

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122118\
 Data File : VN053097.D
 Acq On : 21 Dec 2018 11:38
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Dec 22 00:55:57 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	167738	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	991320	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	875183	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325137	28.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.83%
60) 4-Bromofluorobenzene	12.40	95	408769	30.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.83%
63) Toluene-d8	10.09	98	1154633	28.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	171354	17.937	ug/l 100
3) Chloromethane	2.06	50	228429	18.030	ug/l 99
4) Vinyl Chloride	2.19	62	236614	18.504	ug/l 97
5) Bromomethane	2.58	94	152595	20.929	ug/l 99
6) Chloroethane	2.71	64	147481	19.394	ug/l 100
7) Trichlorofluoromethane	3.02	101	305965	19.387	ug/l 99
8) Diethyl Ether	3.41	74	127349	21.854	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.77	101	196596	19.651	ug/l 96
10) 1,1-Dichloroethene	3.74	96	190376	20.239	ug/l 96
11) Methyl Iodide	3.96	142	249458	19.101	ug/l 98
12) Methyl Acetate	4.33	43	190476	23.833	ug/l 97
13) Acrolein	3.61	56	86288	91.911	ug/l 99
14) Acrylonitrile	4.99	53	395398	116.110	ug/l 97
15) Acetone	3.82	58	84173	95.444	ug/l 94
16) Carbon Disulfide	4.06	76	527525	17.714	ug/l 100
17) Allyl chloride	4.33	41	318721	19.429	ug/l 99
18) Methylene Chloride	4.56	84	227567	20.895	ug/l 91
19) trans-1,2-Dichloroethene	5.05	96	205381	20.289	ug/l 92
20) Diisopropyl ether	5.95	45	697156	20.223	ug/l 98
21) 1,1-Dichloroethane	5.85	63	394891	20.098	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	245014	21.119	ug/l 96
23) tert-Butyl Alcohol	4.78	59	77024	152.047	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	575600	23.326	ug/l 95
25) Chloroform	7.37	83	392388	20.701	ug/l 98
26) Cyclohexane	7.66	56	340082	18.352	ug/l # 96
29) 1,1-Dichloropropene	7.80	75	296095	19.559	ug/l 98
30) 2-Butanone	6.84	43	447550	110.484	ug/l 97
31) 2,2-Dichloropropane	6.83	77	292872	21.014	ug/l 99
32) 1,1,1-Trichloroethane	7.58	97	325778	20.682	ug/l 96
33) Carbon Tetrachloride	7.78	117	277229	20.114	ug/l 97
34) Benzene	8.05	78	920193	20.217	ug/l 96
35) Methacrylonitrile	7.18	41	106230	21.137	ug/l 95
36) 1,2-Dichloroethane	8.13	62	278806	20.215	ug/l 98
37) Trichloroethene	8.84	130	248966	21.572	ug/l 97
38) Methylcyclohexane	9.08	83	340204	18.154	ug/l 96
39) 1,2-Dichloropropane	9.12	63	244203	20.016	ug/l 100
40) Dibromomethane	9.21	93	143516	21.768	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	296046	20.324	ug/l	98
42) Vinyl Acetate	5.90	43	2163328	98.704	ug/l	97
43) Ethyl Acetate	6.93	43	200740	23.305	ug/l #	69
44) Isopropyl Acetate	8.17	43	373555	24.728	ug/l	99
45) 1,4-Dioxane	9.20	88	46010	556.733	ug/l	93
46) Methyl methacrylate	9.20	41	179309	22.861	ug/l	96
47) n-amyl Acetate	12.07	43	320189	25.563	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	304208	21.539	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	356281	20.705	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	208040	22.261	ug/l	99
51) Ethyl methacrylate	10.43	69	284307	24.222	ug/l	92
52) 1,3-Dichloropropane	10.71	76	356073	21.405	ug/l	100
53) Dibromochloromethane	10.90	129	227655	22.126	ug/l	99
54) 1,2-Dibromoethane	11.01	107	212663	23.287	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	755069	109.898	ug/l	98
56) Bromoform	12.13	173	156641	23.291	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	1020387	120.262	ug/l	97
59) 2-Hexanone	10.75	43	700860	120.921	ug/l	96
61) Tetrachloroethene	10.63	164	267604	24.827	ug/l	95
62) Toluene	10.16	91	989836	20.516	ug/l	99
64) Chlorobenzene	11.44	112	628299	21.336	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	219813	21.505	ug/l	99
66) Ethyl Benzene	11.51	91	1081447	20.798	ug/l	98
67) m/p-Xylenes	11.62	106	816281	42.137	ug/l	98
68) o-Xylene	11.95	106	402420	21.402	ug/l	99
69) Styrene	11.97	104	653656	21.538	ug/l	99
70) Isopropylbenzene	12.25	105	1060088	21.190	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	248713	22.854	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	320599	34.318	ug/l	42
73) Bromobenzene	12.53	156	272633	22.532	ug/l	95
74) n-propylbenzene	12.59	91	1184530	20.321	ug/l	99
75) 2-Chlorotoluene	12.68	91	714546	21.119	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	837150	20.717	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	69460	23.537	ug/l	98
78) 4-Chlorotoluene	12.77	91	713762	21.125	ug/l	100
79) tert-butylbenzene	12.99	119	745701	21.190	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	841911	20.822	ug/l	100
81) sec-Butylbenzene	13.17	105	976500	19.922	ug/l	100
82) p-Isopropyltoluene	13.29	119	842521	20.186	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	459972	21.615	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	448267	21.803	ug/l	99
85) n-Butylbenzene	13.62	91	655141	18.274	ug/l	98
86) Hexachloroethane	13.88	117	130719	18.484	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	441794	21.816	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	34784	22.818	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	212273	21.276	ug/l	99
90) Hexachlorobutadiene	15.01	225	131392	20.076	ug/l	99
91) Naphthalene	15.13	128	489908	24.316	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	198008	21.536	ug/l	100

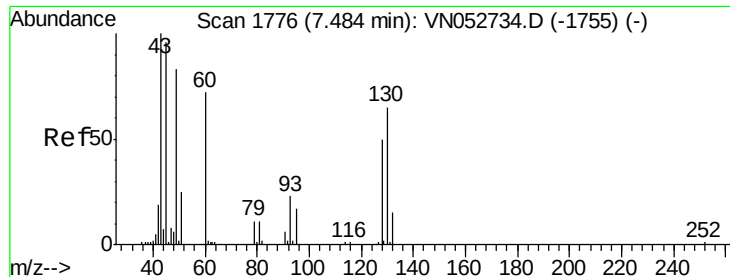
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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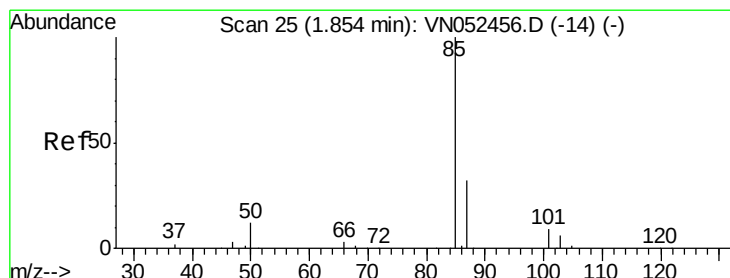
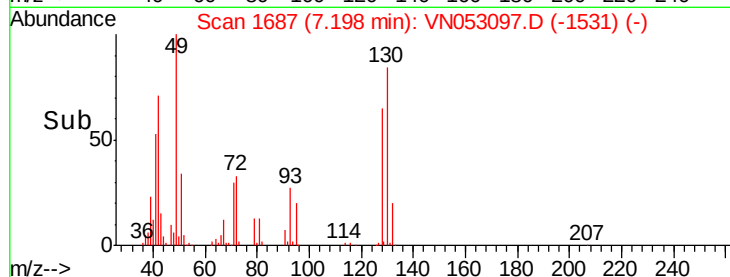
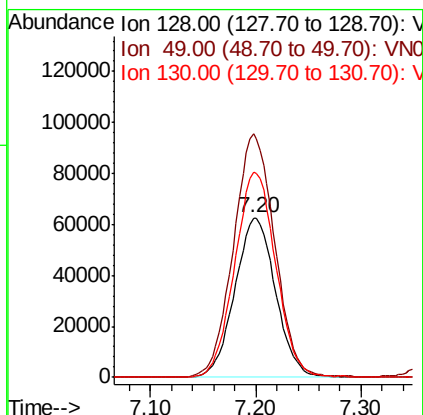
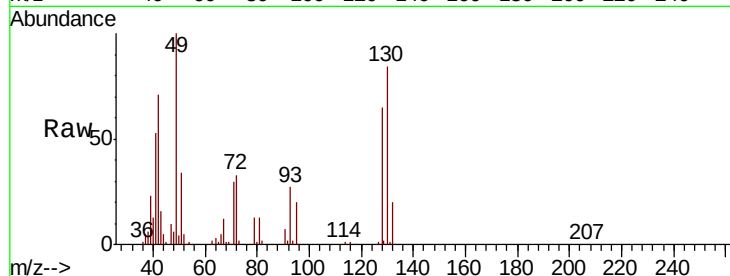
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

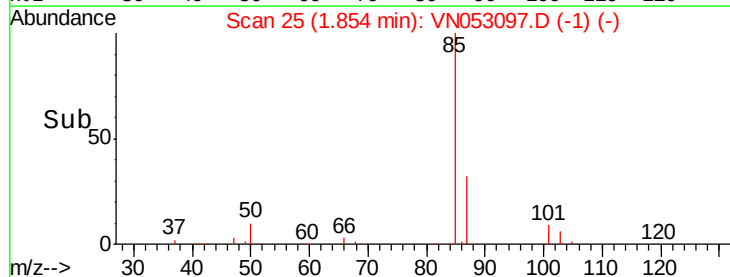
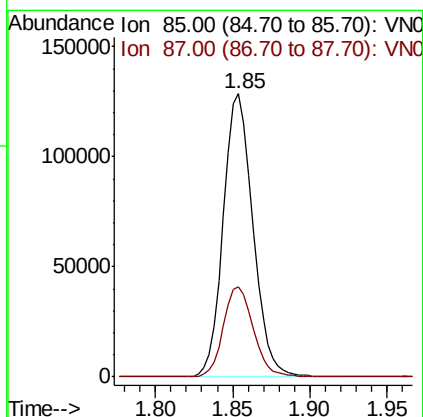
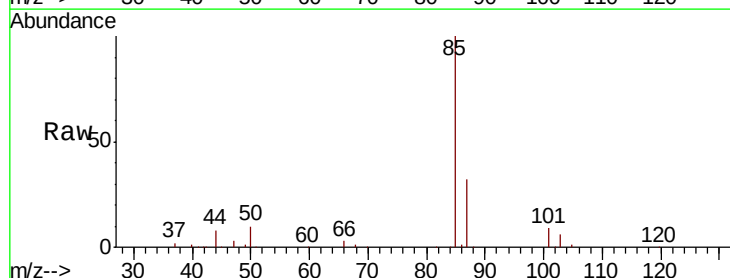
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

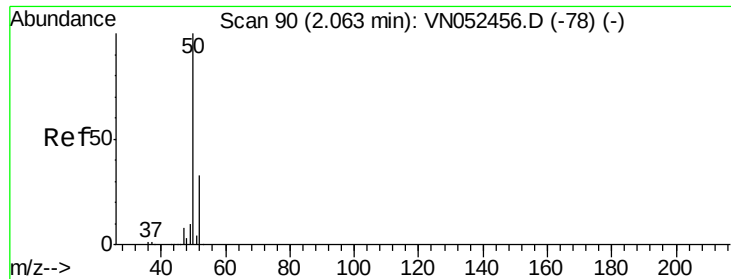
Tot Ion:128 Resp: 167738
Ion Ratio Lower Upper
128 100
49 154.8 0.0 431.8
130 129.8 0.0 317.0



#2
Dichlorodifluoromethane
Concen: 17.937 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Tgt Ion: 85 Resp: 171354
Ion Ratio Lower Upper
85 100
87 32.0 16.1 48.3





#3

Chloromethane

Concen: 18.030 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

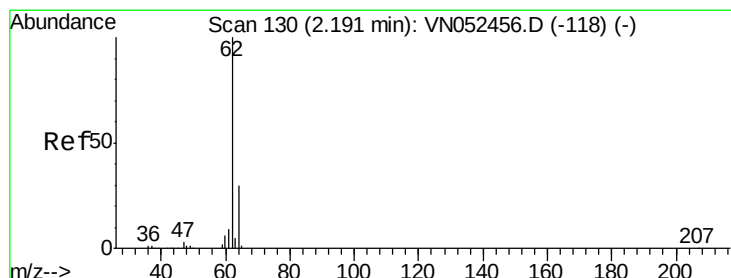
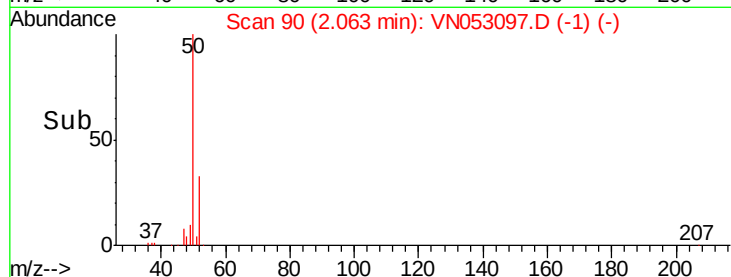
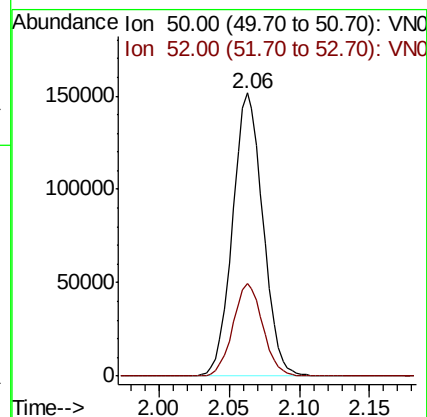
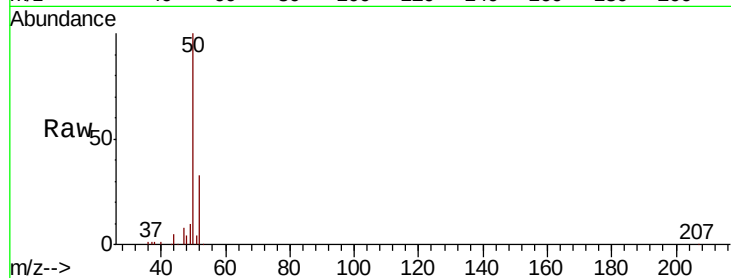
VSTDCCC020EC

Tot Ion: 50 Resp: 228429

Ion Ratio Lower Upper

50 100

52 32.6 26.5 39.7



#4

Vinyl Chloride

Concen: 18.504 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053097.D

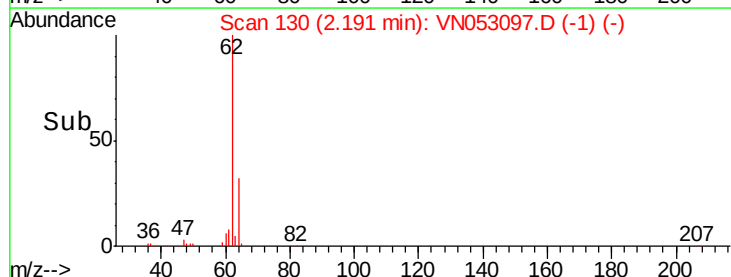
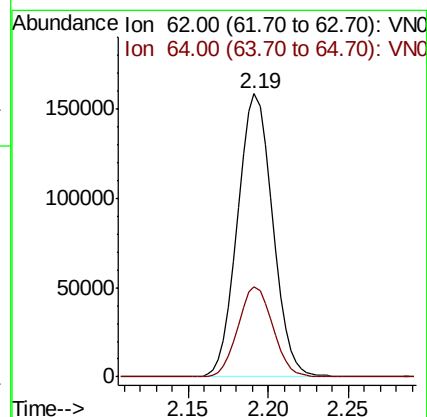
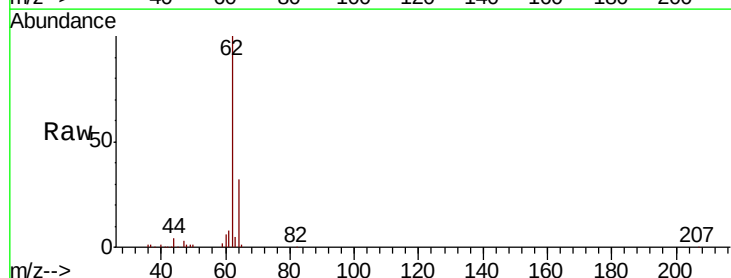
Acq: 21 Dec 2018 11:38

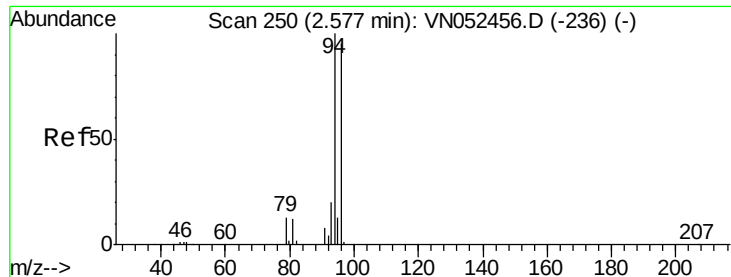
Tgt Ion: 62 Resp: 236614

Ion Ratio Lower Upper

62 100

64 32.0 24.2 36.4





#5

Bromomethane

Concen: 20.929 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

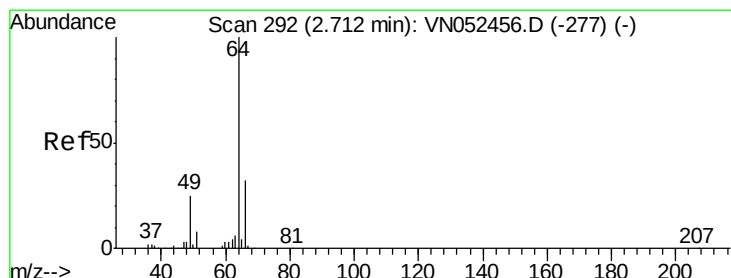
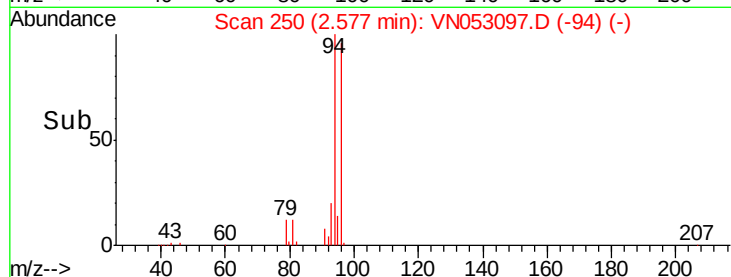
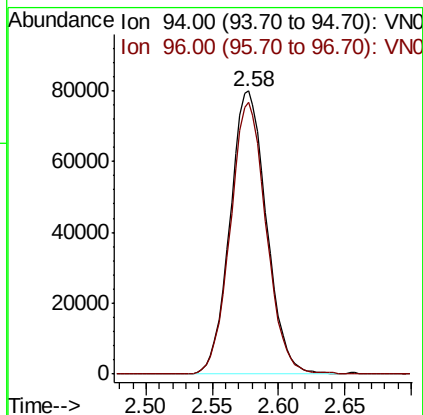
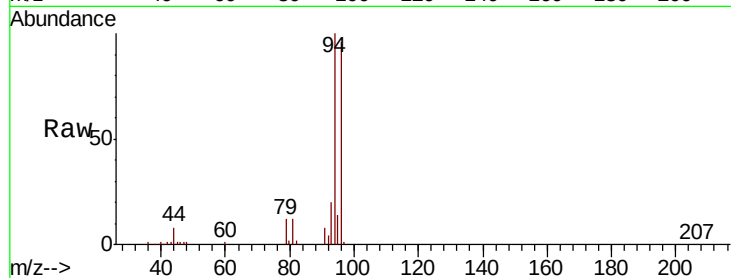
VSTDCCC020EC

Tot Ion: 94 Resp: 152595

Ion Ratio Lower Upper

94 100

96 96.2 76.2 114.2



#6

Chloroethane

Concen: 19.394 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053097.D

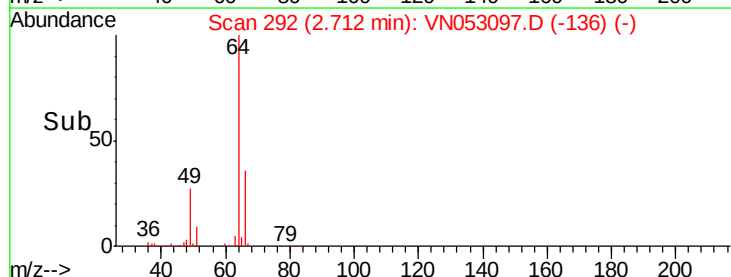
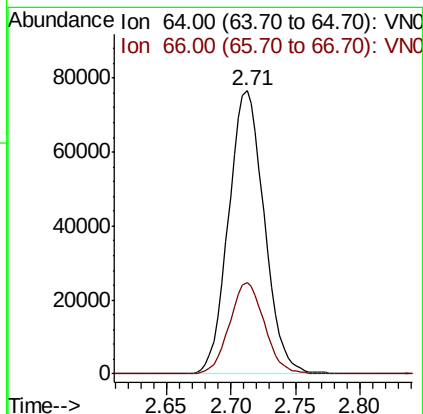
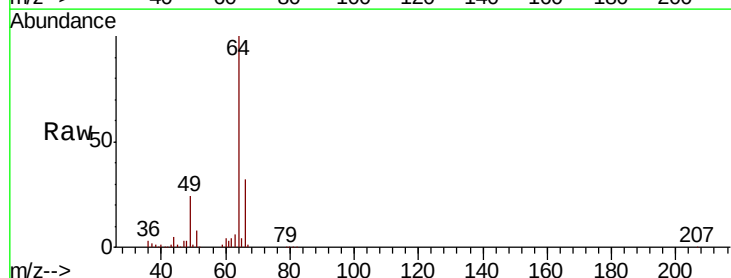
Acq: 21 Dec 2018 11:38

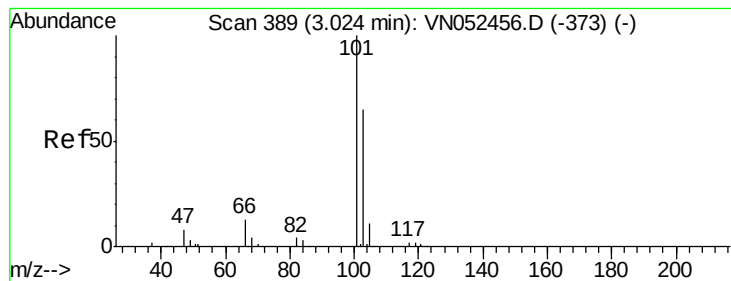
Tgt Ion: 64 Resp: 147481

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4



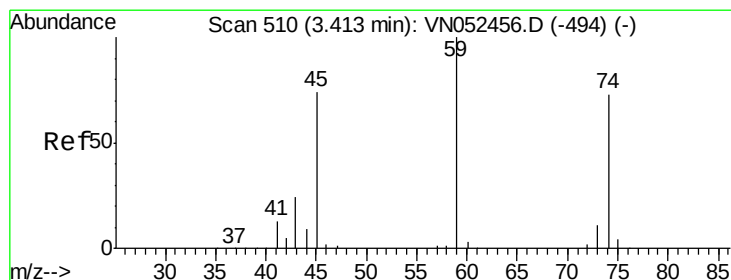
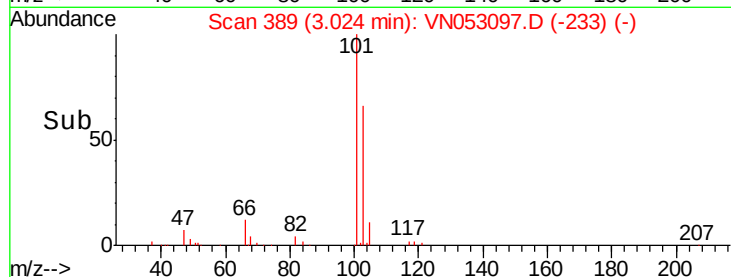
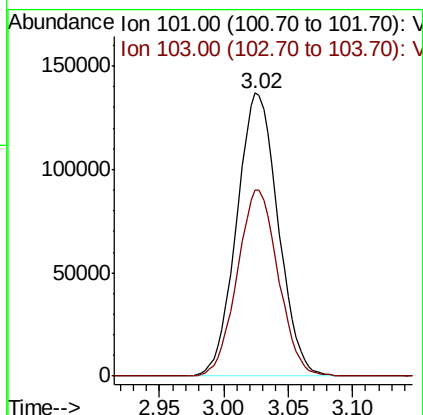
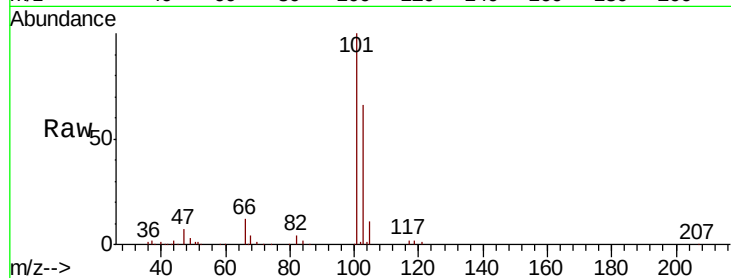


#7

Trichlorofluoromethane
Concen: 19.387 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053097.D
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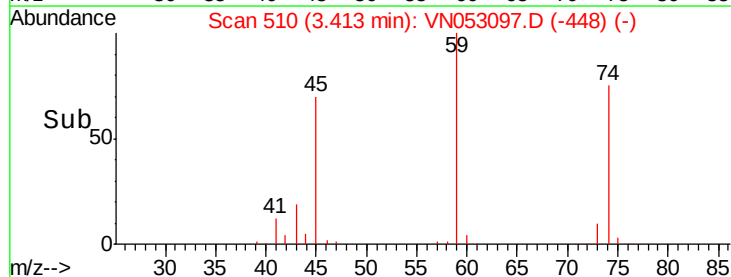
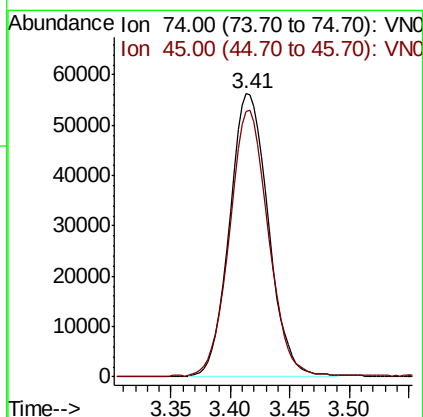
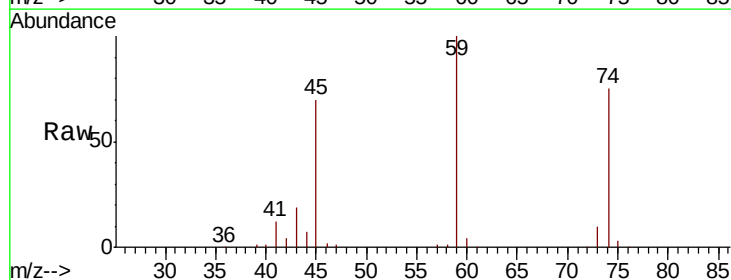
Tot Ion:101 Resp: 305965
Ion Ratio Lower Upper
101 100
103 65.9 52.1 78.1

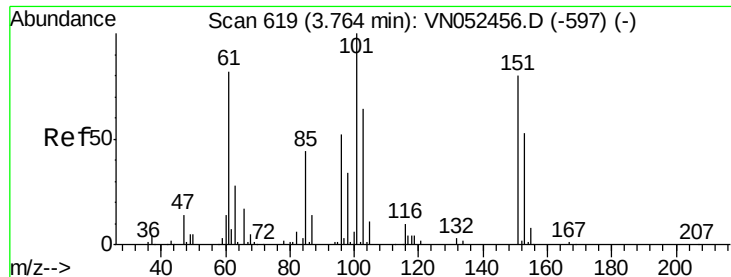


#8

Diethyl Ether
Concen: 21.854 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Tgt Ion: 74 Resp: 127349
Ion Ratio Lower Upper
74 100
45 94.2 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.651 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

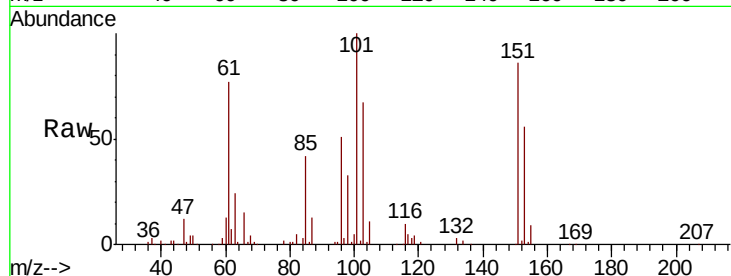
Tot Ion:101 Resp: 196596

Ion Ratio Lower Upper

101 100

85 41.1 0.0 82.6

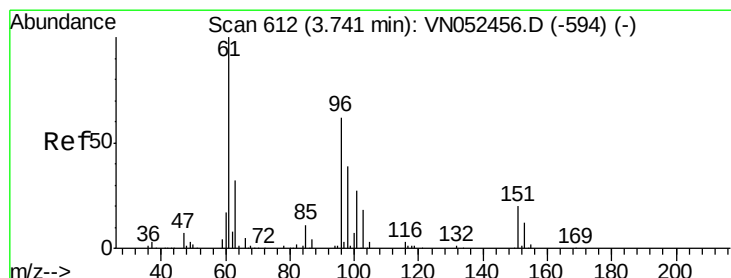
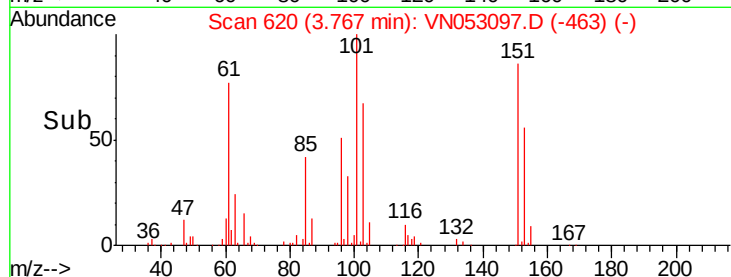
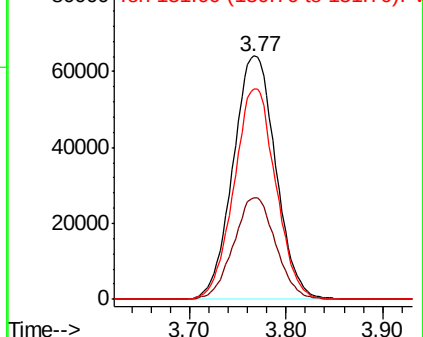
151 84.6 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.239 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

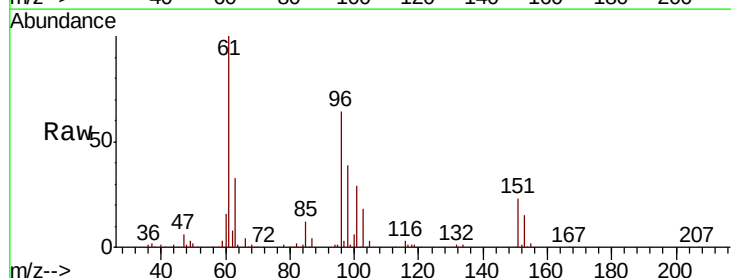
Tgt Ion: 96 Resp: 190376

Ion Ratio Lower Upper

96 100

61 155.0 129.4 194.2

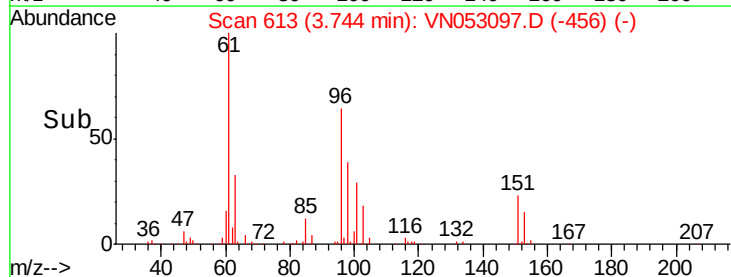
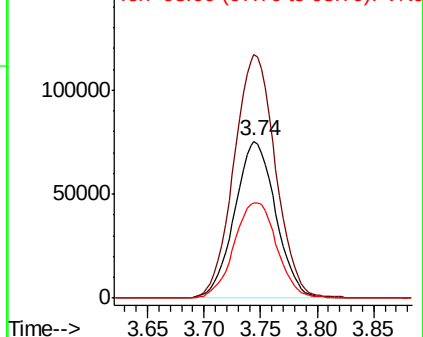
98 61.0 50.4 75.6

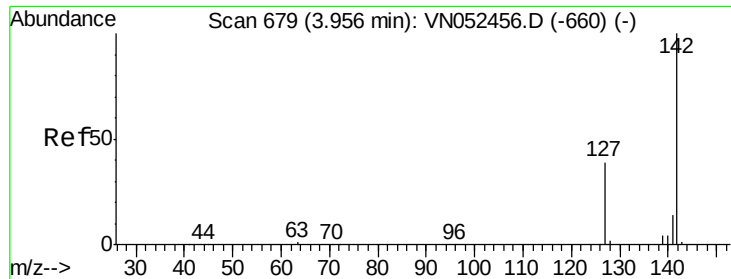


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

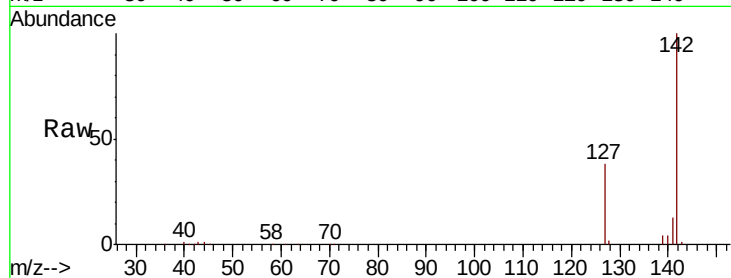




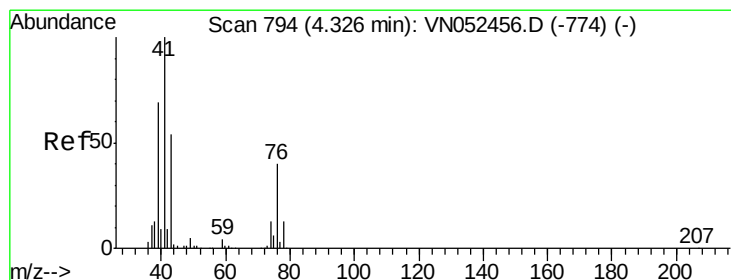
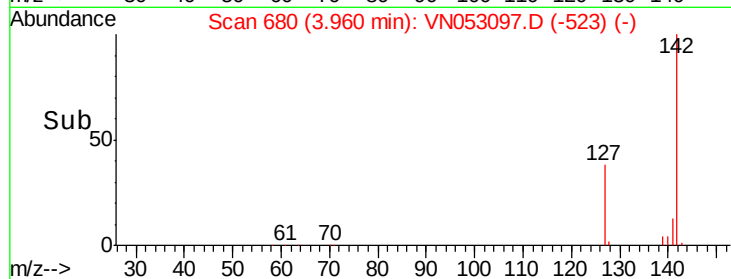
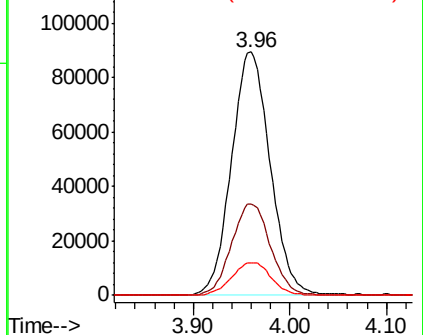
#11
Methyl Iodide
Concen: 19.101 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:142 Resp: 249458
Ion Ratio Lower Upper
142 100
127 37.6 19.4 58.1
141 13.5 7.2 21.6

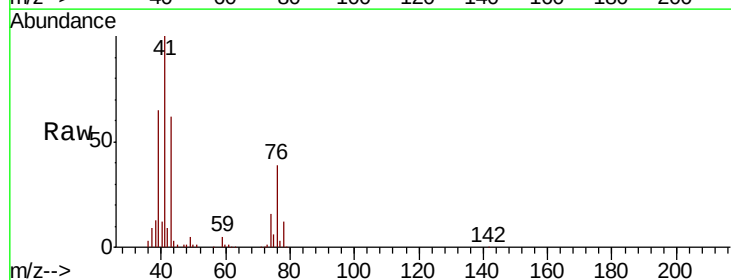


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

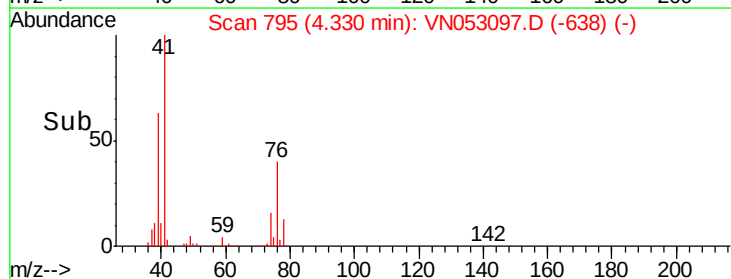
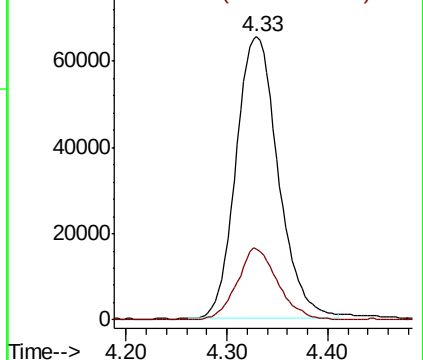


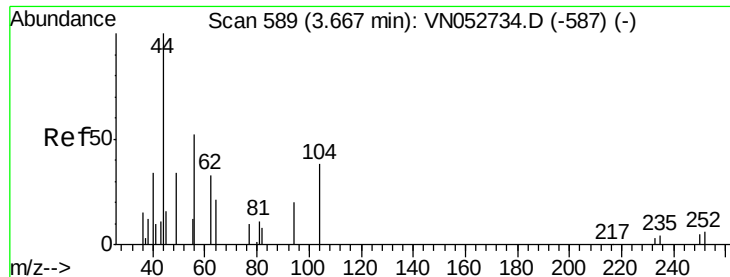
#12
Methyl Acetate
Concen: 23.833 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Tgt Ion: 43 Resp: 190476
Ion Ratio Lower Upper
43 100
74 25.3 18.9 28.3



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





#13

Acrolein

Concen: 91.911 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

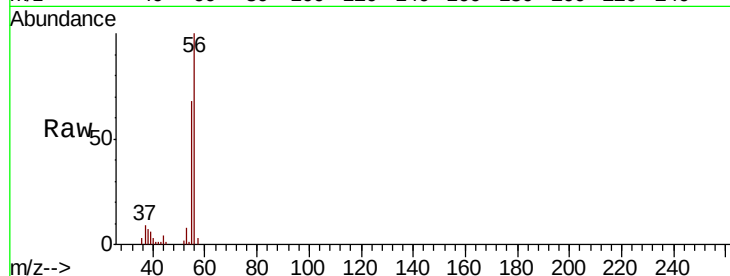
VSTDCCC020EC

Tot Ion: 56 Resp: 86288

Ion Ratio Lower Upper

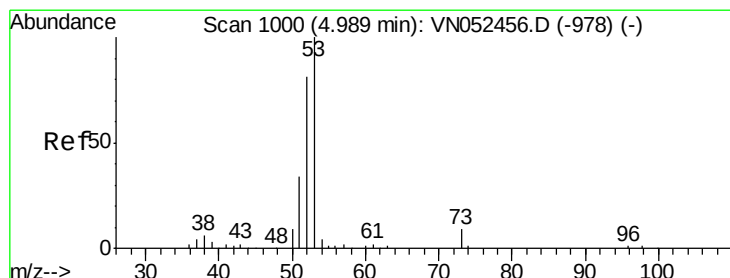
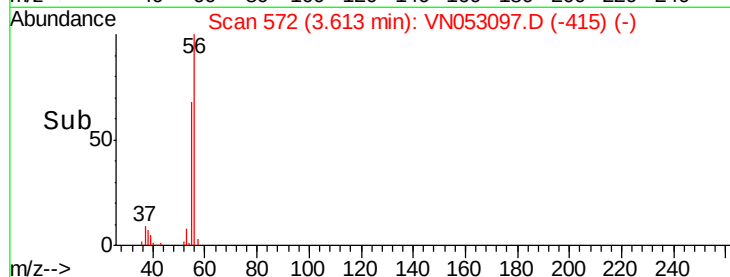
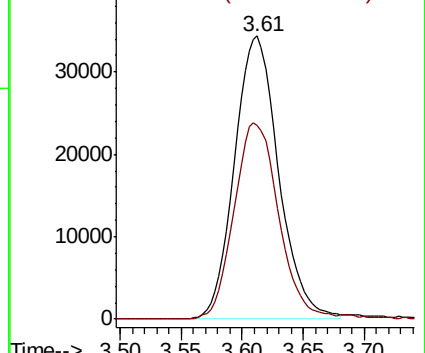
56 100

55 69.9 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 116.110 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

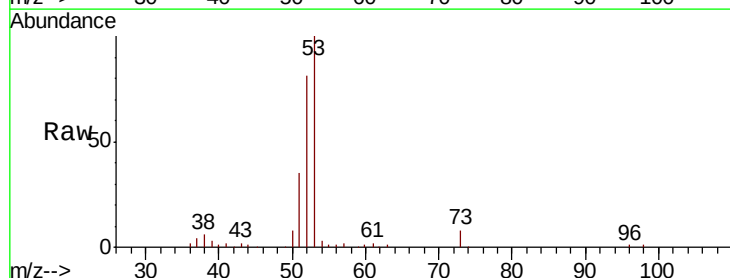
Tgt Ion: 53 Resp: 395398

Ion Ratio Lower Upper

53 100

52 82.8 39.9 119.7

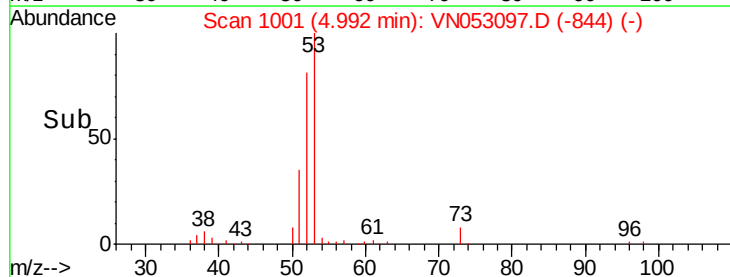
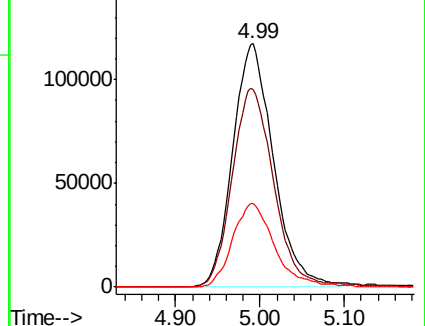
51 35.0 17.6 52.9

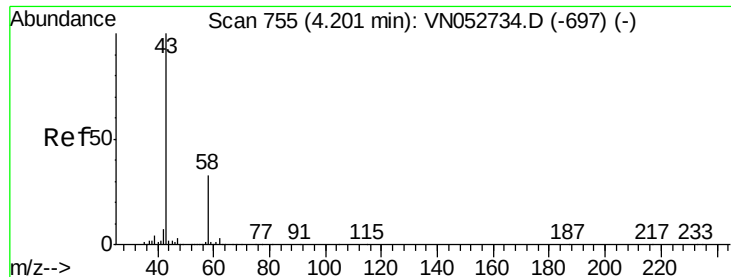


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 95.444 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

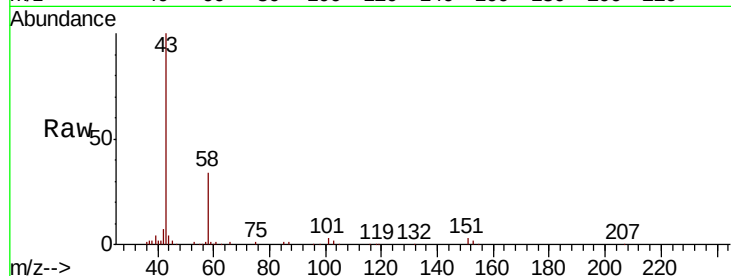
VSTDCCC020EC

Tot Ion: 58 Resp: 84173

Ion Ratio Lower Upper

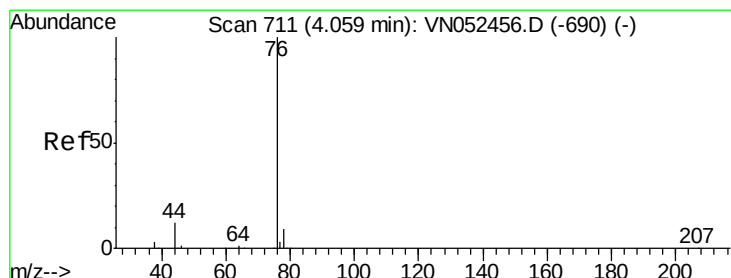
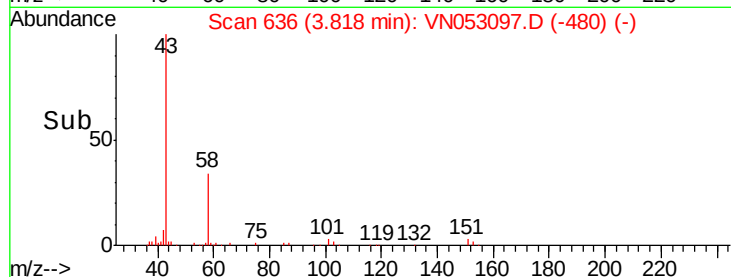
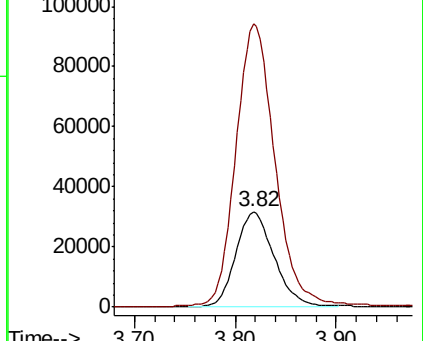
58 100

43 293.4 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052734.D (-697) (-)

Ion 43.00 (42.70 to 43.70): VN052734.D (-697) (-)



#16

Carbon Disulfide

Concen: 17.714 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053097.D

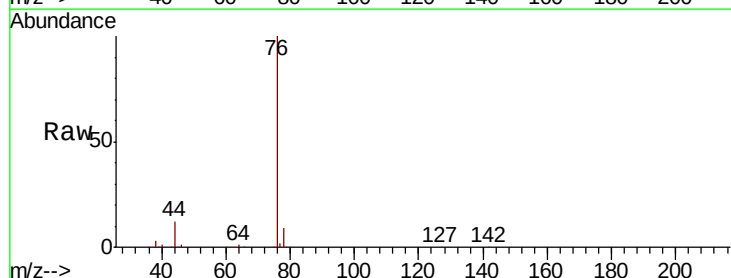
Acq: 21 Dec 2018 11:38

Tgt Ion: 76 Resp: 527525

Ion Ratio Lower Upper

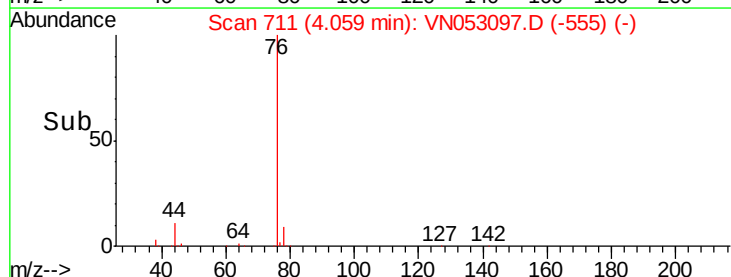
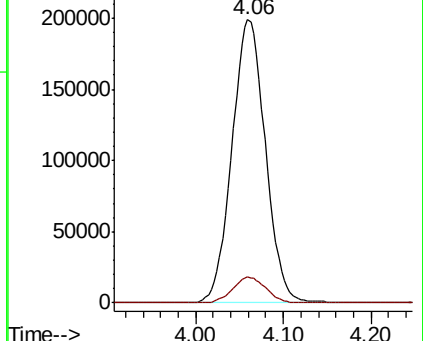
76 100

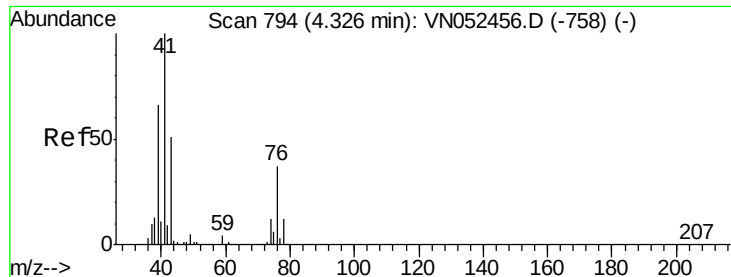
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052456.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN052456.D (-690) (-)

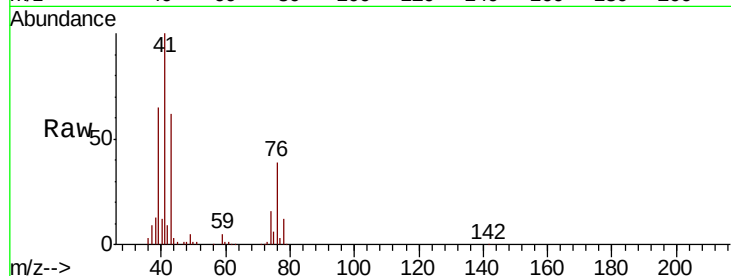




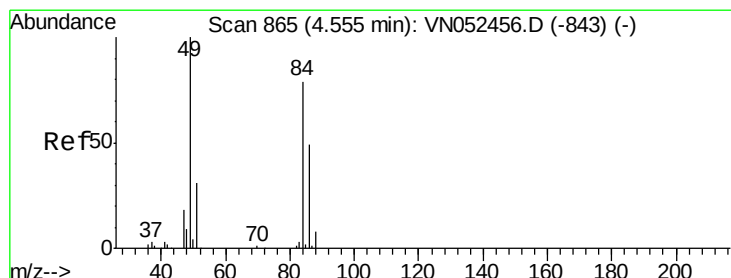
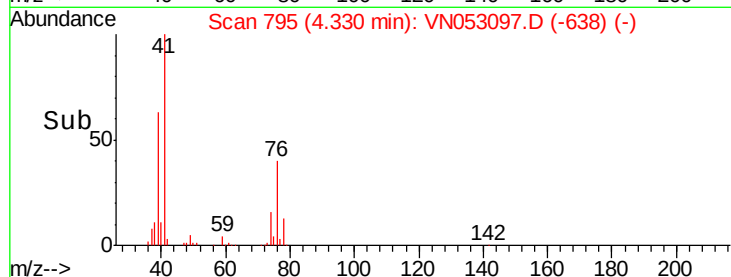
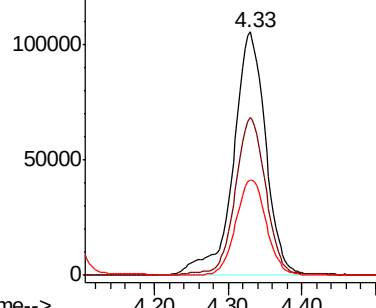
#17
Allvl chloride
Concen: 19.429 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 318721
Ion Ratio Lower Upper
41 100
39 65.2 32.8 98.3
76 39.0 18.6 55.8

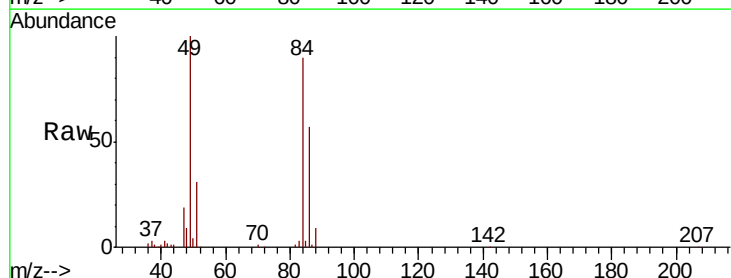


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO

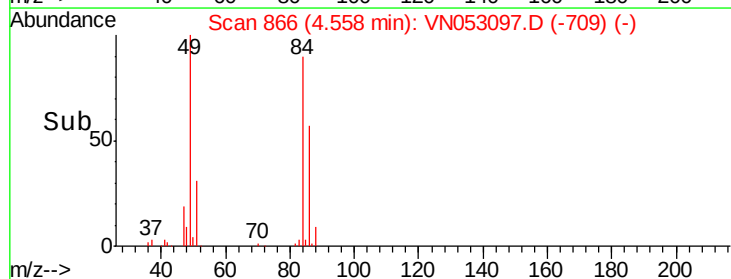
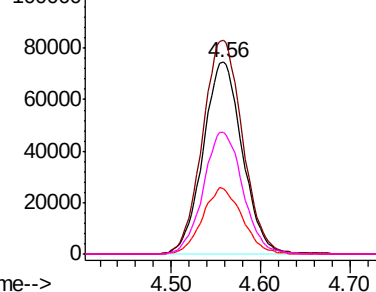


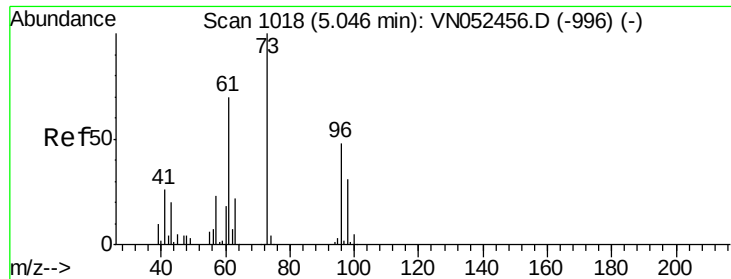
#18
Methylene Chloride
Concen: 20.895 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Tgt Ion: 84 Resp: 227567
Ion Ratio Lower Upper
84 100
49 111.0 101.4 152.0
51 34.3 31.7 47.5
86 63.4 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

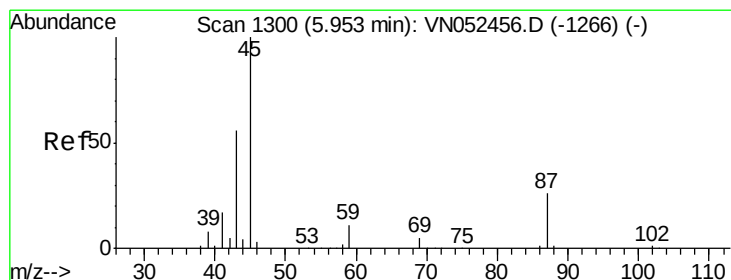
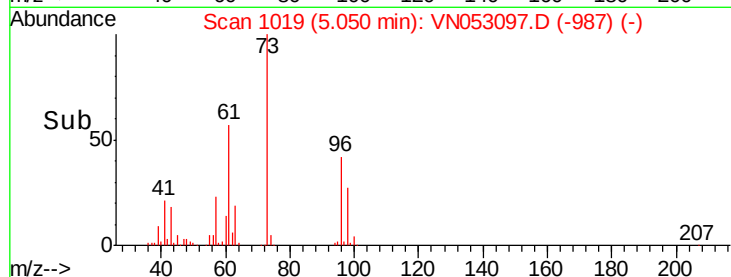
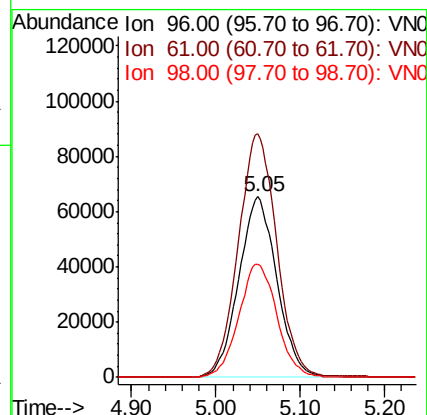
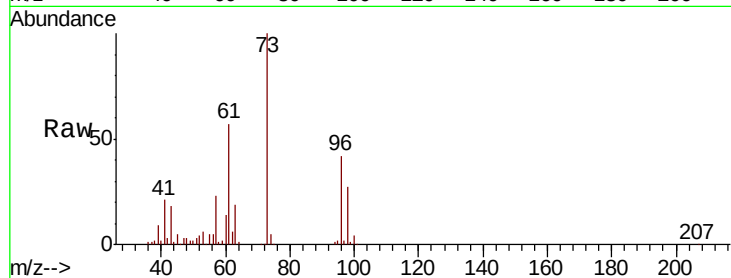




#19
trans-1,2-Dichloroethene
Concen: 20.289 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

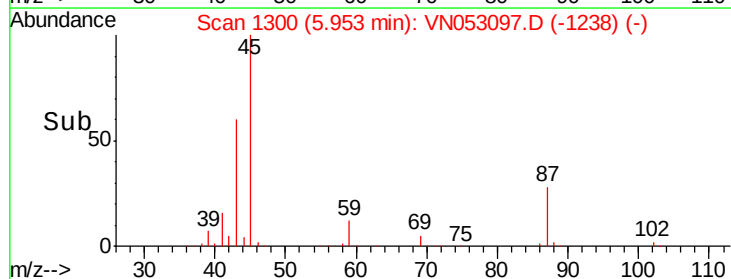
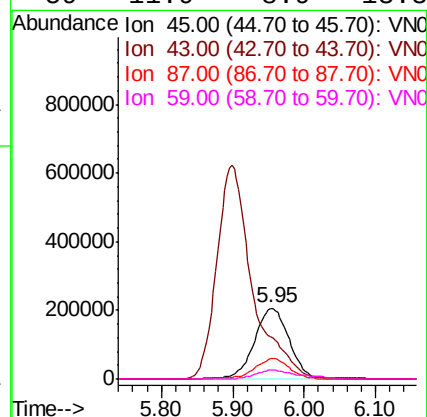
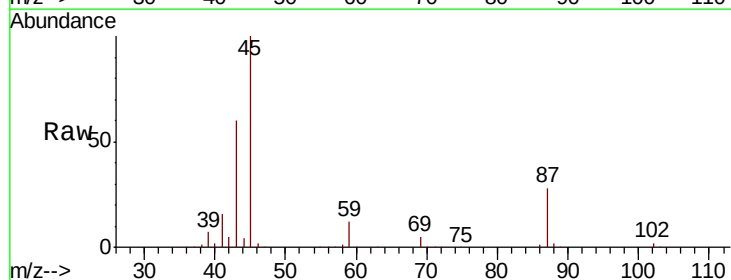
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

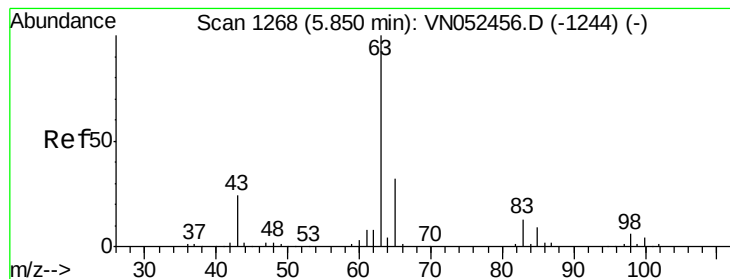
Tot Ion: 96 Resp: 205381
Ion Ratio Lower Upper
96 100
61 135.0 118.2 177.4
98 63.0 51.4 77.2



#20
Diisopropyl ether
Concen: 20.223 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Tgt Ion: 45 Resp: 697156
Ion Ratio Lower Upper
45 100
43 58.2 47.8 71.8
87 28.2 21.3 31.9
59 11.9 8.9 13.3





#21

1,1-Dichloroethane

Concen: 20.098 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

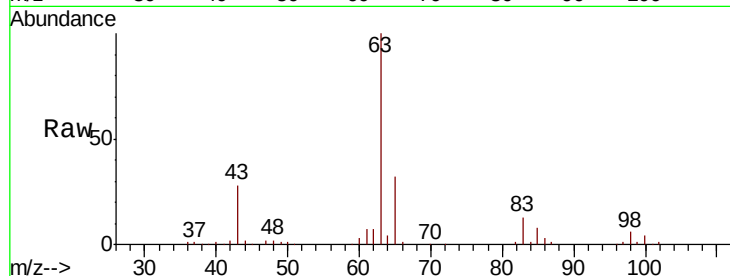
Tot Ion: 63 Resp: 394891

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 3.9 1.8 5.5

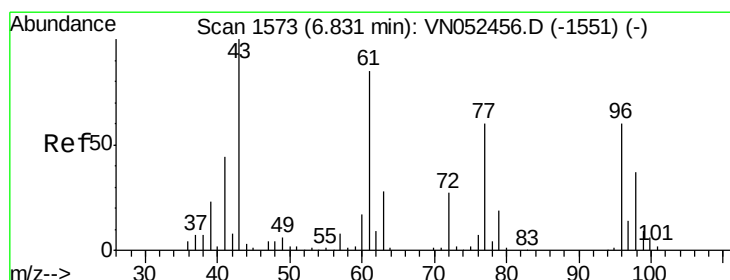
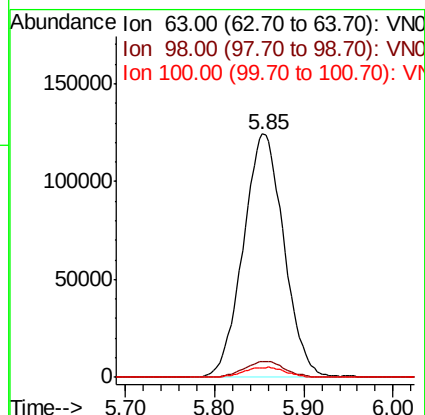
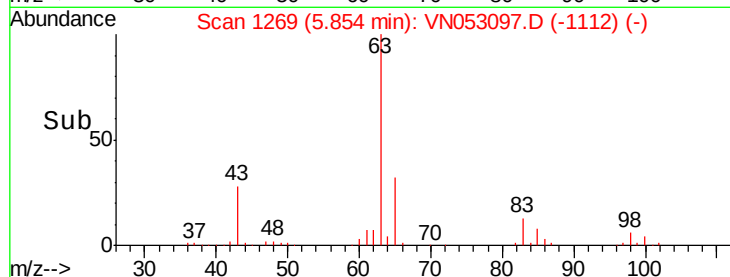


Abundance Ion 63.00 (62.70 to 63.70): VN052456.D (-1244) (-)

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

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

Time-->



#22

cis-1,2-Dichloroethene

Concen: 21.119 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

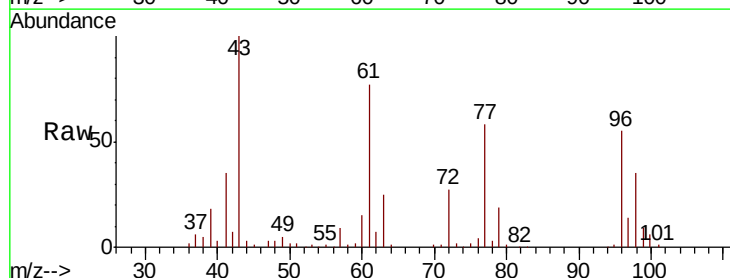
Tgt Ion: 96 Resp: 245014

Ion Ratio Lower Upper

96 100

61 139.7 116.7 175.1

98 64.2 50.8 76.2

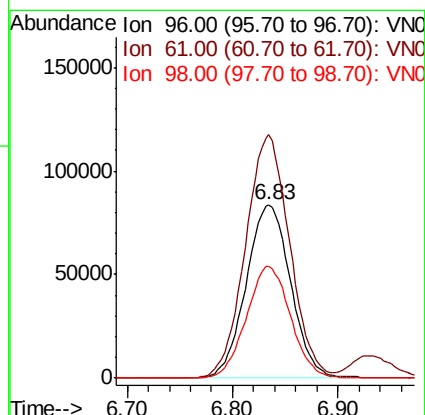
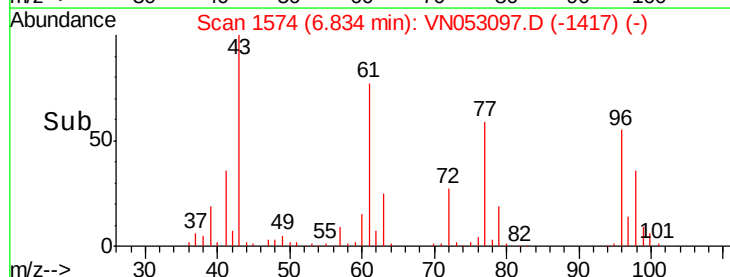


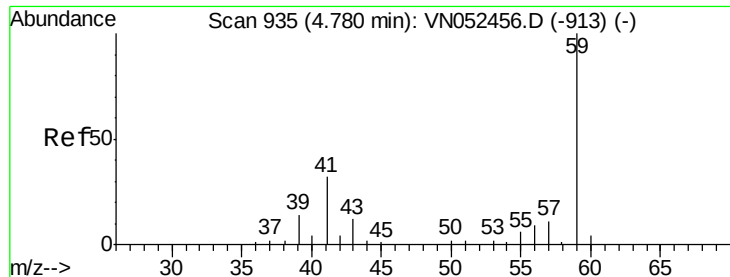
Abundance Ion 96.00 (95.70 to 96.70): VN052456.D (-1551) (-)

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

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

Time-->

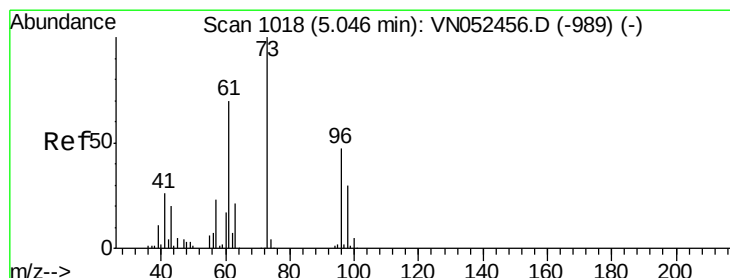
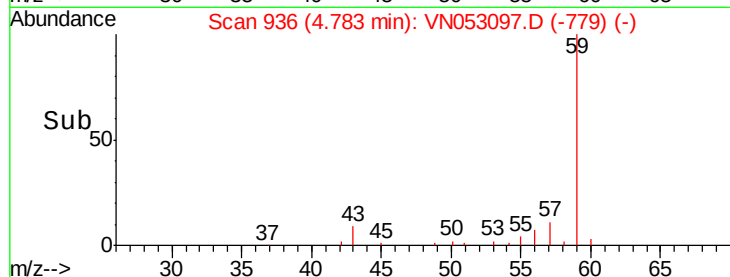
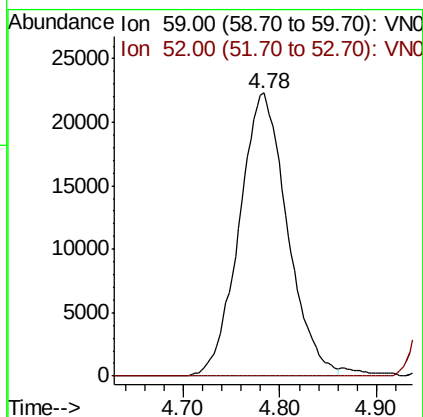
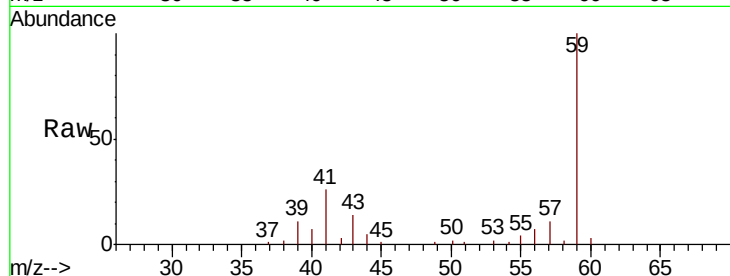




#23
 tert-Butyl Alcohol
 Concen: 152.047 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN053097.D
 Acq: 21 Dec 2018 11:38

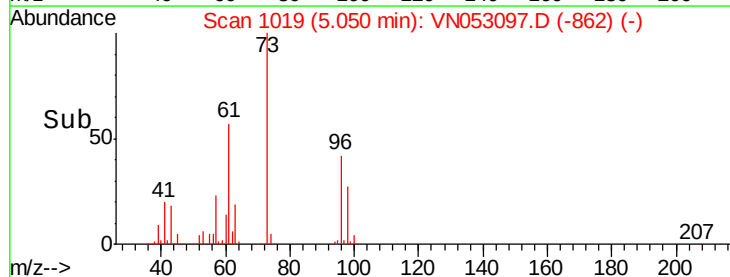
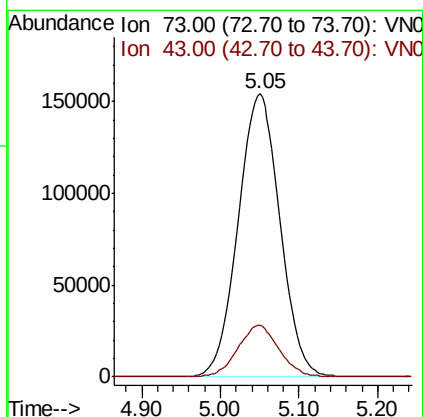
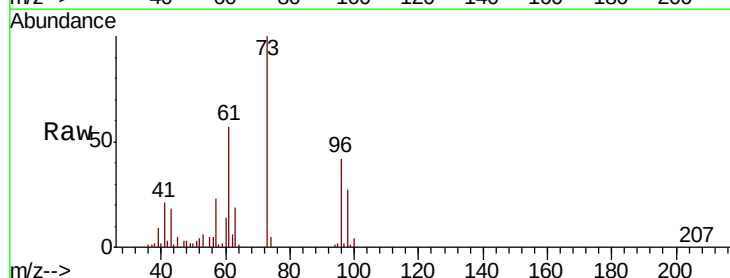
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

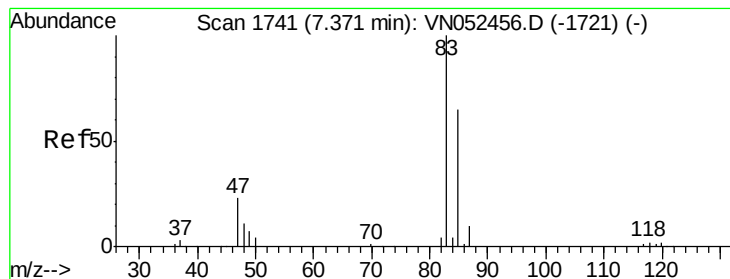
Tot Ion: 59 Resp: 77024
 Ion Ratio Lower Upper
 59 100
 52 0.5 0.0 0.0#



#24
 Methyl tert-Butyl Ether
 Concen: 23.326 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN053097.D
 Acq: 21 Dec 2018 11:38

Tgt Ion: 73 Resp: 575600
 Ion Ratio Lower Upper
 73 100
 43 17.6 15.8 23.8





#25

Chloroform

Concen: 20.701 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

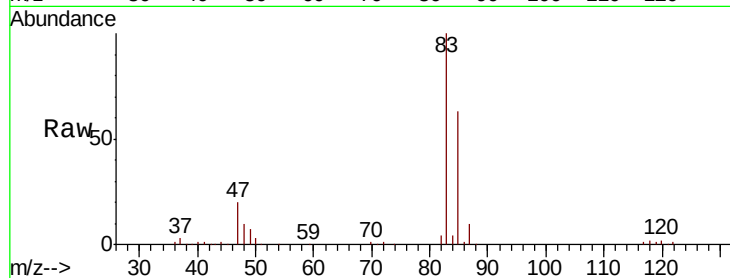
VSTDCCC020EC

Tot Ion: 83 Resp: 392388

Ion Ratio Lower Upper

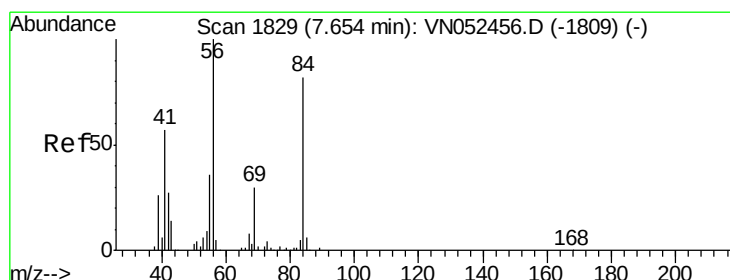
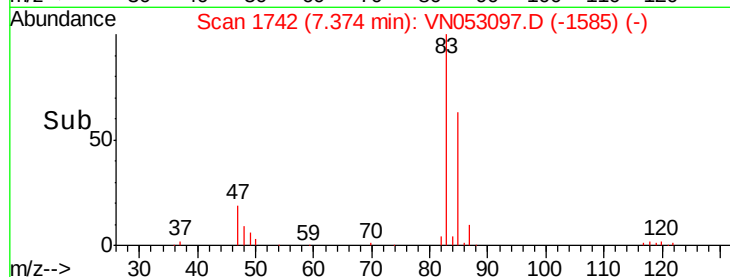
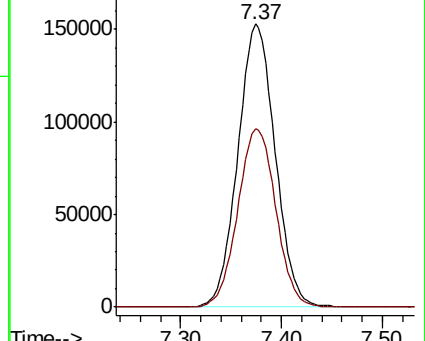
83 100

85 63.0 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 18.352 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

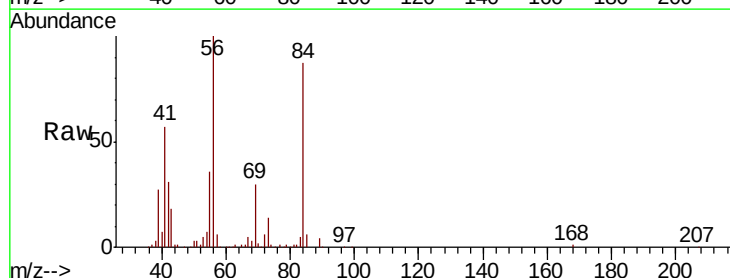
Tgt Ion: 56 Resp: 340082

Ion Ratio Lower Upper

56 100

89 4.0 0.5 0.7#

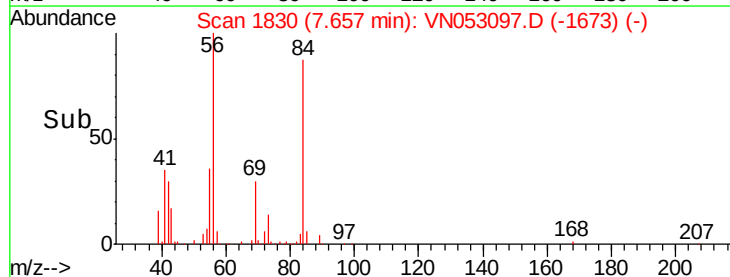
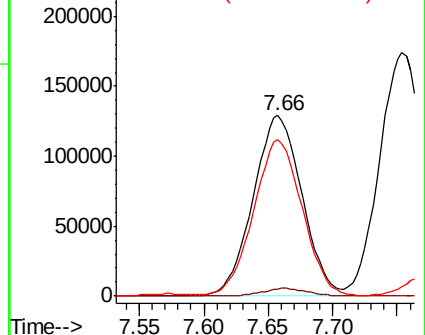
84 86.5 66.2 99.2

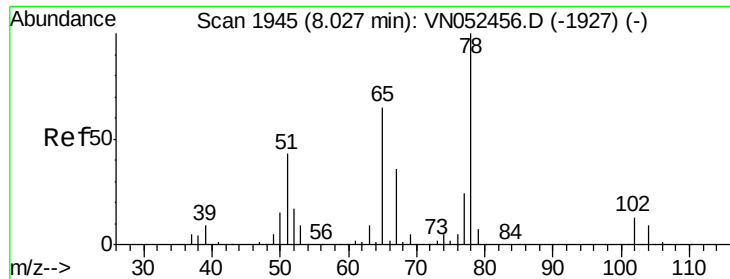


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

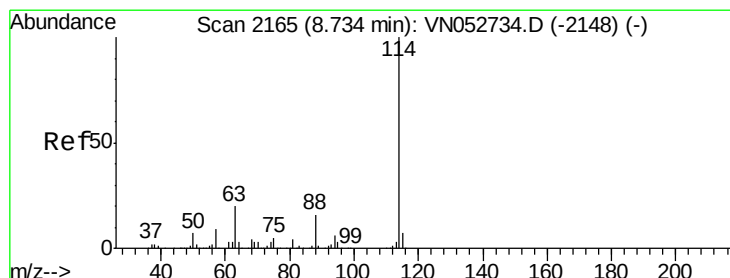
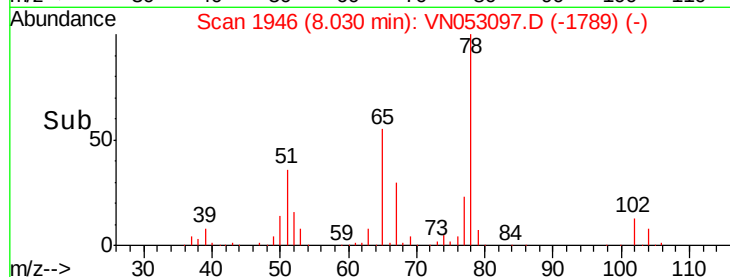
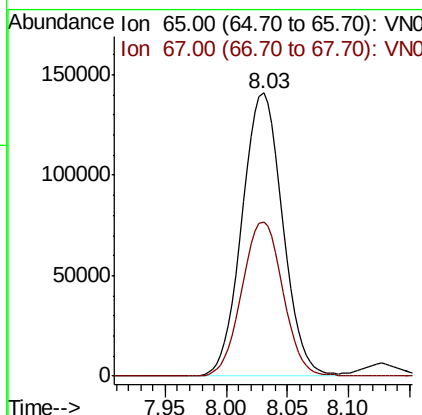
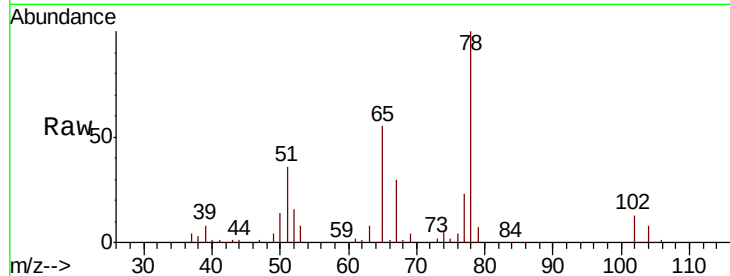




#27
 1,2-Dichloroethane-d4
 Concen: 18.352 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053097.D
 Acq: 21 Dec 2018 11:38

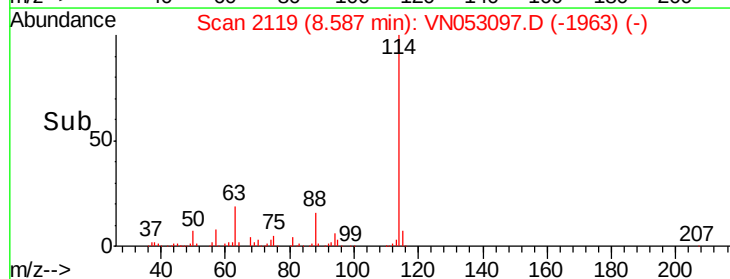
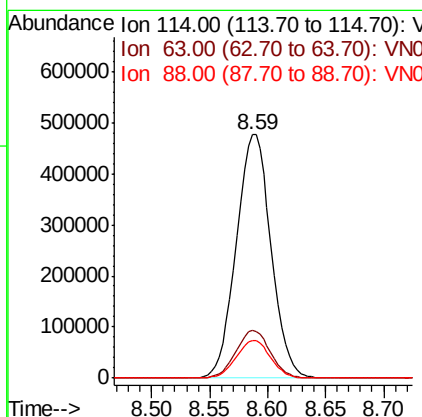
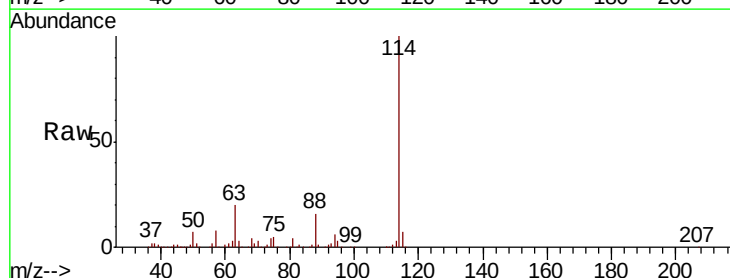
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

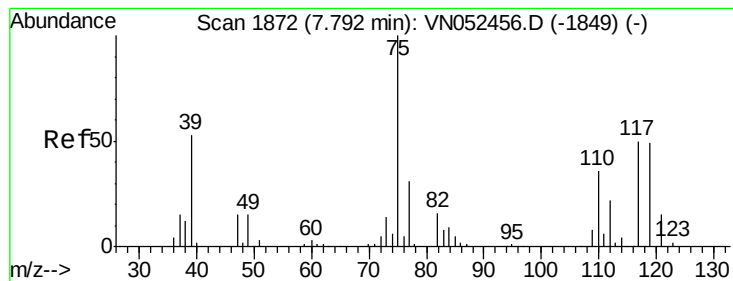
Tot Ion: 65 Resp: 325137
 Ion Ratio Lower Upper
 65 100
 67 55.1 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053097.D
 Acq: 21 Dec 2018 11:38

Tgt Ion: 114 Resp: 991320
 Ion Ratio Lower Upper
 114 100
 63 19.4 16.9 25.3
 88 15.4 12.8 19.2





#29

1,1-Dichloropropene

Concen: 19.559 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

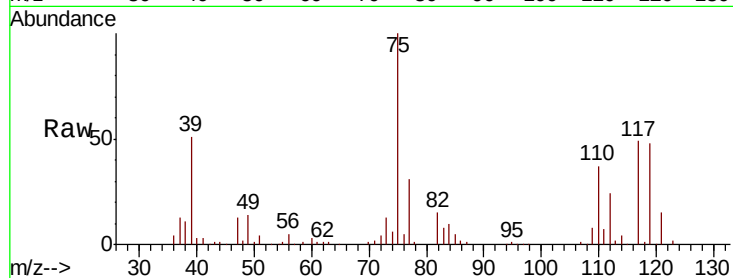
Tot Ion: 75 Resp: 296095

Ion Ratio Lower Upper

75 100

110 36.5 0.0 70.2

77 30.5 0.0 62.6

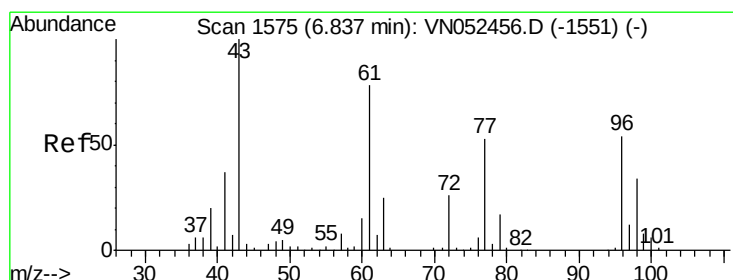
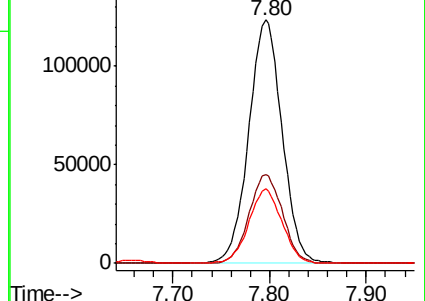
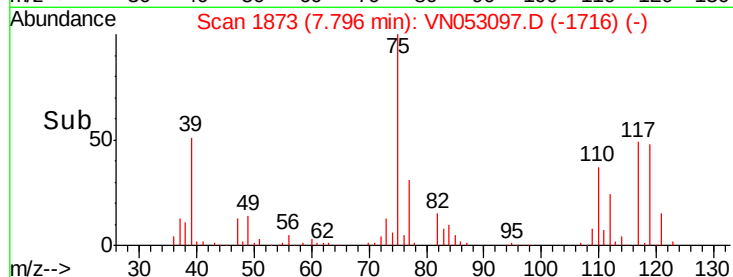


Abundance Ion 75.00 (74.70 to 75.70): VN052456.D (-1849) (-)

Ion 110.00 (109.70 to 110.70): VN052456.D (-1849) (-)

Ion 77.00 (76.70 to 77.70): VN052456.D (-1849) (-)

Time-->



#30

2-Butanone

Concen: 110.484 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

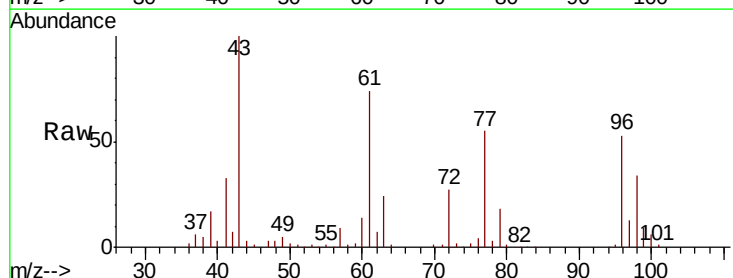
Tgt Ion: 43 Resp: 447550

Ion Ratio Lower Upper

43 100

57 8.5 6.2 9.4

72 27.9 21.0 31.6

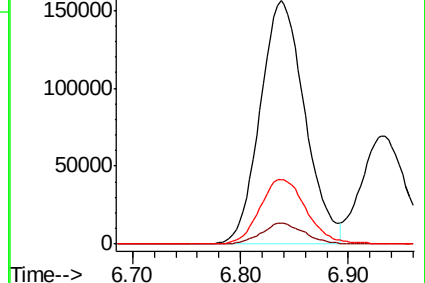
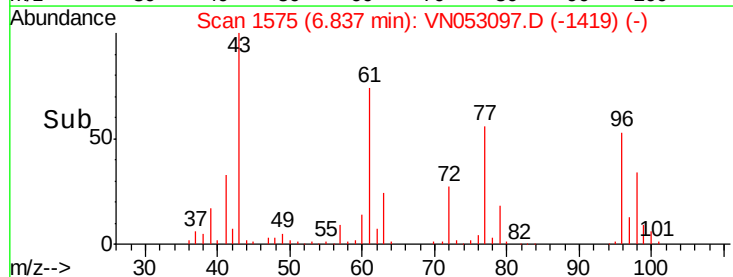


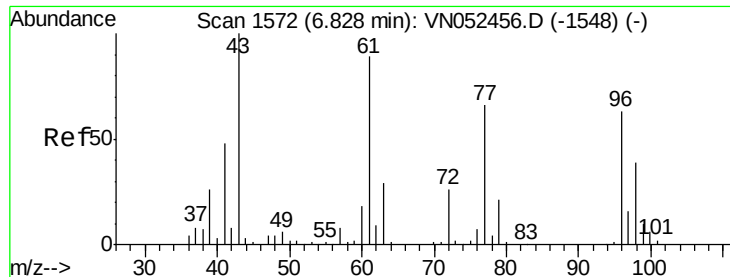
Abundance Ion 43.00 (42.70 to 43.70): VN052456.D (-1551) (-)

Ion 57.00 (56.70 to 57.70): VN052456.D (-1551) (-)

Ion 72.00 (71.70 to 72.70): VN052456.D (-1551) (-)

Time-->





#31

2,2-Dichloropropane

Concen: 21.014 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

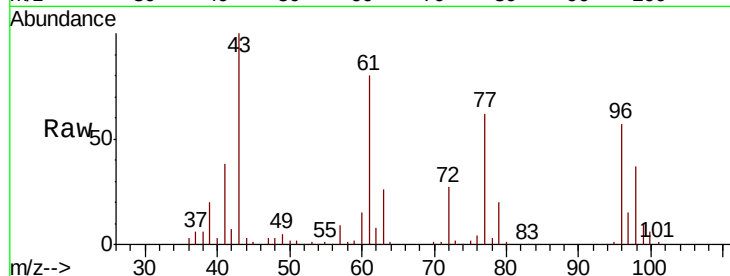
VSTDCCC020EC

Tot Ion: 77 Resp: 292872

Ion Ratio Lower Upper

77 100

97 23.7 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.83

100000

80000

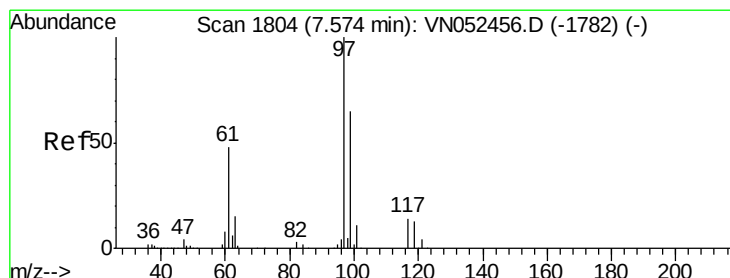
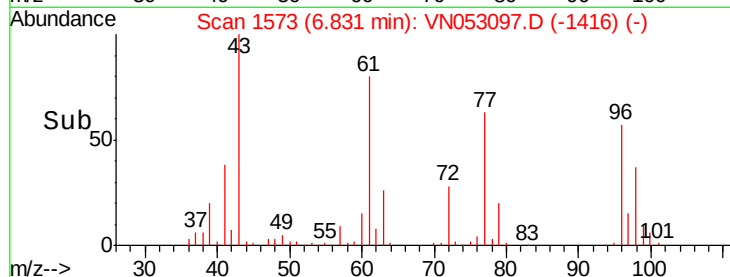
60000

40000

20000

0

Time-->



#32

1,1,1-Trichloroethane

Concen: 20.682 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

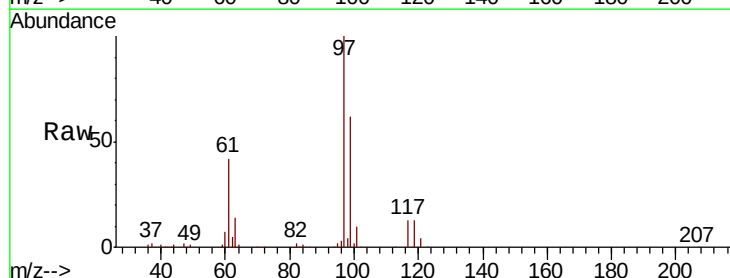
Tgt Ion: 97 Resp: 325778

Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

61 42.7 38.1 57.1



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

7.58

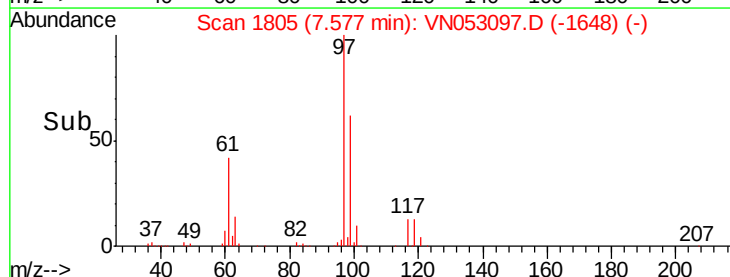
150000

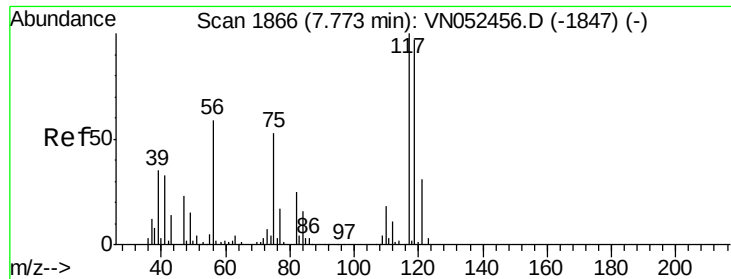
100000

50000

0

Time-->

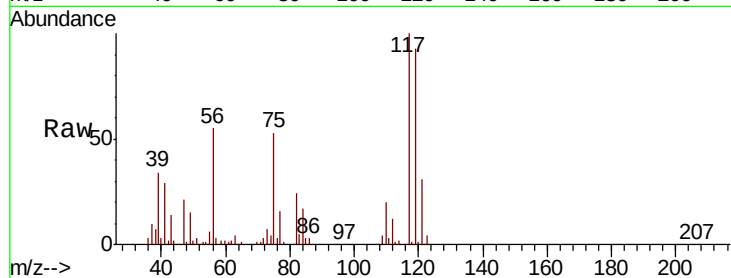




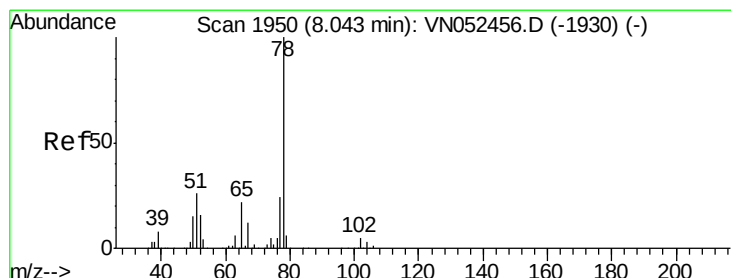
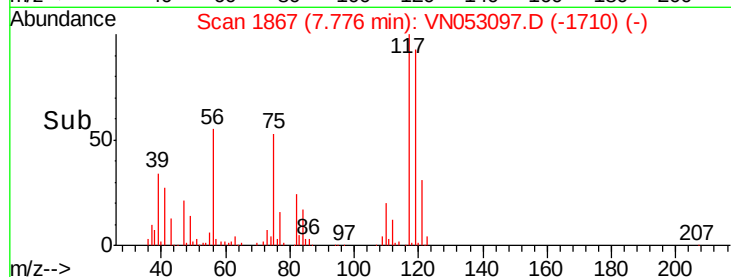
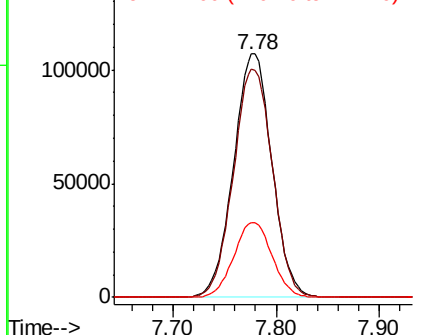
#33
Carbon Tetrachloride
Concen: 20.114 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 277229
Ion Ratio Lower Upper
117 100
119 93.5 77.3 115.9
121 30.8 24.9 37.3

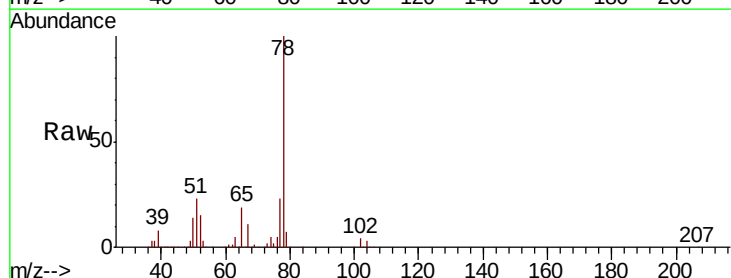


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

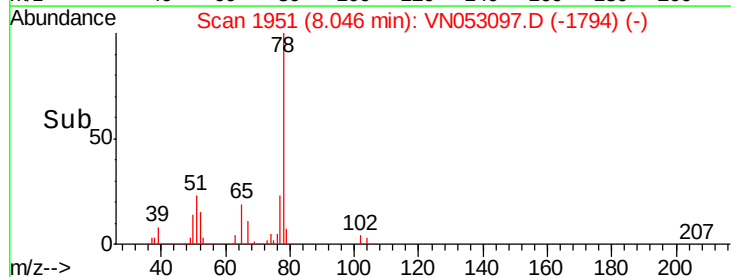
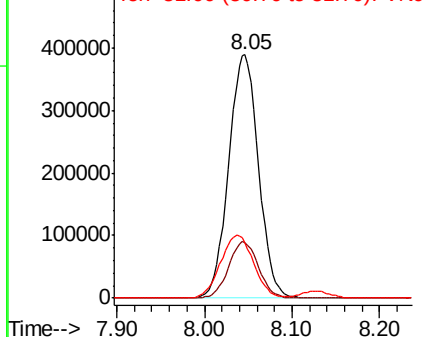


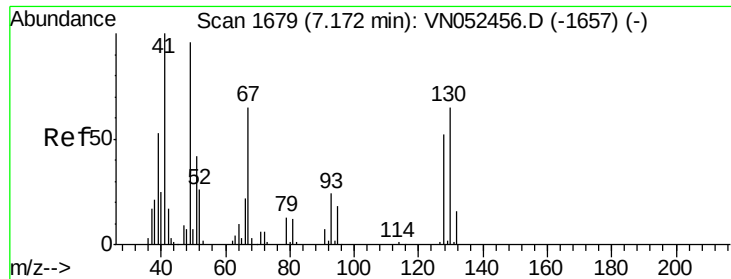
#34
Benzene
Concen: 20.217 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Tgt Ion: 78 Resp: 920193
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.6
51 22.9 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

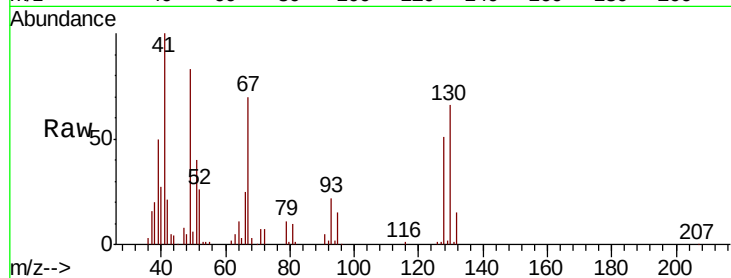




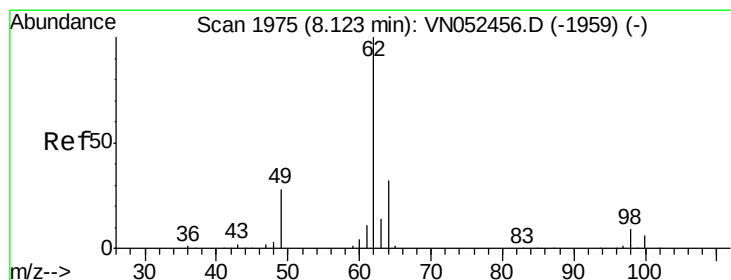
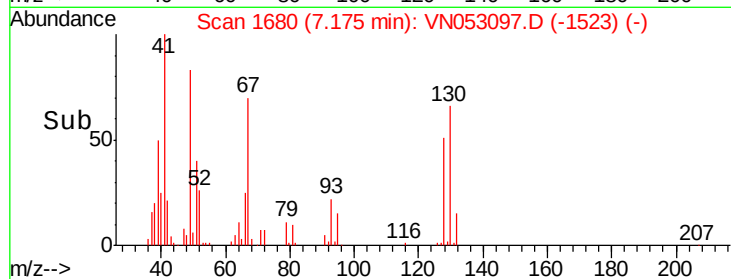
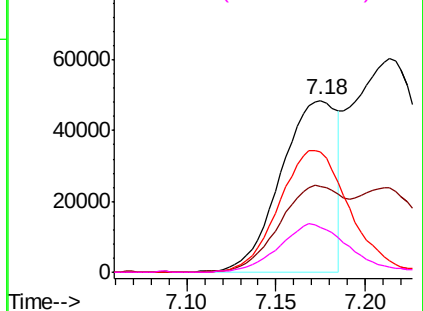
#35
Methacrylonitrile
Concen: 21.137 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 106230
Ion Ratio Lower Upper
41 100
39 50.2 26.6 79.7
67 69.8 32.3 96.9
52 26.3 13.0 38.9

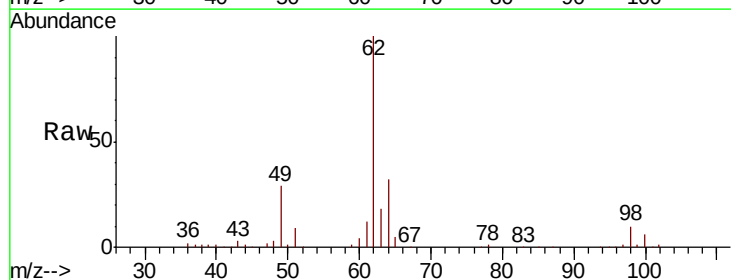


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

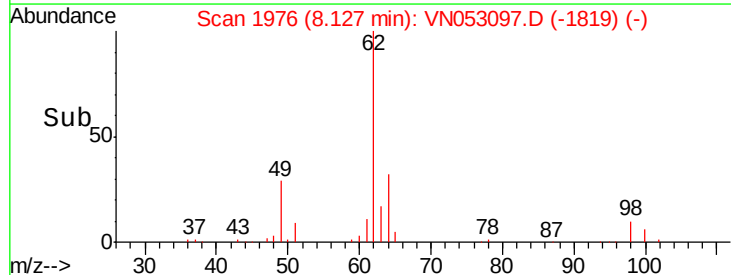
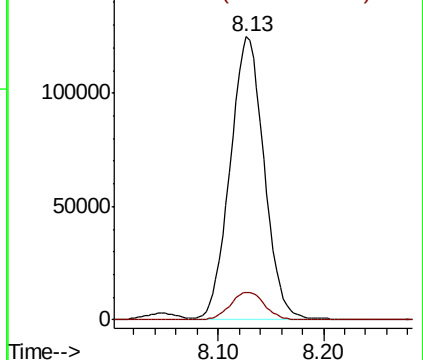


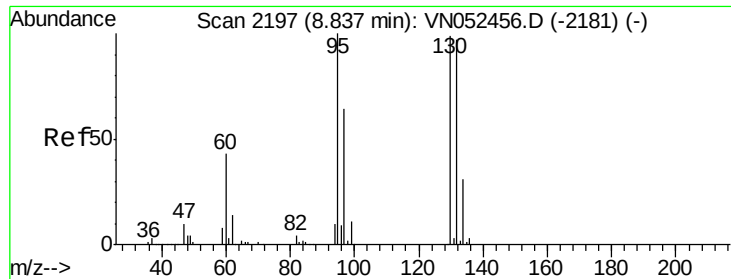
#36
1,2-Dichloroethane
Concen: 20.215 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Tgt Ion: 62 Resp: 278806
Ion Ratio Lower Upper
62 100
98 9.9 7.4 11.2



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





#37

Trichloroethene

Concen: 21.572 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

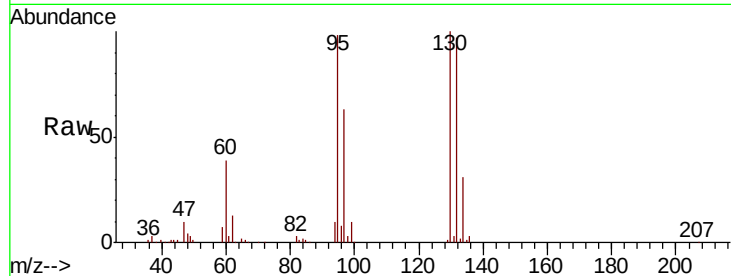
VSTDCCC020EC

Tot Ion:130 Resp: 248966

Ion Ratio Lower Upper

130 100

95 98.0 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

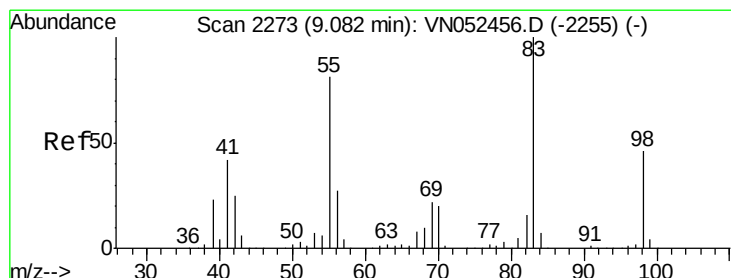
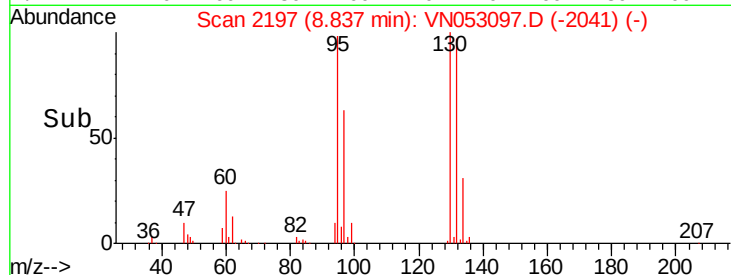
8.84

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 18.154 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

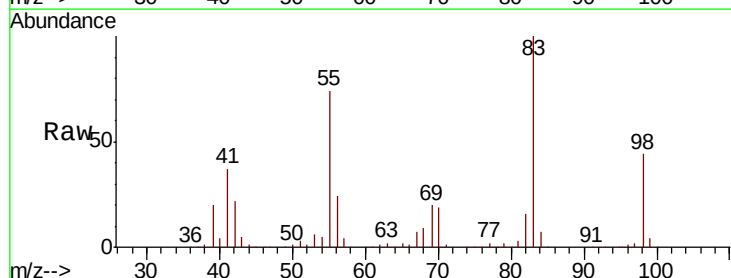
Tgt Ion: 83 Resp: 340204

Ion Ratio Lower Upper

83 100

55 74.2 39.8 119.4

98 45.0 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

200000

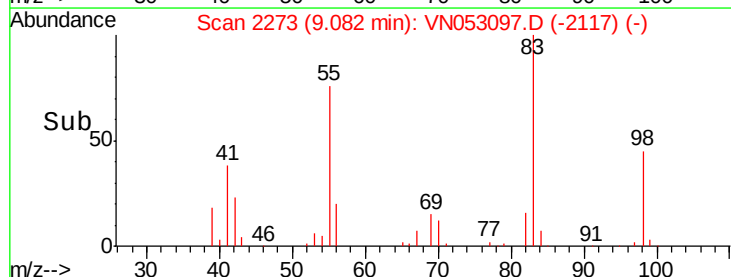
150000

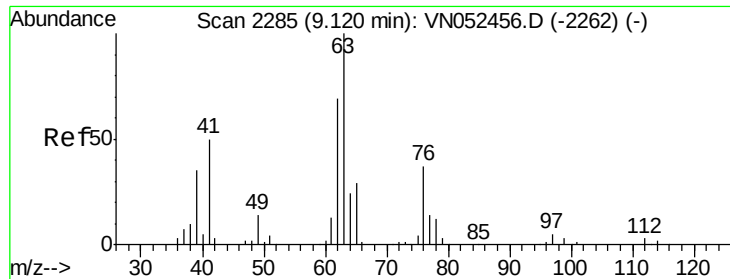
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 20.016 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

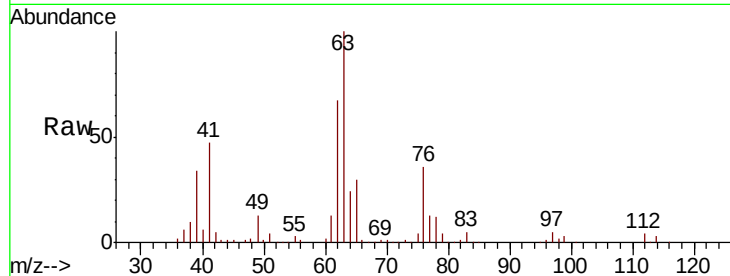
VSTDCCC020EC

Tot Ion: 63 Resp: 244203

Ion Ratio Lower Upper

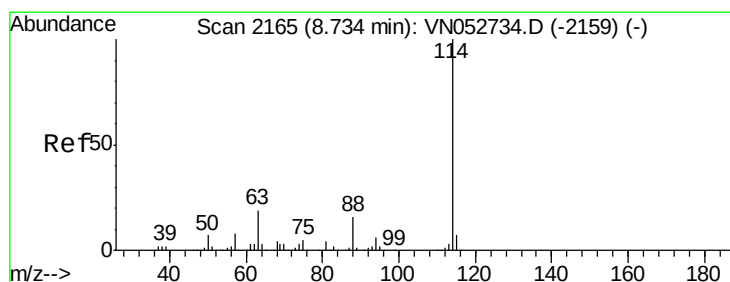
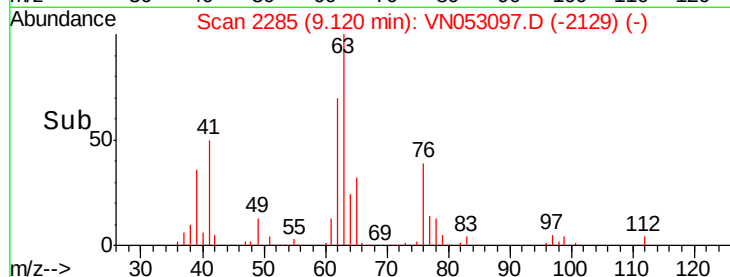
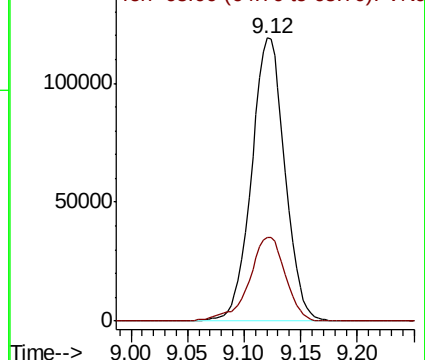
63 100

65 29.6 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.768 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

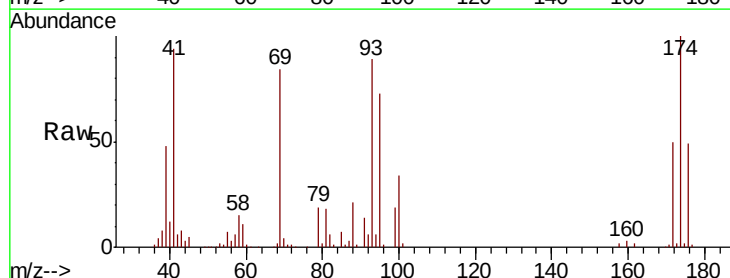
Tgt Ion: 93 Resp: 143516

Ion Ratio Lower Upper

93 100

95 81.5 0.0 168.4

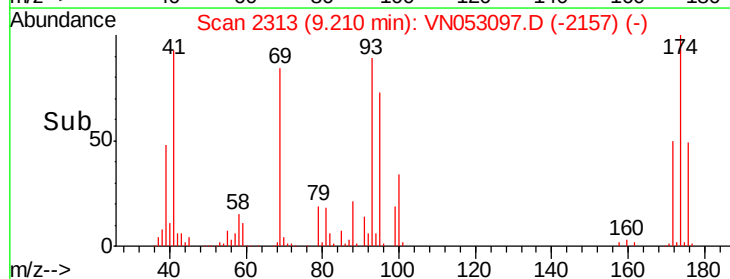
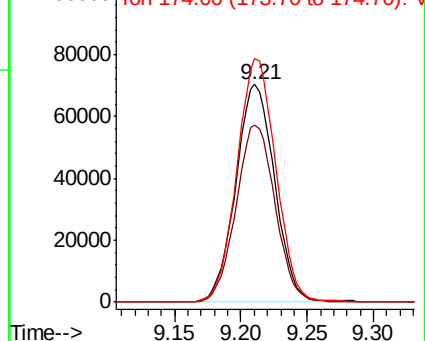
174 111.7 0.0 210.0

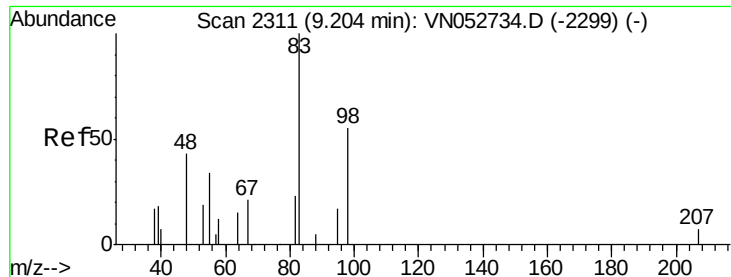


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.324 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

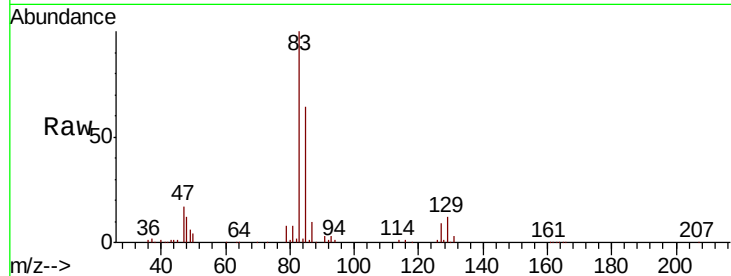
Tot Ion: 83 Resp: 296046

Ion Ratio Lower Upper

83 100

85 64.3 52.4 78.6

127 8.7 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN053097.D (-1126) (-)

Ion 85.00 (84.70 to 85.70): VN053097.D (-1126) (-)

Ion 127.00 (126.70 to 127.70): VN053097.D (-1126) (-)

9.40

150000

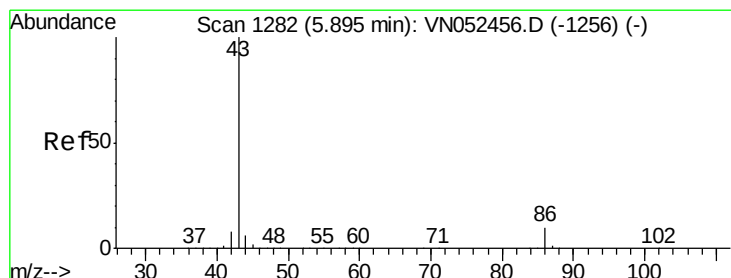
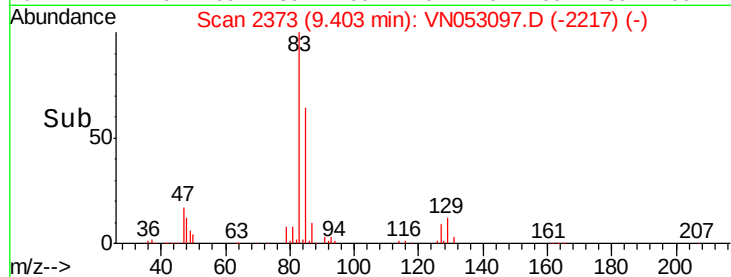
100000

50000

0

9.35 9.40 9.45

Time-->



#42

Vinyl Acetate

Concen: 98.704 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN053097.D

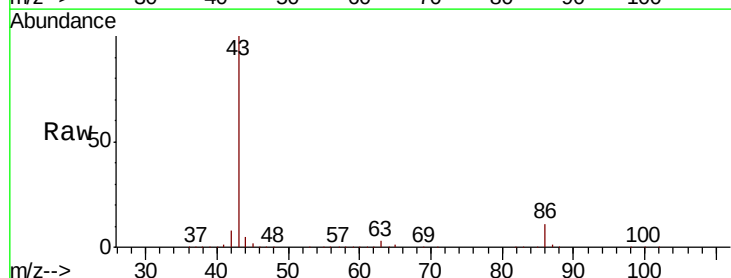
Acq: 21 Dec 2018 11:38

Tgt Ion: 43 Resp: 2163328

Ion Ratio Lower Upper

43 100

86 9.0 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN053097.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN053097.D (-1126) (-)

600000

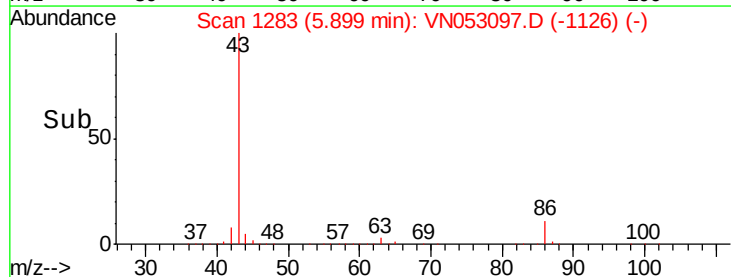
400000

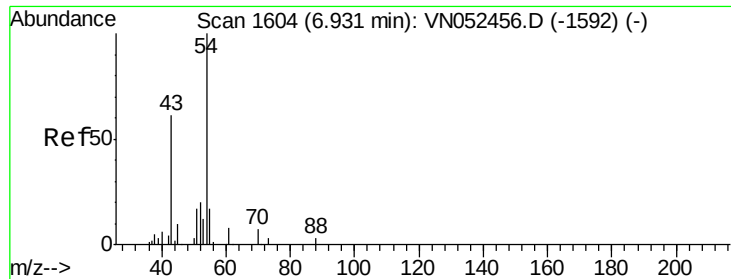
200000

0

5.70 5.80 5.90 6.00 6.10

Time-->

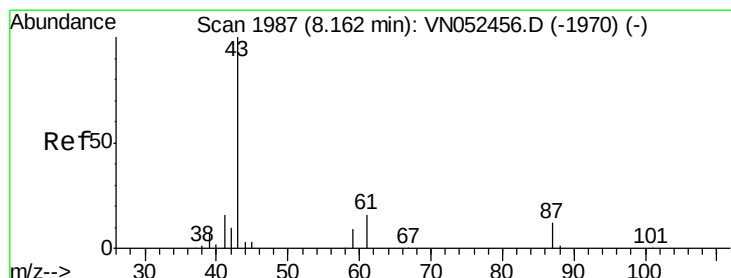
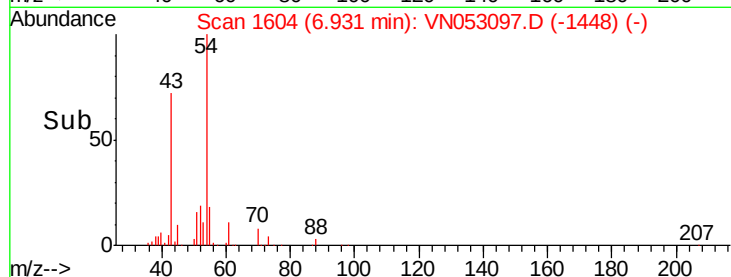
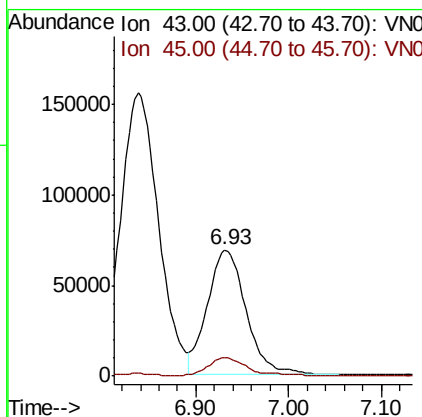
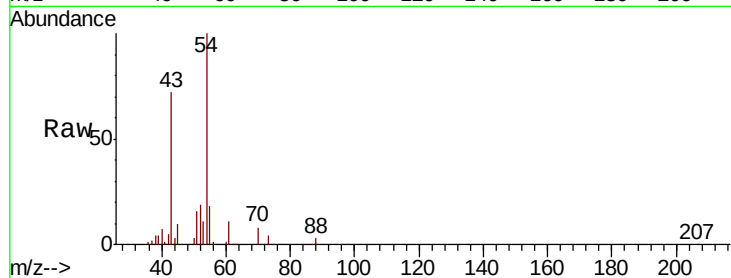




#43
Ethyl Acetate
Concen: 23.305 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

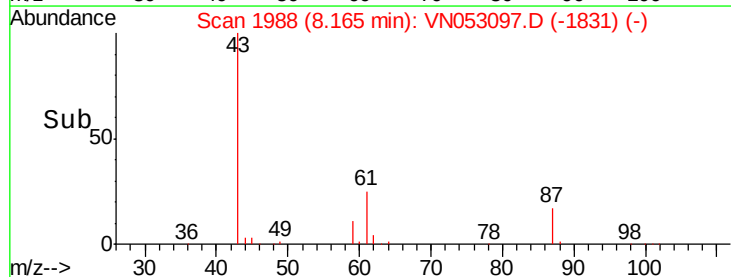
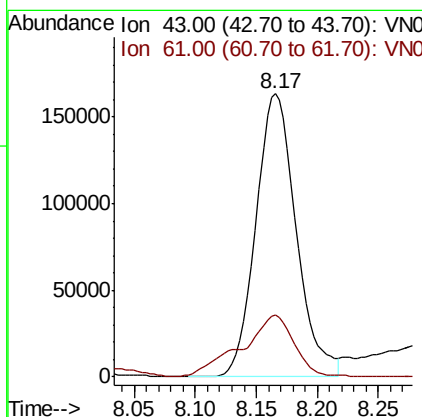
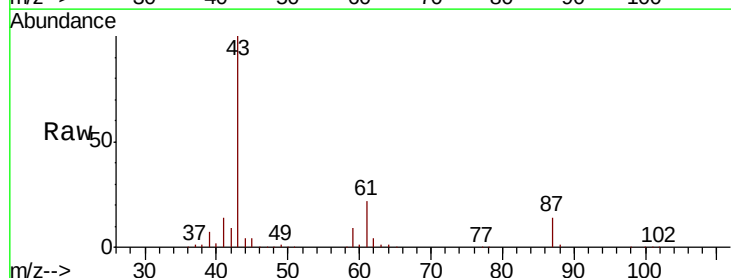
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

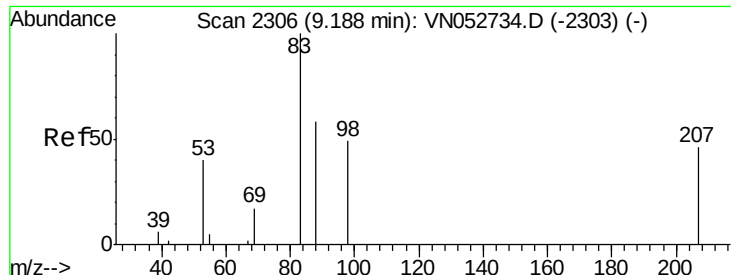
Tot Ion: 43 Resp: 200740
Ion Ratio Lower Upper
43 100
45 13.7 1.0 1.6#



#44
Isopropyl Acetate
Concen: 24.728 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Tgt Ion: 43 Resp: 373555
Ion Ratio Lower Upper
43 100
61 20.3 16.0 24.0





#45

1,4-Dioxane

Concen: 556.733 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

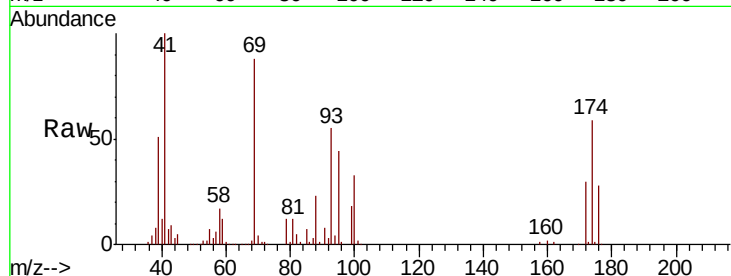
Tot Ion: 88 Resp: 46010

Ion Ratio Lower Upper

88 100

43 31.9 29.5 44.3

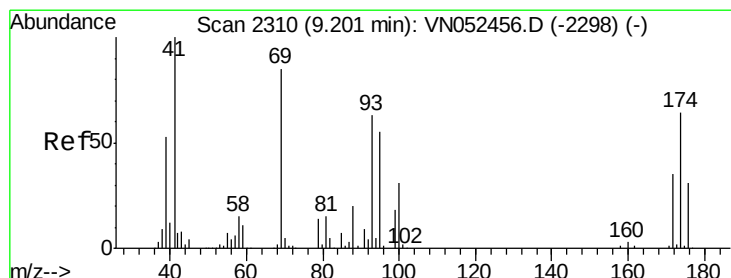
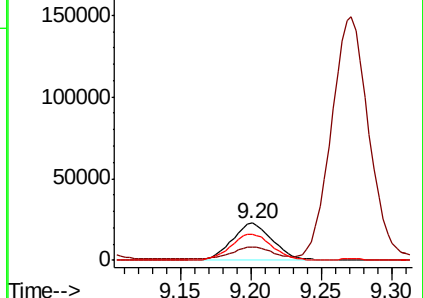
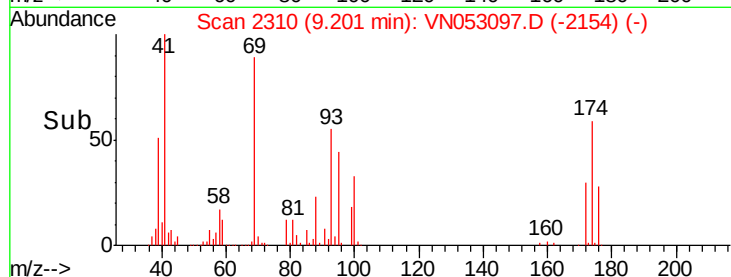
58 71.6 61.5 92.3



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 22.861 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

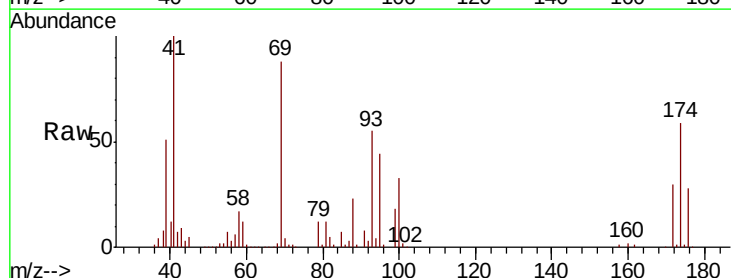
Tgt Ion: 41 Resp: 179309

Ion Ratio Lower Upper

41 100

69 89.3 42.5 127.6

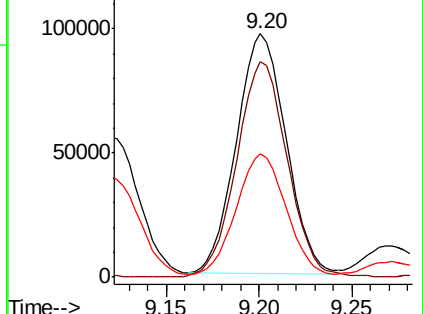
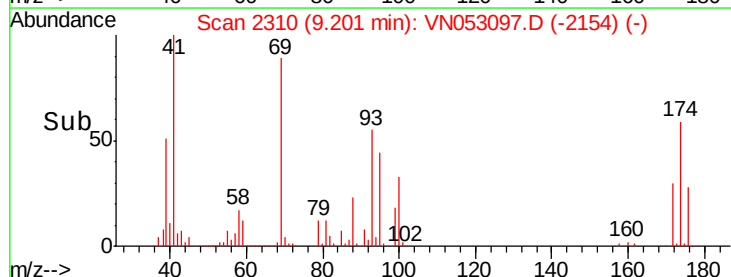
39 50.3 26.3 78.9

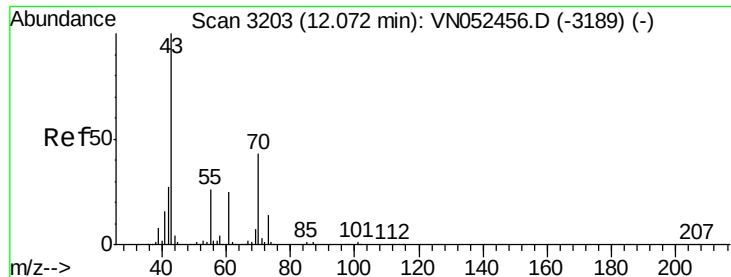


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 25.563 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

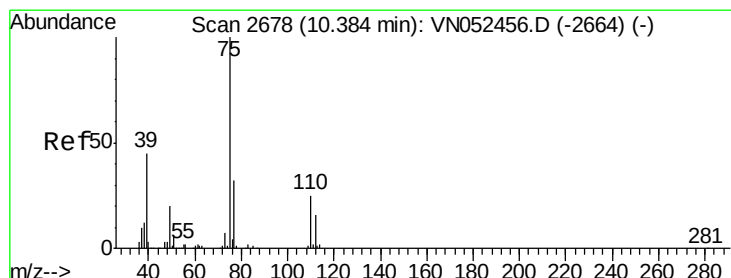
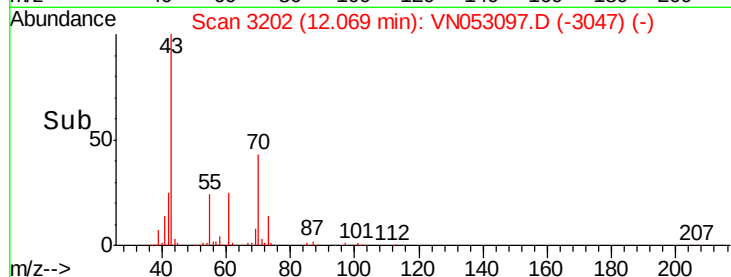
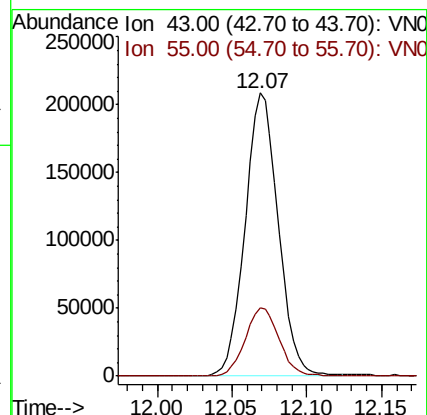
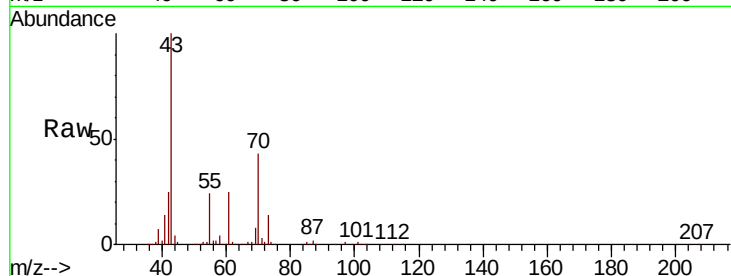
VSTDCCC020EC

Tot Ion: 43 Resp: 320189

Ion Ratio Lower Upper

43 100

55 24.9 21.1 31.7



#48

t-1,3-Dichloropropene

Concen: 21.539 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053097.D

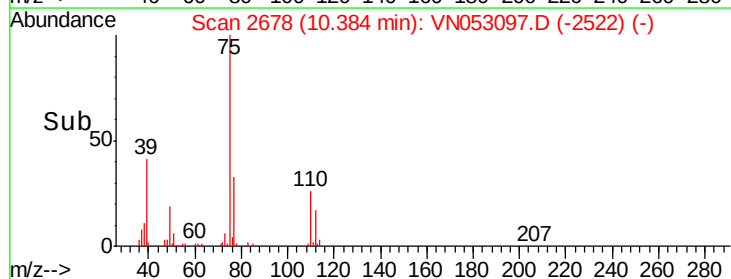
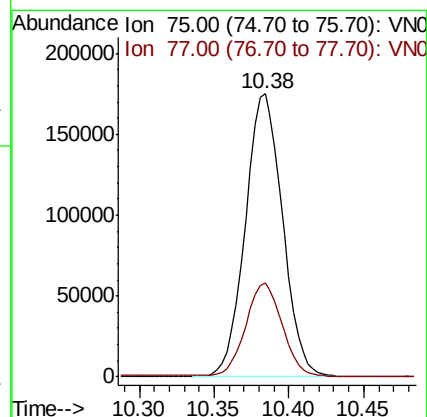
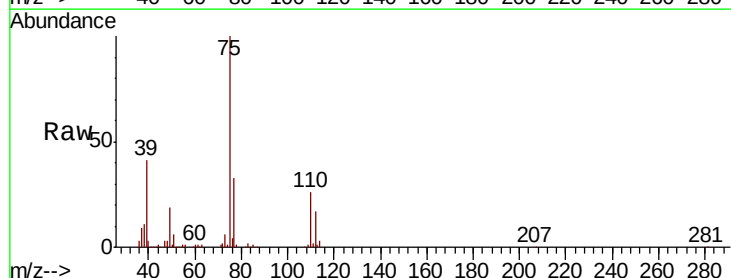
Acq: 21 Dec 2018 11:38

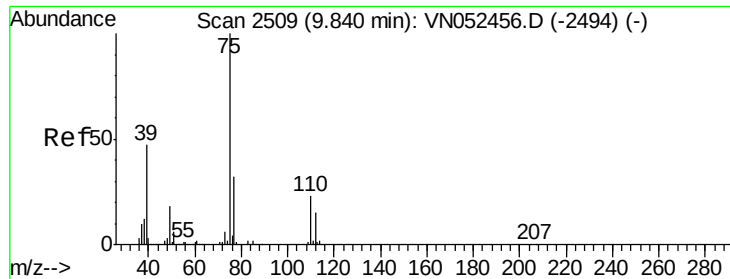
Tgt Ion: 75 Resp: 304208

Ion Ratio Lower Upper

75 100

77 32.8 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 20.705 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

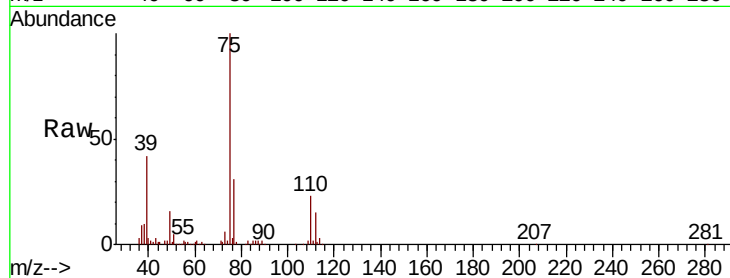
Tot Ion: 75 Resp: 356281

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 41.5 37.3 55.9

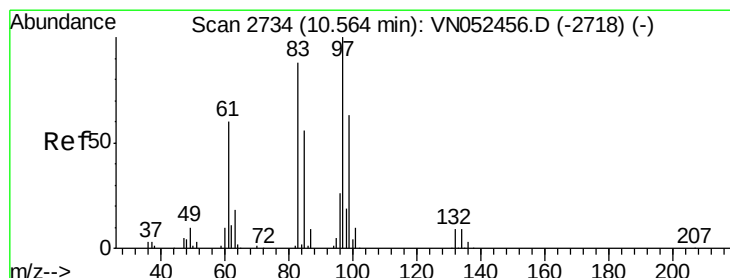
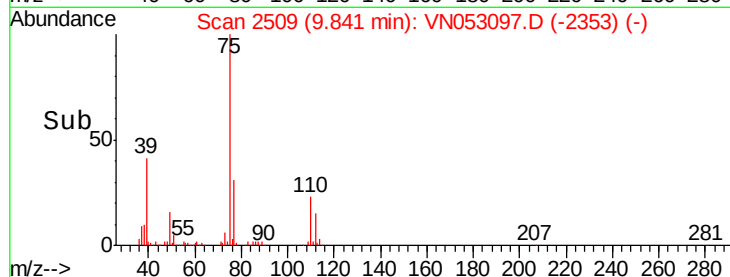
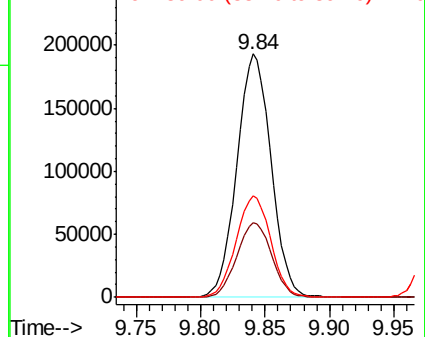


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 22.261 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Tgt Ion: 97 Resp: 208040

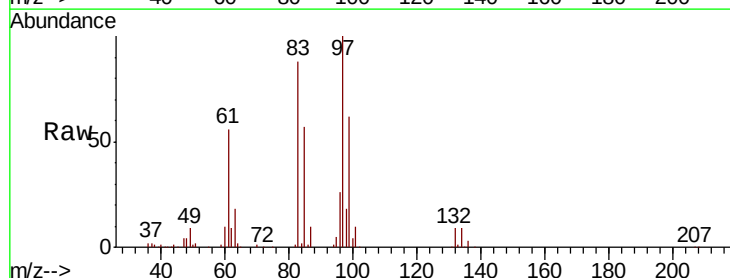
Ion Ratio Lower Upper

97 100

83 87.3 70.4 105.6

85 57.2 45.0 67.6

99 62.2 50.2 75.2



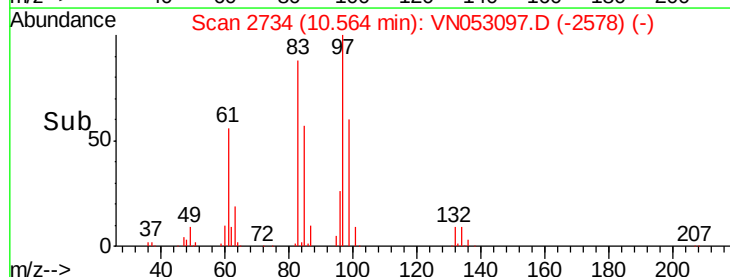
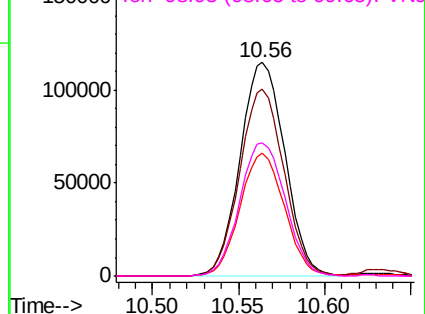
Abundance

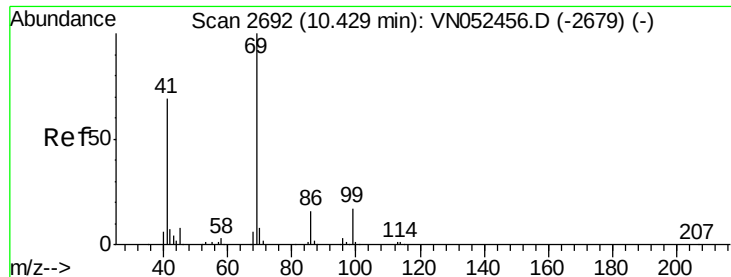
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 24.222 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

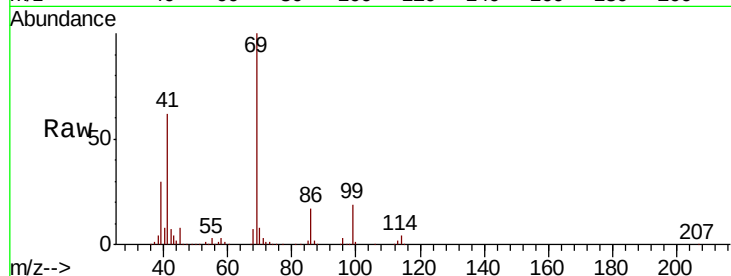
Tot Ion: 69 Resp: 284307

Ion Ratio Lower Upper

69 100

41 61.8 34.4 103.3

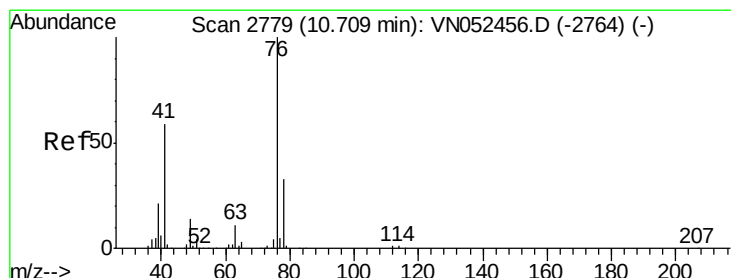
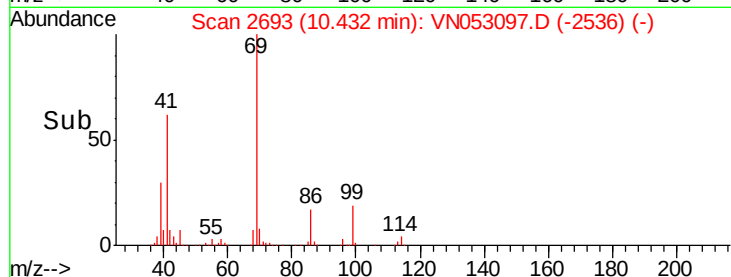
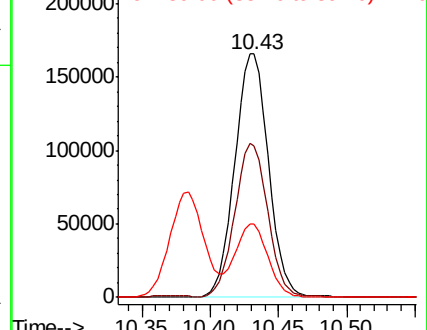
39 29.9 16.4 49.2



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: 21.405 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053097.D

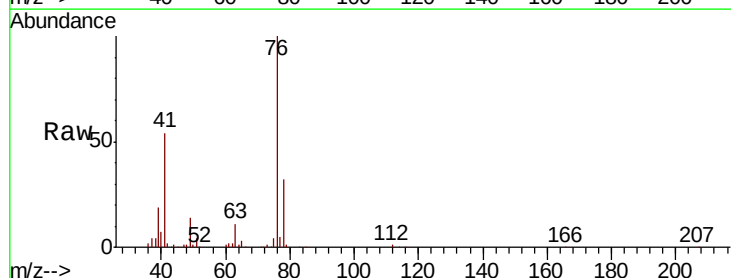
Acq: 21 Dec 2018 11:38

Tgt Ion: 76 Resp: 356073

Ion Ratio Lower Upper

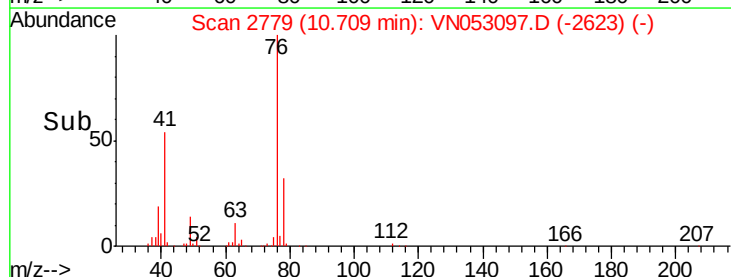
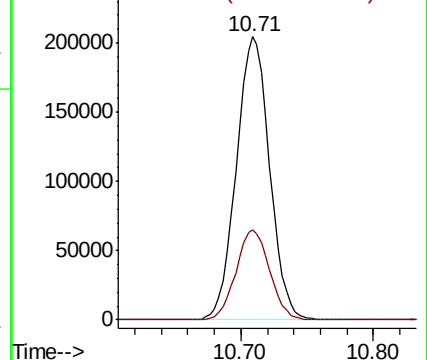
76 100

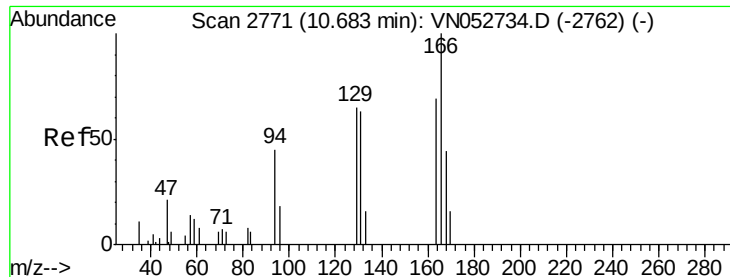
78 32.2 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 22.126 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

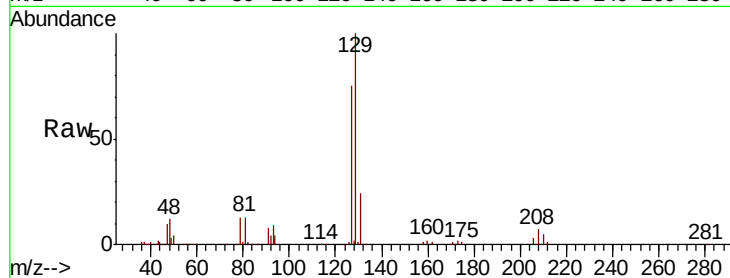
VSTDCCC020EC

Tot Ion:129 Resp: 227655

Ion Ratio Lower Upper

129 100

127 76.3 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

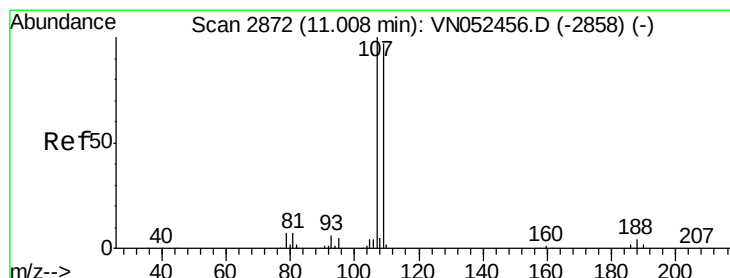
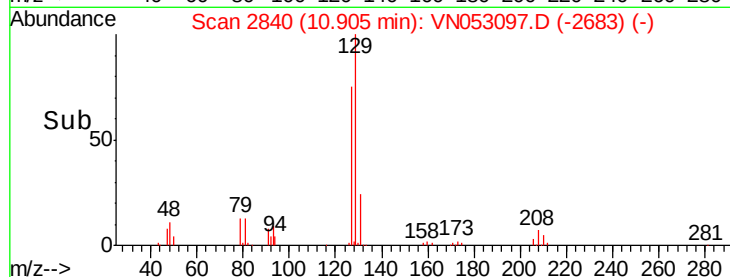
150000

100000

50000

0

Time-->



#54

1,2-Dibromoethane

Concen: 23.287 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053097.D

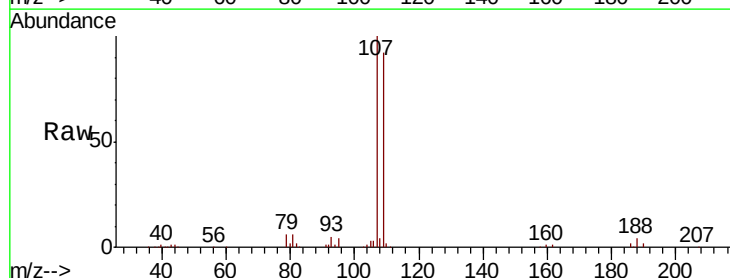
Acq: 21 Dec 2018 11:38

Tgt Ion:107 Resp: 212663

Ion Ratio Lower Upper

107 100

109 93.0 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

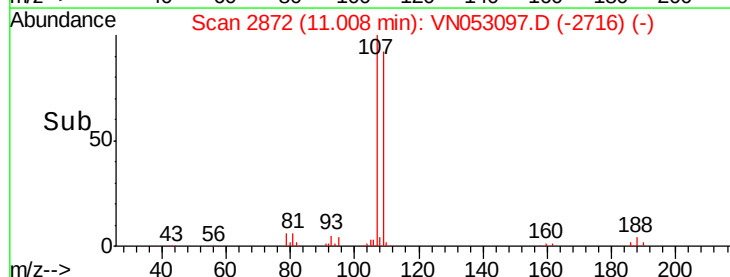
11.01

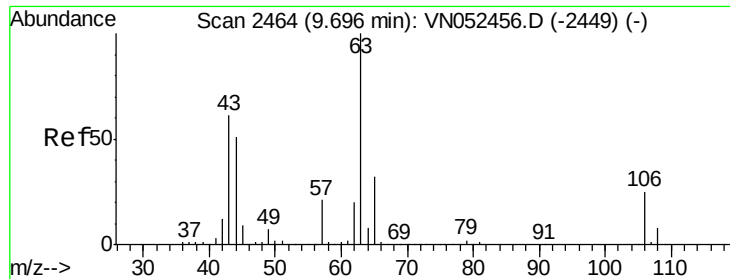
100000

50000

0

Time-->

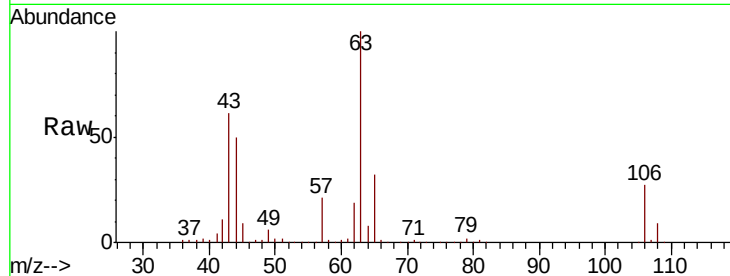




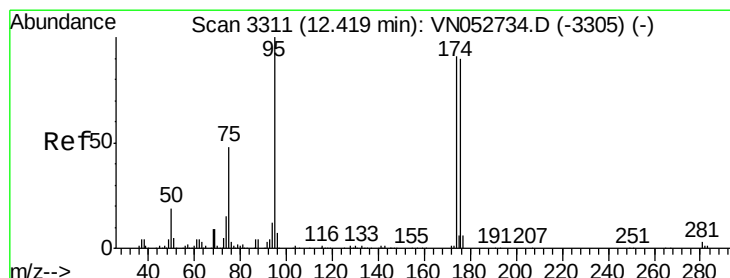
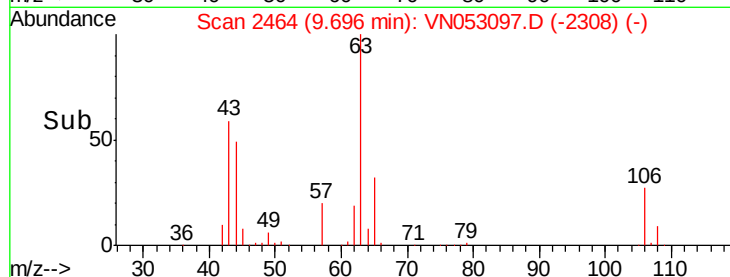
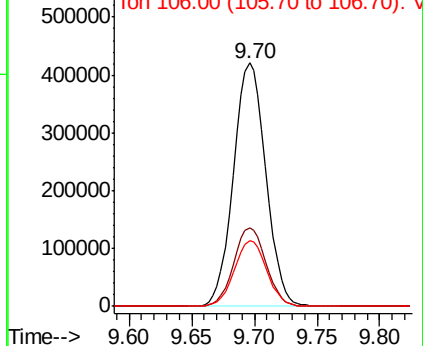
#55
2-Chloroethyl vinyl ether
Concen: 109.898 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 63 Resp: 755069
Ion Ratio Lower Upper
63 100
65 32.3 25.4 38.2
106 27.0 20.4 30.6

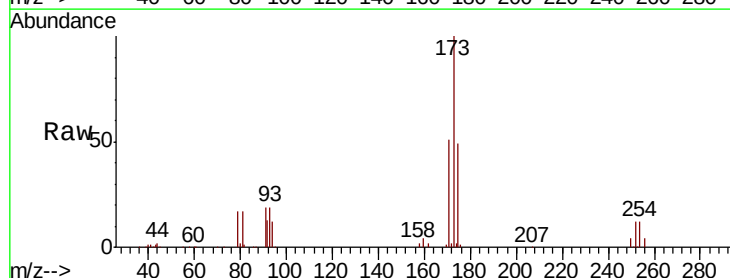


Abundance Ion 63.00 (62.70 to 63.70): VN052456.D (-2449) (-)
Ion 65.00 (64.70 to 65.70): VN052456.D (-2449) (-)
Ion 106.00 (105.70 to 106.70): VN052456.D (-2449) (-)

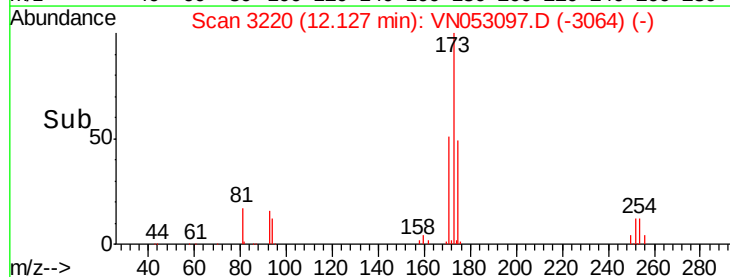
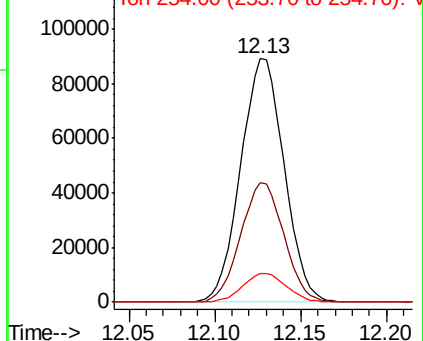


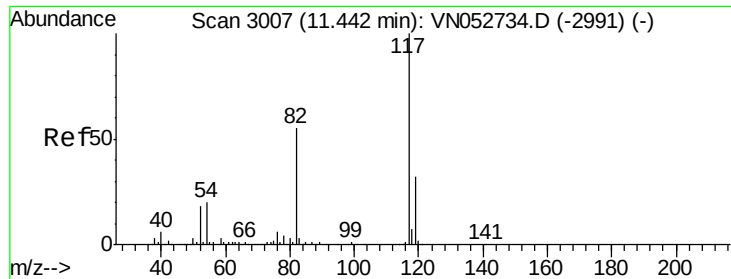
#56
Bromoform
Concen: 23.291 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Tgt Ion: 173 Resp: 156641
Ion Ratio Lower Upper
173 100
175 48.7 38.7 58.1
254 11.9 8.4 12.6



Abundance Ion 173.00 (172.70 to 173.70): VN052734.D (-3305) (-)
Ion 175.00 (174.70 to 175.70): VN052734.D (-3305) (-)
Ion 254.00 (253.70 to 254.70): VN052734.D (-3305) (-)

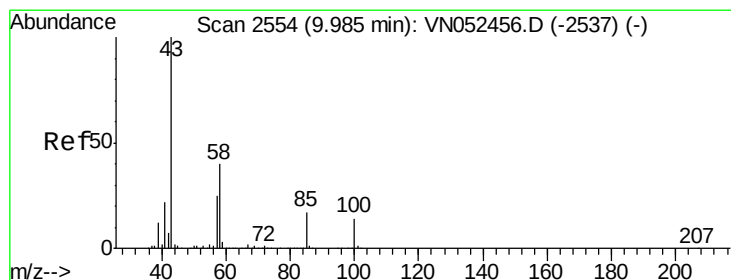
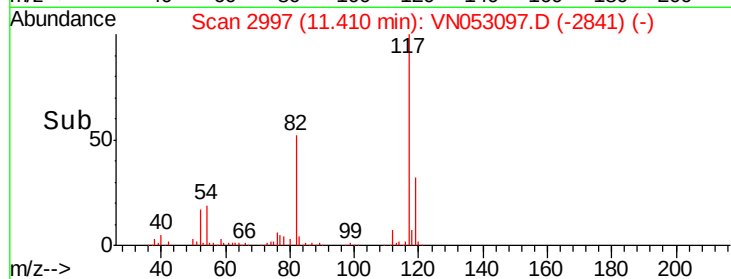
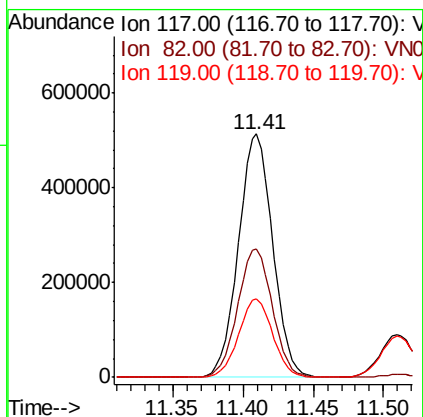
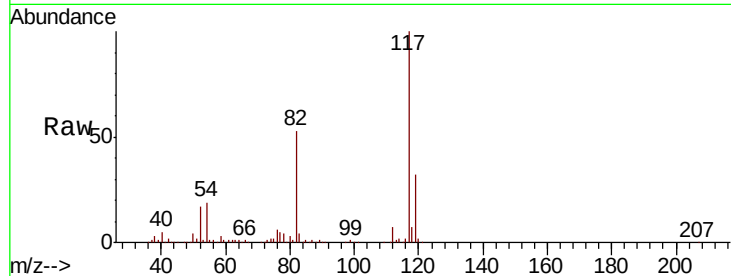




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

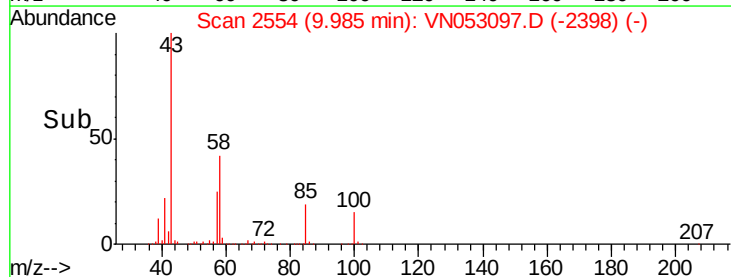
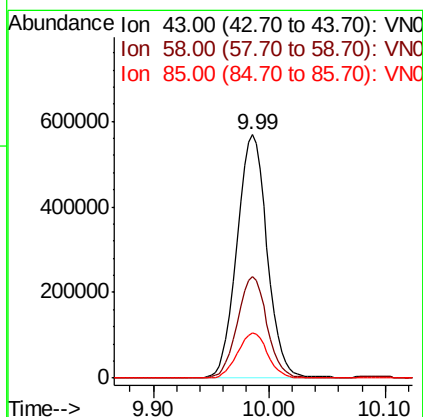
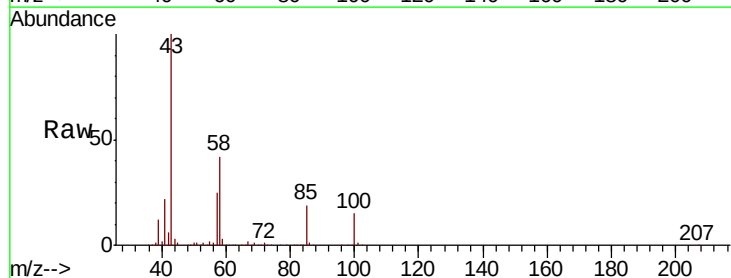
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

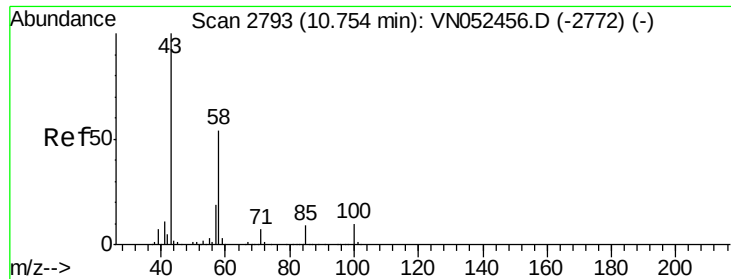
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	44.2	66.2
119	32.1	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 120.262 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.2	31.6	47.4
85	18.6	13.3	19.9

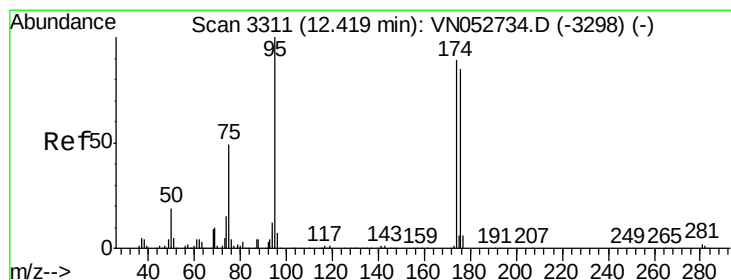
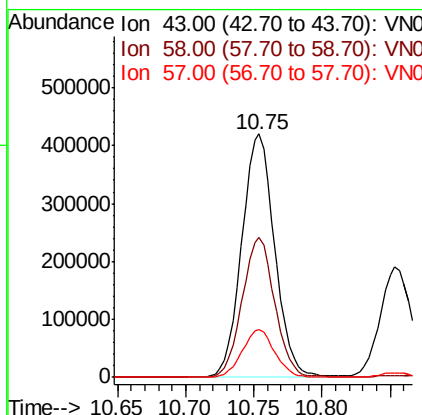
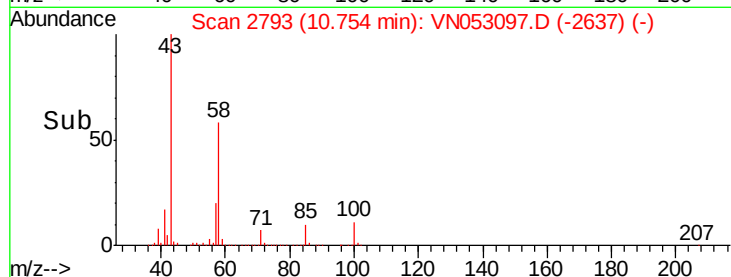
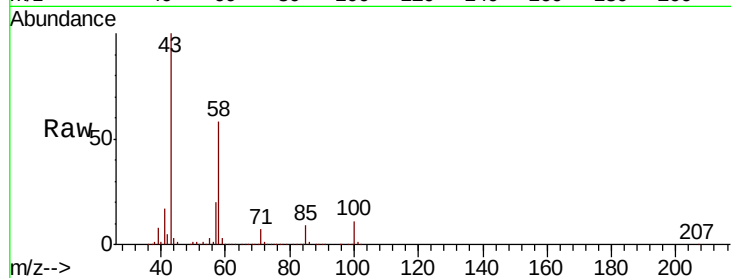




#59
2-Hexanone
Concen: 120.921 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

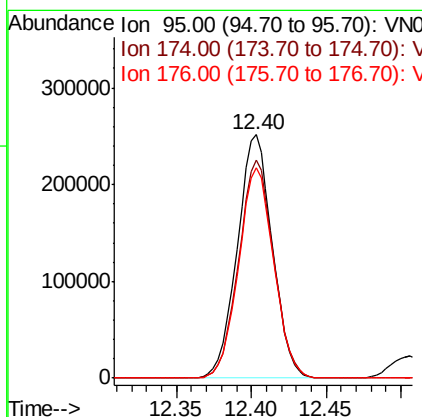
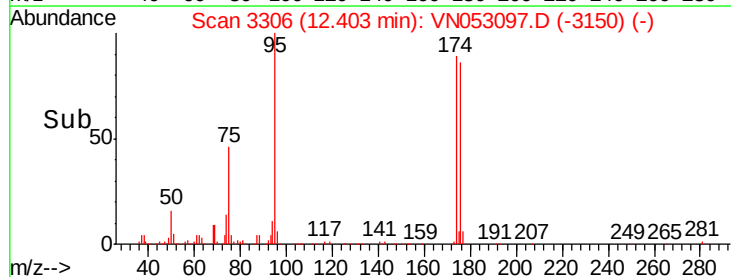
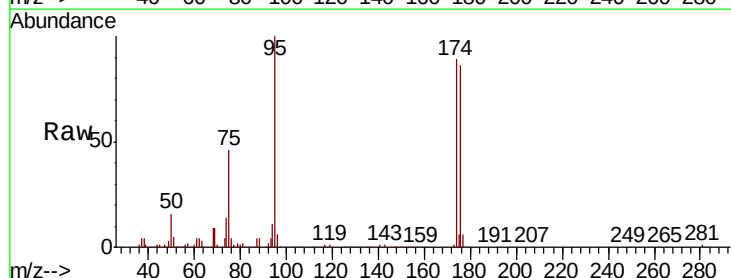
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

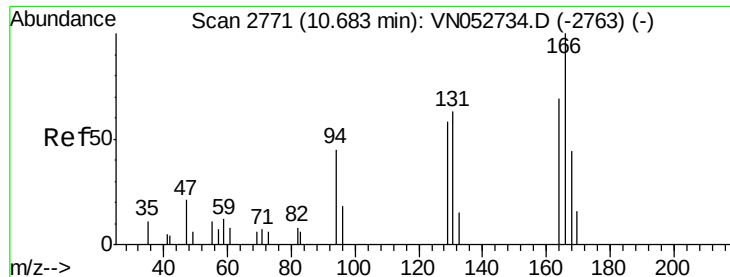
Tot Ion: 43 Resp: 700860
Ion Ratio Lower Upper
43 100
58 57.2 43.2 64.8
57 19.6 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 120.921 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Tgt Ion: 95 Resp: 408769
Ion Ratio Lower Upper
95 100
174 89.6 67.9 101.9
176 86.7 66.4 99.6





#61

Tetrachloroethene

Concen: 24.827 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 267604

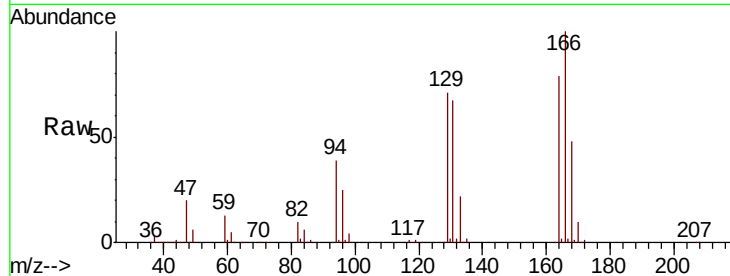
Ion Ratio Lower Upper

164 100

166 126.9 104.6 157.0

129 89.8 75.3 112.9

131 85.7 74.3 111.5

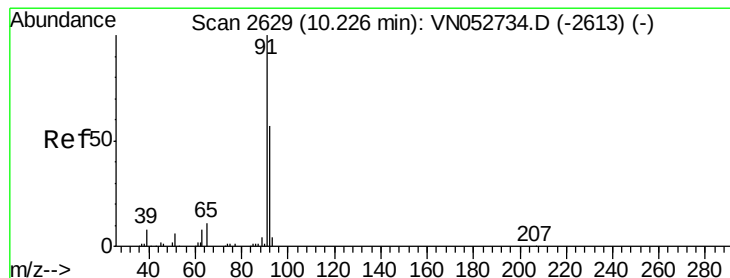
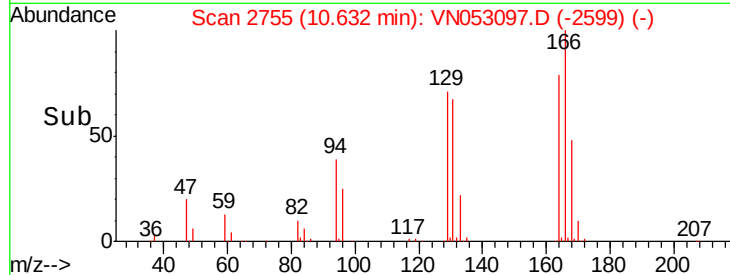
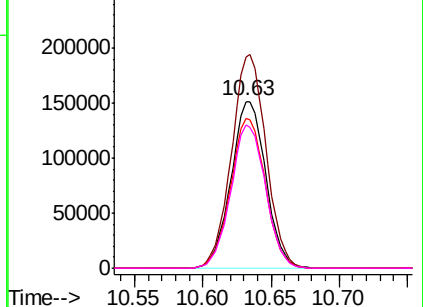


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.516 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN053097.D

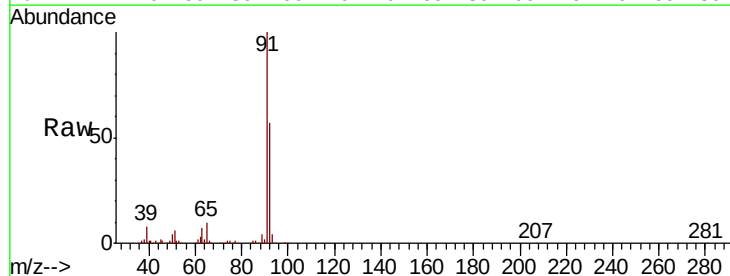
Acq: 21 Dec 2018 11:38

Tgt Ion: 91 Resp: 989836

Ion Ratio Lower Upper

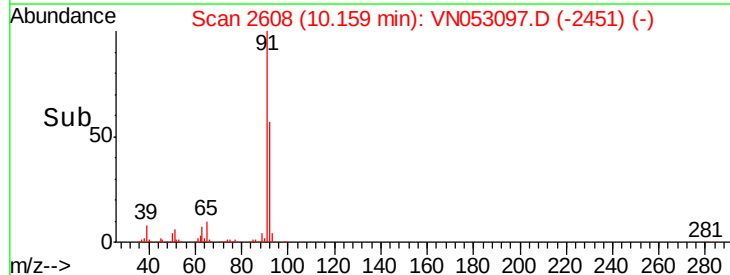
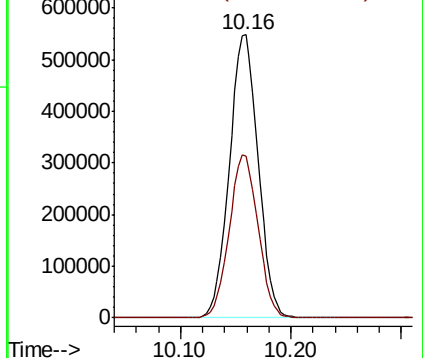
91 100

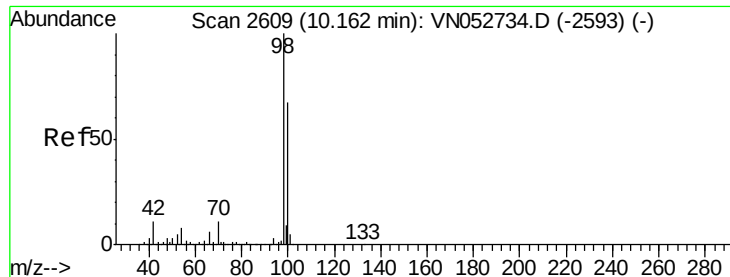
92 57.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.516 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

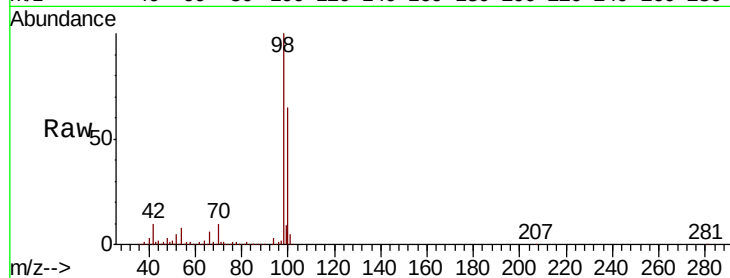
VSTDCCC020EC

Tot Ion: 98 Resp: 1154633

Ion Ratio Lower Upper

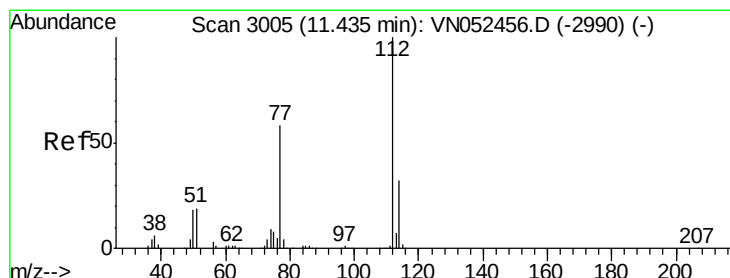
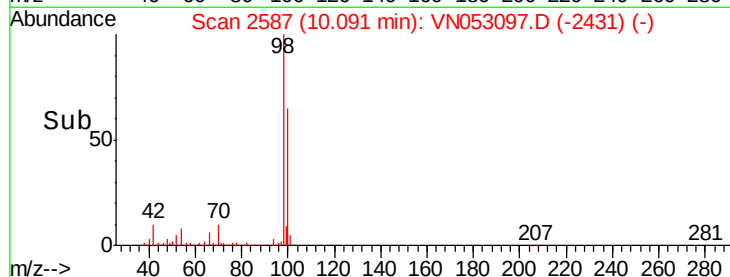
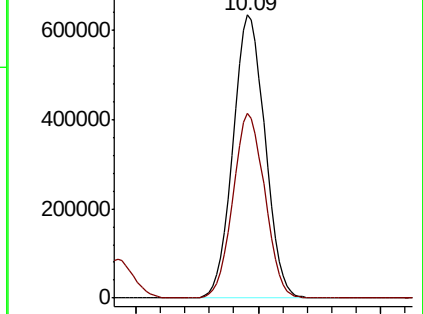
98 100

100 64.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052734.D (-2593) (-)

Ion 100.00 (99.70 to 100.70): VN052734.D (-2593) (-)



#64

Chlorobenzene

Concen: 21.336 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053097.D

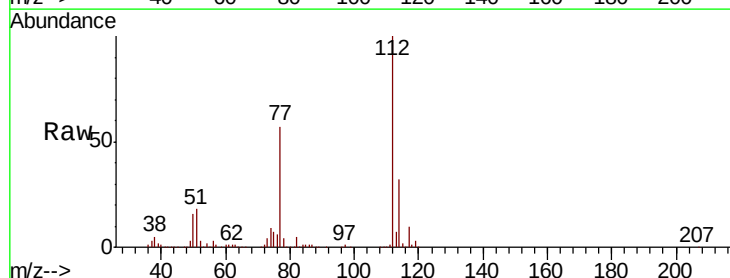
Acq: 21 Dec 2018 11:38

Tgt Ion: 112 Resp: 628299

Ion Ratio Lower Upper

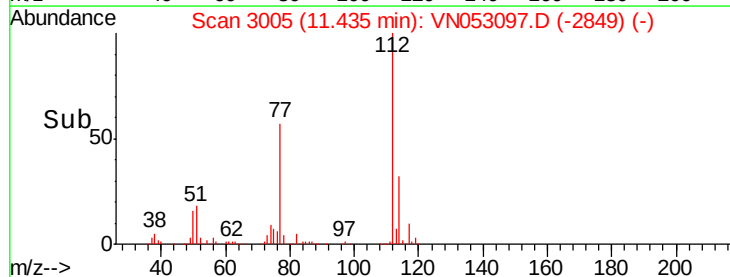
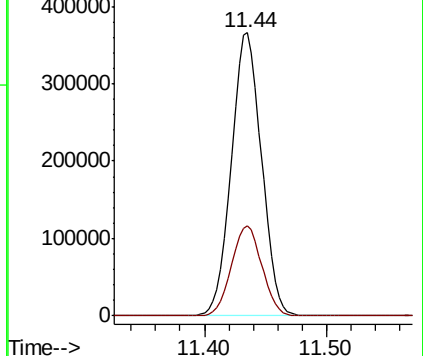
112 100

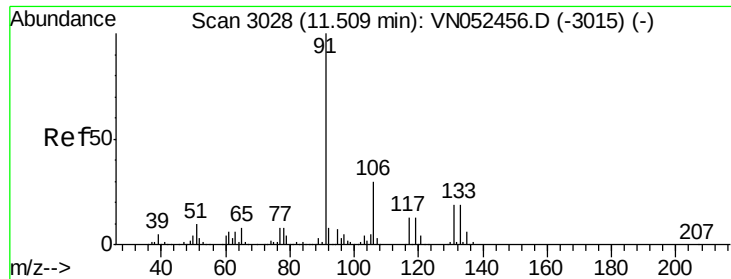
114 31.9 25.6 38.4



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

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 21.505 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

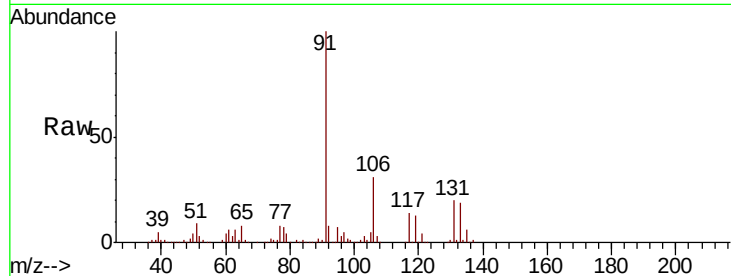
Tot Ion:131 Resp: 219813

Ion Ratio Lower Upper

131 100

133 97.5 0.0 193.4

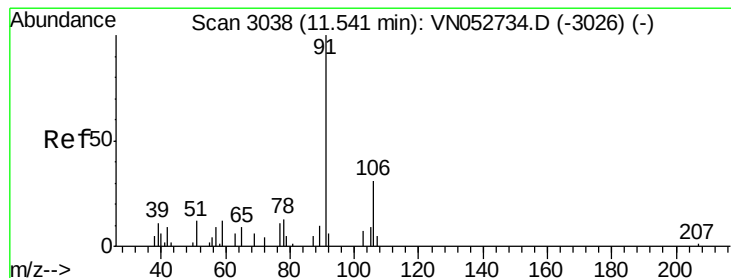
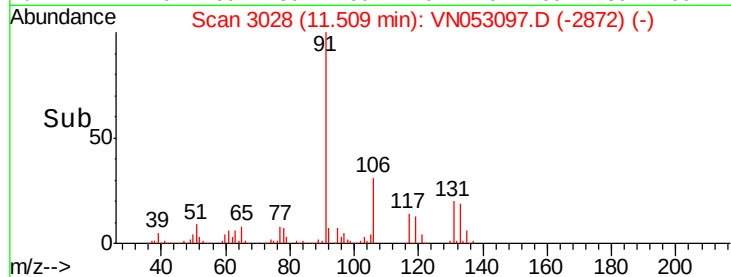
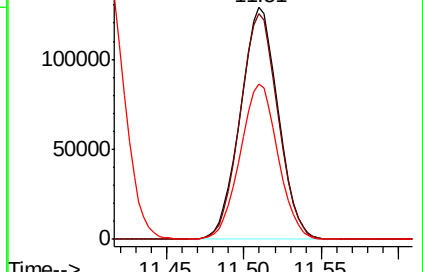
119 66.9 0.0 133.0



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: 20.798 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053097.D

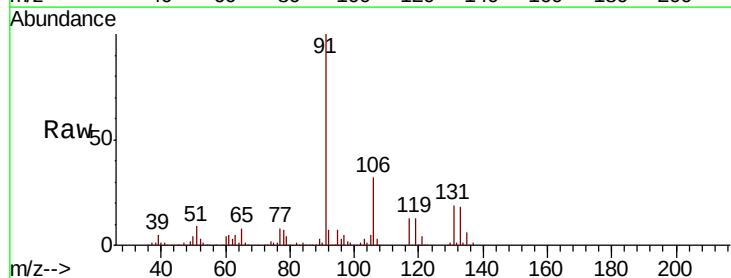
Acq: 21 Dec 2018 11:38

Tgt Ion: 91 Resp: 1081447

Ion Ratio Lower Upper

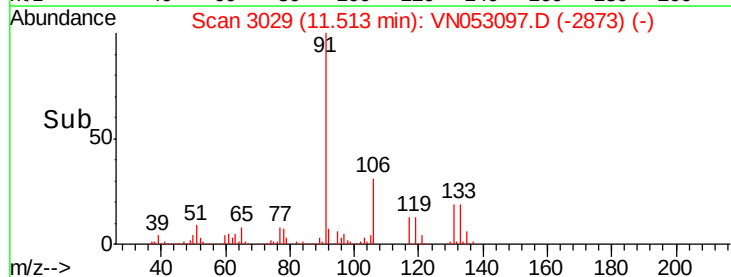
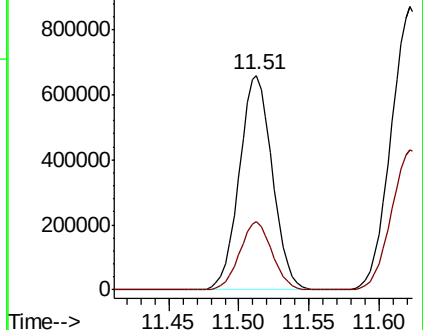
91 100

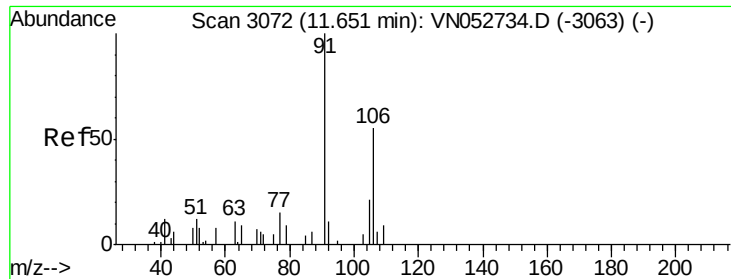
106 31.7 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

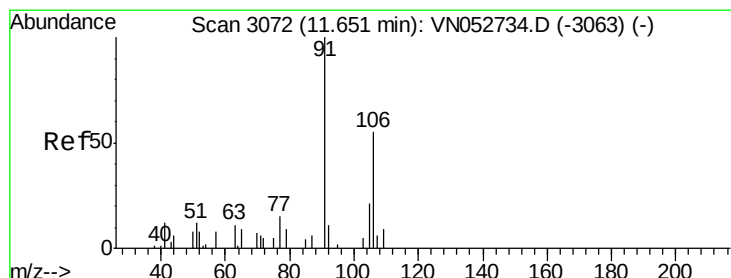
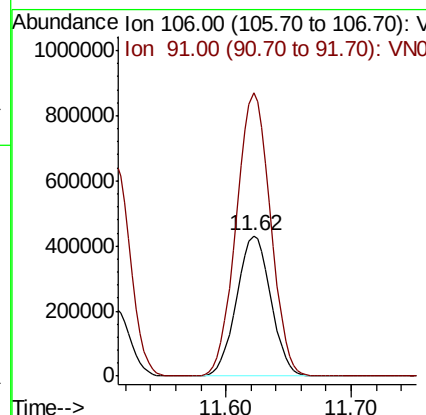
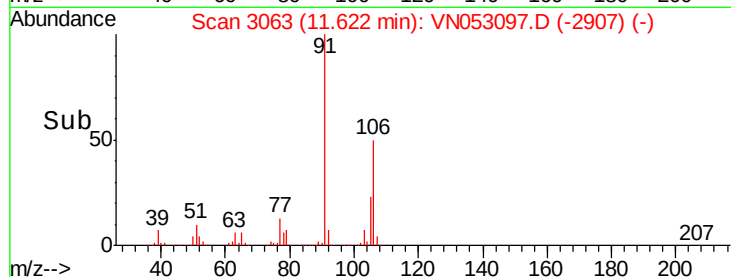
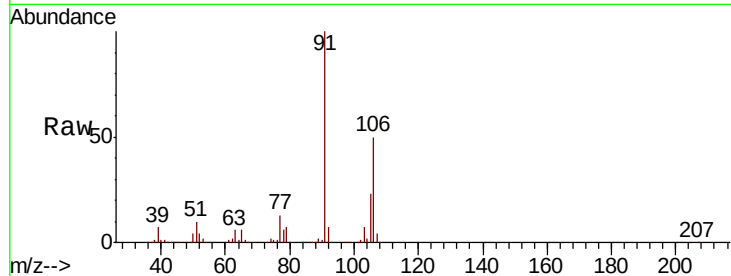




#67
m/p-Xylenes
Concen: 42.137 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

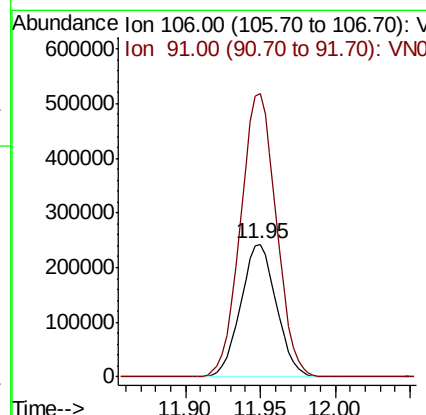
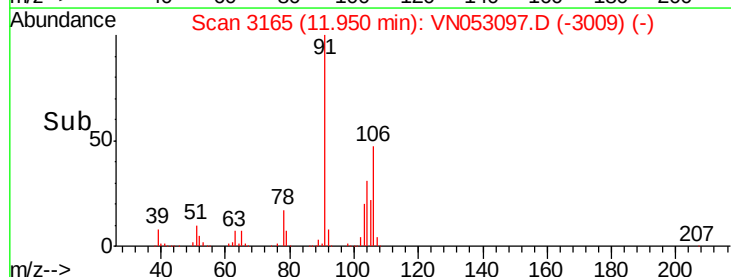
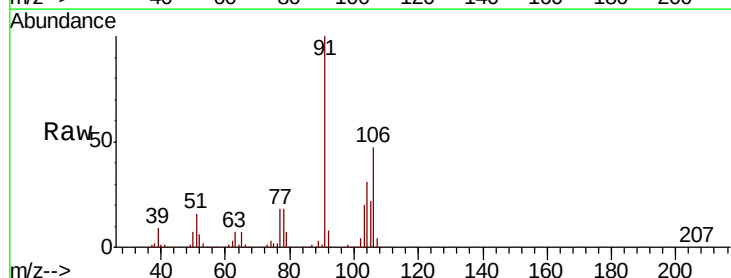
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

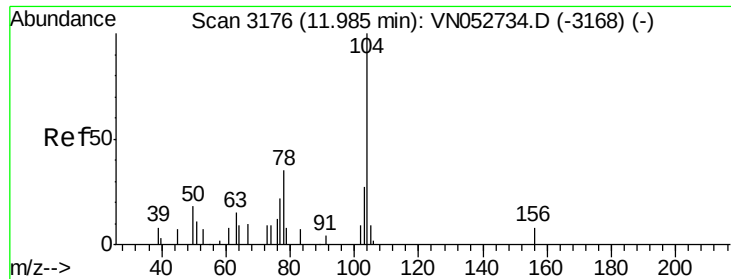
Tot Ion:106 Resp: 816281
Ion Ratio Lower Upper
106 100
91 202.2 163.9 245.9



#68
o-Xylene
Concen: 21.402 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Tgt Ion:106 Resp: 402420
Ion Ratio Lower Upper
106 100
91 214.4 107.8 323.4

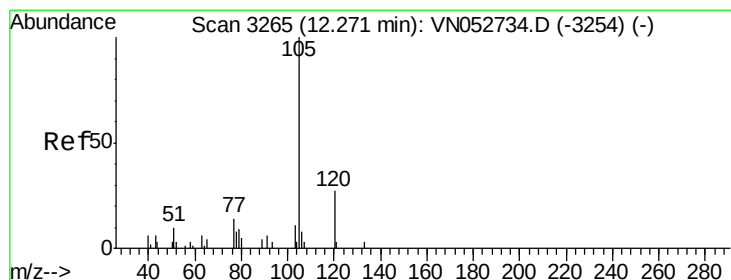
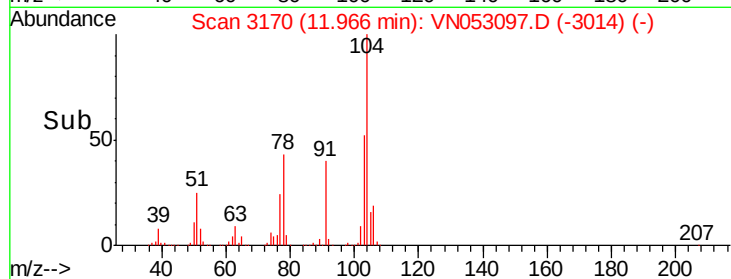
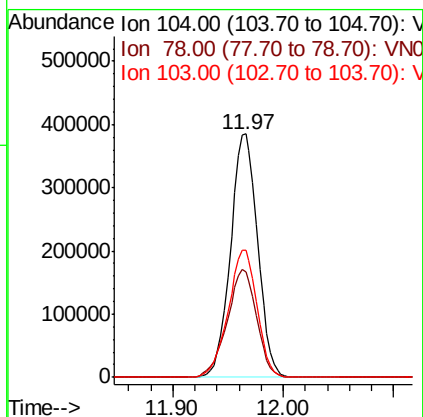
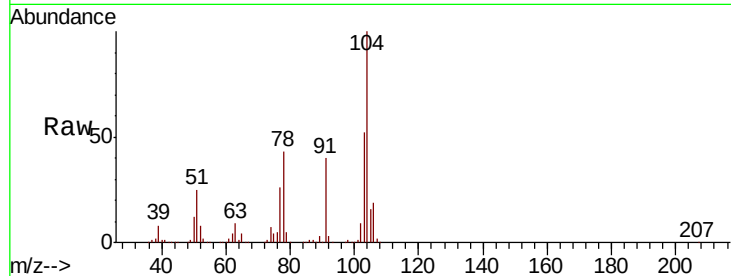




#69
Stvrene
Concen: 21.538 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

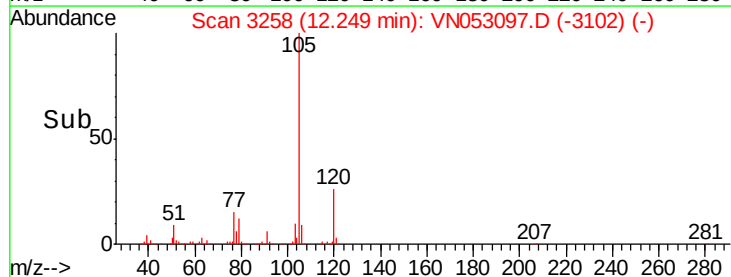
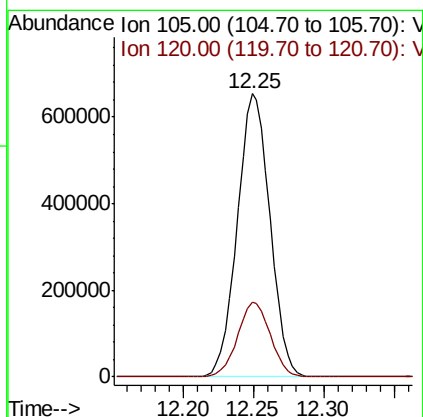
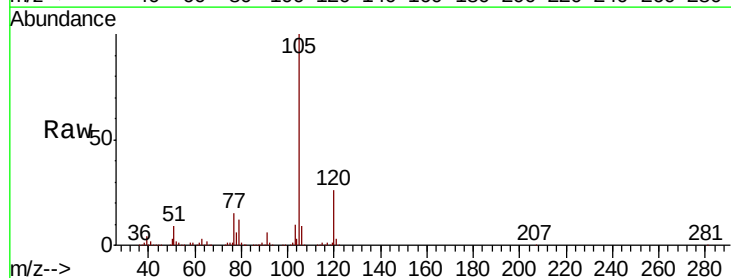
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

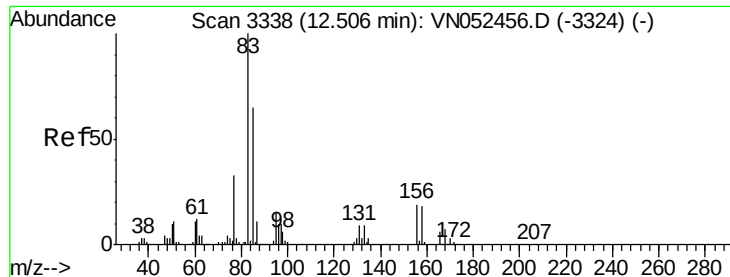
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	39.3	58.9
103	55.9	44.6	66.8



#70
Isopropylbenzene
Concen: 21.190 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053097.D
Acq: 21 Dec 2018 11:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.6	34.6

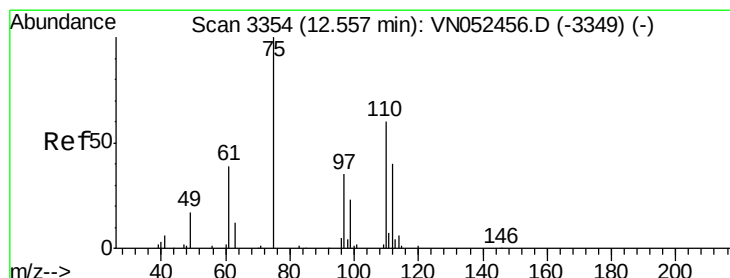
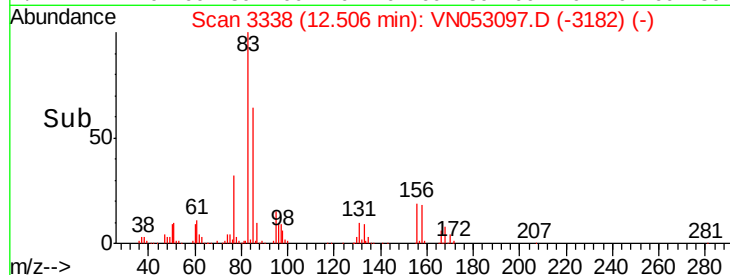
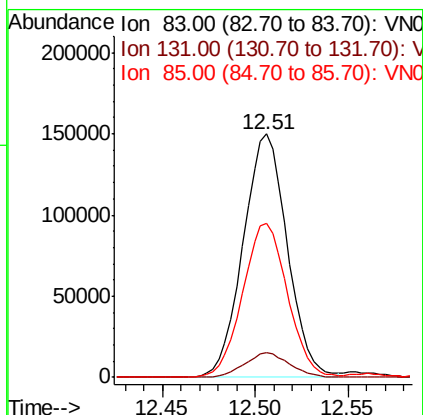
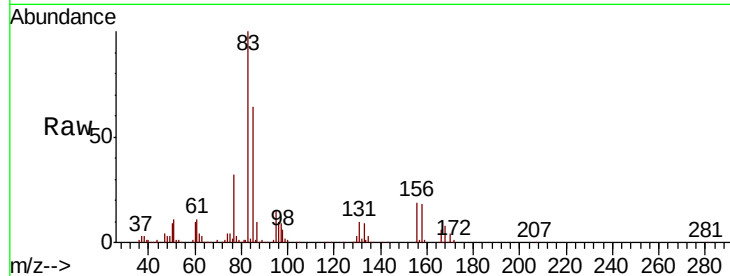




#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.854 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN053097.D
 Acq: 21 Dec 2018 11:38

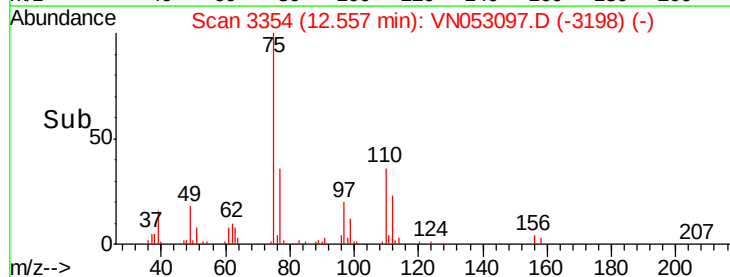
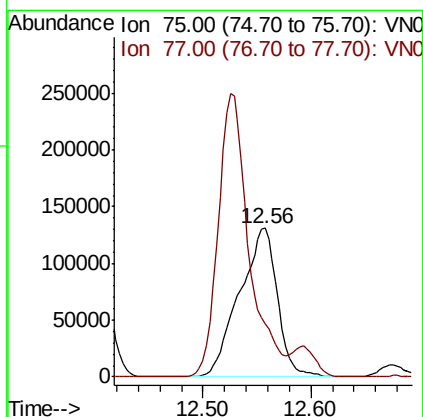
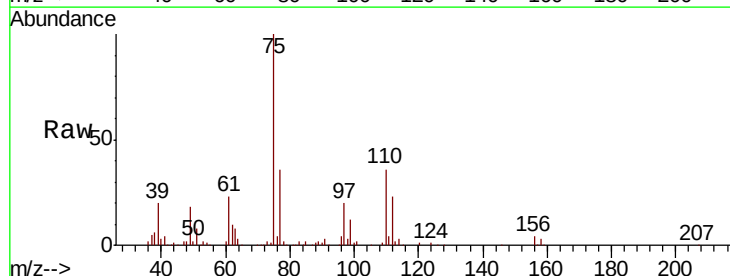
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

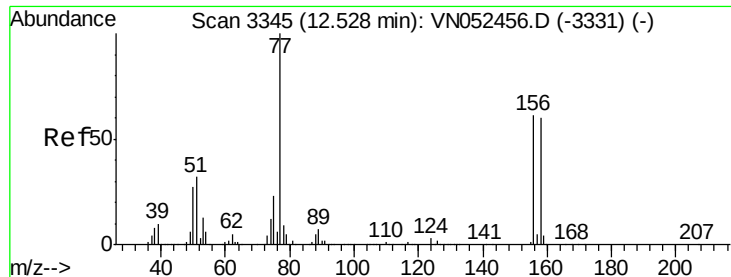
Tot Ion	83	Resp	248713
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.6
85	64.3	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 34.318 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN053097.D
 Acq: 21 Dec 2018 11:38

Tgt Ion	75	Resp	320599
Ion Ratio	Lower	Upper	
75	100		
77	154.1	0.0	514.8





#73

Bromobenzene

Concen: 22.532 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

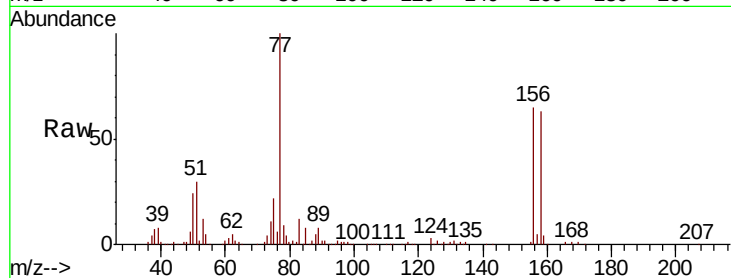
Tot Ion:156 Resp: 272633

Ion Ratio Lower Upper

156 100

77 181.2 0.0 382.6

158 97.0 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V

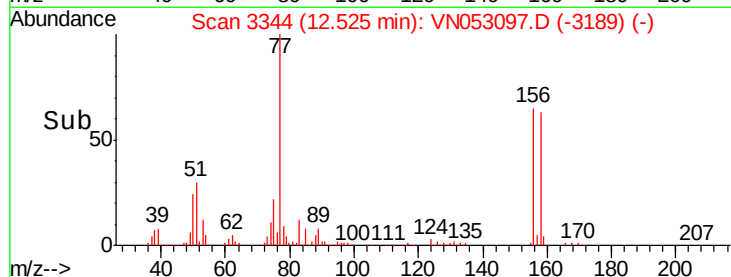
300000

200000

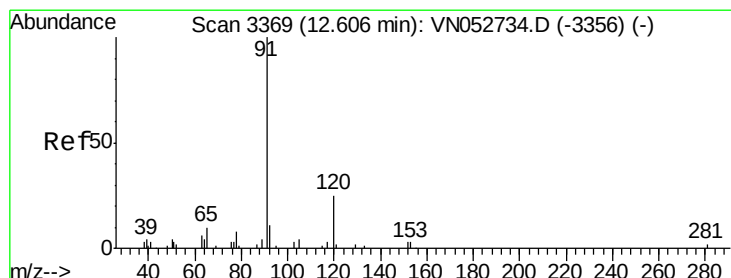
100000

0

12.45 12.50 12.55 12.60



Time-->



#74

n-propylbenzene

Concen: 20.321 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053097.D

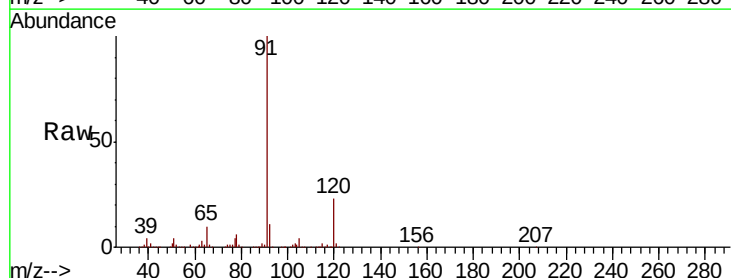
Acq: 21 Dec 2018 11:38

Tgt Ion: 91 Resp: 1184530

Ion Ratio Lower Upper

91 100

120 23.0 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

800000

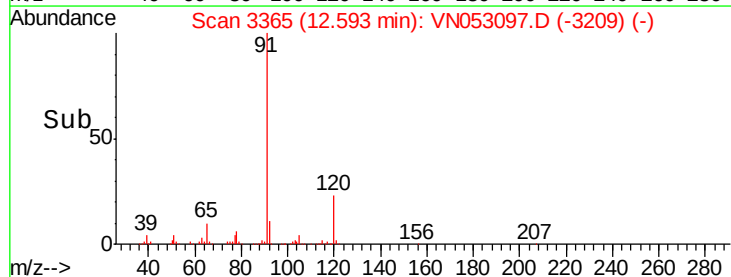
600000

400000

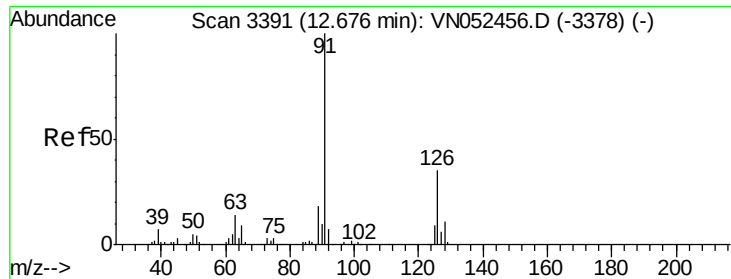
200000

0

12.55 12.60 12.65



Time-->



#75

2-Chlorotoluene

Concen: 21.119 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

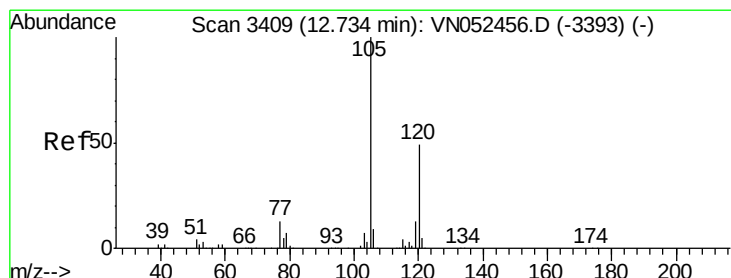
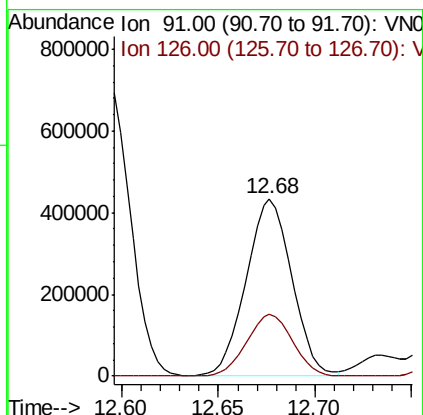
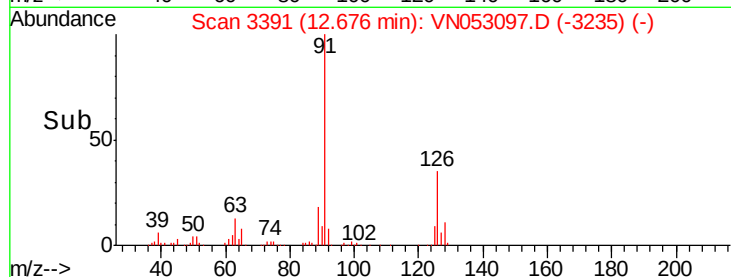
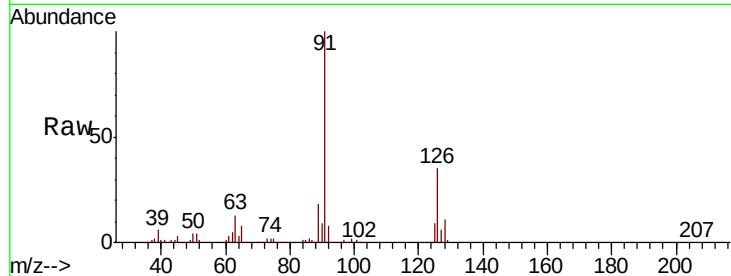
VSTDCCC020EC

Tot Ion: 91 Resp: 714546

Ion Ratio Lower Upper

91 100

126 35.0 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 20.717 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053097.D

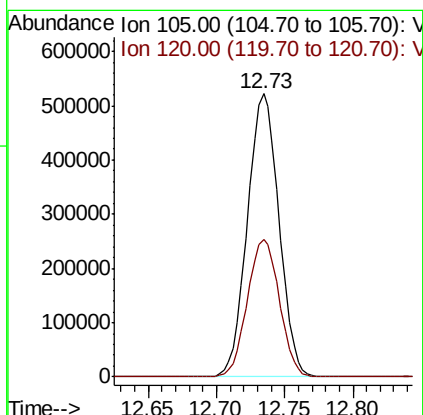
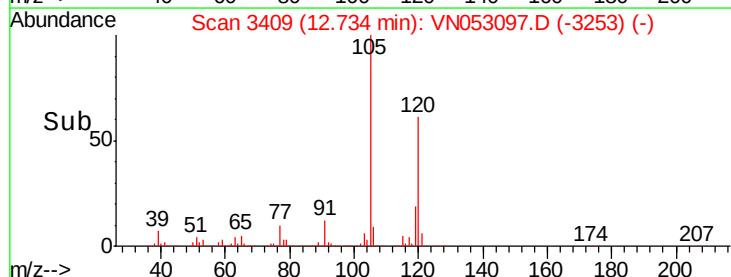
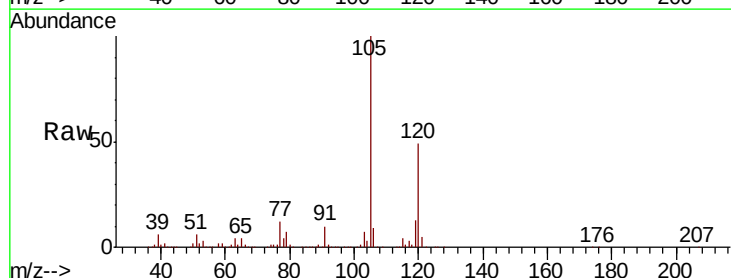
Acq: 21 Dec 2018 11:38

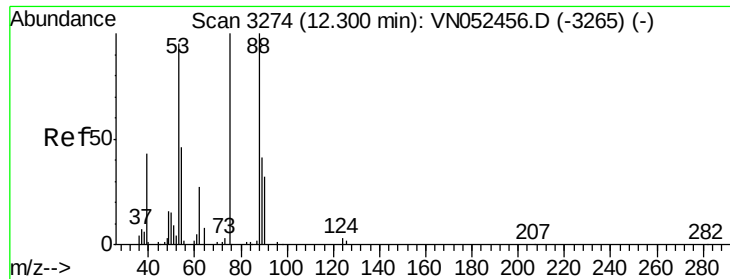
Tgt Ion: 105 Resp: 837150

Ion Ratio Lower Upper

105 100

120 49.3 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 23.537 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

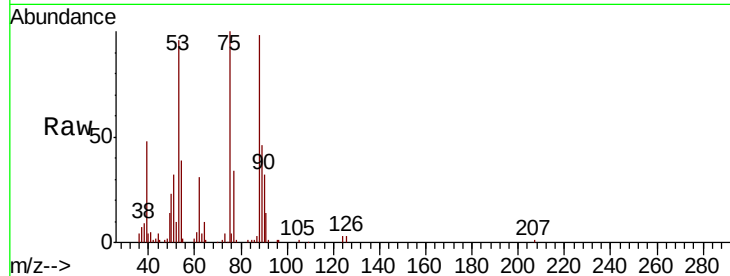
Tot Ion: 75 Resp: 69460

Ion Ratio Lower Upper

75 100

53 96.1 48.5 145.6

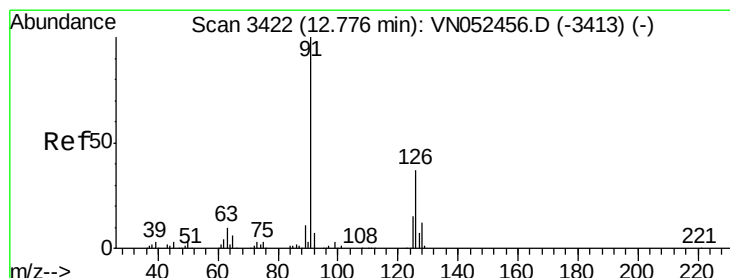
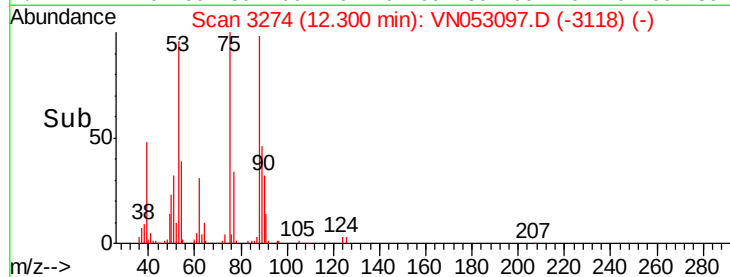
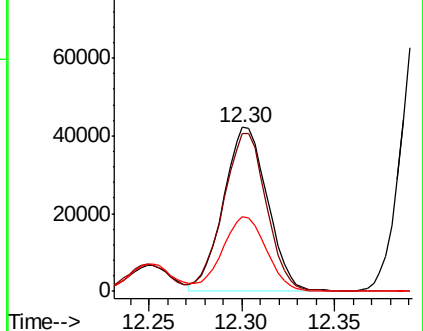
89 46.0 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 21.125 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053097.D

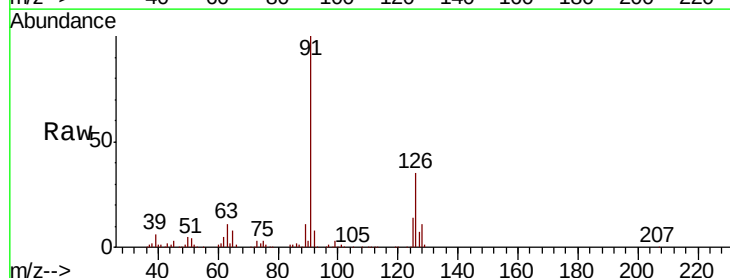
Acq: 21 Dec 2018 11:38

Tgt Ion: 91 Resp: 713762

Ion Ratio Lower Upper

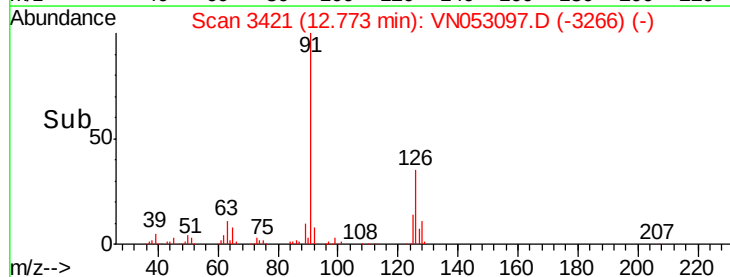
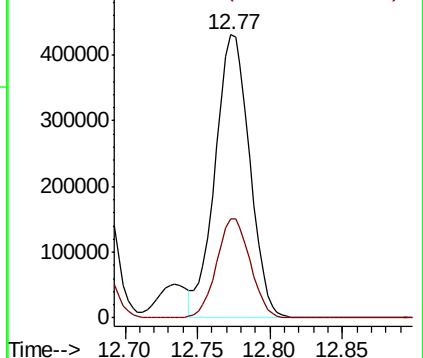
91 100

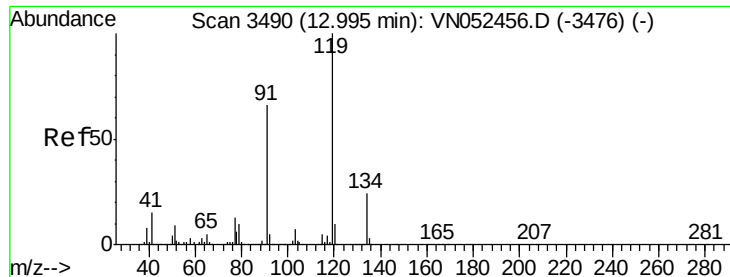
126 34.2 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 21.190 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

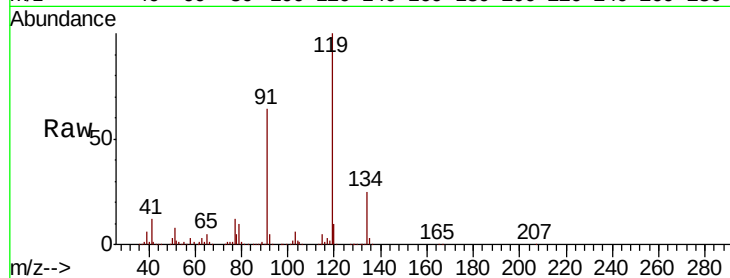
Tot Ion:119 Resp: 745701

Ion Ratio Lower Upper

119 100

91 62.9 0.0 129.8

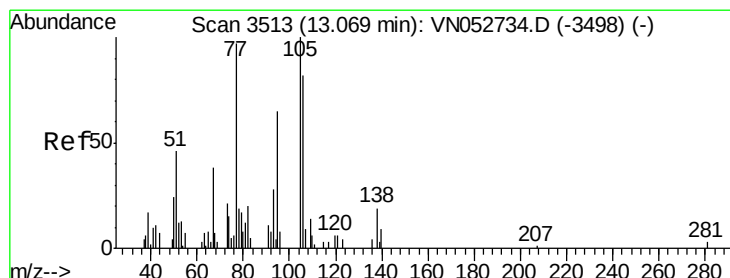
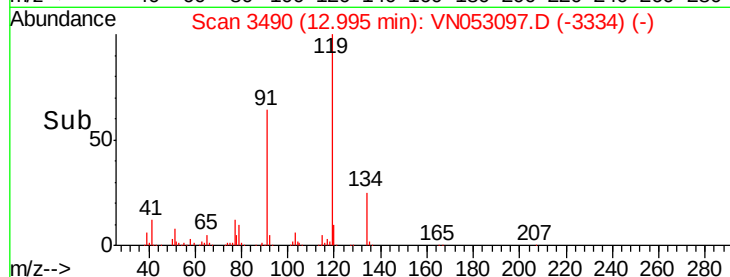
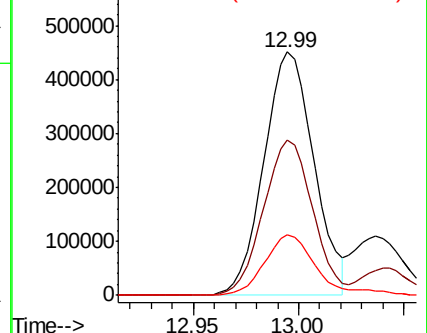
134 24.5 0.0 52.2



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: 20.822 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053097.D

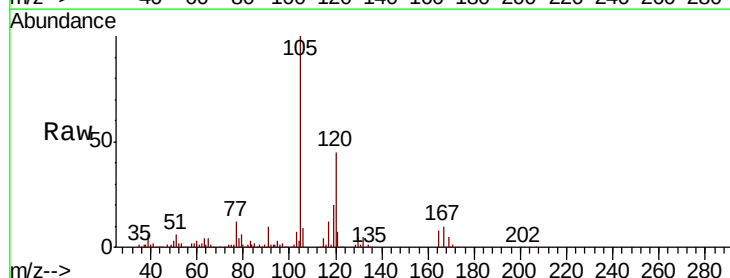
Acq: 21 Dec 2018 11:38

Tgt Ion:105 Resp: 841911

Ion Ratio Lower Upper

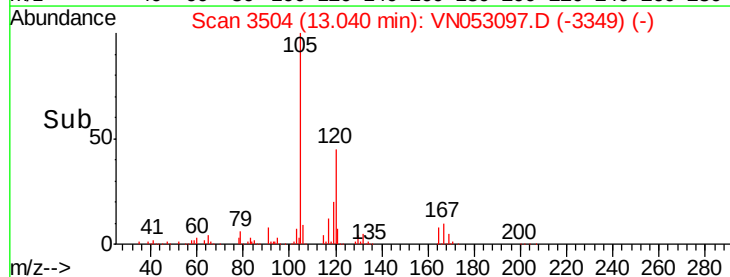
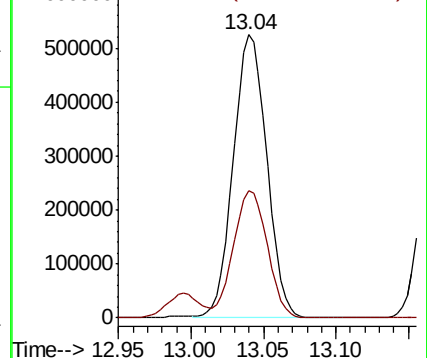
105 100

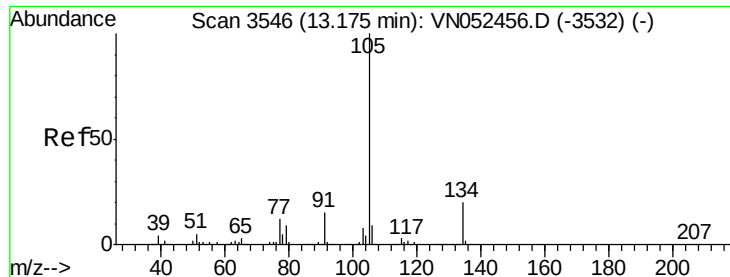
120 45.3 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.922 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

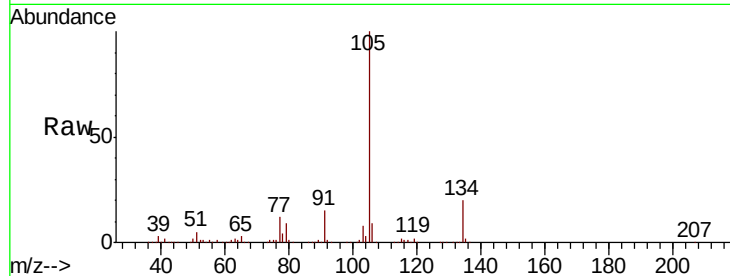
VSTDCCC020EC

Tot Ion:105 Resp: 976500

Ion Ratio Lower Upper

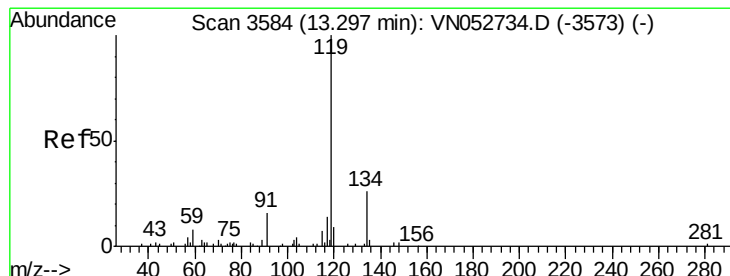
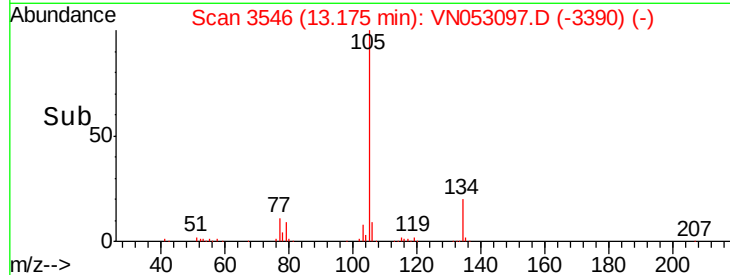
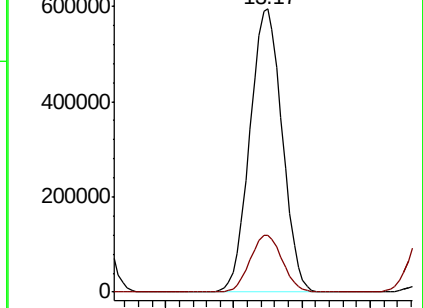
105 100

134 20.1 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.186 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

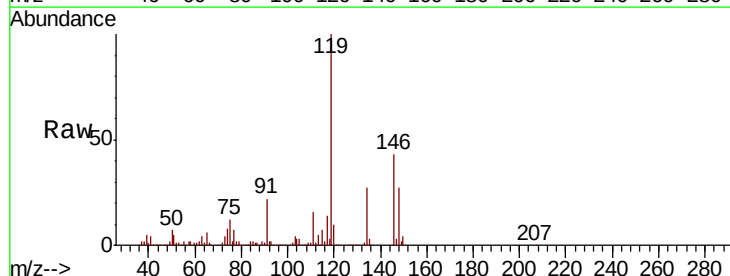
Tgt Ion:119 Resp: 842521

Ion Ratio Lower Upper

119 100

134 26.5 0.0 52.6

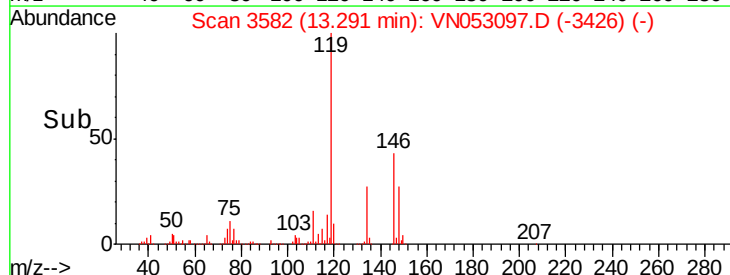
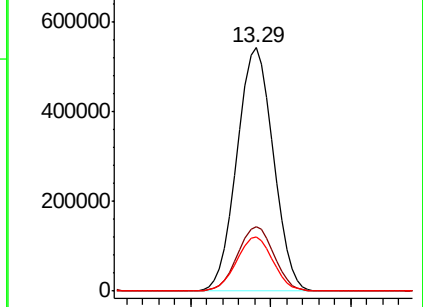
91 22.1 0.0 46.2

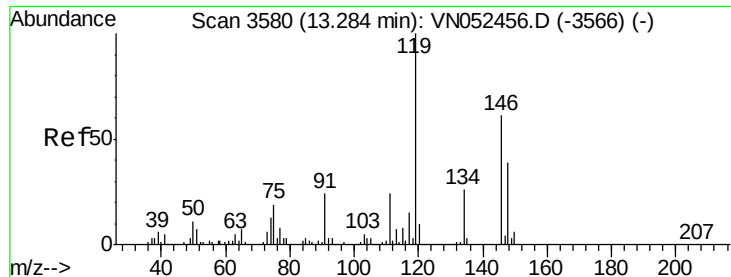


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

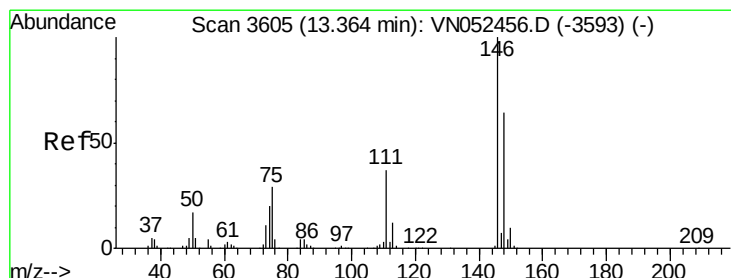
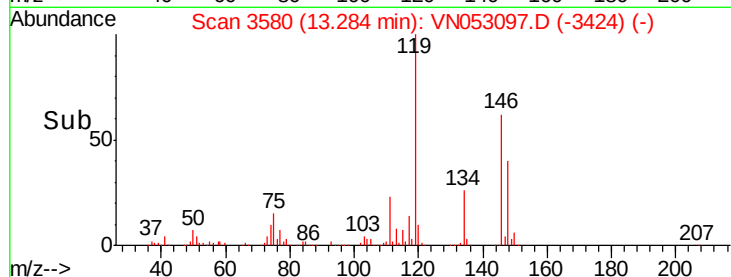
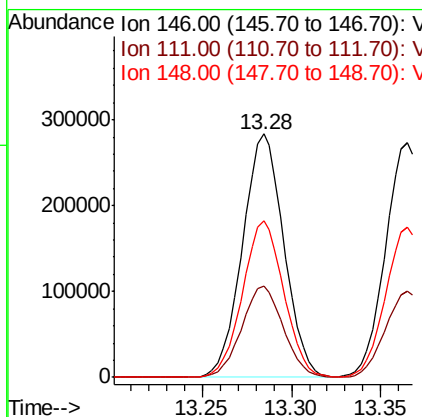
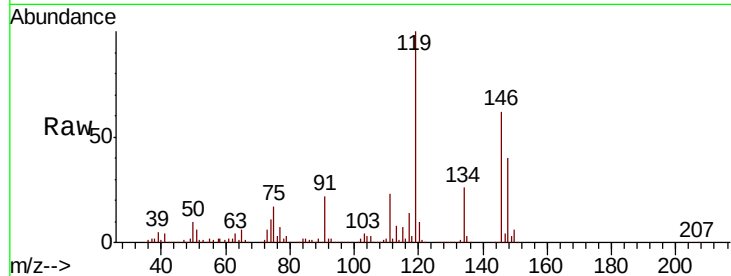




#83
 1,3-Dichlorobenzene
 Concen: 21.615 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053097.D
 Acq: 21 Dec 2018 11:38

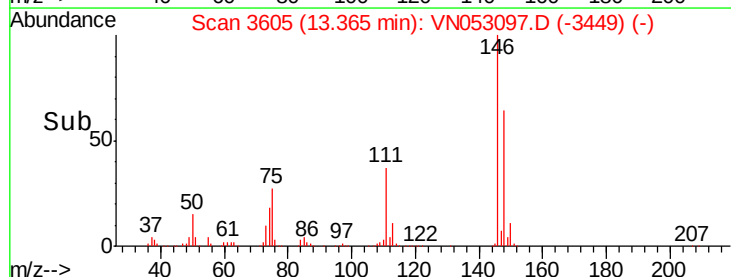
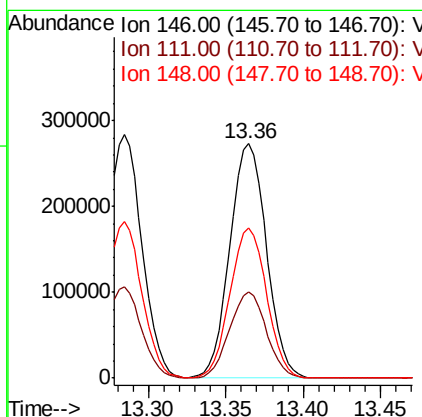
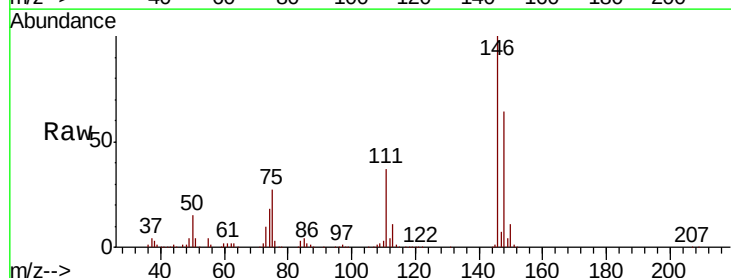
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

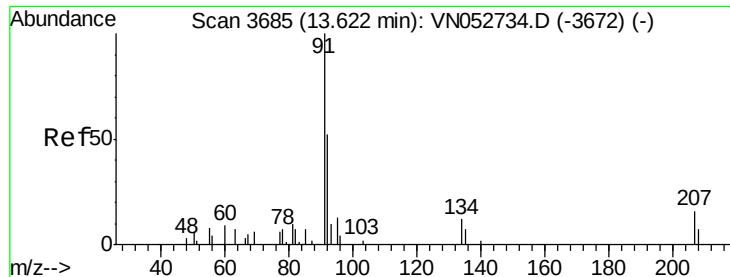
Tot Ion:146 Resp: 459972
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.7 59.0
 148 64.0 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 21.803 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053097.D
 Acq: 21 Dec 2018 11:38

Tgt Ion:146 Resp: 448267
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.8 56.3
 148 64.1 32.5 97.4





#85

n-Butylbenzene

Concen: 18.274 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

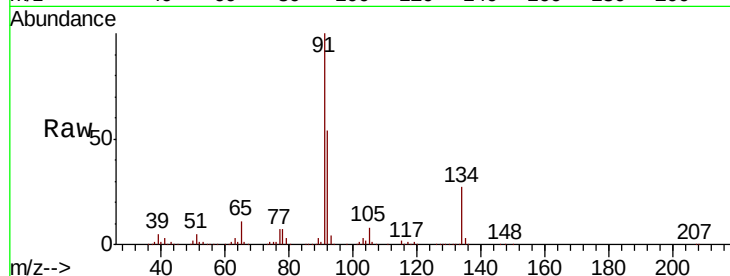
Tot Ion: 91 Resp: 655141

Ion Ratio Lower Upper

91 100

92 53.6 0.0 104.2

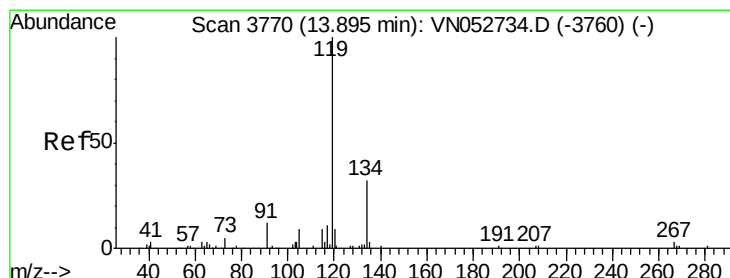
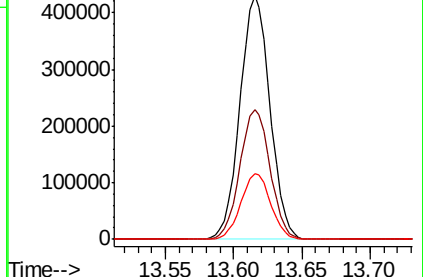
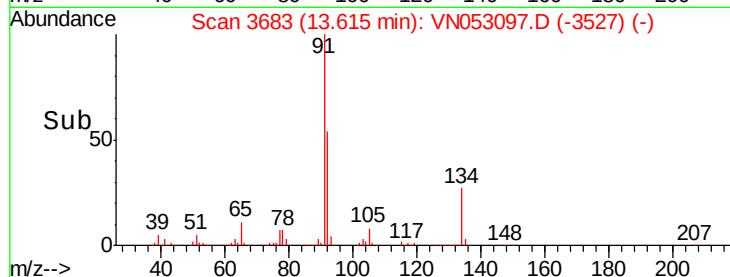
134 26.7 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN052734.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN052734.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN052734.D (-3672) (-)



#86

Hexachloroethane

Concen: 18.484 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053097.D

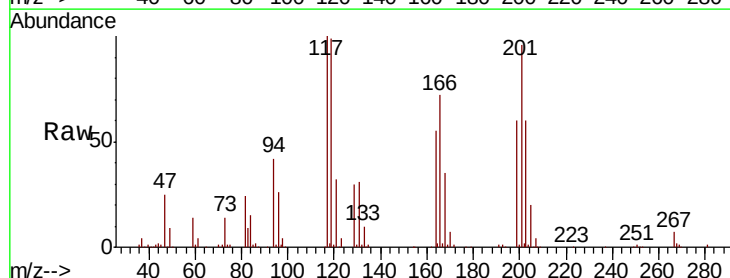
Acq: 21 Dec 2018 11:38

Tgt Ion: 117 Resp: 130719

Ion Ratio Lower Upper

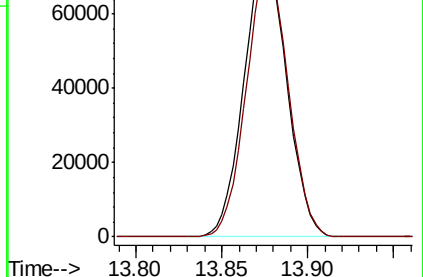
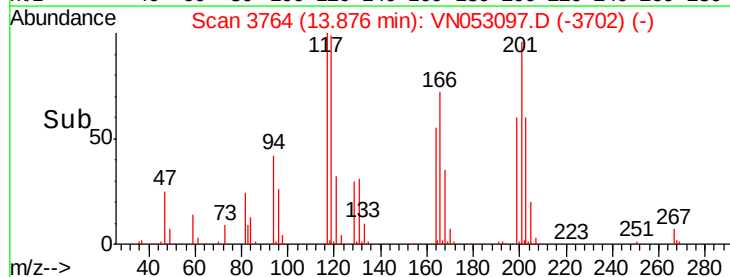
117 100

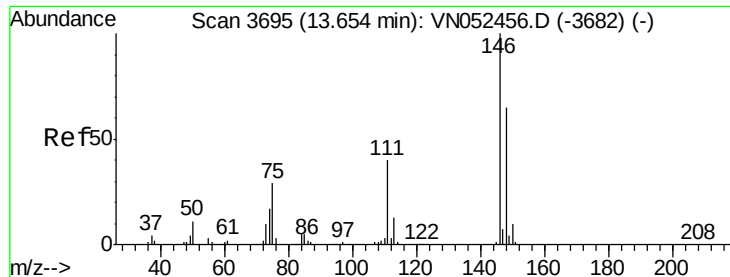
201 94.1 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052734.D (-3760) (-)

Ion 201.00 (200.70 to 201.70): VN052734.D (-3760) (-)

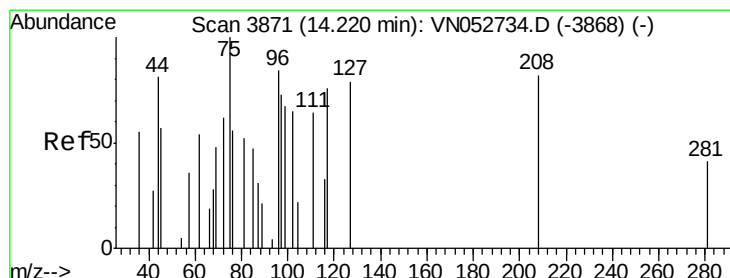
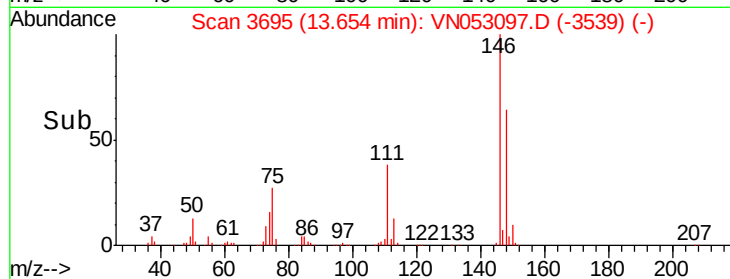
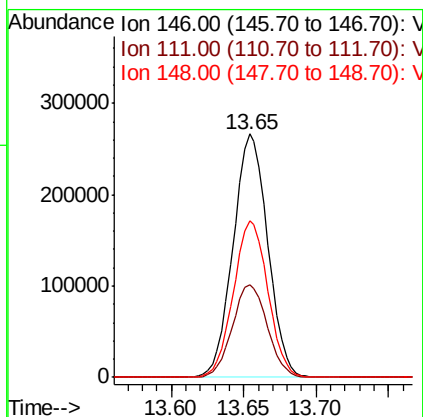
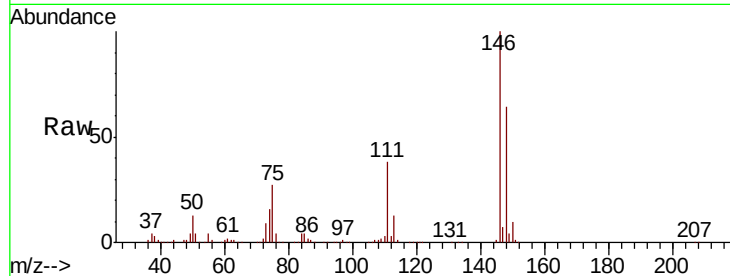




#87
 1,2-Dichlorobenzene
 Concen: 21.816 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053097.D
 Acq: 21 Dec 2018 11:38

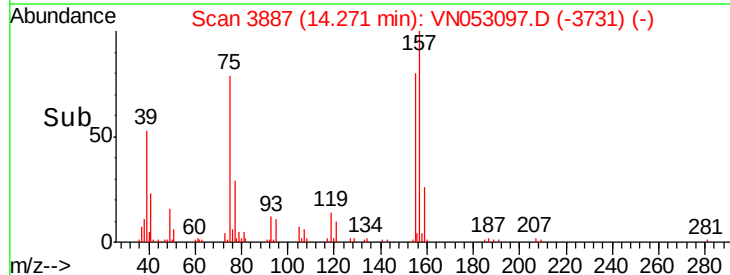
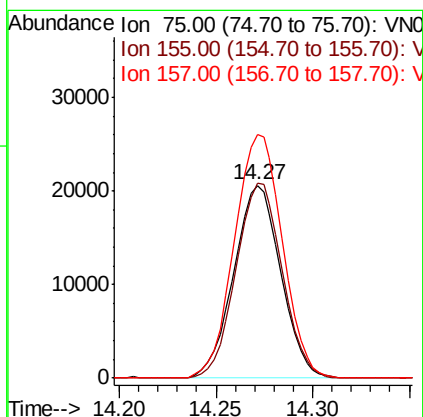
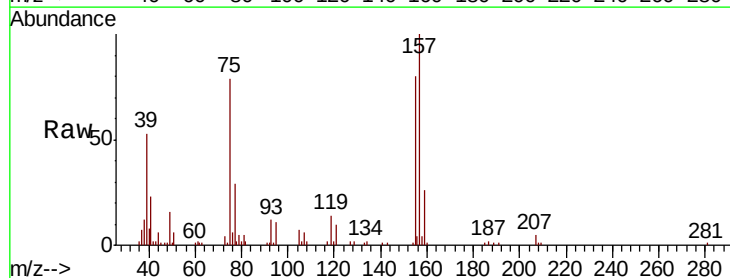
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

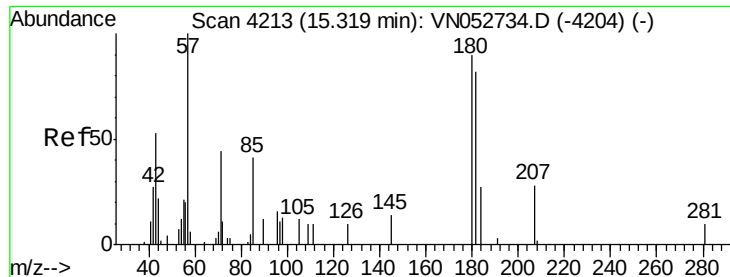
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.3	60.8
148	63.9	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.818 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053097.D
 Acq: 21 Dec 2018 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	72.2	108.2
157	128.9	94.2	141.2

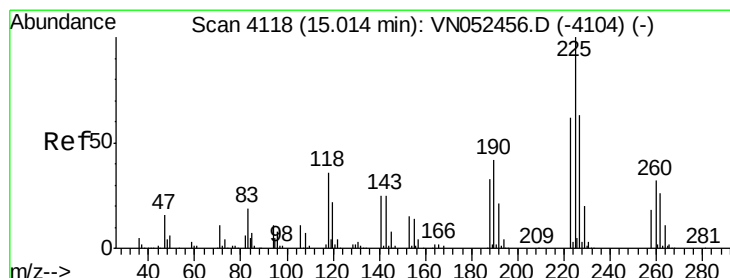
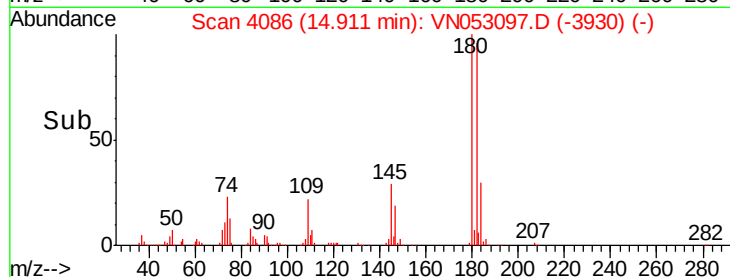
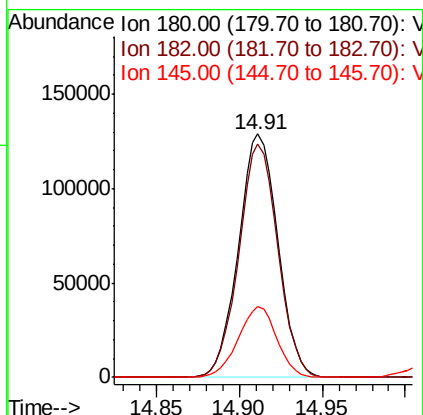
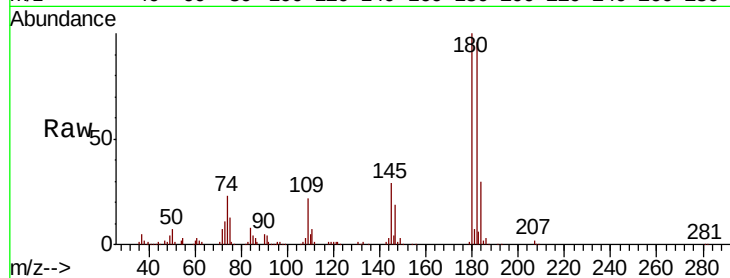




#89
 1,2,4-Trichlorobenzene
 Concen: 21.276 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053097.D
 Acq: 21 Dec 2018 11:38

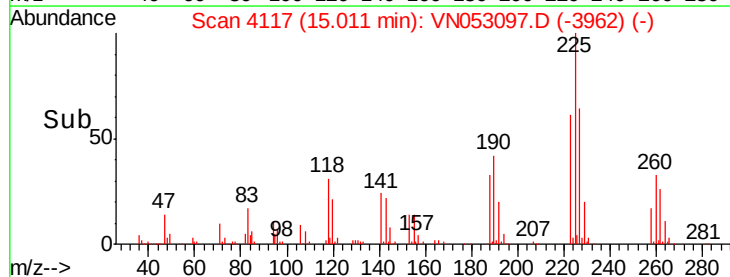
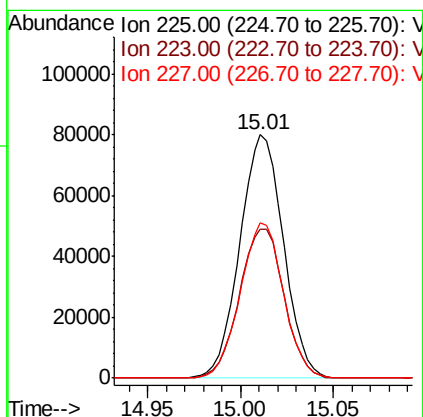
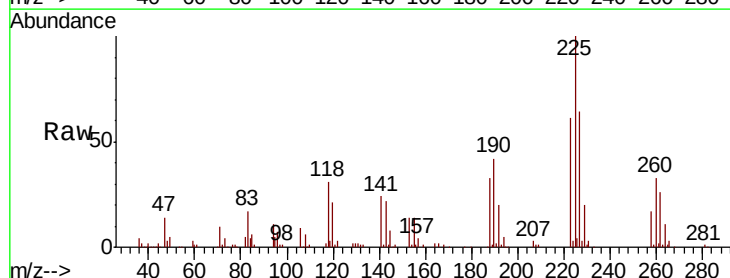
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

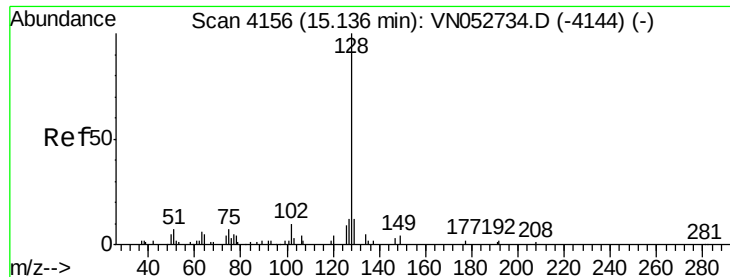
Tot Ion:180 Resp: 212273
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.6 114.8
 145 28.4 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 20.076 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053097.D
 Acq: 21 Dec 2018 11:38

Tgt Ion:225 Resp: 131392
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 125.6
 227 63.0 0.0 127.8





#91

Naphthalene

Concen: 24.316 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

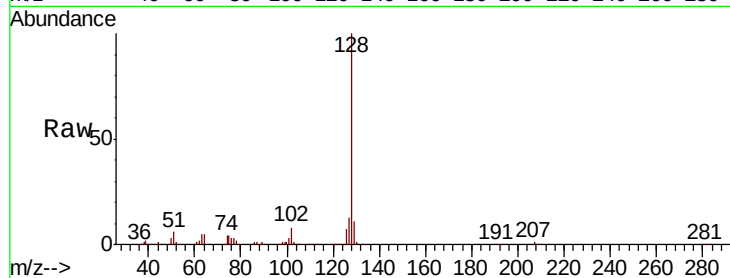
Tot Ion:128 Resp: 489908

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

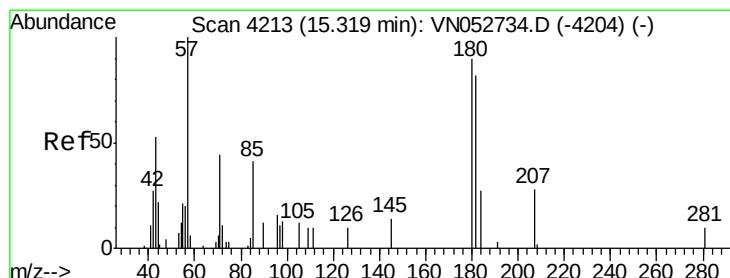
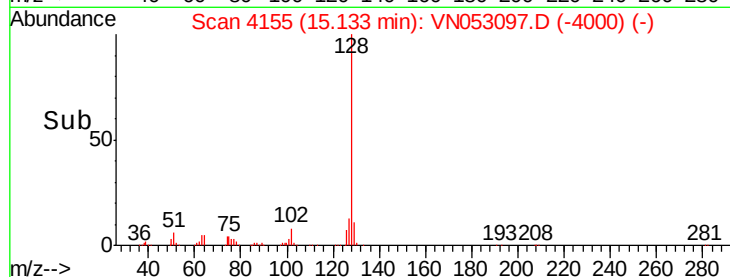
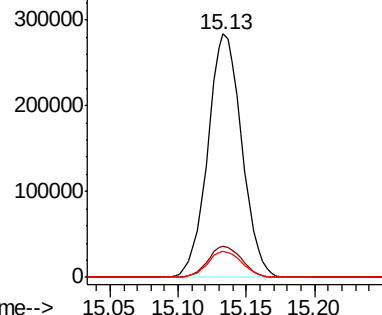
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 21.536 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053097.D

Acq: 21 Dec 2018 11:38

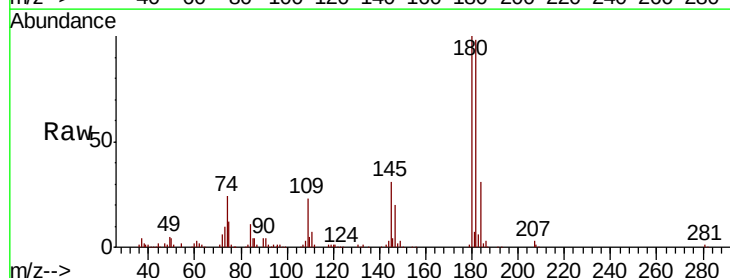
Tgt Ion:180 Resp: 198008

Ion Ratio Lower Upper

180 100

182 97.8 0.0 196.2

145 30.7 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

