

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052642.D
 Acq On : 3 Dec 2018 20:03
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Dec 04 00:26:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	159652	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	915294	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	805204	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325607	29.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.77%
60) 4-Bromofluorobenzene	12.40	95	366234	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	10.09	98	1103925	29.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	165687	18.222	ug/l 99
3) Chloromethane	2.06	50	218459	18.116	ug/l 100
4) Vinyl Chloride	2.19	62	230129	18.908	ug/l 98
5) Bromomethane	2.58	94	139891	20.158	ug/l 97
6) Chloroethane	2.71	64	137576	19.008	ug/l 99
7) Trichlorofluoromethane	3.02	101	290598	19.346	ug/l 96
8) Diethyl Ether	3.42	74	109589	19.759	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	180099	18.914	ug/l 97
10) 1,1-Dichloroethene	3.74	96	176254	19.687	ug/l 96
11) Methyl Iodide	3.96	142	257175	20.689	ug/l 99
12) Methyl Acetate	4.33	43	165184	21.715	ug/l 99
13) Acrolein	3.61	56	71322	79.817	ug/l 97
14) Acrylonitrile	4.99	53	332234	102.503	ug/l 97
15) Acetone	3.82	58	74103	88.281	ug/l 100
16) Carbon Disulfide	4.06	76	492210	17.365	ug/l 100
17) Allyl chloride	4.33	41	293886	18.822	ug/l 98
18) Methylene Chloride	4.55	84	206268	19.898	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	185220	19.224	ug/l 97
20) Diisopropyl ether	5.95	45	635575	19.370	ug/l 99
21) 1,1-Dichloroethane	5.85	63	361151	19.312	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	218643	19.801	ug/l 97
23) tert-Butyl Alcohol	4.78	59	57766	119.807	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	487418	20.753	ug/l 98
25) Chloroform	7.37	83	353979	19.620	ug/l 99
26) Cyclohexane	7.65	56	318172	18.039	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	266324	19.054	ug/l 98
30) 2-Butanone	6.84	43	372729	99.656	ug/l 99
31) 2,2-Dichloropropane	6.83	77	238526	18.536	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	291442	20.039	ug/l 98
33) Carbon Tetrachloride	7.78	117	249792	19.629	ug/l 99
34) Benzene	8.04	78	827291	19.686	ug/l 99
35) Methacrylonitrile	7.17	41	76645	16.517	ug/l 98
36) 1,2-Dichloroethane	8.13	62	256284	20.125	ug/l 99
37) Trichloroethene	8.84	130	211758	19.872	ug/l 98
38) Methylcyclohexane	9.08	83	316322	18.282	ug/l 98
39) 1,2-Dichloropropane	9.12	63	218172	19.368	ug/l 95
40) Dibromomethane	9.21	93	126547	20.788	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	266624	19.824	ug/l	99
42) Vinyl Acetate	5.90	43	2015856	99.615	ug/l	98
43) Ethyl Acetate	6.93	43	172220	21.655	ug/l #	70
44) Isopropyl Acetate	8.17	43	337389	24.189	ug/l #	86
45) 1,4-Dioxane	9.20	88	35266	462.172	ug/l	92
46) Methyl methacrylate	9.20	41	151939	20.980	ug/l	97
47) n-amyl Acetate	12.07	43	236596	20.458	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	256855	19.696	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	309438	19.476	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	182492	21.149	ug/l	99
51) Ethyl methacrylate	10.43	69	227744	21.015	ug/l	97
52) 1,3-Dichloropropane	10.71	76	313189	20.391	ug/l	99
53) Dibromochloromethane	10.90	129	197051	20.742	ug/l	99
54) 1,2-Dibromoethane	11.01	107	177507	21.052	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	687916	108.440	ug/l	99
56) Bromoform	12.13	173	130893	21.079	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	843613	108.069	ug/l	99
59) 2-Hexanone	10.75	43	551837	103.485	ug/l	97
61) Tetrachloroethene	10.63	164	210226	21.198	ug/l	95
62) Toluene	10.16	91	881252	19.853	ug/l	100
64) Chlorobenzene	11.44	112	541028	19.969	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	190257	20.231	ug/l	99
66) Ethyl Benzene	11.51	91	939813	19.645	ug/l	99
67) m/p-Xylenes	11.62	106	714440	40.085	ug/l	98
68) o-Xylene	11.95	106	348734	20.159	ug/l	99
69) Styrene	11.97	104	557201	19.955	ug/l	99
70) Isopropylbenzene	12.25	105	921118	20.012	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	217334	21.706	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	263021	30.602	ug/l	44
73) Bromobenzene	12.53	156	230417	20.698	ug/l	95
74) n-propylbenzene	12.59	91	1039299	19.379	ug/l	100
75) 2-Chlorotoluene	12.68	91	624491	20.062	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	752157	20.232	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	52248	19.243	ug/l	94
78) 4-Chlorotoluene	12.77	91	610251	19.631	ug/l	99
79) tert-butylbenzene	12.99	119	658045	20.325	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	749876	20.158	ug/l	100
81) sec-Butylbenzene	13.17	105	886162	19.650	ug/l	99
82) p-Isopropyltoluene	13.29	119	753850	19.631	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	393969	20.122	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	379188	20.046	ug/l	99
85) n-Butylbenzene	13.62	91	603277	18.289	ug/l	99
86) Hexachloroethane	13.88	117	125529	19.293	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	388040	20.827	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31286	22.307	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	179846	19.593	ug/l	99
90) Hexachlorobutadiene	15.01	225	118867	19.740	ug/l	99
91) Naphthalene	15.13	128	373737	20.162	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	173829	20.549	ug/l	98

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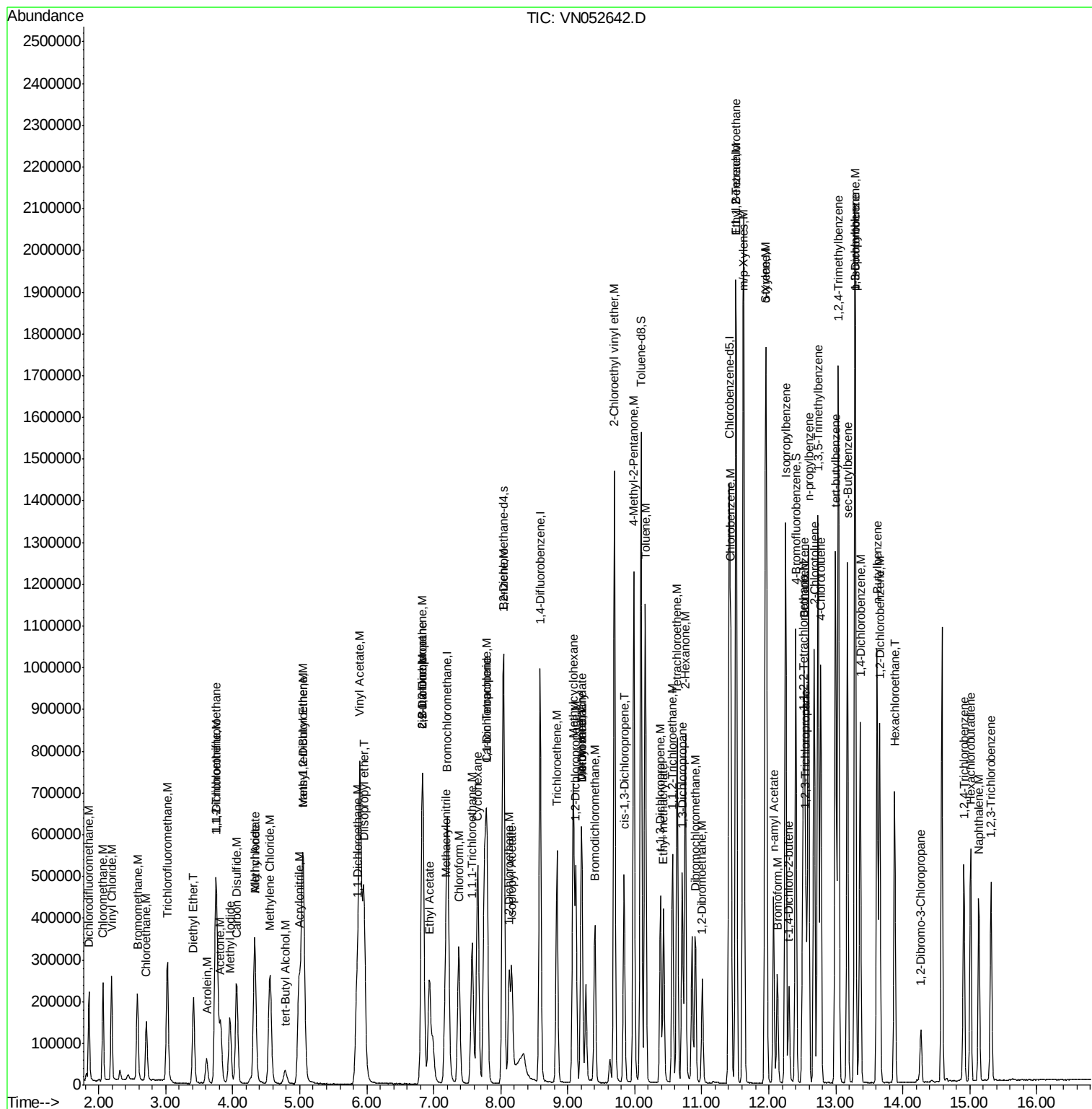
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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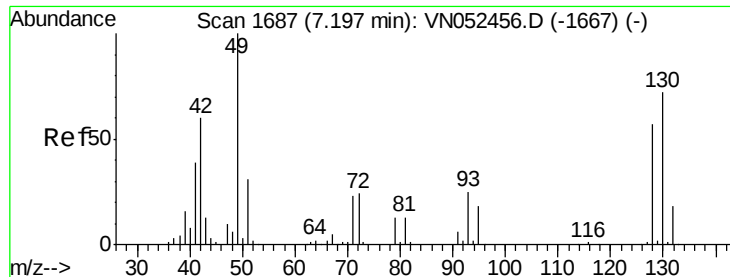
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 04 00:26:06 2018
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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: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

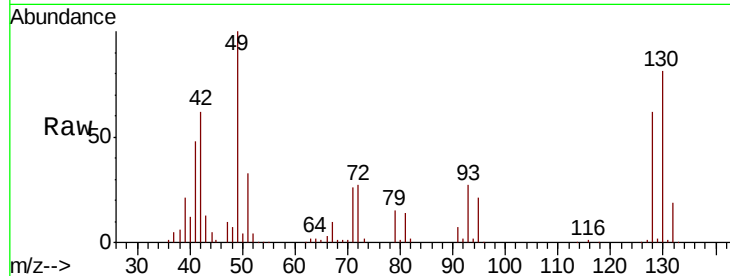
Tot Ion:128 Resp: 159652

Ion Ratio Lower Upper

128 100

49 162.7 0.0 431.8

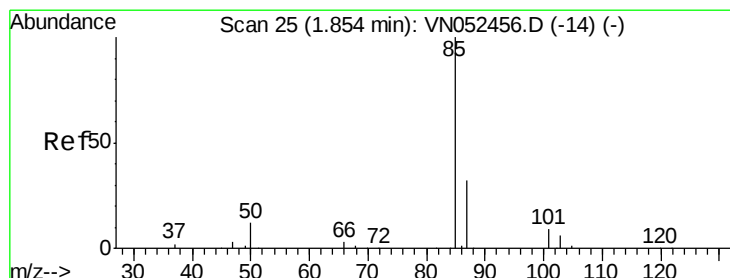
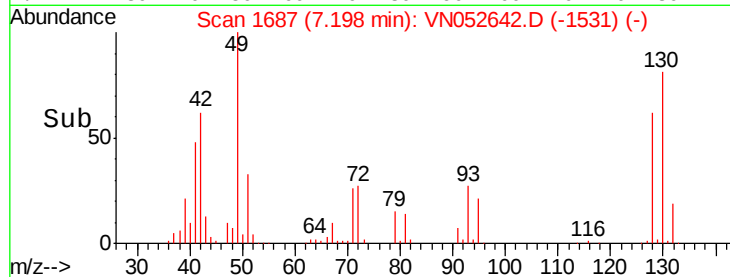
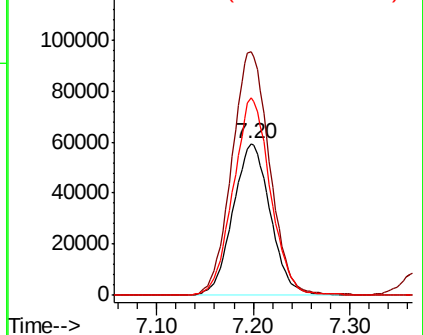
130 129.2 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.222 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052642.D

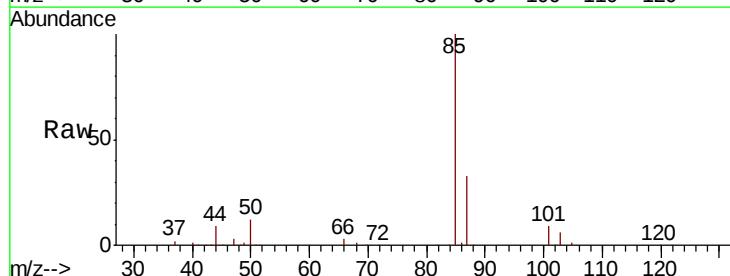
Acq: 3 Dec 2018 20:03

Tgt Ion: 85 Resp: 165687

Ion Ratio Lower Upper

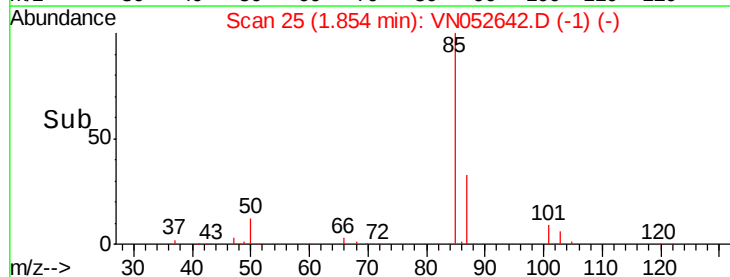
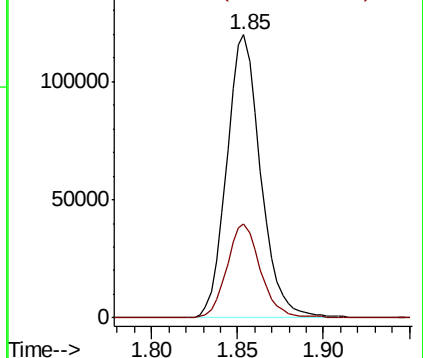
85 100

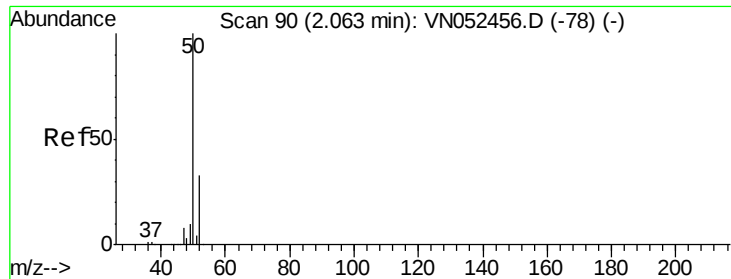
87 33.0 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.116 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

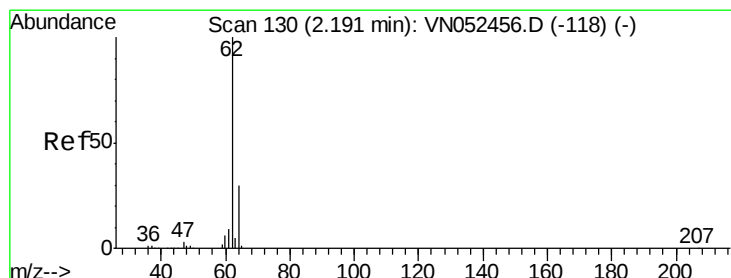
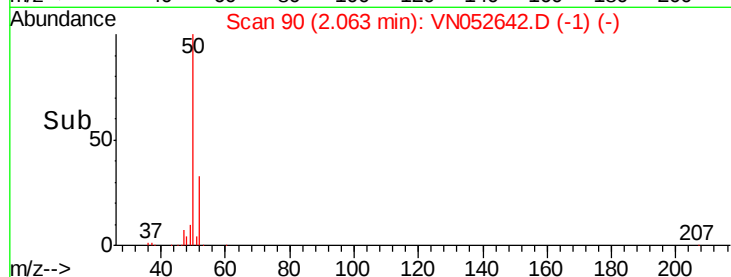
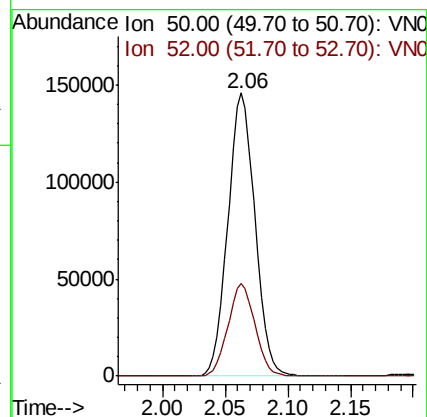
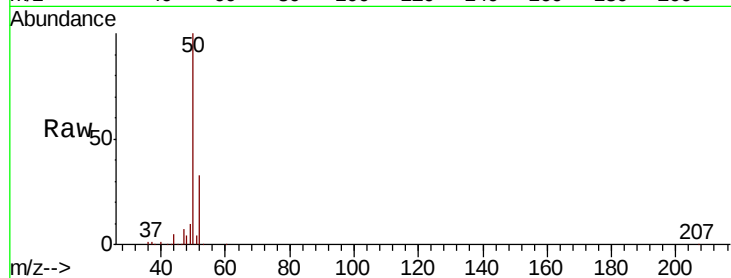
VSTDCCC020EC

Tot Ion: 50 Resp: 218459

Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7



#4

Vinyl Chloride

Concen: 18.908 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052642.D

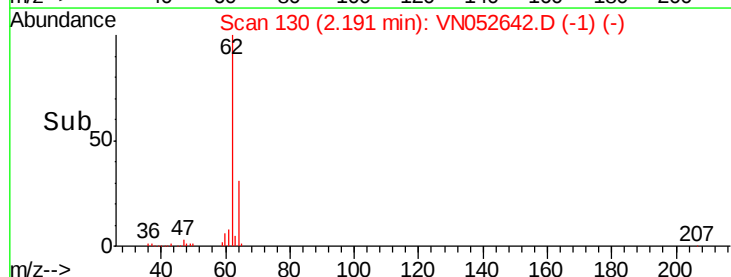
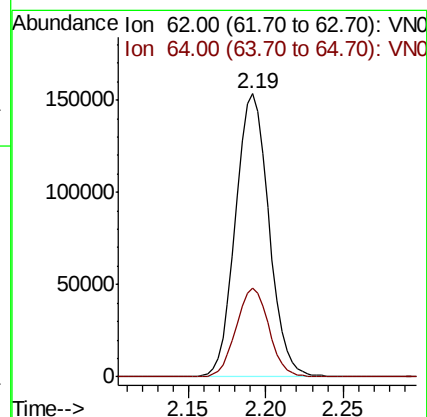
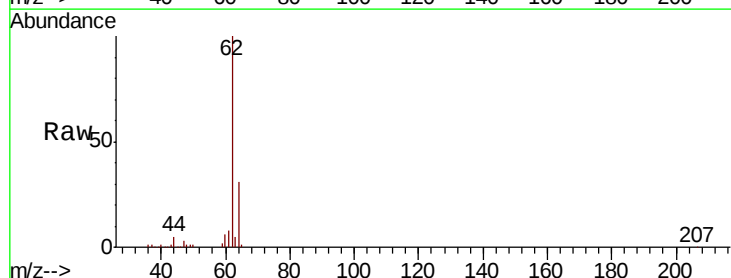
Acq: 3 Dec 2018 20:03

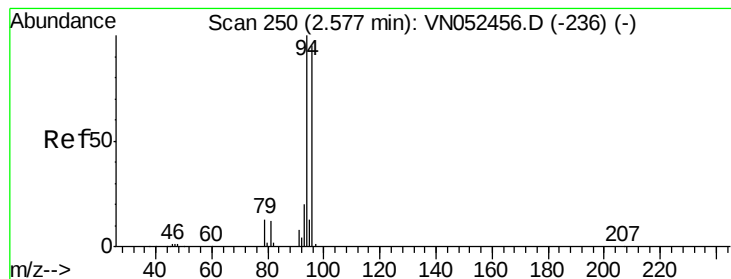
Tgt Ion: 62 Resp: 230129

Ion Ratio Lower Upper

62 100

64 31.3 24.2 36.4





#5

Bromomethane

Concen: 20.158 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

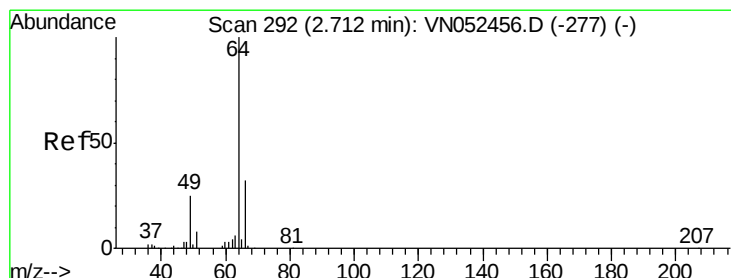
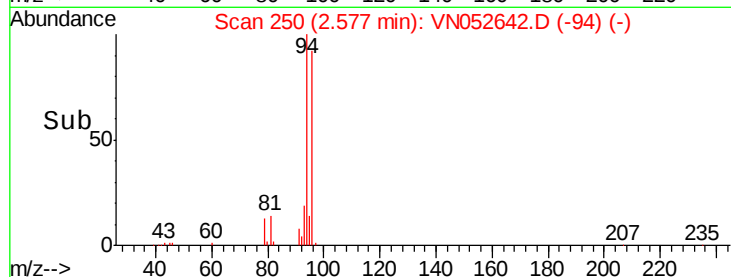
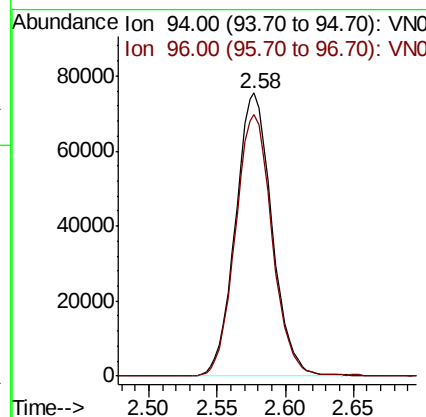
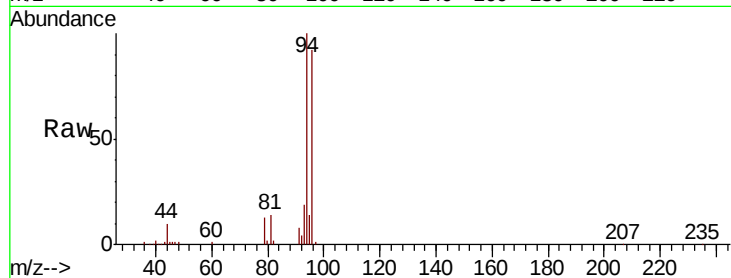
VSTDCCC020EC

Tot Ion: 94 Resp: 139891

Ion Ratio Lower Upper

94 100

96 92.3 76.2 114.2



#6

Chloroethane

Concen: 19.008 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052642.D

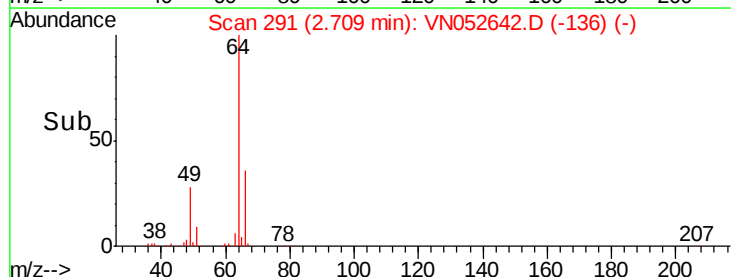
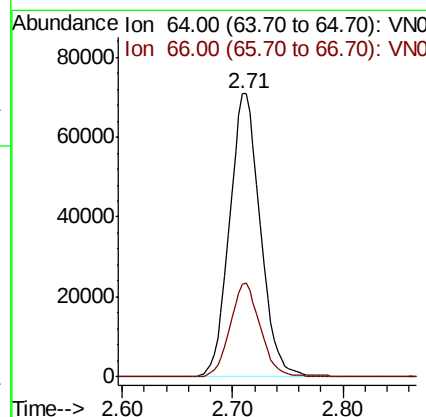
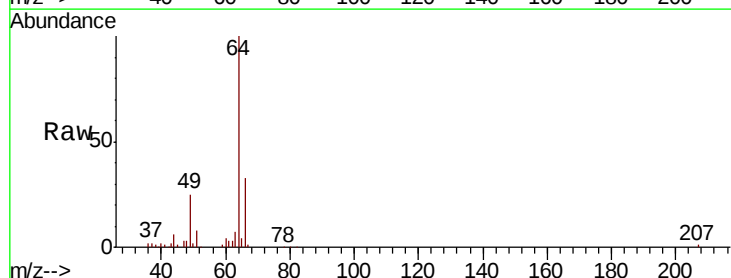
Acq: 3 Dec 2018 20:03

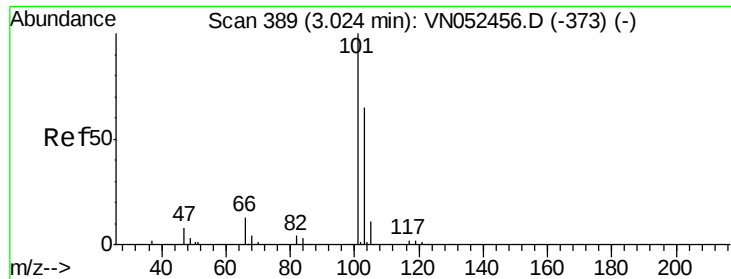
Tgt Ion: 64 Resp: 137576

Ion Ratio Lower Upper

64 100

66 32.7 25.6 38.4



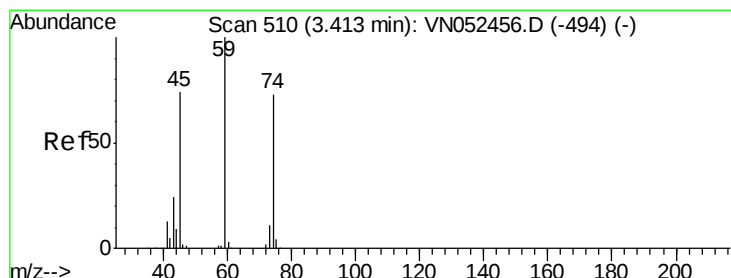
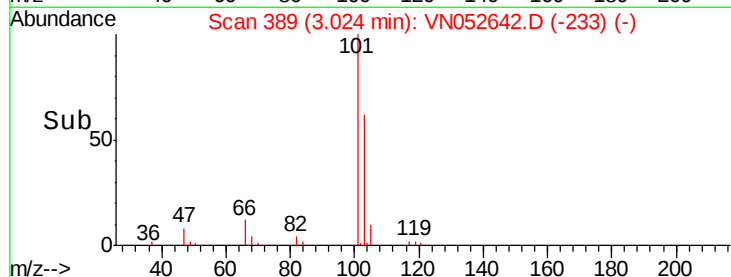
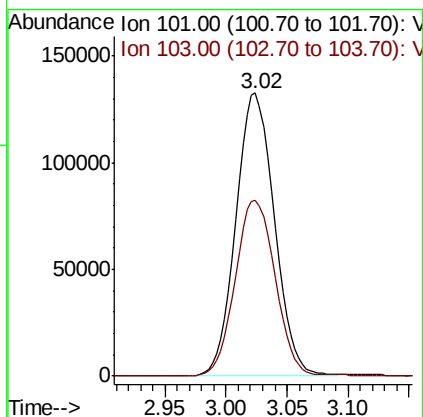
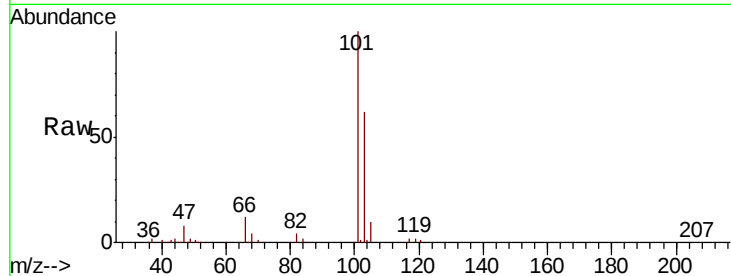


#7

Trichlorofluoromethane
 Concen: 19.346 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
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 VSTDCCC020EC

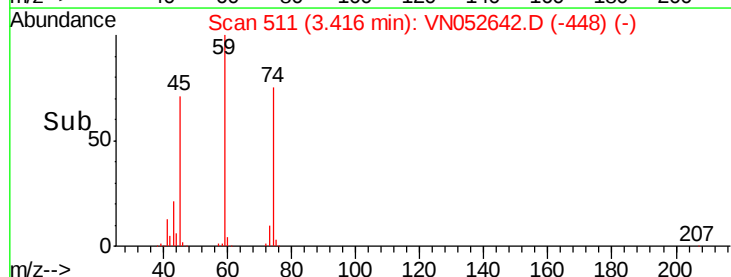
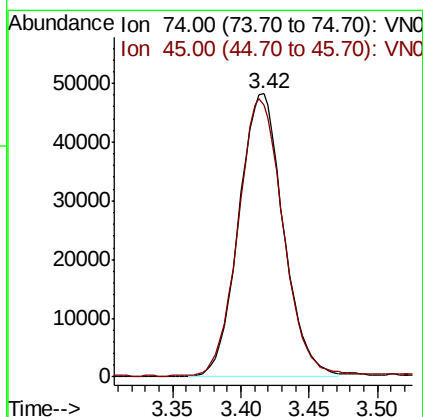
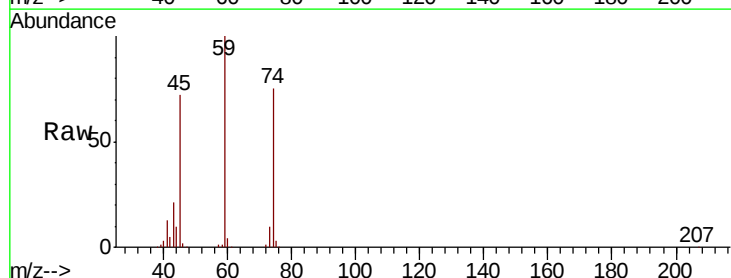
Tot Ion:101 Resp: 290598
 Ion Ratio Lower Upper
 101 100
 103 62.0 52.1 78.1

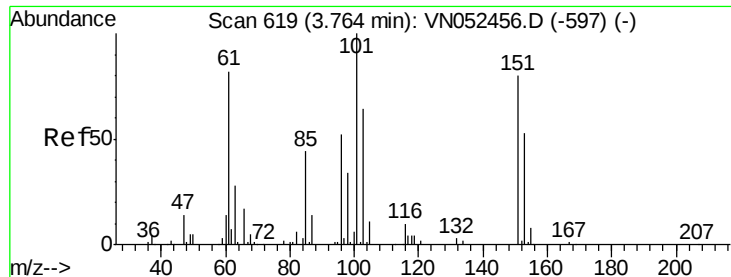


#8

Diethyl Ether
 Concen: 19.759 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion: 74 Resp: 109589
 Ion Ratio Lower Upper
 74 100
 45 97.8 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.914 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

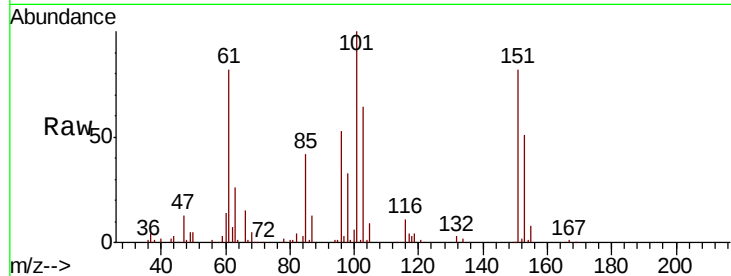
Tot Ion:101 Resp: 180099

Ion Ratio Lower Upper

101 100

85 41.9 0.0 82.6

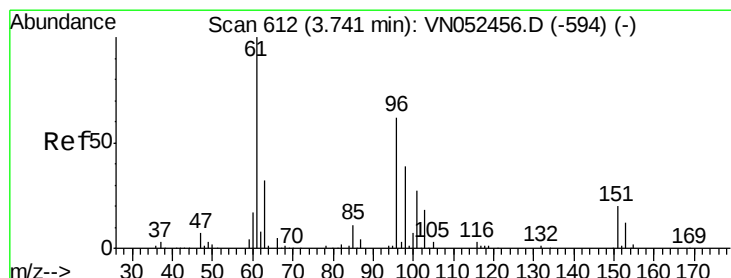
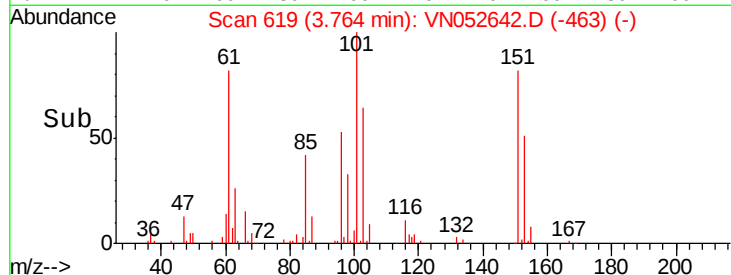
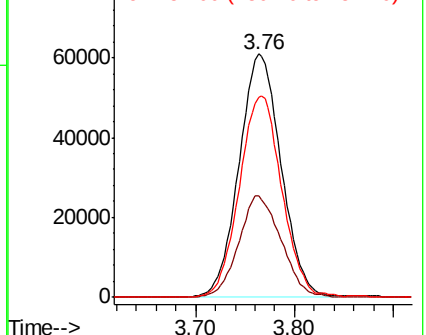
151 83.0 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.687 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

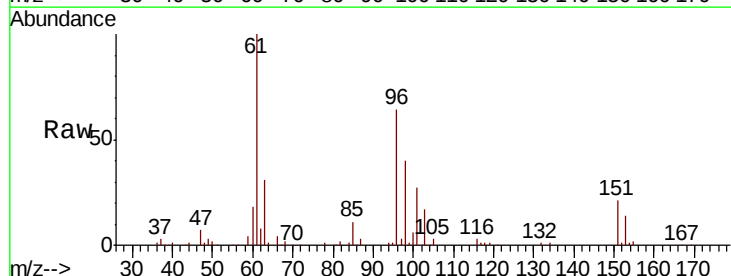
Tgt Ion: 96 Resp: 176254

Ion Ratio Lower Upper

96 100

61 155.4 129.4 194.2

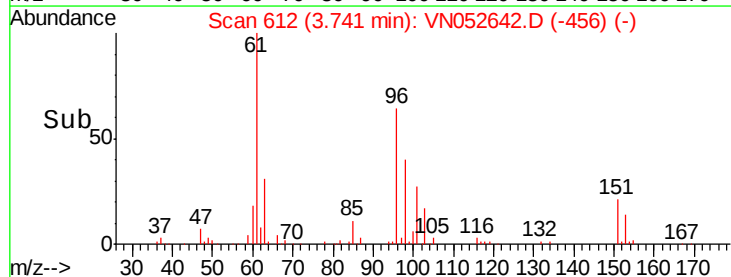
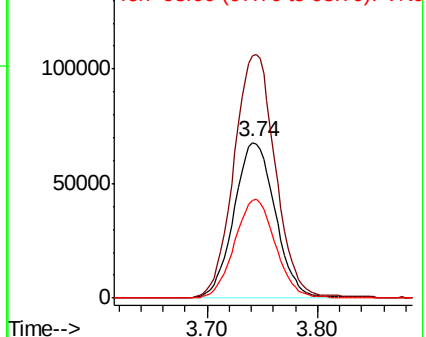
98 62.9 50.4 75.6

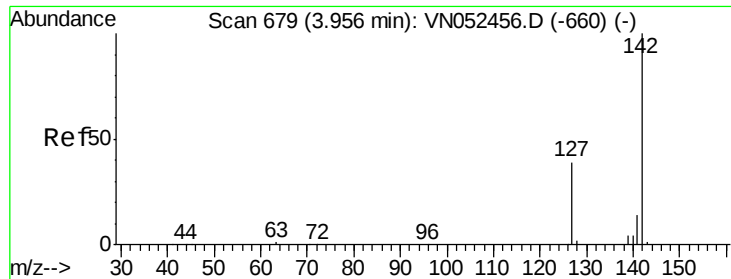


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

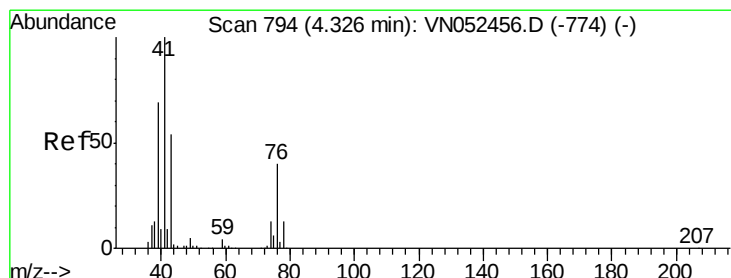
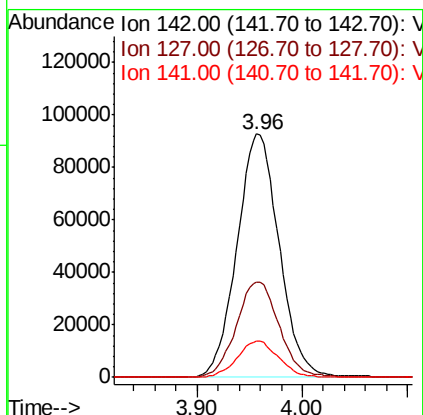
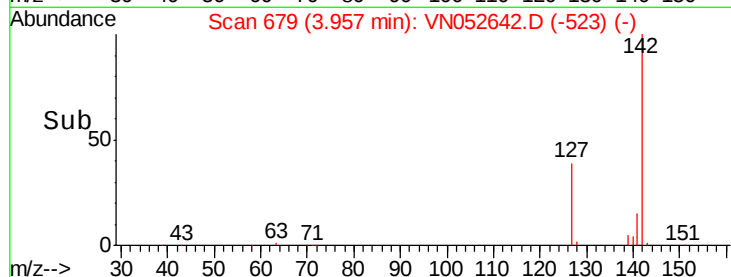
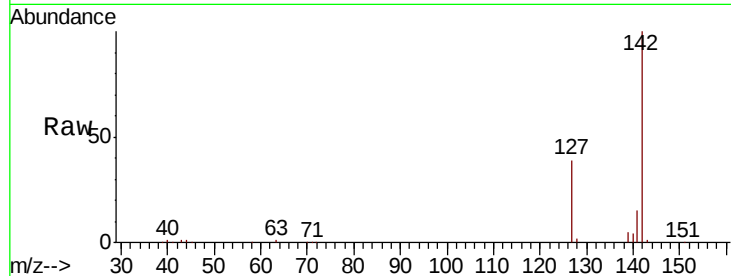




#11
Methvl Iodide
Concen: 20.689 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

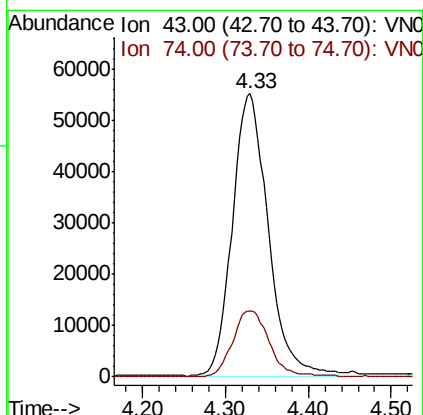
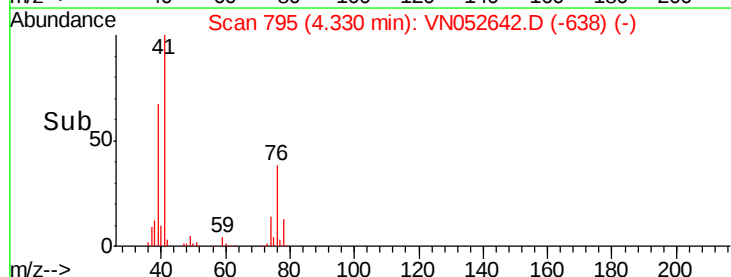
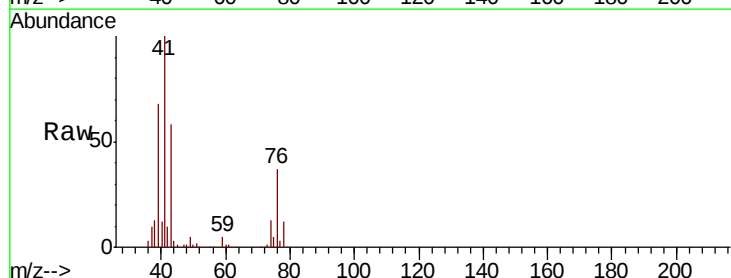
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

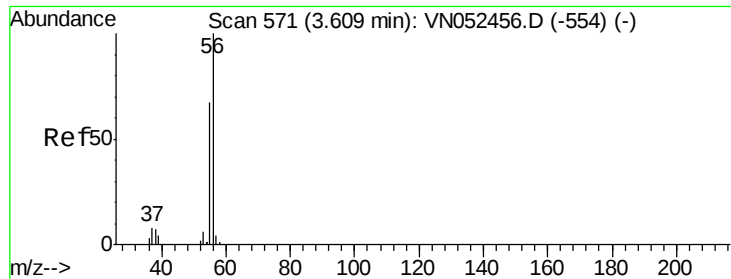
Tot Ion:142 Resp: 257175
Ion Ratio Lower Upper
142 100
127 39.3 19.4 58.1
141 14.9 7.2 21.6



#12
Methyl Acetate
Concen: 21.715 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion: 43 Resp: 165184
Ion Ratio Lower Upper
43 100
74 23.2 18.9 28.3

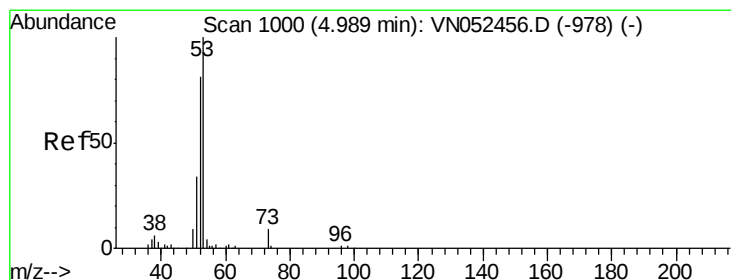
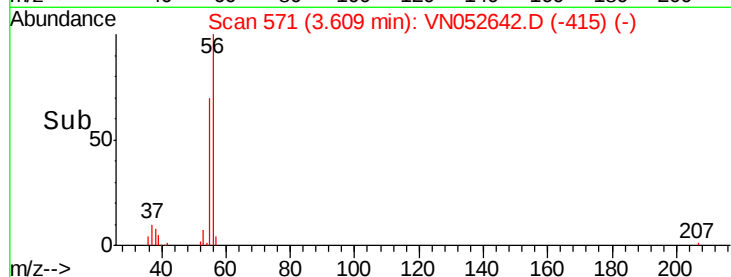
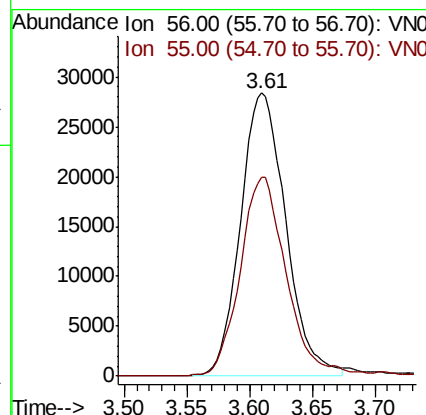
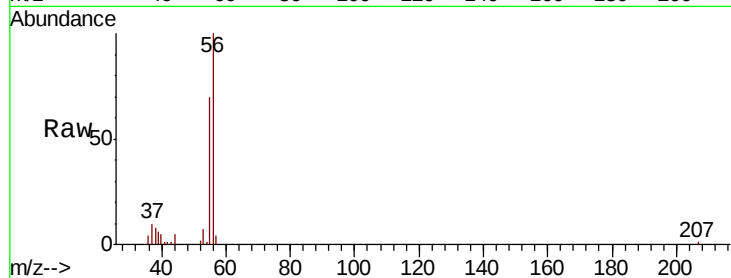




#13
Acrolein
Concen: 79.817 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

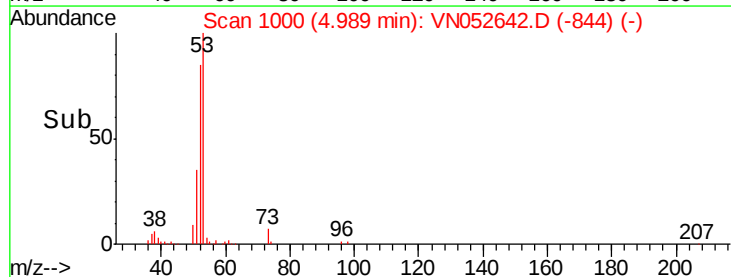
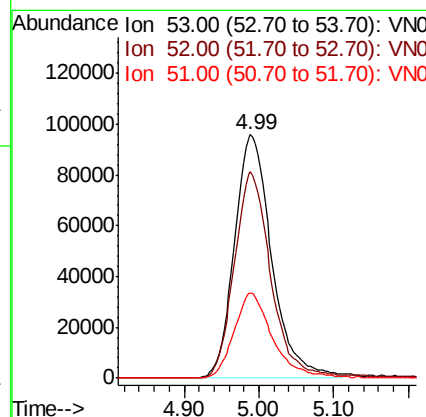
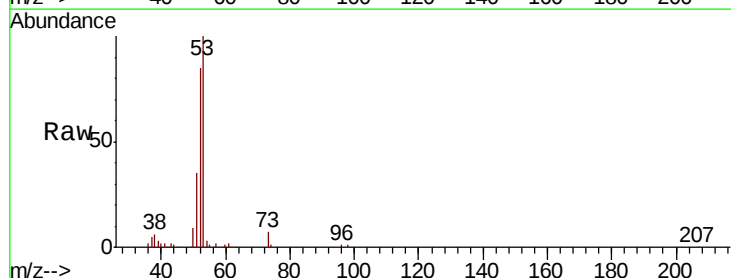
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

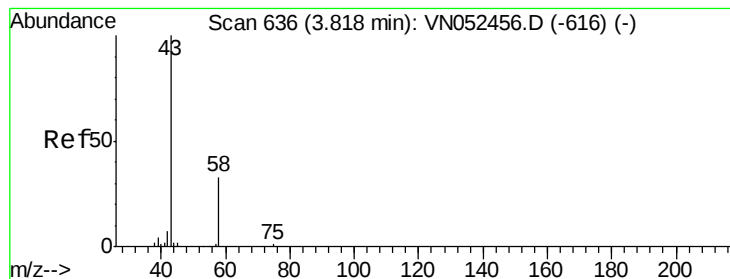
Tot Ion: 56 Resp: 71322
Ion Ratio Lower Upper
56 100
55 68.5 56.7 85.1



#14
Acrylonitrile
Concen: 102.503 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion: 53 Resp: 332234
Ion Ratio Lower Upper
53 100
52 82.9 39.9 119.7
51 36.2 17.6 52.9





#15

Acetone

Concen: 88.281 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

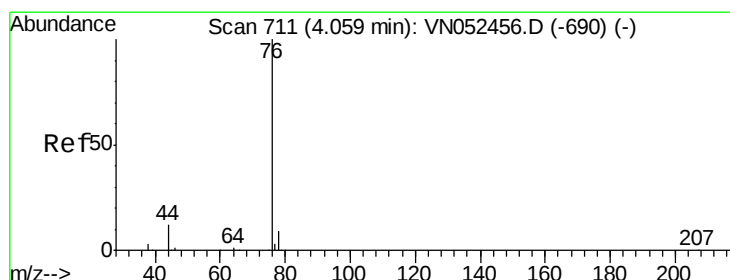
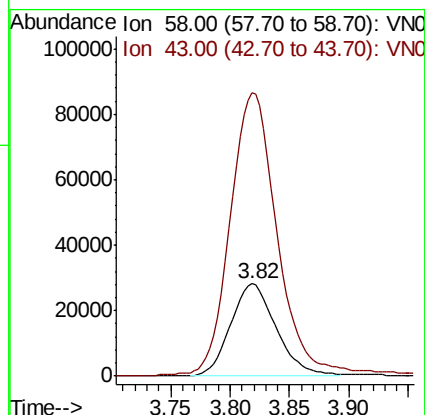
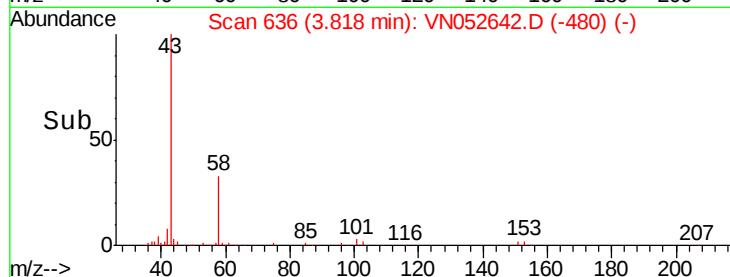
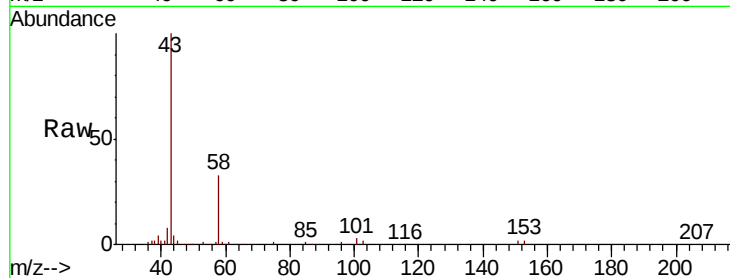
VSTDCCC020EC

Tot Ion: 58 Resp: 74103

Ion Ratio Lower Upper

58 100

43 305.5 243.6 365.4



#16

Carbon Disulfide

Concen: 17.365 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052642.D

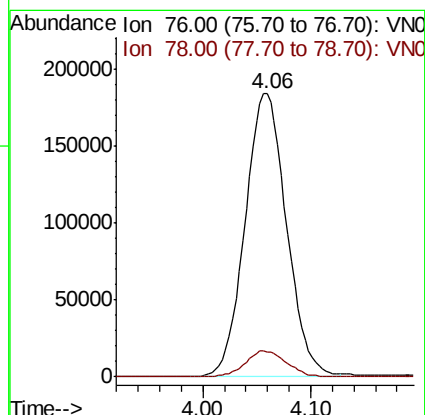
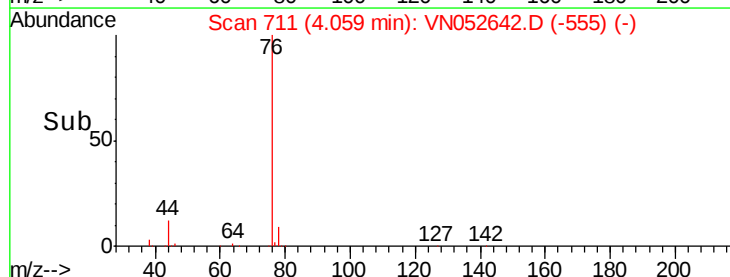
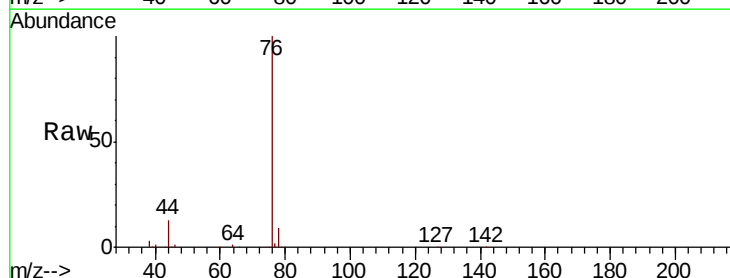
Acq: 3 Dec 2018 20:03

Tgt Ion: 76 Resp: 492210

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

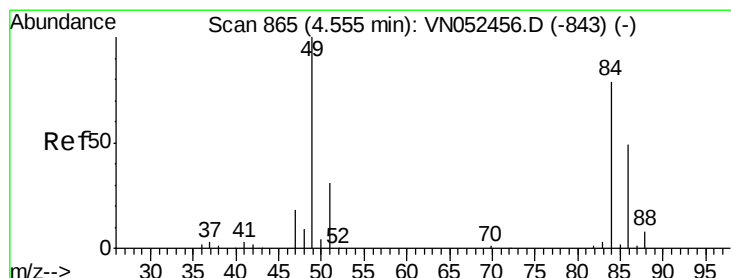
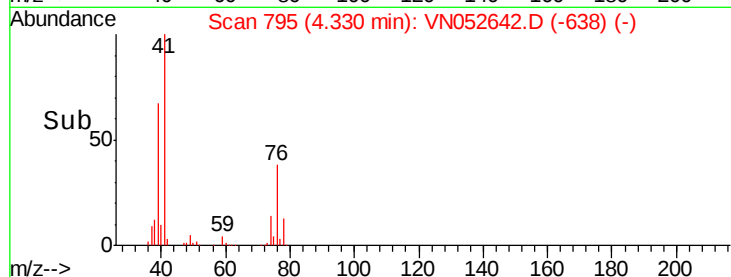
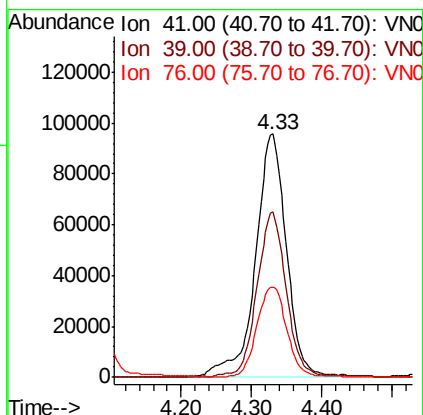
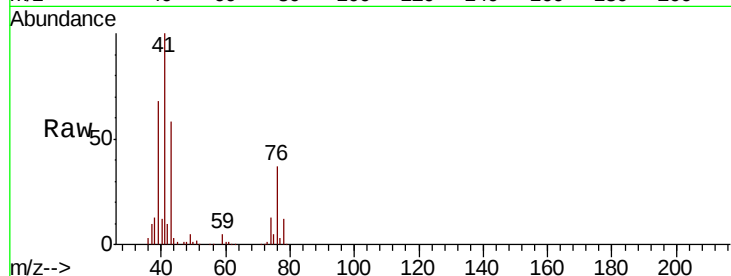




#17
Allvl chloride
Concen: 18.822 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

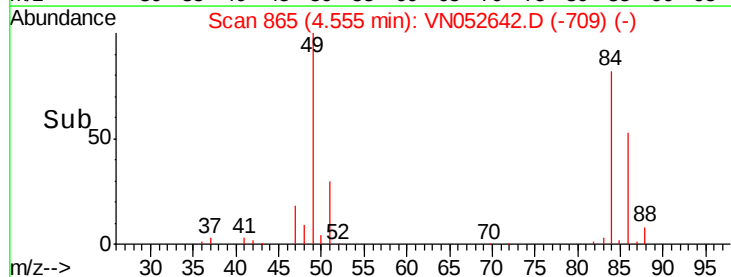
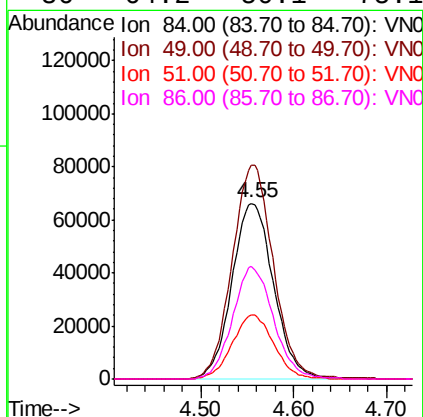
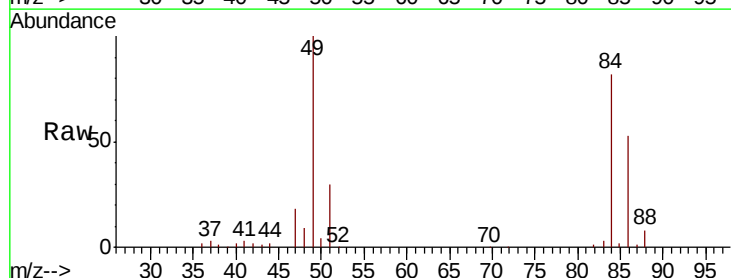
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

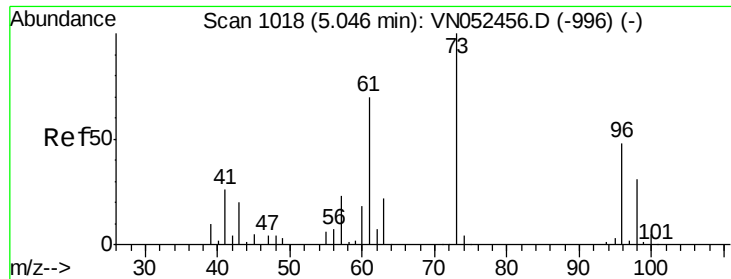
Tot Ion: 41 Resp: 293886
Ion Ratio Lower Upper
41 100
39 68.0 32.8 98.3
76 36.6 18.6 55.8



#18
Methylene Chloride
Concen: 19.898 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion: 84 Resp: 206268
Ion Ratio Lower Upper
84 100
49 121.2 101.4 152.0
51 36.7 31.7 47.5
86 64.2 50.1 75.1

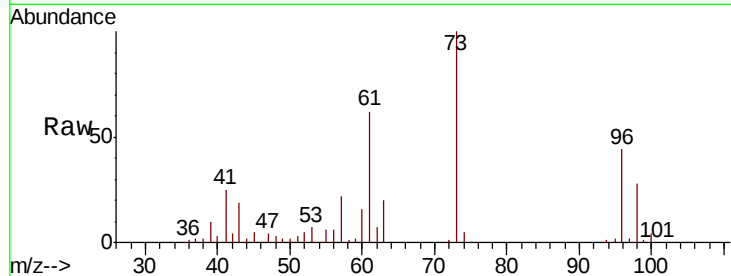




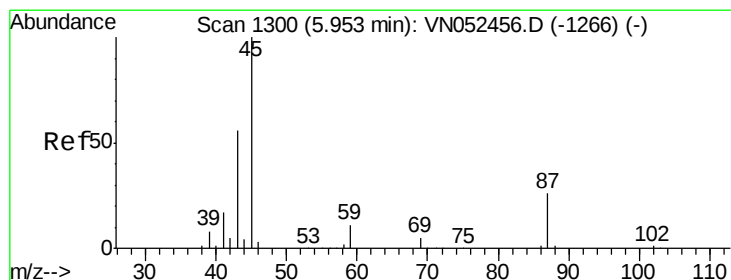
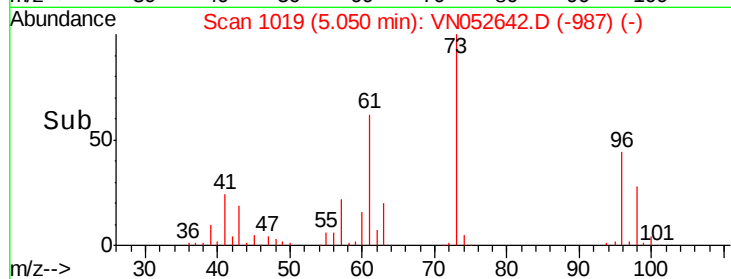
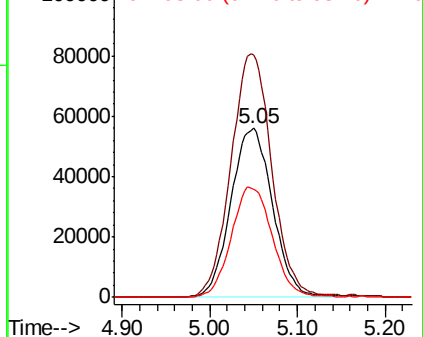
#19
trans-1,2-Dichloroethene
Concen: 19.224 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 185220
Ion Ratio Lower Upper
96 100
61 143.0 118.2 177.4
98 64.1 51.4 77.2

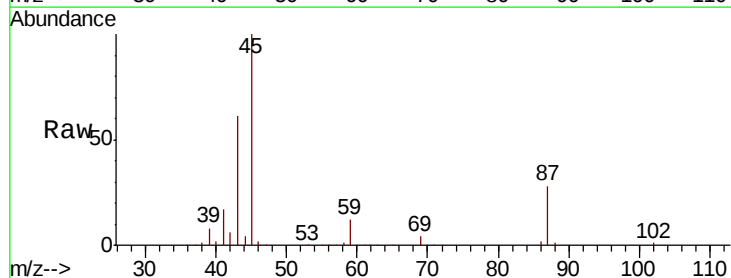


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

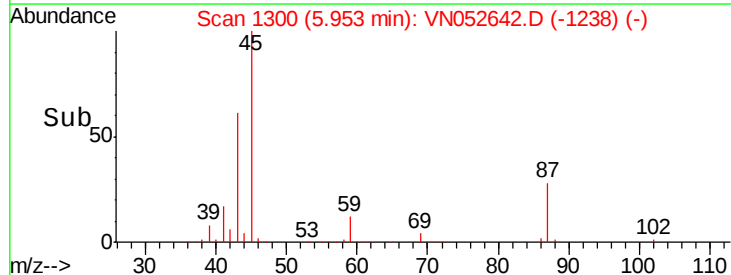
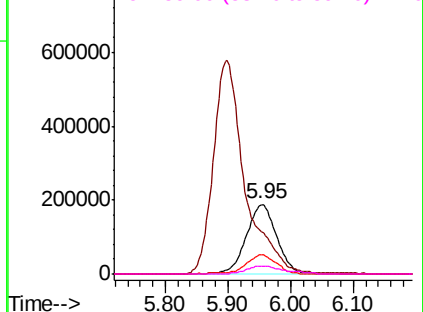


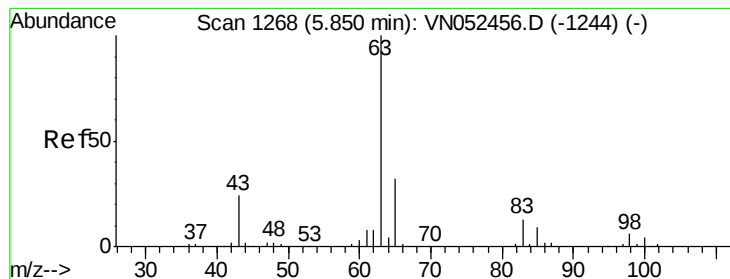
#20
Diisopropyl ether
Concen: 19.370 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion: 45 Resp: 635575
Ion Ratio Lower Upper
45 100
43 60.0 47.8 71.8
87 27.5 21.3 31.9
59 11.7 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: 19.312 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

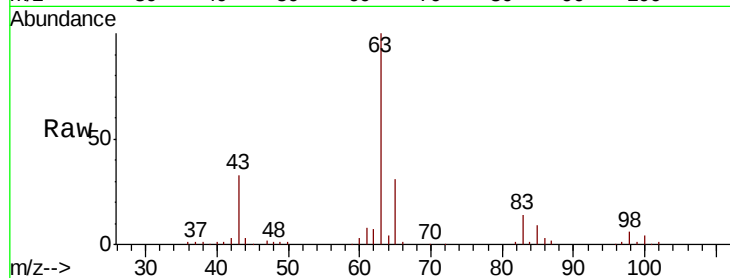
Tot Ion: 63 Resp: 361151

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

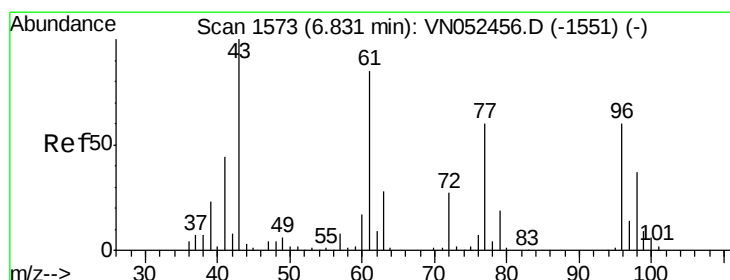
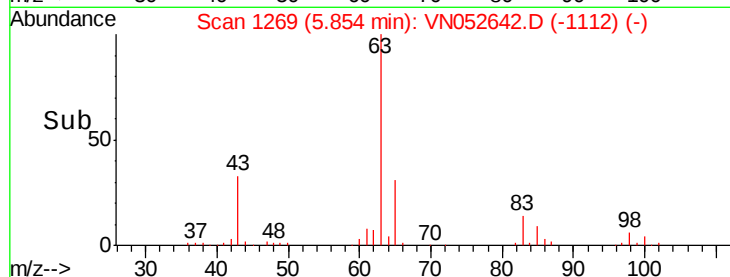
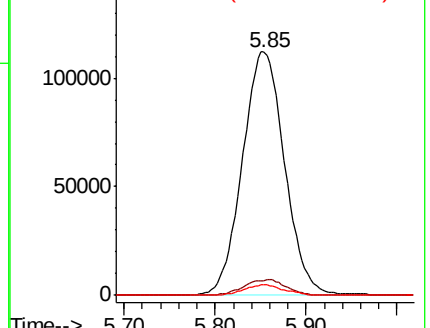
100 4.3 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN052642.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN052642.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN052642.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.801 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

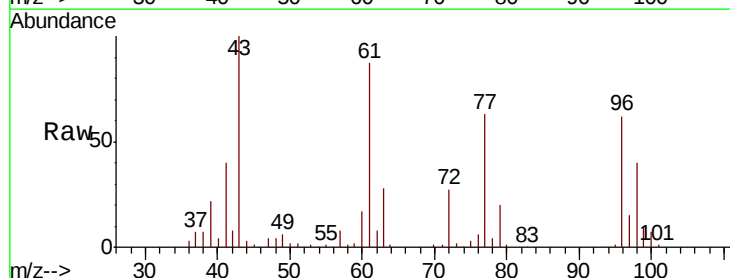
Tgt Ion: 96 Resp: 218643

Ion Ratio Lower Upper

96 100

61 141.0 116.7 175.1

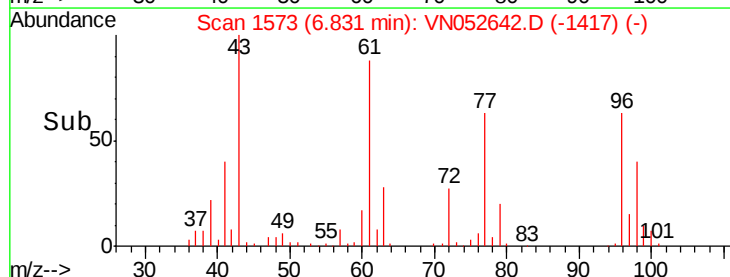
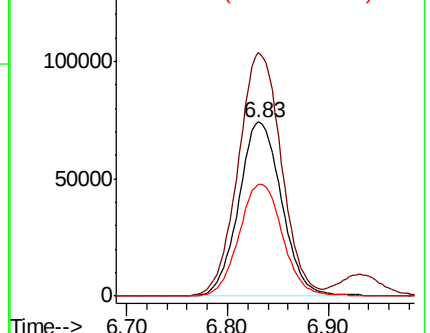
98 65.3 50.8 76.2

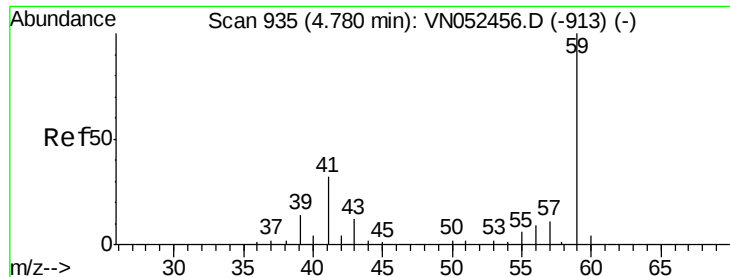


Abundance Ion 96.00 (95.70 to 96.70): VN052642.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN052642.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN052642.D (-1417) (-)





#23

tert-Butyl Alcohol

Concen: 119.807 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

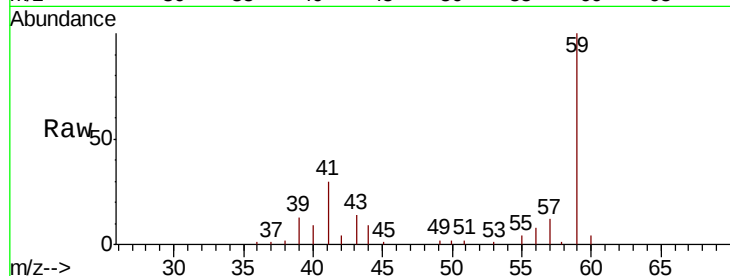
VSTDCCC020EC

Tot Ion: 59 Resp: 57766

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN052456.D (-913) (-)

Ion 52.00 (51.70 to 52.70): VN052456.D (-913) (-)

4.78

15000

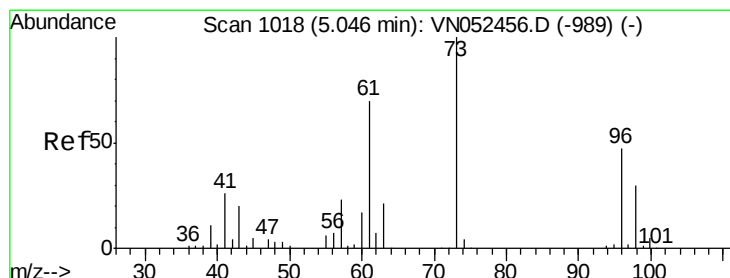
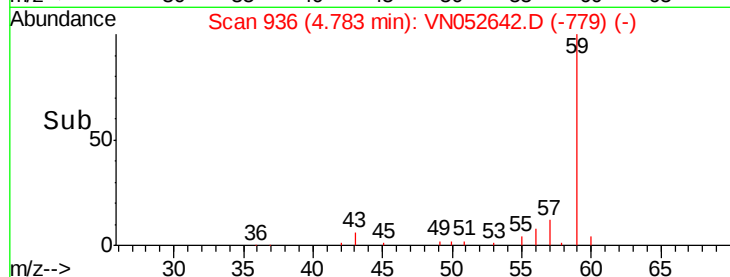
10000

5000

0

Time-->

4.70 4.80 4.90



#24

Methyl tert-Butyl Ether

Concen: 20.753 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052642.D

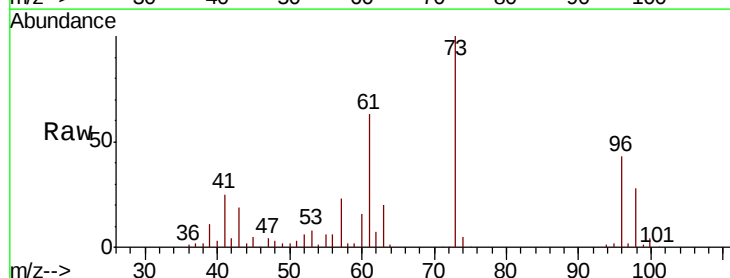
Acq: 3 Dec 2018 20:03

Tgt Ion: 73 Resp: 487418

Ion Ratio Lower Upper

73 100

43 19.1 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VN052456.D (-989) (-)

Ion 43.00 (42.70 to 43.70): VN052456.D (-989) (-)

150000

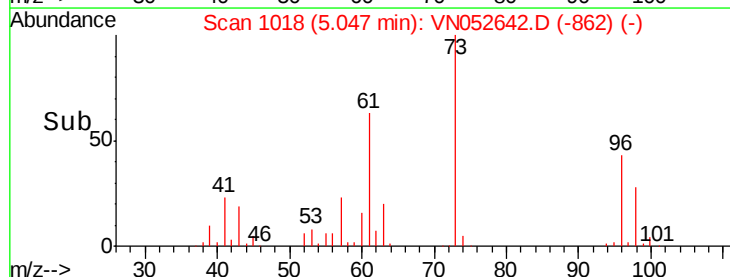
100000

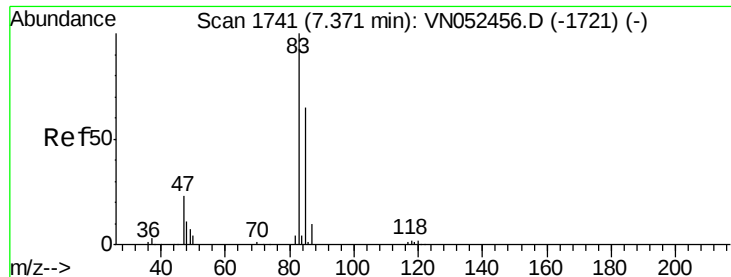
50000

0

Time-->

4.90 5.00 5.10 5.20





#25

Chloroform

Concen: 19.620 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

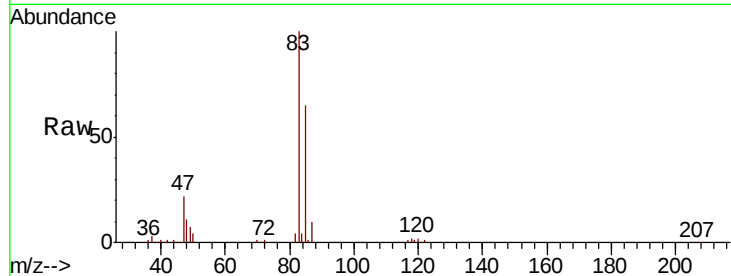
VSTDCCC020EC

Tot Ion: 83 Resp: 353979

Ion Ratio Lower Upper

83 100

85 65.2 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

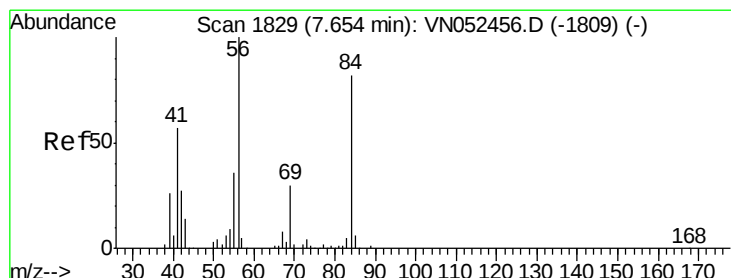
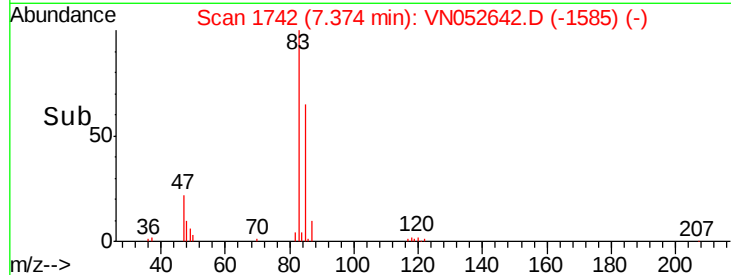
150000

100000

50000

0

Time-->



#26

Cyclohexane

Concen: 18.039 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

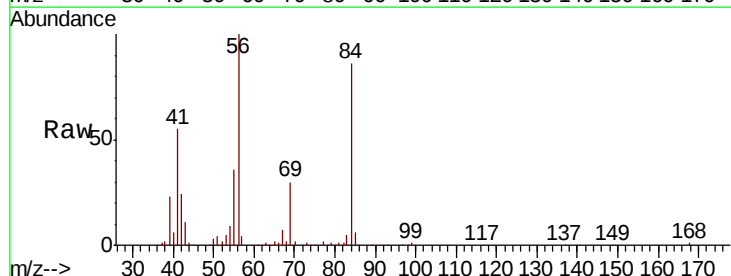
Tgt Ion: 56 Resp: 318172

Ion Ratio Lower Upper

56 100

89 0.0 0.5 0.7#

84 85.6 66.2 99.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

200000

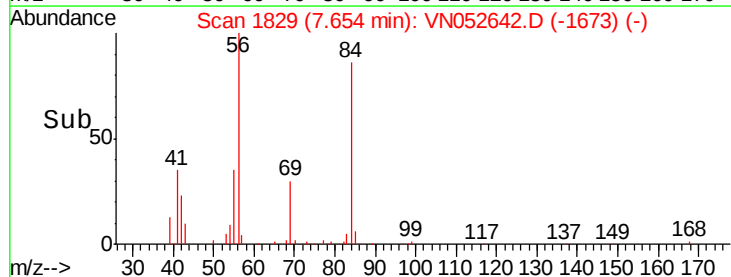
150000

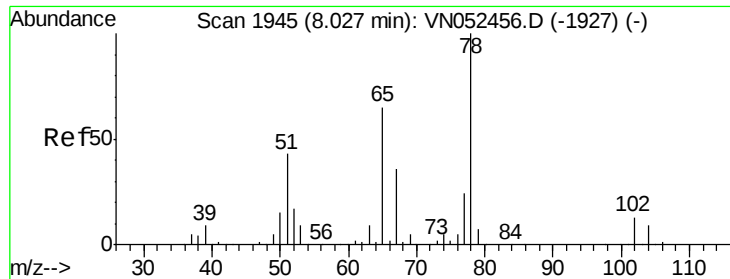
100000

50000

0

Time-->

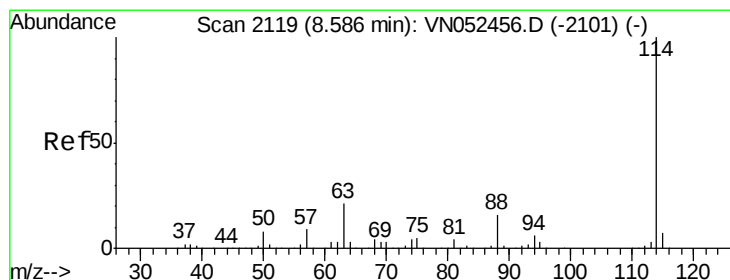
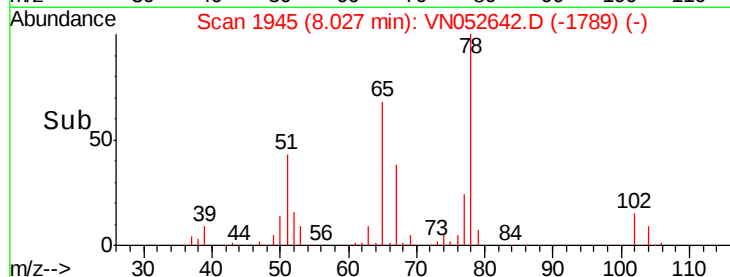
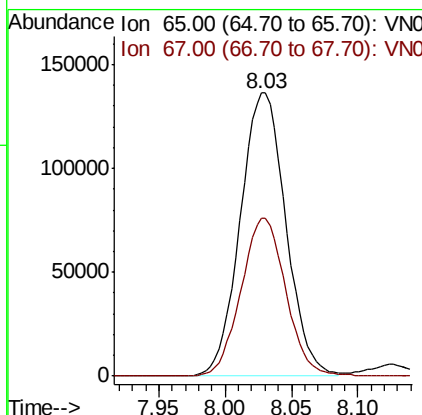
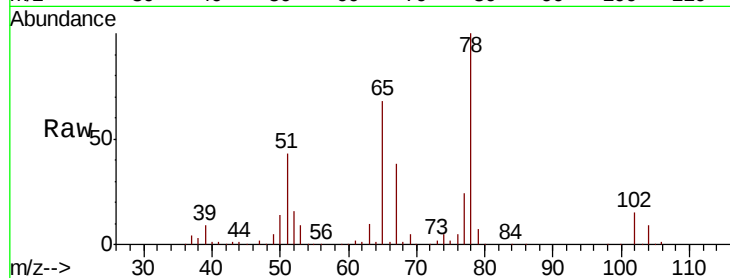




#27
 1,2-Dichloroethane-d4
 Concen: 18.039 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

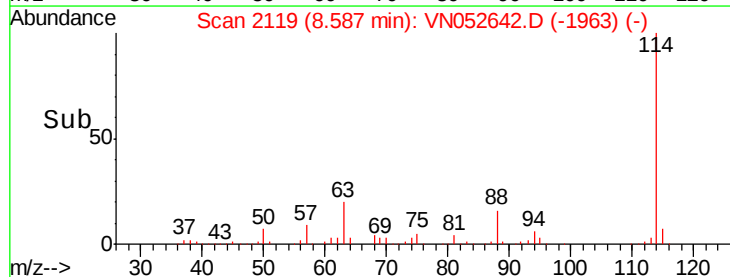
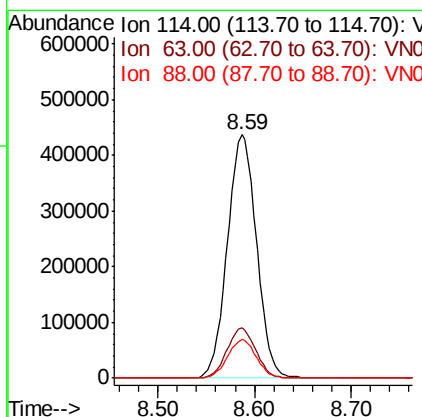
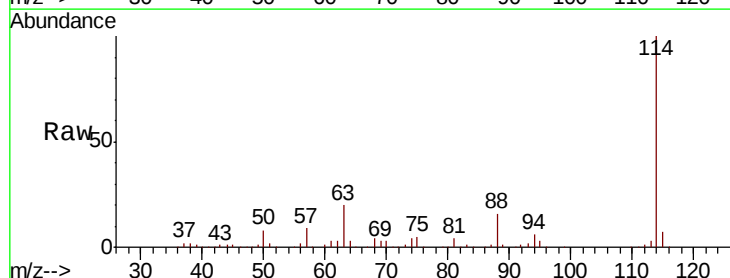
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 325607
 Ion Ratio Lower Upper
 65 100
 67 54.9 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion: 114 Resp: 915294
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.9 25.3
 88 15.7 12.8 19.2

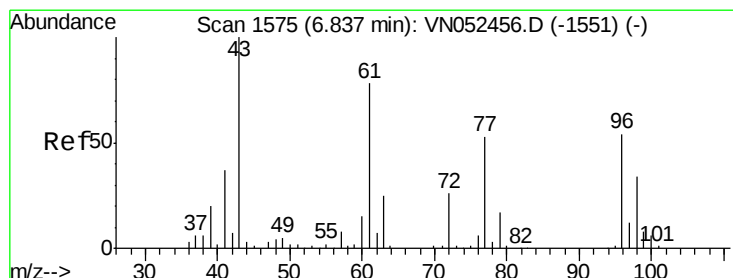
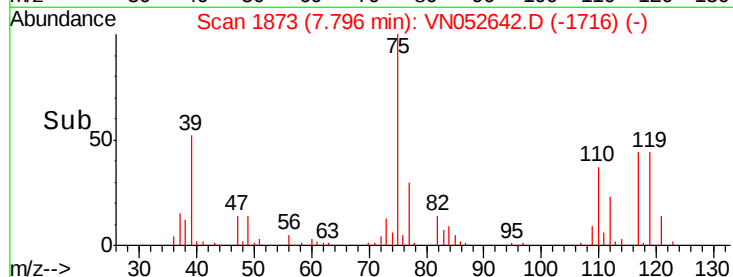
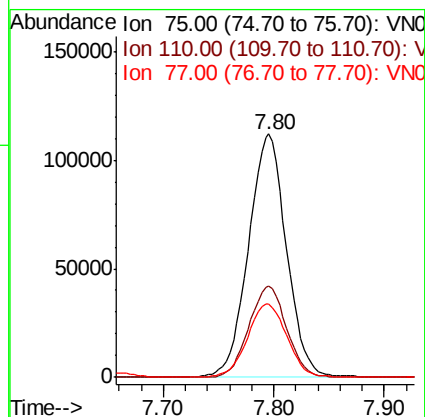
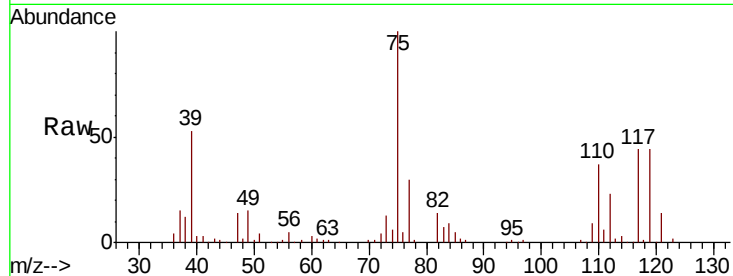




#29
 1,1-Dichloropropene
 Concen: 19.054 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

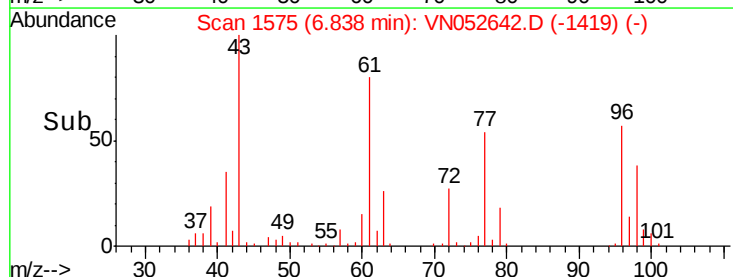
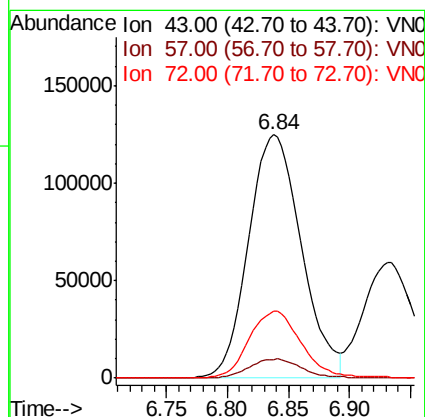
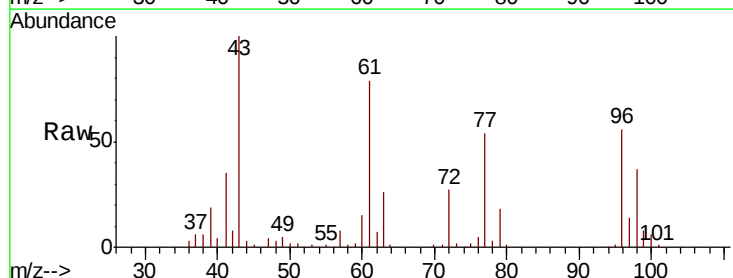
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

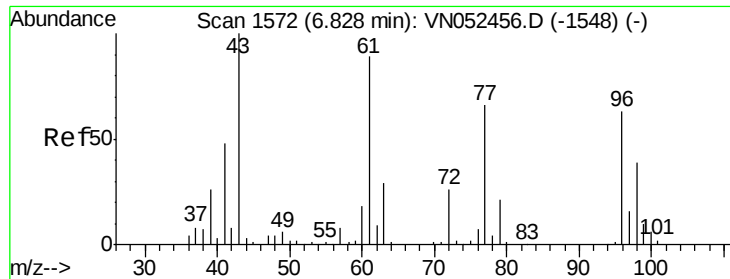
Tot Ion: 75 Resp: 266324
 Ion Ratio Lower Upper
 75 100
 110 37.4 0.0 70.2
 77 31.7 0.0 62.6



#30
 2-Butanone
 Concen: 99.656 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion: 43 Resp: 372729
 Ion Ratio Lower Upper
 43 100
 57 7.9 6.2 9.4
 72 27.2 21.0 31.6

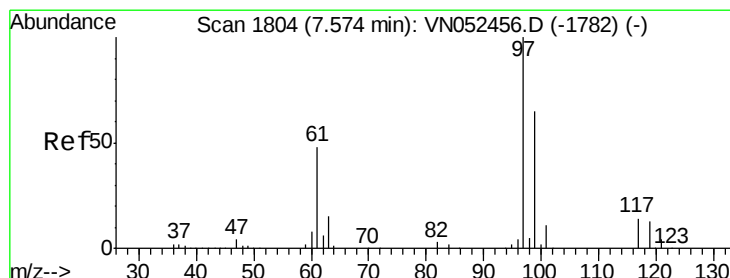
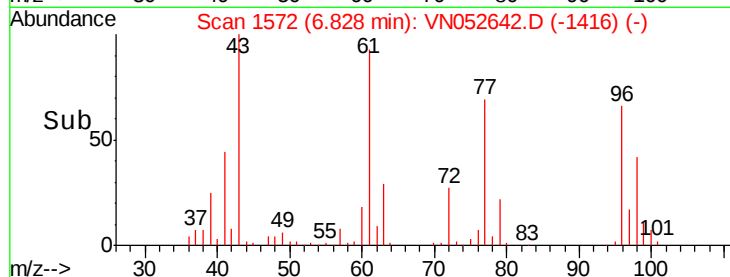
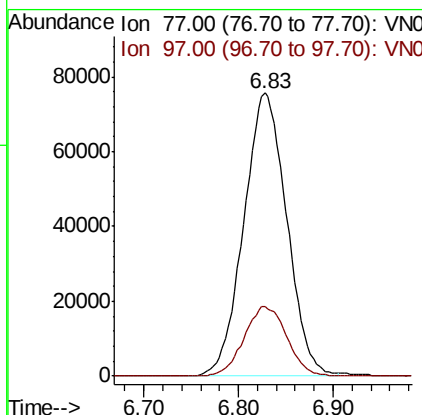
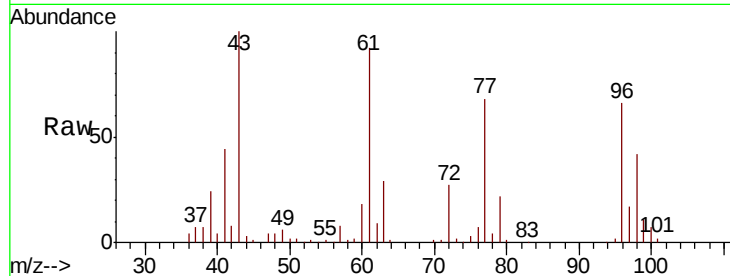




#31
 2,2-Dichloropropane
 Concen: 18.536 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

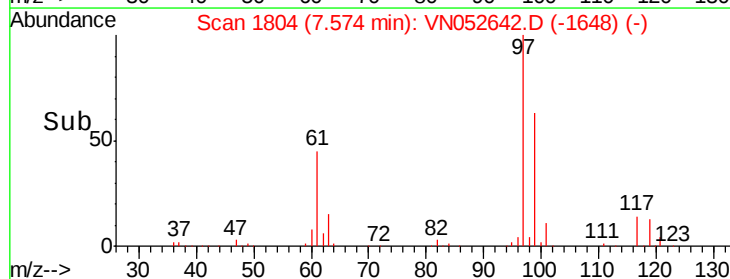
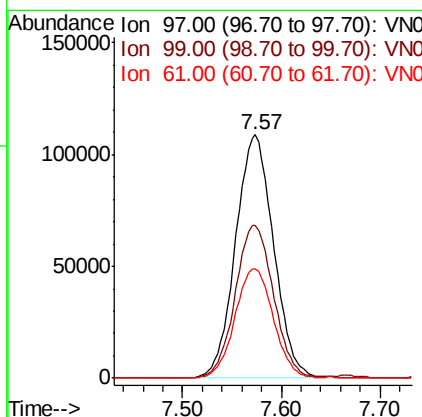
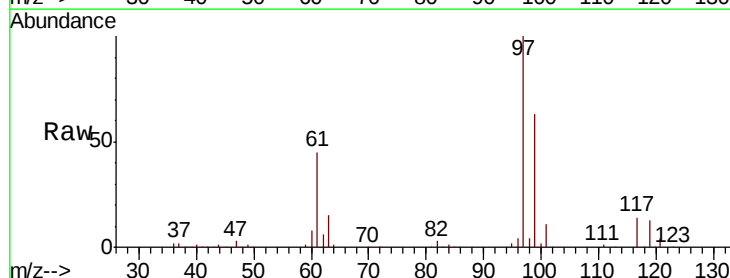
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

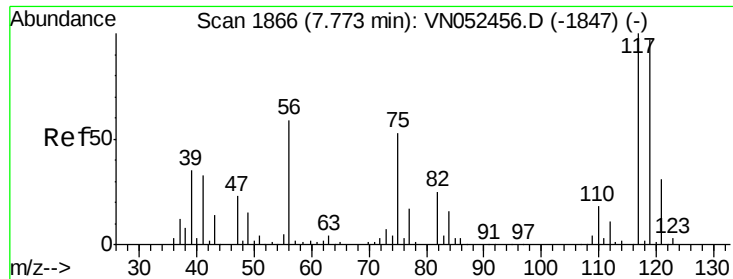
Tot Ion: 77 Resp: 238526
 Ion Ratio Lower Upper
 77 100
 97 24.5 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 20.039 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion: 97 Resp: 291442
 Ion Ratio Lower Upper
 97 100
 99 63.2 50.9 76.3
 61 45.3 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.629 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

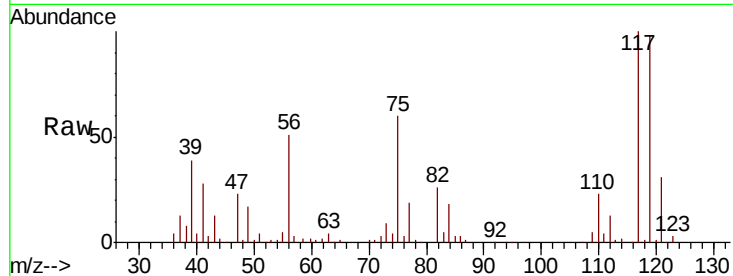
Tot Ion:117 Resp: 249792

Ion Ratio Lower Upper

117 100

119 97.8 77.3 115.9

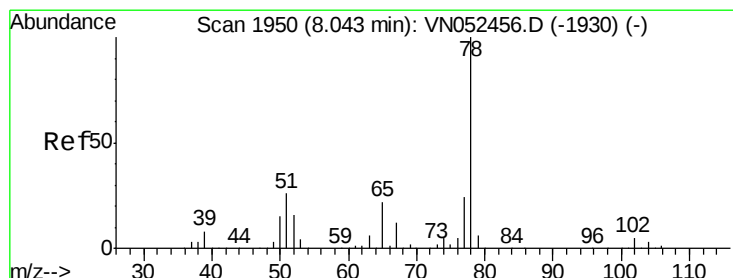
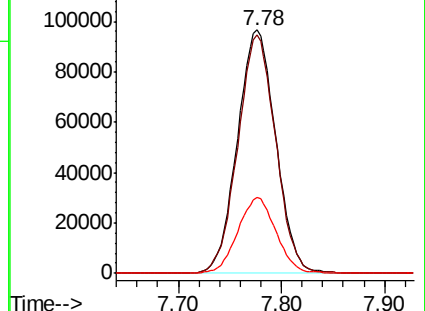
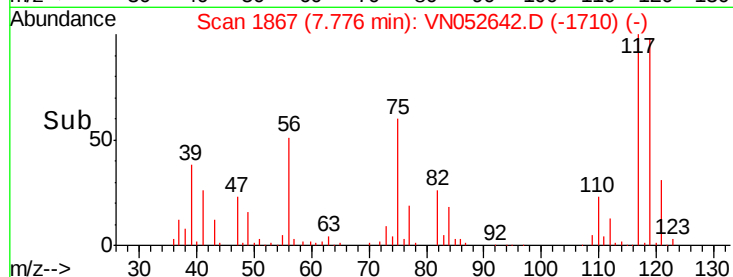
121 31.0 24.9 37.3



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: 19.686 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

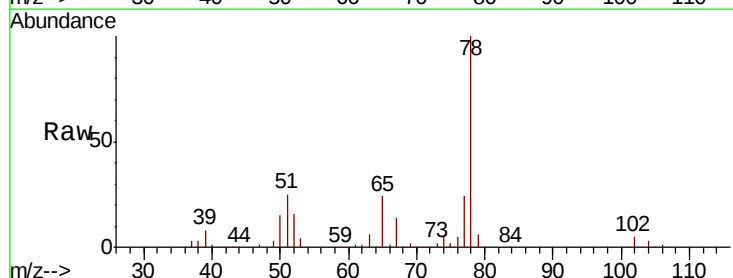
Tgt Ion: 78 Resp: 827291

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.6

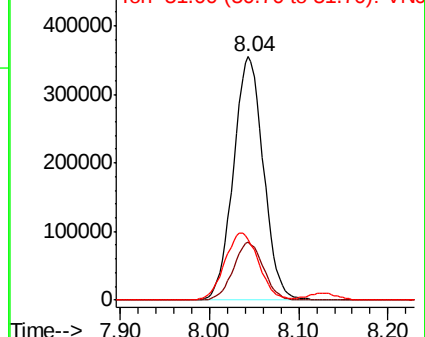
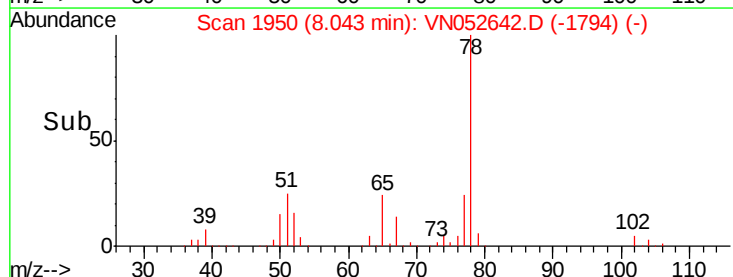
51 24.7 20.5 30.7

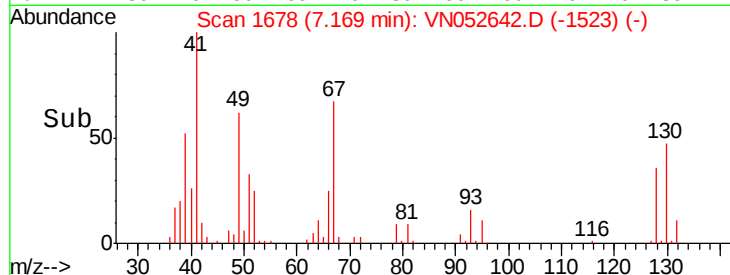
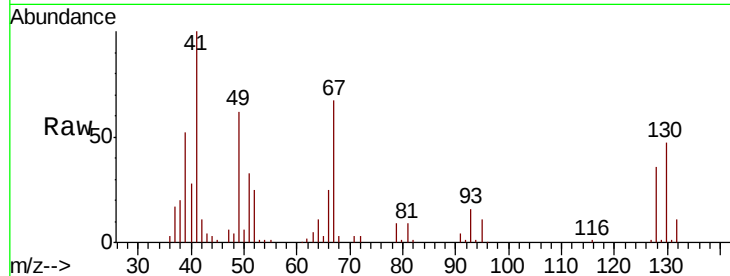
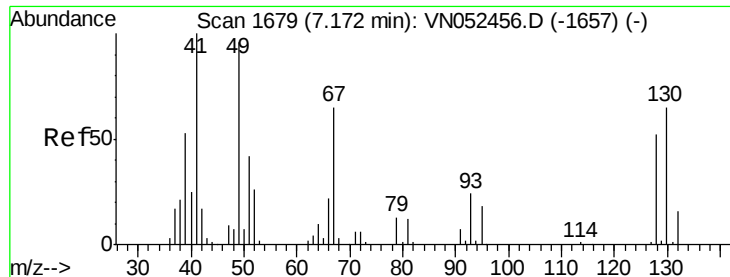


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

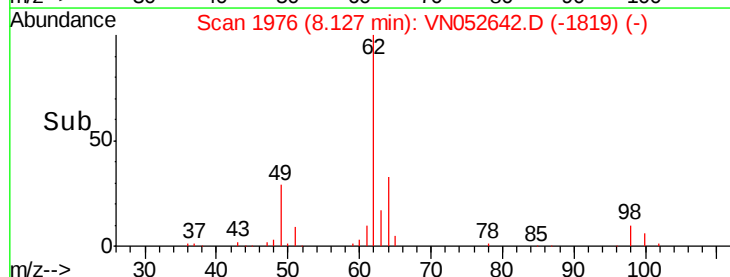
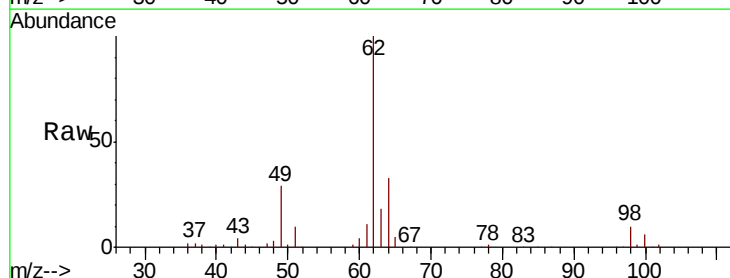
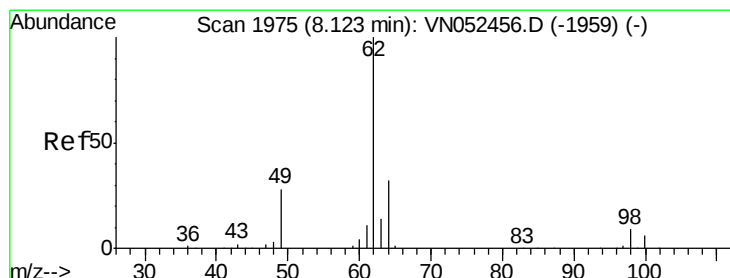
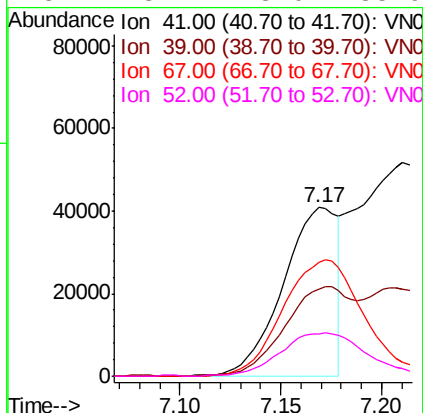




#35
Methacrylonitrile
Concen: 16.517 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

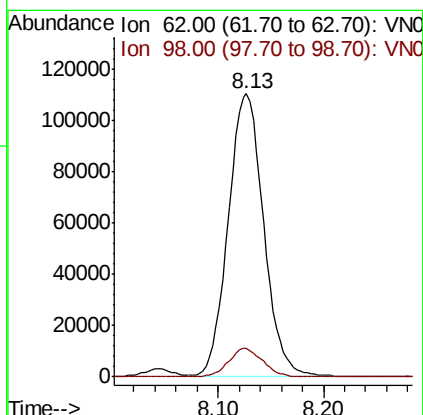
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

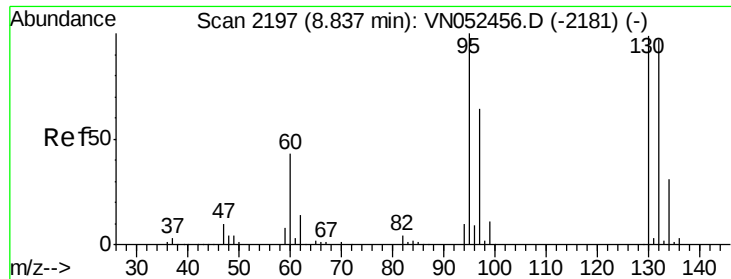
Tot Ion: 41 Resp: 76645
Ion Ratio Lower Upper
41 100
39 51.7 26.6 79.7
67 67.2 32.3 96.9
52 25.2 13.0 38.9



#36
1,2-Dichloroethane
Concen: 20.125 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion: 62 Resp: 256284
Ion Ratio Lower Upper
62 100
98 9.8 7.4 11.2

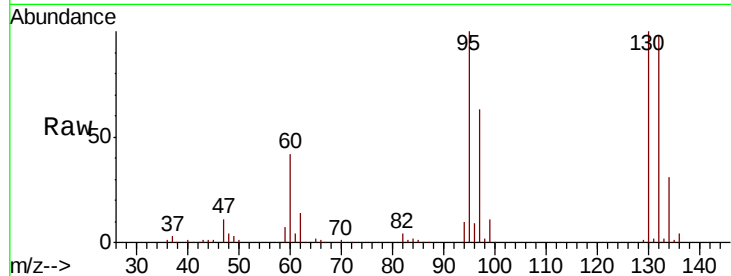




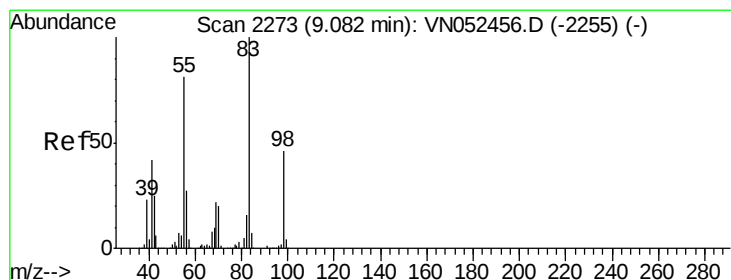
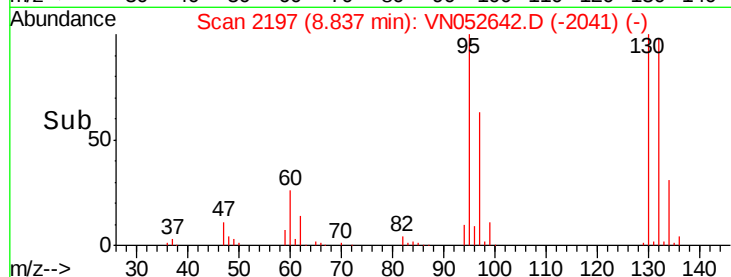
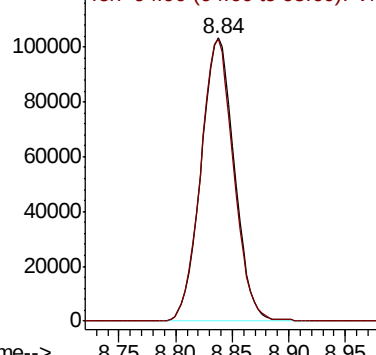
#37
 Trichloroethene
 Concen: 19.872 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 211758
 Ion Ratio Lower Upper
 130 100
 95 99.6 81.0 121.4

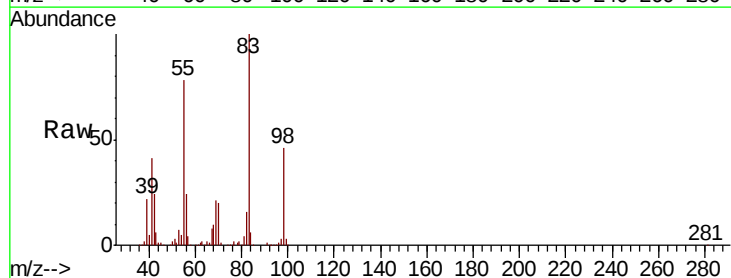


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

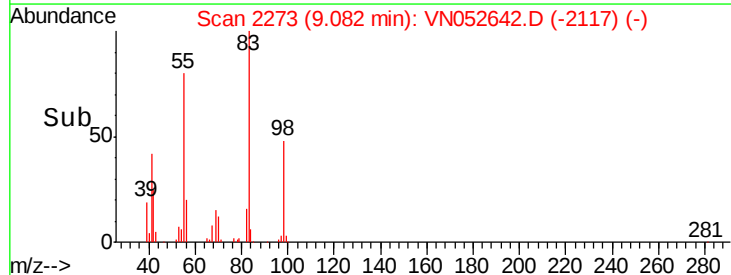
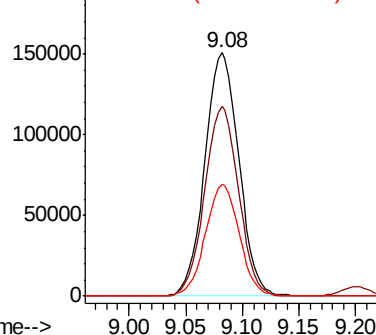


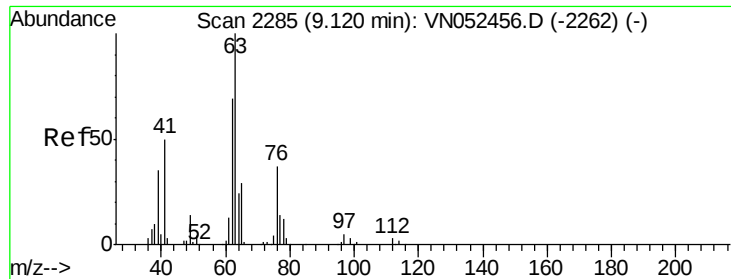
#38
 Methylcyclohexane
 Concen: 18.282 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion: 83 Resp: 316322
 Ion Ratio Lower Upper
 83 100
 55 77.5 39.8 119.4
 98 45.7 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





#39

1,2-Dichloropropane

Concen: 19.368 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

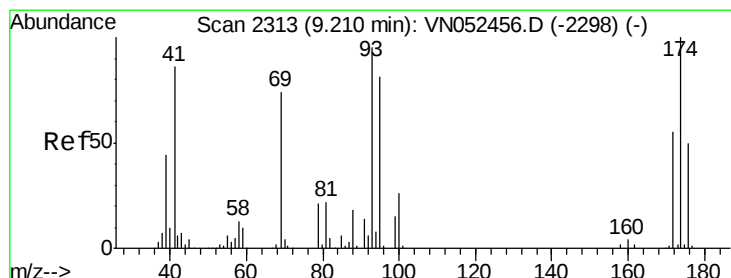
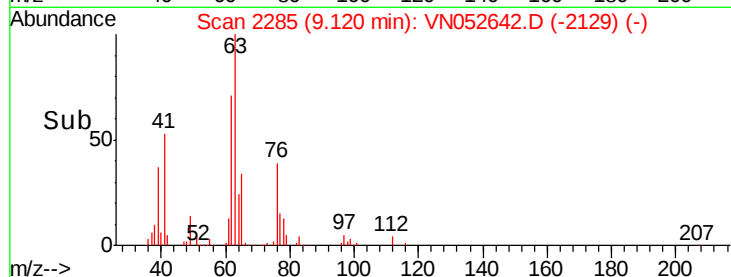
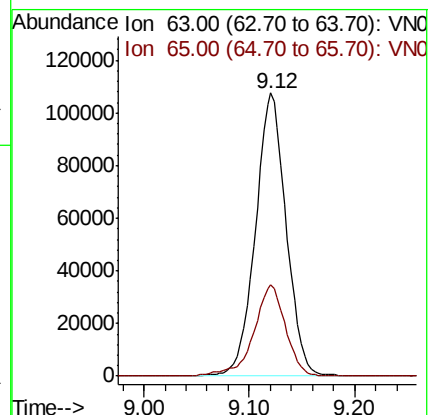
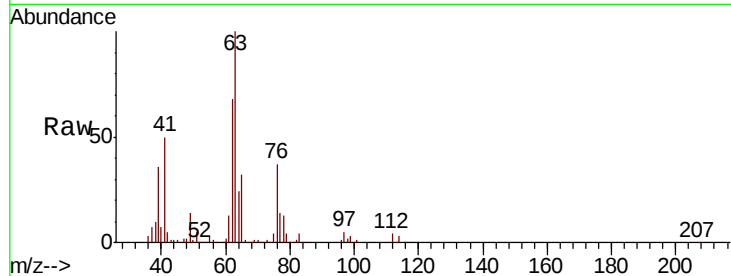
VSTDCCC020EC

Tot Ion: 63 Resp: 218172

Ion Ratio Lower Upper

63 100

65 32.1 23.6 35.4



#40

Dibromomethane

Concen: 20.788 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

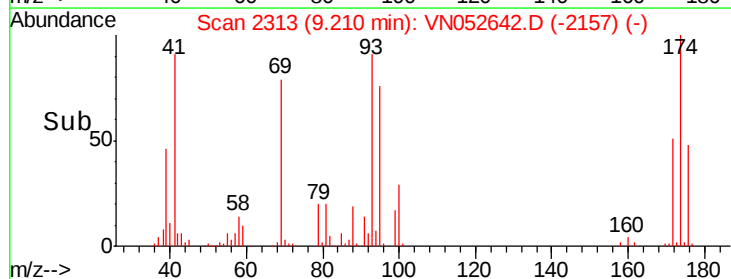
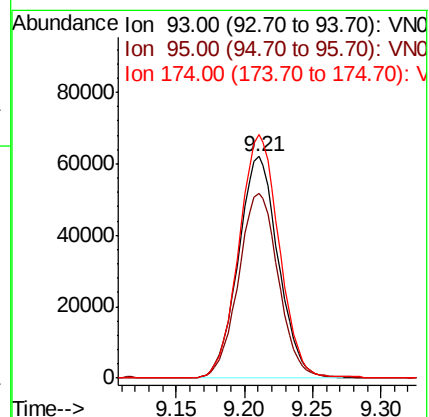
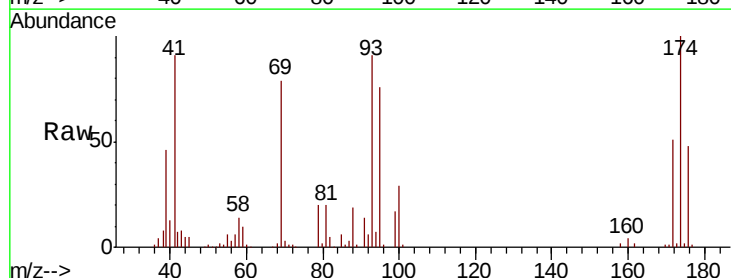
Tgt Ion: 93 Resp: 126547

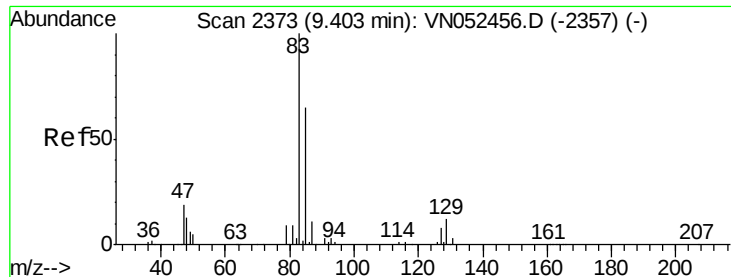
Ion Ratio Lower Upper

93 100

95 83.4 0.0 168.4

174 110.0 0.0 210.0





#41

Bromodichloromethane

Concen: 19.824 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

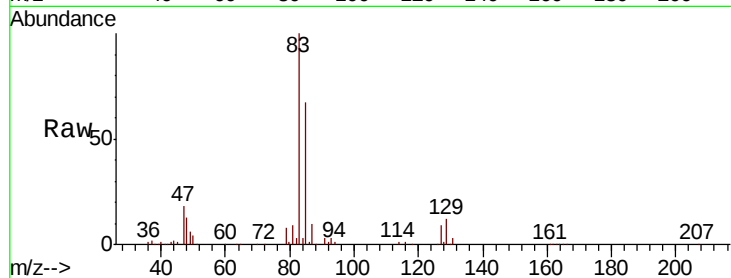
Tot Ion: 83 Resp: 266624

Ion Ratio Lower Upper

83 100

85 66.6 52.4 78.6

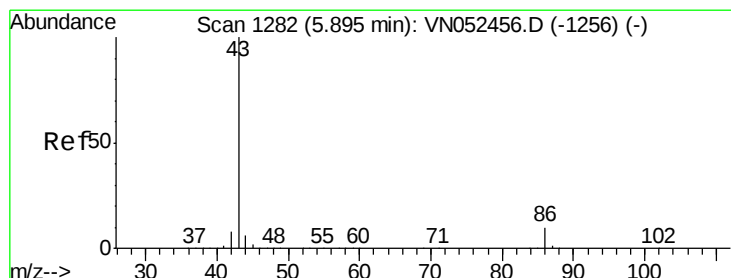
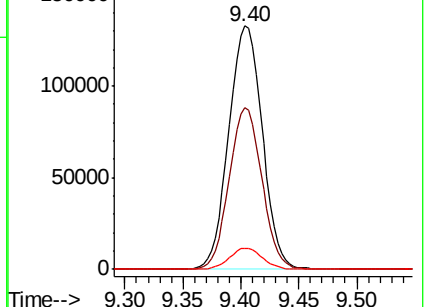
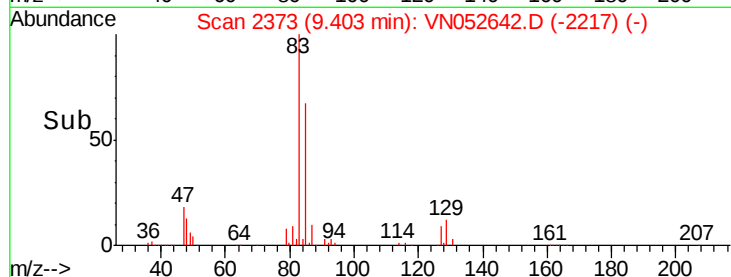
127 8.8 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052642.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN052642.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN052642.D (-2217) (-)



#42

Vinyl Acetate

Concen: 99.615 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052642.D

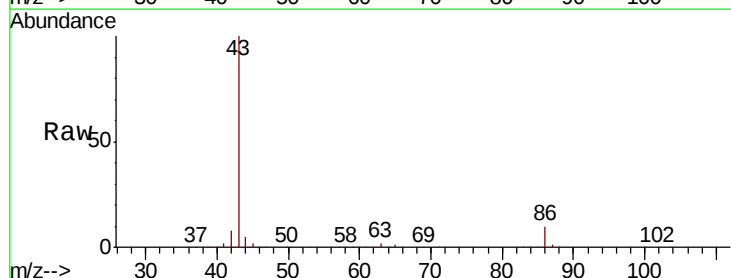
Acq: 3 Dec 2018 20:03

Tgt Ion: 43 Resp: 2015856

Ion Ratio Lower Upper

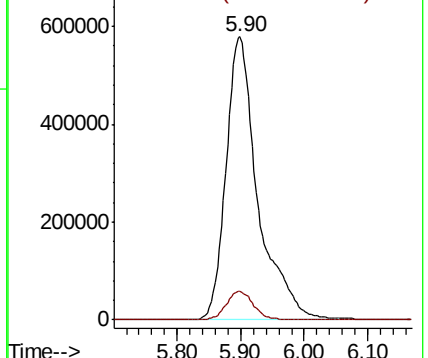
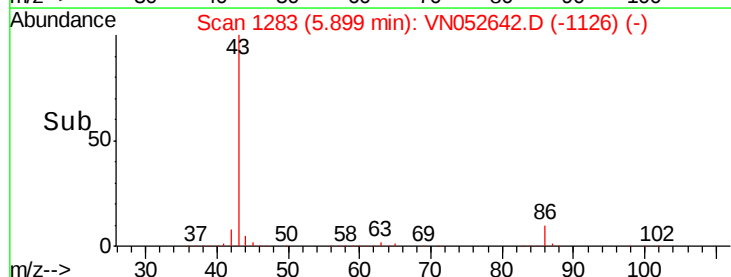
43 100

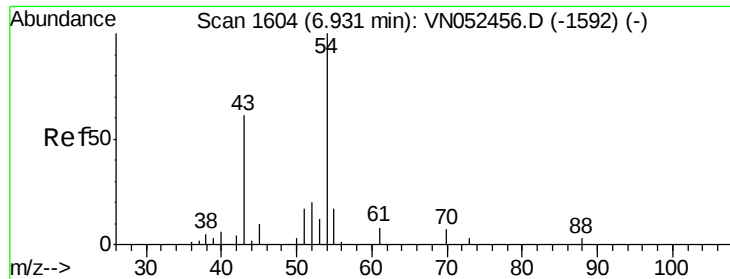
86 8.6 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN052642.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN052642.D (-1126) (-)

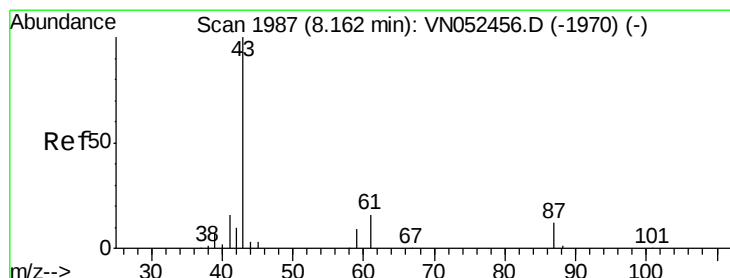
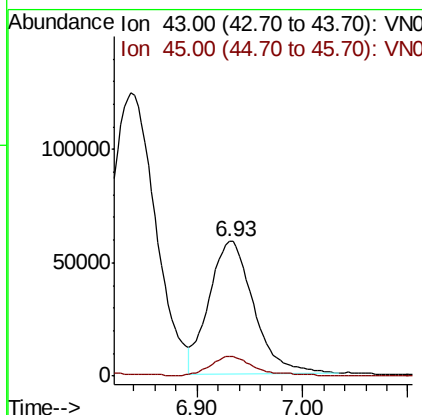
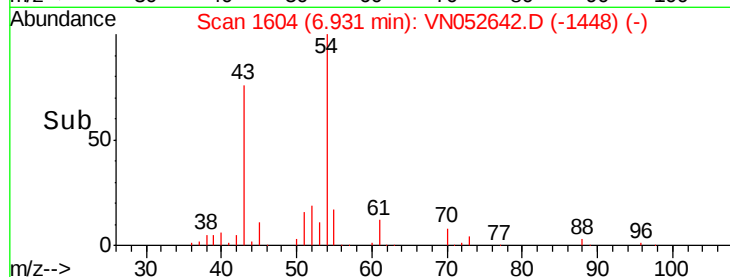
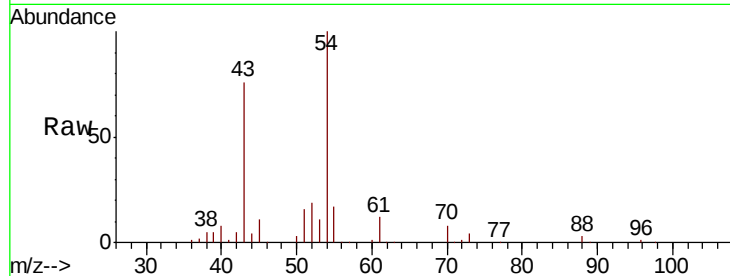




#43
Ethyl Acetate
Concen: 21.655 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

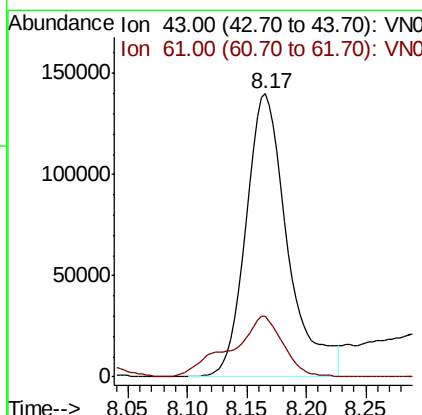
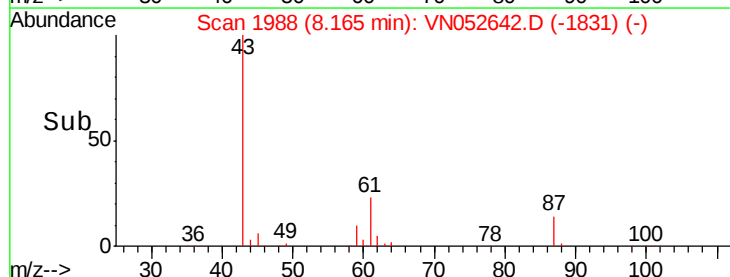
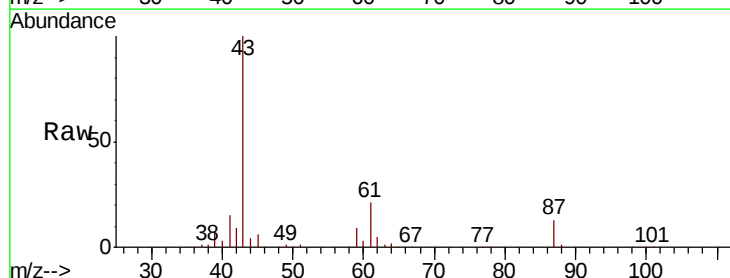
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

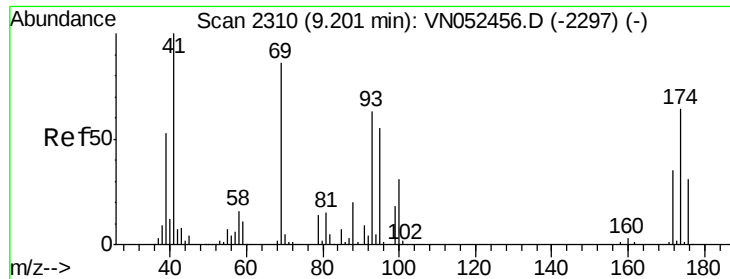
Tot Ion: 43 Resp: 172220
Ion Ratio Lower Upper
43 100
45 13.4 1.0 1.6#



#44
Isopropyl Acetate
Concen: 24.189 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion: 43 Resp: 337389
Ion Ratio Lower Upper
43 100
61 26.4 16.0 24.0#

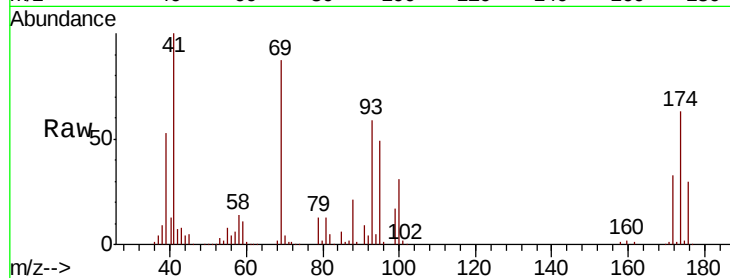




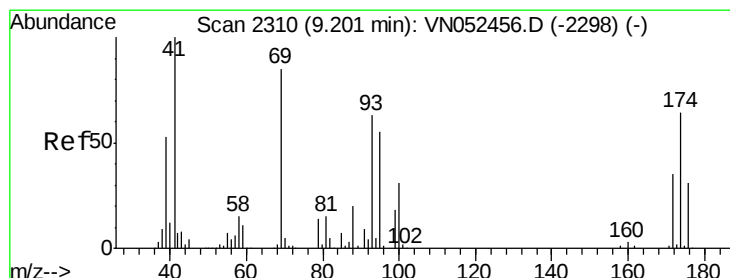
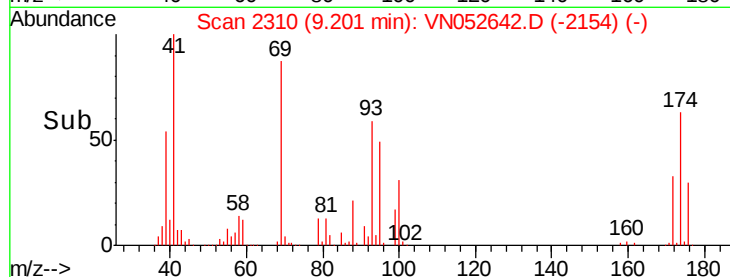
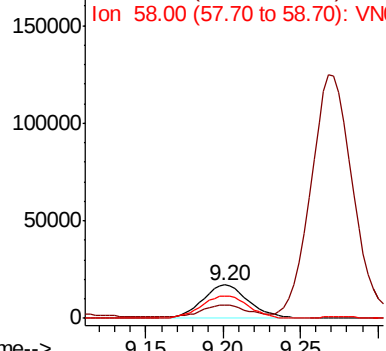
#45
 1,4-Dioxane
 Concen: 462.172 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 35266
 Ion Ratio Lower Upper
 88 100
 43 34.5 29.5 44.3
 58 68.5 61.5 92.3

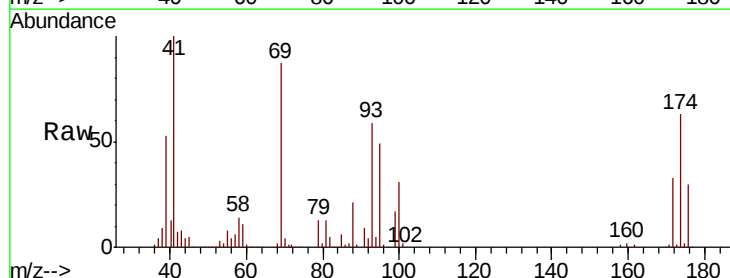


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

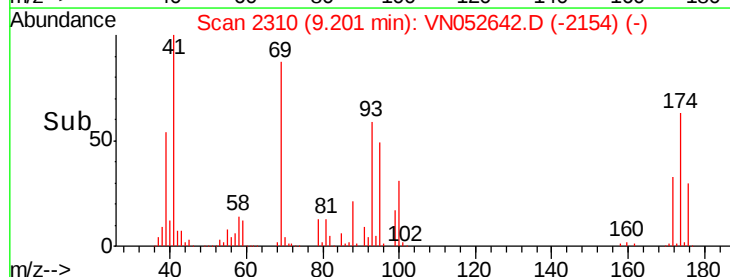
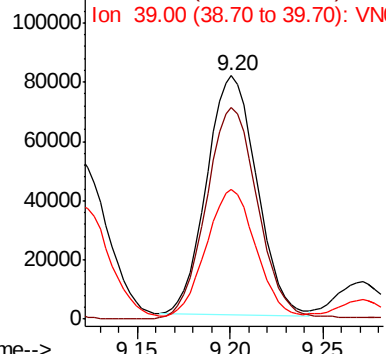


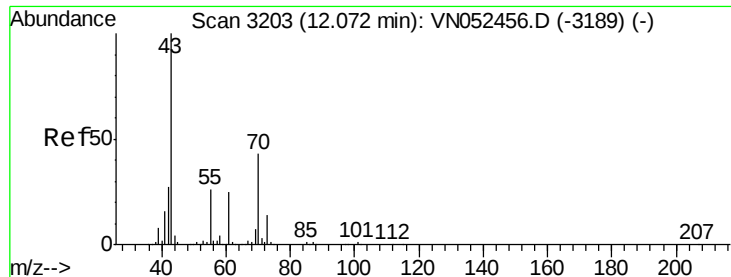
#46
 Methyl methacrylate
 Concen: 20.980 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion: 41 Resp: 151939
 Ion Ratio Lower Upper
 41 100
 69 88.2 42.5 127.6
 39 53.3 26.3 78.9



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

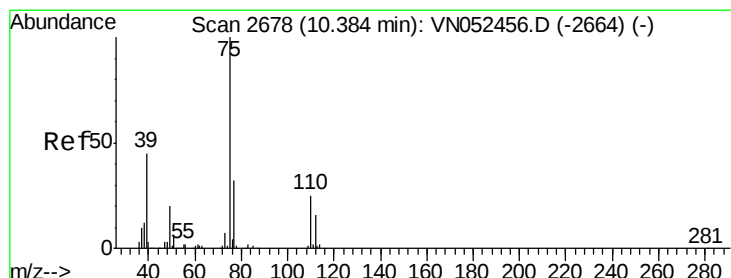
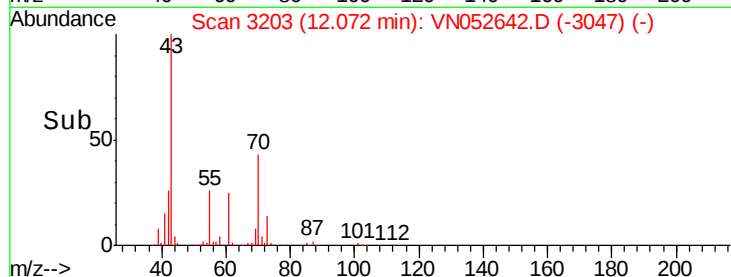
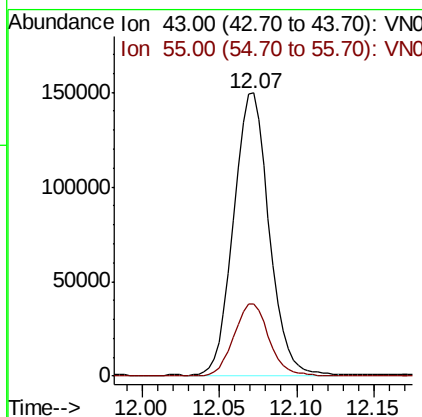
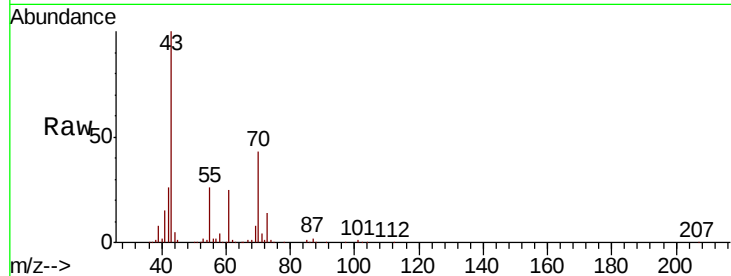




#47
n-amyl Acetate
Concen: 20.458 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

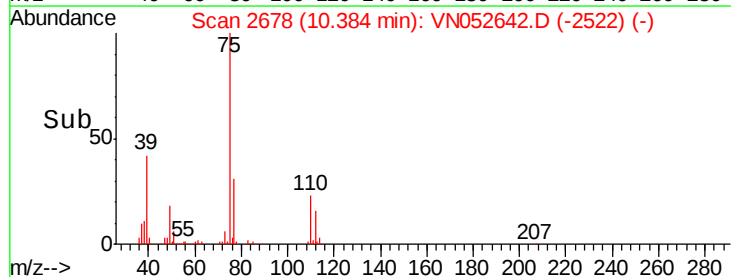
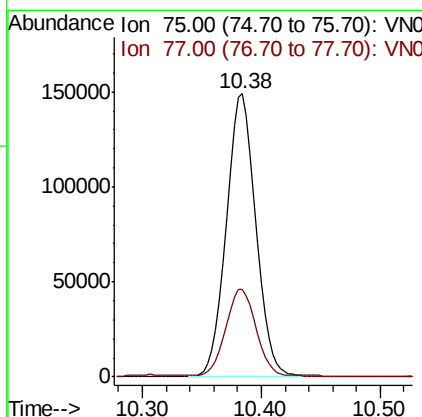
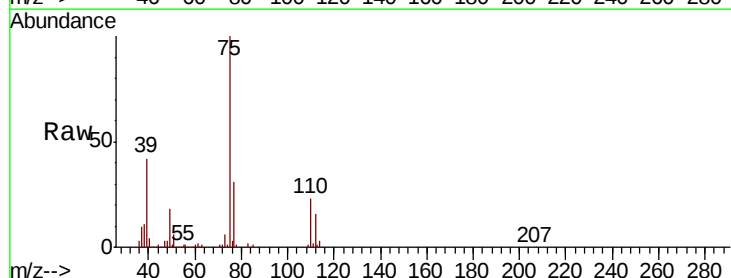
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

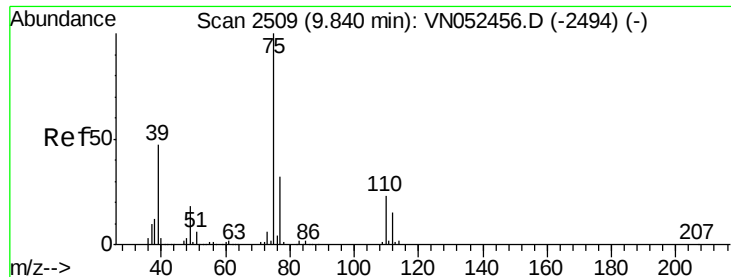
Tot Ion: 43 Resp: 236596
Ion Ratio Lower Upper
43 100
55 25.6 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 19.696 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion: 75 Resp: 256855
Ion Ratio Lower Upper
75 100
77 30.8 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 19.476 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

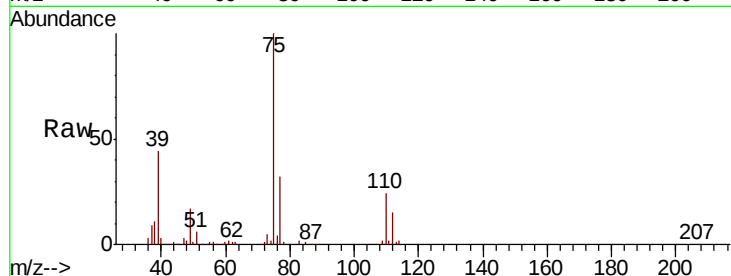
Tot Ion: 75 Resp: 309438

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

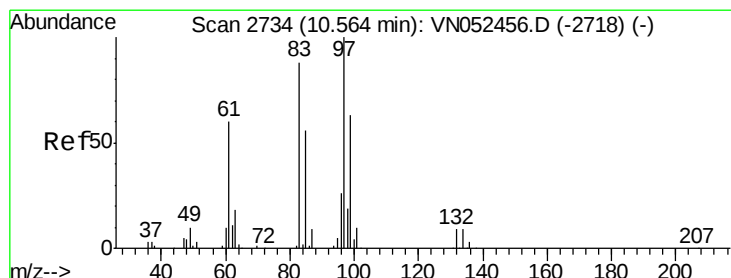
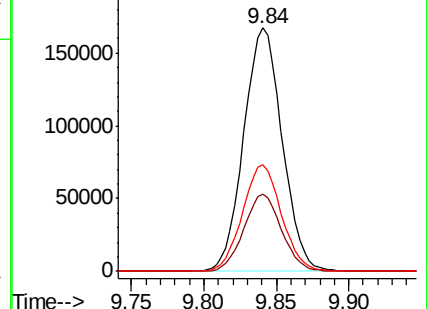
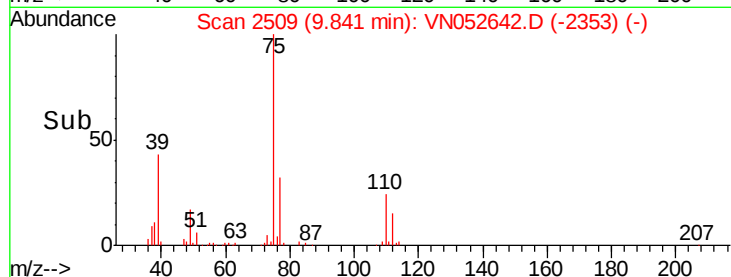
39 43.4 37.3 55.9



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 21.149 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Tgt Ion: 97 Resp: 182492

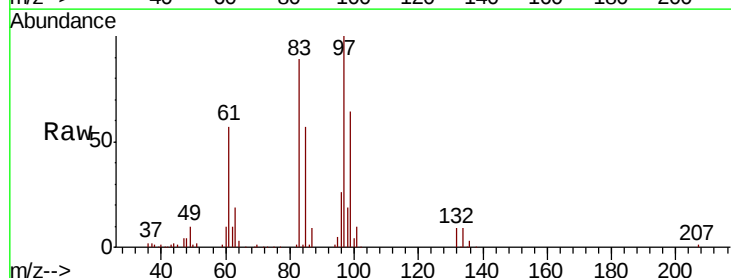
Ion Ratio Lower Upper

97 100

83 88.7 70.4 105.6

85 56.8 45.0 67.6

99 63.5 50.2 75.2

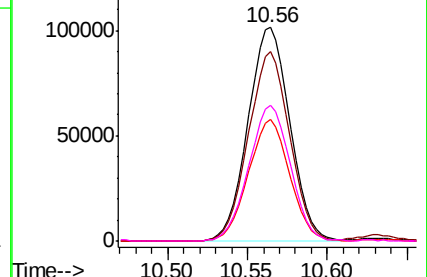
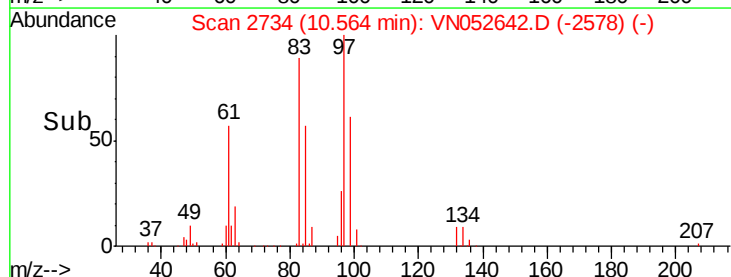


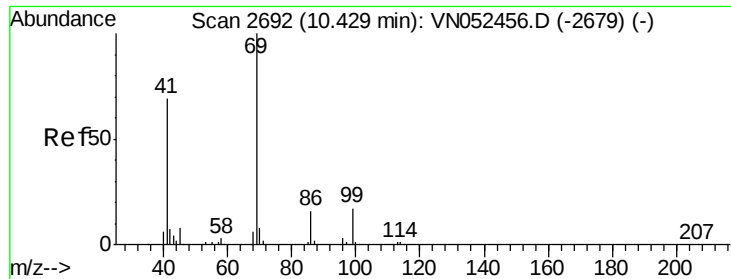
Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 21.015 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

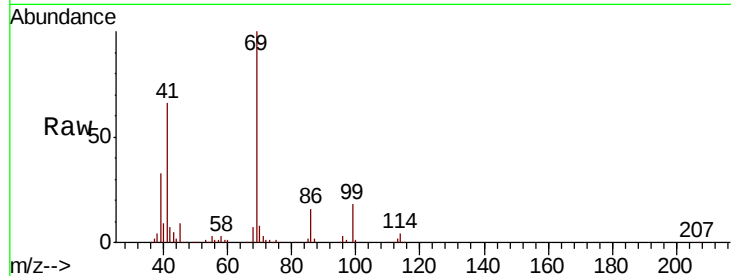
Tot Ion: 69 Resp: 227744

Ion Ratio Lower Upper

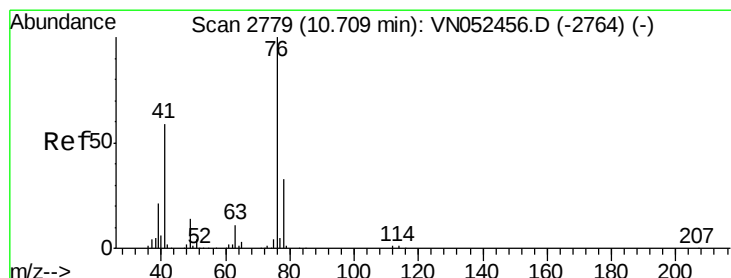
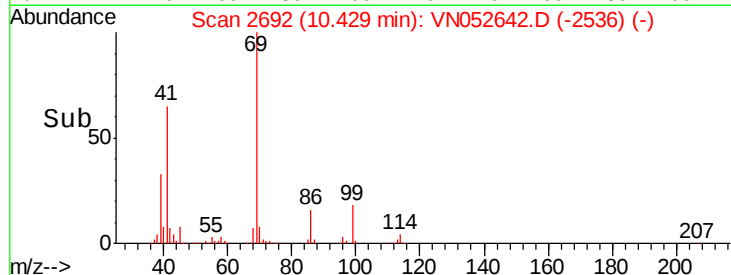
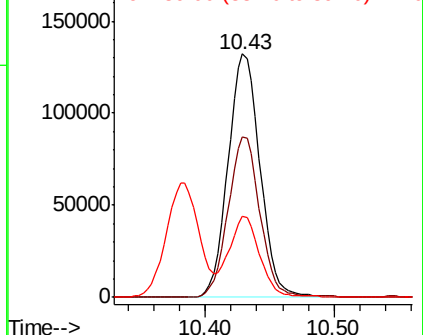
69 100

41 65.4 34.4 103.3

39 32.8 16.4 49.2



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



#52

1,3-Dichloropropane

Concen: 20.391 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052642.D

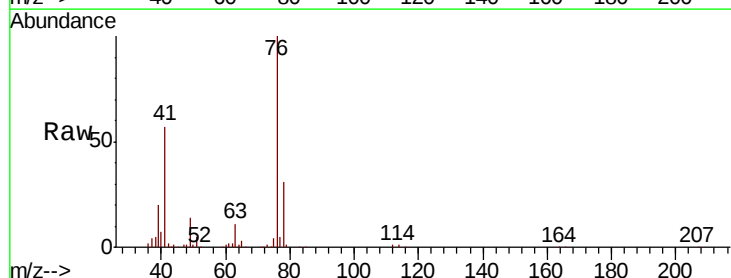
Acq: 3 Dec 2018 20:03

Tgt Ion: 76 Resp: 313189

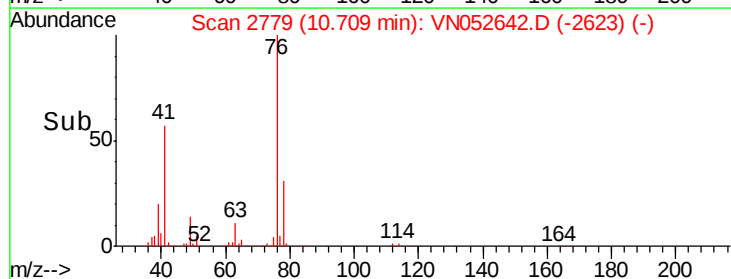
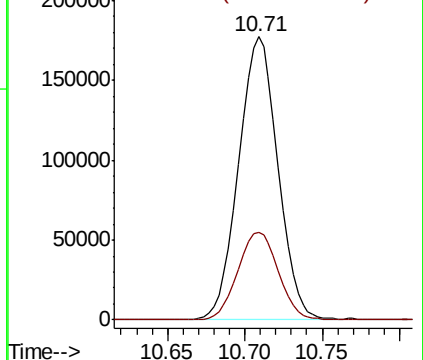
Ion Ratio Lower Upper

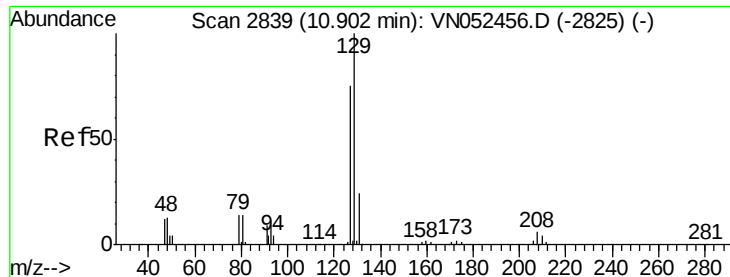
76 100

78 32.1 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.742 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

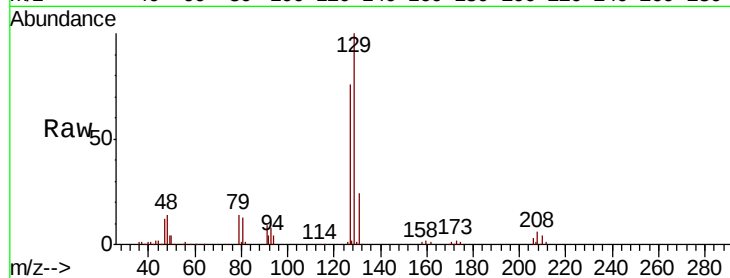
VSTDCCC020EC

Tot Ion:129 Resp: 197051

Ion Ratio Lower Upper

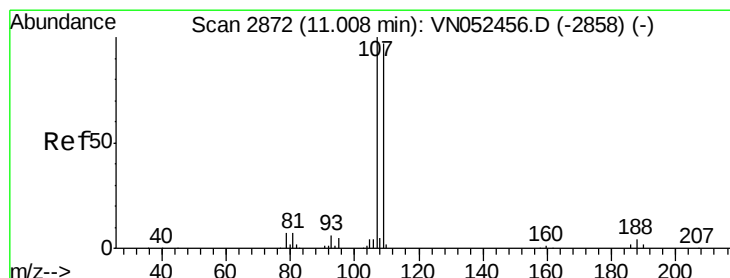
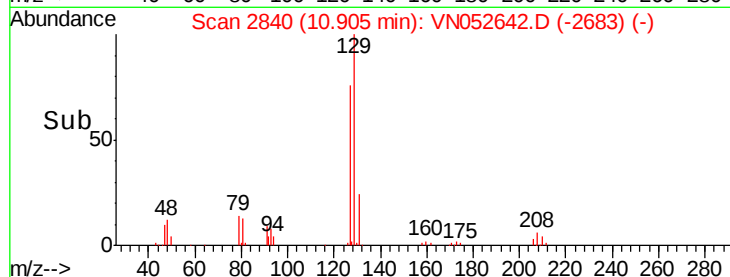
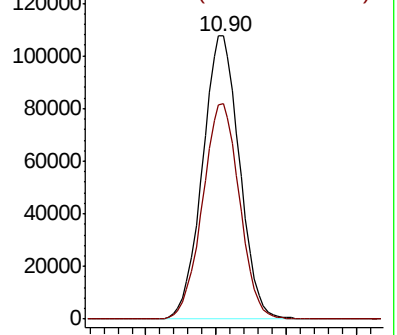
129 100

127 76.1 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: 21.052 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052642.D

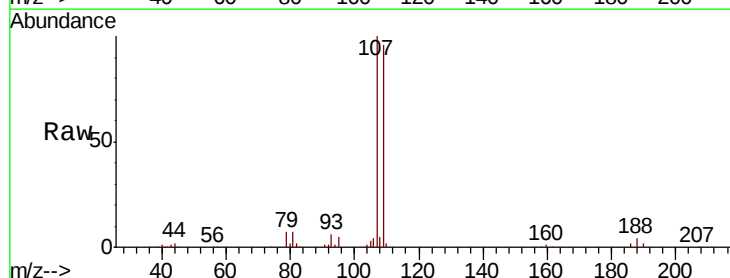
Acq: 3 Dec 2018 20:03

Tgt Ion:107 Resp: 177507

Ion Ratio Lower Upper

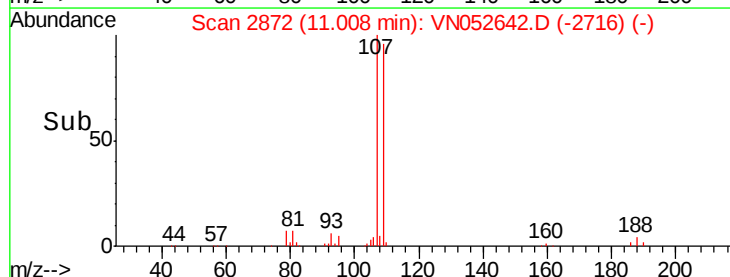
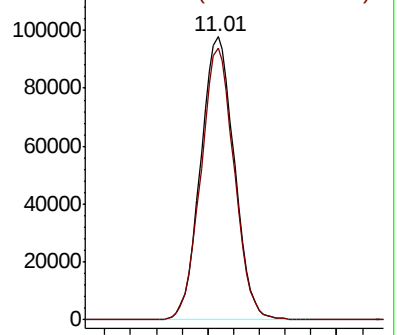
107 100

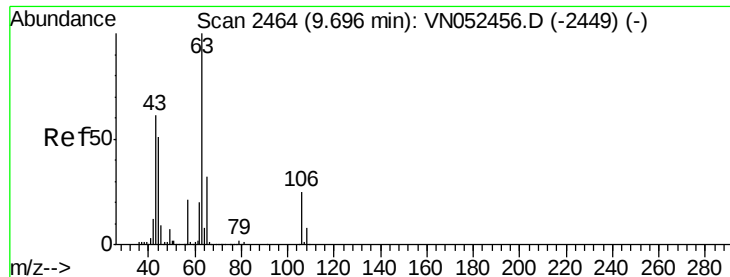
109 94.9 77.1 115.7



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: 108.440 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

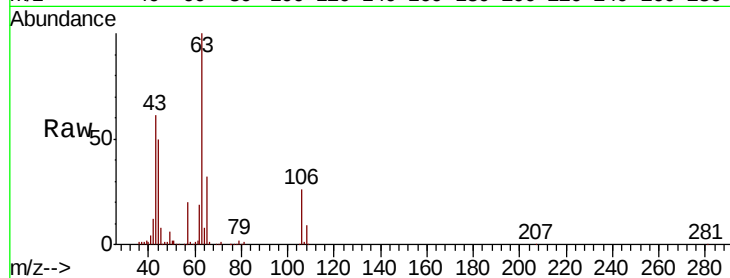
Tot Ion: 63 Resp: 687916

Ion Ratio Lower Upper

63 100

65 32.1 25.4 38.2

106 26.1 20.4 30.6

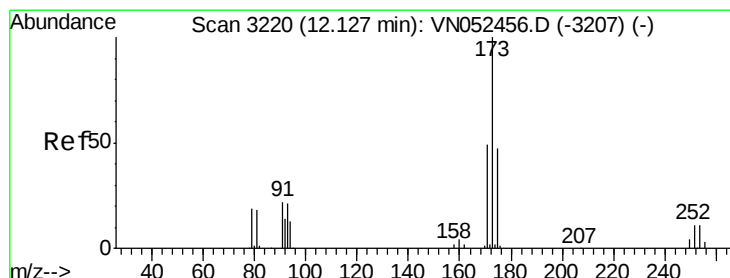
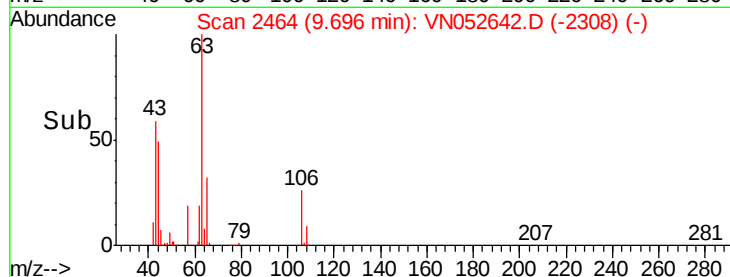
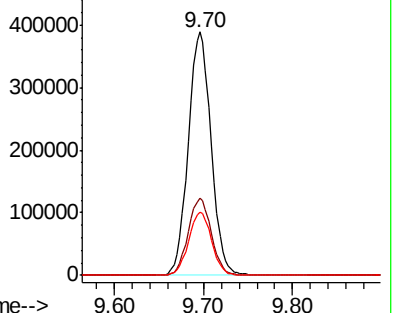


Abundance

Ion 63.00 (62.70 to 63.70): VN052456.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN052456.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN052456.D (-2449) (-)



#56

Bromoform

Concen: 21.079 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

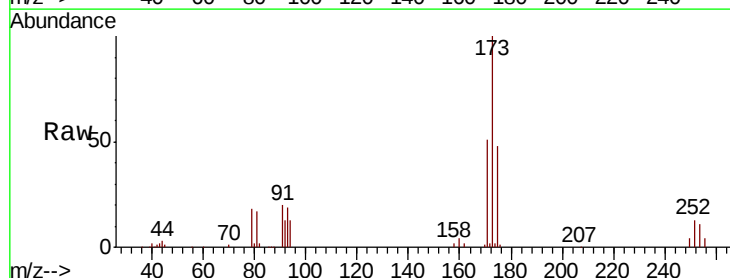
Tgt Ion: 173 Resp: 130893

Ion Ratio Lower Upper

173 100

175 48.6 38.7 58.1

254 11.0 8.4 12.6

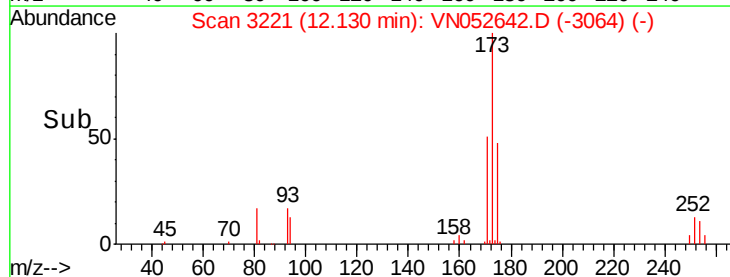
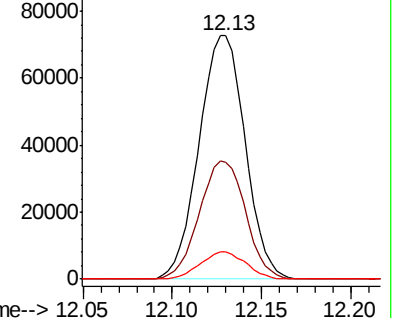


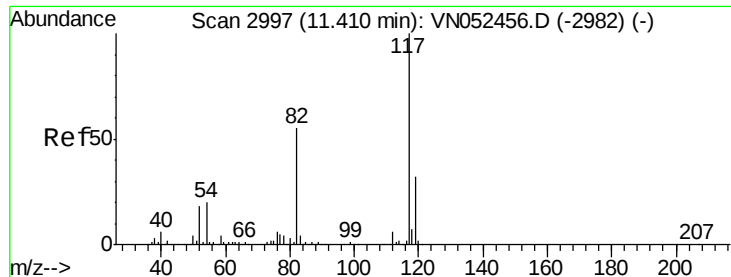
Abundance

Ion 173.00 (172.70 to 173.70): VN052456.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN052456.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN052456.D (-3207) (-)

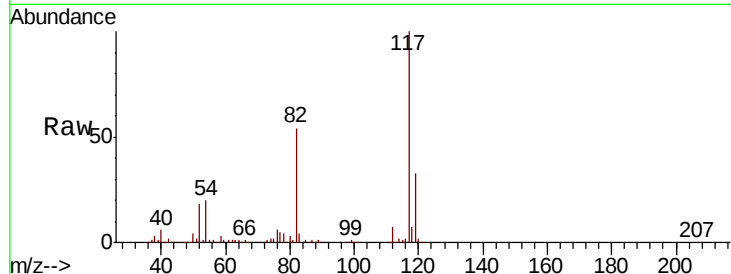




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	32.8	25.4	38.2

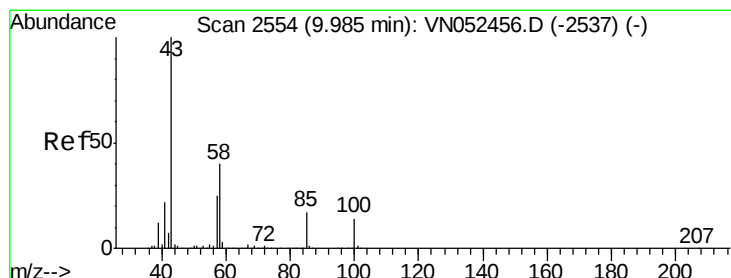
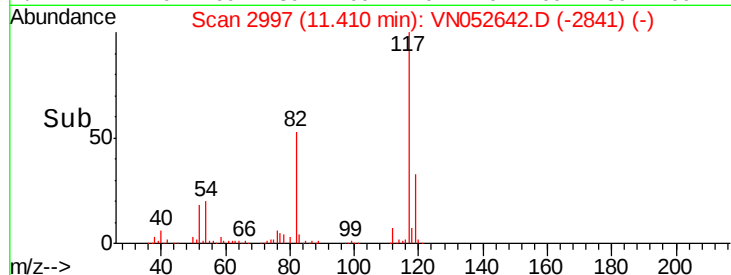
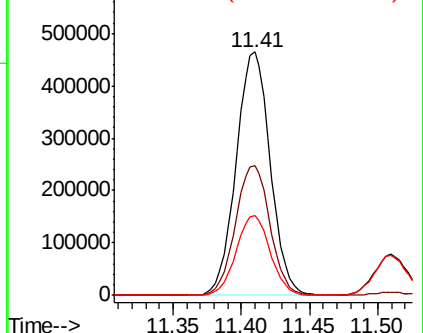


Abundance

Ion 117.00 (116.70 to 117.70): V

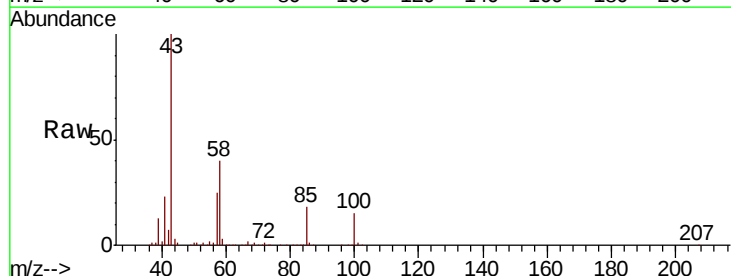
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 108.069 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.6	47.4
85	17.8	13.3	19.9

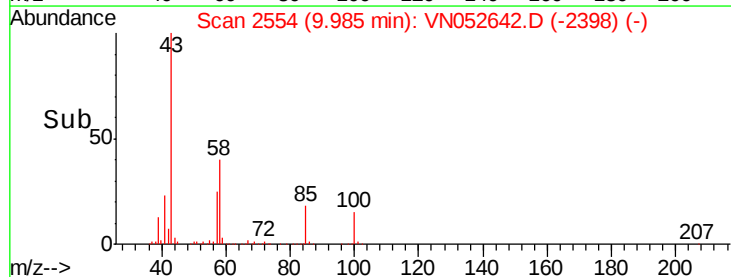
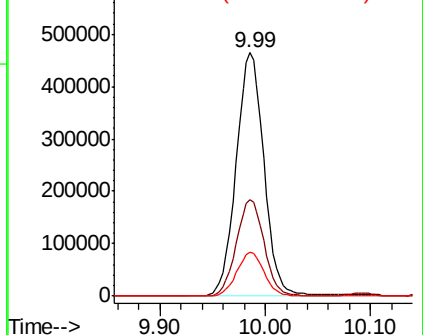


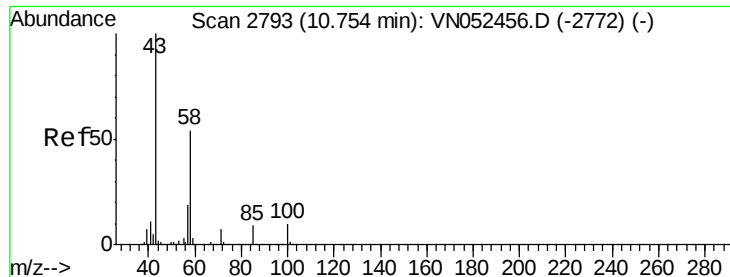
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V

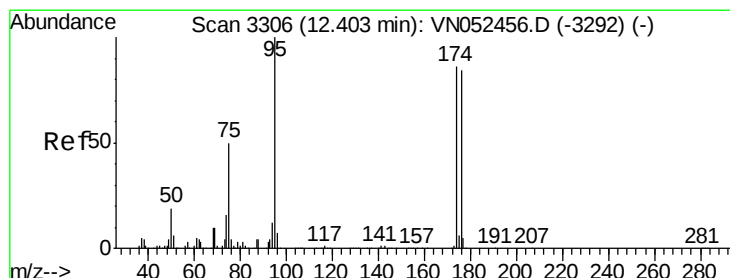
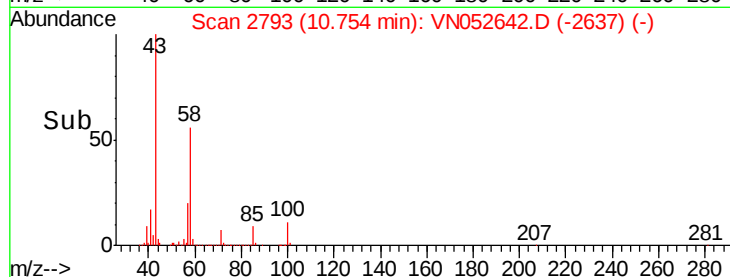
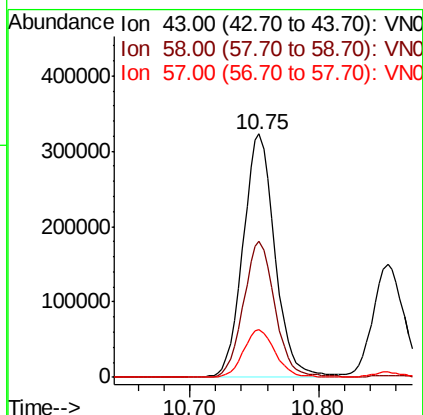
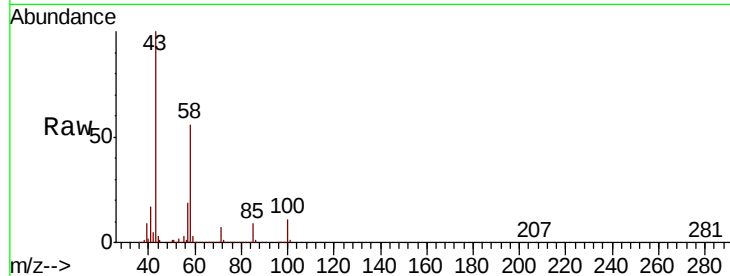




#59
2-Hexanone
Concen: 103.485 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

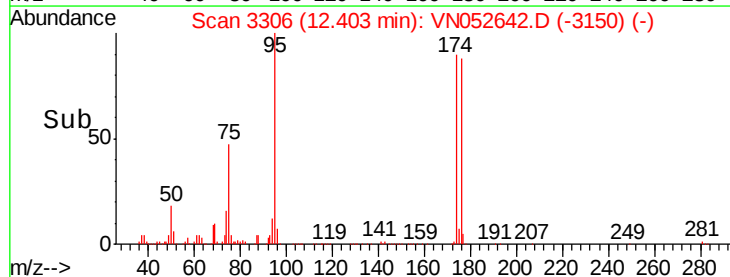
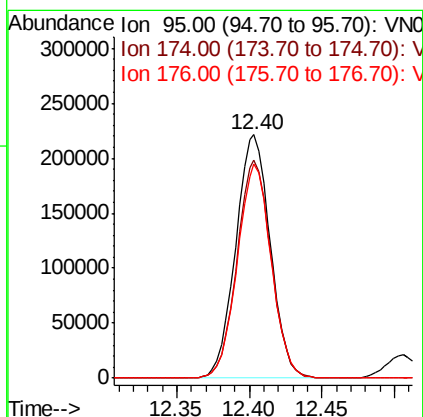
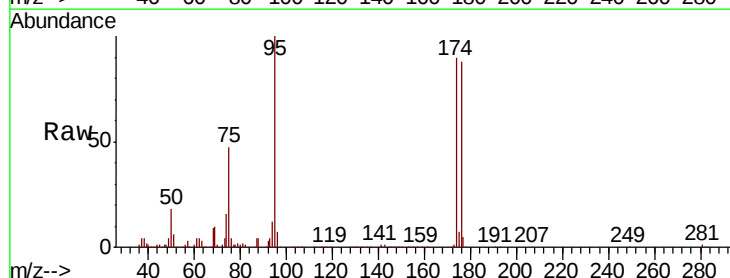
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

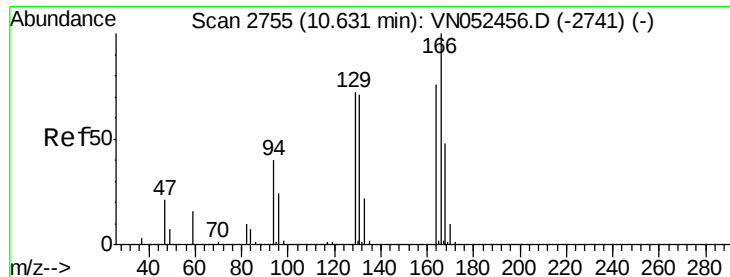
Tot Ion: 43 Resp: 551837
Ion Ratio Lower Upper
43 100
58 55.8 43.2 64.8
57 19.9 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 103.485 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion: 95 Resp: 366234
Ion Ratio Lower Upper
95 100
174 88.4 67.9 101.9
176 86.2 66.4 99.6





#61

Tetrachloroethene

Concen: 21.198 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 210226

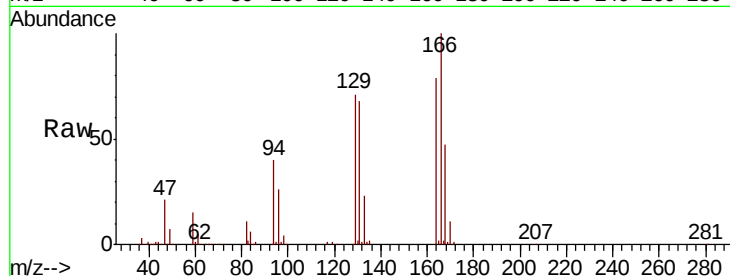
Ion Ratio Lower Upper

164 100

166 126.9 104.6 157.0

129 90.3 75.3 112.9

131 86.5 74.3 111.5

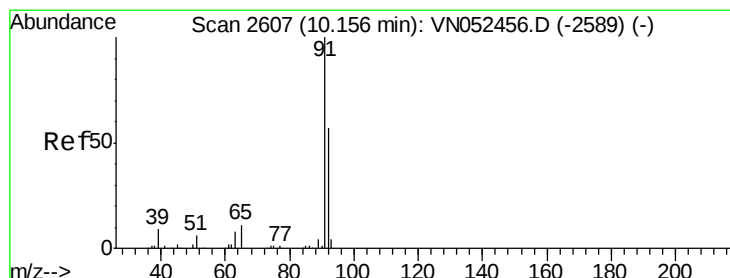
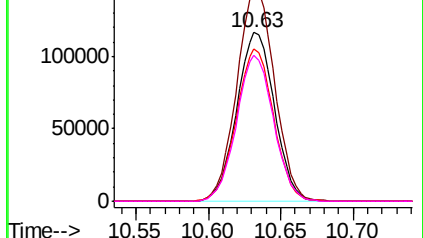
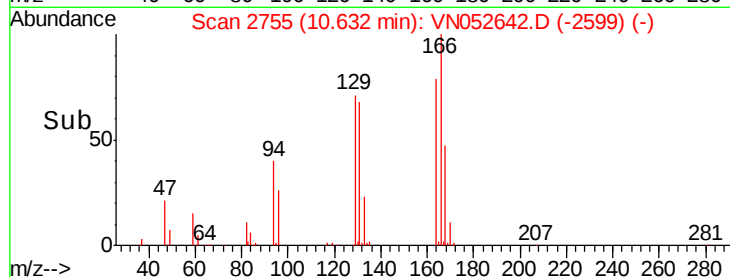


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.853 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052642.D

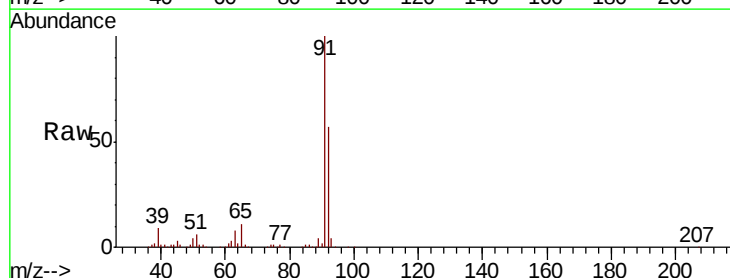
Acq: 3 Dec 2018 20:03

Tgt Ion: 91 Resp: 881252

Ion Ratio Lower Upper

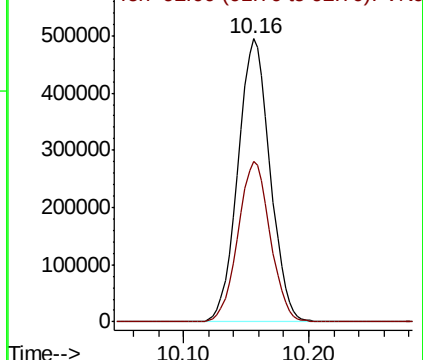
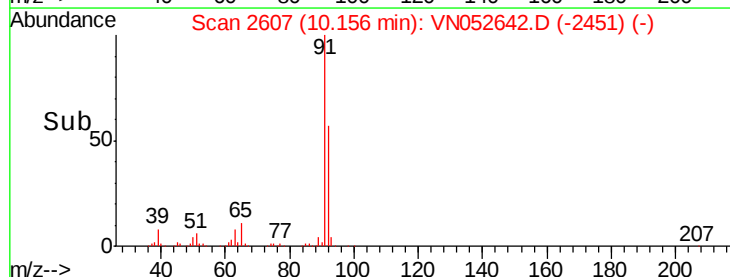
91 100

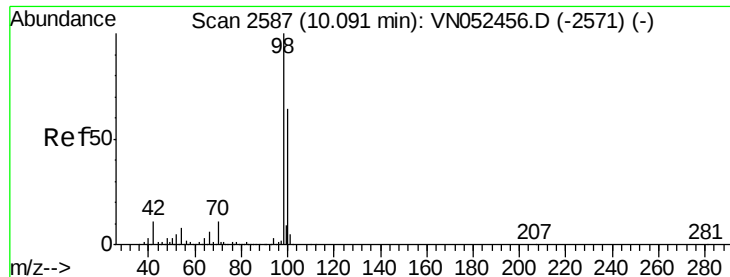
92 56.9 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 19.853 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

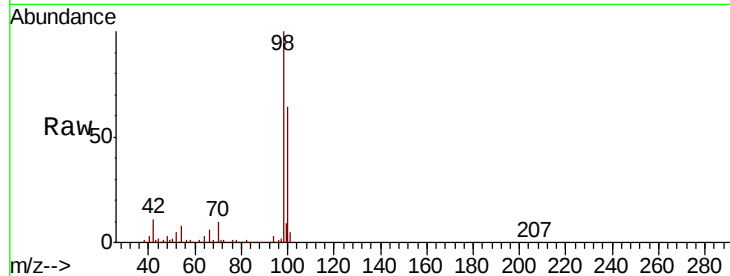
VSTDCCC020EC

Tot Ion: 98 Resp: 1103925

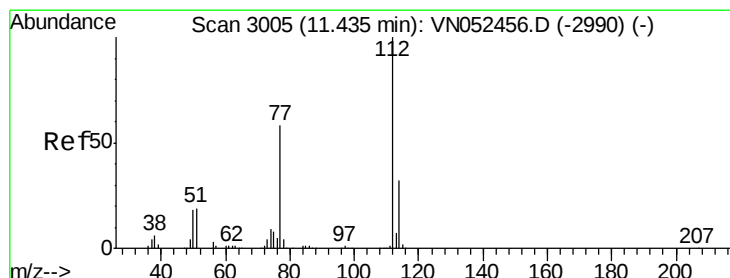
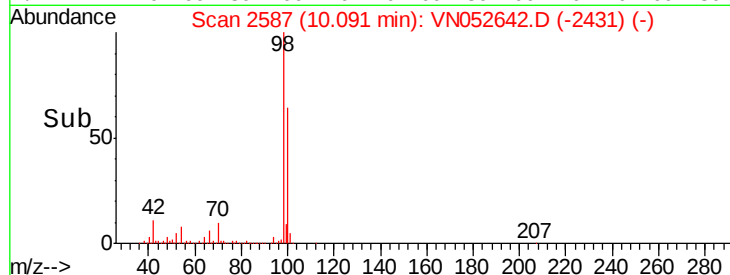
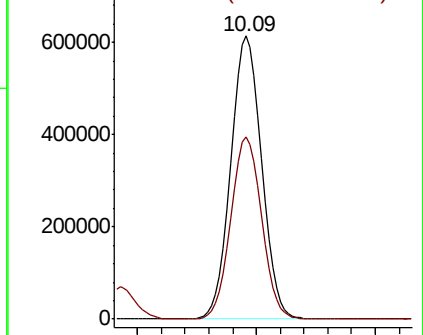
Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)



#64

Chlorobenzene

Concen: 19.969 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052642.D

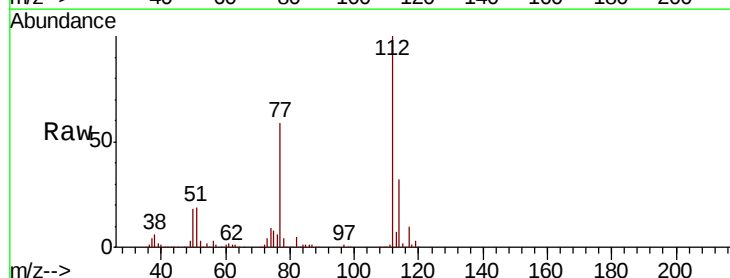
Acq: 3 Dec 2018 20:03

Tgt Ion: 112 Resp: 541028

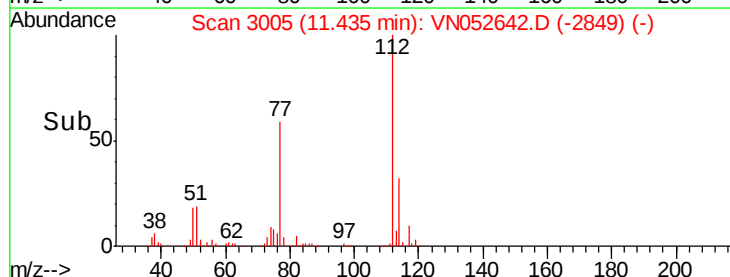
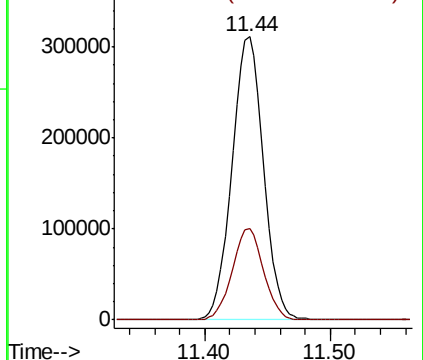
Ion Ratio Lower Upper

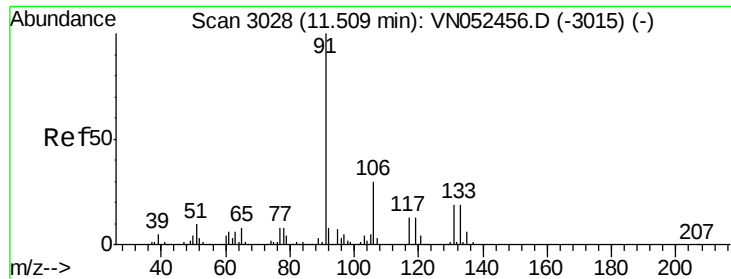
112 100

114 32.4 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.231 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

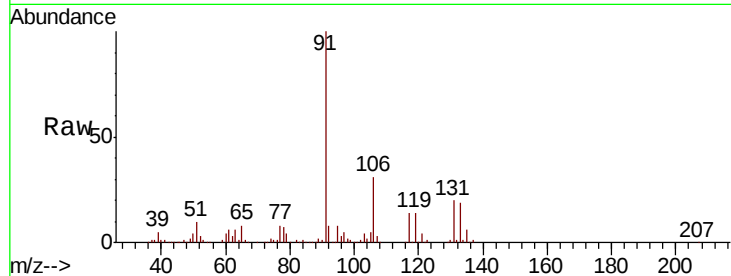
Tot Ion:131 Resp: 190257

Ion Ratio Lower Upper

131 100

133 95.2 0.0 193.4

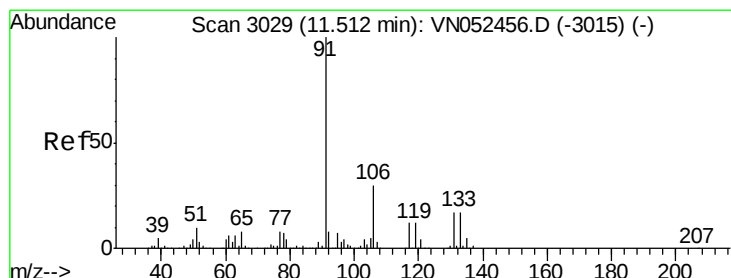
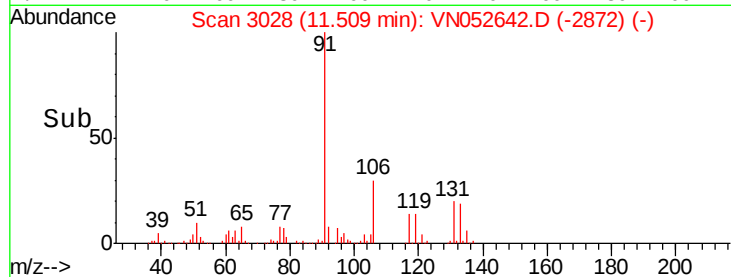
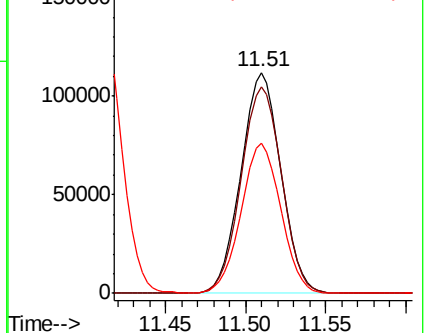
119 67.6 0.0 133.0



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: 19.645 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052642.D

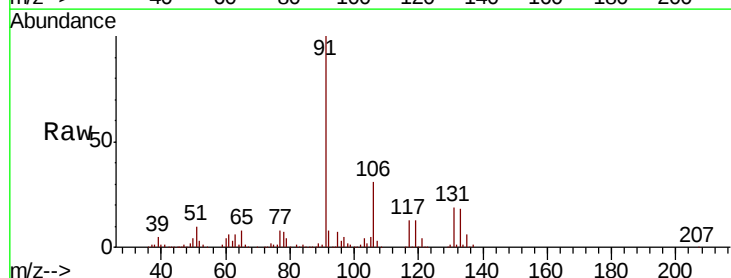
Acq: 3 Dec 2018 20:03

Tgt Ion: 91 Resp: 939813

Ion Ratio Lower Upper

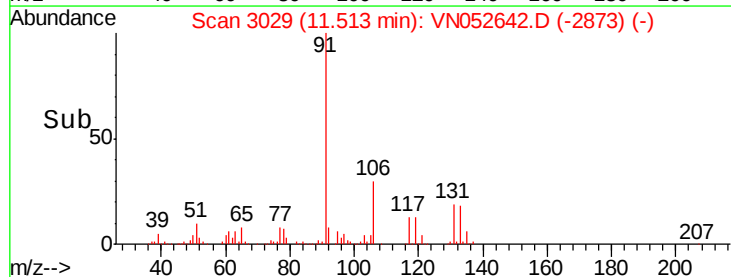
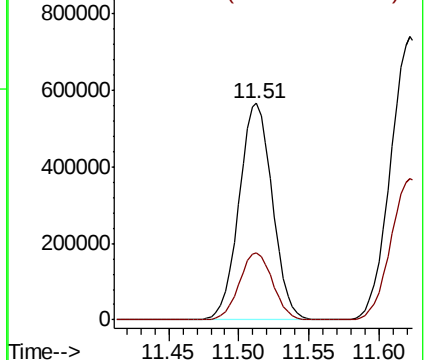
91 100

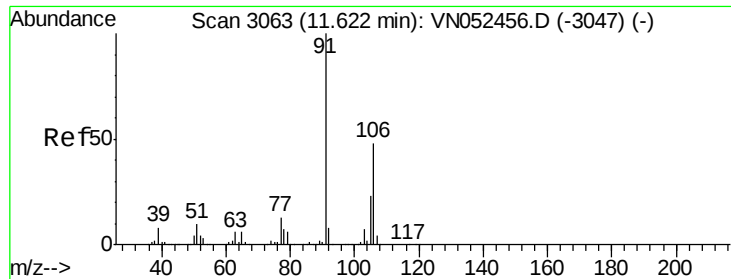
106 30.9 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.085 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

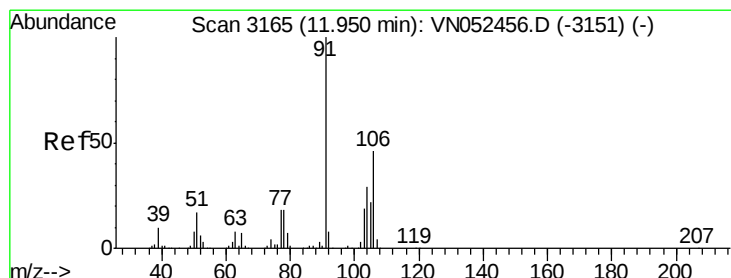
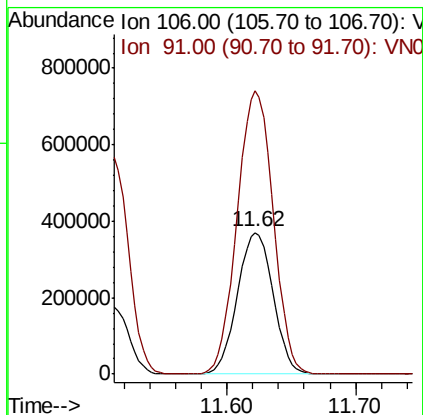
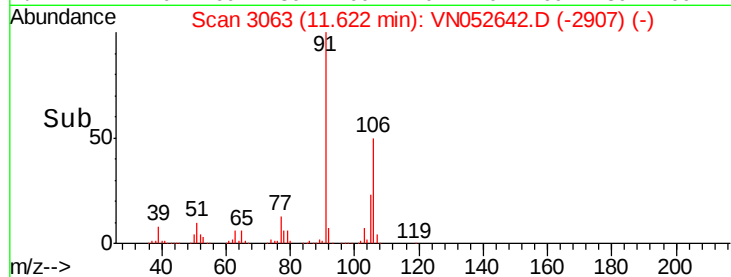
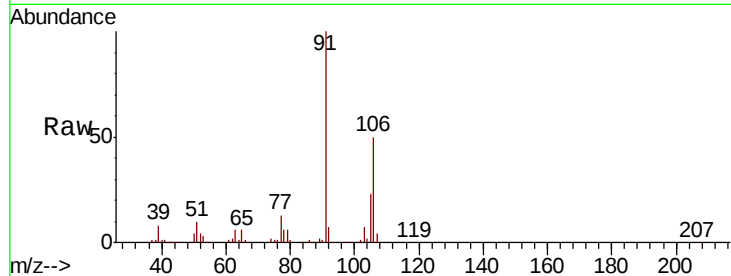
VSTDCCC020EC

Tot Ion:106 Resp: 714440

Ion Ratio Lower Upper

106 100

91 201.7 163.9 245.9



#68

o-Xylene

Concen: 20.159 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052642.D

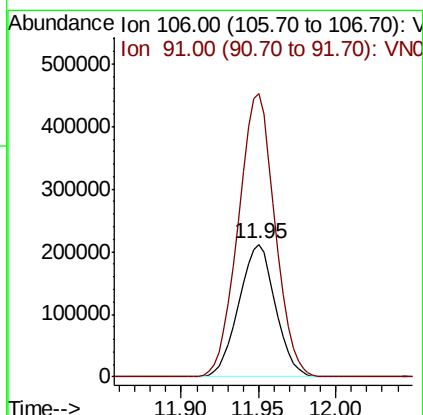
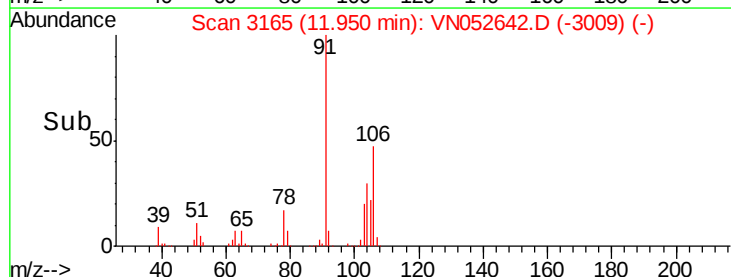
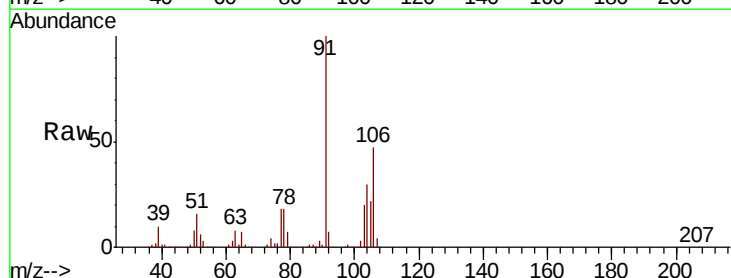
Acq: 3 Dec 2018 20:03

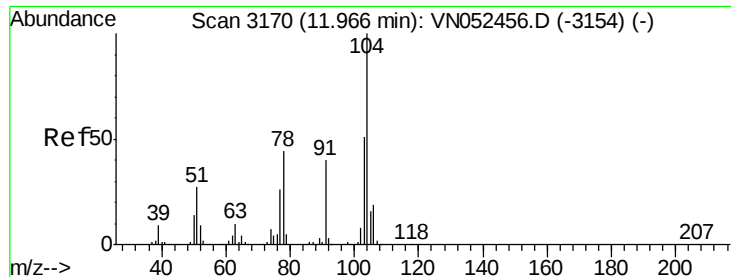
Tgt Ion:106 Resp: 348734

Ion Ratio Lower Upper

106 100

91 214.5 107.8 323.4

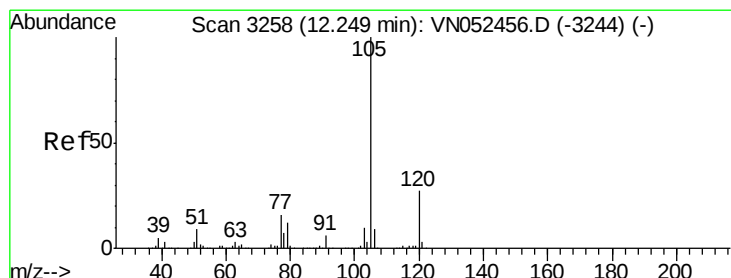
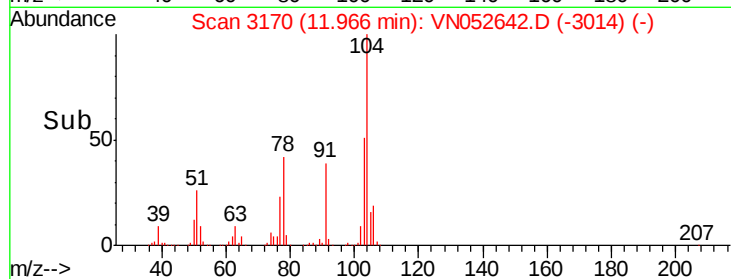
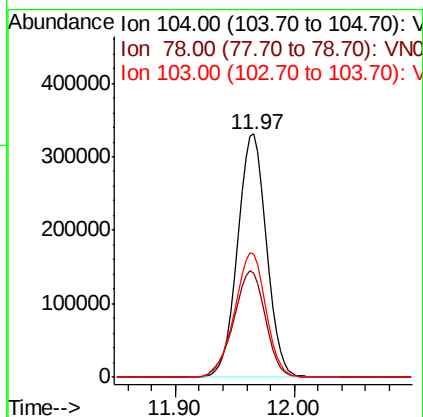
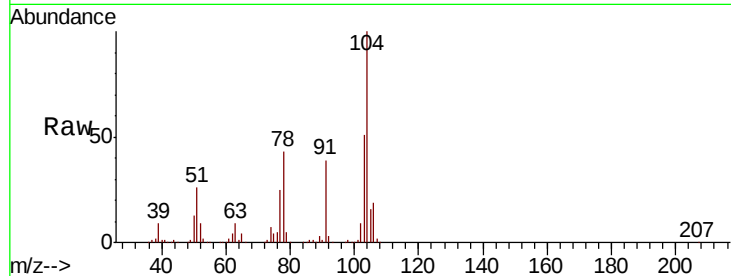




#69
Stvrene
Concen: 19.955 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

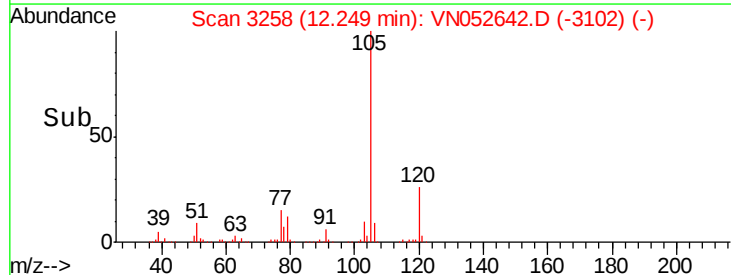
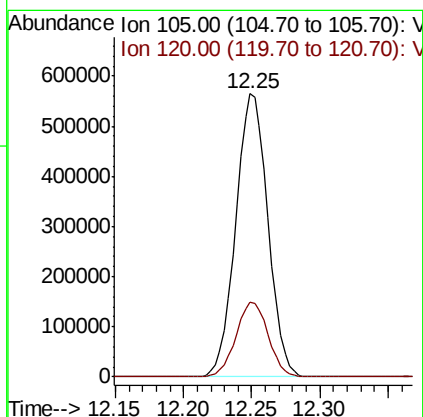
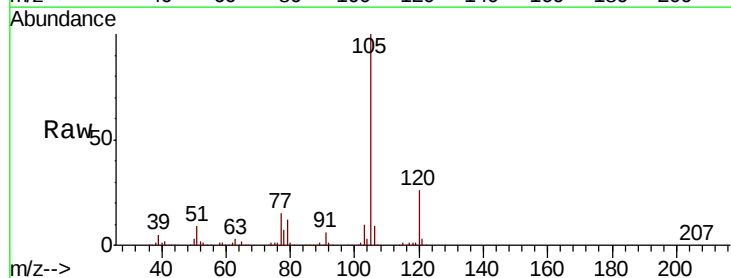
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

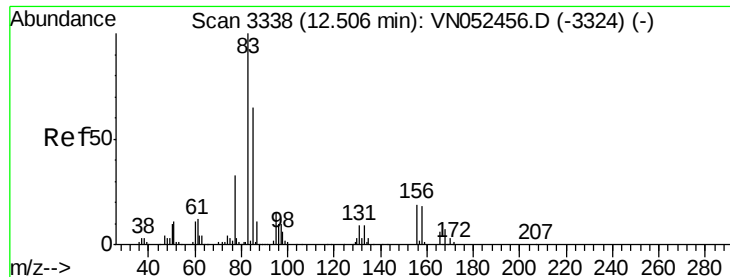
Tot Ion:104 Resp: 557201
Ion Ratio Lower Upper
104 100
78 48.3 39.3 58.9
103 55.6 44.6 66.8



#70
Isopropylbenzene
Concen: 20.012 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion:105 Resp: 921118
Ion Ratio Lower Upper
105 100
120 26.5 18.6 34.6

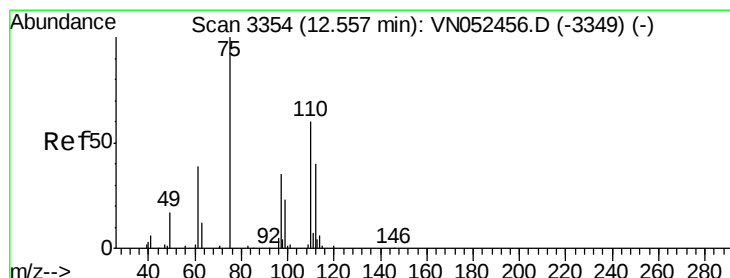
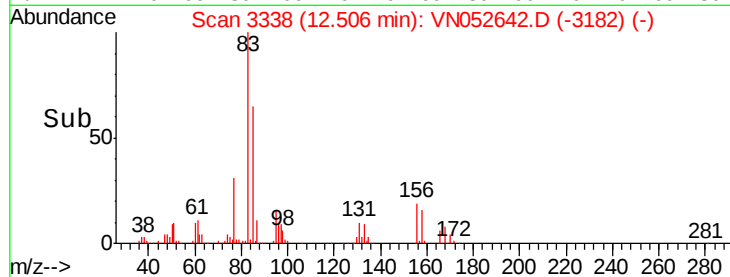
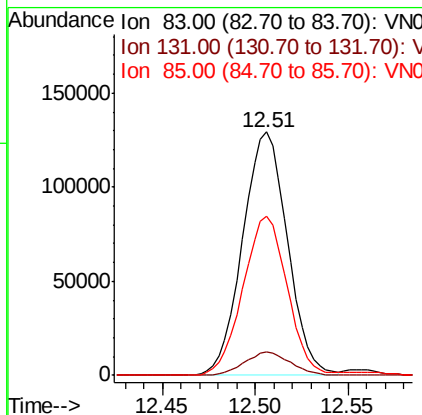
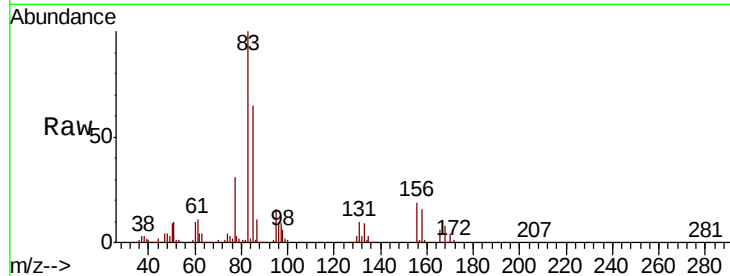




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.706 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

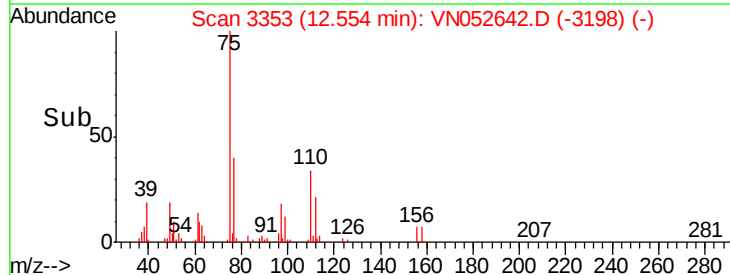
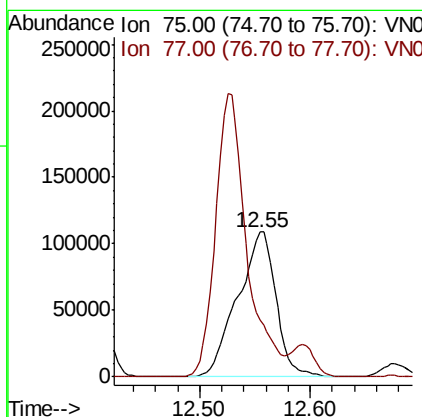
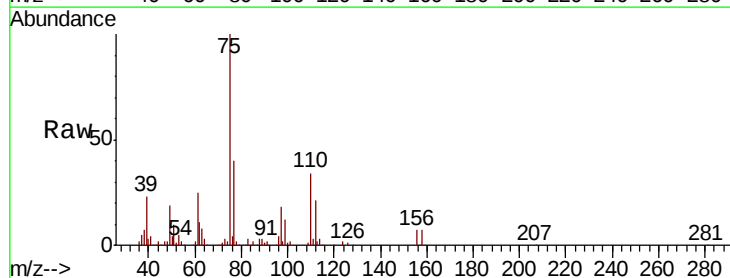
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

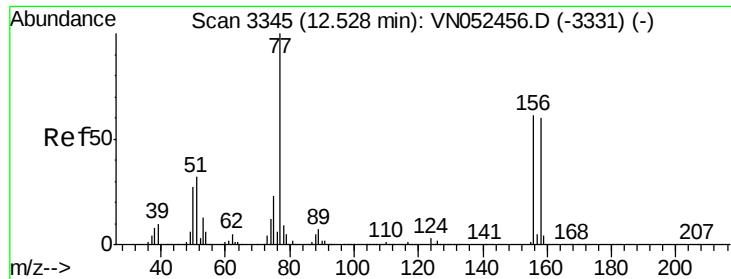
Tot Ion	83	Resp	217334
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	64.3	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 30.602 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion	75	Resp	263021
Ion Ratio	Lower	Upper	
75	100		
77	158.6	0.0	514.8





#73

Bromobenzene

Concen: 20.698 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

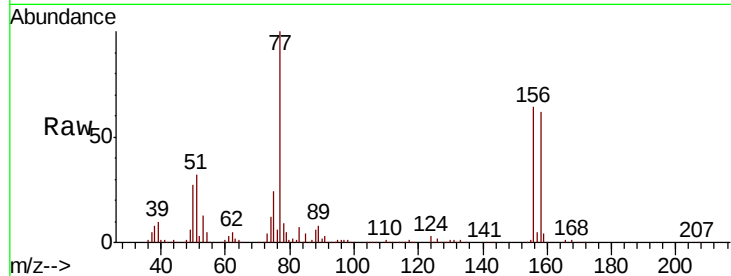
Tot Ion:156 Resp: 230417

Ion Ratio Lower Upper

156 100

77 181.1 0.0 382.6

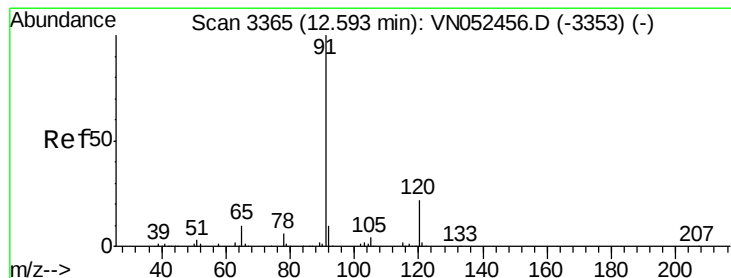
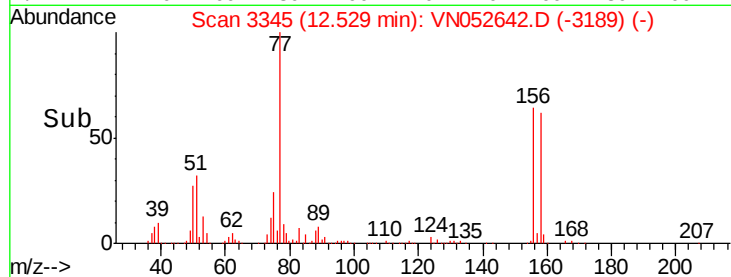
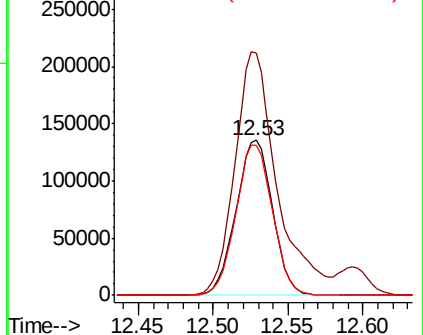
158 97.3 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.379 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052642.D

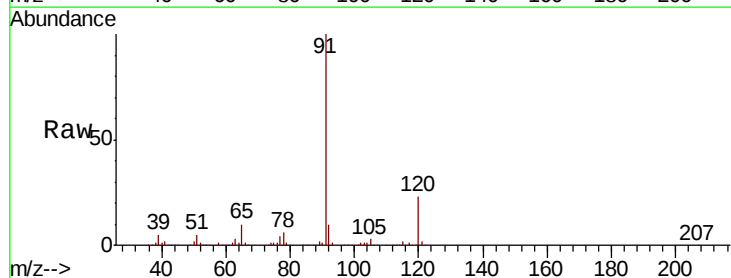
Acq: 3 Dec 2018 20:03

Tgt Ion: 91 Resp: 1039299

Ion Ratio Lower Upper

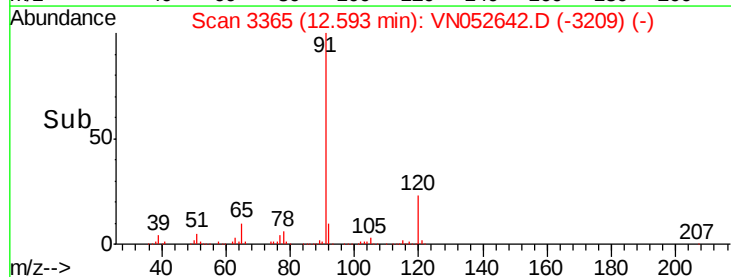
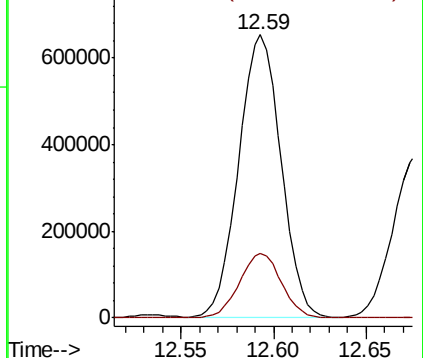
91 100

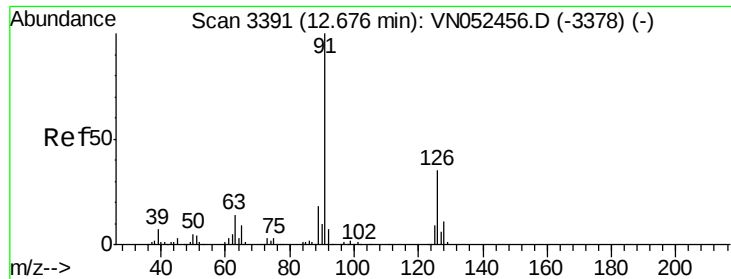
120 22.5 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.062 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

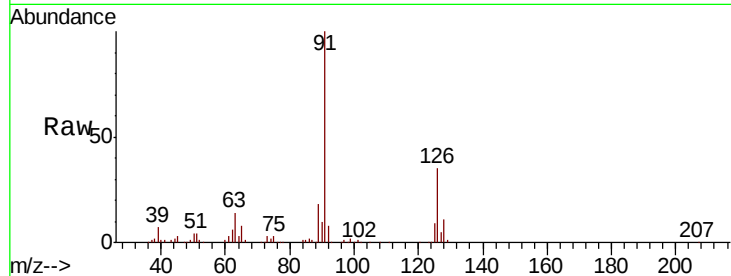
VSTDCCC020EC

Tot Ion: 91 Resp: 624491

Ion Ratio Lower Upper

91 100

126 34.6 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052456.D (-3378) (-)

600000

400000

200000

0

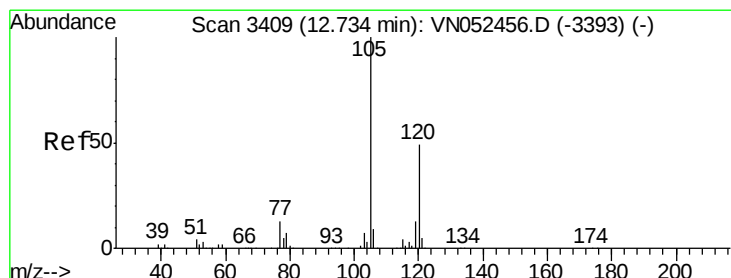
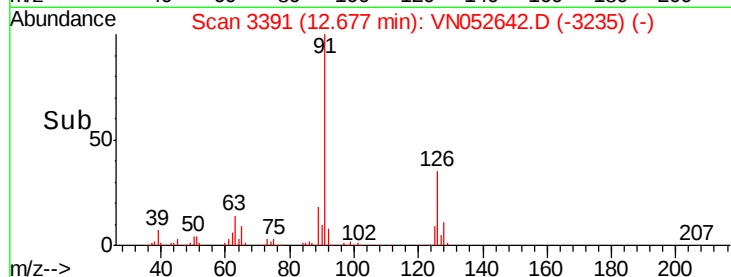
12.68

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.232 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052642.D

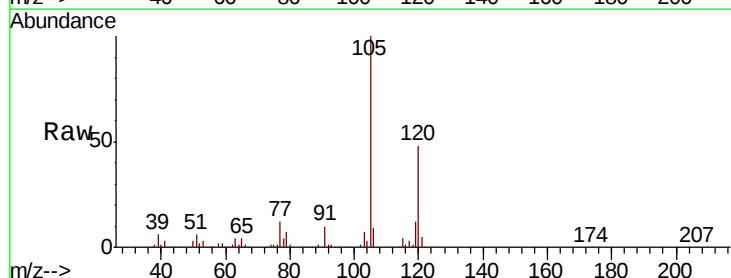
Acq: 3 Dec 2018 20:03

Tgt Ion: 105 Resp: 752157

Ion Ratio Lower Upper

105 100

120 48.1 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052456.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN052456.D (-3393) (-)

500000

400000

300000

200000

100000

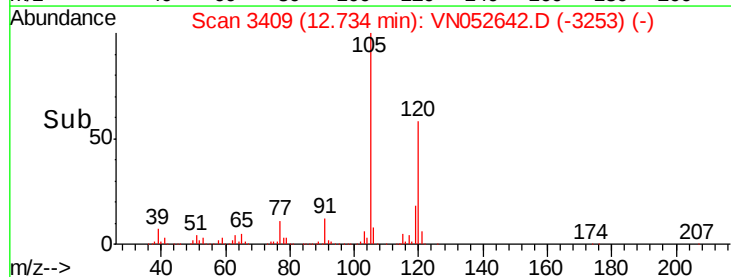
0

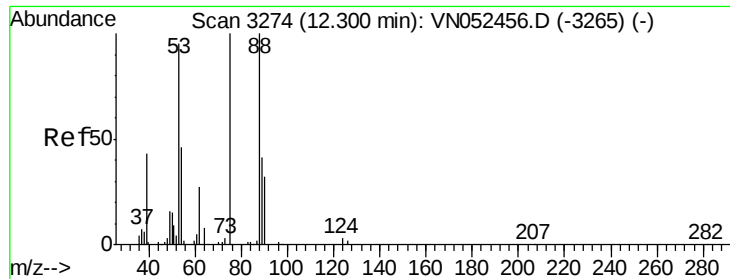
12.73

12.70

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 19.243 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

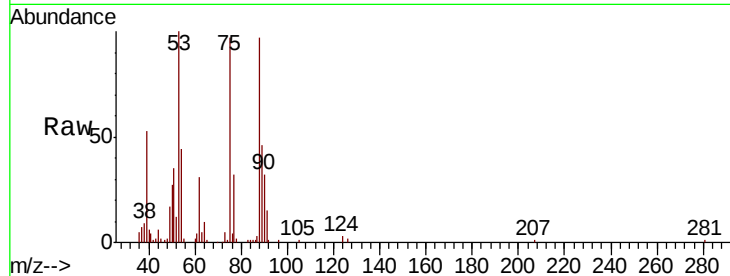
Tot Ion: 75 Resp: 52248

Ion Ratio Lower Upper

75 100

53 102.9 48.5 145.6

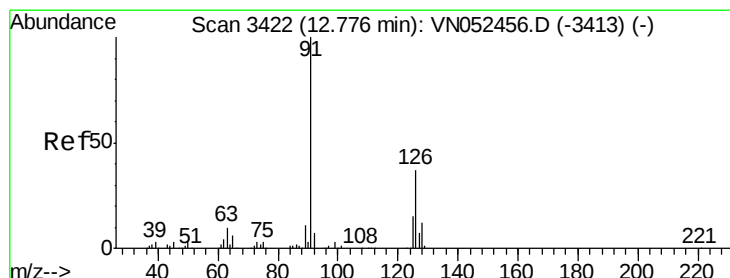
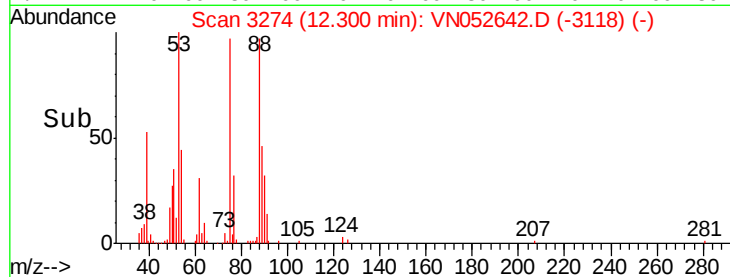
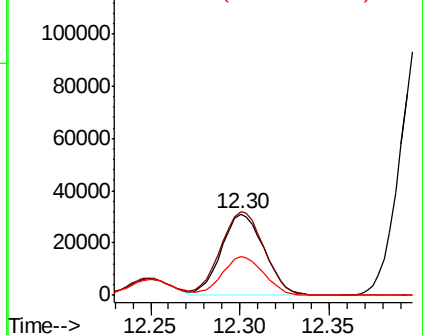
89 47.5 21.7 65.1



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: 19.631 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052642.D

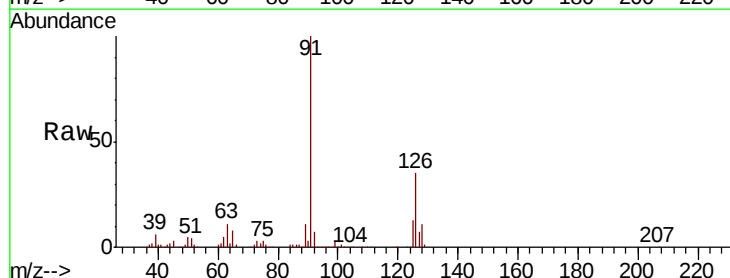
Acq: 3 Dec 2018 20:03

Tgt Ion: 91 Resp: 610251

Ion Ratio Lower Upper

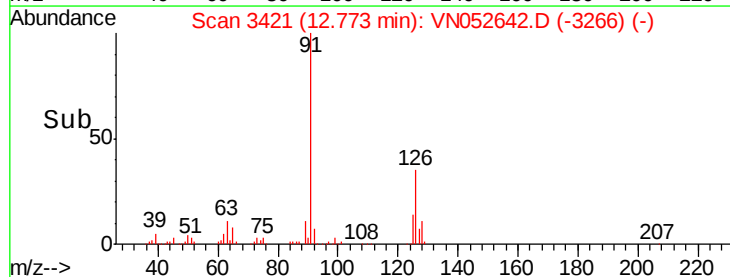
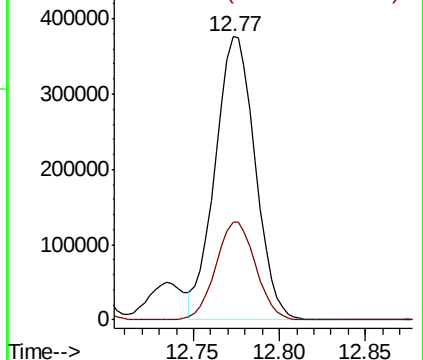
91 100

126 34.5 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

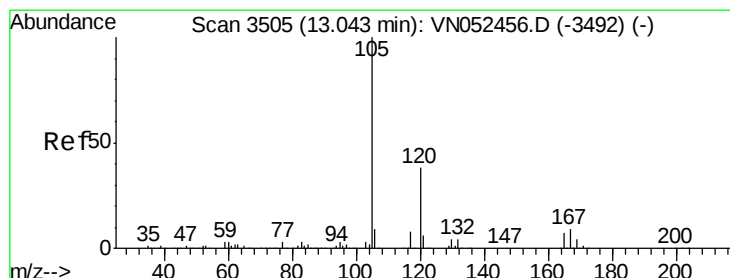
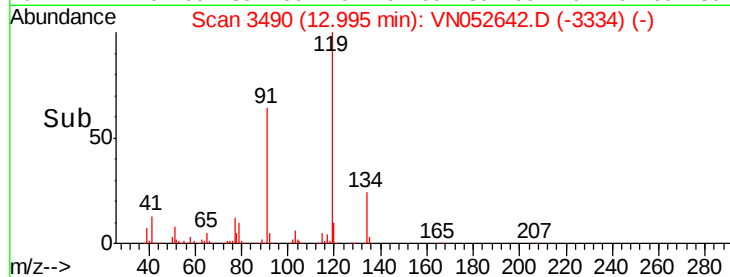
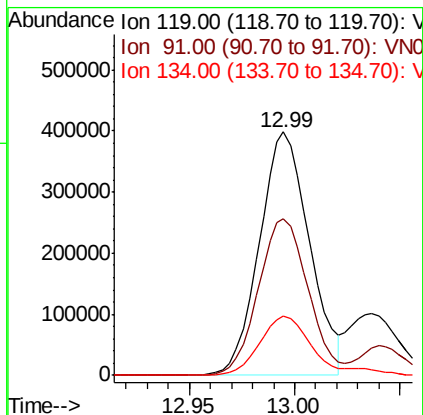
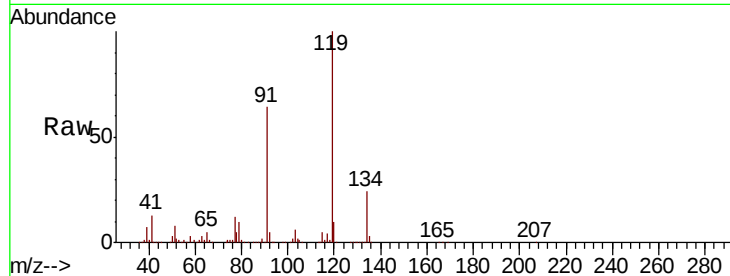




#79
tert-butylbenzene
Concen: 20.325 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

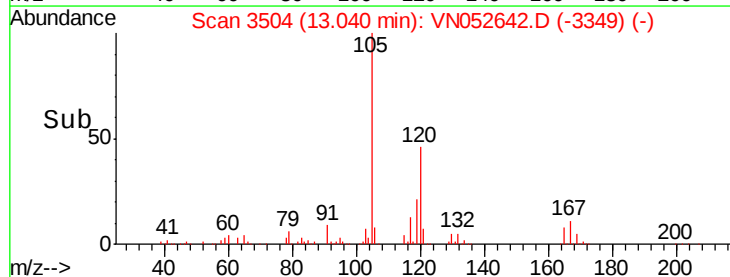
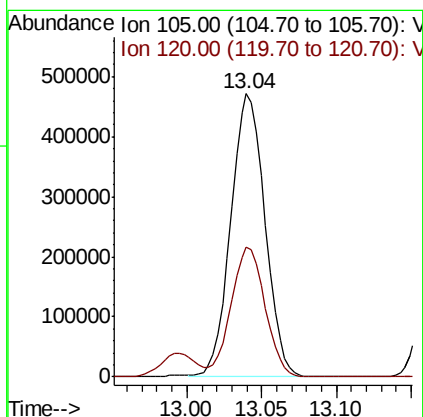
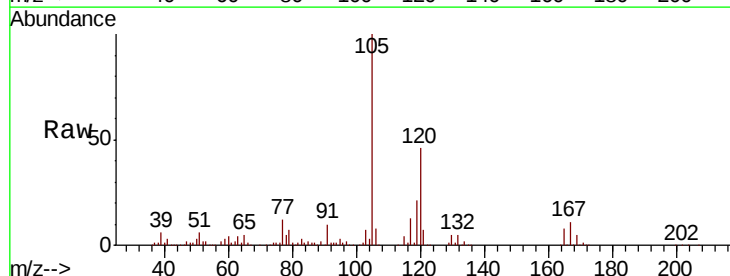
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

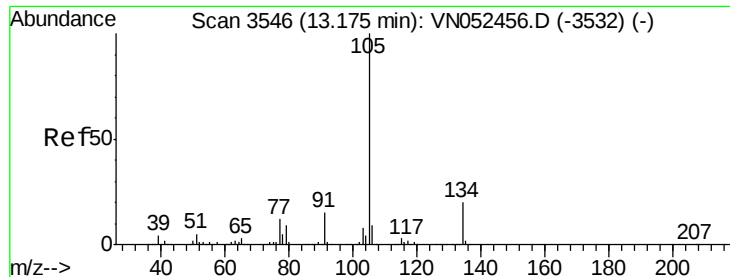
Tot Ion:119 Resp: 658045
Ion Ratio Lower Upper
119 100
91 63.9 0.0 129.8
134 24.3 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 20.158 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion:105 Resp: 749876
Ion Ratio Lower Upper
105 100
120 45.5 0.0 91.0





#81

sec-Butylbenzene

Concen: 19.650 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

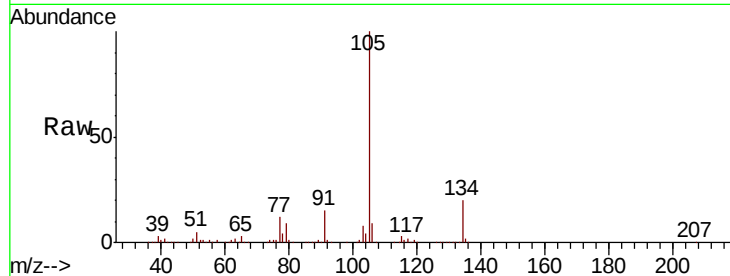
VSTDCCC020EC

Tot Ion:105 Resp: 886162

Ion Ratio Lower Upper

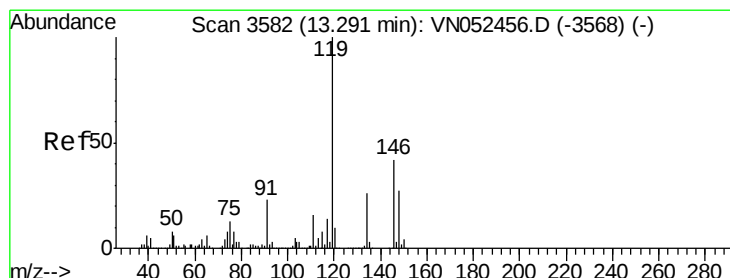
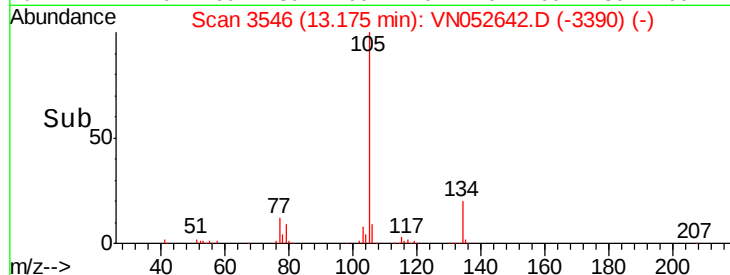
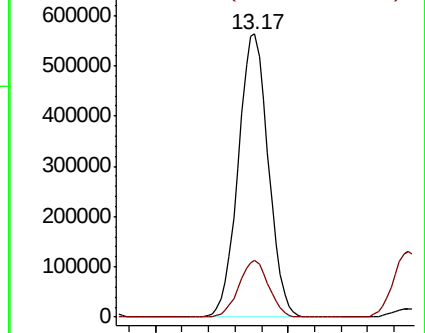
105 100

134 19.8 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.631 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

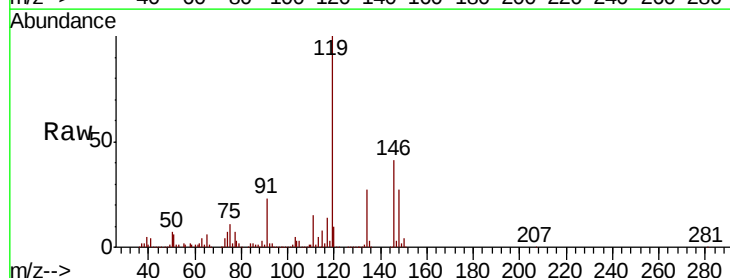
Tgt Ion:119 Resp: 753850

Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.6

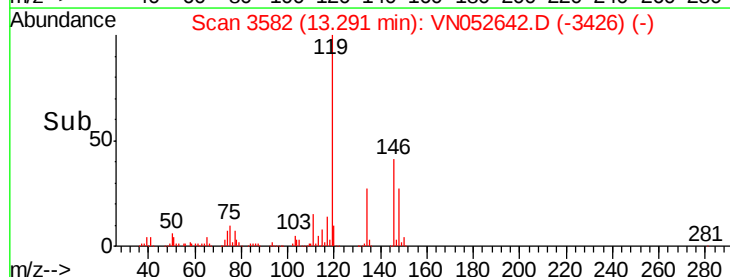
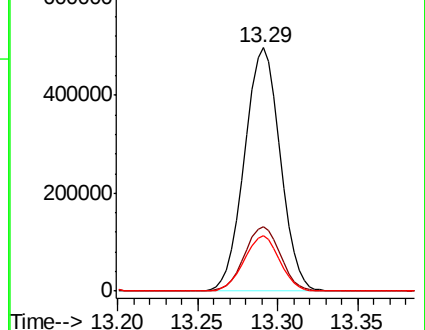
91 22.5 0.0 46.2

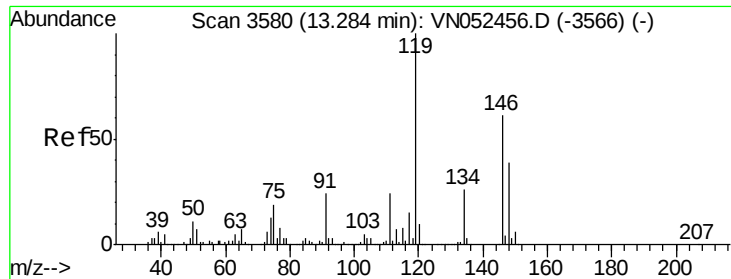


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

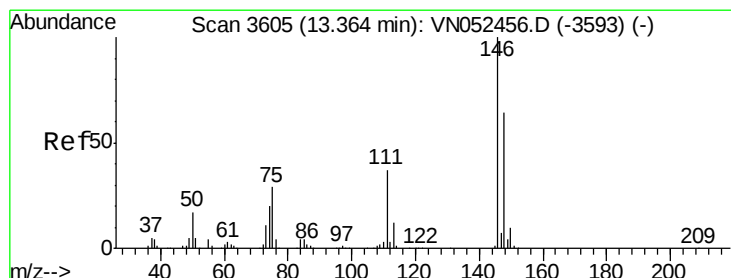
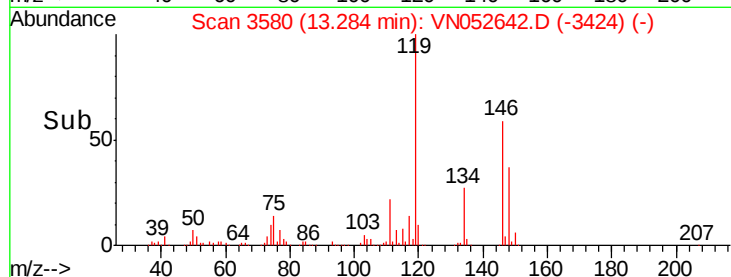
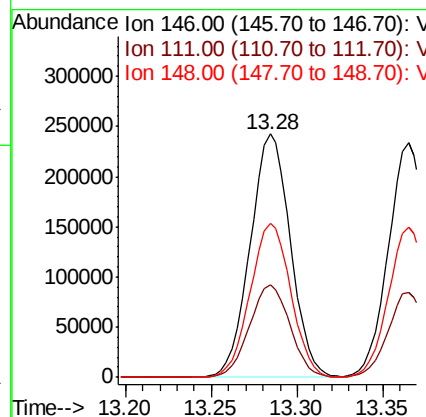
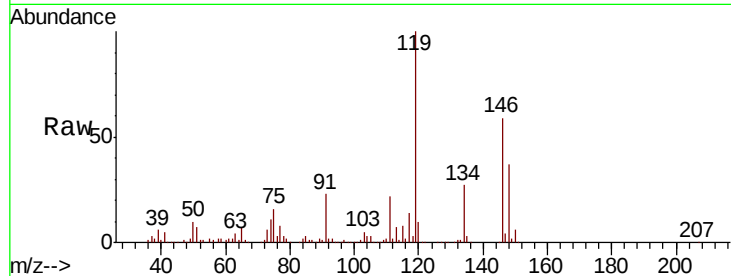




#83
 1,3-Dichlorobenzene
 Concen: 20.122 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

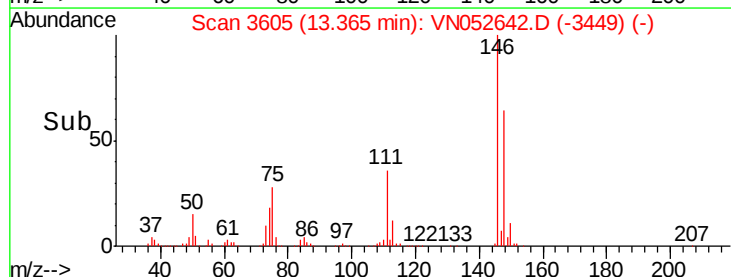
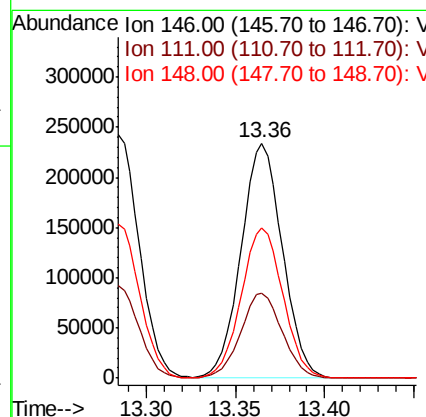
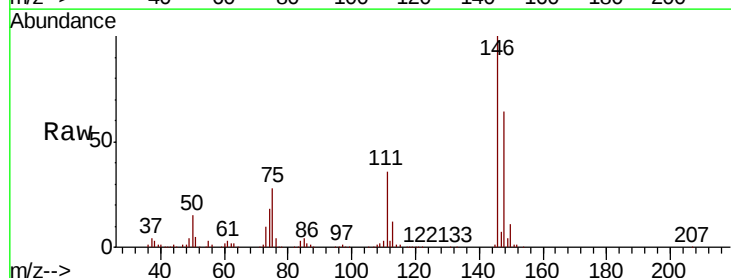
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

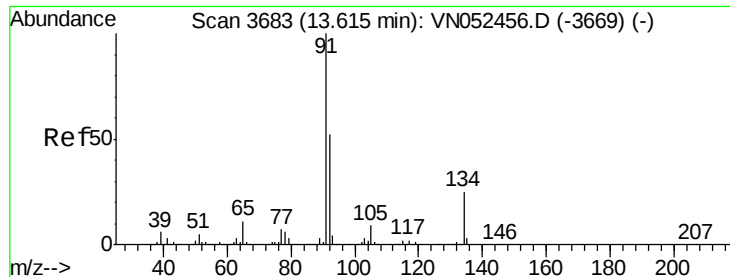
Tot Ion:146 Resp: 393969
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.7 59.0
 148 64.1 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 20.046 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion:146 Resp: 379188
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.8 56.3
 148 64.5 32.5 97.4

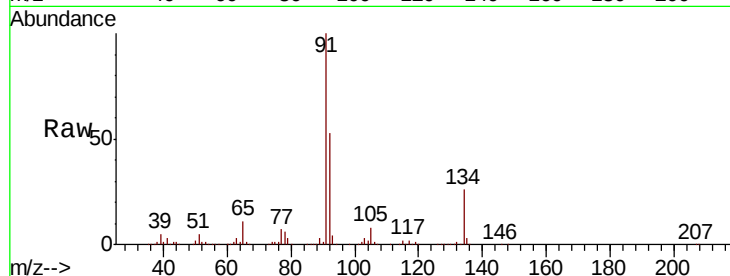




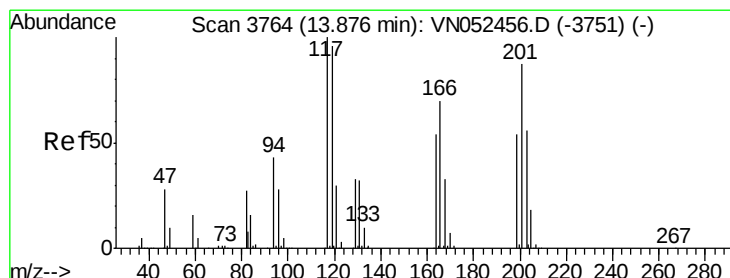
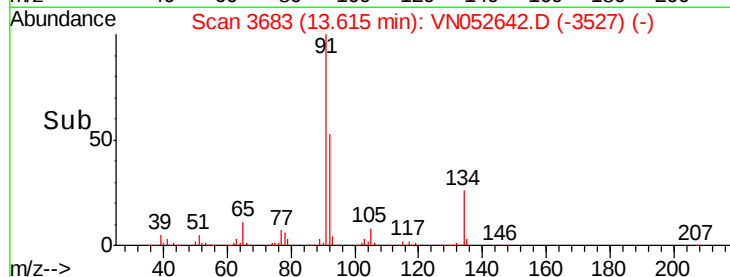
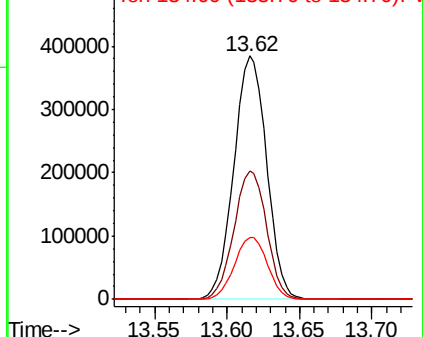
#85
n-Butylbenzene
Concen: 18.289 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 91 Resp: 603277
Ion Ratio Lower Upper
91 100
92 52.4 0.0 104.2
134 25.9 0.0 50.6

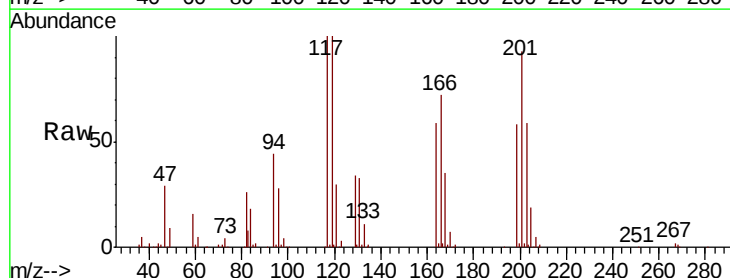


Abundance Ion 91.00 (90.70 to 91.70): VN052642.D (-3669) (-)
Ion 92.00 (91.70 to 92.70): VN052642.D (-3669) (-)
Ion 134.00 (133.70 to 134.70): VN052642.D (-3669) (-)

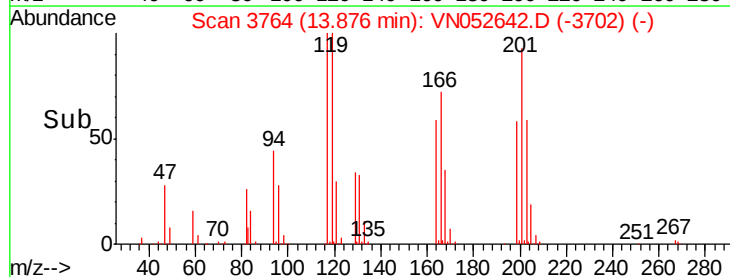
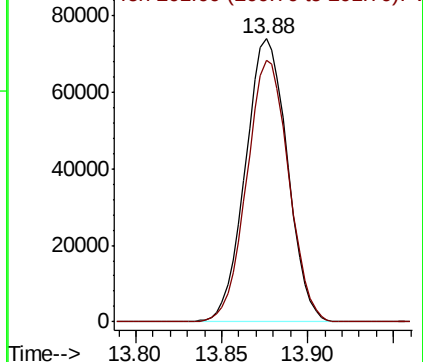


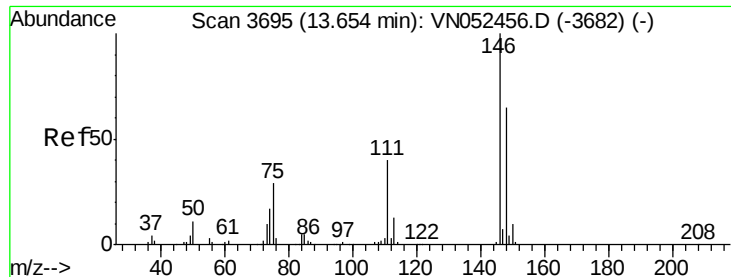
#86
Hexachloroethane
Concen: 19.293 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion: 117 Resp: 125529
Ion Ratio Lower Upper
117 100
201 92.0 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052642.D (-3751) (-)
Ion 201.00 (200.70 to 201.70): VN052642.D (-3751) (-)

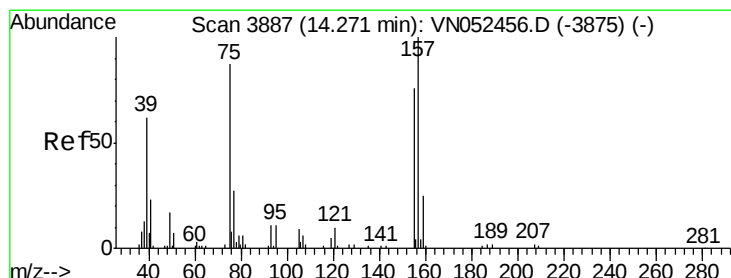
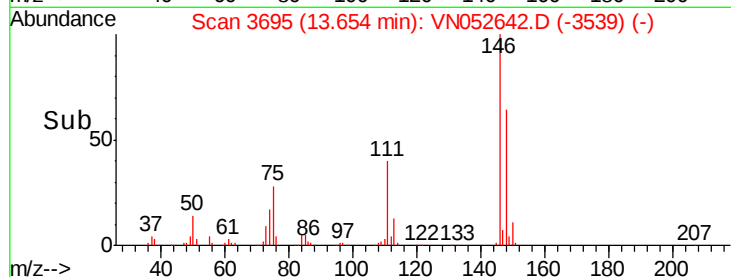
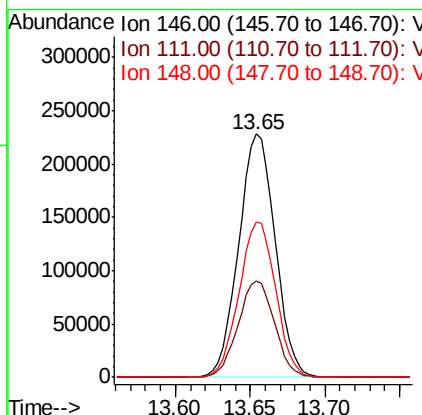
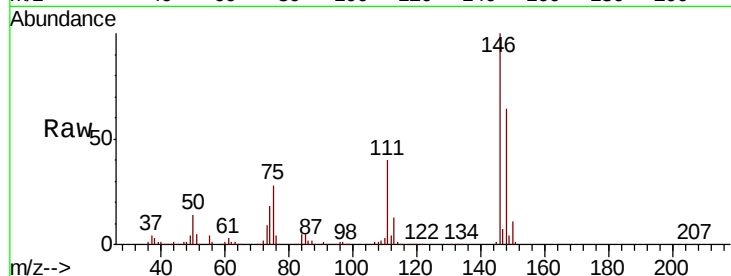




#87
 1,2-Dichlorobenzene
 Concen: 20.827 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

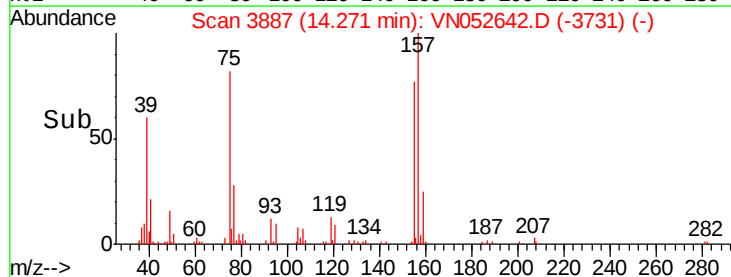
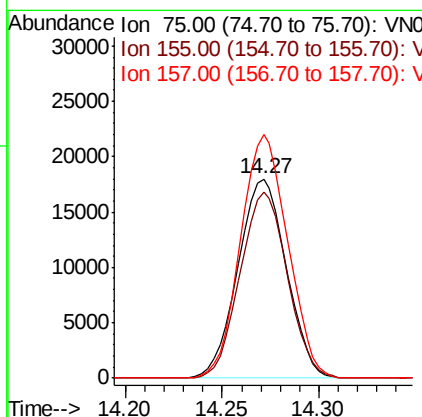
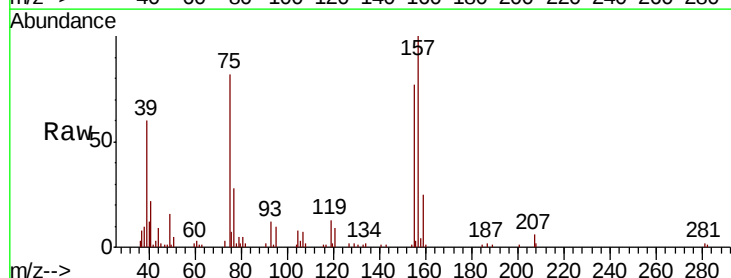
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

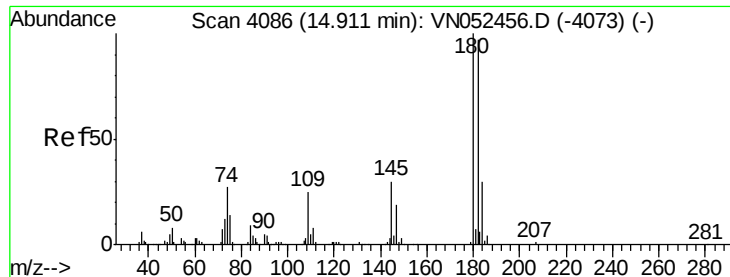
Tot Ion:146 Resp: 388040
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.3 60.8
 148 64.0 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.307 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion: 75 Resp: 31286
 Ion Ratio Lower Upper
 75 100
 155 91.0 72.2 108.2
 157 119.3 94.2 141.2

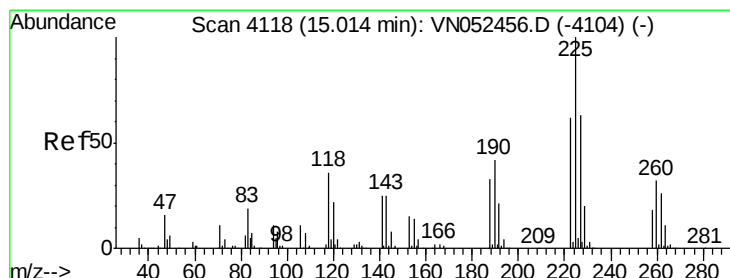
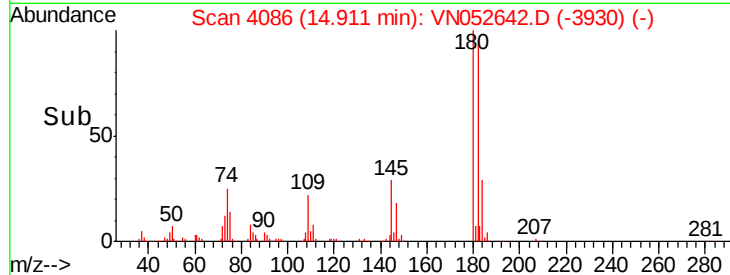
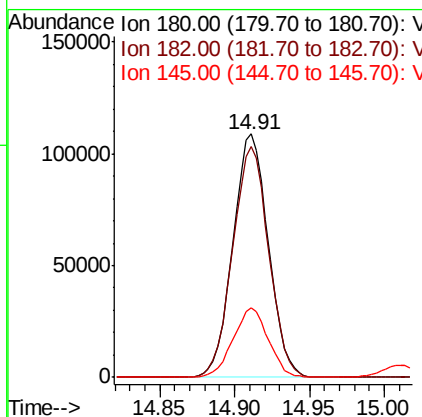
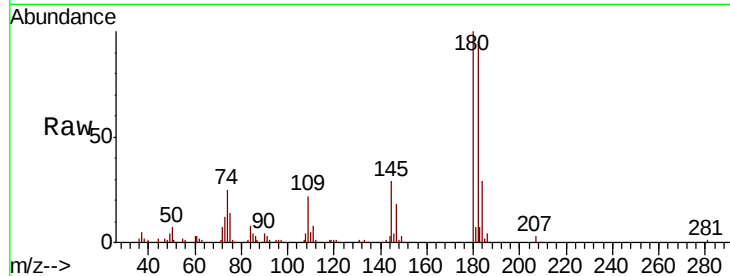




#89
 1,2,4-Trichlorobenzene
 Concen: 19.593 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

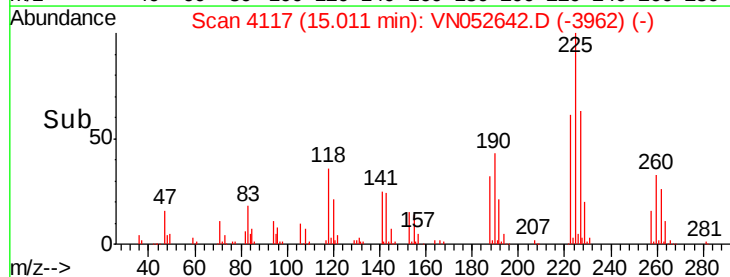
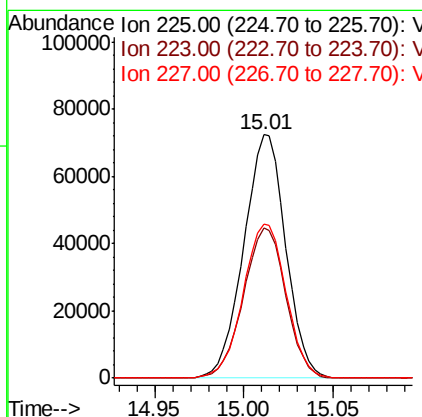
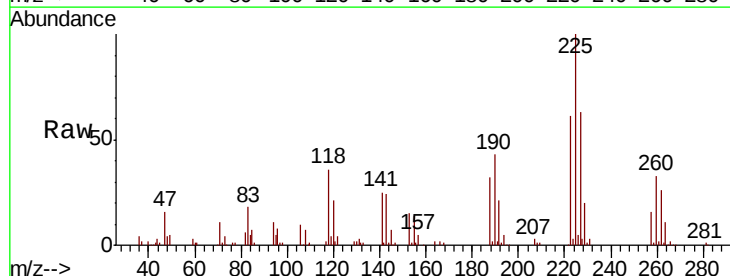
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

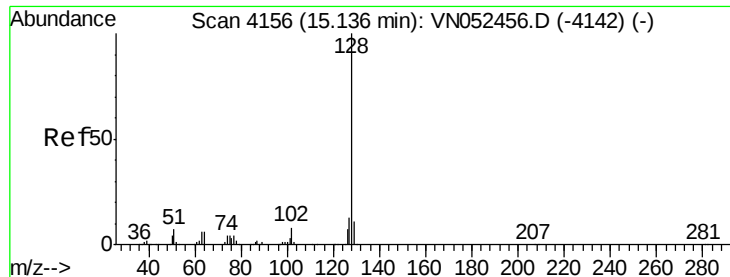
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.6	114.8
145	28.2	23.6	35.4



#90
 Hexachlorobutadiene
 Concen: 19.740 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	125.6
227	64.7	0.0	127.8

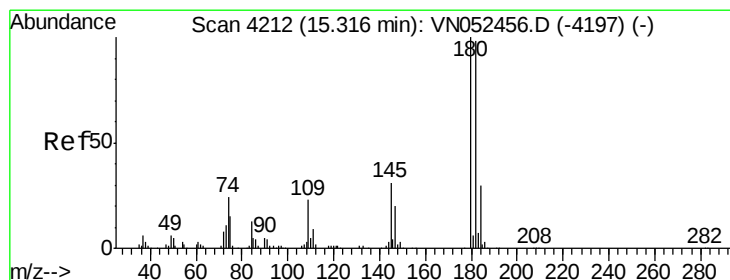
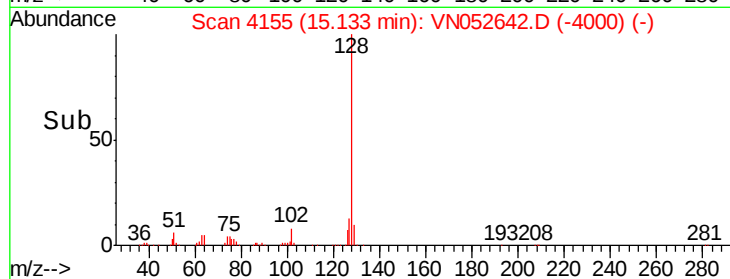
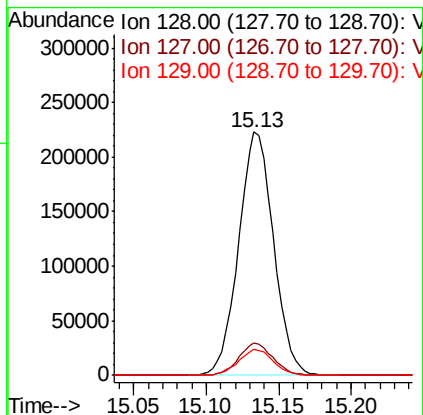
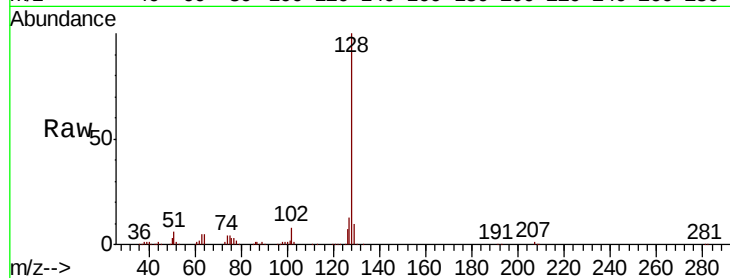




#91
Naphthalene
Concen: 20.162 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 373737
Ion Ratio Lower Upper
128 100
127 13.0 9.9 14.9
129 10.5 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 20.549 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion:180 Resp: 173829
Ion Ratio Lower Upper
180 100
182 95.7 0.0 196.2
145 29.9 0.0 62.2

