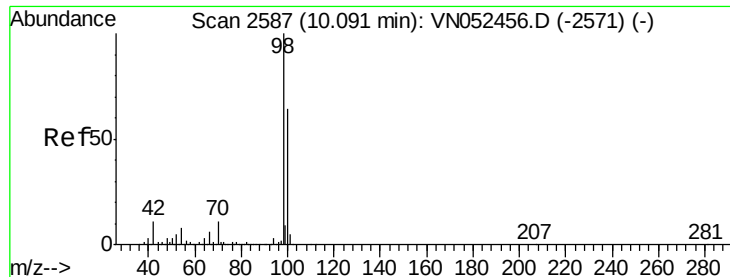
92 57.0 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 148.583 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

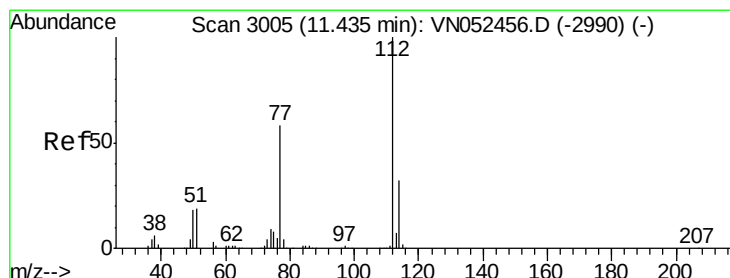
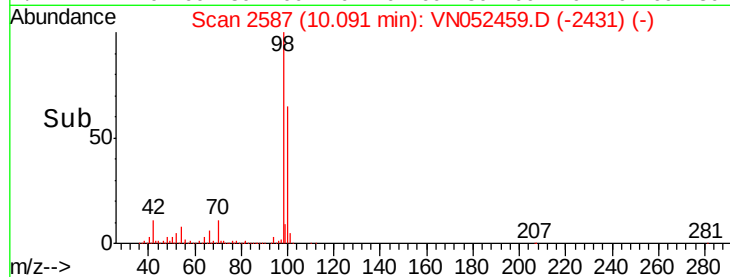
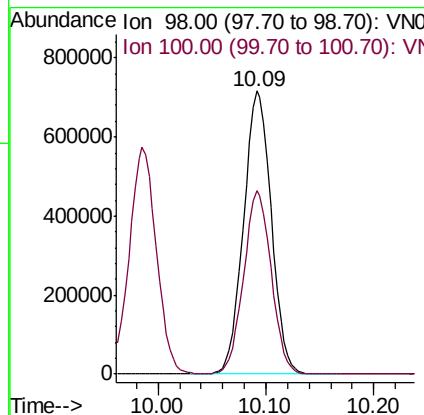
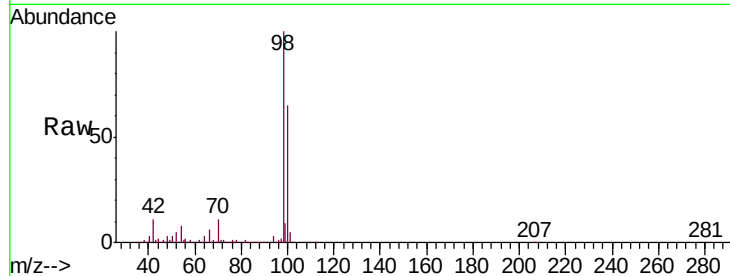
VSTDIC150

Tgt Ion: 98 Resp: 1278105

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



#64

Chlorobenzene

Concen: 150.901 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052459.D

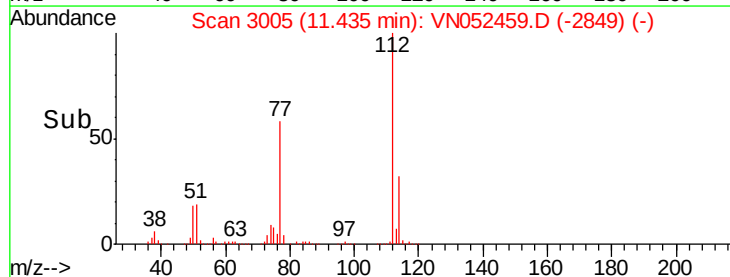
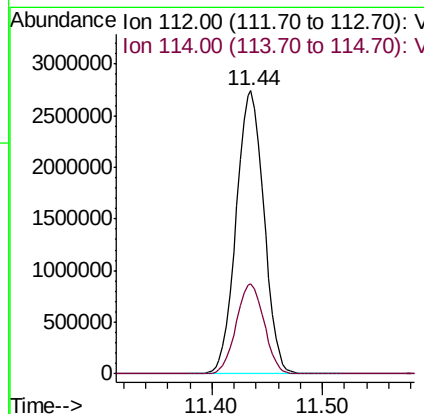
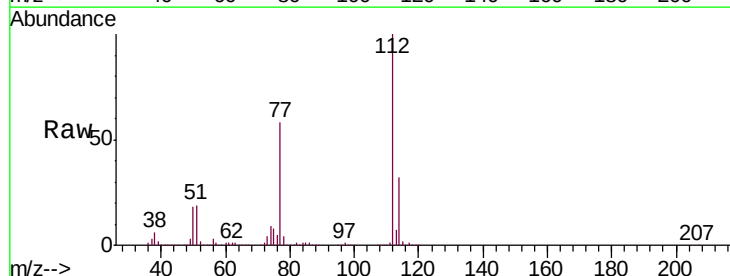
Acq: 26 Nov 2018 14:40

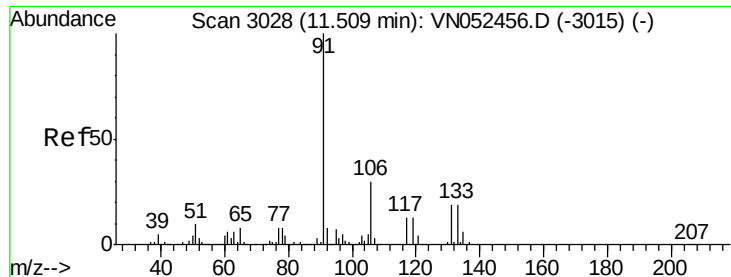
Tgt Ion: 112 Resp: 4768887

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 153.631 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

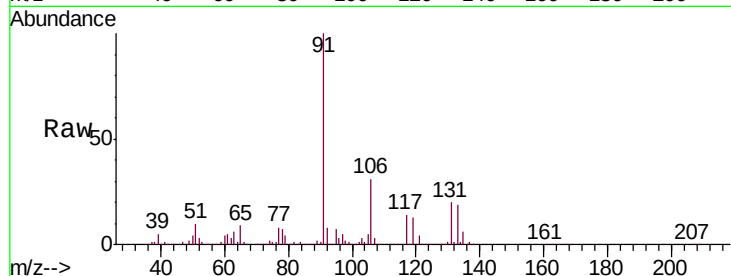
Tgt Ion:131 Resp: 1685271

Ion Ratio Lower Upper

131 100

133 95.0 0.0 193.4

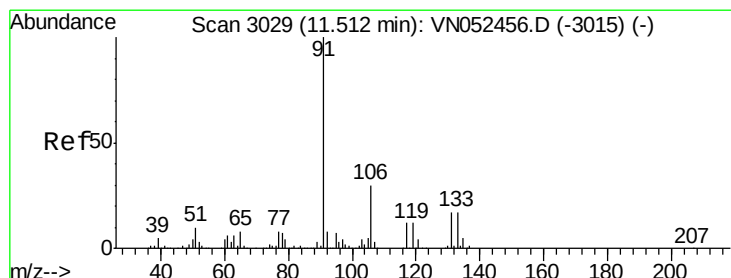
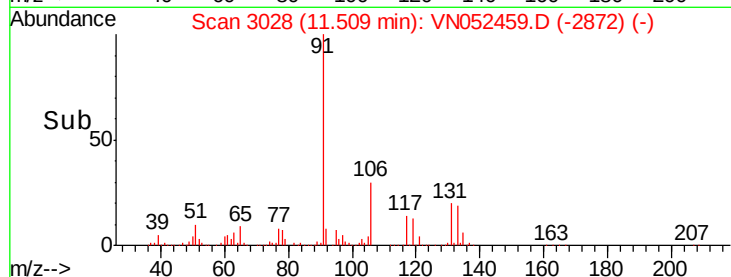
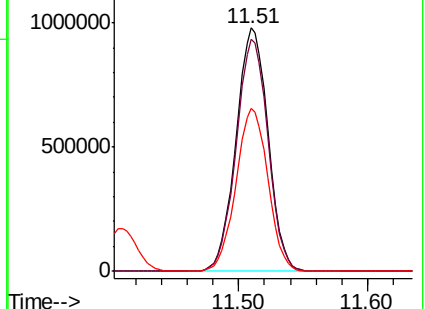
119 66.8 0.0 133.0



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: 152.617 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052459.D

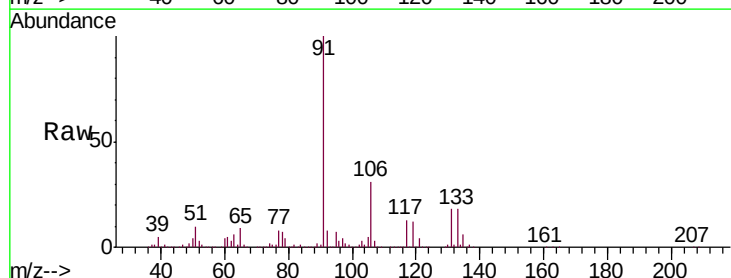
Acq: 26 Nov 2018 14:40

Tgt Ion: 91 Resp: 8516520

Ion Ratio Lower Upper

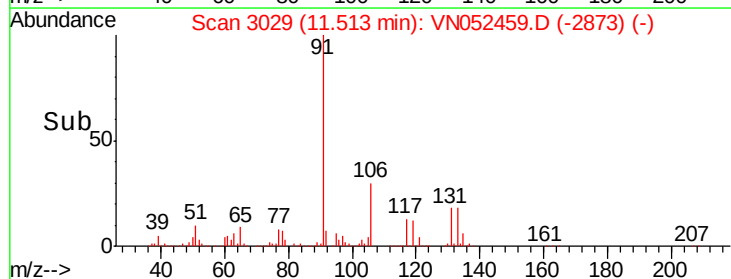
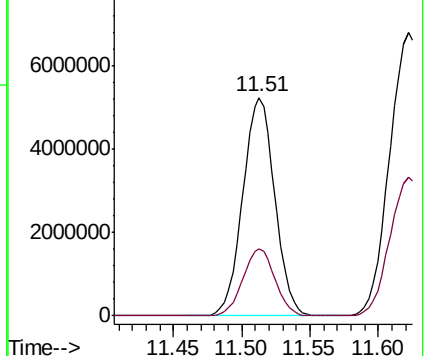
91 100

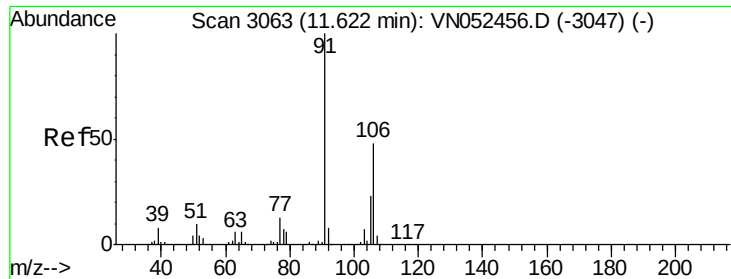
106 30.8 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 303.393 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

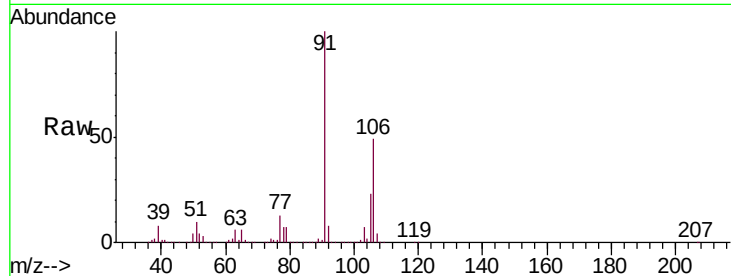
VSTDIC150

Tgt Ion:106 Resp: 6307484

Ion Ratio Lower Upper

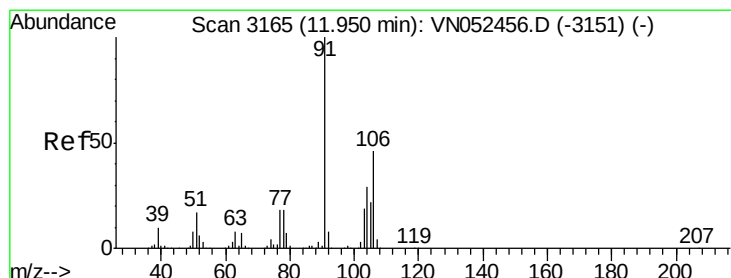
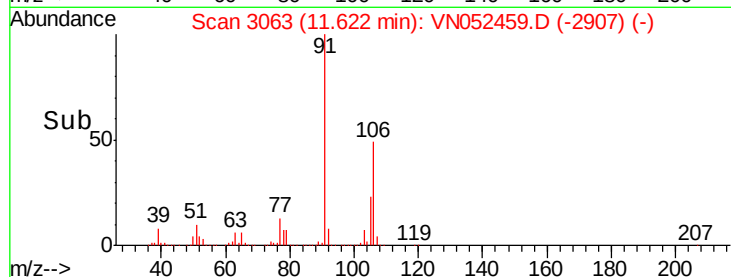
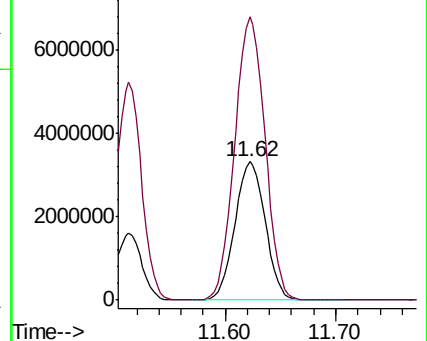
106 100

91 205.1 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 151.883 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052459.D

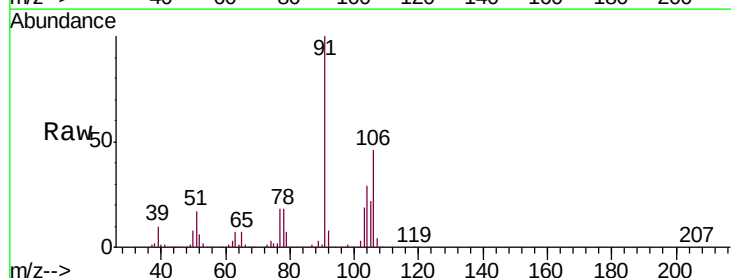
Acq: 26 Nov 2018 14:40

Tgt Ion:106 Resp: 3064759

Ion Ratio Lower Upper

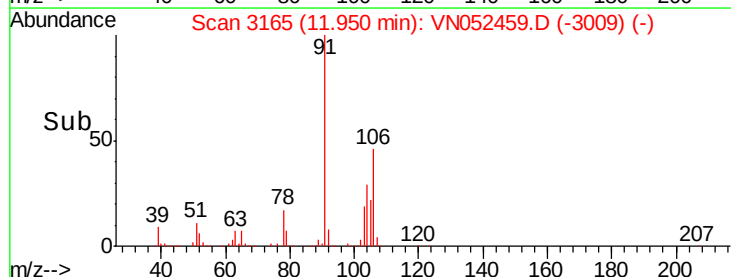
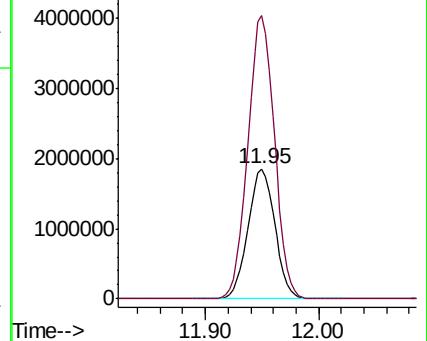
106 100

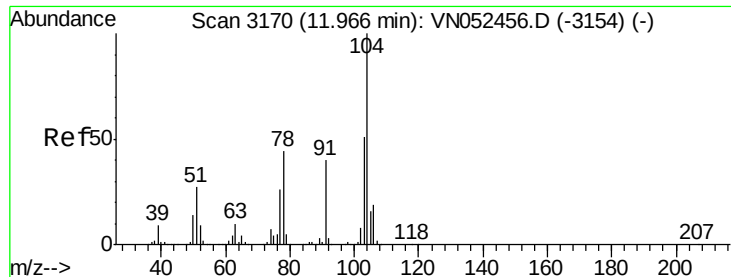
91 216.5 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

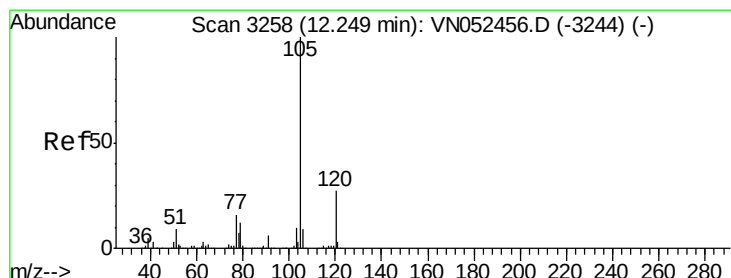
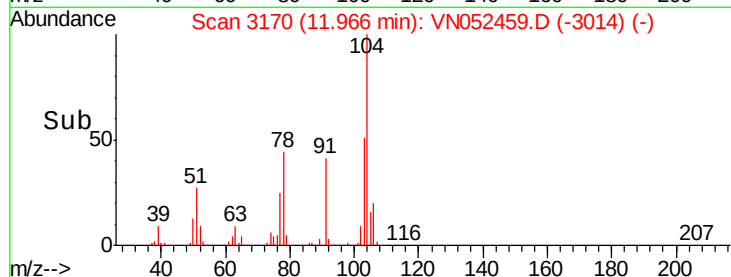
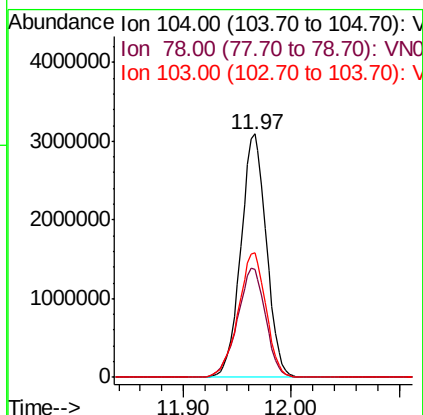
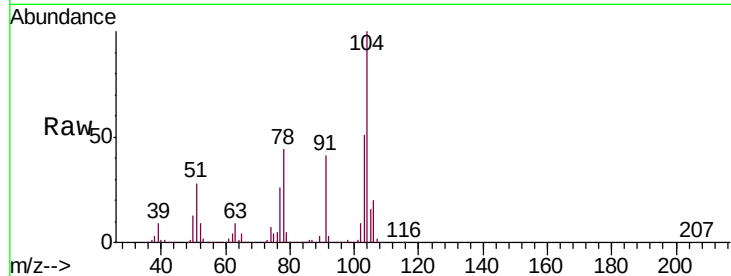




#69
 Styrene
 Concen: 155.848 ug/l
 RT: 11.97 min Scan# 3170
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

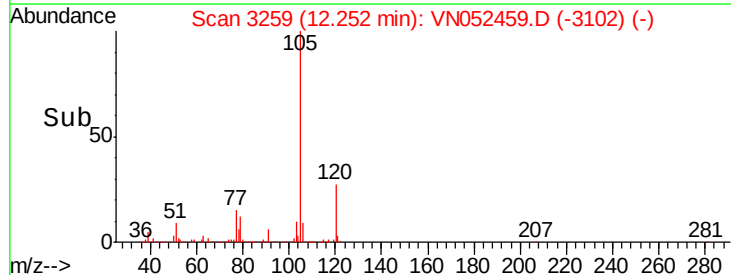
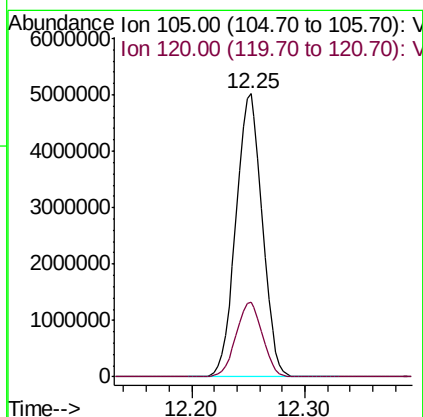
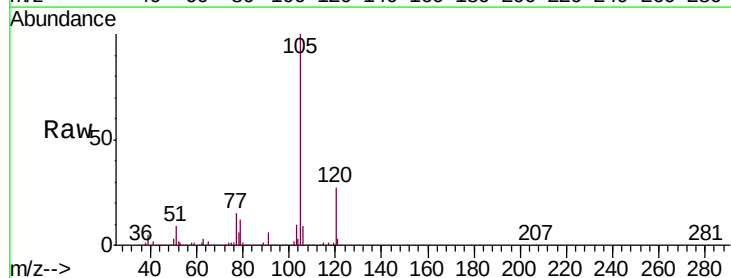
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

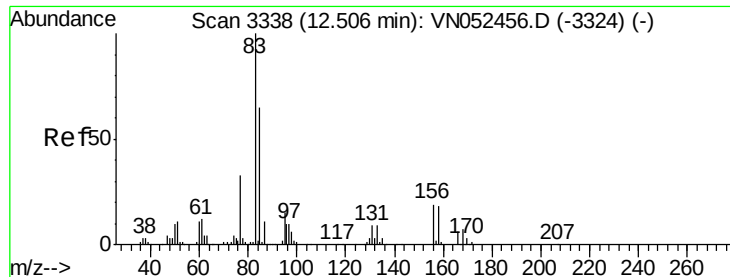
Tgt Ion:104 Resp: 5075922
 Ion Ratio Lower Upper
 104 100
 78 49.5 39.3 58.9
 103 55.6 44.6 66.8



#70
 Isopropylbenzene
 Concen: 151.568 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion:105 Resp: 8137454
 Ion Ratio Lower Upper
 105 100
 120 26.5 18.6 34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 153.448 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

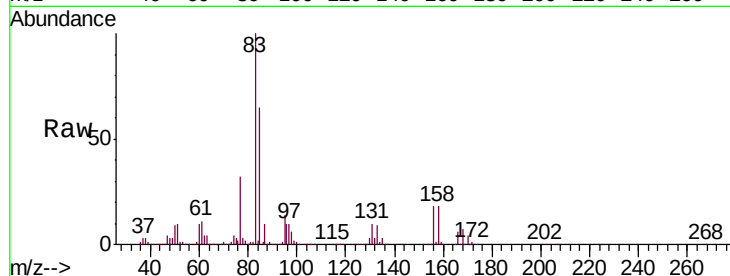
Tgt Ion: 83 Resp: 1792108

Ion Ratio Lower Upper

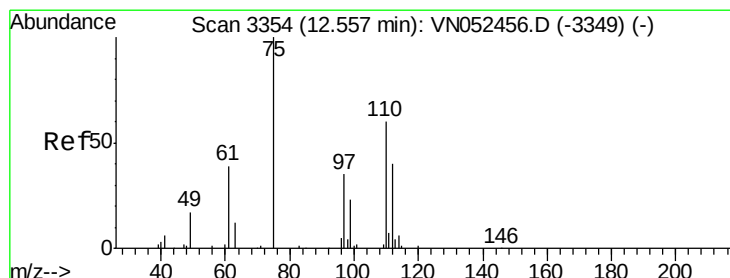
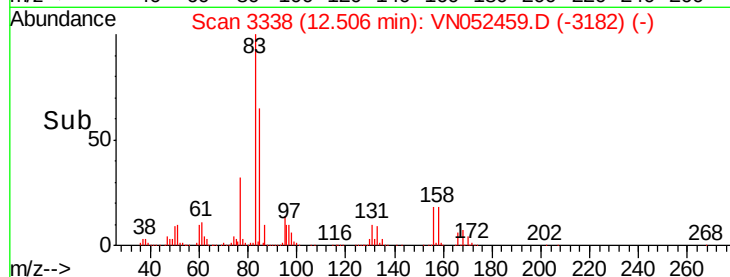
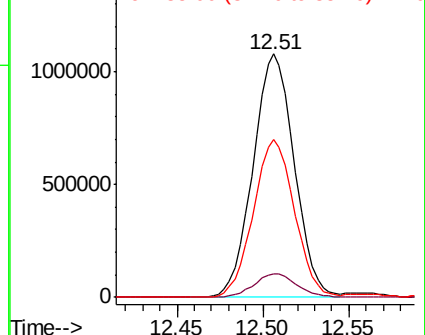
83 100

131 10.1 4.9 14.6

85 64.5 32.2 96.6



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 238.970 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN052459.D

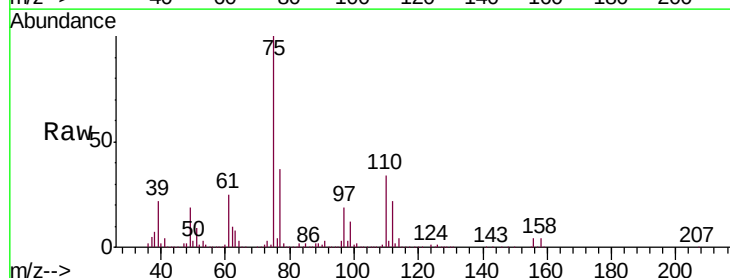
Acq: 26 Nov 2018 14:40

Tgt Ion: 75 Resp: 2330610

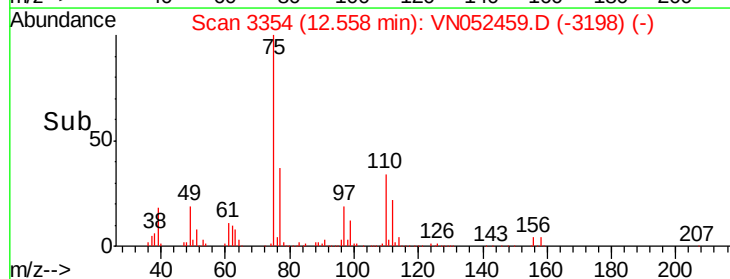
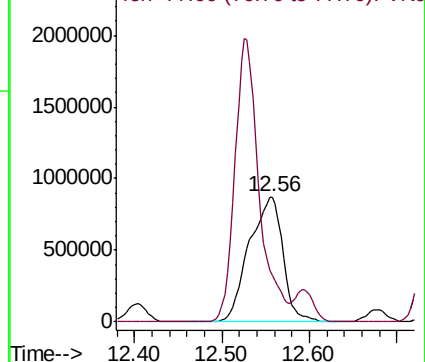
Ion Ratio Lower Upper

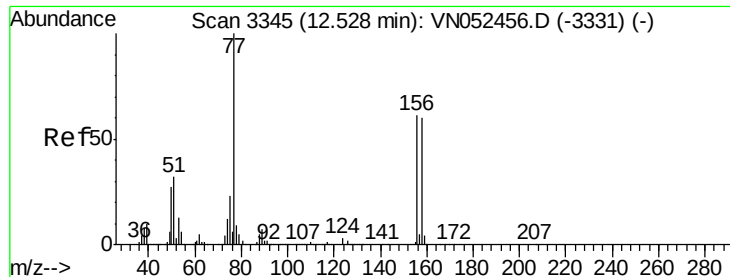
75 100

77 163.5 0.0 514.8



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 154.331 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

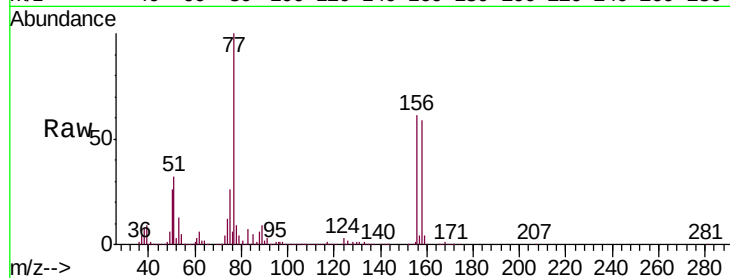
Tgt Ion:156 Resp: 2003983

Ion Ratio Lower Upper

156 100

77 190.2 0.0 382.6

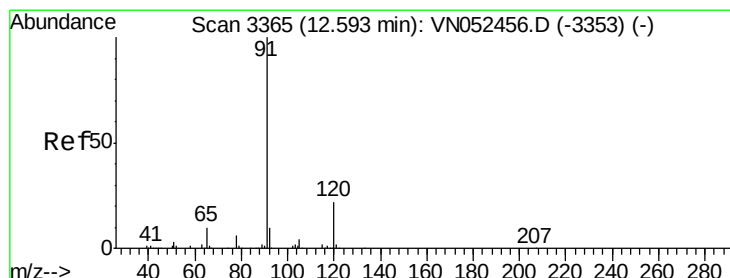
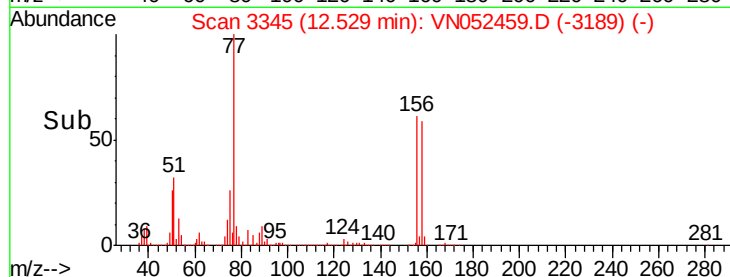
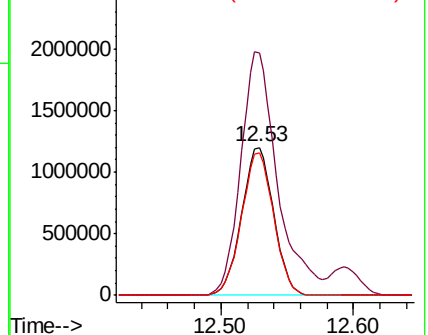
158 97.0 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 153.382 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052459.D

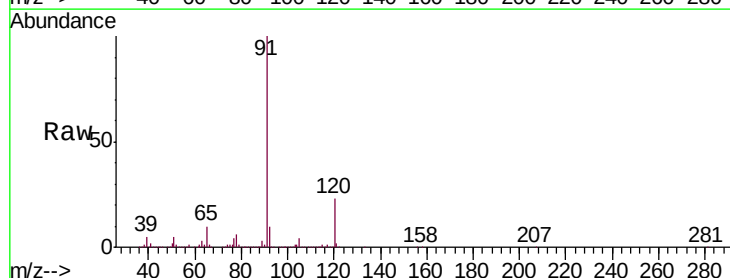
Acq: 26 Nov 2018 14:40

Tgt Ion: 91 Resp: 9594826

Ion Ratio Lower Upper

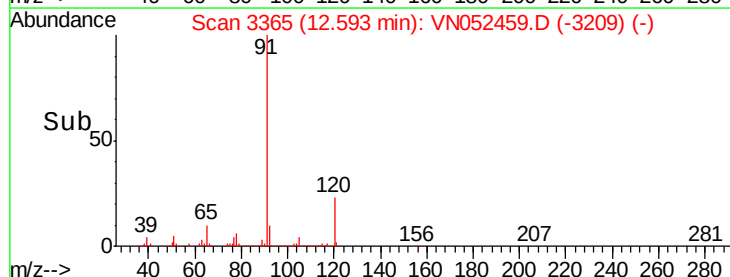
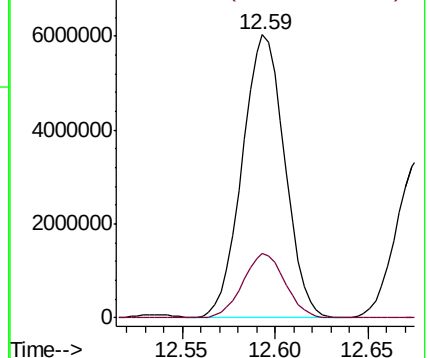
91 100

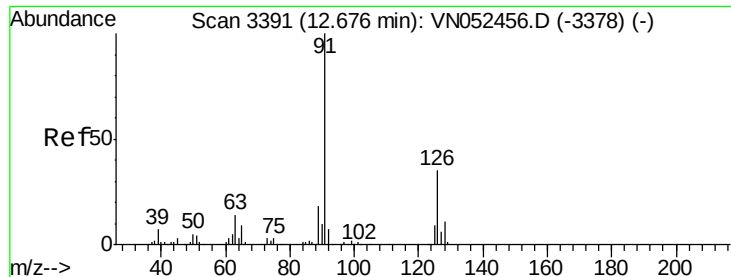
120 22.5 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 152.069 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

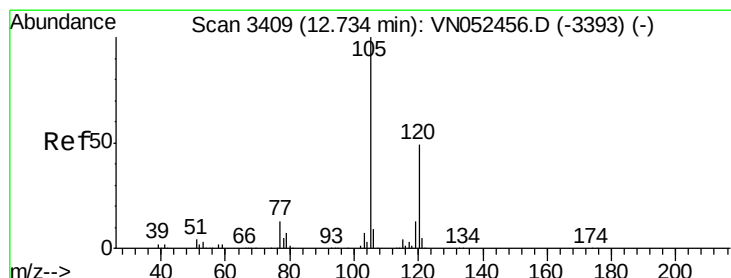
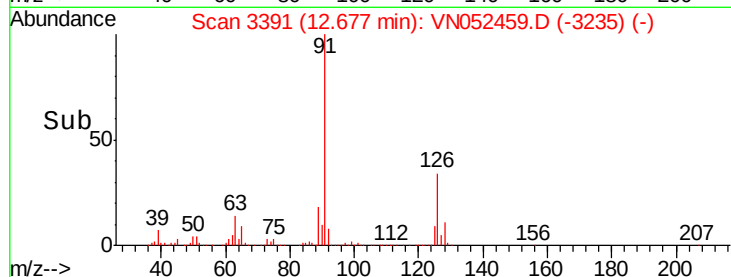
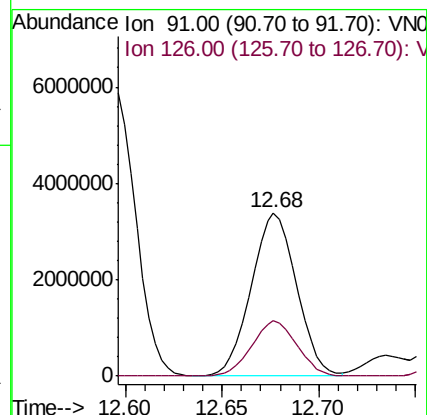
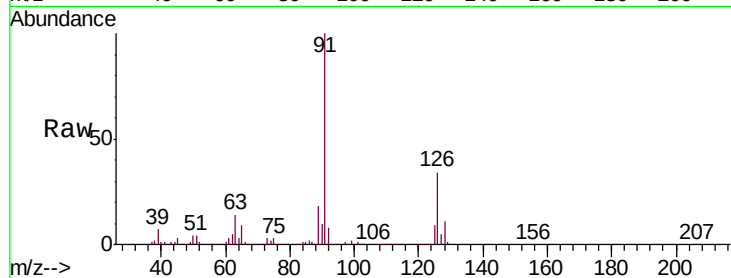
VSTDIC150

Tgt Ion: 91 Resp: 5521591

Ion Ratio Lower Upper

91 100

126 33.9 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 151.845 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052459.D

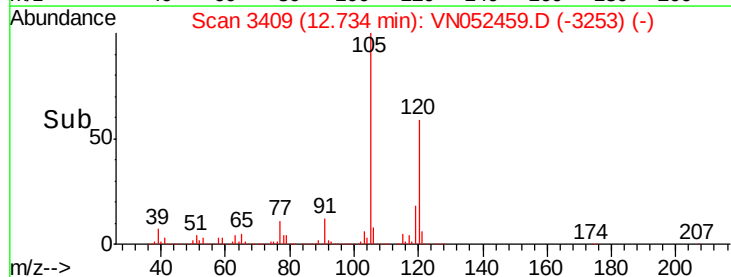
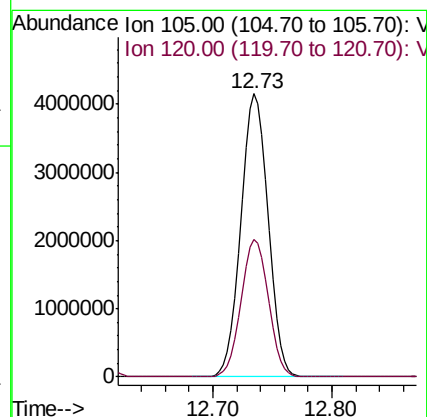
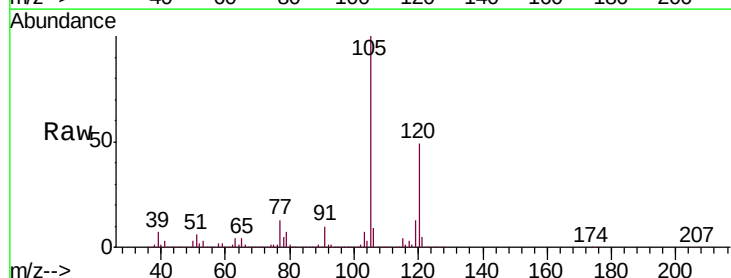
Acq: 26 Nov 2018 14:40

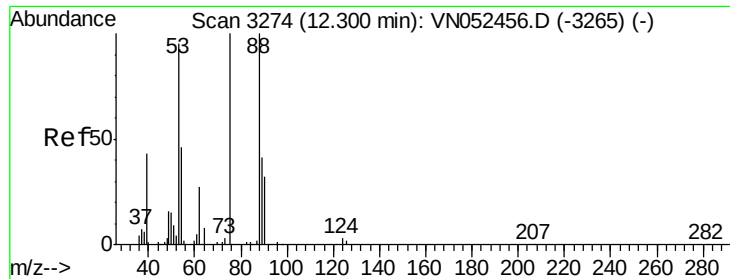
Tgt Ion: 105 Resp: 6584743

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 174.771 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

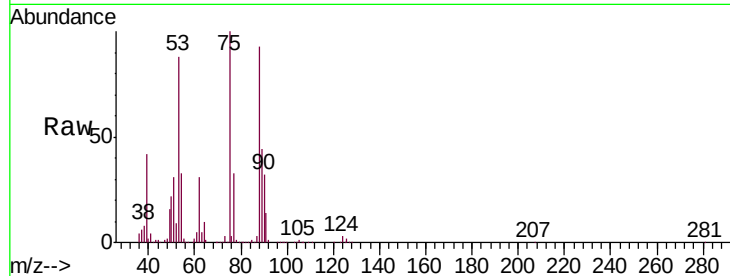
Tgt Ion: 75 Resp: 553507

Ion Ratio Lower Upper

75 100

53 88.0 48.5 145.6

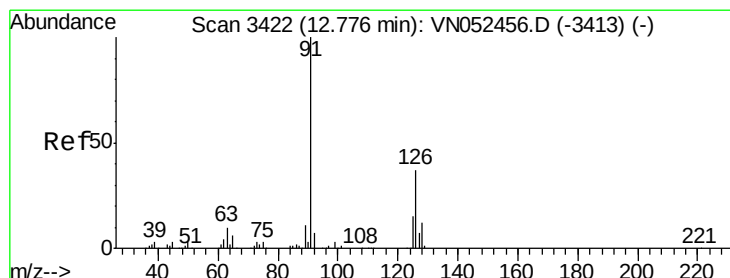
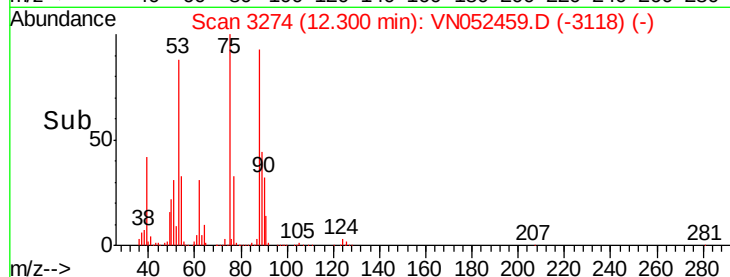
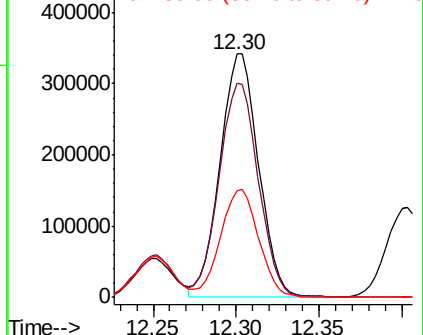
89 44.0 21.7 65.1



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: 155.399 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN052459.D

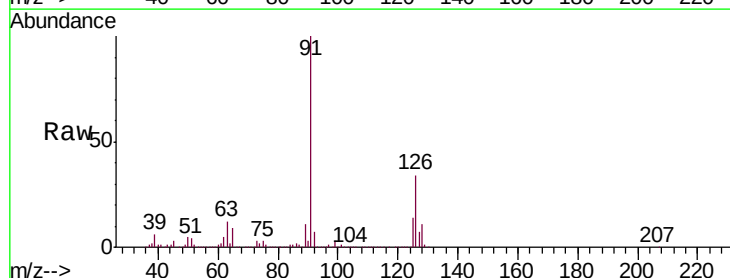
Acq: 26 Nov 2018 14:40

Tgt Ion: 91 Resp: 5634769

Ion Ratio Lower Upper

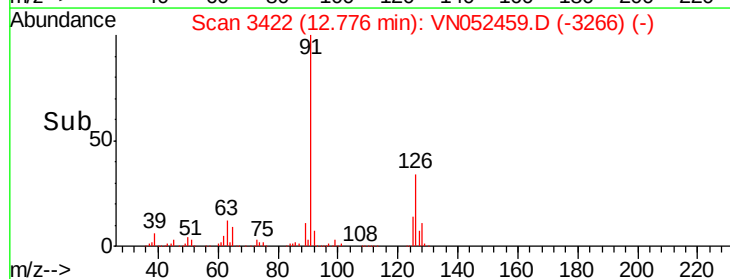
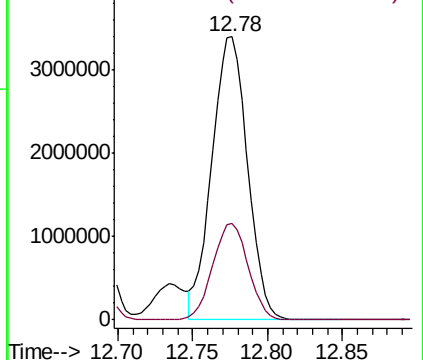
91 100

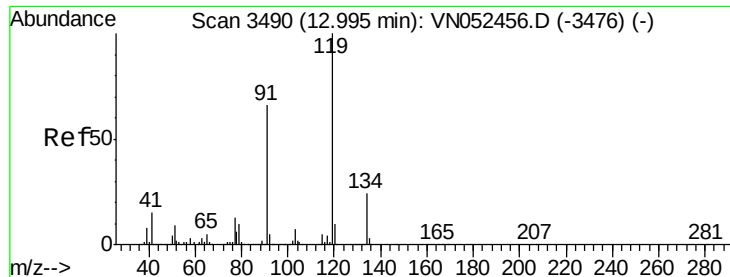
126 34.0 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

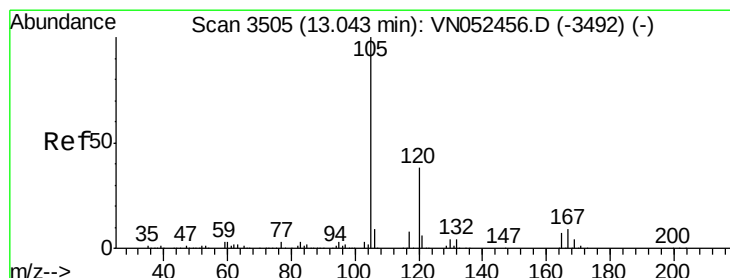
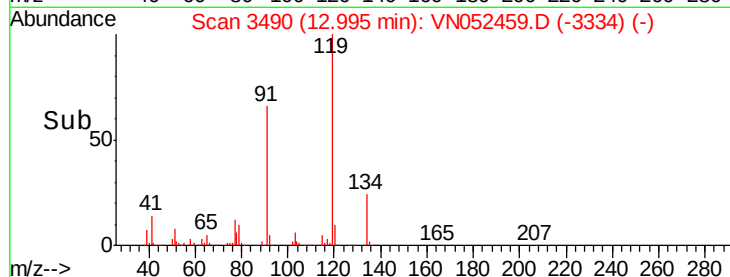
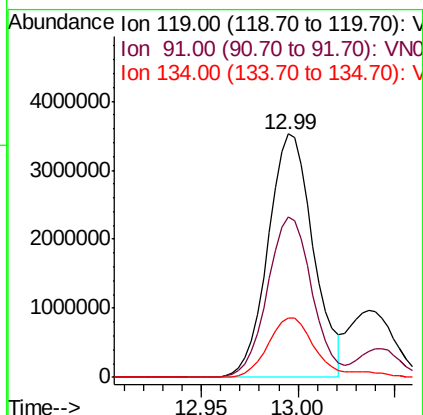
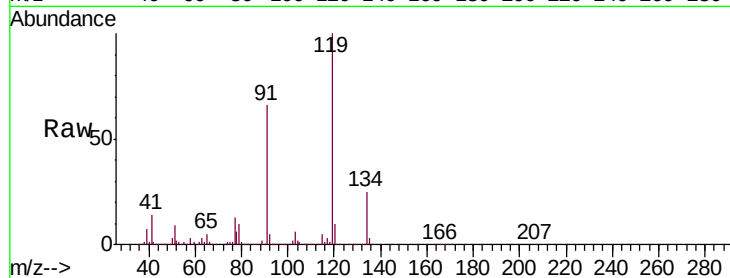




#79
 tert-butylbenzene
 Concen: 151.676 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

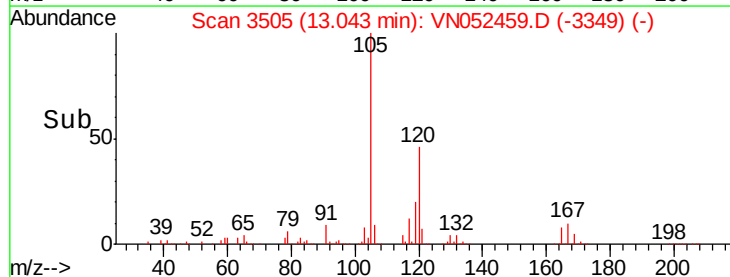
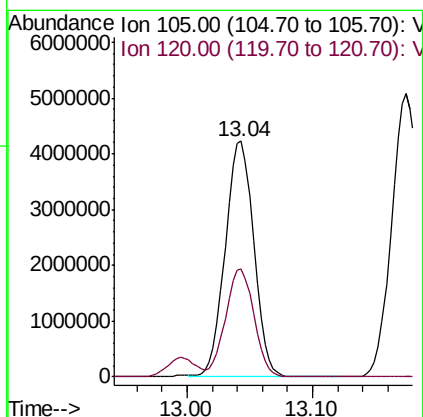
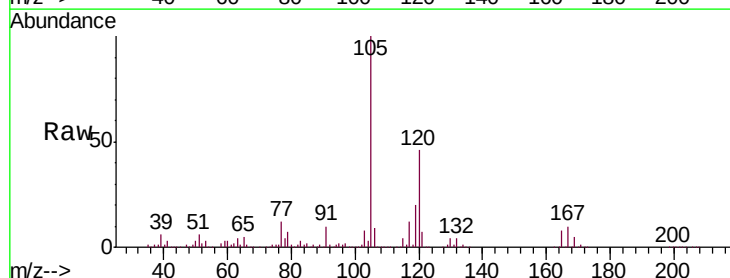
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

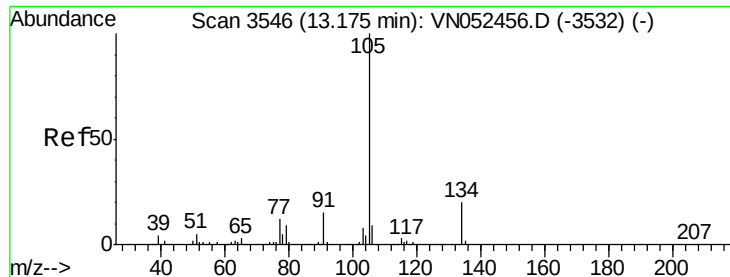
Tgt Ion:119 Resp: 5728165
 Ion Ratio Lower Upper
 119 100
 91 64.8 0.0 129.8
 134 24.7 0.0 52.2



#80
 1,2,4-Trimethylbenzene
 Concen: 154.182 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion:105 Resp: 6690202
 Ion Ratio Lower Upper
 105 100
 120 45.5 0.0 91.0

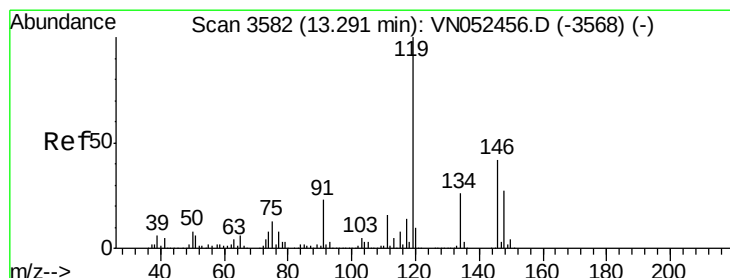
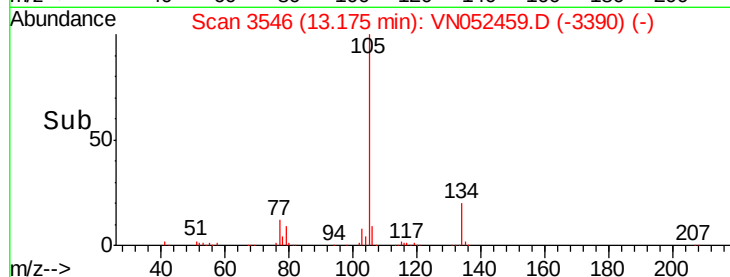
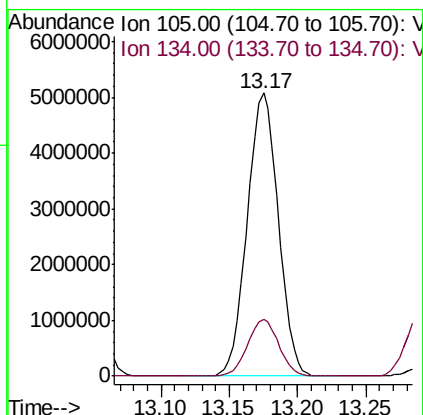
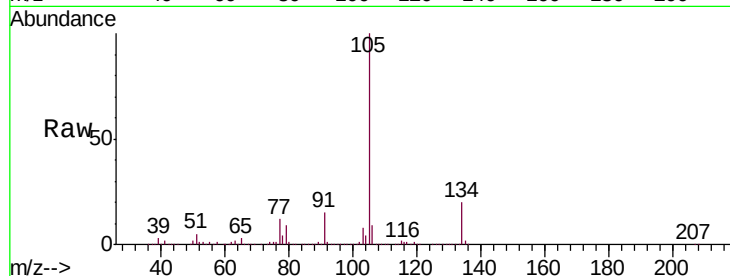




#81
 sec-Butylbenzene
 Concen: 152.624 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

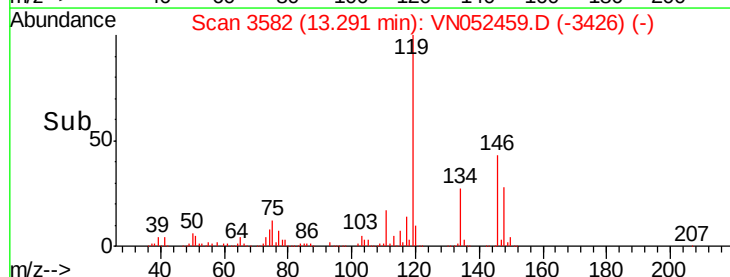
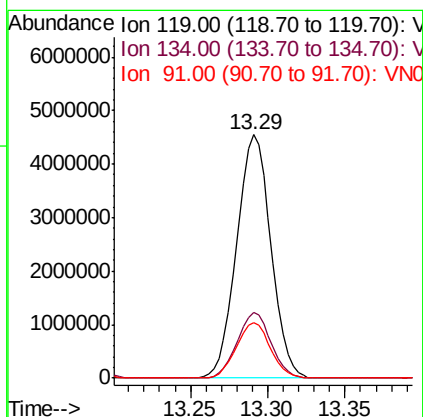
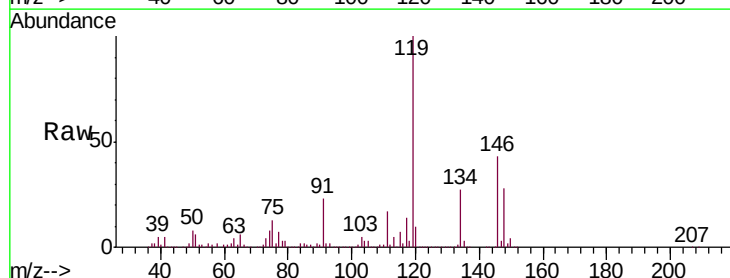
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

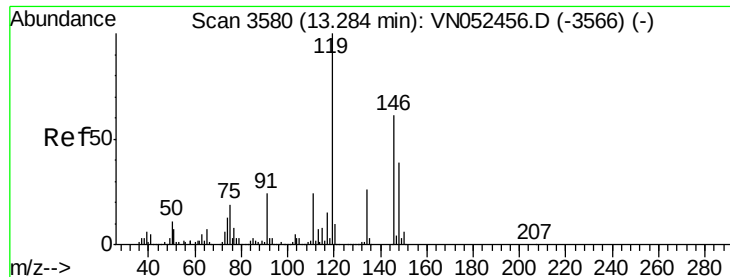
Tgt Ion:105 Resp: 8028388
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 155.628 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion:119 Resp: 6970909
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 22.7 0.0 46.2





#83

1,3-Dichlorobenzene

Concen: 156.481 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

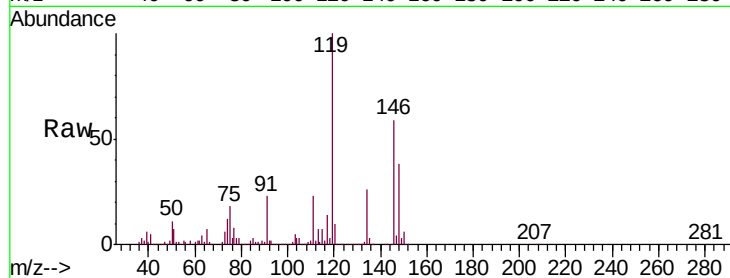
Tgt Ion:146 Resp: 3573612

Ion Ratio Lower Upper

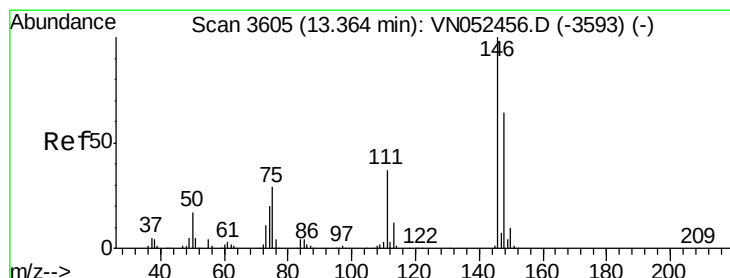
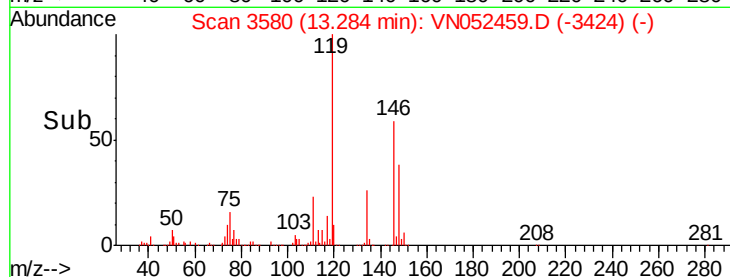
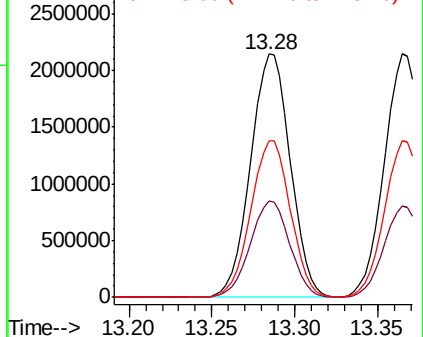
146 100

111 39.2 19.7 59.0

148 64.2 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 158.972 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

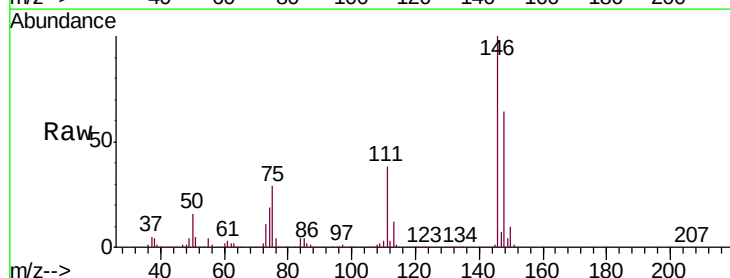
Tgt Ion:146 Resp: 3507644

Ion Ratio Lower Upper

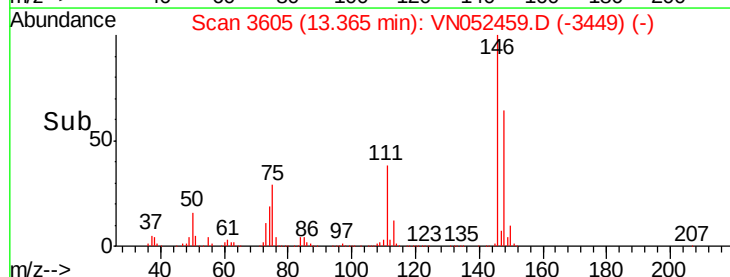
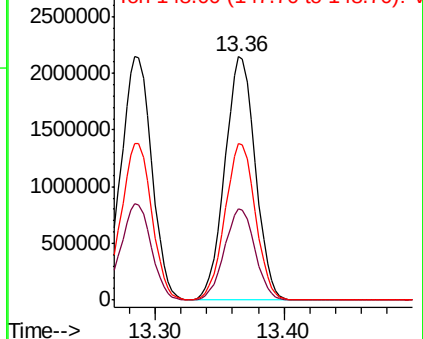
146 100

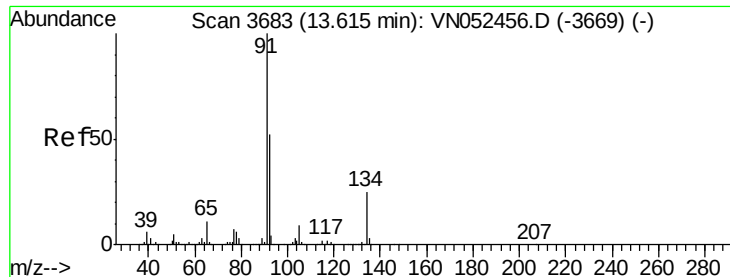
111 37.5 18.8 56.3

148 64.2 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 162.237 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

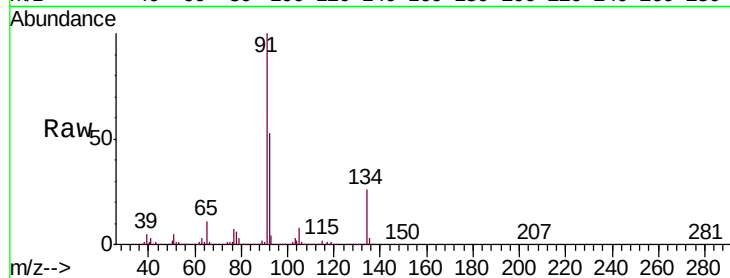
Tgt Ion: 91 Resp: 6242131

Ion Ratio Lower Upper

91 100

92 52.6 0.0 104.2

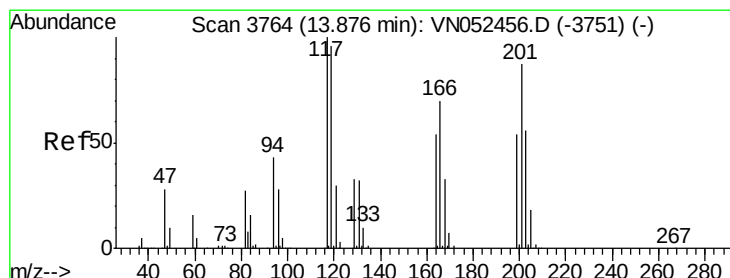
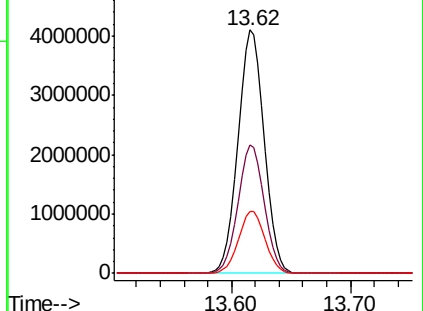
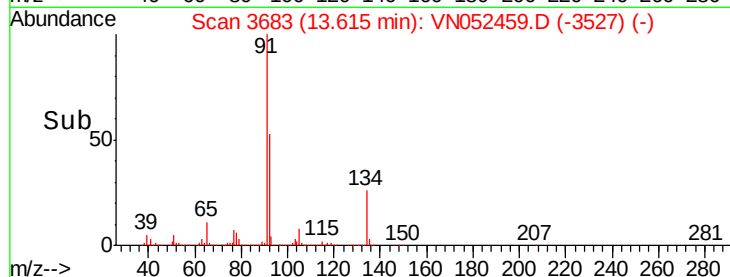
134 25.7 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN052456.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN052456.D (-3669) (-)



#86

Hexachloroethane

Concen: 158.608 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052459.D

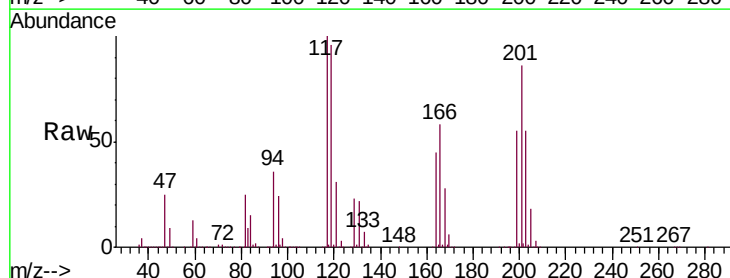
Acq: 26 Nov 2018 14:40

Tgt Ion: 117 Resp: 1203732

Ion Ratio Lower Upper

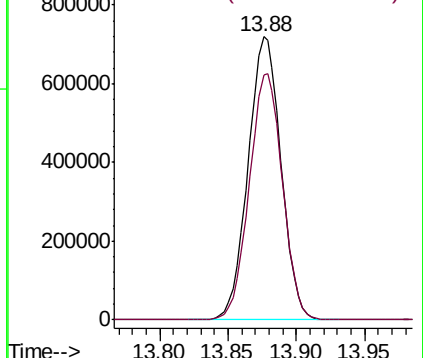
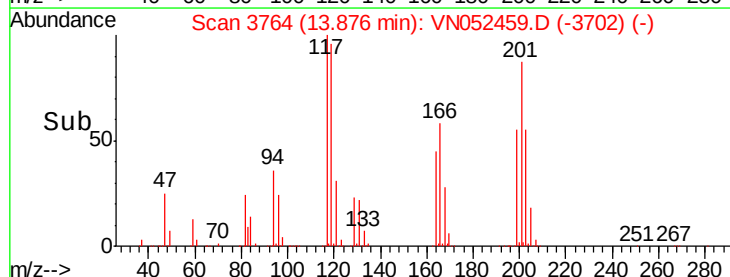
117 100

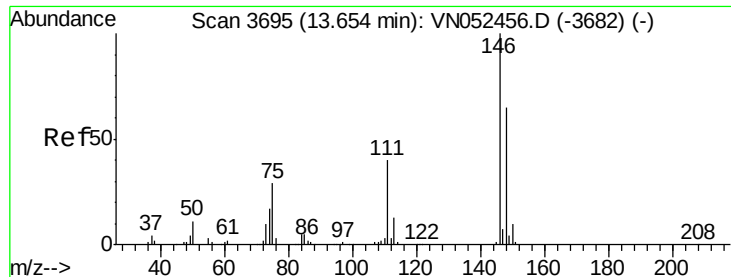
201 87.6 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052456.D (-3751) (-)

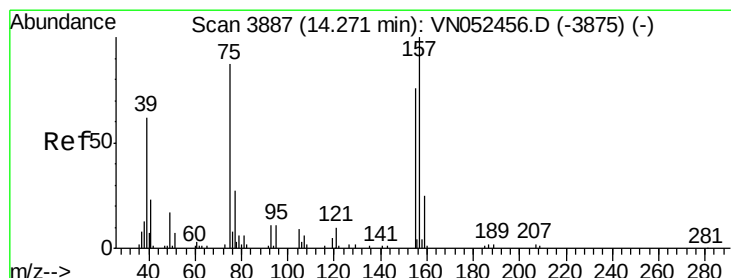
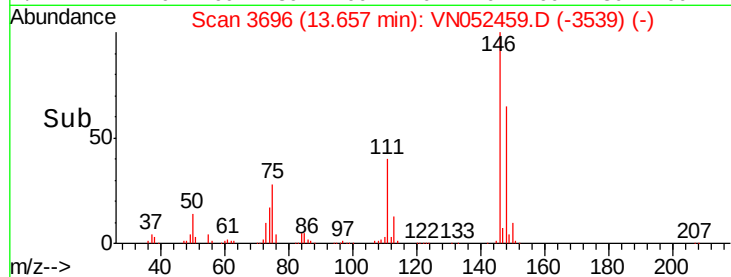
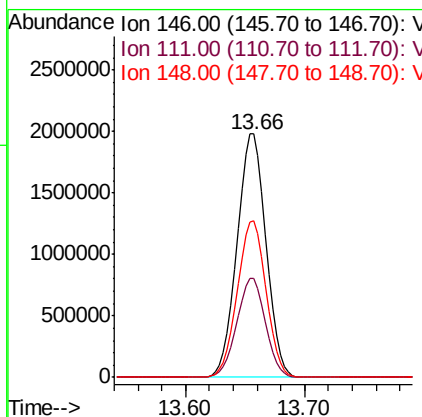
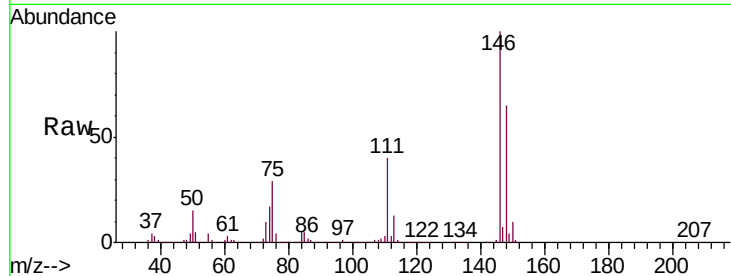




#87
 1,2-Dichlorobenzene
 Concen: 153.173 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

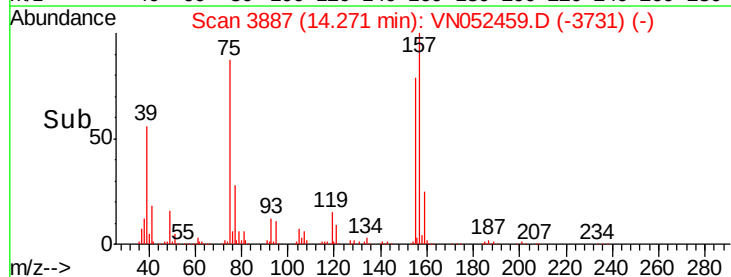
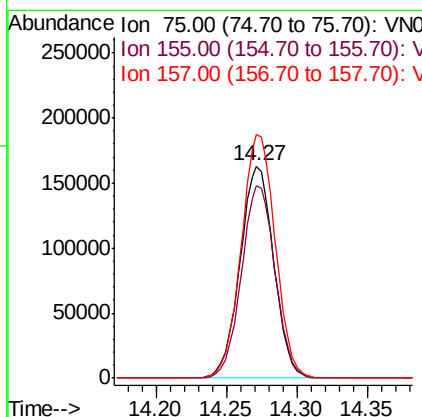
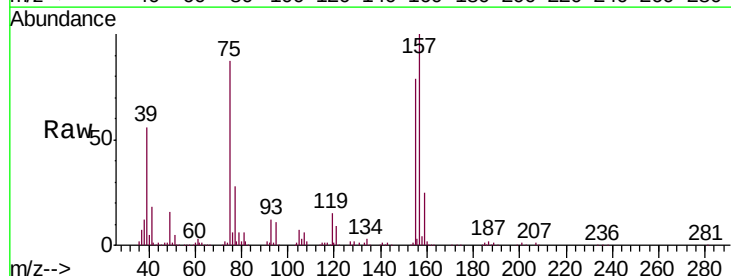
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

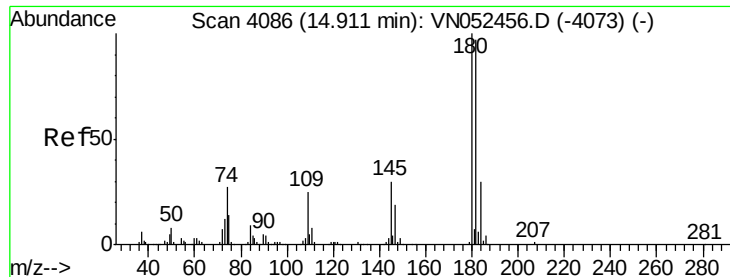
Tgt Ion:146 Resp: 3328826
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.3 60.8
 148 64.0 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 166.593 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion: 75 Resp: 272535
 Ion Ratio Lower Upper
 75 100
 155 90.6 72.2 108.2
 157 115.8 94.2 141.2

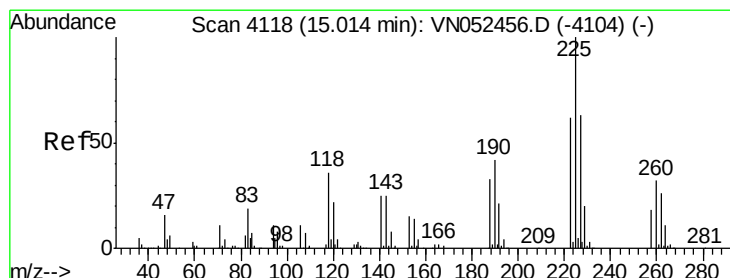
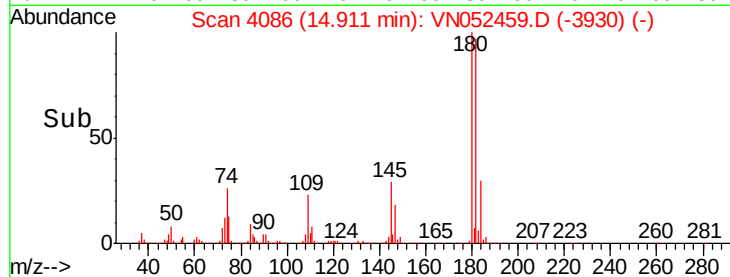
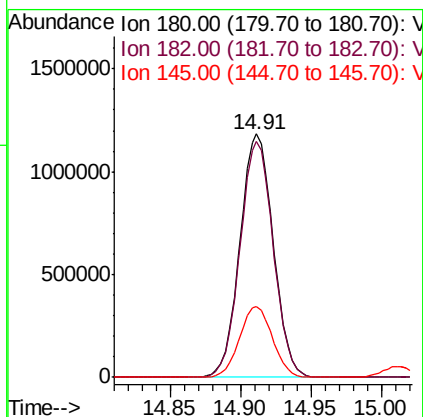
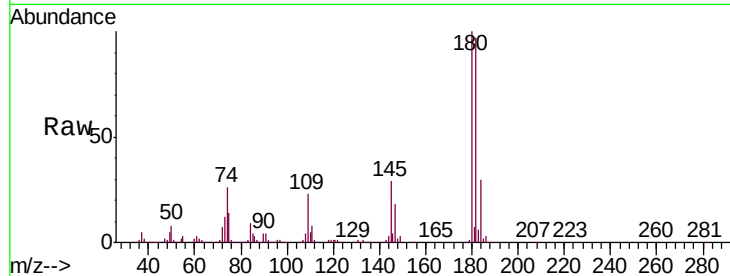




#89
 1,2,4-Trichlorobenzene
 Concen: 182.585 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

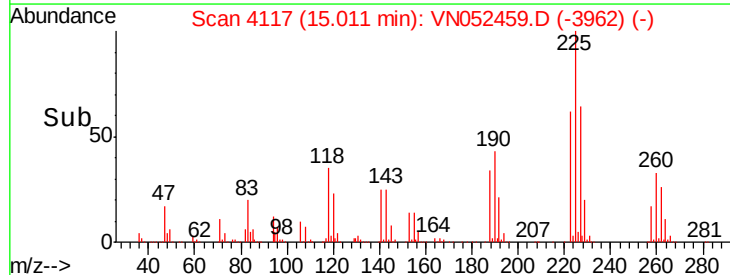
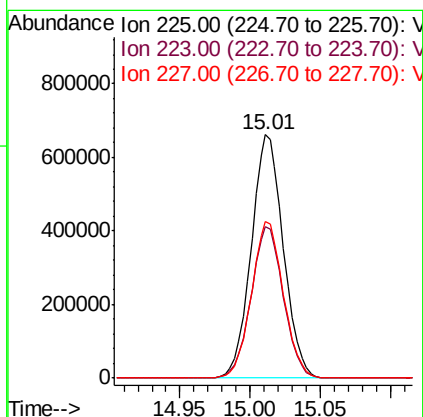
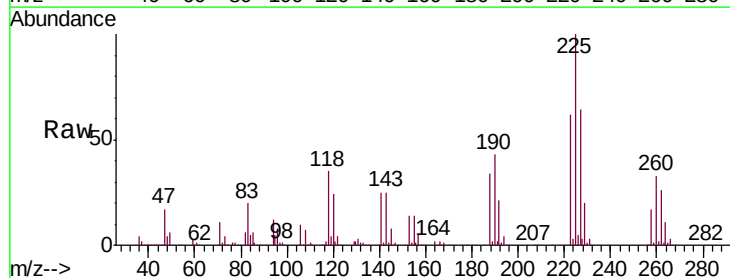
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

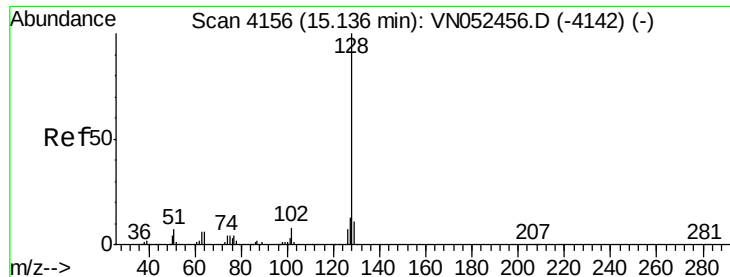
Tgt Ion:180 Resp: 1954955
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.6 114.8
 145 28.9 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 149.729 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052459.D
 Acq: 26 Nov 2018 14:40

Tgt Ion:225 Resp: 1051667
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 125.6
 227 64.0 0.0 127.8





#91

Naphthalene

Concen: 187.251 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

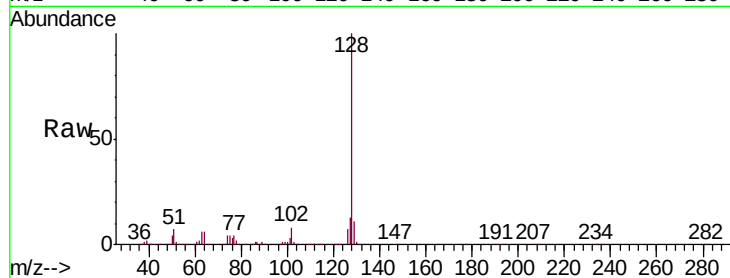
Tgt Ion:128 Resp: 4048734

Ion Ratio Lower Upper

128 100

127 12.7 9.9 14.9

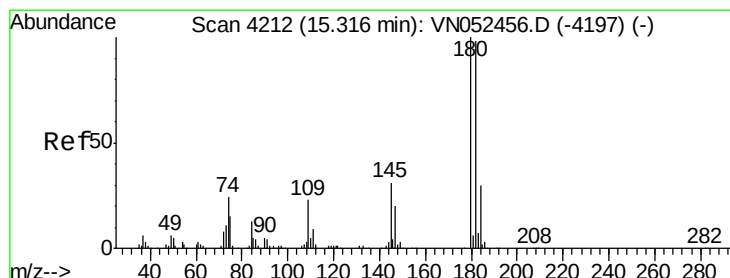
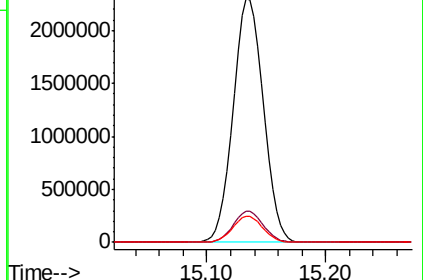
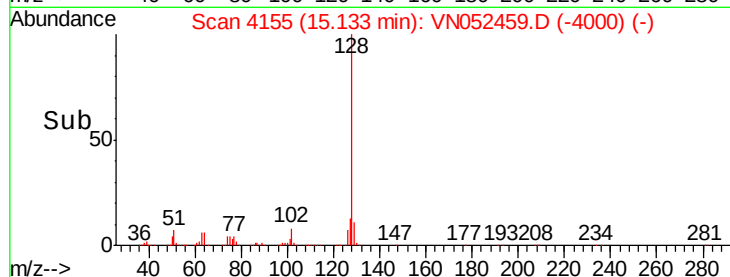
129 10.7 8.5 12.7



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: 179.328 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052459.D

Acq: 26 Nov 2018 14:40

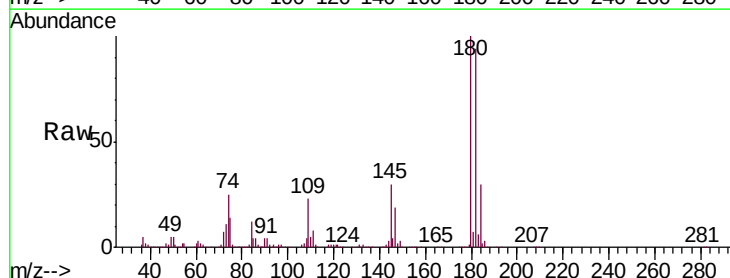
Tgt Ion:180 Resp: 1769463

Ion Ratio Lower Upper

180 100

182 94.7 0.0 196.2

145 30.3 0.0 62.2



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

