

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112718\
 Data File : VN052504.D
 Acq On : 28 Nov 2018 3:25
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Nov 28 06:20:49 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	173294	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	996037	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	871146	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	351377	29.76	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.20%
60) 4-Bromofluorobenzene	12.40	95	396270	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	10.09	98	1215235	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	189190	19.169 ug/l	99
3) Chloromethane	2.06	50	258939	19.782 ug/l	100
4) Vinyl Chloride	2.19	62	267559	20.253 ug/l	100
5) Bromomethane	2.58	94	150310	19.954 ug/l	97
6) Chloroethane	2.71	64	159046	20.244 ug/l	97
7) Trichlorofluoromethane	3.02	101	322047	19.752 ug/l	100
8) Diethyl Ether	3.41	74	122538	20.354 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	198889	19.243 ug/l	97
10) 1,1-Dichloroethene	3.74	96	194698	20.035 ug/l	98
11) Methyl Iodide	3.96	142	266841	19.777 ug/l	98
12) Methyl Acetate	4.33	43	165276	20.017 ug/l	98
13) Acrolein	3.61	56	90310	93.111 ug/l	99
14) Acrylonitrile	4.99	53	352842	100.292 ug/l	98
15) Acetone	3.82	58	77319	84.861 ug/l	99
16) Carbon Disulfide	4.06	76	567520	18.446 ug/l	100
17) Allyl chloride	4.33	41	327788	19.341 ug/l	98
18) Methylene Chloride	4.55	84	226391	20.120 ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	210395	20.118 ug/l	93
20) Diisopropyl ether	5.95	45	707658	19.869 ug/l	99
21) 1,1-Dichloroethane	5.85	63	405495	19.976 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	241599	20.157 ug/l	97
23) tert-Butyl Alcohol	4.78	59	57813	110.465 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	532193	20.875 ug/l	98
25) Chloroform	7.37	83	404909	20.676 ug/l	98
26) Cyclohexane	7.65	56	363267	18.974 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	300100	19.730 ug/l	99
30) 2-Butanone	6.84	43	392294	96.385 ug/l	100
31) 2,2-Dichloropropane	6.83	77	231160	16.508 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	318674	20.135 ug/l	99
33) Carbon Tetrachloride	7.78	117	276816	19.989 ug/l	99
34) Benzene	8.04	78	926883	20.268 ug/l	98
35) Methacrylonitrile	7.18	41	109168	21.619 ug/l	89
36) 1,2-Dichloroethane	8.12	62	285070	20.571 ug/l	100
37) Trichloroethene	8.83	130	232756	20.072 ug/l	97
38) Methylcyclohexane	9.08	83	357429	18.983 ug/l	98
39) 1,2-Dichloropropane	9.12	63	243726	19.882 ug/l	99
40) Dibromomethane	9.21	93	139752	21.097 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	292886	20.012	ug/l	97
42) Vinyl Acetate	5.90	43	2158729	98.027	ug/l	99
43) Ethyl Acetate	6.93	43	177521	20.512	ug/l #	70
44) Isopropyl Acetate	8.16	43	316542	20.855	ug/l	96
45) 1,4-Dioxane	9.20	88	37120	447.034	ug/l	93
46) Methyl methacrylate	9.20	41	160324	20.343	ug/l	98
47) n-amyl Acetate	12.07	43	243072	19.314	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	269668	19.003	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	328774	19.016	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	196663	20.944	ug/l	100
51) Ethyl methacrylate	10.43	69	239442	20.303	ug/l	98
52) 1,3-Dichloropropane	10.71	76	340034	20.344	ug/l	100
53) Dibromochloromethane	10.90	129	206563	19.981	ug/l	98
54) 1,2-Dibromoethane	11.01	107	192273	20.955	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	641840	92.975	ug/l	99
56) Bromoform	12.13	173	134838	19.954	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	892724	105.704	ug/l	99
59) 2-Hexanone	10.75	43	572783	99.282	ug/l	99
61) Tetrachloroethene	10.63	164	231741	21.599	ug/l	97
62) Toluene	10.16	91	980629	20.420	ug/l	99
64) Chlorobenzene	11.44	112	596213	20.340	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	208224	20.465	ug/l	98
66) Ethyl Benzene	11.51	91	1044305	20.176	ug/l	99
67) m/p-Xylenes	11.62	106	787738	40.852	ug/l	100
68) o-Xylene	11.95	106	387101	20.683	ug/l	100
69) Styrene	11.96	104	612608	20.279	ug/l	100
70) Isopropylbenzene	12.25	105	1021109	20.505	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	227922	21.041	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	272657	29.321	ug/l	49
73) Bromobenzene	12.53	156	247605	20.559	ug/l	97
74) n-propylbenzene	12.59	91	1144012	19.717	ug/l	99
75) 2-Chlorotoluene	12.68	91	683486	20.295	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	824446	20.498	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	51274	17.455	ug/l	94
78) 4-Chlorotoluene	12.77	91	682036	20.279	ug/l	99
79) tert-butylbenzene	12.99	119	728835	20.807	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	824447	20.485	ug/l	100
81) sec-Butylbenzene	13.17	105	978282	20.051	ug/l	100
82) p-Isopropyltoluene	13.29	119	830155	19.982	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	423693	20.002	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	409451	20.007	ug/l	99
85) n-Butylbenzene	13.62	91	652992	18.298	ug/l	99
86) Hexachloroethane	13.88	117	136762	19.428	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	417768	20.725	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30865	20.341	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	187784	18.909	ug/l	99
90) Hexachlorobutadiene	15.01	225	129674	19.905	ug/l	99
91) Naphthalene	15.13	128	385200	19.207	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	178527	19.507	ug/l	99

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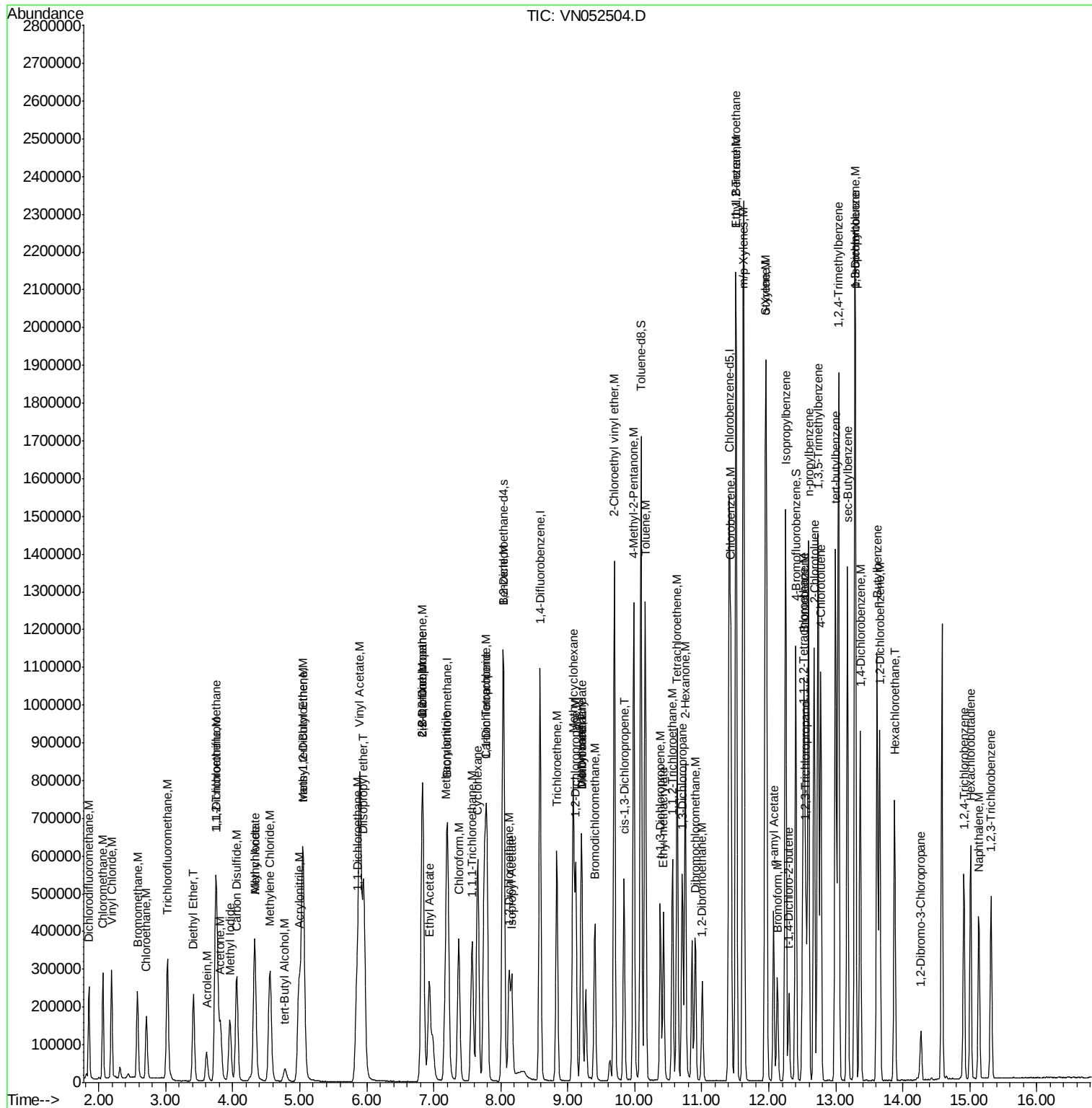
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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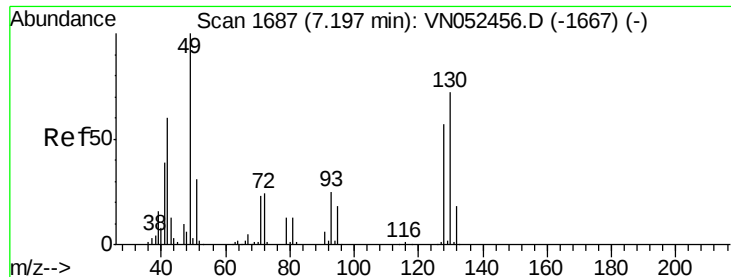
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 28 06:20:49 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: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

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ClientSampleId :

VSTDCCC020EC

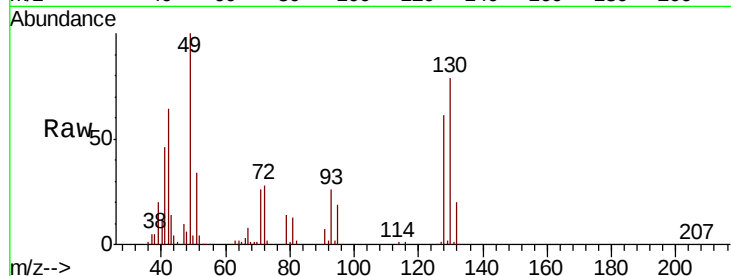
Tot Ion:128 Resp: 173294

Ion Ratio Lower Upper

128 100

49 164.9 0.0 431.8

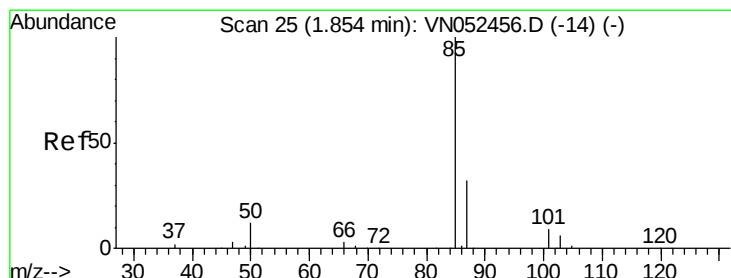
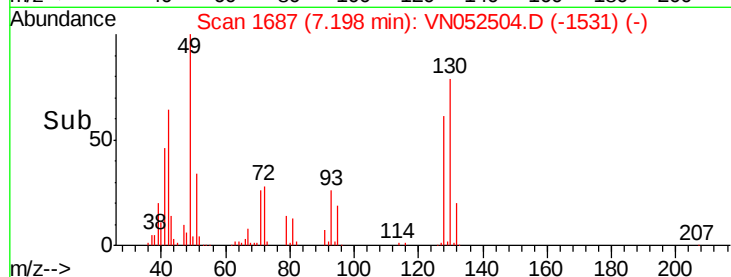
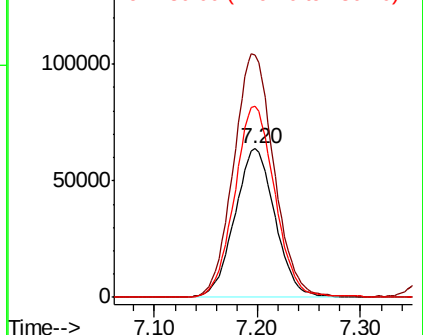
130 128.5 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.169 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052504.D

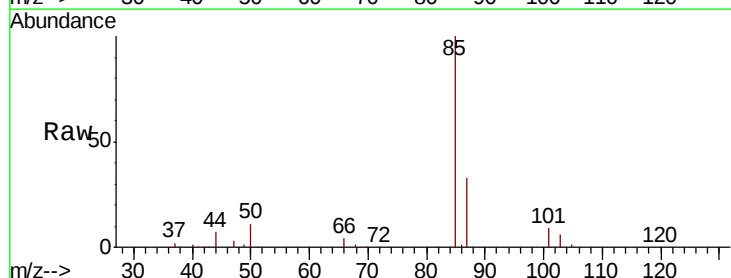
Acq: 28 Nov 2018 3:25

Tgt Ion: 85 Resp: 189190

Ion Ratio Lower Upper

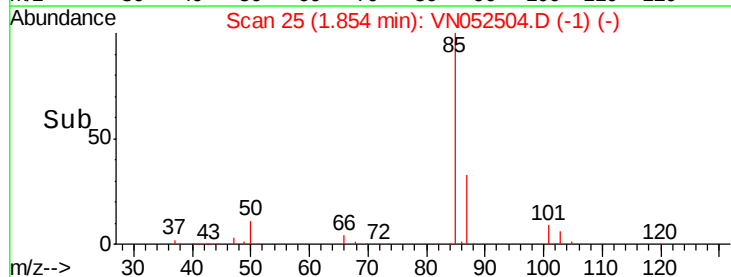
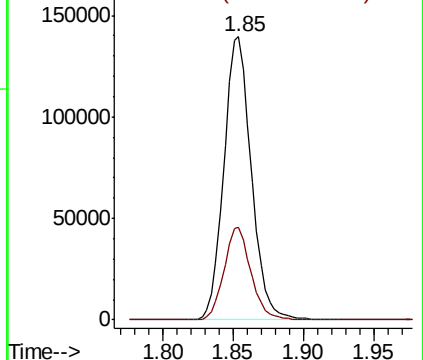
85 100

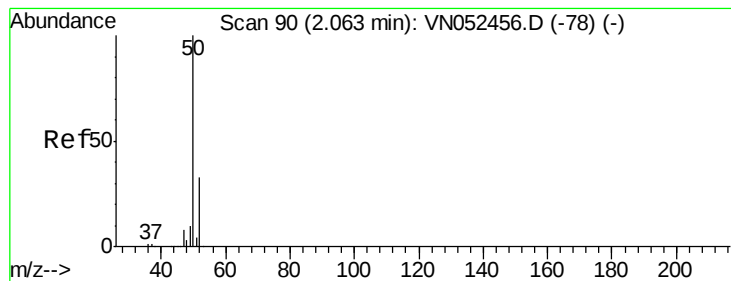
87 32.5 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.782 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

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ClientSampleId :

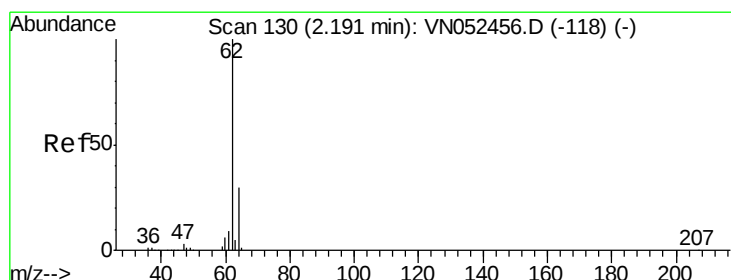
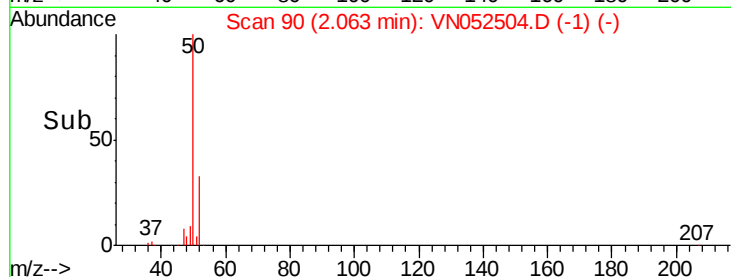
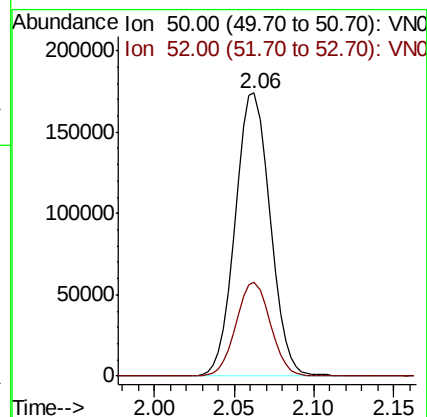
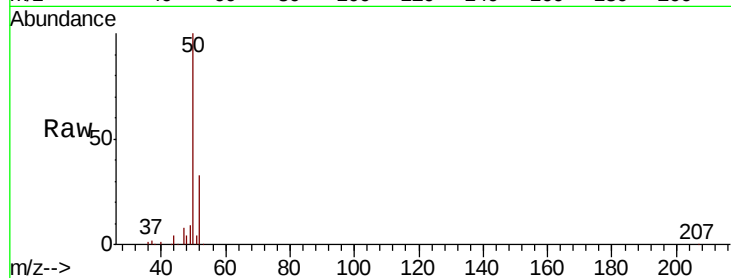
VSTDCCC020EC

Tot Ion: 50 Resp: 258939

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



#4

Vinyl Chloride

Concen: 20.253 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052504.D

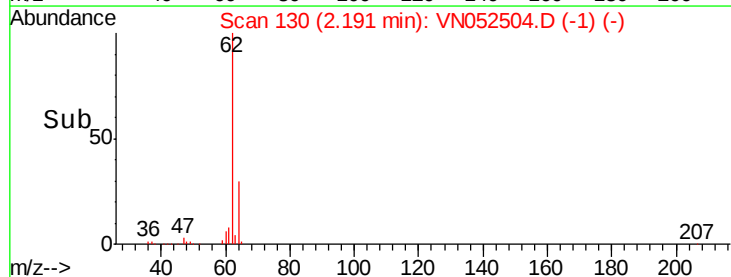
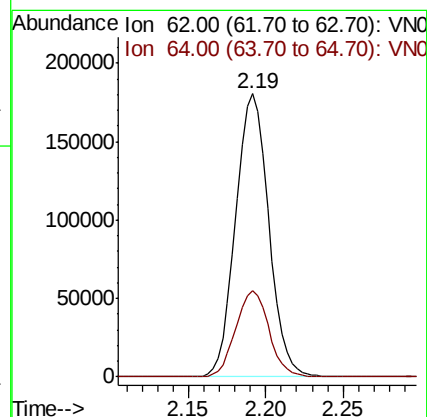
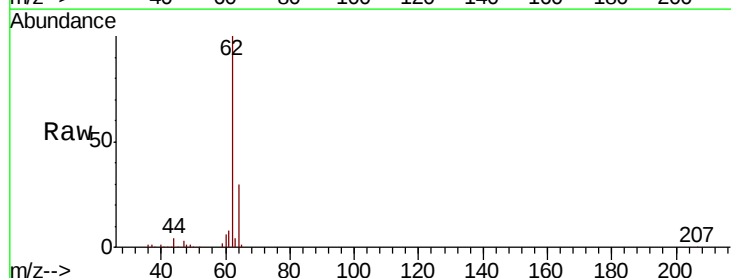
Acq: 28 Nov 2018 3:25

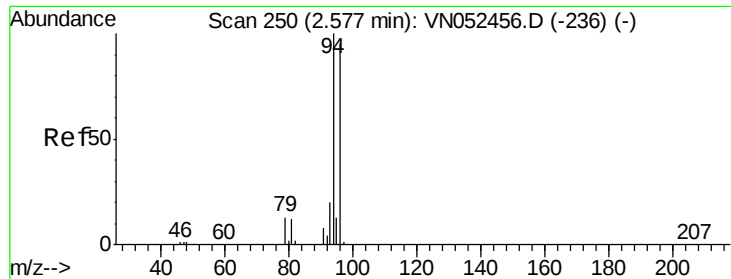
Tgt Ion: 62 Resp: 267559

Ion Ratio Lower Upper

62 100

64 30.3 24.2 36.4





#5

Bromomethane

Concen: 19.954 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

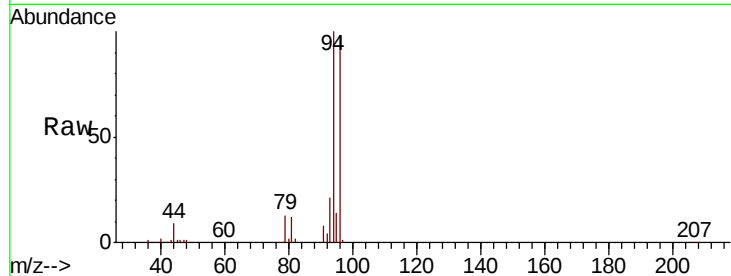
VSTDCCC020EC

Tot Ion: 94 Resp: 150310

Ion Ratio Lower Upper

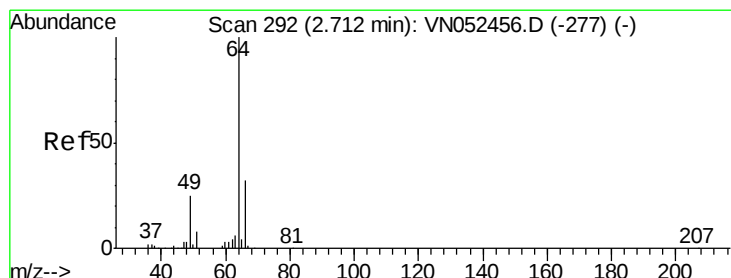
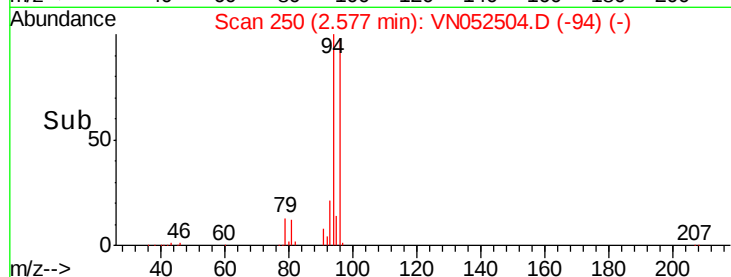
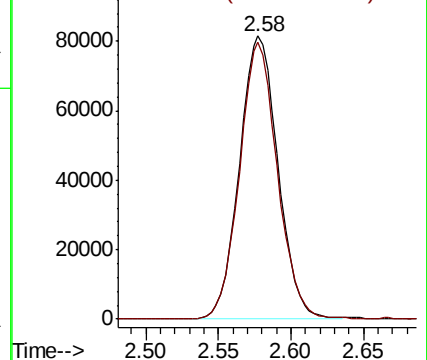
94 100

96 98.1 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.244 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052504.D

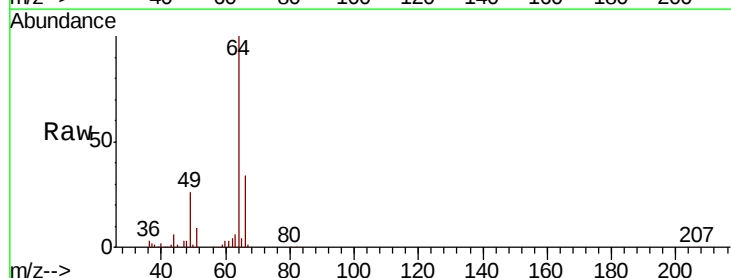
Acq: 28 Nov 2018 3:25

Tgt Ion: 64 Resp: 159046

Ion Ratio Lower Upper

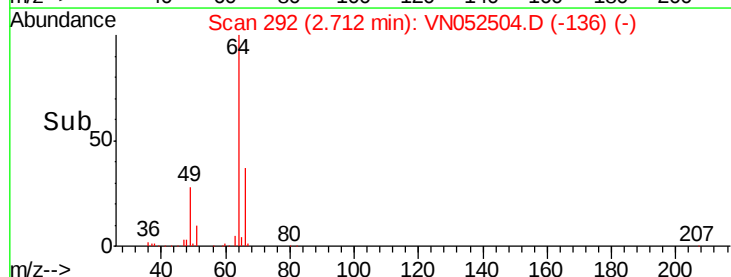
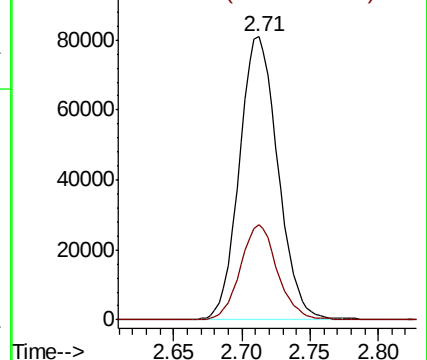
64 100

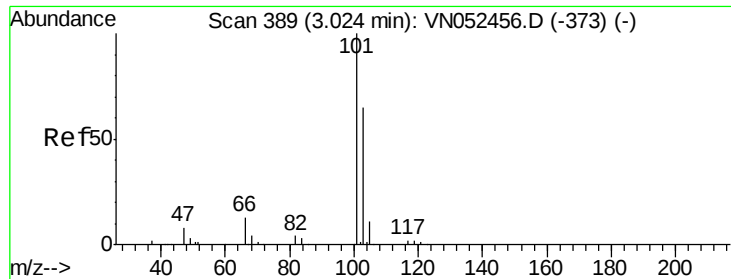
66 33.7 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



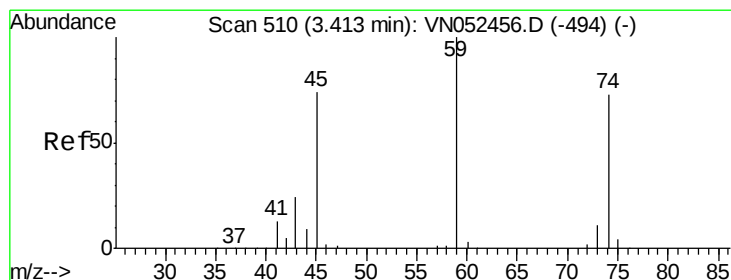
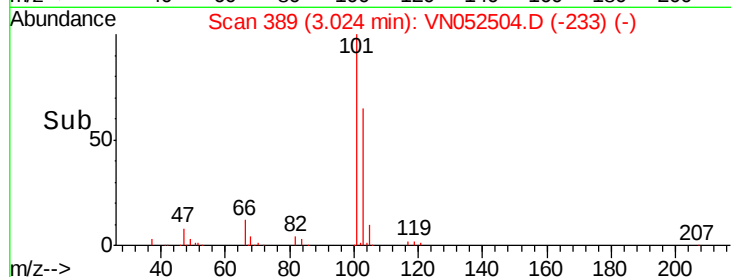
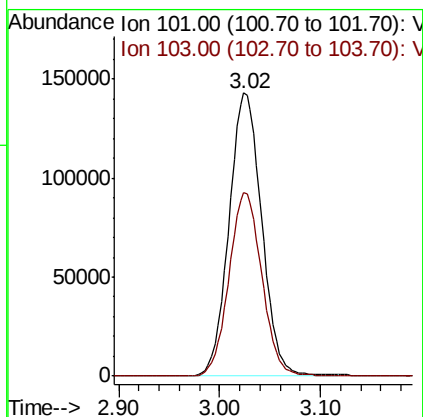
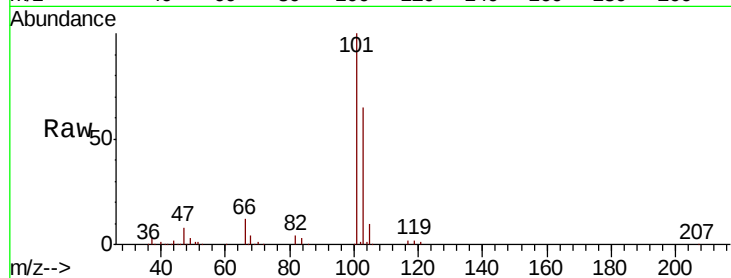


#7

Trichlorofluoromethane
 Concen: 19.752 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Instrument :
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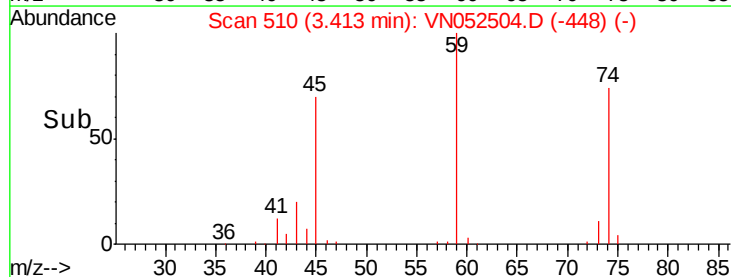
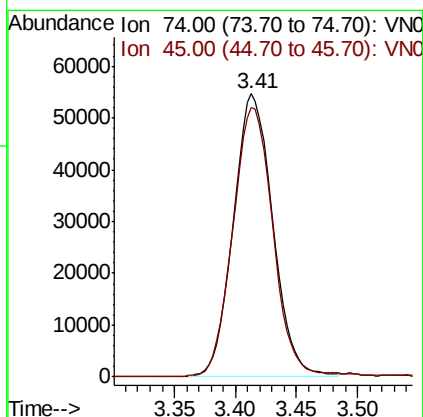
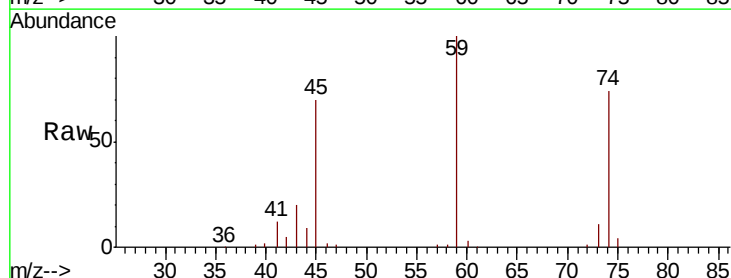
Tot Ion:101 Resp: 322047
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.1 78.1

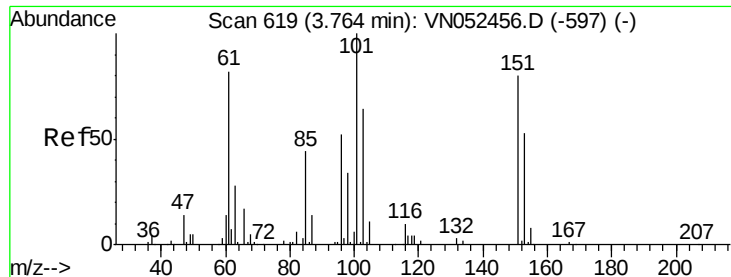


#8

Diethyl Ether
 Concen: 20.354 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion: 74 Resp: 122538
 Ion Ratio Lower Upper
 74 100
 45 95.6 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.243 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

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VSTDCCC020EC

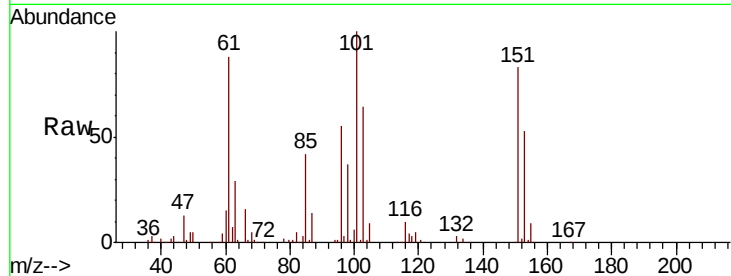
Tot Ion:101 Resp: 198889

Ion Ratio Lower Upper

101 100

85 41.9 0.0 82.6

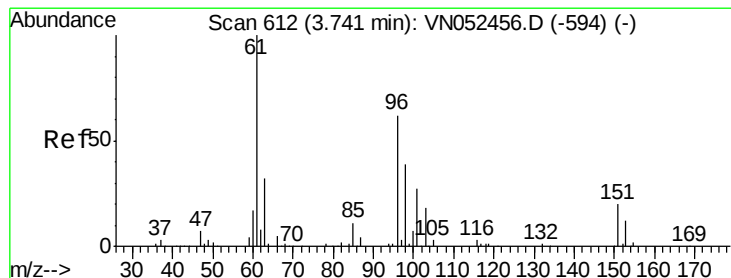
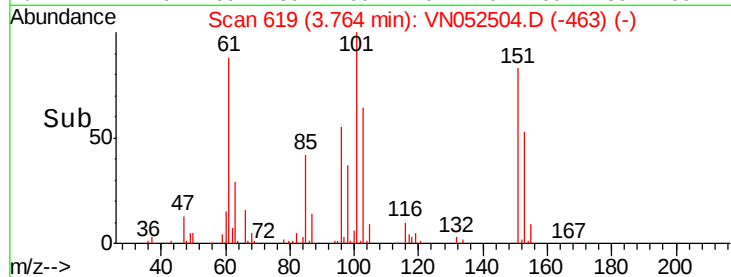
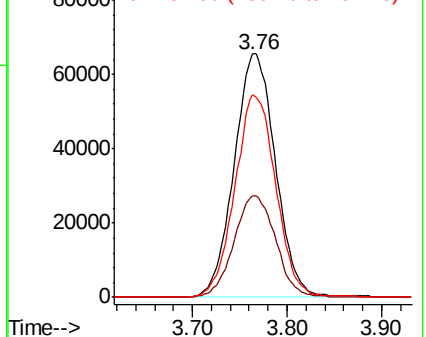
151 82.3 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.035 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

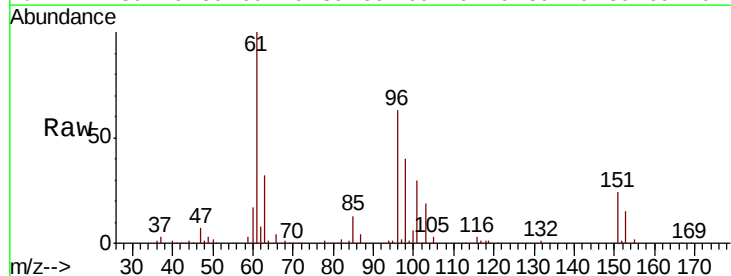
Tgt Ion: 96 Resp: 194698

Ion Ratio Lower Upper

96 100

61 159.2 129.4 194.2

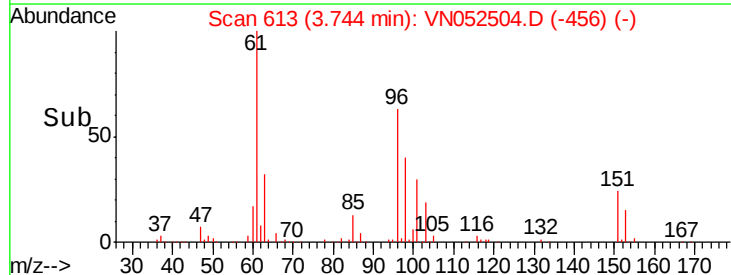
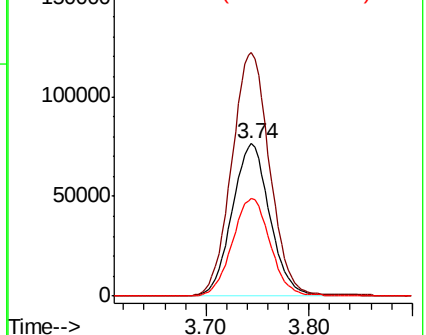
98 63.6 50.4 75.6

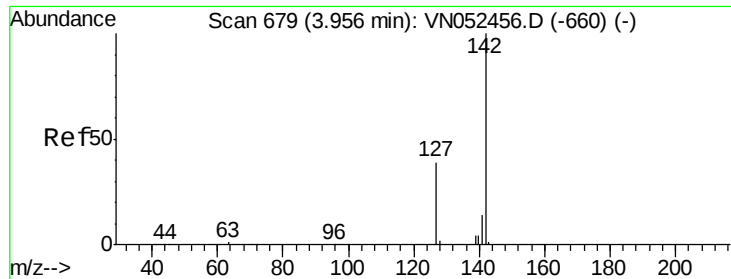


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

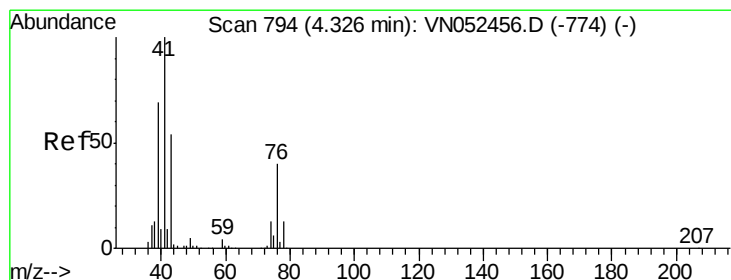
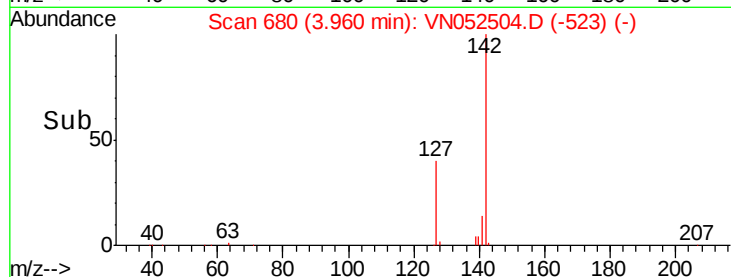
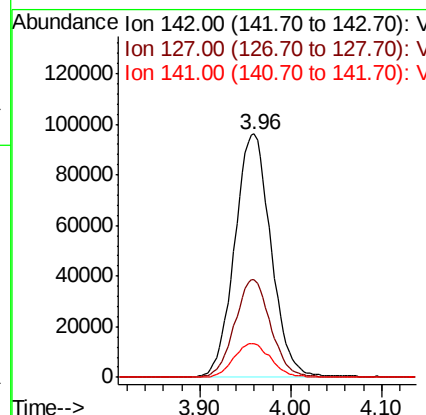
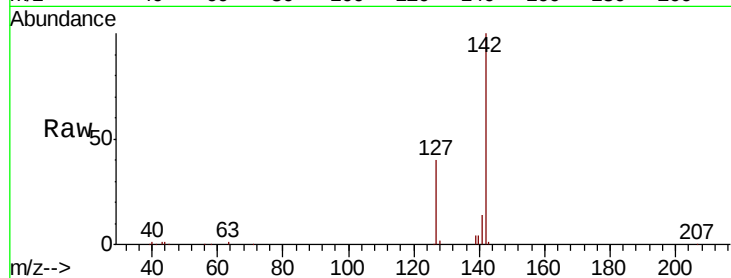




#11
Methvl Iodide
Concen: 19.777 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

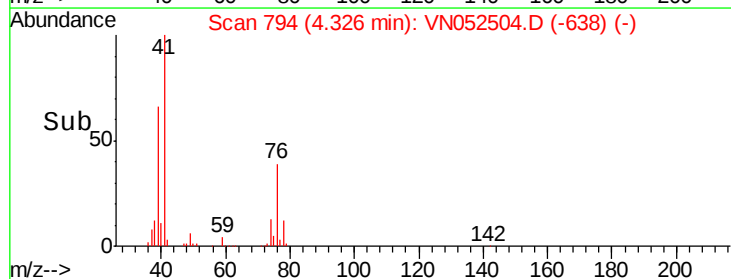
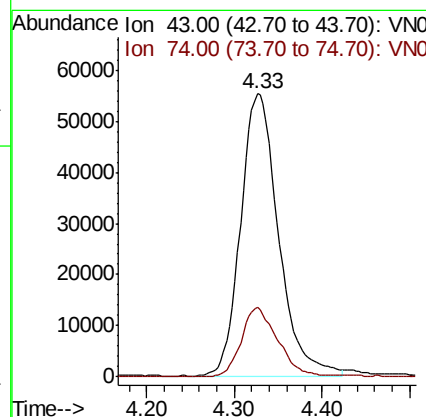
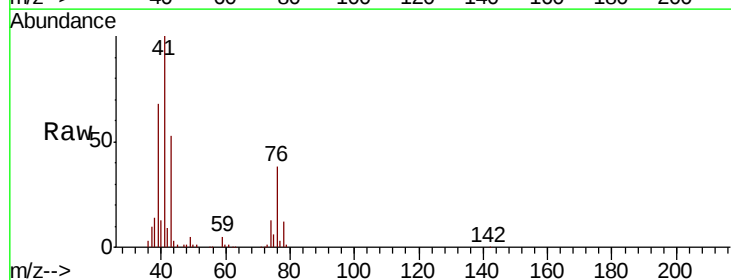
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

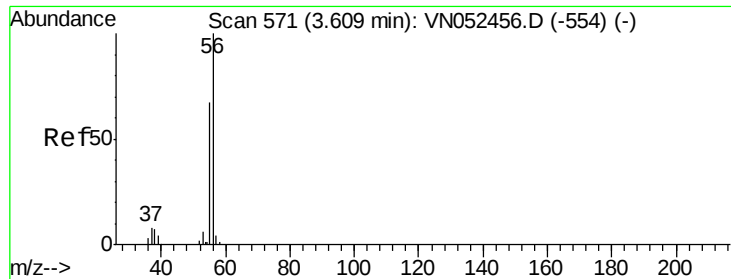
Tot Ion:142 Resp: 266841
Ion Ratio Lower Upper
142 100
127 40.2 19.4 58.1
141 13.8 7.2 21.6



#12
Methyl Acetate
Concen: 20.017 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Tgt Ion: 43 Resp: 165276
Ion Ratio Lower Upper
43 100
74 24.7 18.9 28.3





#13

Acrolein

Concen: 93.111 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

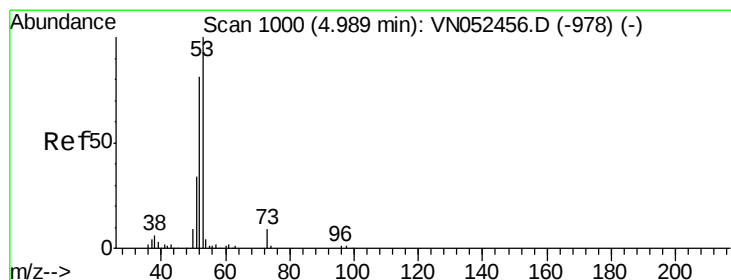
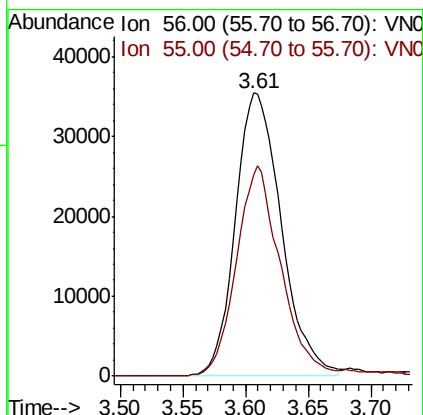
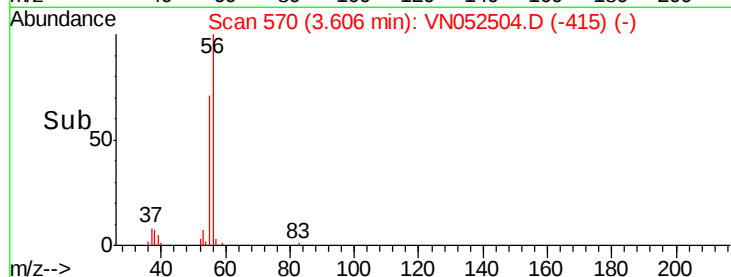
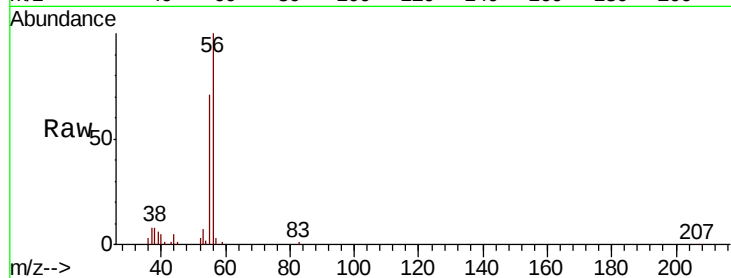
VSTDCCC020EC

Tot Ion: 56 Resp: 90310

Ion Ratio Lower Upper

56 100

55 71.4 56.7 85.1



#14

Acrylonitrile

Concen: 100.292 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

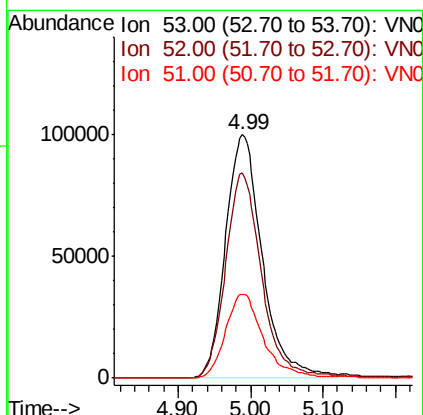
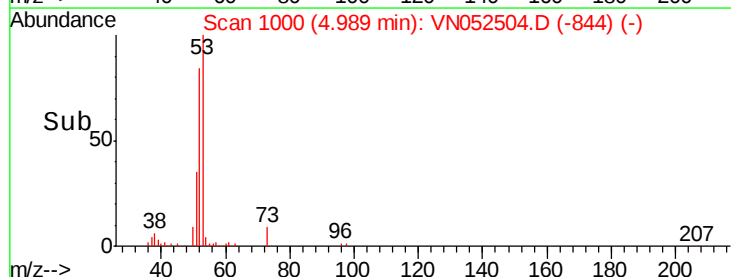
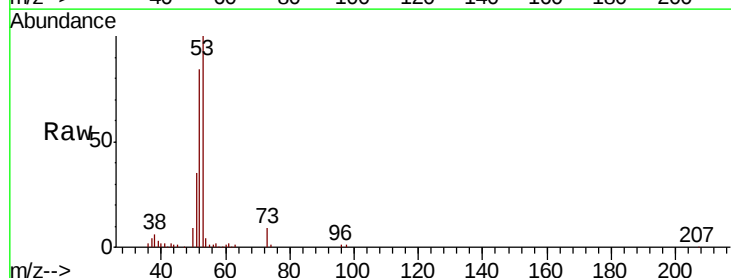
Tgt Ion: 53 Resp: 352842

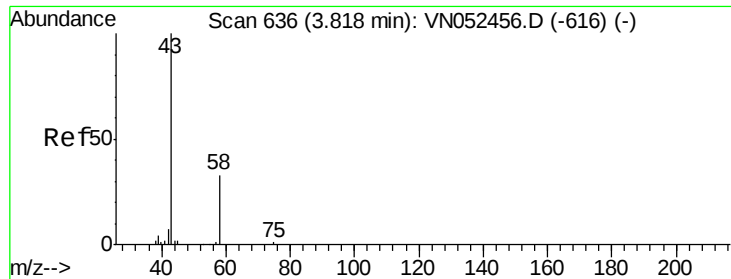
Ion Ratio Lower Upper

53 100

52 81.7 39.9 119.7

51 35.2 17.6 52.9





#15

Acetone

Concen: 84.861 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

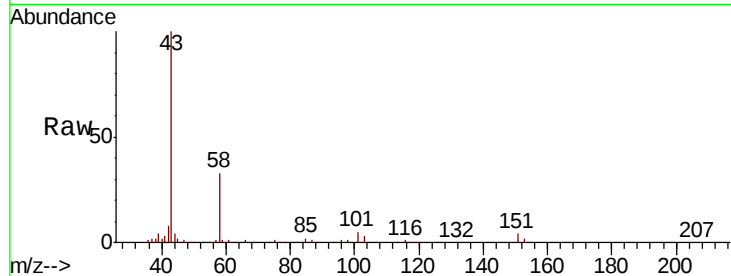
VSTDCCC020EC

Tot Ion: 58 Resp: 77319

Ion Ratio Lower Upper

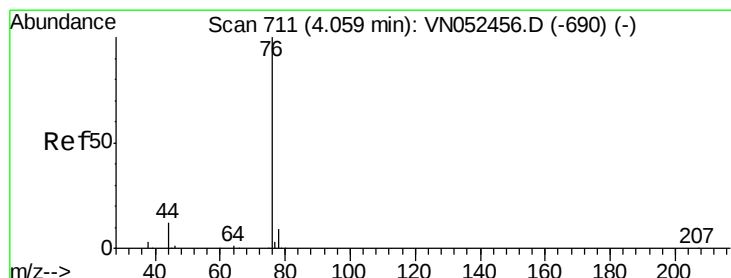
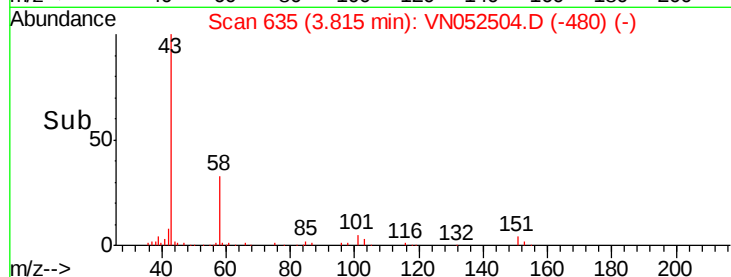
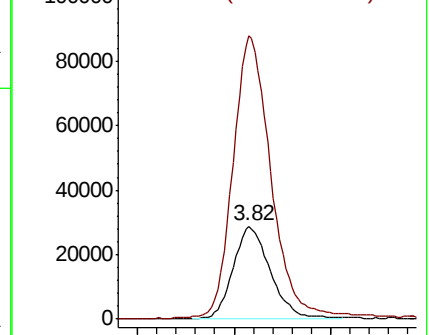
58 100

43 301.7 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052504.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VN052504.D (-616) (-)



#16

Carbon Disulfide

Concen: 18.446 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052504.D

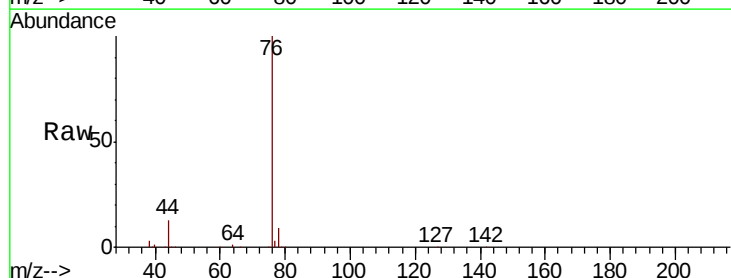
Acq: 28 Nov 2018 3:25

Tgt Ion: 76 Resp: 567520

Ion Ratio Lower Upper

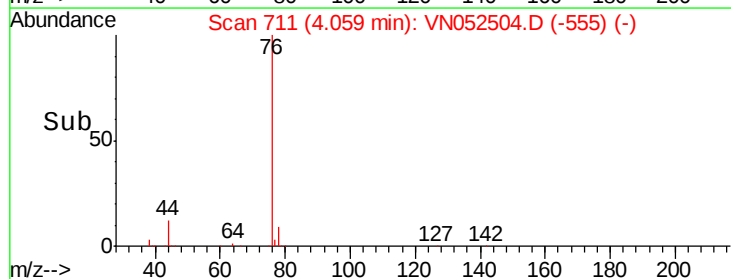
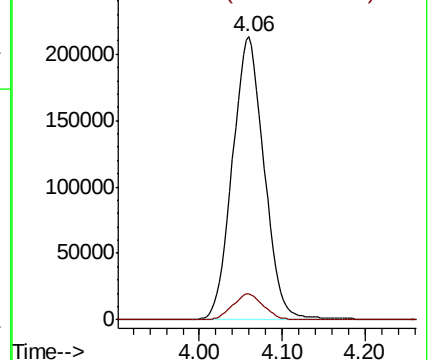
76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052504.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN052504.D (-690) (-)





#17

Allvl chloride

Concen: 19.341 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

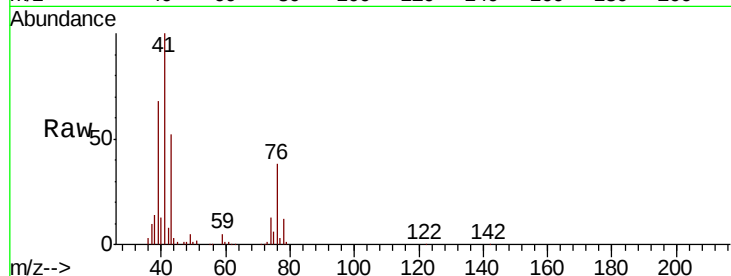
Tot Ion: 41 Resp: 327788

Ion Ratio Lower Upper

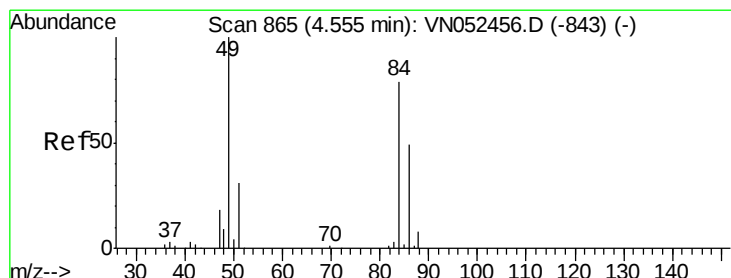
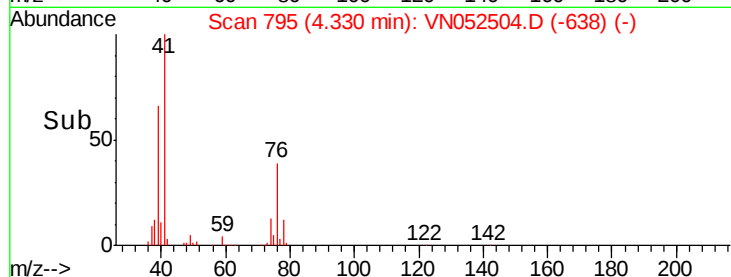
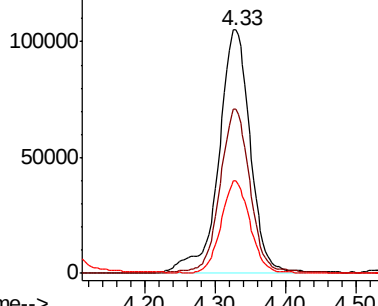
41 100

39 67.7 32.8 98.3

76 38.0 18.6 55.8



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 20.120 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Tgt Ion: 84 Resp: 226391

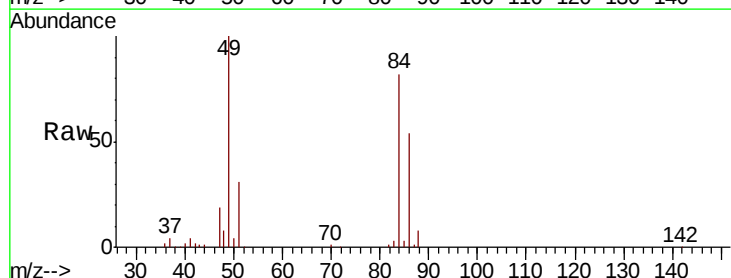
Ion Ratio Lower Upper

84 100

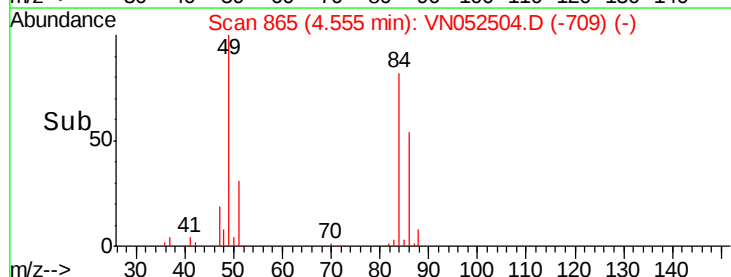
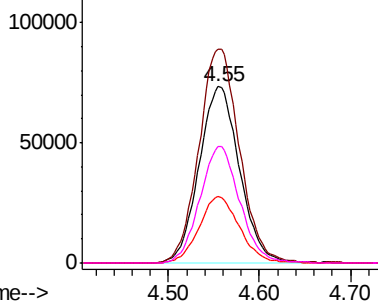
49 120.9 101.4 152.0

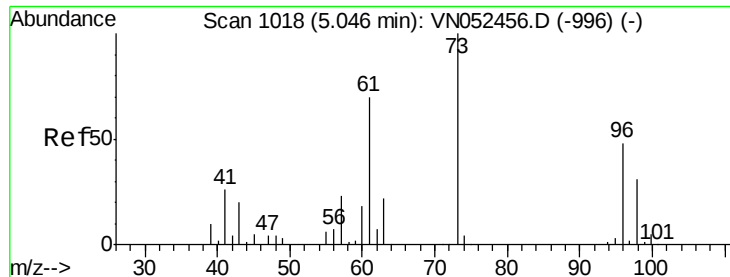
51 37.9 31.7 47.5

86 66.0 50.1 75.1



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

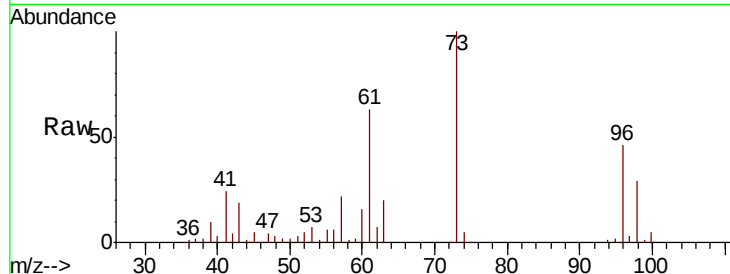




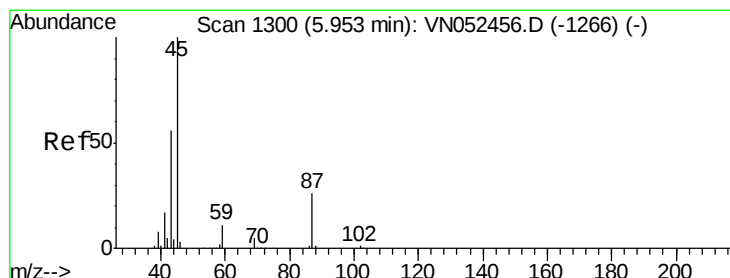
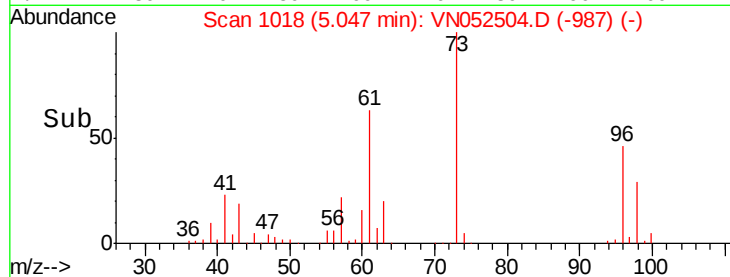
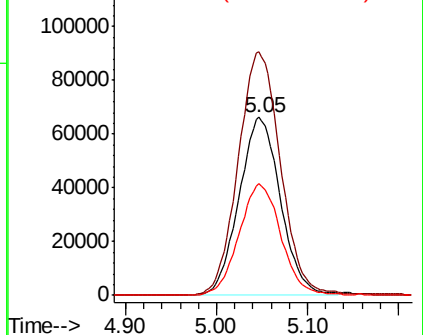
#19
trans-1,2-Dichloroethene
Concen: 20.118 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 210395
Ion Ratio Lower Upper
96 100
61 136.7 118.2 177.4
98 62.8 51.4 77.2



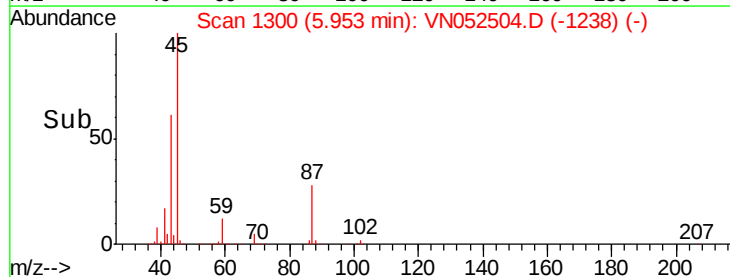
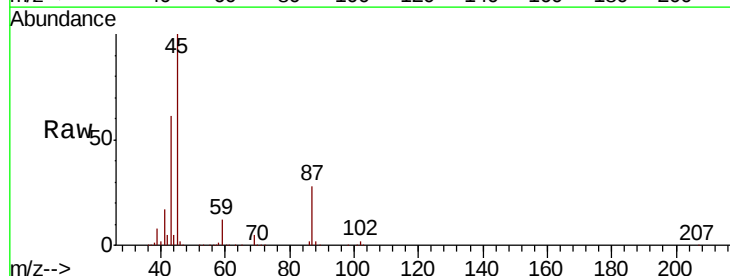
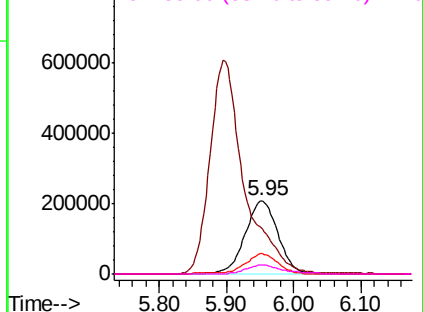
Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

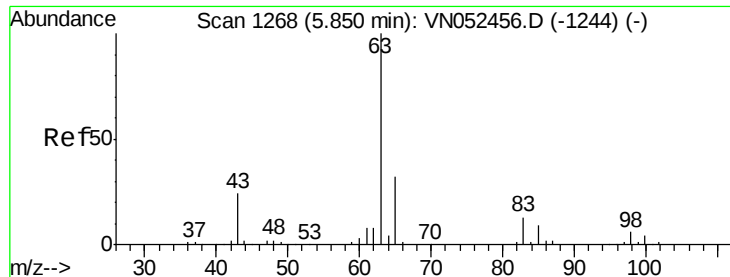


#20
Diisopropyl ether
Concen: 19.869 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Tgt Ion: 45 Resp: 707658
Ion Ratio Lower Upper
45 100
43 59.9 47.8 71.8
87 27.7 21.3 31.9
59 12.1 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

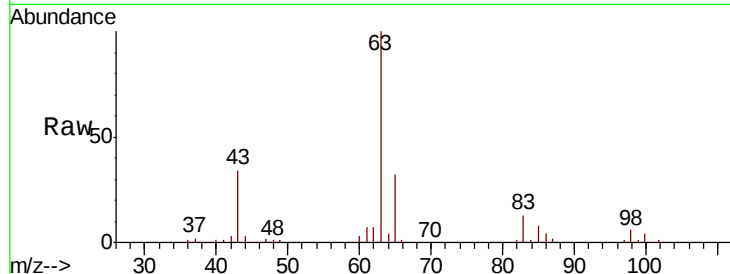




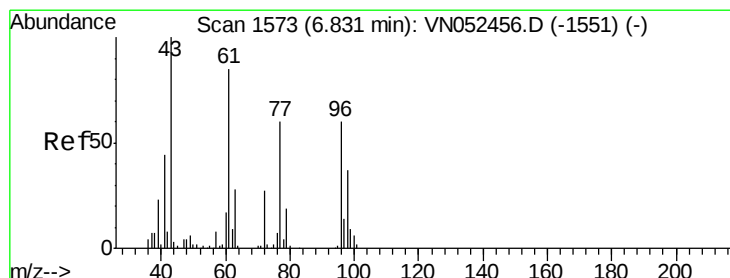
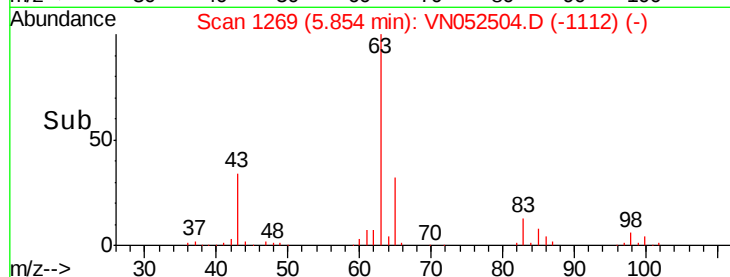
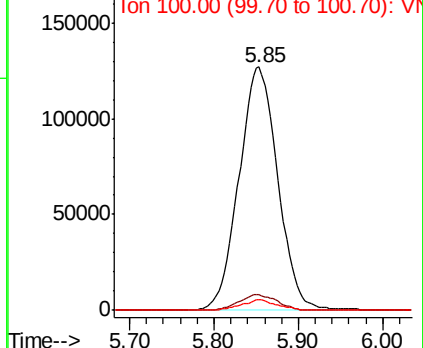
#21
 1,1-Dichloroethane
 Concen: 19.976 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.0	9.2
100	4.4	1.8	5.5

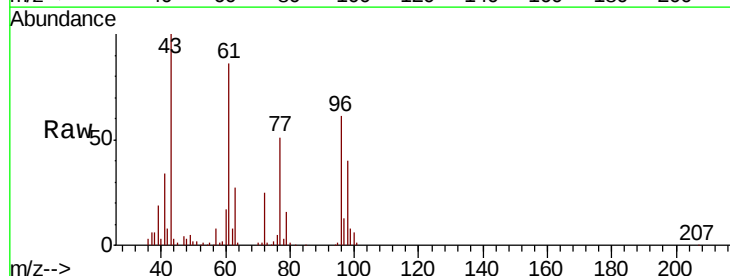


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

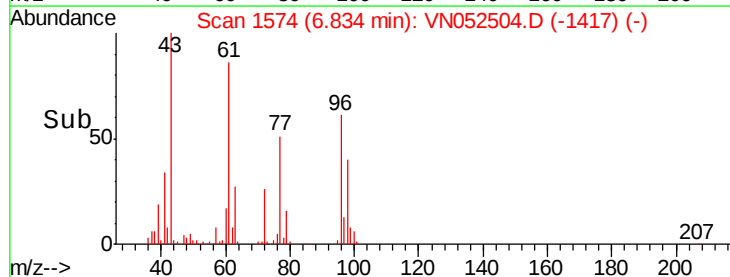
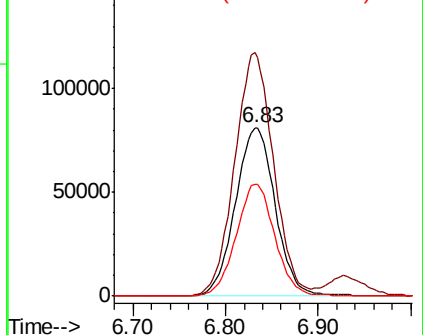


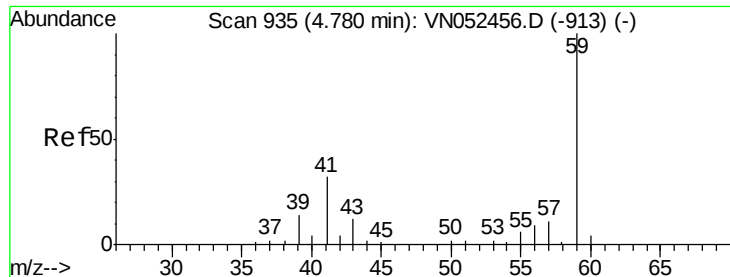
#22
 cis-1,2-Dichloroethene
 Concen: 20.157 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.8	116.7	175.1
98	64.8	50.8	76.2



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





#23

tert-Butyl Alcohol

Concen: 110.465 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

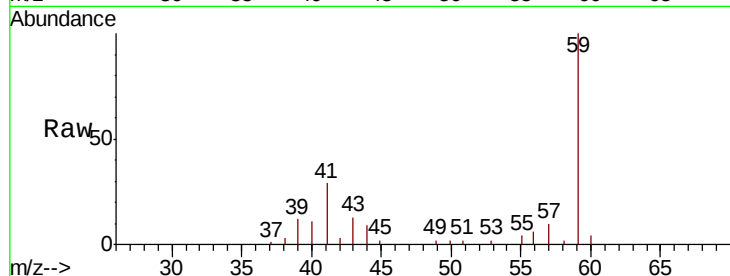
VSTDCCC020EC

Tot Ion: 59 Resp: 57813

Ion Ratio Lower Upper

59 100

52 0.1 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

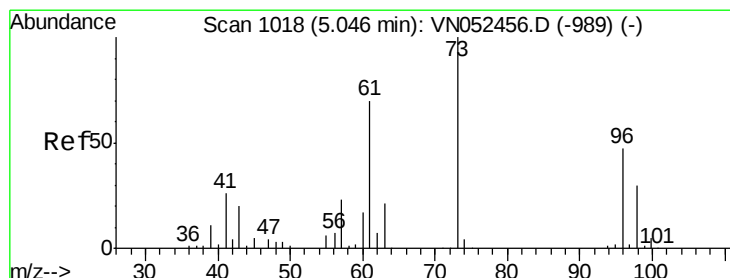
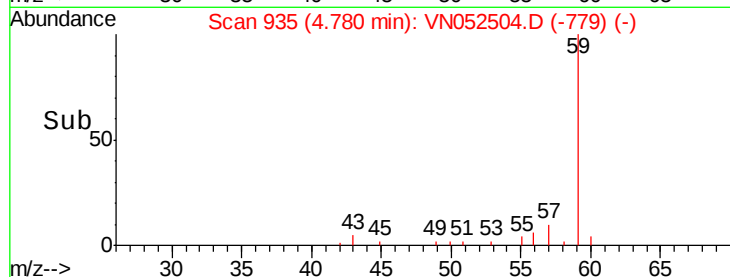
10000

5000

0

Time-->

4.70 4.80



#24

Methyl tert-Butyl Ether

Concen: 20.875 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052504.D

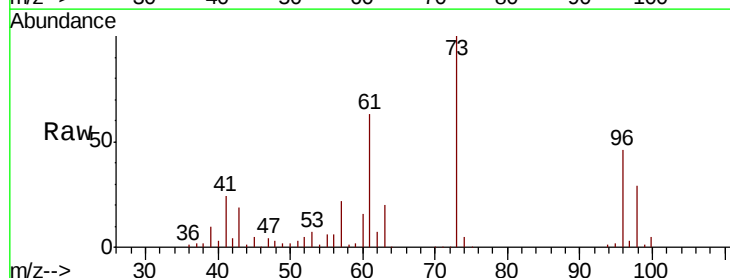
Acq: 28 Nov 2018 3:25

Tgt Ion: 73 Resp: 532193

Ion Ratio Lower Upper

73 100

43 19.0 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) (-)

5.05

150000

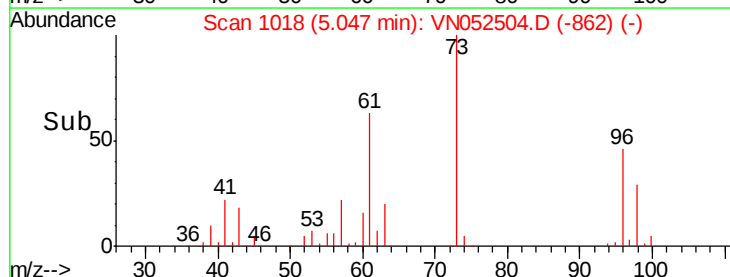
100000

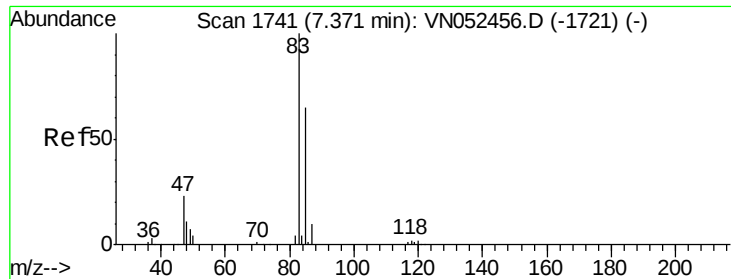
50000

0

Time-->

4.90 5.00 5.10 5.20

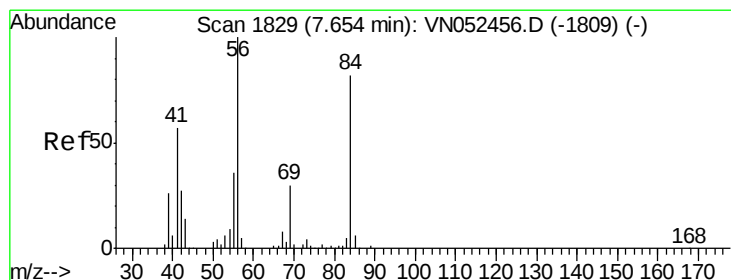
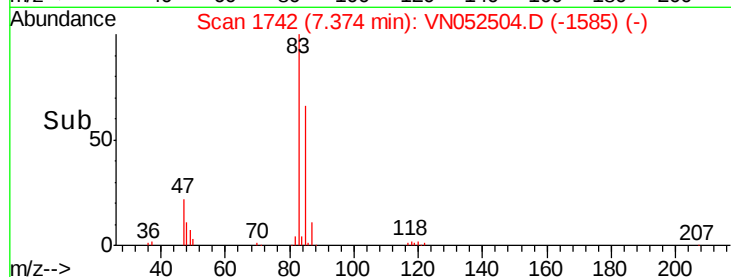
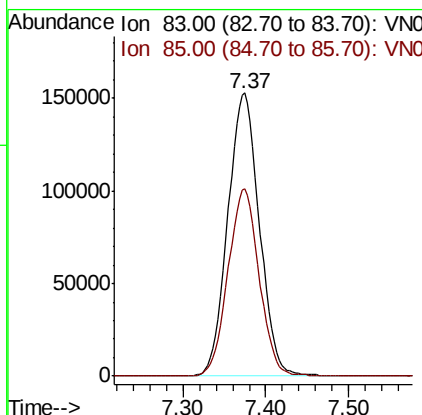
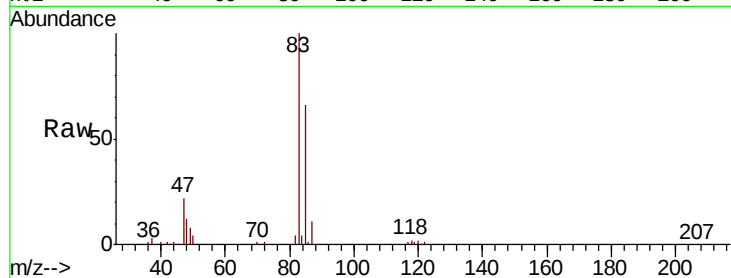




#25
Chloroform
Concen: 20.676 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

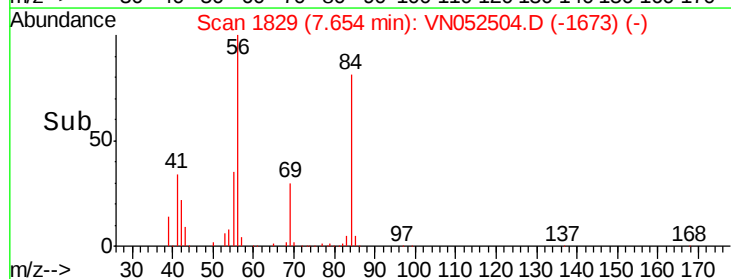
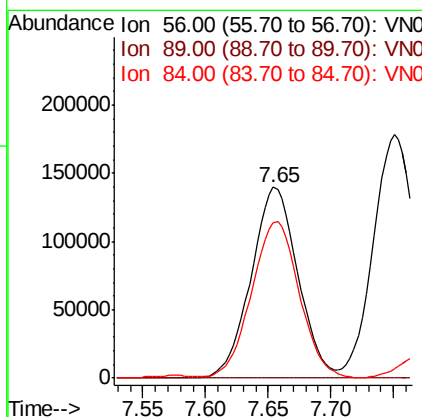
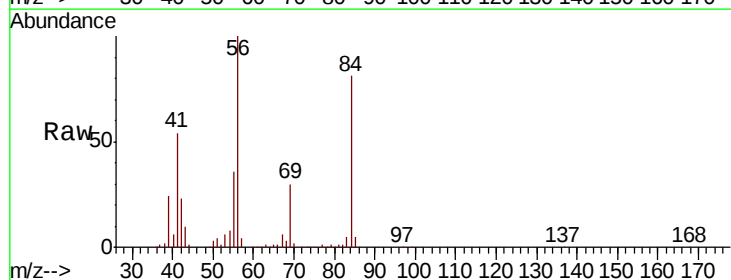
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

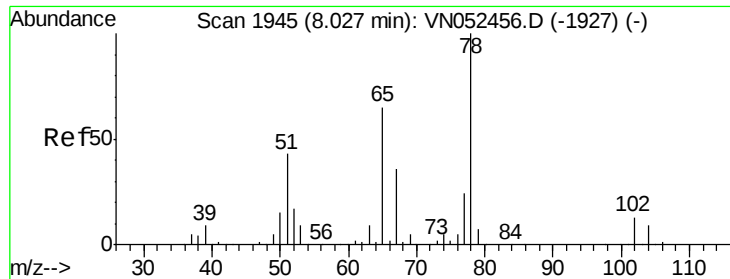
Tot Ion: 83 Resp: 404909
Ion Ratio Lower Upper
83 100
85 66.2 51.7 77.5



#26
Cyclohexane
Concen: 18.974 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Tgt Ion: 56 Resp: 363267
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 83.9 66.2 99.2

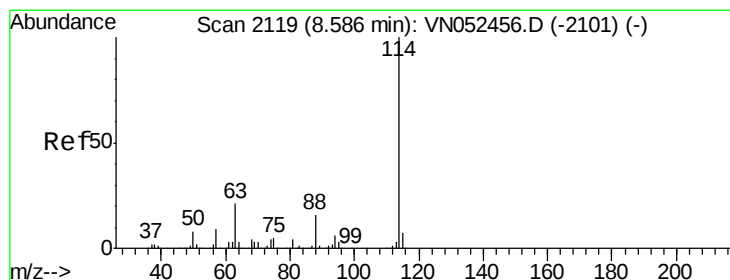
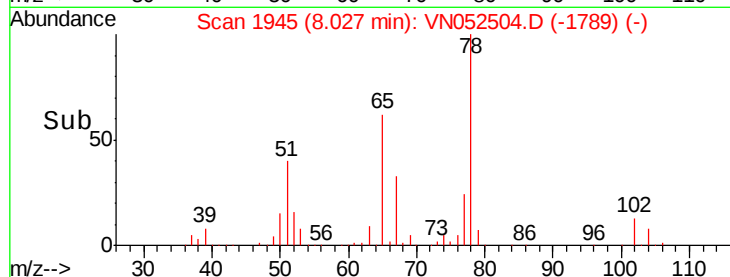
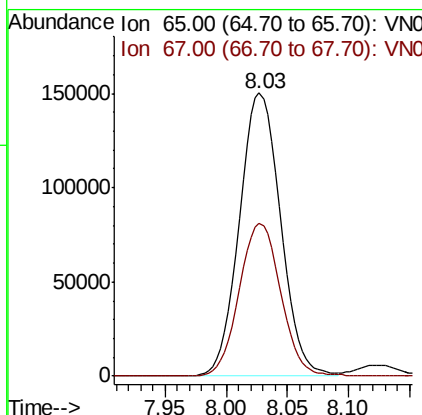
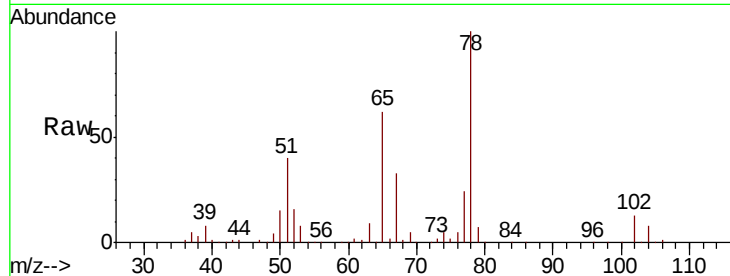




#27
 1,2-Dichloroethane-d4
 Concen: 18.974 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

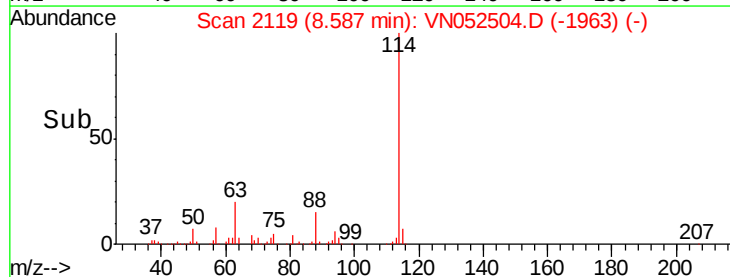
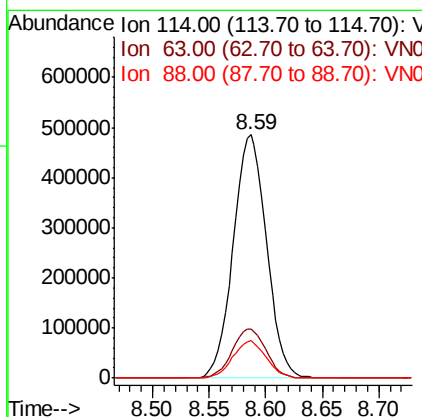
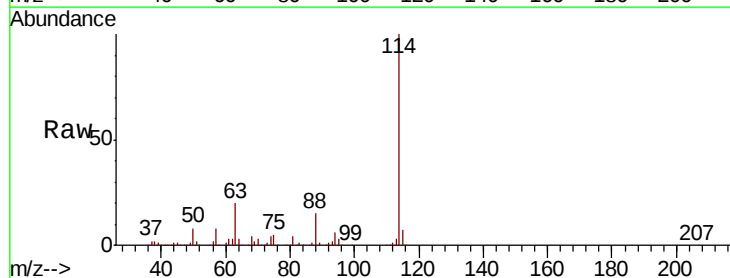
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

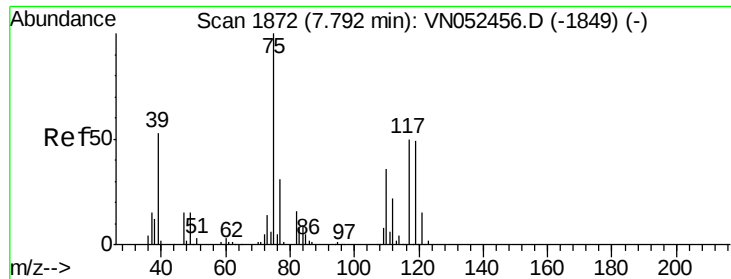
Tot Ion: 65 Resp: 351377
 Ion Ratio Lower Upper
 65 100
 67 54.4 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion: 114 Resp: 996037
 Ion Ratio Lower Upper
 114 100
 63 20.6 16.9 25.3
 88 15.4 12.8 19.2

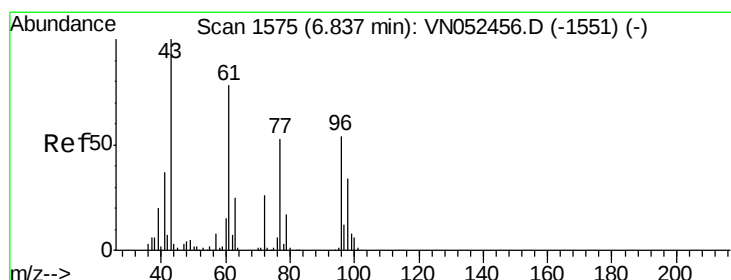
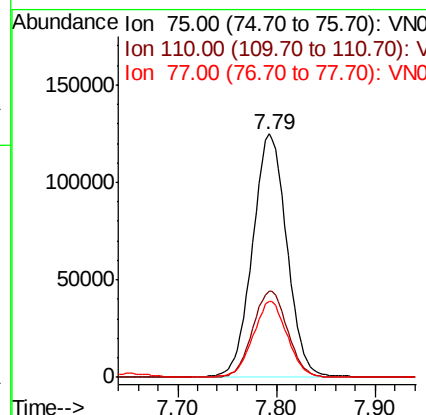
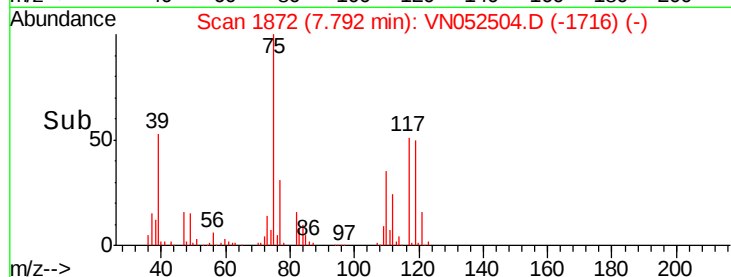
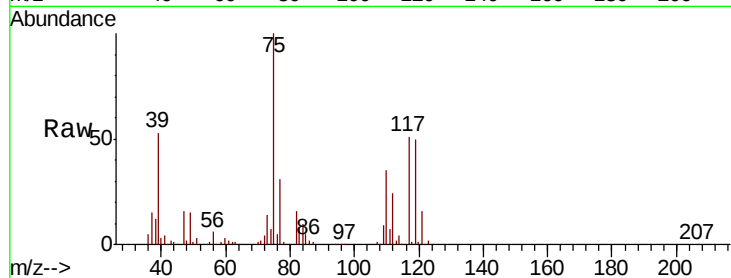




#29
 1,1-Dichloropropene
 Concen: 19.730 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

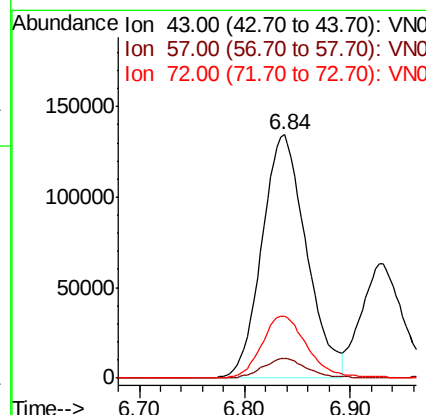
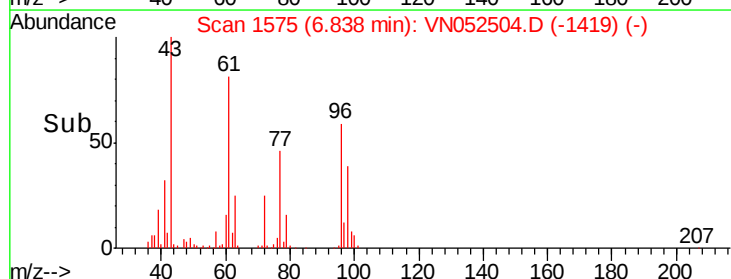
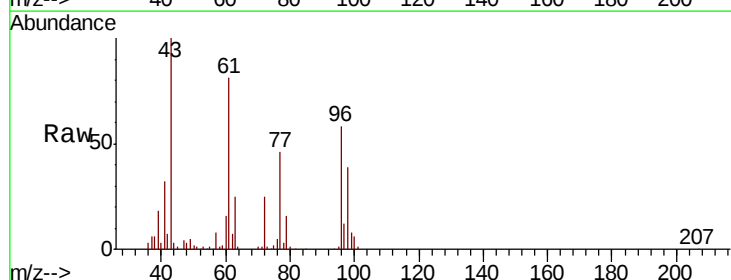
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

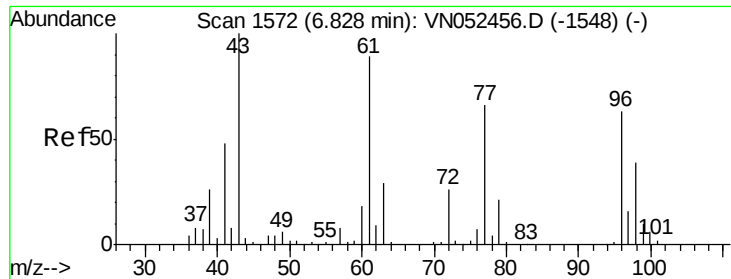
Tot Ion	Ratio	Lower	Upper
75	100		
110	35.8	0.0	70.2
77	31.2	0.0	62.6



#30
 2-Butanone
 Concen: 96.385 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.2	9.4
72	26.2	21.0	31.6

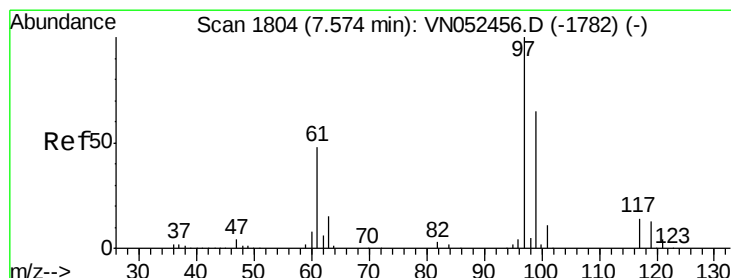
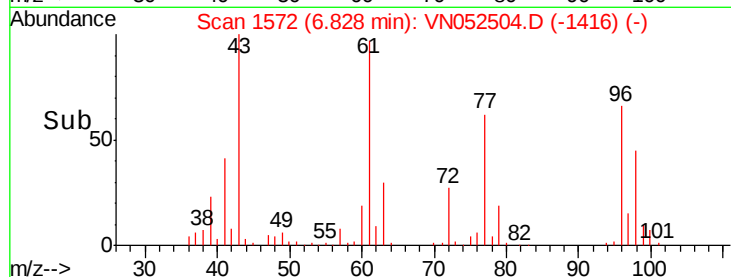
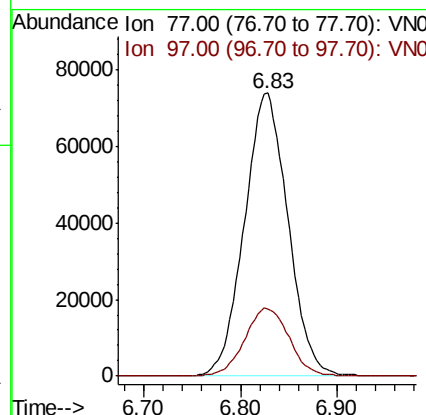
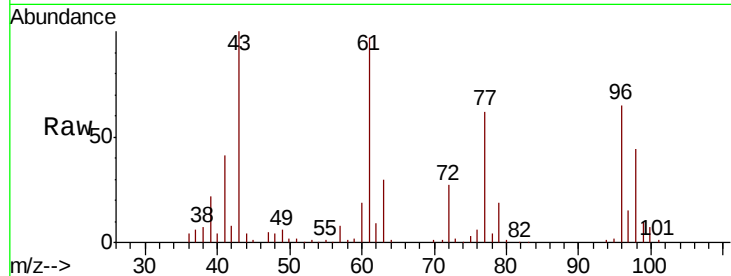




#31
 2,2-Dichloropropane
 Concen: 16.508 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

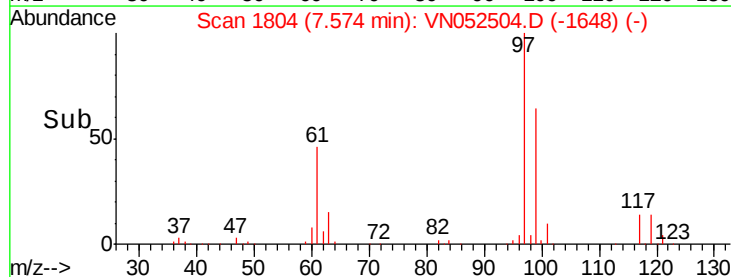
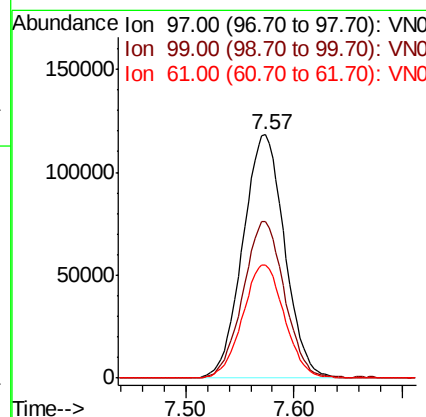
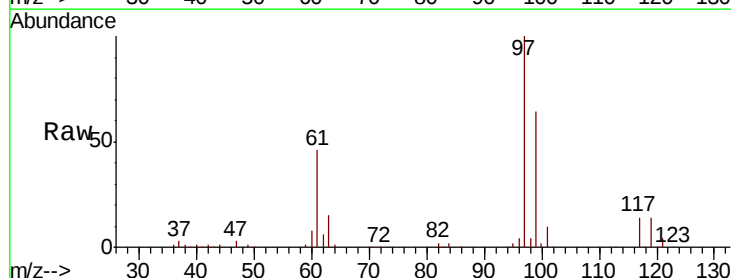
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

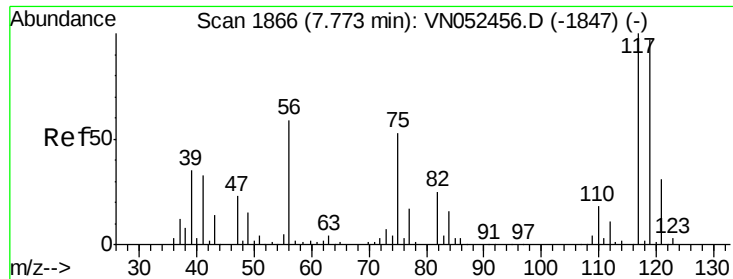
Tot Ion: 77 Resp: 231160
 Ion Ratio Lower Upper
 77 100
 97 24.6 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 20.135 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion: 97 Resp: 318674
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.9 76.3
 61 46.5 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.989 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

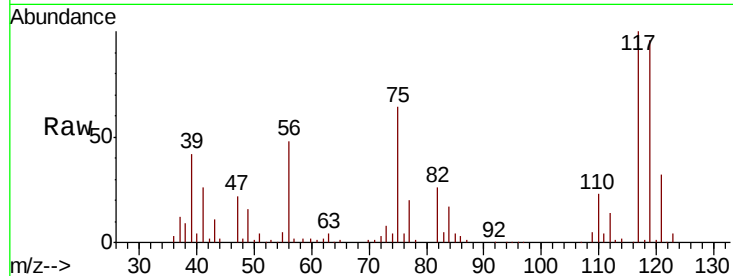
Tot Ion:117 Resp: 276816

Ion Ratio Lower Upper

117 100

119 95.6 77.3 115.9

121 31.9 24.9 37.3

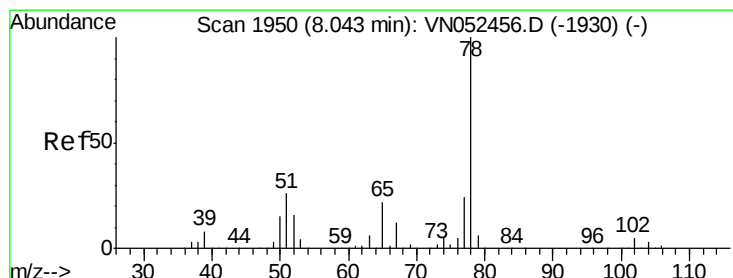
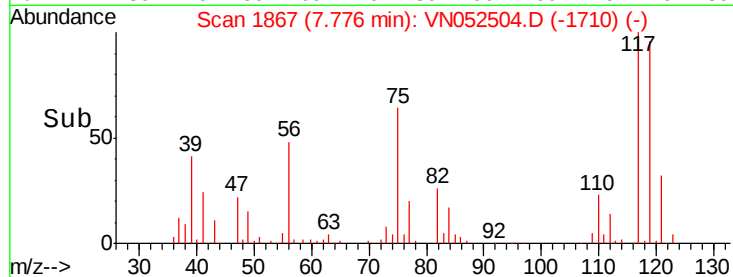
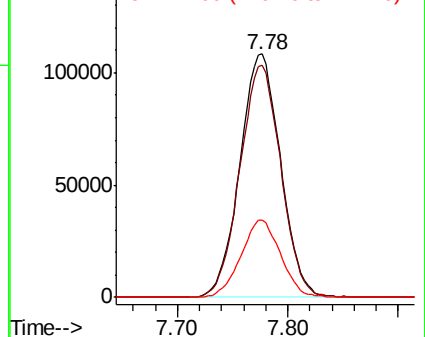


Abundance

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: 20.268 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

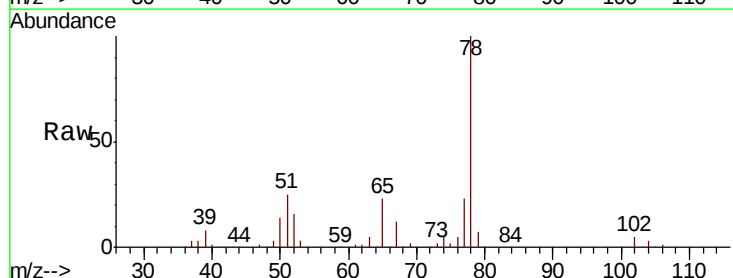
Tgt Ion: 78 Resp: 926883

Ion Ratio Lower Upper

78 100

77 23.3 19.0 28.6

51 24.5 20.5 30.7

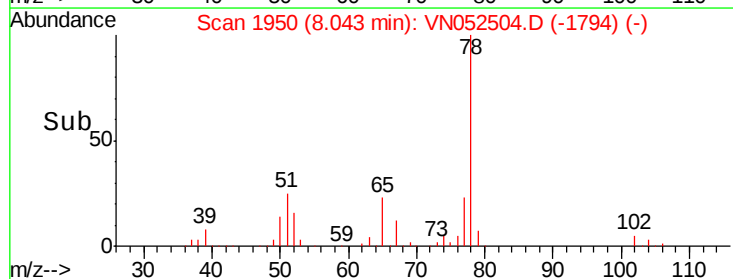
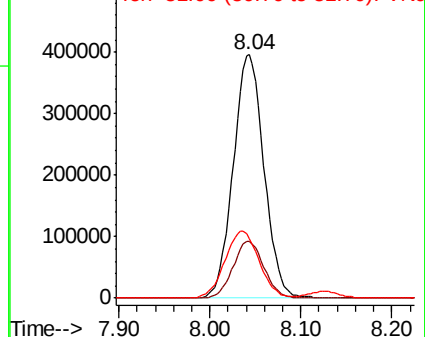


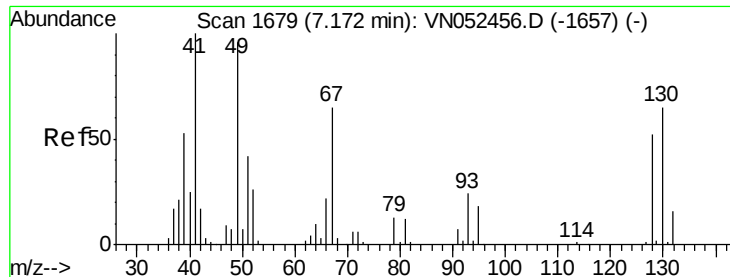
Abundance

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

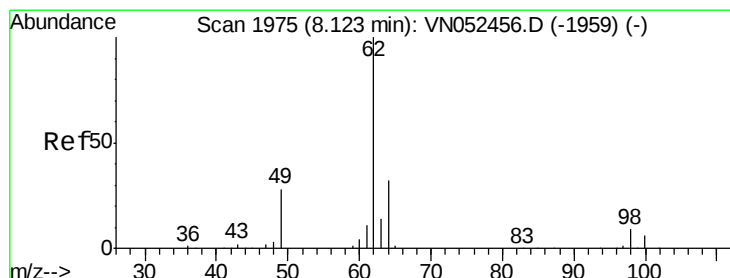
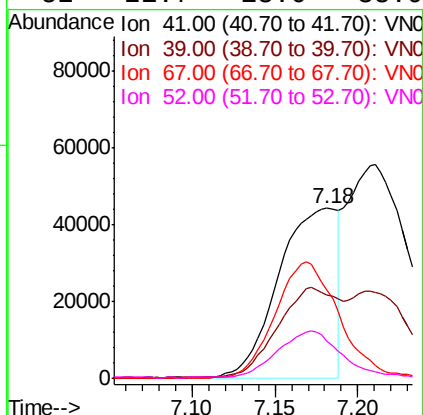
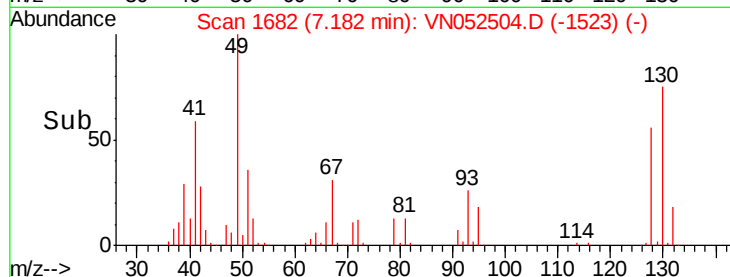
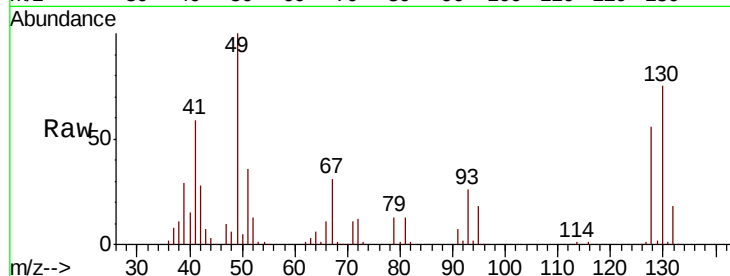




#35
Methacrylonitrile
Concen: 21.619 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

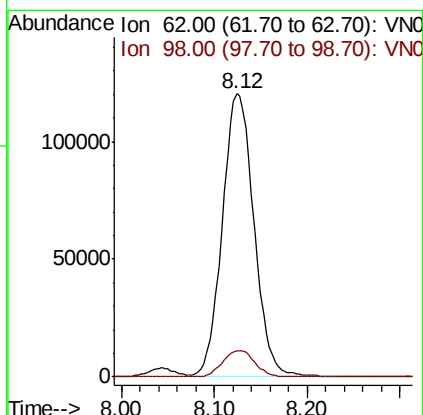
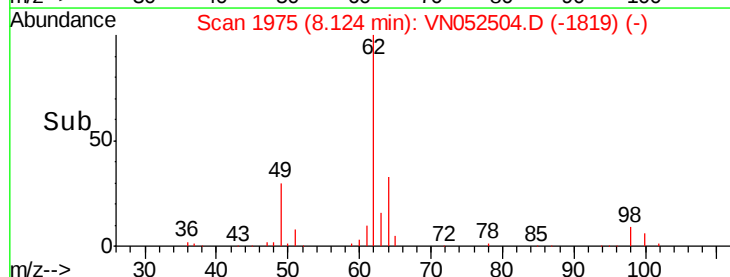
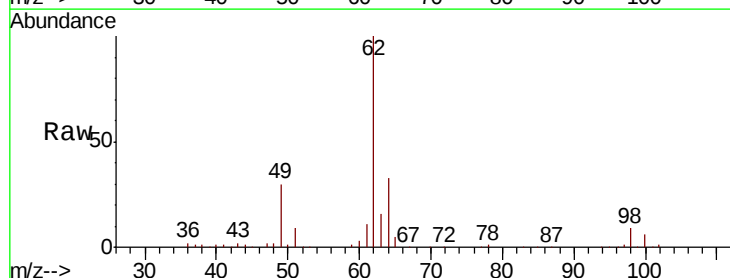
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

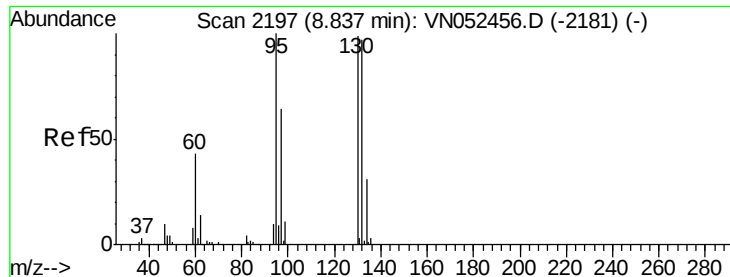
Tot Ion: 41 Resp: 109168
Ion Ratio Lower Upper
41 100
39 48.8 26.6 79.7
67 52.3 32.3 96.9
52 21.7 13.0 38.9



#36
1,2-Dichloroethane
Concen: 20.571 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Tgt Ion: 62 Resp: 285070
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.2

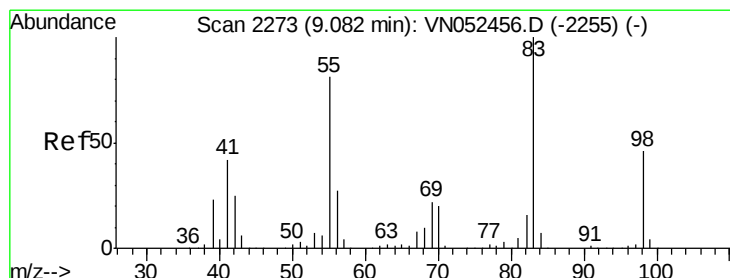
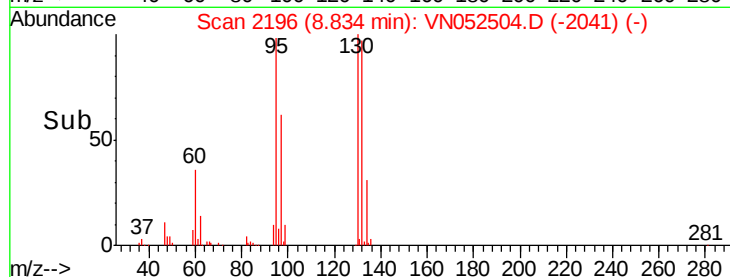
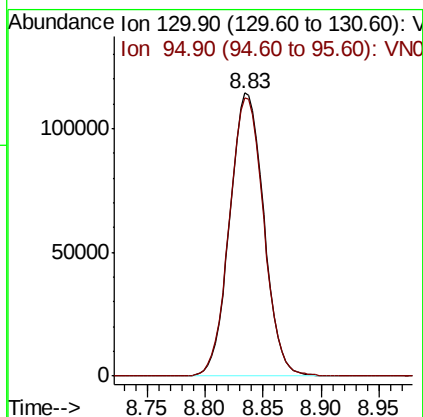
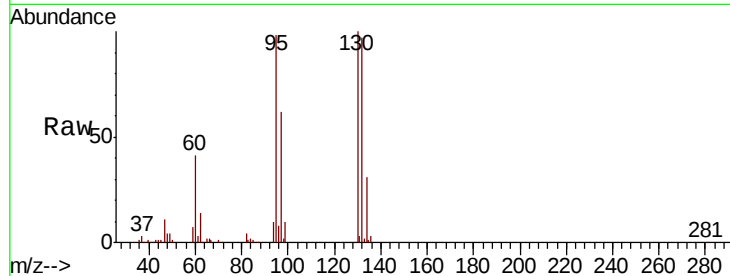




#37
 Trichloroethene
 Concen: 20.072 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

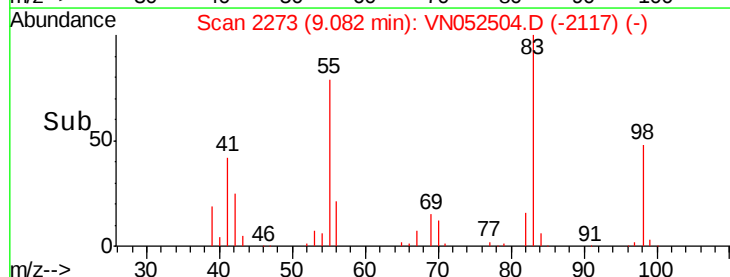
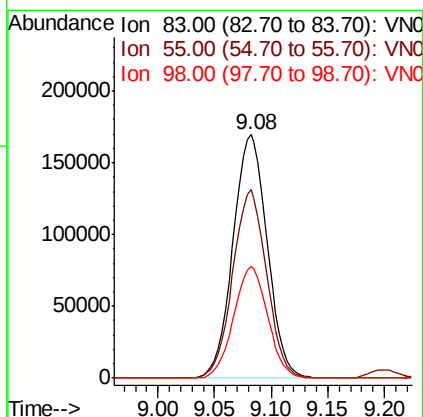
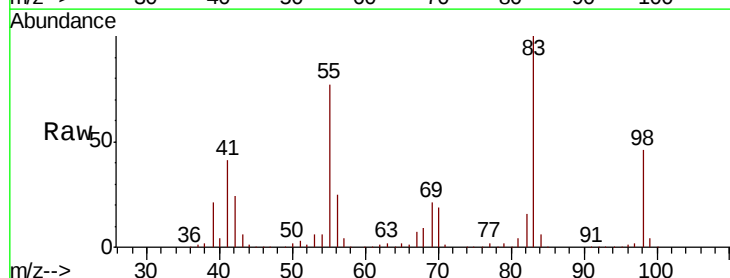
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

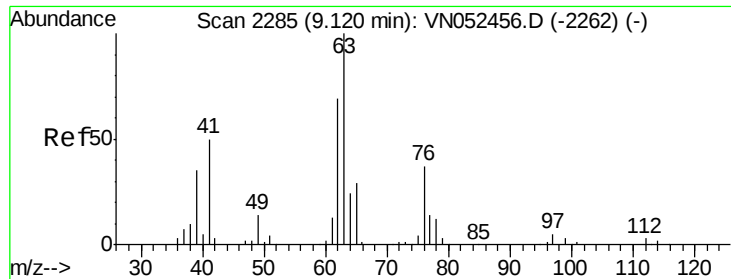
Tot Ion:130 Resp: 232756
 Ion Ratio Lower Upper
 130 100
 95 98.5 81.0 121.4



#38
 Methylcyclohexane
 Concen: 18.983 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion: 83 Resp: 357429
 Ion Ratio Lower Upper
 83 100
 55 76.3 39.8 119.4
 98 45.6 22.9 68.5

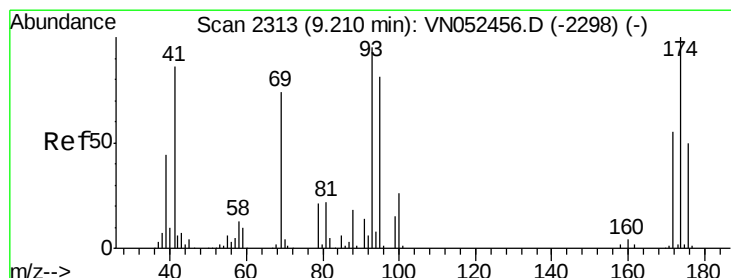
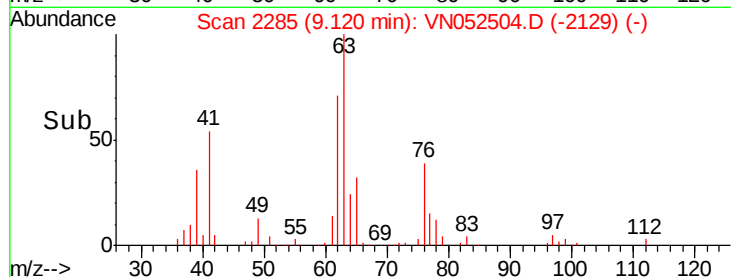
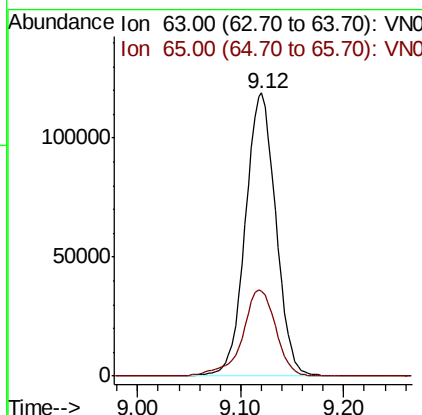
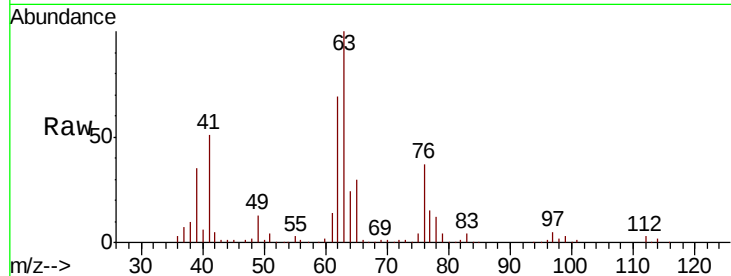




#39
 1,2-Dichloropropane
 Concen: 19.882 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

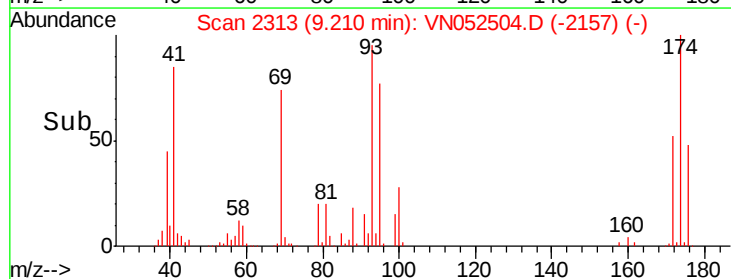
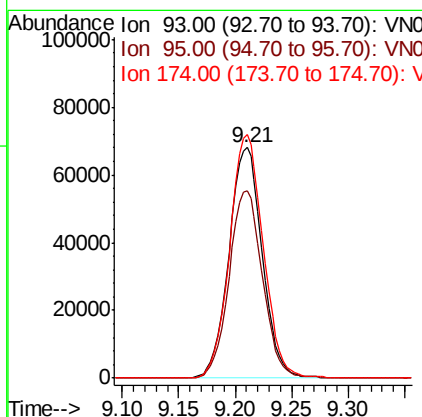
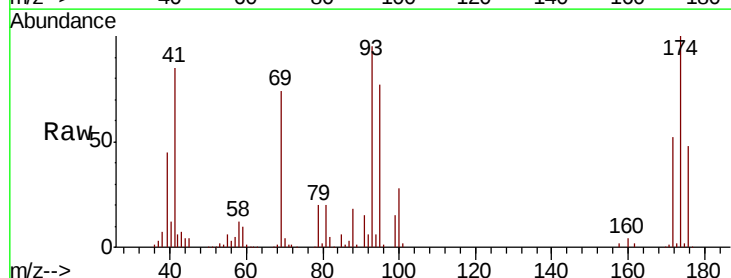
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

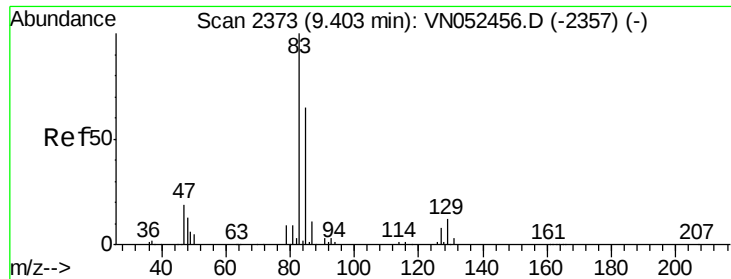
Tot Ion: 63 Resp: 243726
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.6 35.4



#40
 Dibromomethane
 Concen: 21.097 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion: 93 Resp: 139752
 Ion Ratio Lower Upper
 93 100
 95 81.2 0.0 168.4
 174 106.1 0.0 210.0

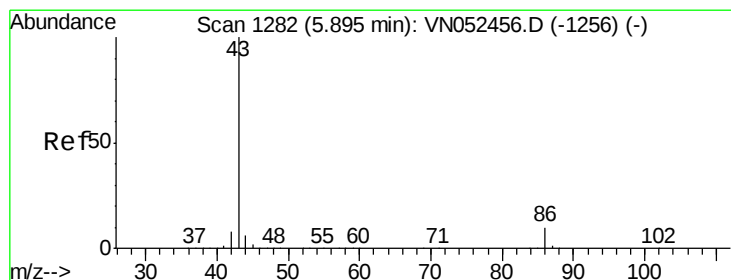
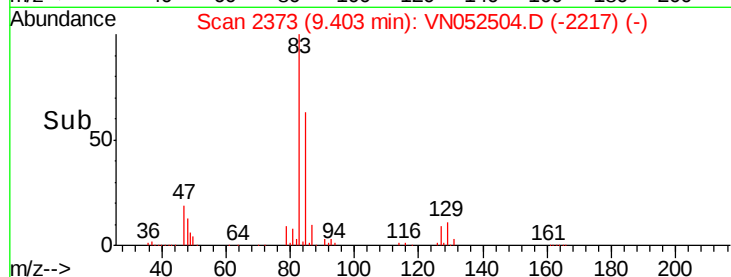
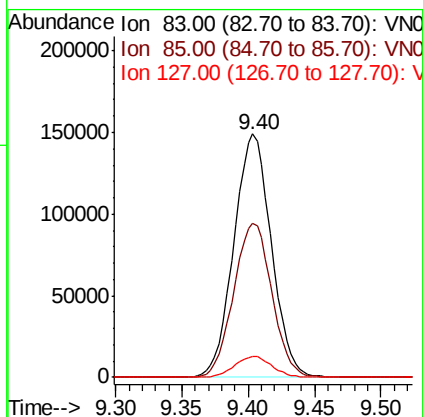
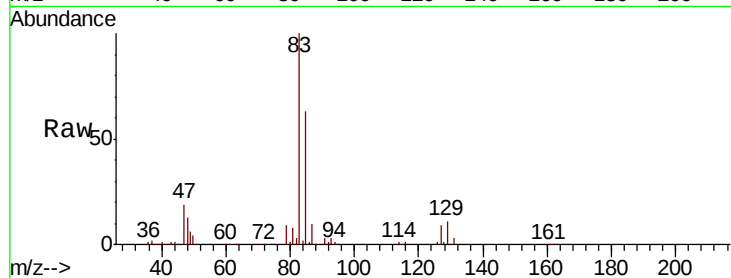




#41
Bromodichloromethane
Concen: 20.012 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

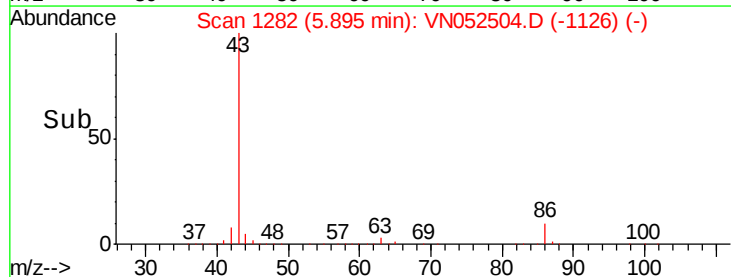
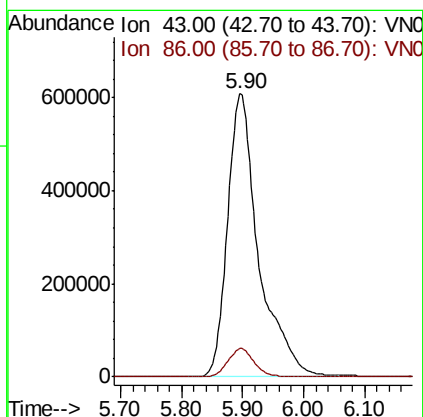
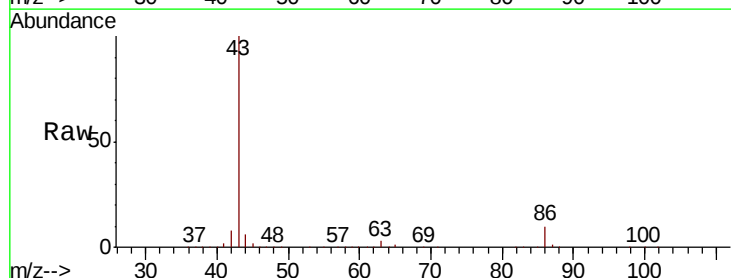
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

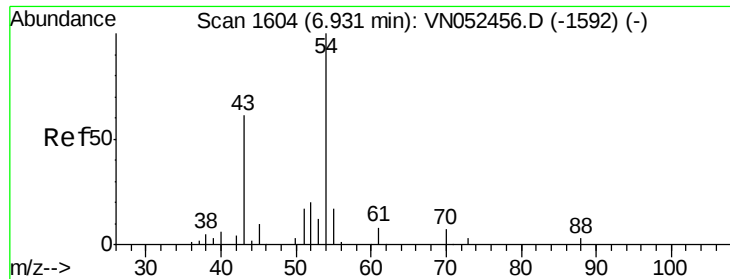
Tot Ion: 83 Resp: 292886
Ion Ratio Lower Upper
83 100
85 63.0 52.4 78.6
127 8.5 6.6 9.8



#42
Vinyl Acetate
Concen: 98.027 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Tgt Ion: 43 Resp: 2158729
Ion Ratio Lower Upper
43 100
86 8.5 6.5 9.7





#43

Ethyl Acetate

Concen: 20.512 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

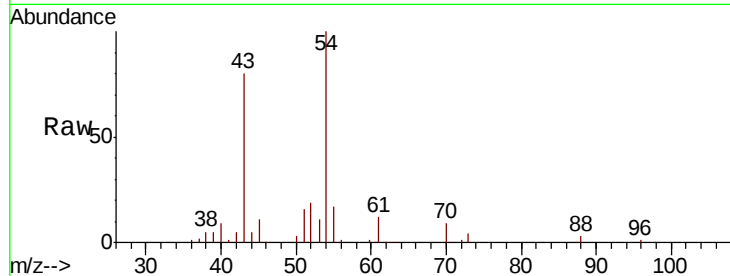
VSTDCCC020EC

Tot Ion: 43 Resp: 177521

Ion Ratio Lower Upper

43 100

45 13.2 1.0 1.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

150000

100000

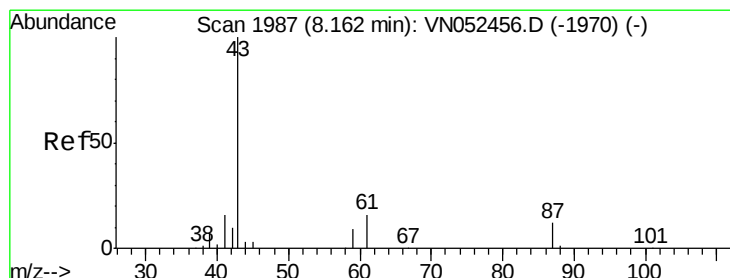
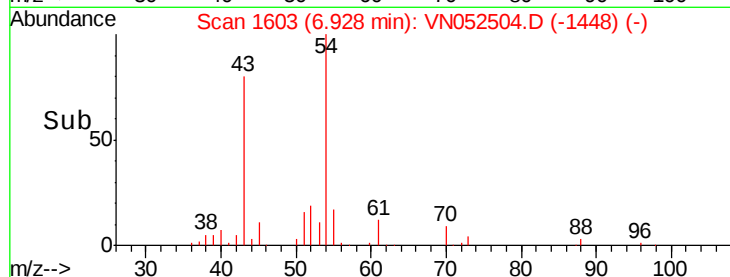
50000

0

6.93

6.90 7.00 7.10

Time-->



#44

Isopropyl Acetate

Concen: 20.855 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052504.D

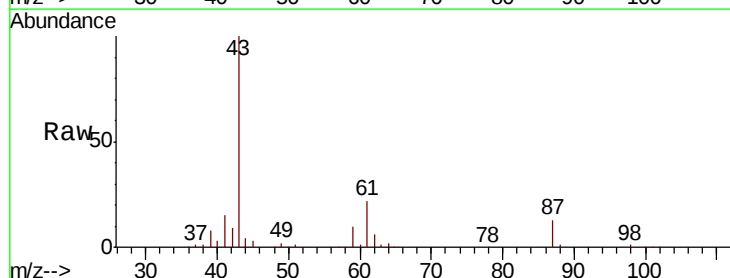
Acq: 28 Nov 2018 3:25

Tgt Ion: 43 Resp: 316542

Ion Ratio Lower Upper

43 100

61 18.2 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

150000

100000

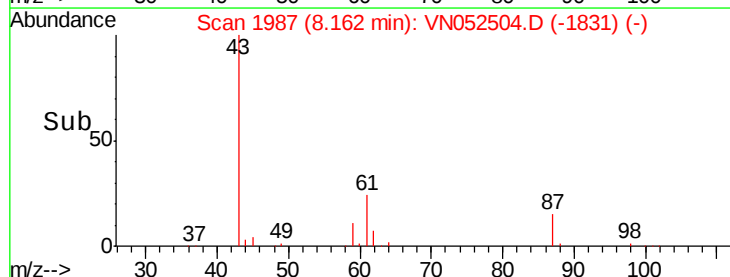
50000

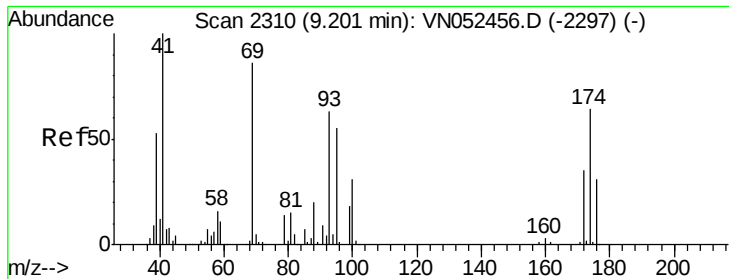
0

8.16

8.05 8.10 8.15 8.20 8.25

Time-->

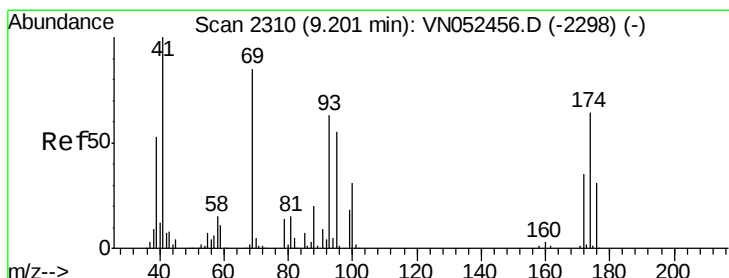
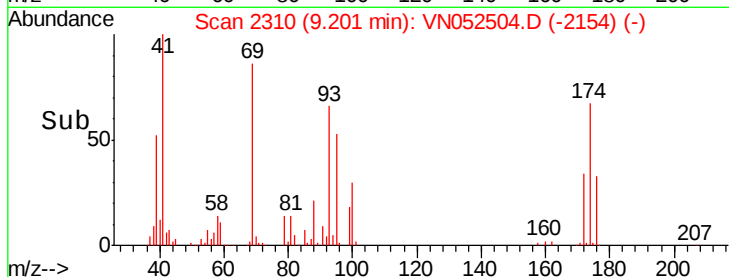
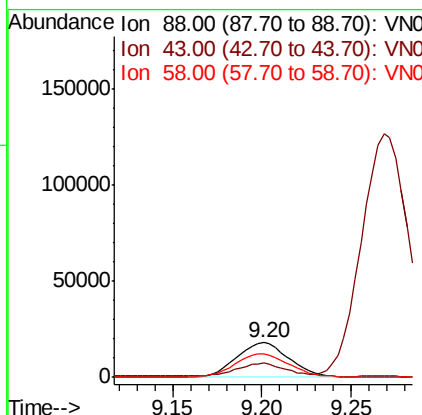
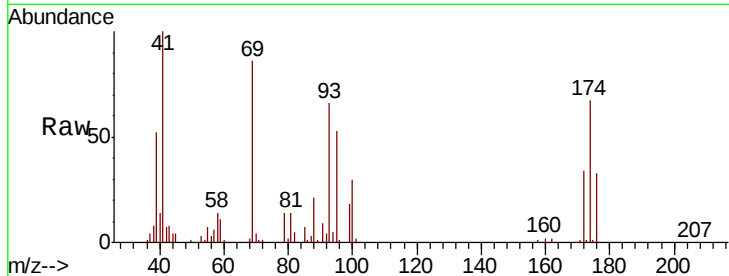




#45
 1,4-Dioxane
 Concen: 447.034 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

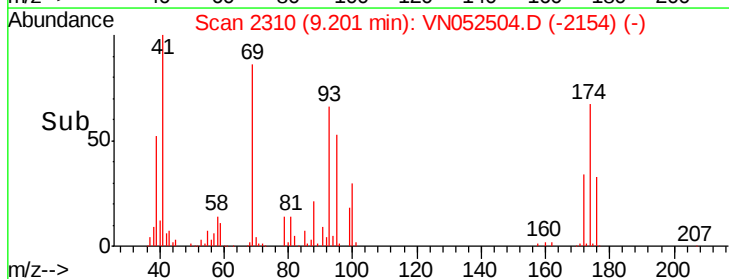
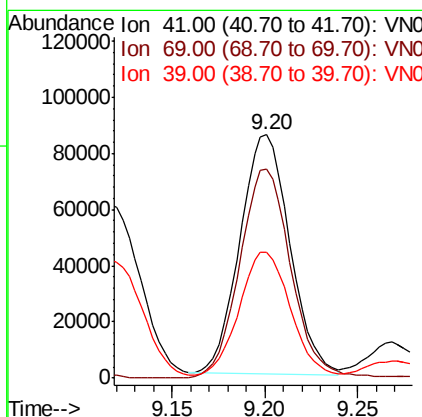
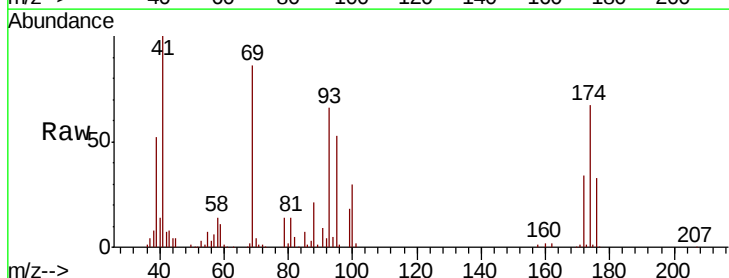
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

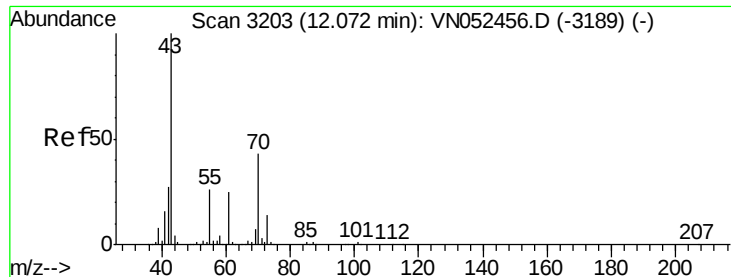
Tot Ion: 88 Resp: 37120
 Ion Ratio Lower Upper
 88 100
 43 31.8 29.5 44.3
 58 71.0 61.5 92.3



#46
 Methyl methacrylate
 Concen: 20.343 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion: 41 Resp: 160324
 Ion Ratio Lower Upper
 41 100
 69 87.4 42.5 127.6
 39 51.4 26.3 78.9

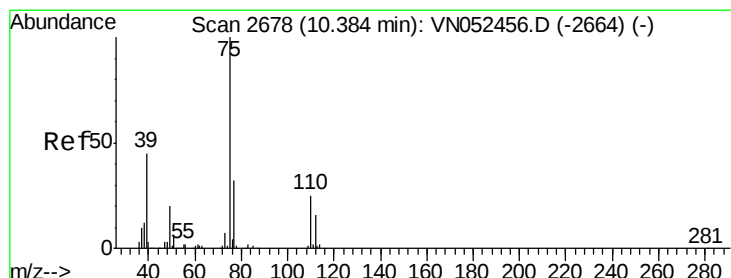
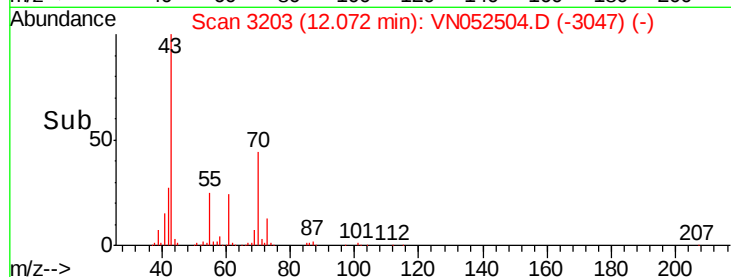
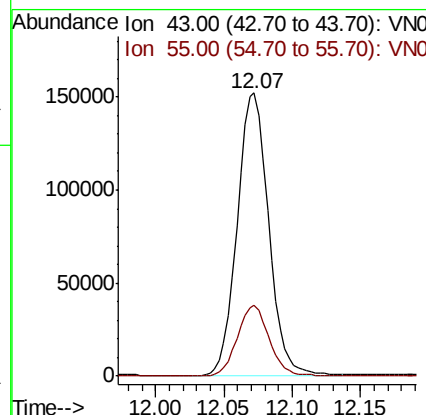
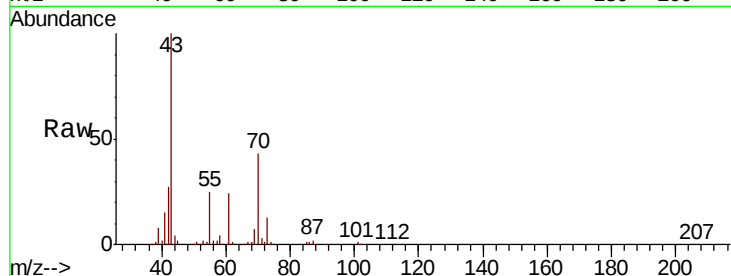




#47
n-amyl Acetate
Concen: 19.314 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

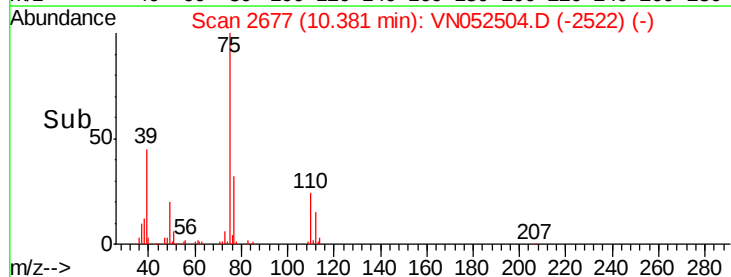
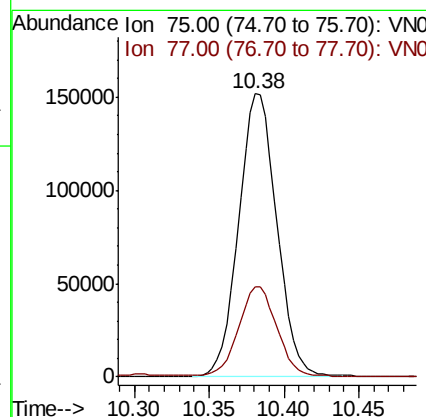
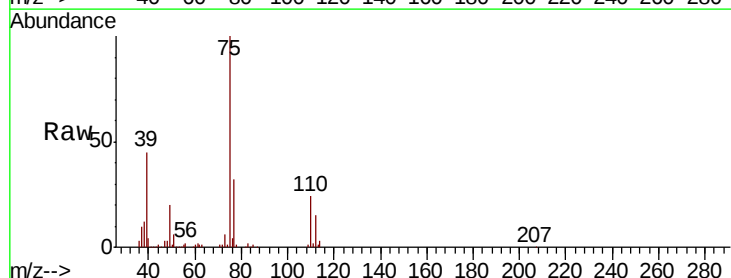
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

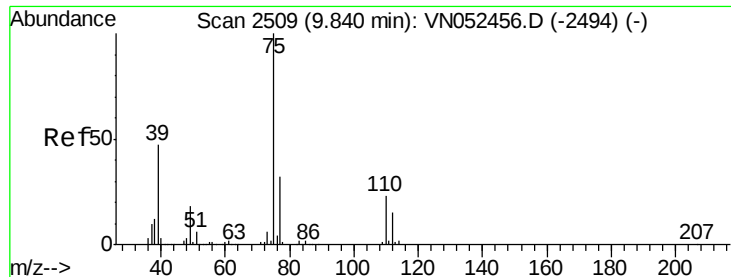
Tot Ion: 43 Resp: 243072
Ion Ratio Lower Upper
43 100
55 25.5 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 19.003 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Tgt Ion: 75 Resp: 269668
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4



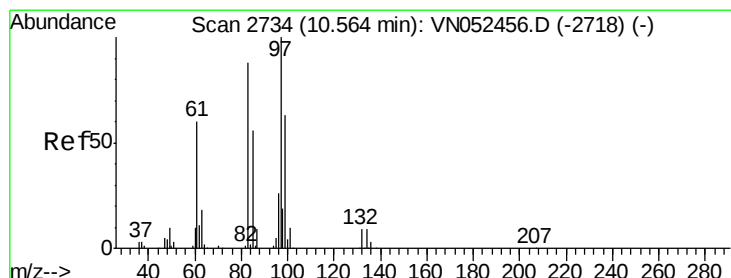
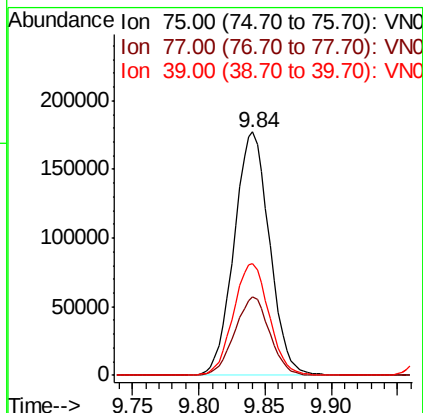
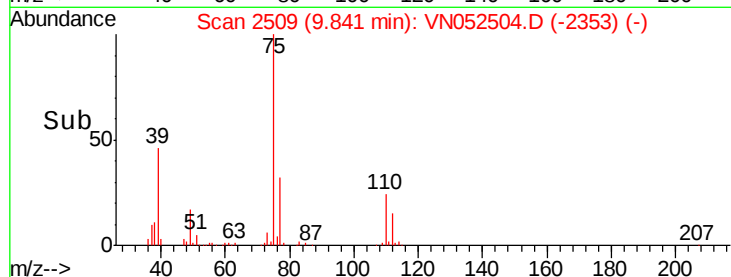
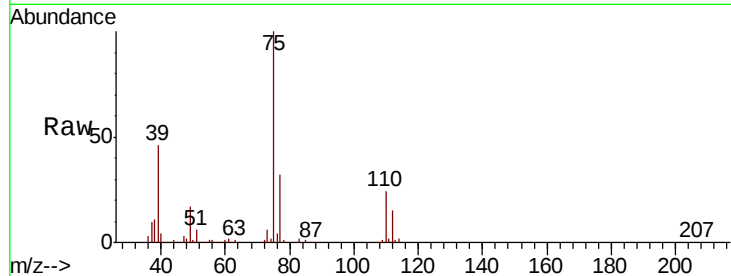


#49

cis-1,3-Dichloropropene
 Concen: 19.016 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

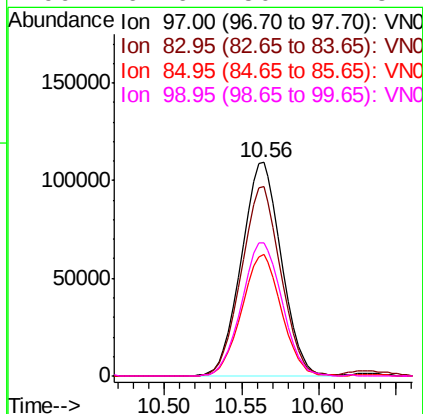
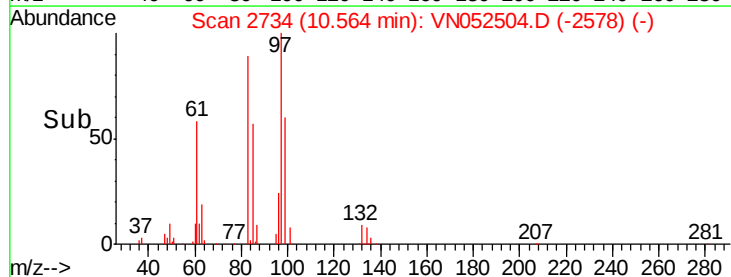
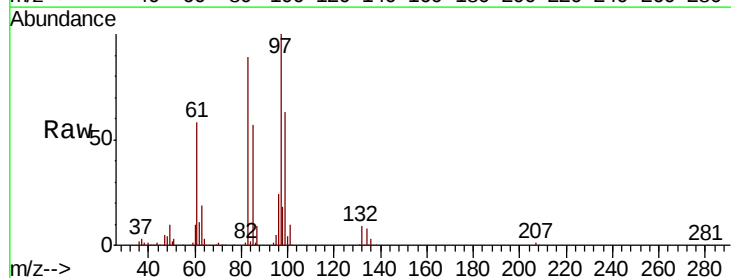
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0
39	45.7	37.3	55.9

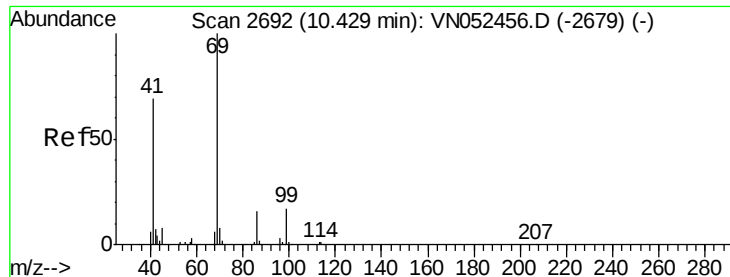


#50

1,1,2-Trichloroethane
 Concen: 20.944 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.4	105.6
85	56.7	45.0	67.6
99	62.6	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.303 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

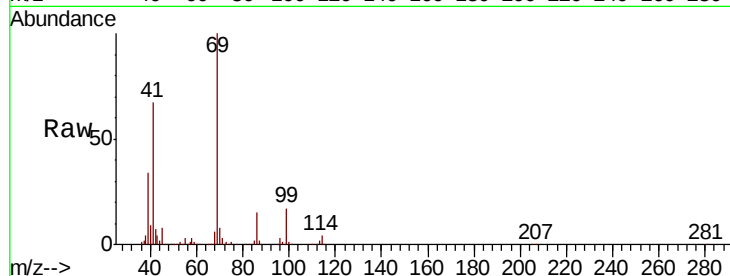
Tot Ion: 69 Resp: 239442

Ion Ratio Lower Upper

69 100

41 66.4 34.4 103.3

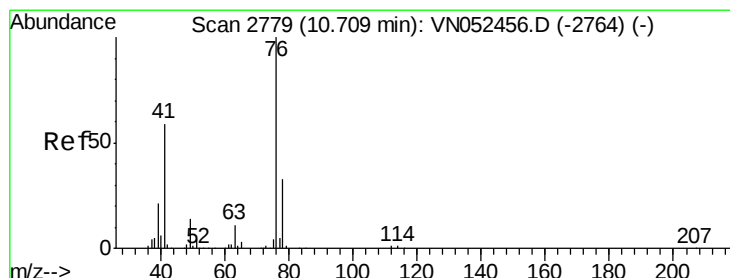
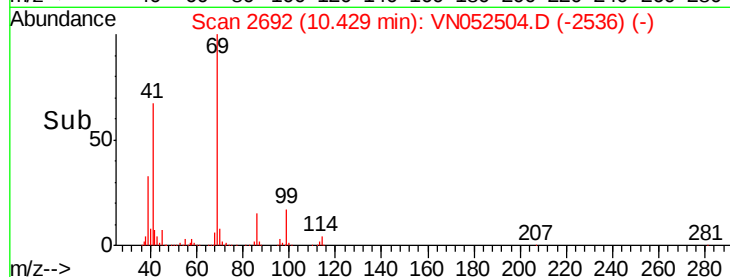
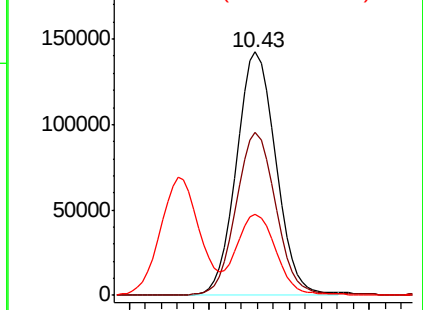
39 33.0 16.4 49.2



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: 20.344 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052504.D

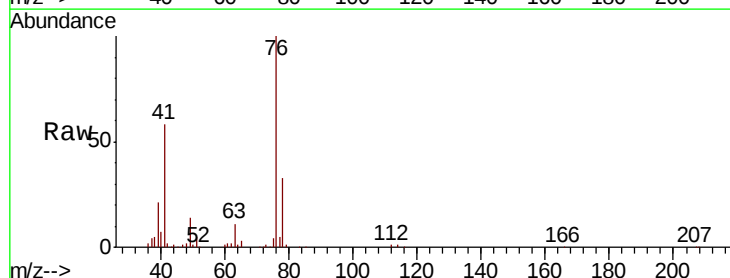
Acq: 28 Nov 2018 3:25

Tgt Ion: 76 Resp: 340034

Ion Ratio Lower Upper

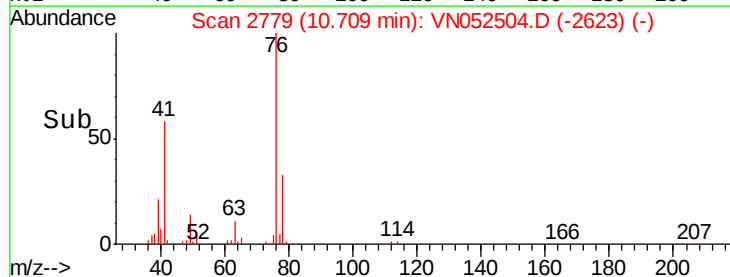
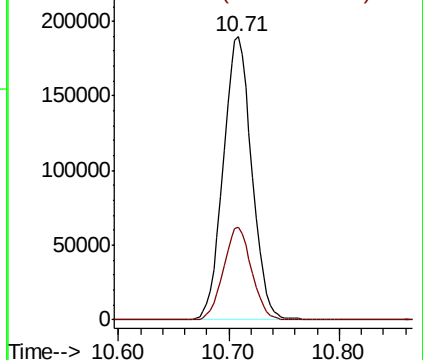
76 100

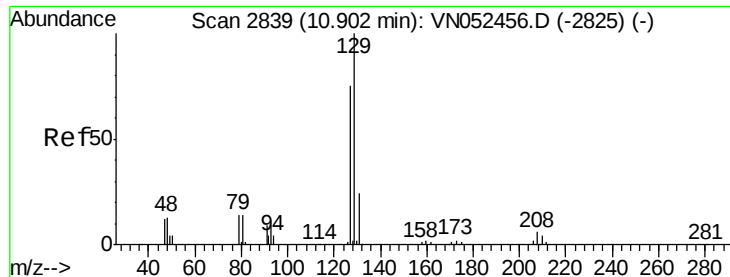
78 32.3 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.981 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

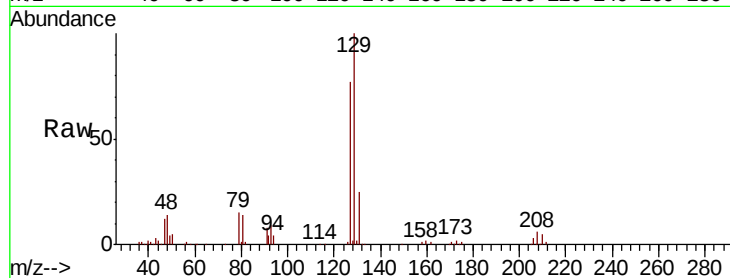
VSTDCCC020EC

Tot Ion:129 Resp: 206563

Ion Ratio Lower Upper

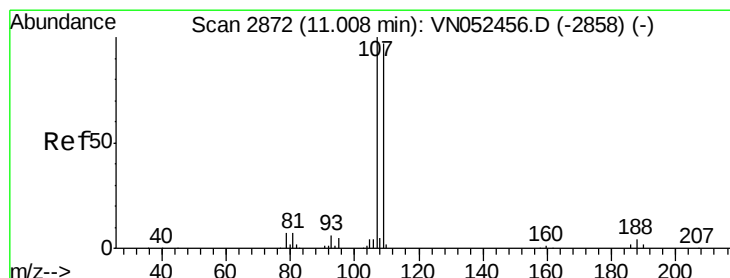
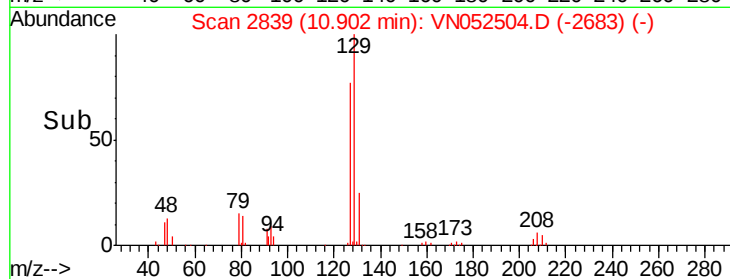
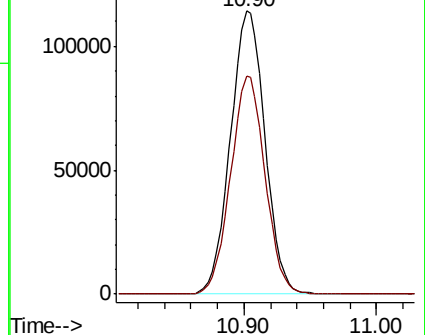
129 100

127 76.7 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: 20.955 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052504.D

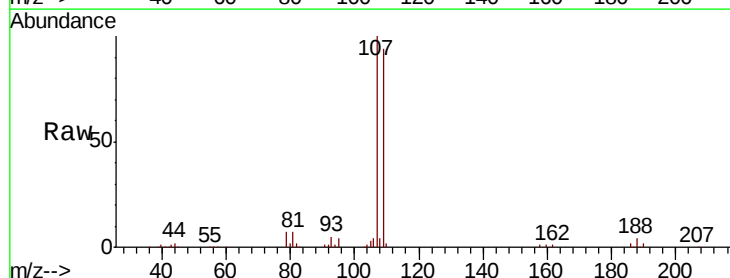
Acq: 28 Nov 2018 3:25

Tgt Ion:107 Resp: 192273

Ion Ratio Lower Upper

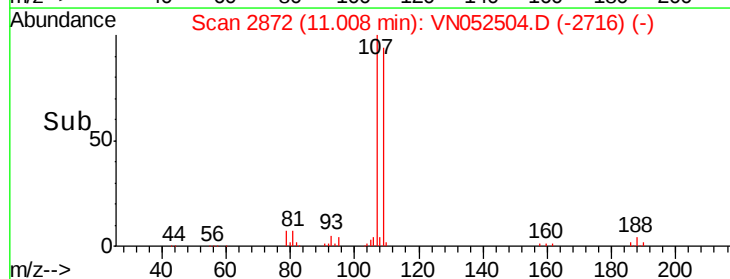
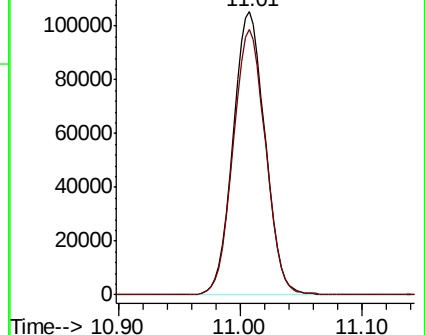
107 100

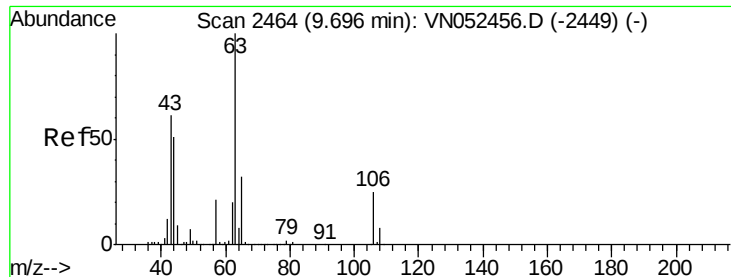
109 94.7 77.1 115.7



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: 92.975 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

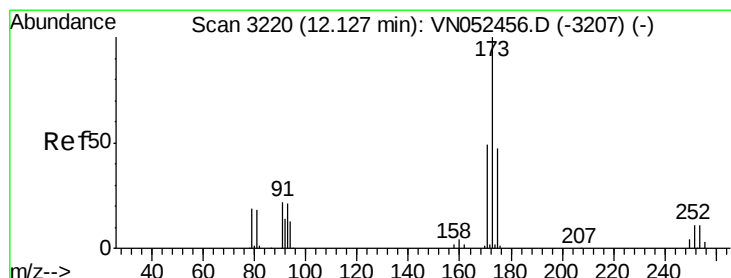
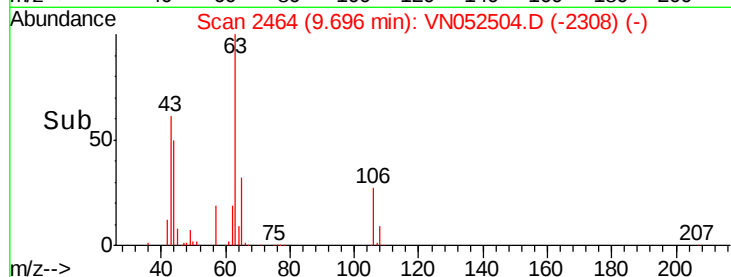
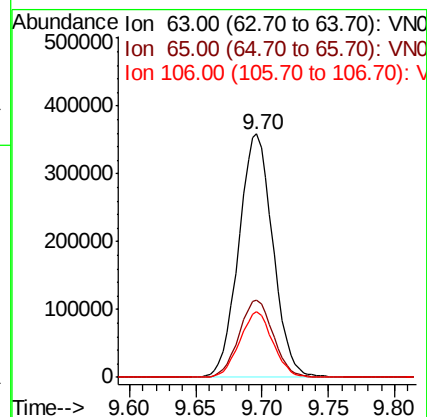
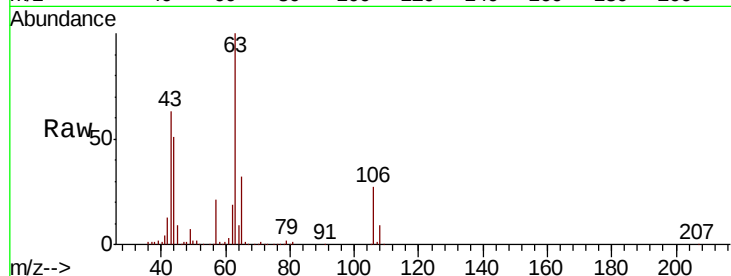
Tot Ion: 63 Resp: 641840

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.2

106 26.3 20.4 30.6



#56

Bromoform

Concen: 19.954 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

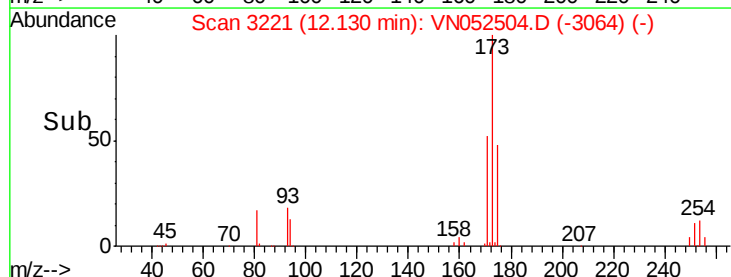
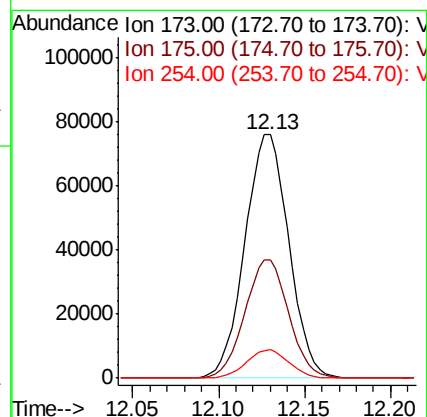
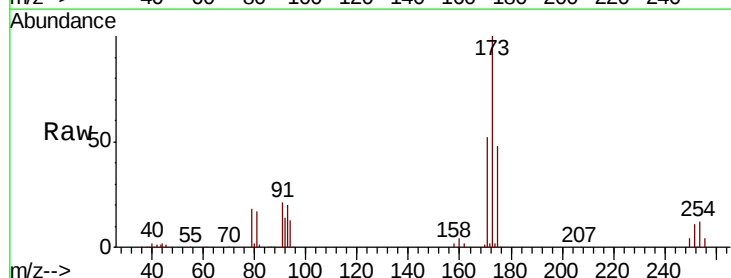
Tgt Ion: 173 Resp: 134838

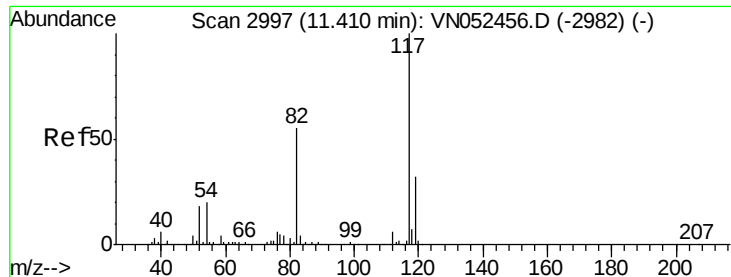
Ion Ratio Lower Upper

173 100

175 48.3 38.7 58.1

254 11.1 8.4 12.6

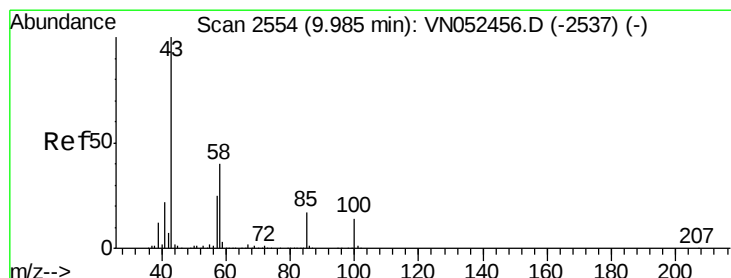
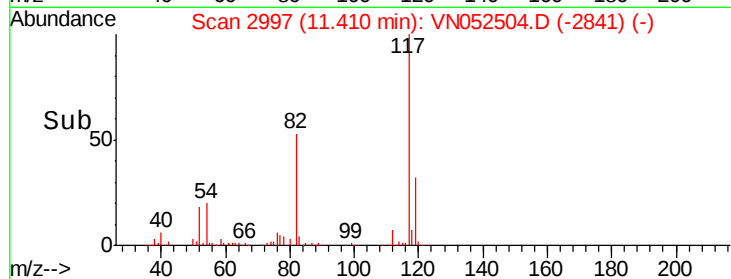
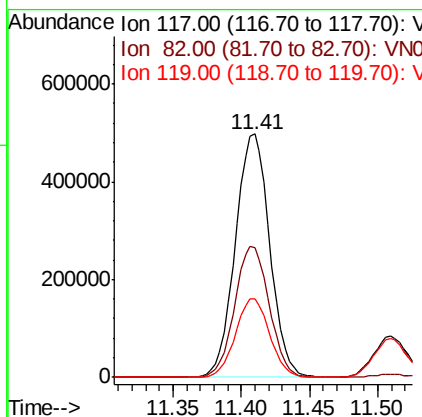
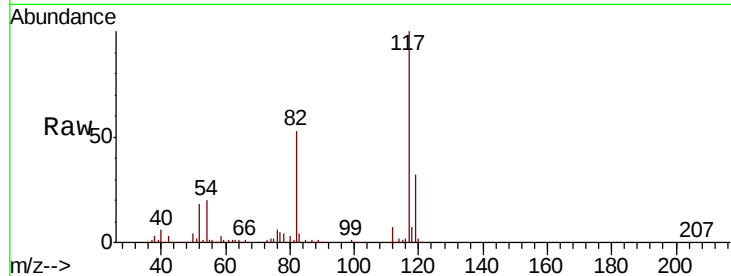




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

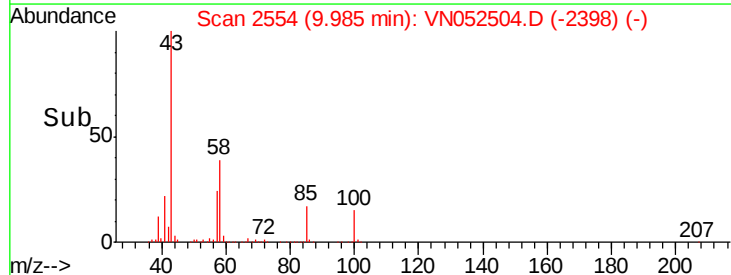
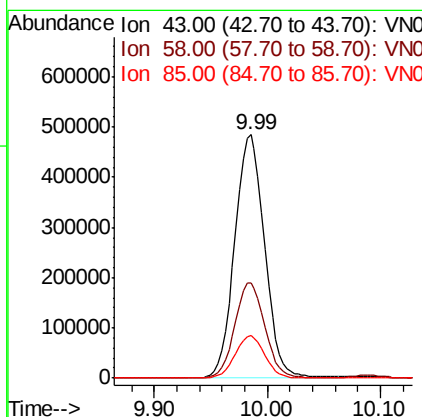
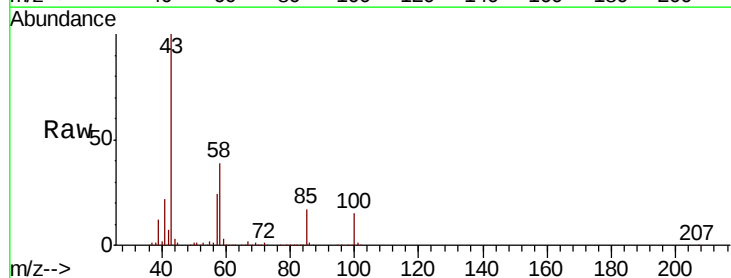
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

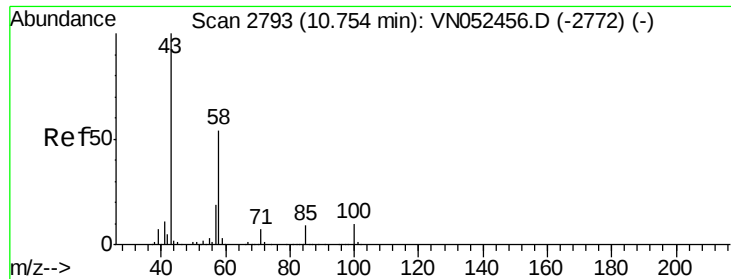
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.2
119	32.2	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 105.704 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.6	47.4
85	17.4	13.3	19.9

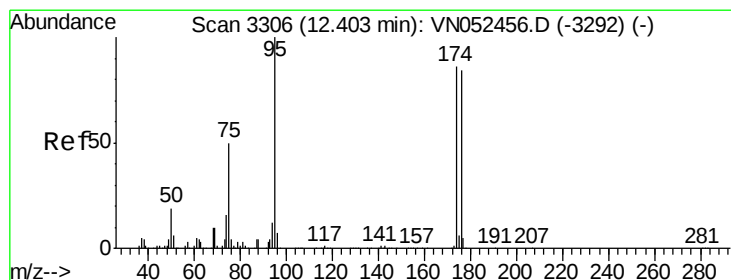
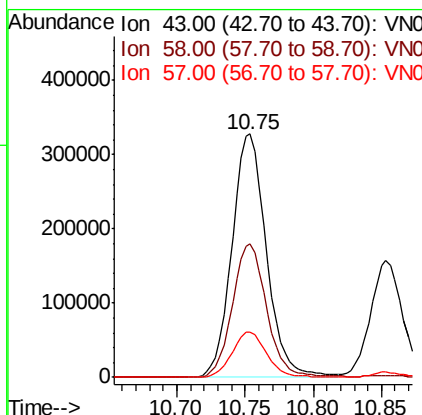
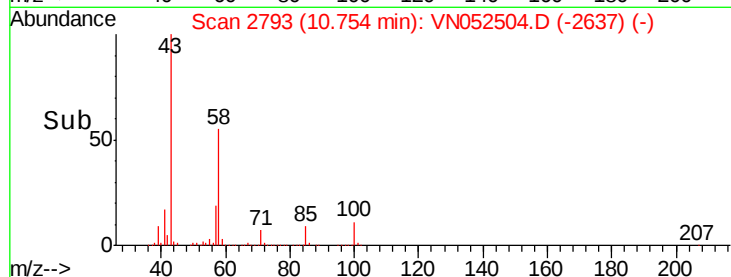
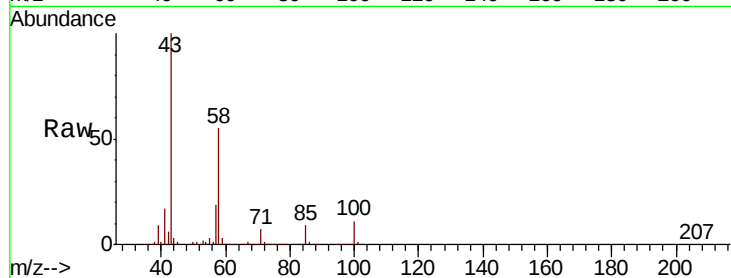




#59
2-Hexanone
Concen: 99.282 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

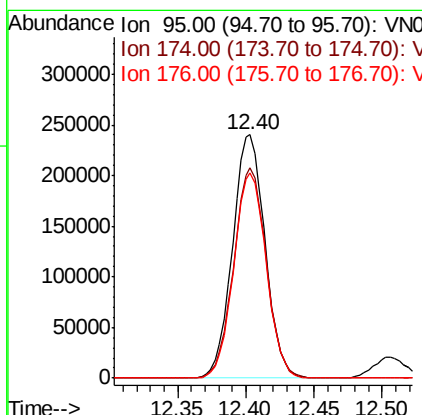
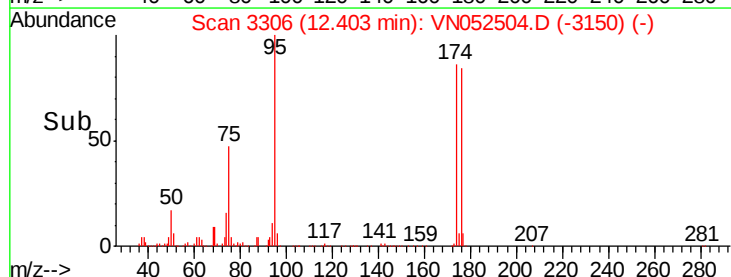
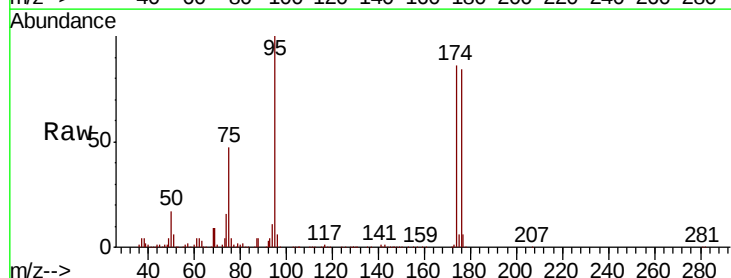
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

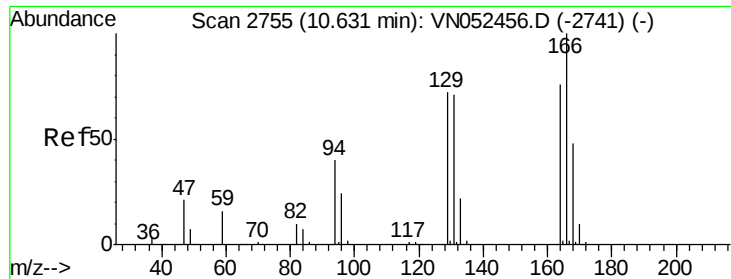
Tot Ion: 43 Resp: 572783
Ion Ratio Lower Upper
43 100
58 54.8 43.2 64.8
57 18.8 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 99.282 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Tgt Ion: 95 Resp: 396270
Ion Ratio Lower Upper
95 100
174 87.0 67.9 101.9
176 84.4 66.4 99.6

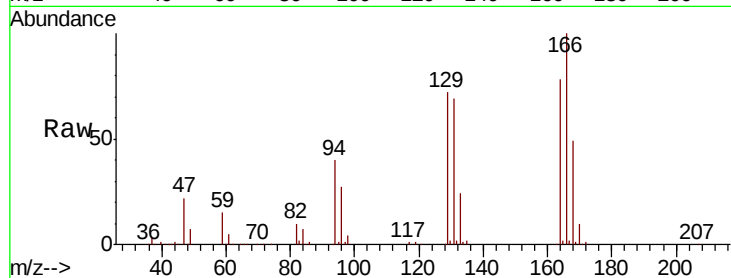




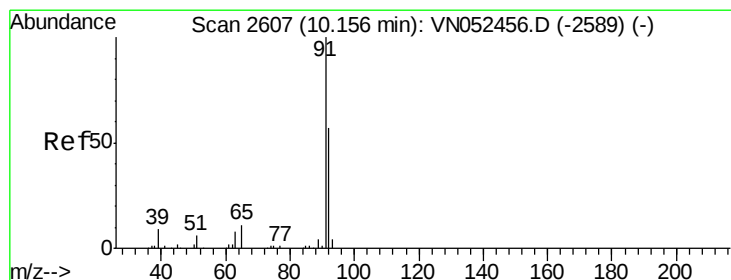
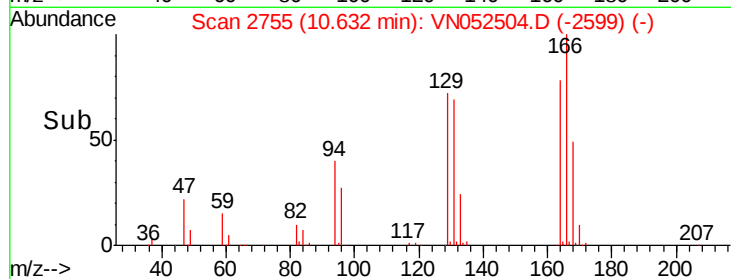
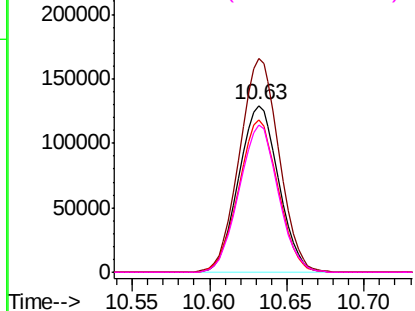
#61
Tetrachloroethene
Concen: 21.599 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:164 Resp: 231741
Ion Ratio Lower Upper
164 100
166 128.2 104.6 157.0
129 91.8 75.3 112.9
131 88.4 74.3 111.5

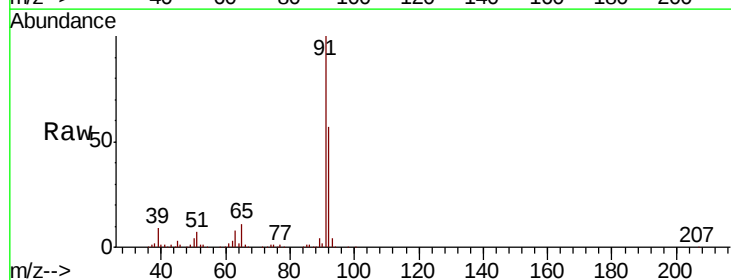


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

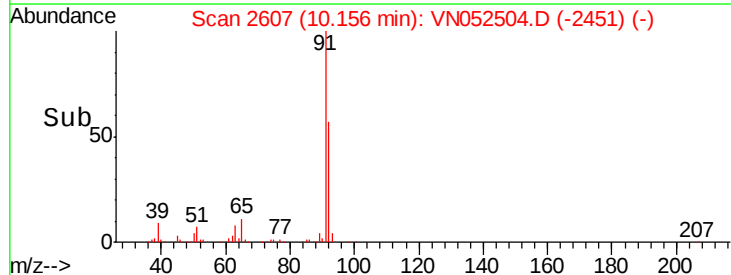
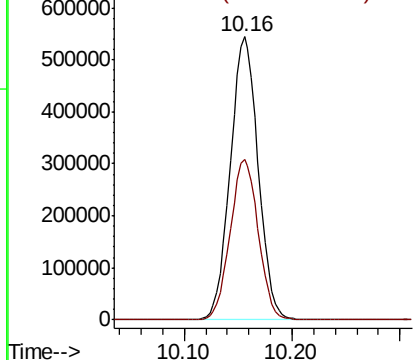


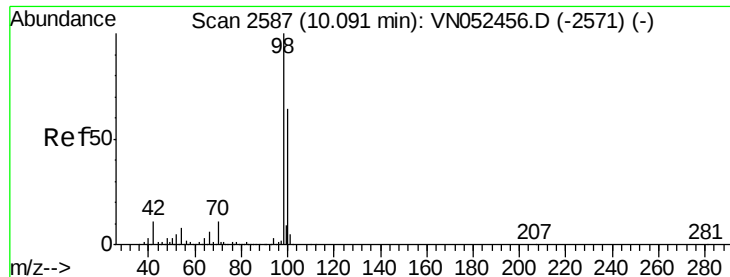
#62
Toluene
Concen: 20.420 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Tgt Ion: 91 Resp: 980629
Ion Ratio Lower Upper
91 100
92 57.2 45.4 68.2



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





#63

Toluene-d8

Concen: 20.420 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

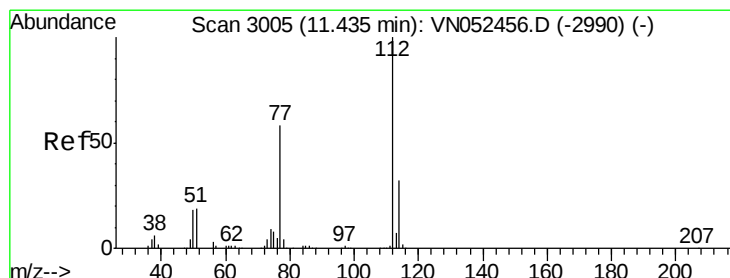
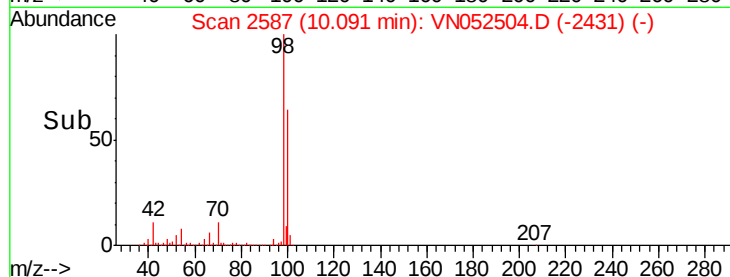
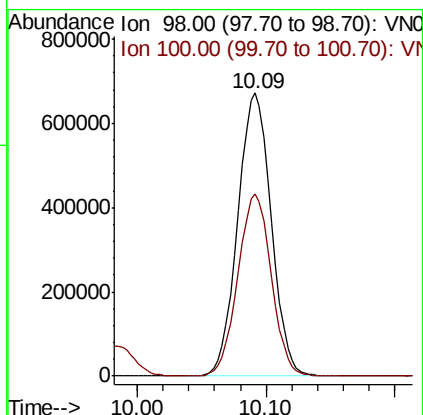
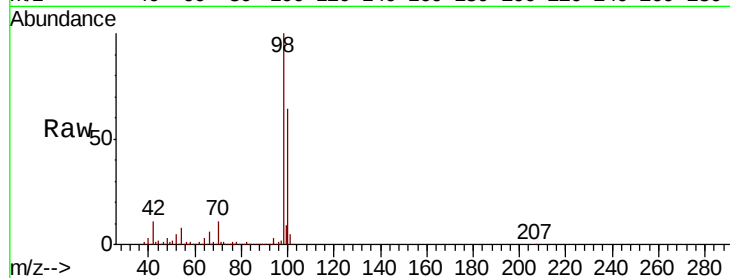
VSTDCCC020EC

Tot Ion: 98 Resp: 1215235

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



#64

Chlorobenzene

Concen: 20.340 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052504.D

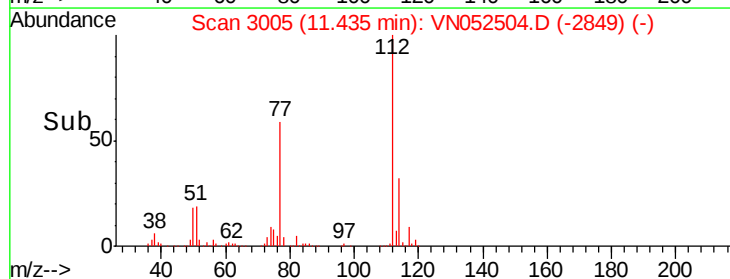
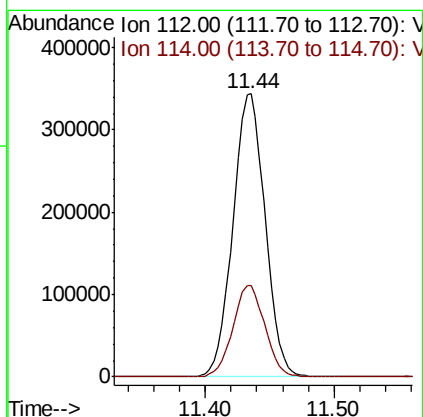
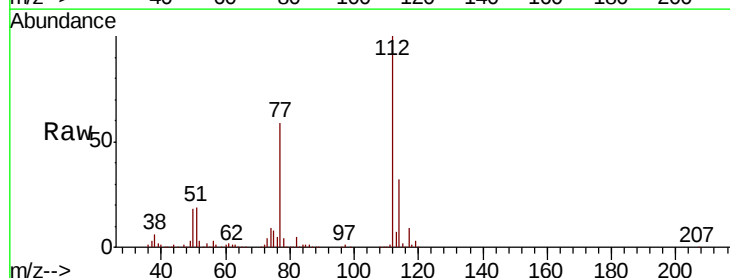
Acq: 28 Nov 2018 3:25

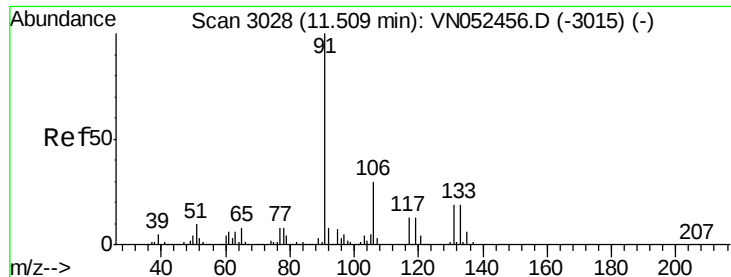
Tgt Ion: 112 Resp: 596213

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.465 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

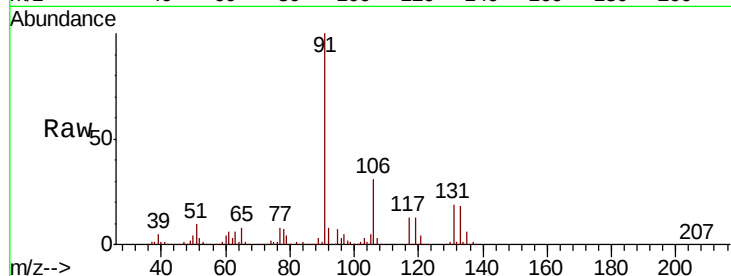
Tot Ion:131 Resp: 208224

Ion Ratio Lower Upper

131 100

133 94.2 0.0 193.4

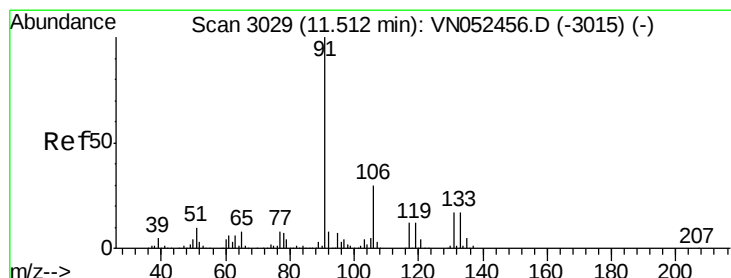
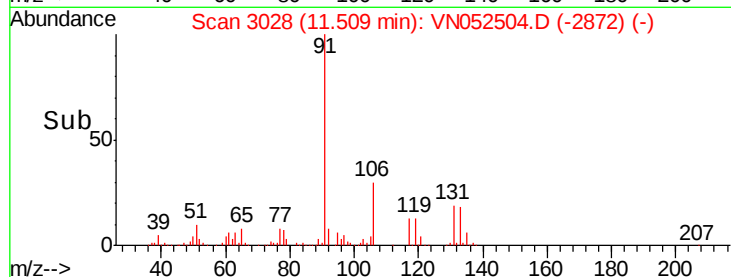
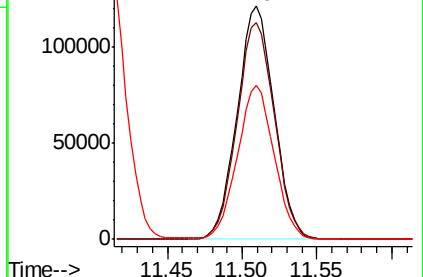
119 65.9 0.0 133.0



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: 20.176 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052504.D

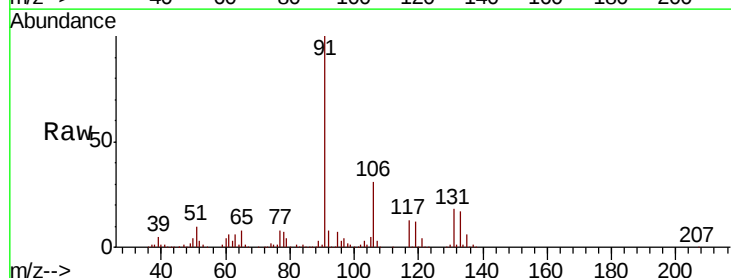
Acq: 28 Nov 2018 3:25

Tgt Ion: 91 Resp: 1044305

Ion Ratio Lower Upper

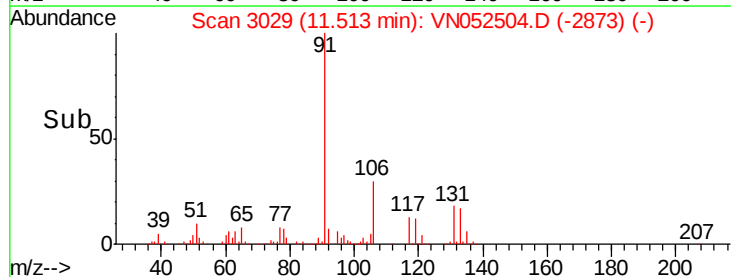
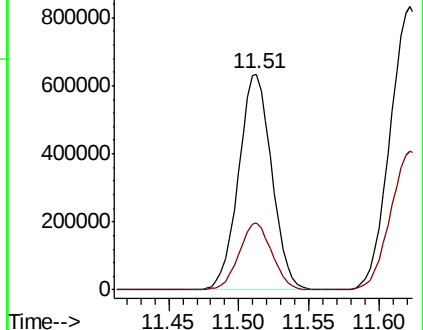
91 100

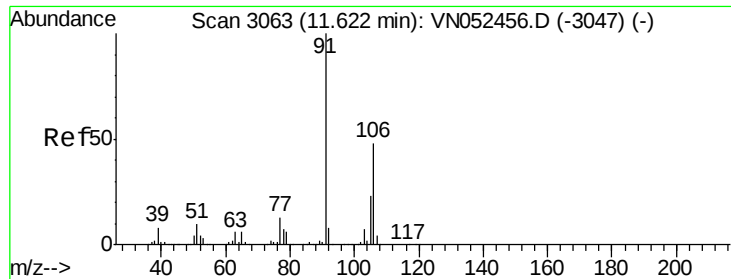
106 30.9 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

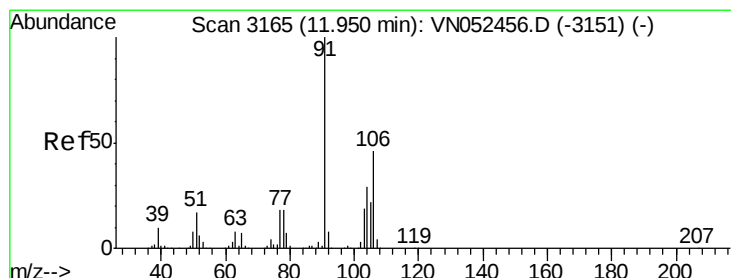
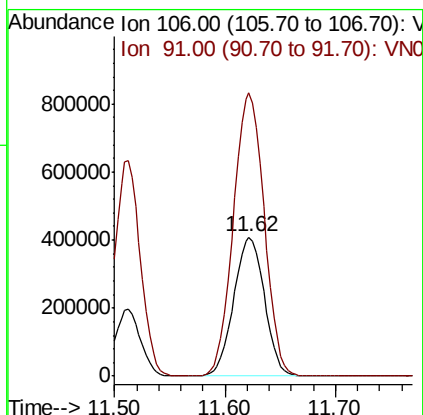
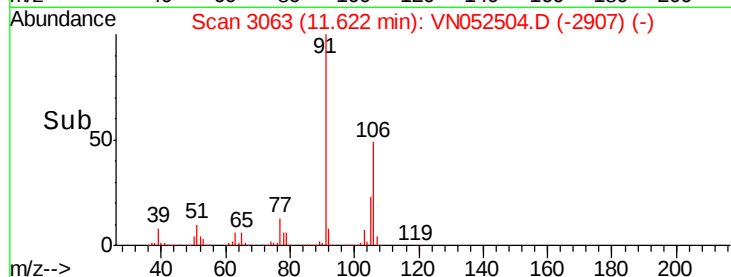
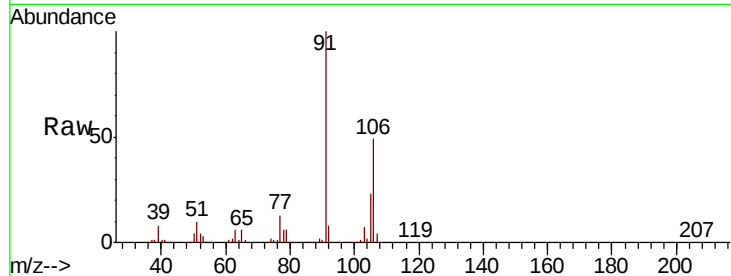




#67
m/p-Xylenes
Concen: 40.852 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

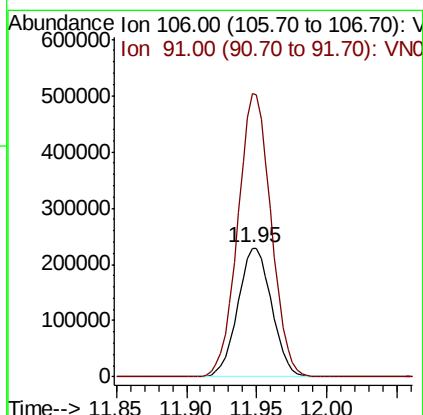
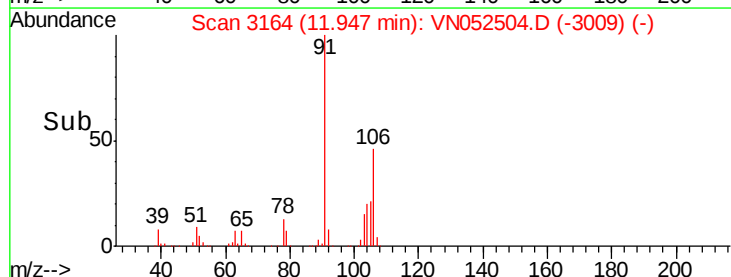
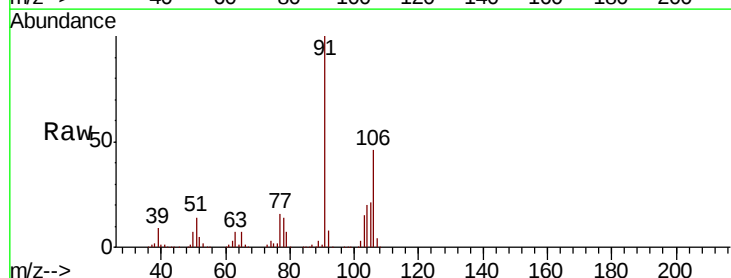
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

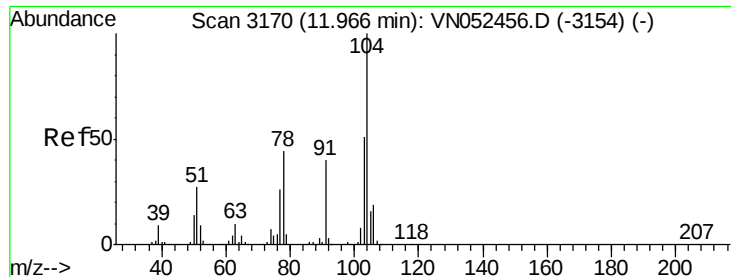
Tot Ion:106 Resp: 787738
Ion Ratio Lower Upper
106 100
91 204.5 163.9 245.9



#68
o-Xylene
Concen: 20.683 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Tgt Ion:106 Resp: 387101
Ion Ratio Lower Upper
106 100
91 215.2 107.8 323.4

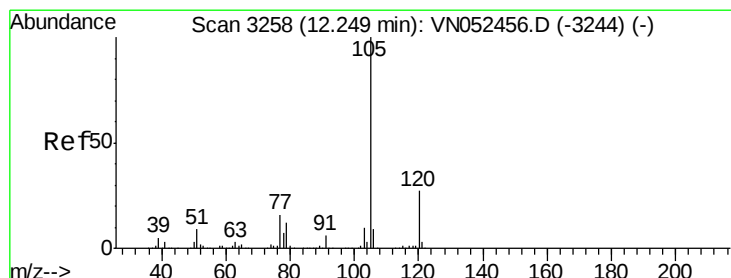
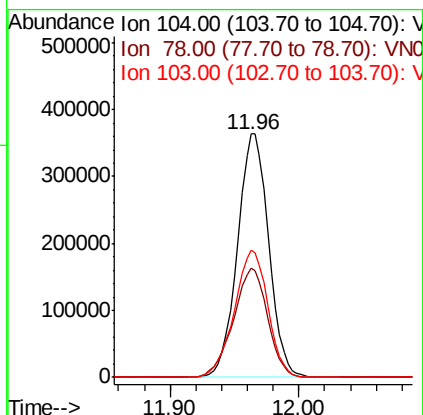
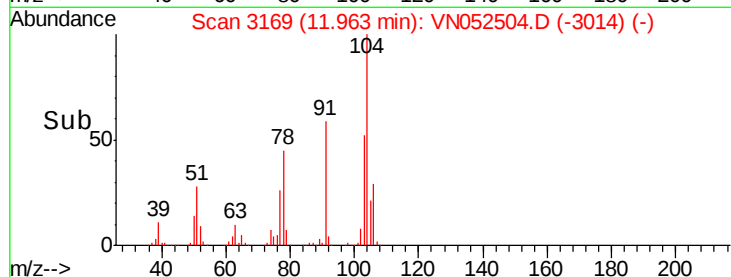
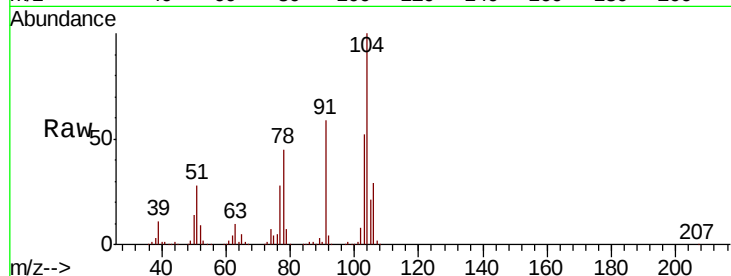




#69
Stvrene
Concen: 20.279 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

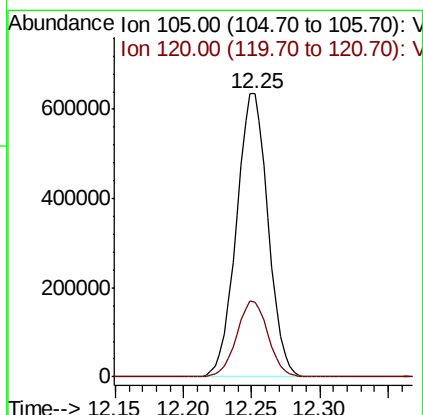
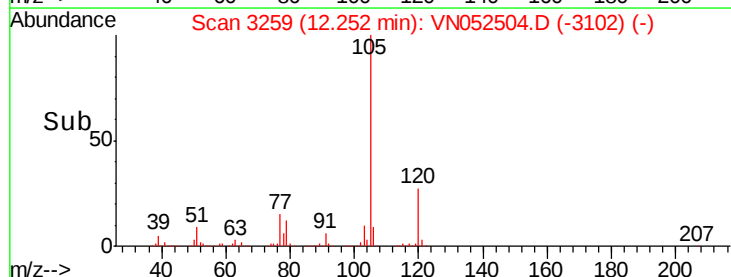
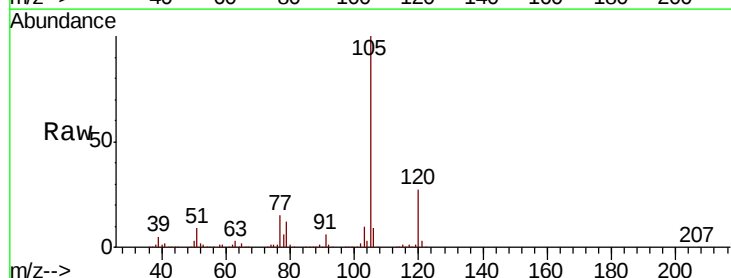
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

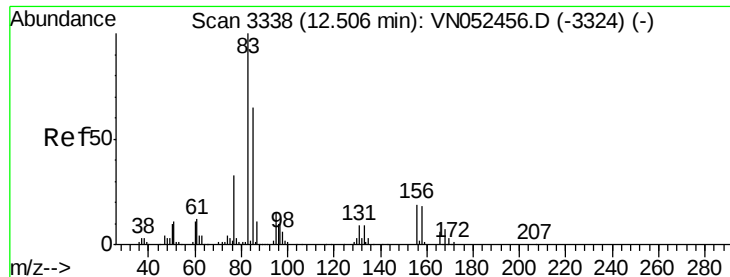
Tot Ion:104 Resp: 612608
Ion Ratio Lower Upper
104 100
78 49.0 39.3 58.9
103 56.1 44.6 66.8



#70
Isopropylbenzene
Concen: 20.505 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Tgt Ion:105 Resp: 1021109
Ion Ratio Lower Upper
105 100
120 26.7 18.6 34.6

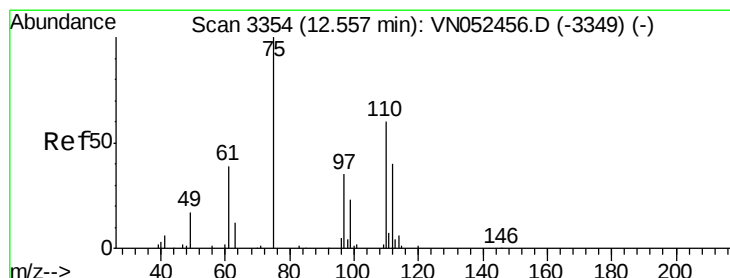
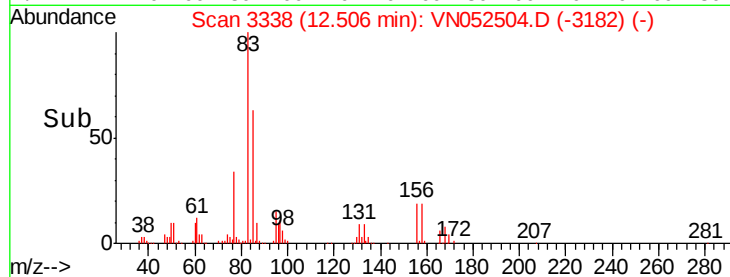
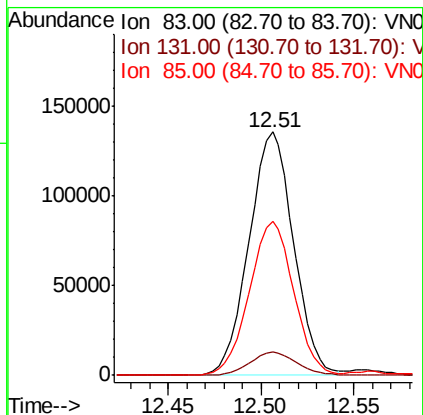
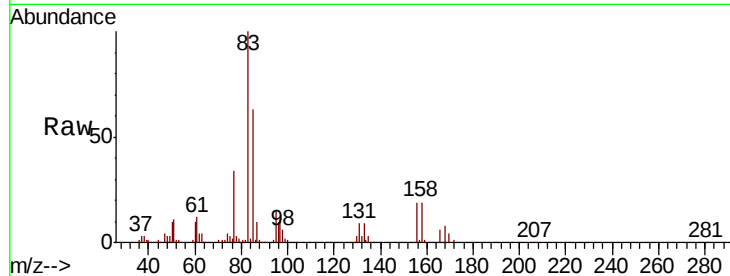




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.041 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

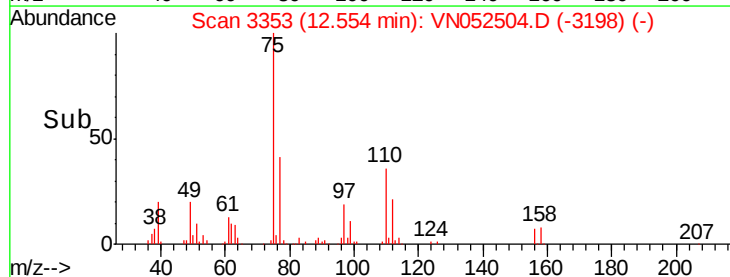
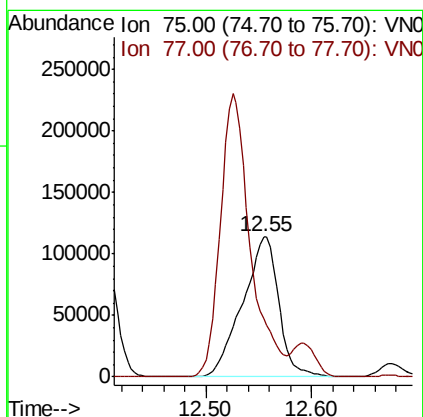
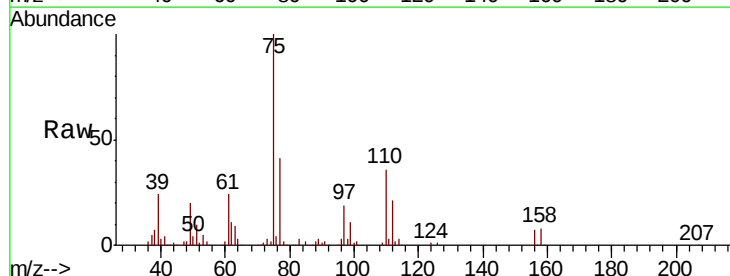
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

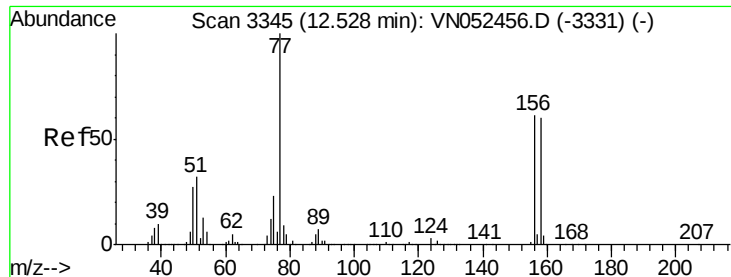
Tot Ion: 83 Resp: 227922
 Ion Ratio Lower Upper
 83 100
 131 10.1 4.9 14.6
 85 62.9 32.2 96.6



#72
 1,2,3-Trichloropropane
 Concen: 29.321 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion: 75 Resp: 272657
 Ion Ratio Lower Upper
 75 100
 77 167.0 0.0 514.8





#73

Bromobenzene

Concen: 20.559 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

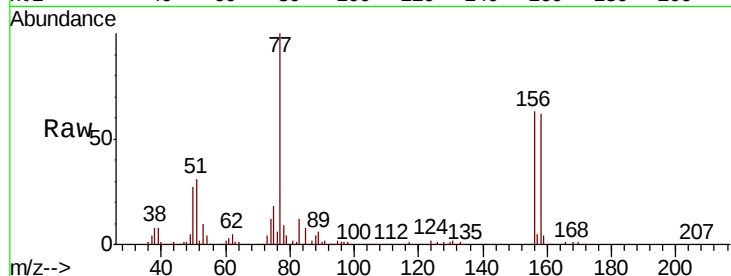
Tot Ion:156 Resp: 247605

Ion Ratio Lower Upper

156 100

77 183.9 0.0 382.6

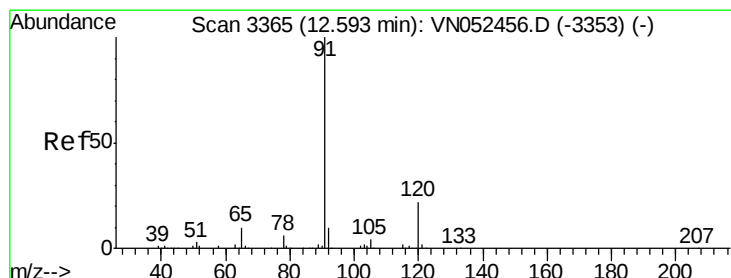
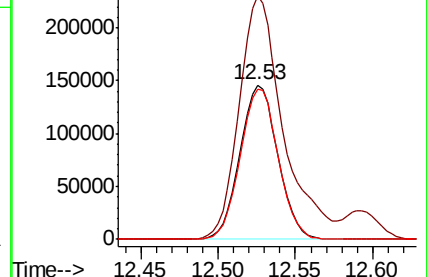
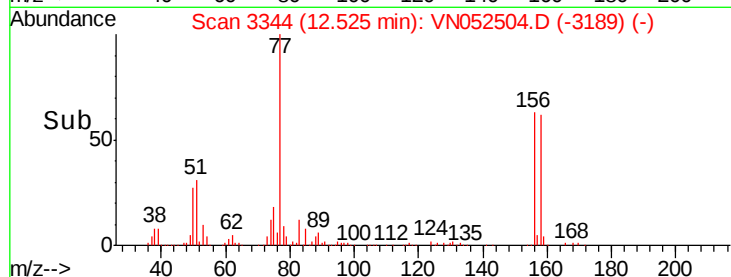
158 98.0 0.0 196.8



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: 19.717 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052504.D

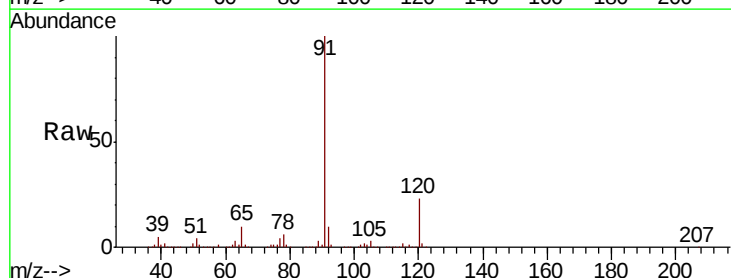
Acq: 28 Nov 2018 3:25

Tgt Ion: 91 Resp: 1144012

Ion Ratio Lower Upper

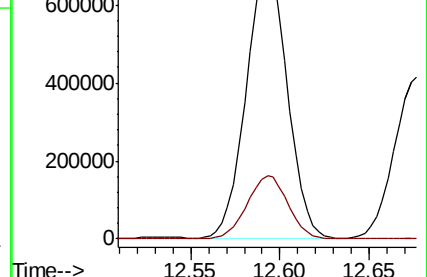
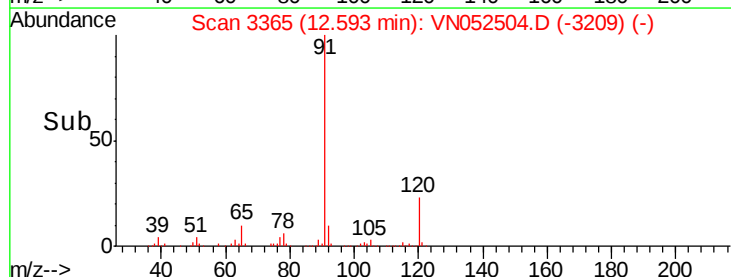
91 100

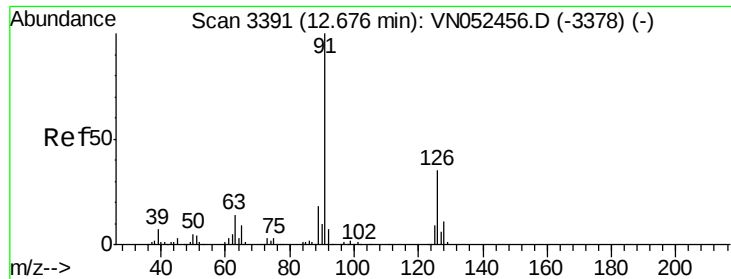
120 22.8 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.295 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

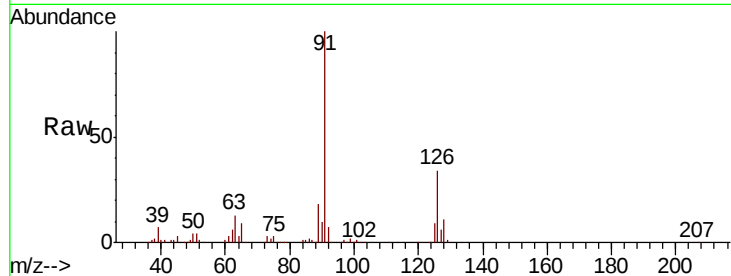
VSTDCCC020EC

Tot Ion: 91 Resp: 683486

Ion Ratio Lower Upper

91 100

126 34.1 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) (-)

800000

600000

400000

200000

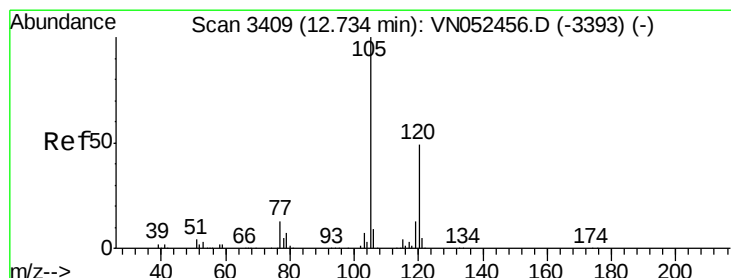
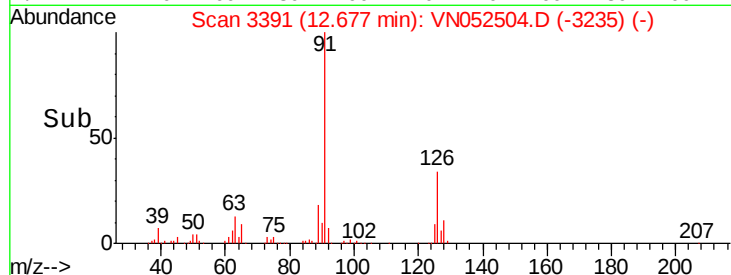
0

12.68

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.498 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052504.D

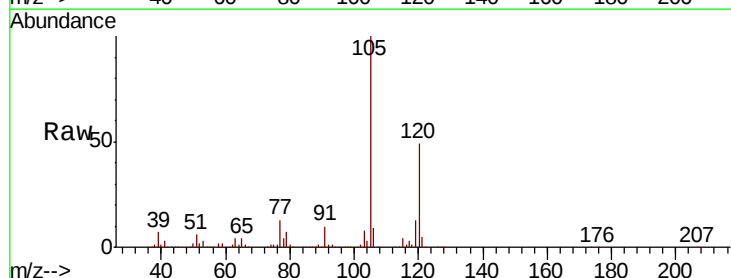
Acq: 28 Nov 2018 3:25

Tgt Ion: 105 Resp: 824446

Ion Ratio Lower Upper

105 100

120 48.8 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) (-)

600000

500000

400000

300000

200000

100000

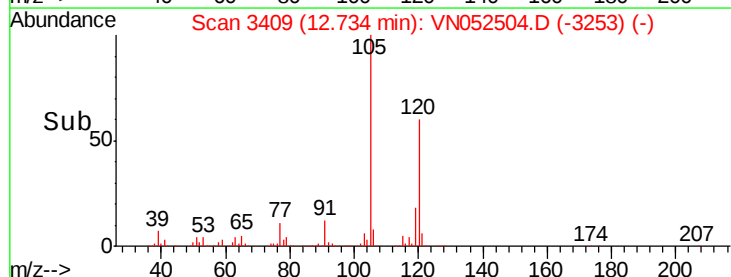
0

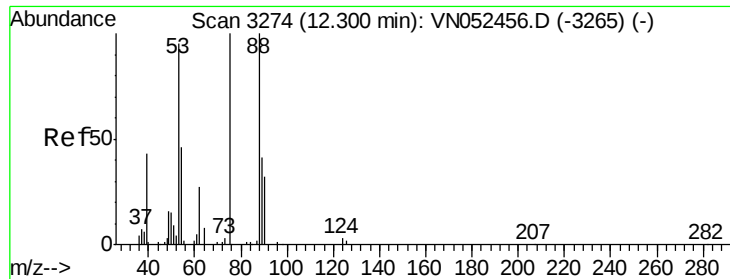
12.73

12.70

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.455 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

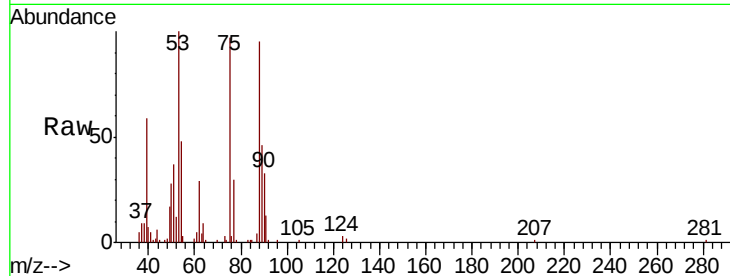
Tot Ion: 75 Resp: 51274

Ion Ratio Lower Upper

75 100

53 102.7 48.5 145.6

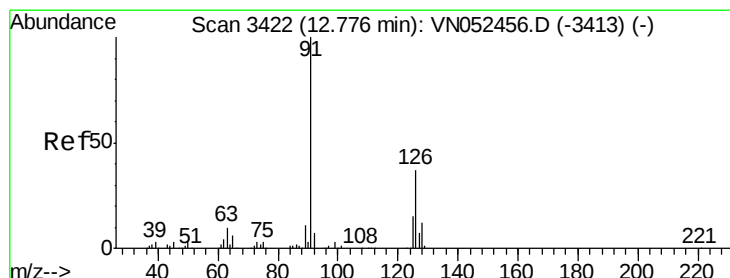
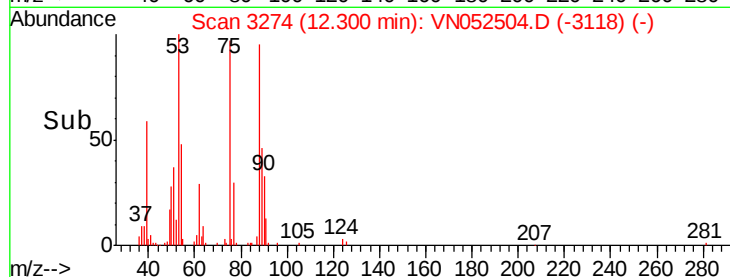
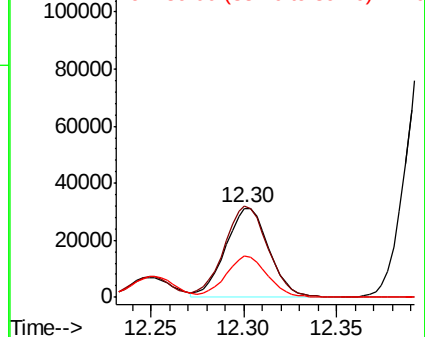
89 47.3 21.7 65.1



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: 20.279 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052504.D

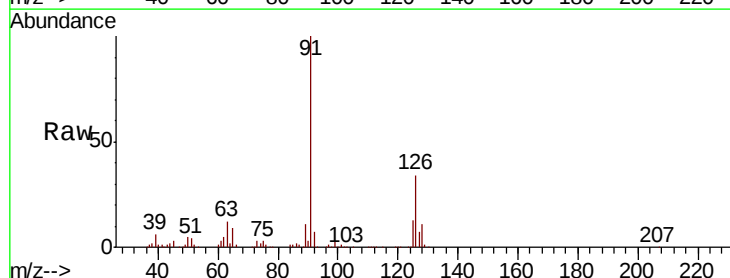
Acq: 28 Nov 2018 3:25

Tgt Ion: 91 Resp: 682036

Ion Ratio Lower Upper

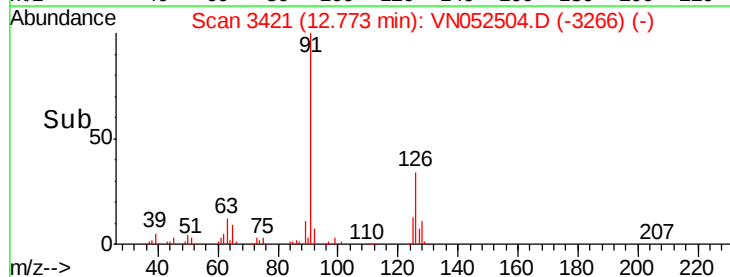
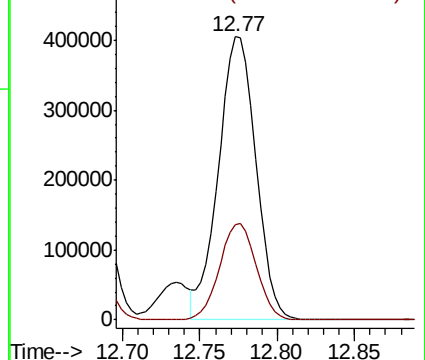
91 100

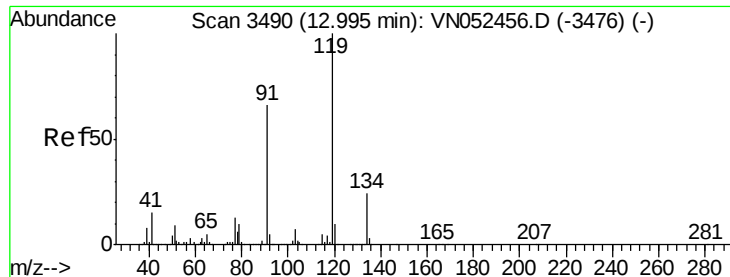
126 33.4 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 20.807 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052504.D

Acq: 28 Nov 2018 3:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

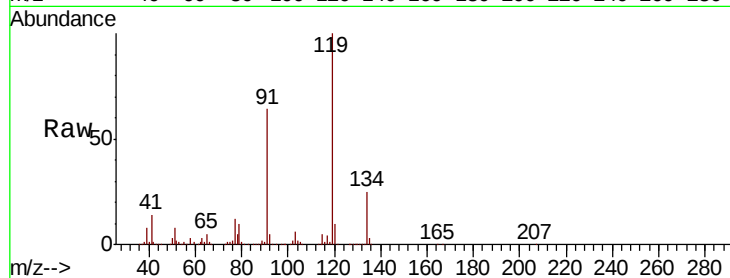
Tot Ion:119 Resp: 728835

Ion Ratio Lower Upper

119 100

91 64.0 0.0 129.8

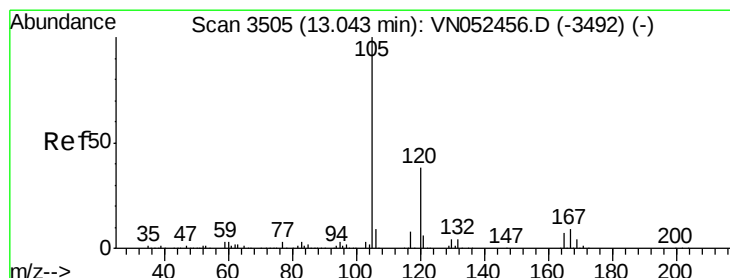
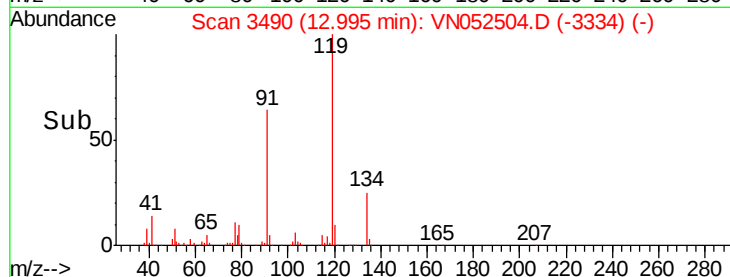
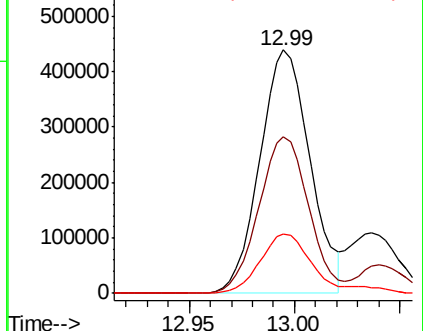
134 24.6 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.485 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052504.D

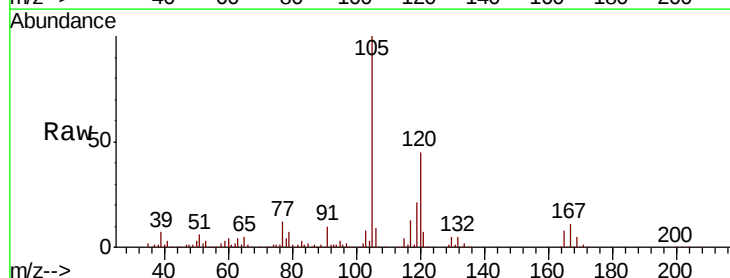
Acq: 28 Nov 2018 3:25

Tgt Ion:105 Resp: 824447

Ion Ratio Lower Upper

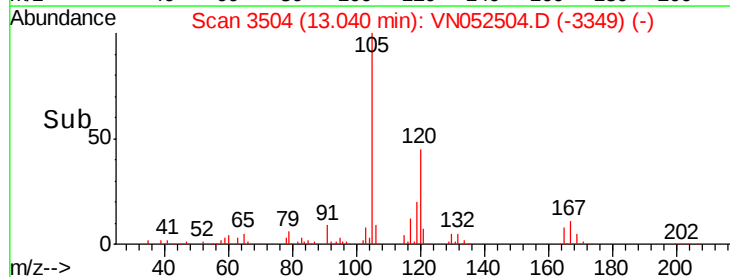
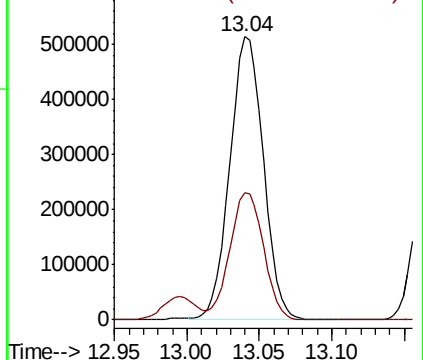
105 100

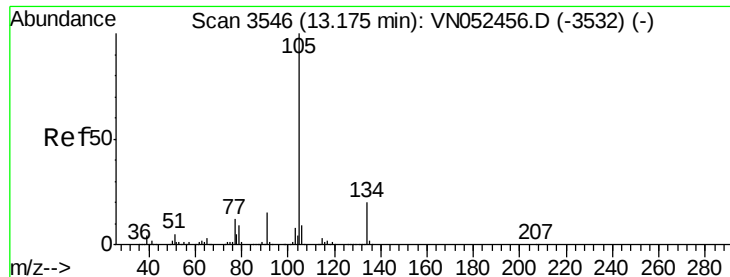
120 45.3 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

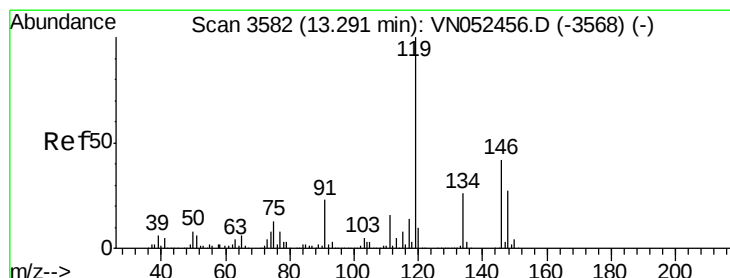
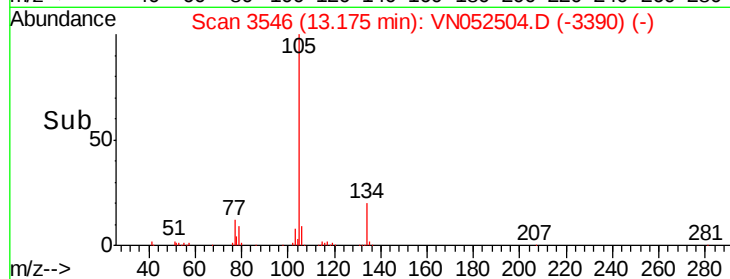
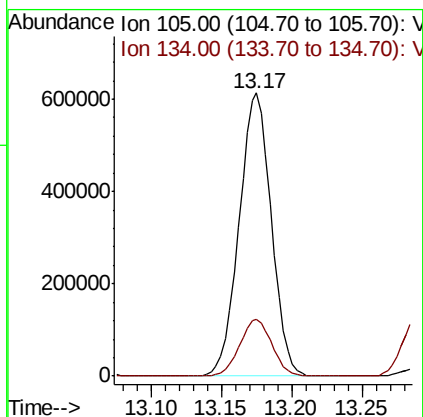
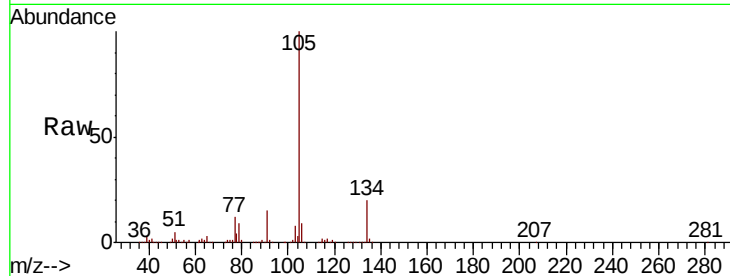




#81
 sec-Butylbenzene
 Concen: 20.051 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

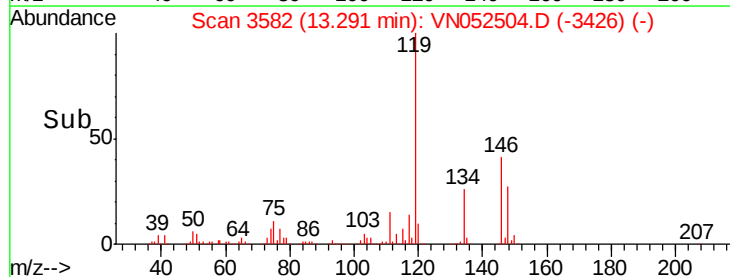
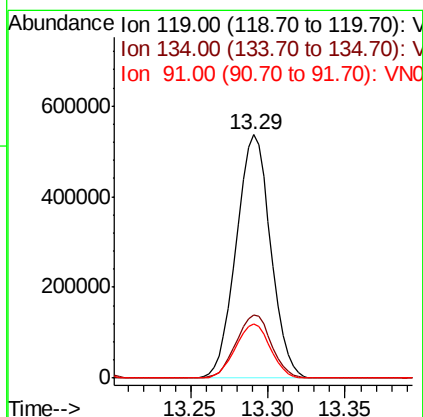
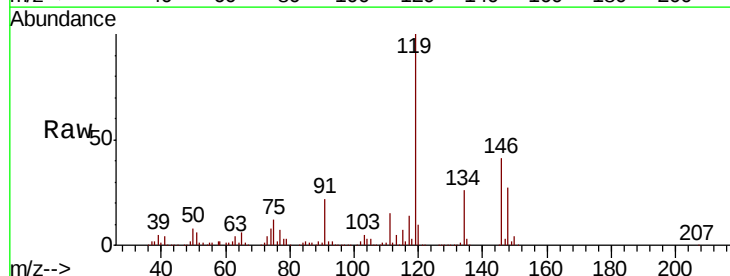
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

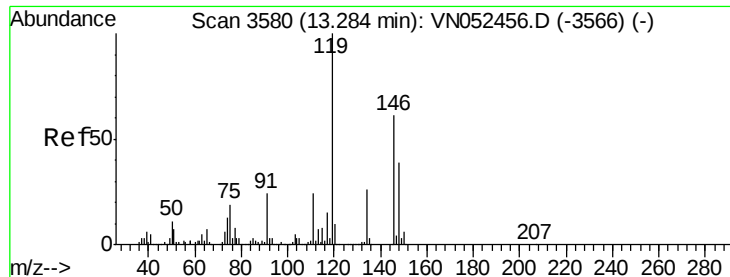
Tot Ion:105 Resp: 978282
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 19.982 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion:119 Resp: 830155
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 52.6
 91 22.6 0.0 46.2

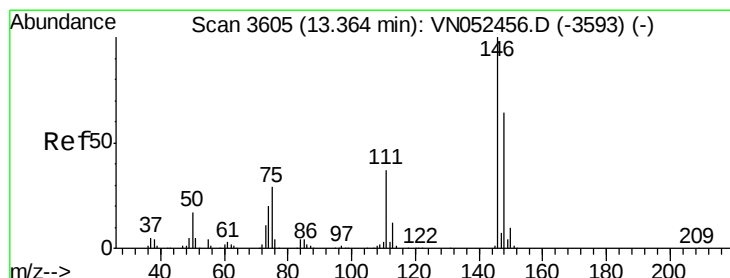
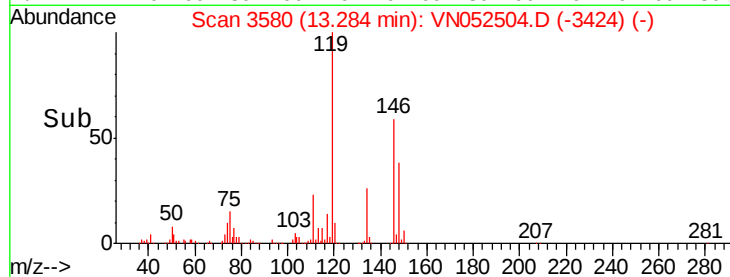
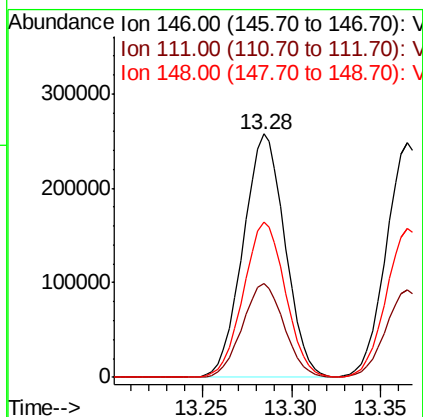
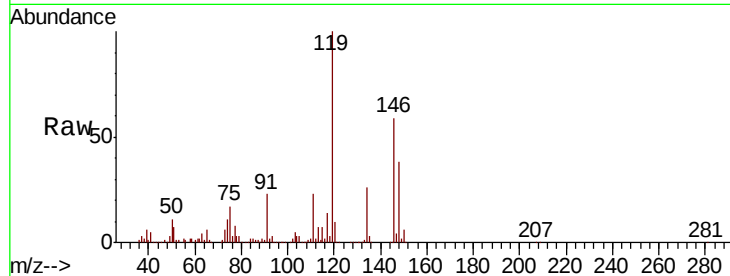




#83
 1,3-Dichlorobenzene
 Concen: 20.002 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

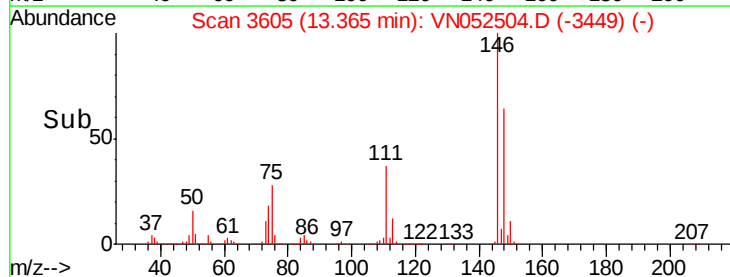
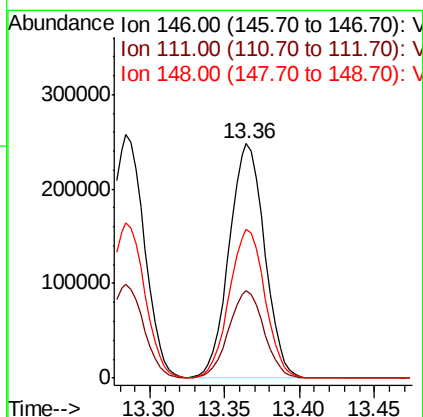
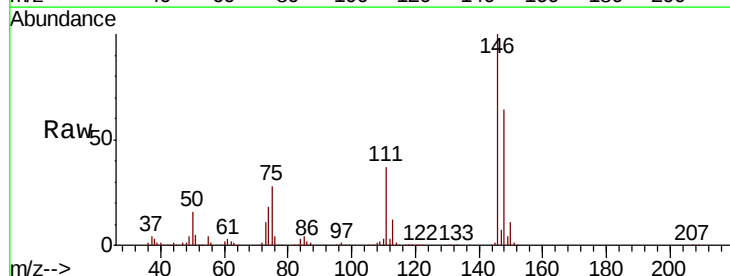
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

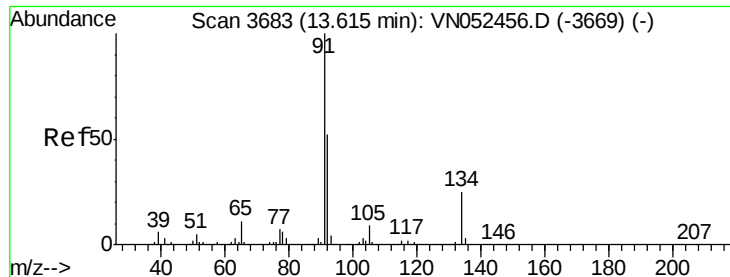
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.7	59.0
148	63.9	32.3	96.8



#84
 1,4-Dichlorobenzene
 Concen: 20.007 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.3
148	63.8	32.5	97.4

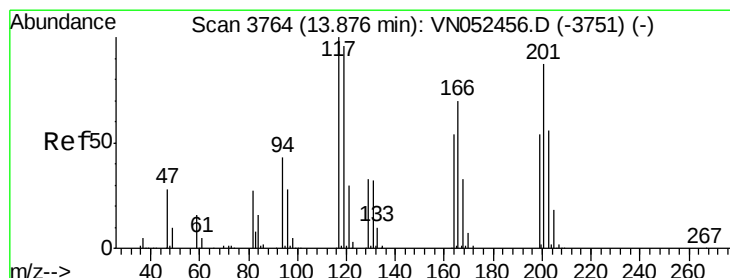
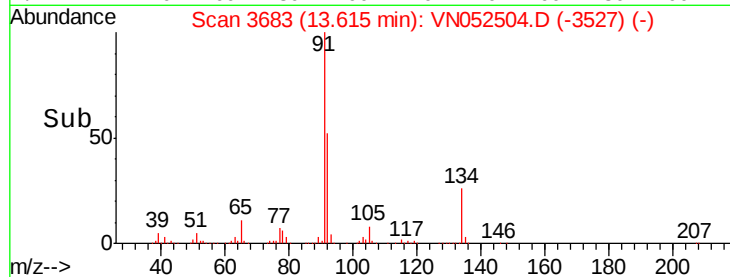
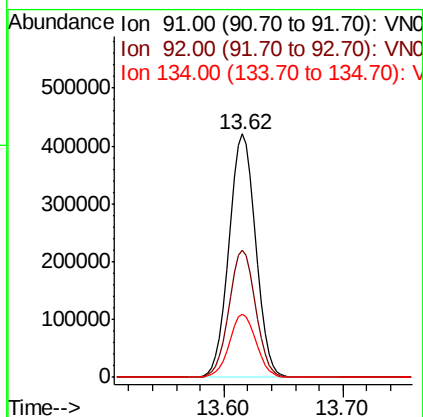
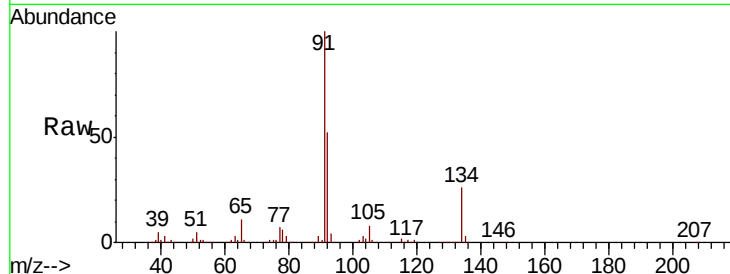




#85
n-Butylbenzene
Concen: 18.298 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

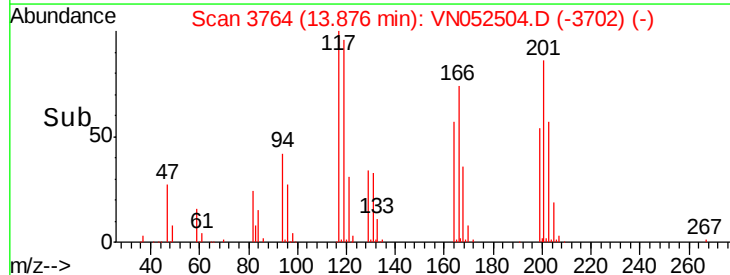
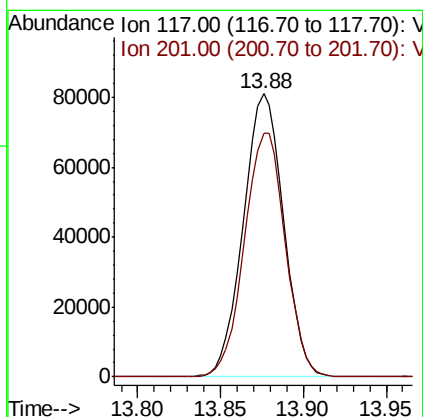
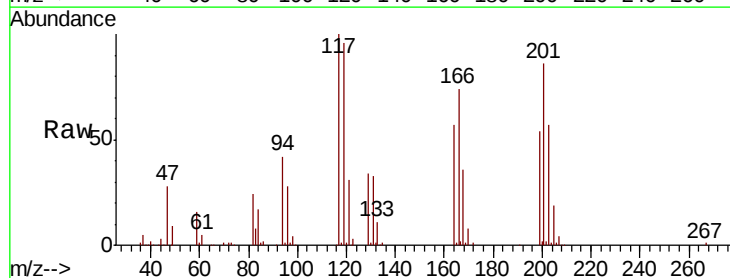
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

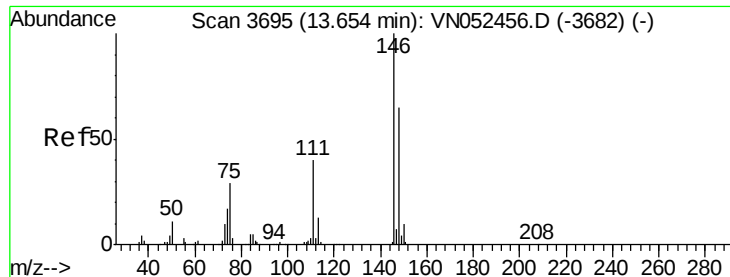
Tot Ion: 91 Resp: 652992
Ion Ratio Lower Upper
91 100
92 52.2 0.0 104.2
134 26.1 0.0 50.6



#86
Hexachloroethane
Concen: 19.428 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Tgt Ion: 117 Resp: 136762
Ion Ratio Lower Upper
117 100
201 87.4 43.8 131.3

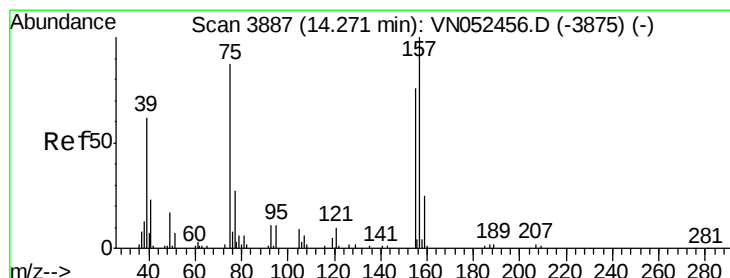
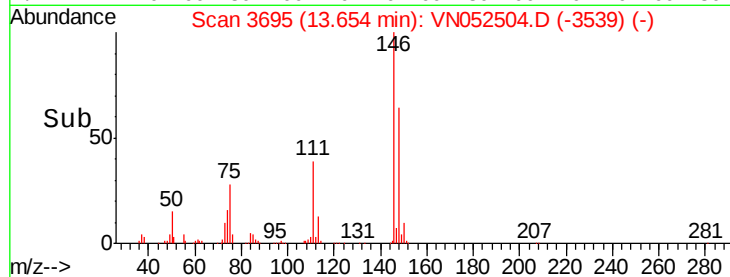
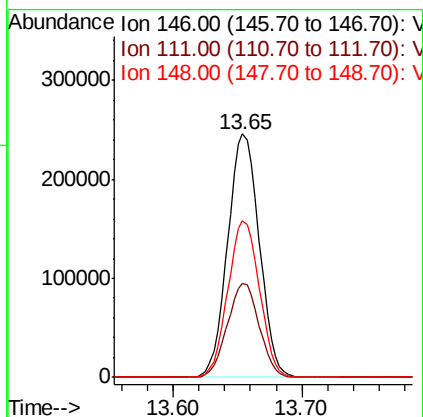
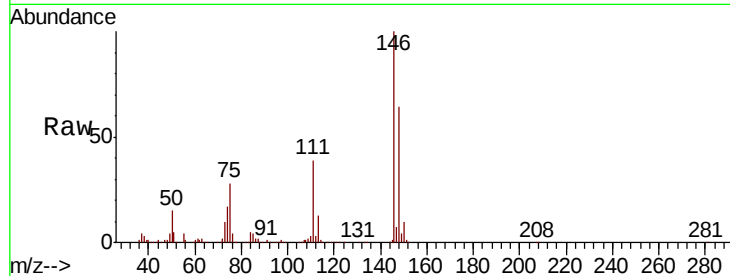




#87
 1,2-Dichlorobenzene
 Concen: 20.725 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

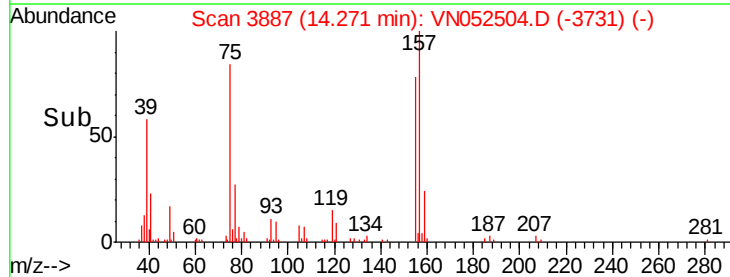
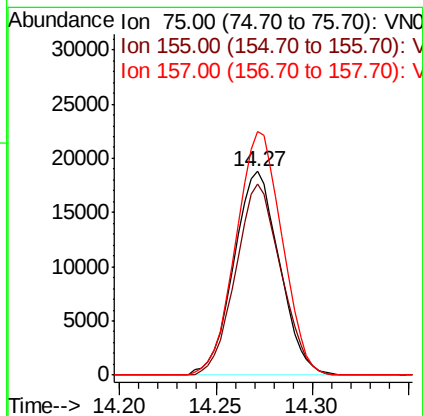
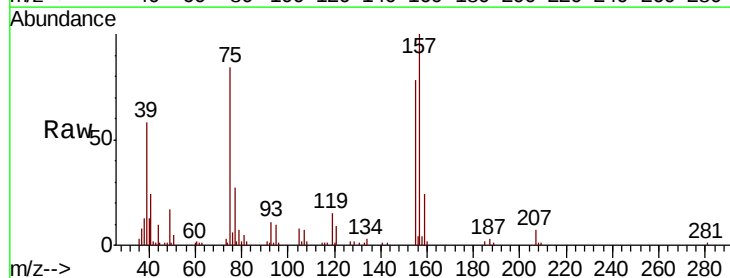
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

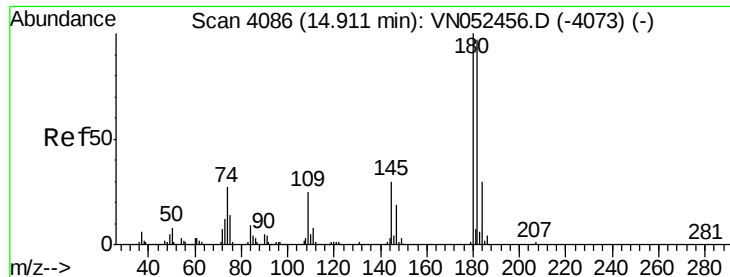
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.3	60.8
148	64.3	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.341 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	72.2	108.2
157	120.8	94.2	141.2

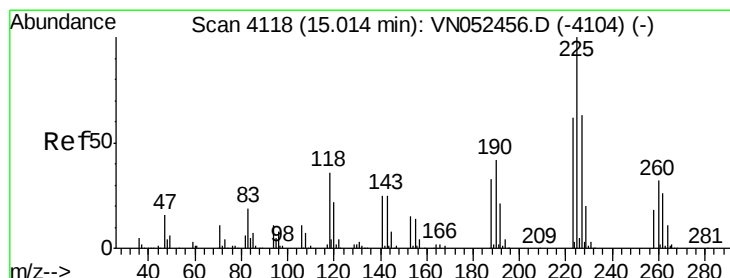
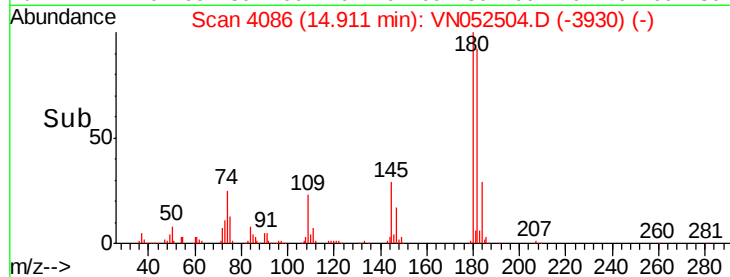
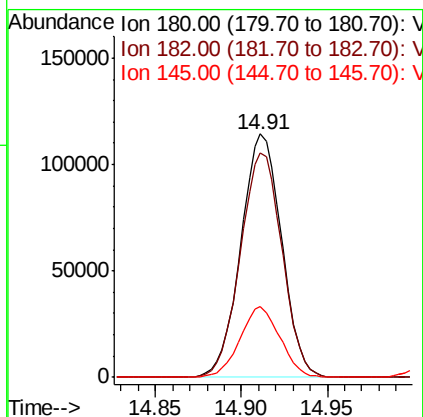
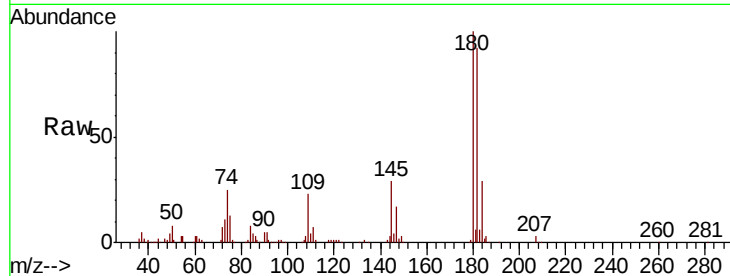




#89
 1,2,4-Trichlorobenzene
 Concen: 18.909 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

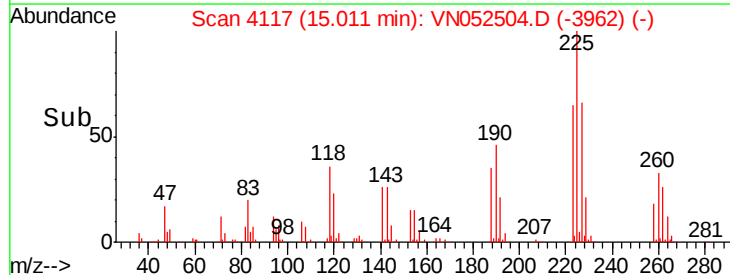
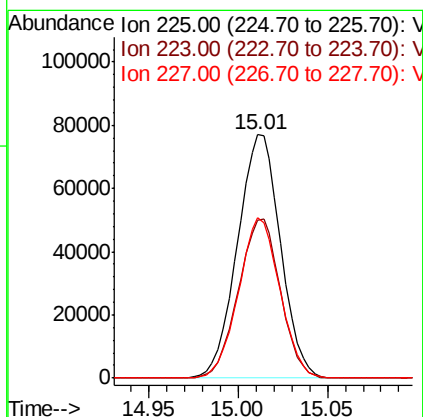
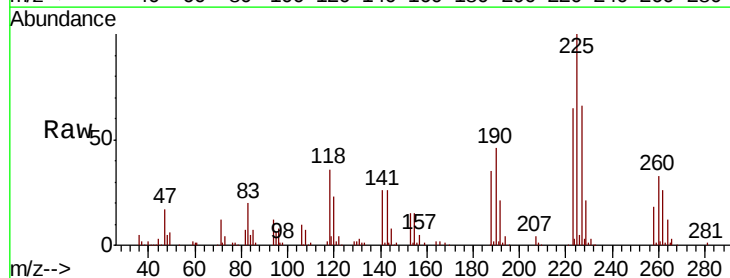
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

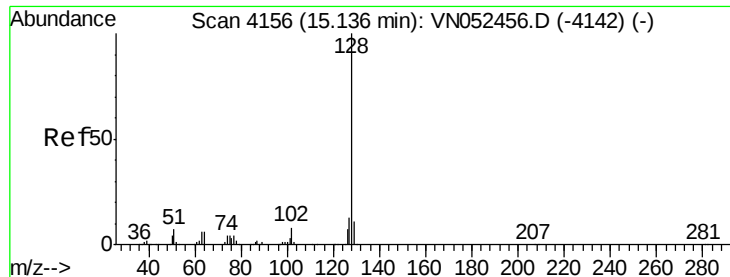
Tot Ion:180 Resp: 187784
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.6 114.8
 145 28.6 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 19.905 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052504.D
 Acq: 28 Nov 2018 3:25

Tgt Ion:225 Resp: 129674
 Ion Ratio Lower Upper
 225 100
 223 64.0 0.0 125.6
 227 63.2 0.0 127.8

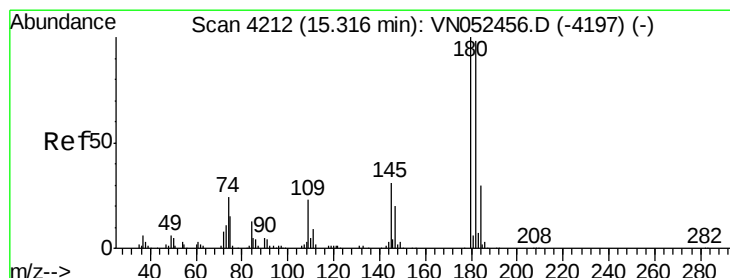
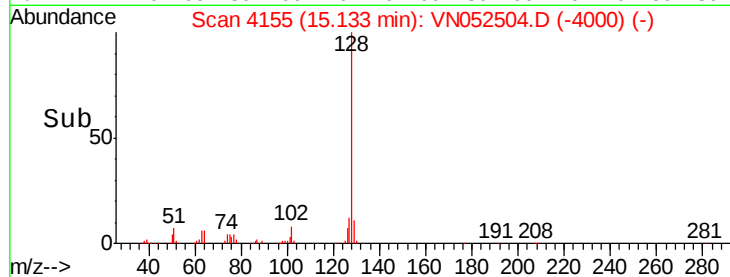
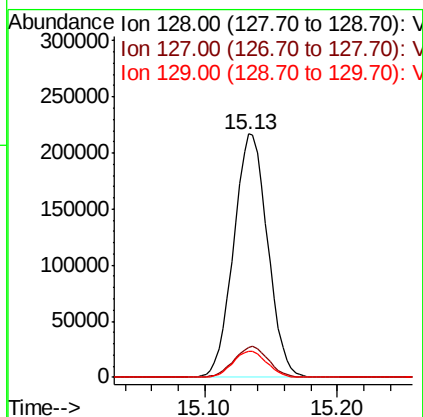
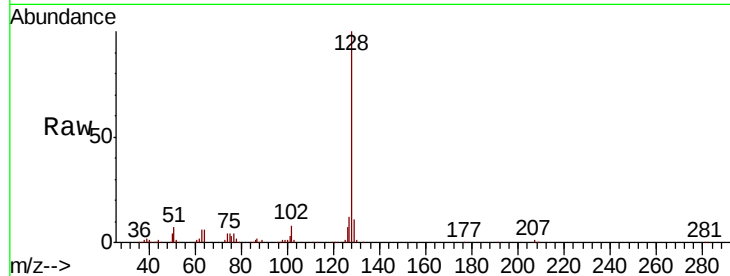




#91
Naphthalene
Concen: 19.207 ug/l
RT: 15.13 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 385200
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 10.7 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 19.507 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052504.D
Acq: 28 Nov 2018 3:25

Tgt Ion:180 Resp: 178527
Ion Ratio Lower Upper
180 100
182 96.6 0.0 196.2
145 30.9 0.0 62.2

