

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052533.D
 Acq On : 28 Nov 2018 21:41
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Nov 29 02:34:27 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	189221	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1112599	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	960661	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	374655	29.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.87%
60) 4-Bromofluorobenzene	12.40	95	438745	29.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.57%
63) Toluene-d8	10.09	98	1335396	29.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	194830	18.079	ug/l 99
3) Chloromethane	2.06	50	255187	17.855	ug/l 97
4) Vinyl Chloride	2.19	62	269545	18.686	ug/l 96
5) Bromomethane	2.58	94	154342	18.765	ug/l 99
6) Chloroethane	2.71	64	166613	19.422	ug/l 100
7) Trichlorofluoromethane	3.02	101	341498	19.182	ug/l 99
8) Diethyl Ether	3.41	74	128509	19.549	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	208787	18.500	ug/l 96
10) 1,1-Dichloroethene	3.74	96	207878	19.591	ug/l 97
11) Methyl Iodide	3.96	142	261904	17.777	ug/l 99
12) Methyl Acetate	4.33	43	168339	18.671	ug/l 100
13) Acrolein	3.61	56	91067	85.989	ug/l 98
14) Acrylonitrile	4.99	53	356181	92.719	ug/l 97
15) Acetone	3.82	58	79978	80.391	ug/l 99
16) Carbon Disulfide	4.06	76	597217	17.777	ug/l 100
17) Allyl chloride	4.33	41	336503	18.184	ug/l 97
18) Methylene Chloride	4.55	84	237087	19.297	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	219754	19.244	ug/l 96
20) Diisopropyl ether	5.95	45	728365	18.729	ug/l 97
21) 1,1-Dichloroethane	5.85	63	423067	19.087	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	253087	19.338	ug/l 97
23) tert-Butyl Alcohol	4.78	59	60939	106.637	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	569250	20.449	ug/l 99
25) Chloroform	7.37	83	412366	19.285	ug/l 100
26) Cyclohexane	7.65	56	386562	18.491	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	316669	18.638	ug/l 99
30) 2-Butanone	6.84	43	398721	87.701	ug/l 98
31) 2,2-Dichloropropane	6.83	77	276263	17.662	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	336929	19.058	ug/l 97
33) Carbon Tetrachloride	7.78	117	289604	18.722	ug/l 98
34) Benzene	8.04	78	971128	19.011	ug/l 98
35) Methacrylonitrile	7.18	41	110728	19.630	ug/l 98
36) 1,2-Dichloroethane	8.13	62	293550	18.964	ug/l 100
37) Trichloroethene	8.84	130	252309	19.478	ug/l 95
38) Methylcyclohexane	9.08	83	381078	18.118	ug/l 96
39) 1,2-Dichloropropane	9.12	63	252801	18.462	ug/l 99
40) Dibromomethane	9.21	93	141381	19.107	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	305507	18.687	ug/l	98
42) Vinyl Acetate	5.90	43	2248433	91.404	ug/l	98
43) Ethyl Acetate	6.93	43	179524	18.570	ug/l #	68
44) Isopropyl Acetate	8.17	43	328631	19.383	ug/l #	76
45) 1,4-Dioxane	9.20	88	38521	415.305	ug/l	92
46) Methyl methacrylate	9.20	41	167960	19.079	ug/l	99
47) n-amyl Acetate	12.07	43	253386	18.025	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	288591	18.206	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	352906	18.273	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	203966	19.446	ug/l	100
51) Ethyl methacrylate	10.43	69	254827	19.344	ug/l	97
52) 1,3-Dichloropropane	10.71	76	354912	19.010	ug/l	99
53) Dibromochloromethane	10.90	129	215456	18.658	ug/l	98
54) 1,2-Dibromoethane	11.01	107	198968	19.412	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	728032	94.412	ug/l	99
56) Bromoform	12.13	173	139068	18.424	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	909813	97.689	ug/l	98
59) 2-Hexanone	10.75	43	586338	92.161	ug/l	98
61) Tetrachloroethene	10.63	164	238246	20.136	ug/l	97
62) Toluene	10.16	91	1050375	19.834	ug/l	100
64) Chlorobenzene	11.43	112	632986	19.582	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	220102	19.617	ug/l	99
66) Ethyl Benzene	11.51	91	1102060	19.308	ug/l	99
67) m/p-Xylenes	11.62	106	839375	39.473	ug/l	99
68) o-Xylene	11.95	106	410065	19.868	ug/l	99
69) Styrene	11.96	104	647071	19.424	ug/l	100
70) Isopropylbenzene	12.25	105	1087126	19.797	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	234759	19.652	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	281018	27.405	ug/l	51
73) Bromobenzene	12.53	156	263306	19.825	ug/l	95
74) n-propylbenzene	12.59	91	1207489	18.872	ug/l	99
75) 2-Chlorotoluene	12.68	91	721197	19.419	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	869355	19.600	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	55158	17.028	ug/l	97
78) 4-Chlorotoluene	12.78	91	699828	18.870	ug/l	100
79) tert-butylbenzene	12.99	119	770469	19.946	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	877312	19.767	ug/l	100
81) sec-Butylbenzene	13.17	105	1025966	19.069	ug/l	100
82) p-Isopropyltoluene	13.29	119	871512	19.023	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	451538	19.331	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	437923	19.404	ug/l	98
85) n-Butylbenzene	13.62	91	701785	17.833	ug/l	99
86) Hexachloroethane	13.88	117	139610	17.985	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	439077	19.753	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	32839	19.626	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	207475	18.945	ug/l	99
90) Hexachlorobutadiene	15.01	225	137103	19.084	ug/l	99
91) Naphthalene	15.14	128	435499	19.692	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	195327	19.354	ug/l	97

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

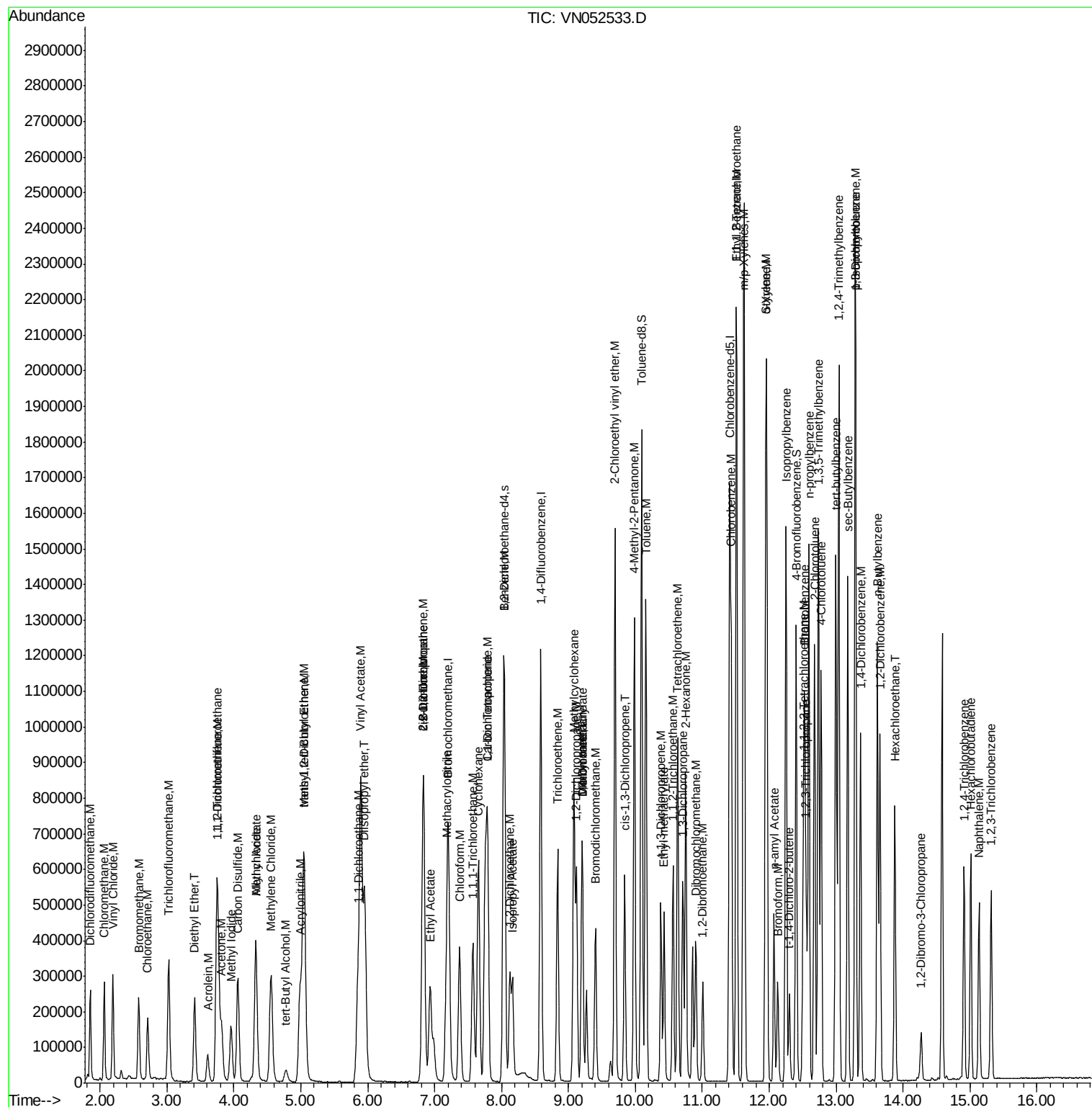
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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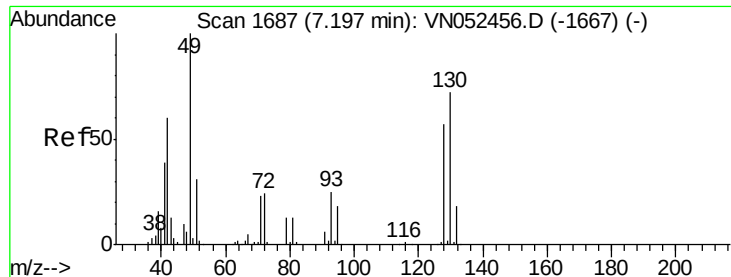
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 28 23:43:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
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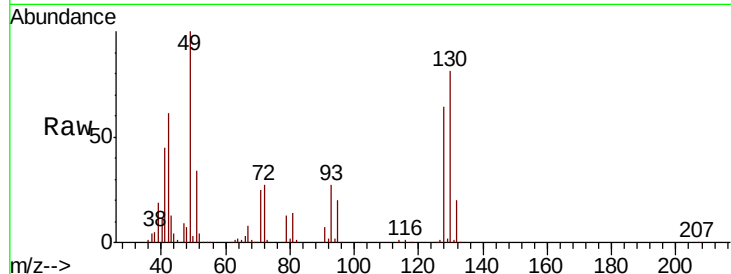




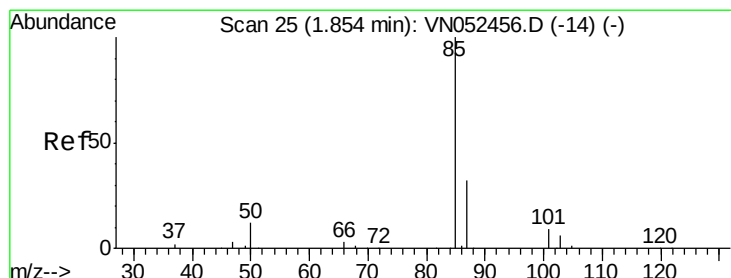
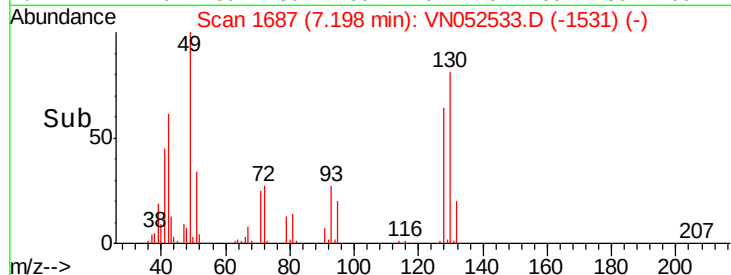
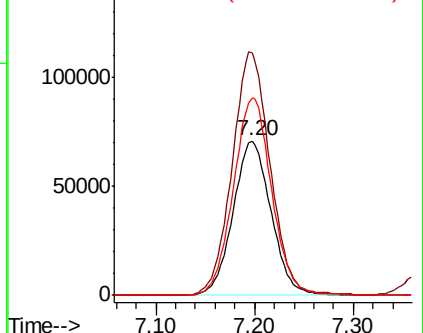
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion:128 Resp: 189221
Ion Ratio Lower Upper
128 100
49 158.3 0.0 431.8
130 129.4 0.0 317.0

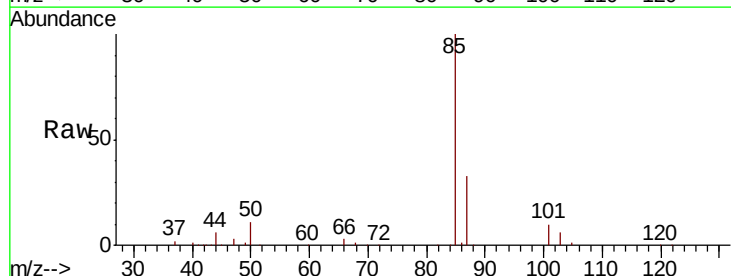


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

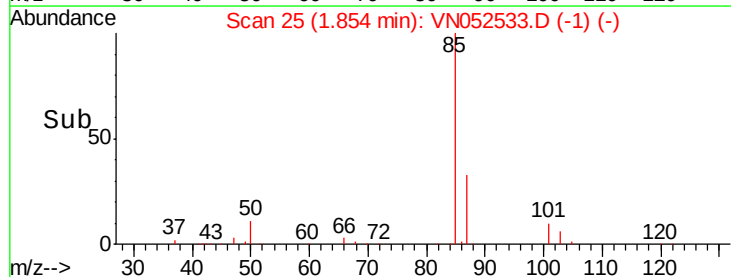
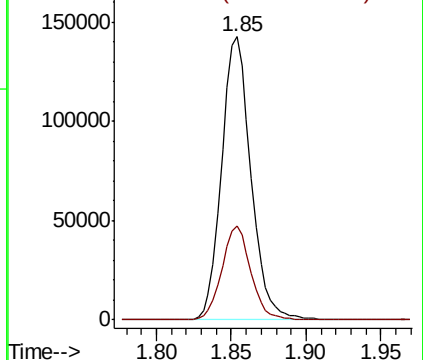


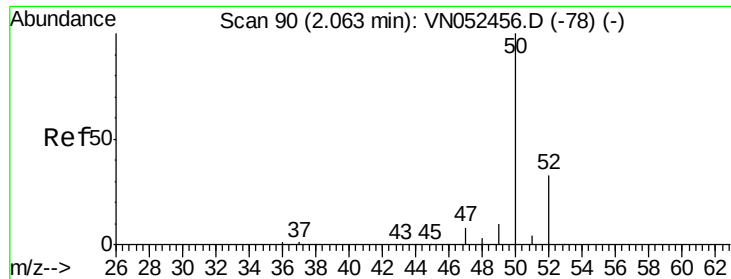
#2
Dichlorodifluoromethane
Concen: 18.079 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion: 85 Resp: 194830
Ion Ratio Lower Upper
85 100
87 33.0 16.1 48.3



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

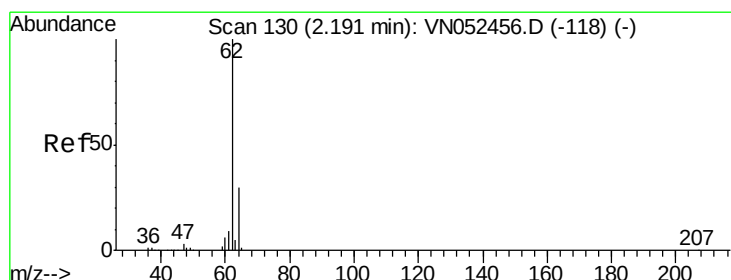
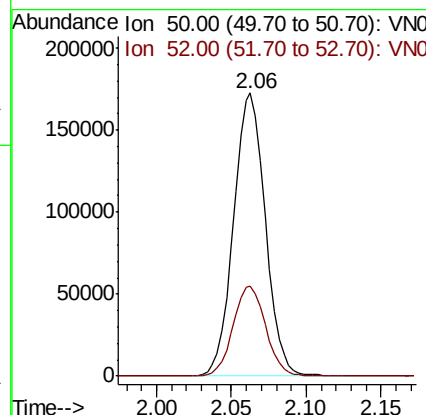
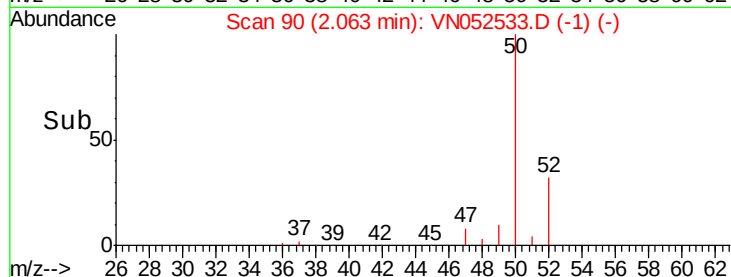
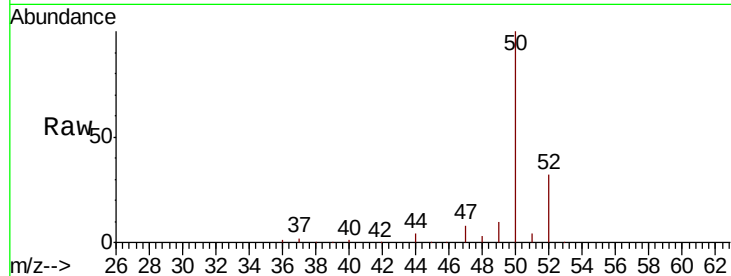




#3
 Chloromethane
 Concen: 17.855 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

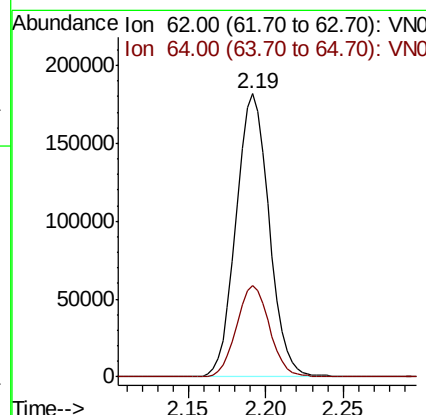
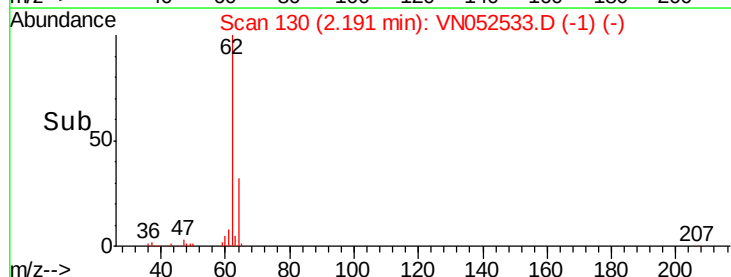
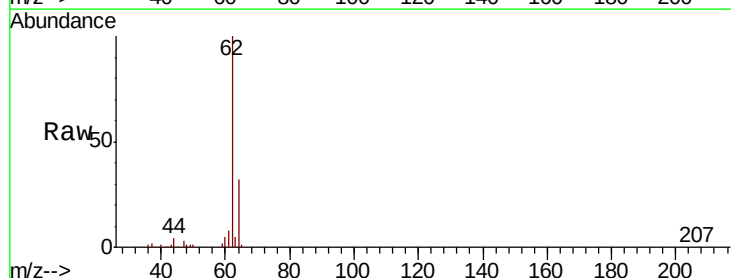
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

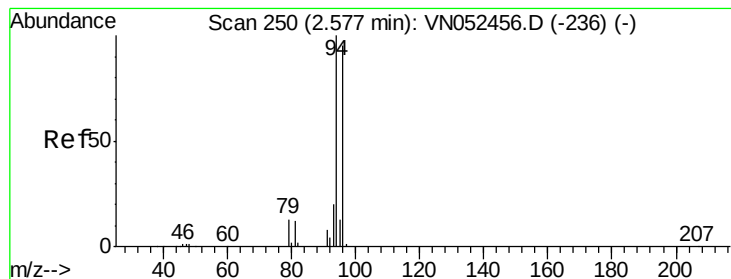
Tot Ion: 50 Resp: 255187
 Ion Ratio Lower Upper
 50 100
 52 31.7 26.5 39.7



#4
 Vinyl Chloride
 Concen: 18.686 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion: 62 Resp: 269545
 Ion Ratio Lower Upper
 62 100
 64 32.2 24.2 36.4





#5

Bromomethane

Concen: 18.765 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

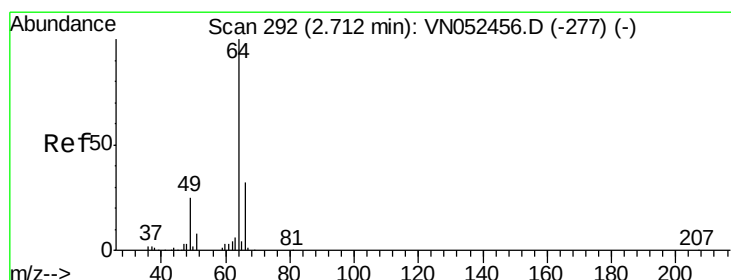
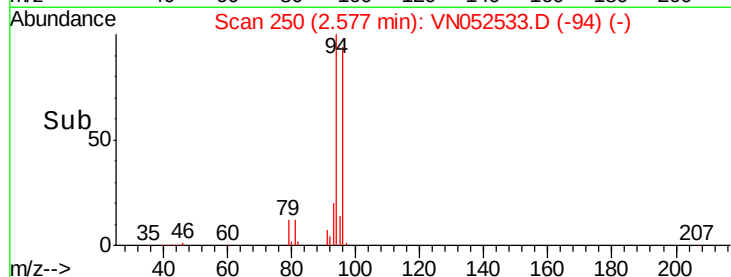
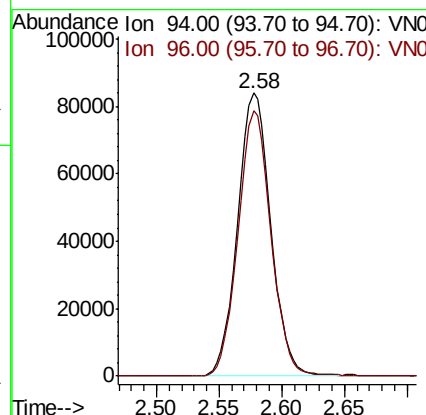
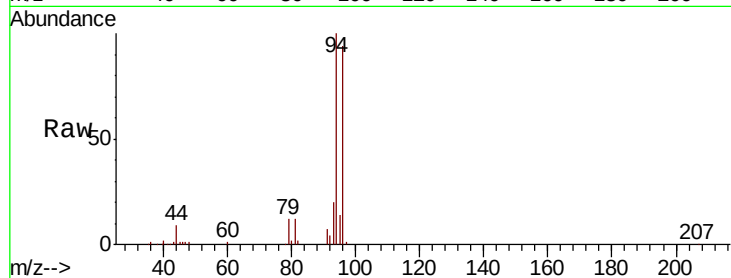
VSTDCCC020

Tot Ion: 94 Resp: 154342

Ion Ratio Lower Upper

94 100

96 93.9 76.2 114.2



#6

Chloroethane

Concen: 19.422 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052533.D

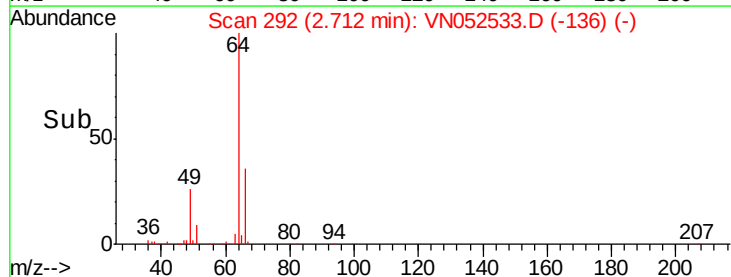
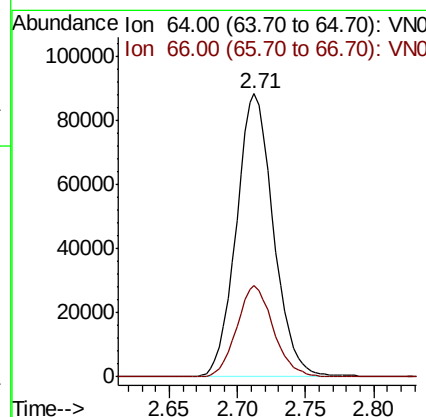
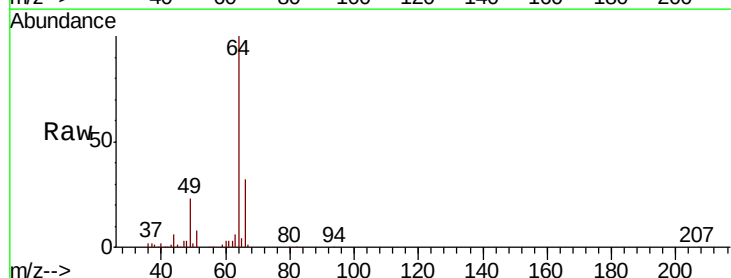
Acq: 28 Nov 2018 21:41

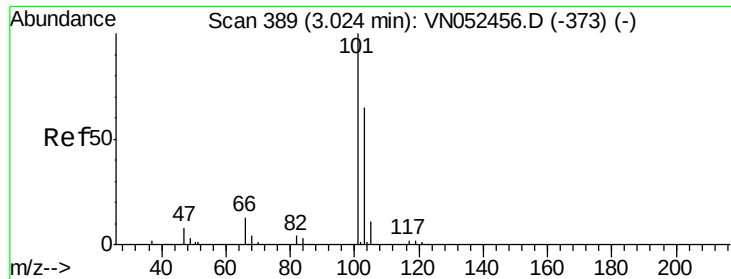
Tgt Ion: 64 Resp: 166613

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4



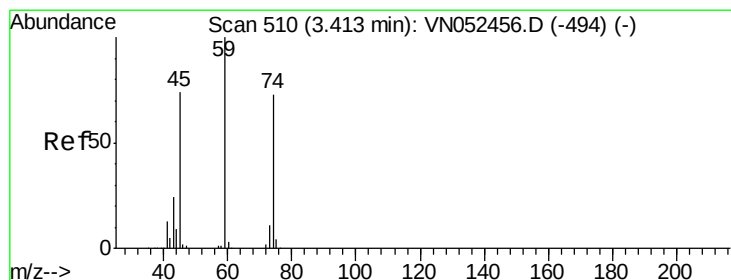
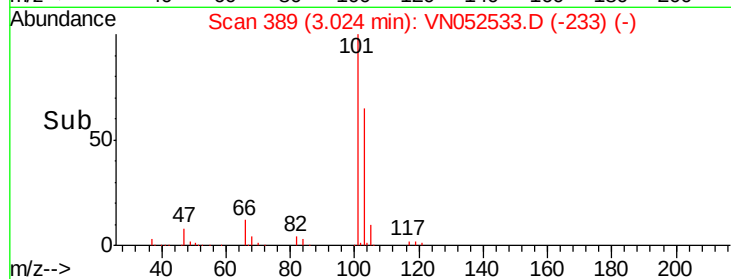
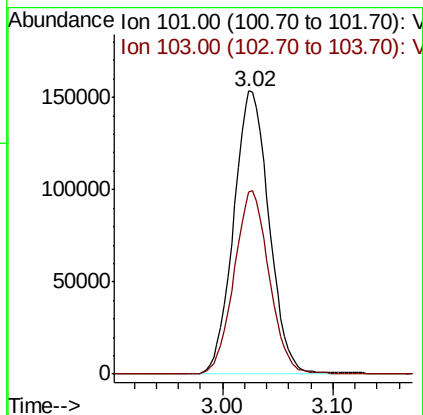
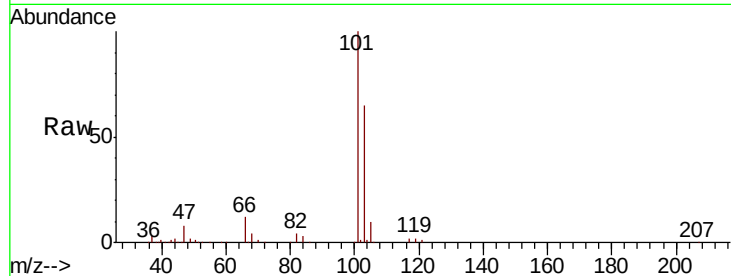


#7

Trichlorofluoromethane
 Concen: 19.182 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
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 ClientSampleId :
 VSTDCCC020

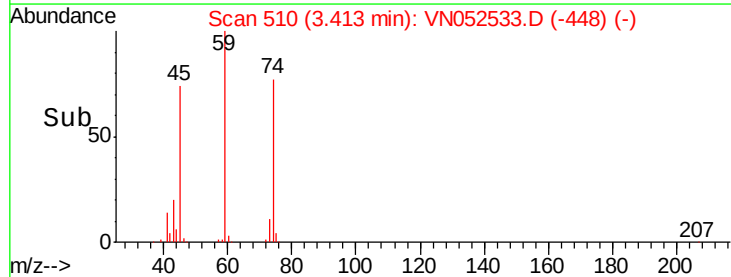
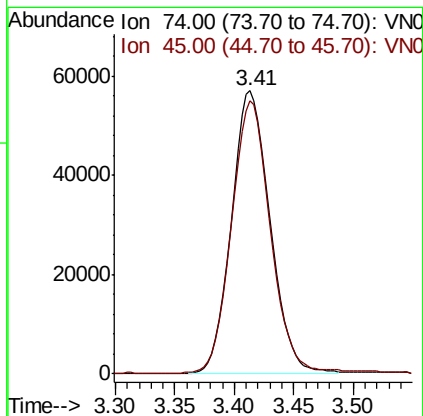
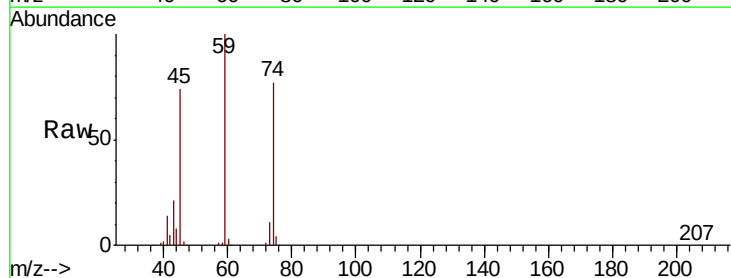
Tot Ion:101 Resp: 341498
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.1 78.1

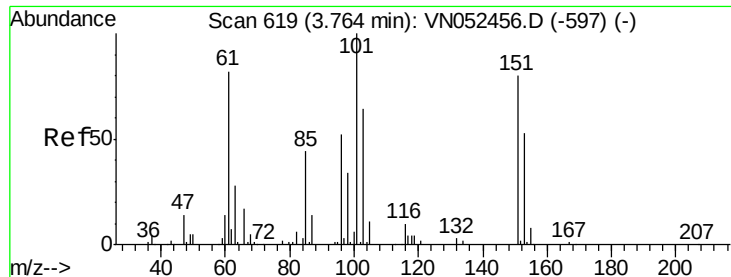


#8

Diethyl Ether
 Concen: 19.549 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion: 74 Resp: 128509
 Ion Ratio Lower Upper
 74 100
 45 96.9 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.500 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDC020

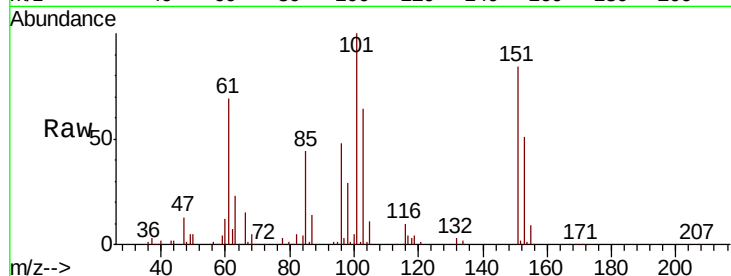
Tot Ion:101 Resp: 208787

Ion Ratio Lower Upper

101 100

85 42.4 0.0 82.6

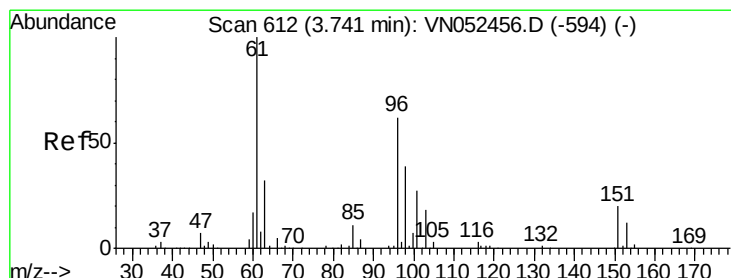
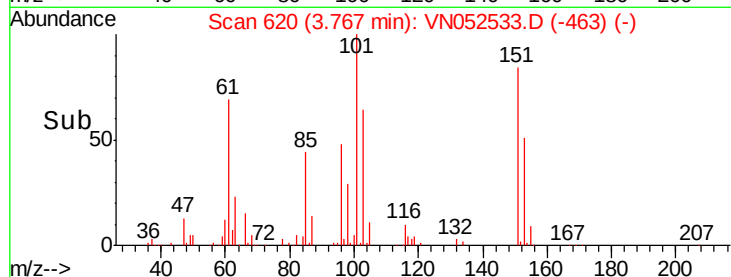
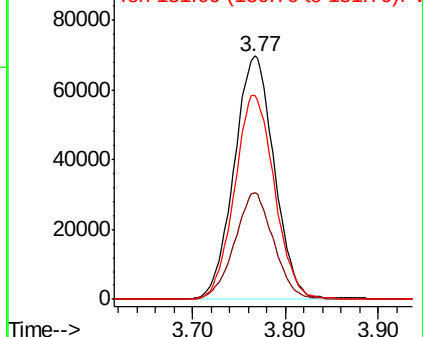
151 83.5 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.591 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

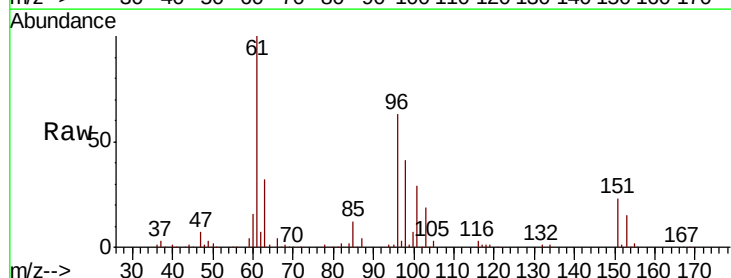
Tgt Ion: 96 Resp: 207878

Ion Ratio Lower Upper

96 100

61 158.5 129.4 194.2

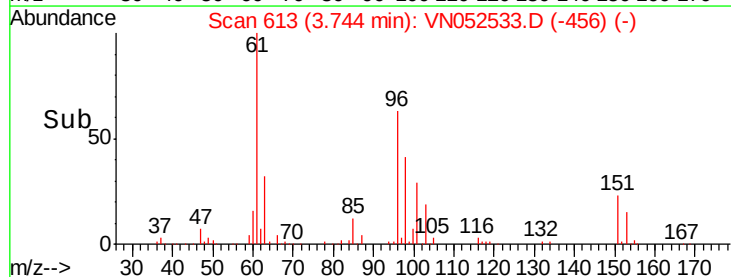
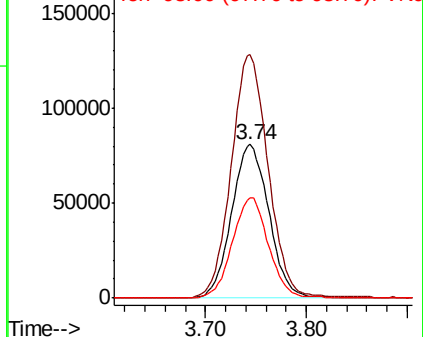
98 65.5 50.4 75.6

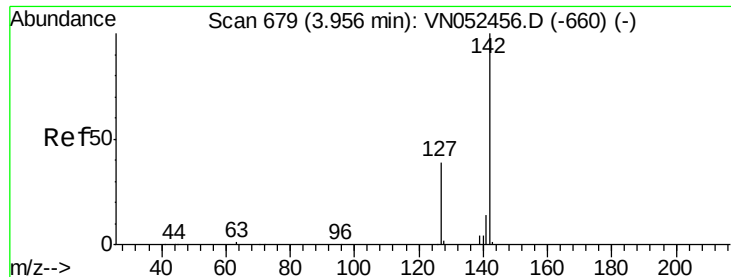


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

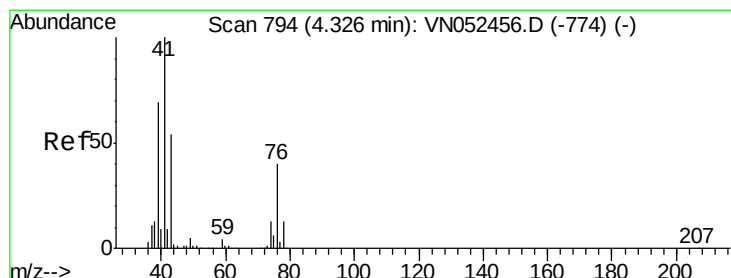
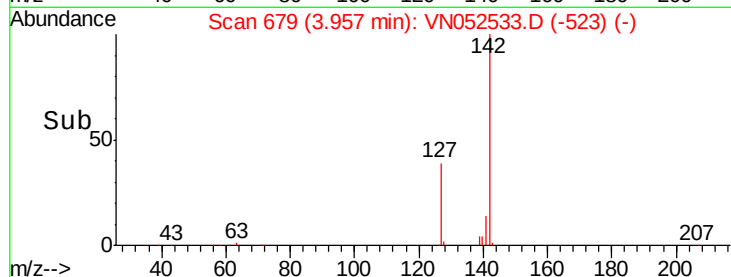
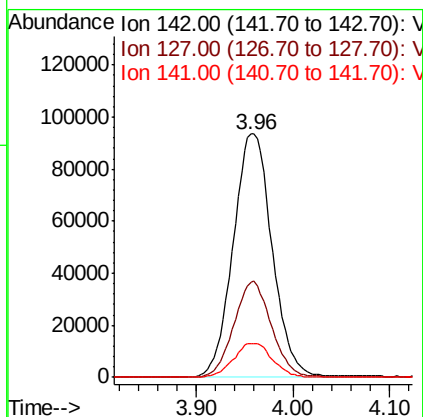
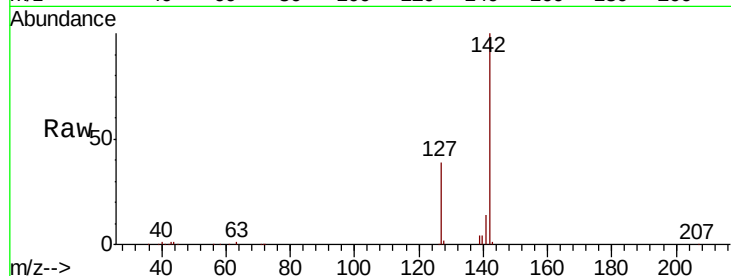




#11
Methvl Iodide
Concen: 17.777 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

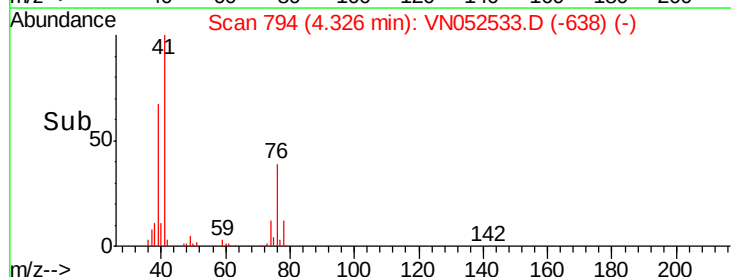
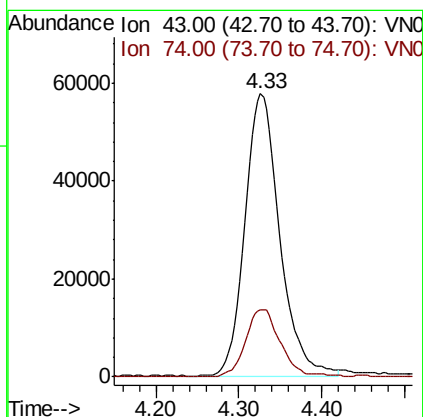
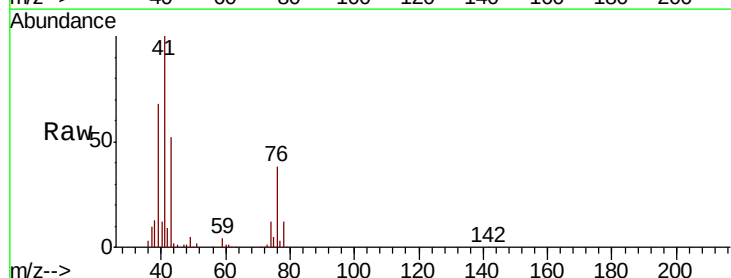
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

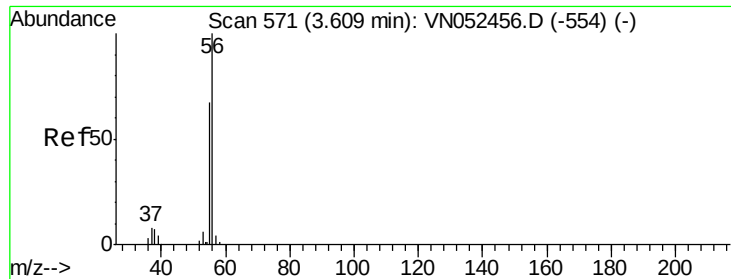
Tot Ion:142 Resp: 261904
Ion Ratio Lower Upper
142 100
127 39.1 19.4 58.1
141 14.1 7.2 21.6



#12
Methyl Acetate
Concen: 18.671 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion: 43 Resp: 168339
Ion Ratio Lower Upper
43 100
74 23.5 18.9 28.3





#13

Acrolein

Concen: 85.989 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

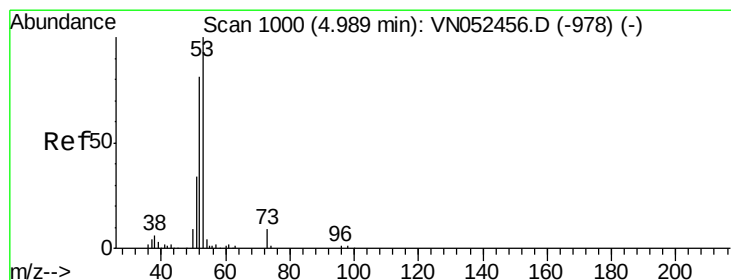
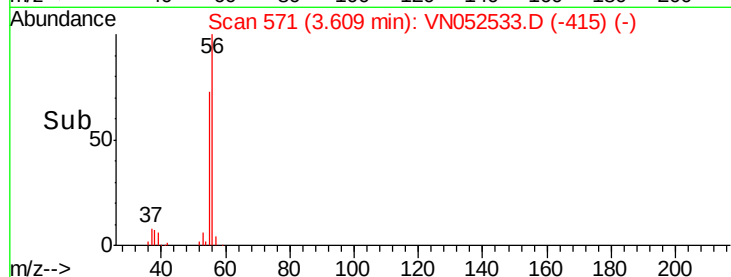
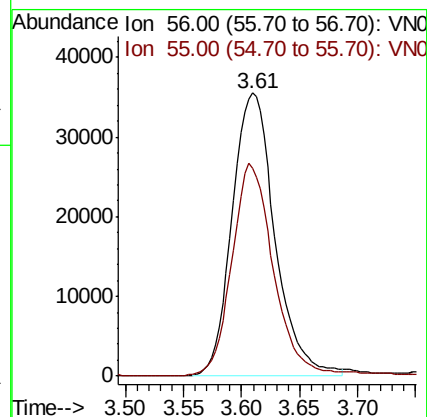
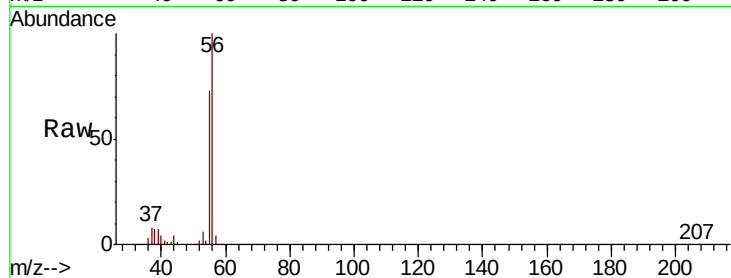
VSTDCCC020

Tot Ion: 56 Resp: 91067

Ion Ratio Lower Upper

56 100

55 72.9 56.7 85.1



#14

Acrylonitrile

Concen: 92.719 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

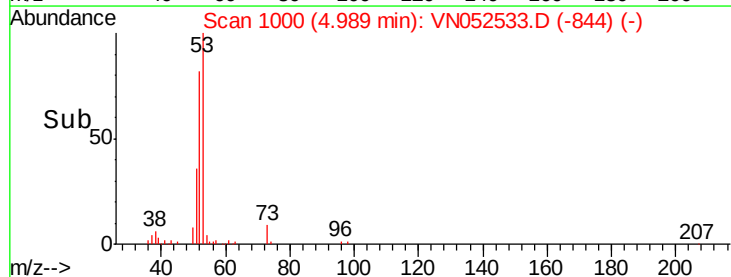
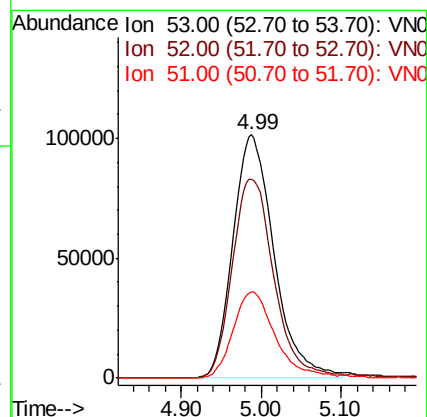
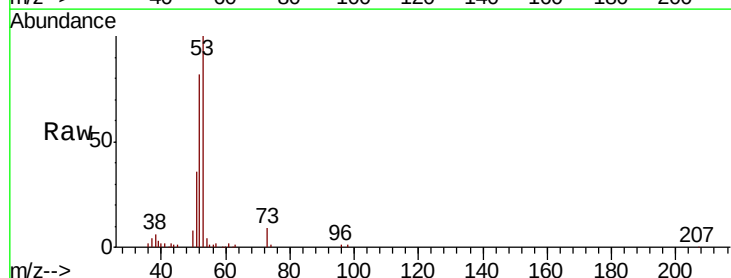
Tgt Ion: 53 Resp: 356181

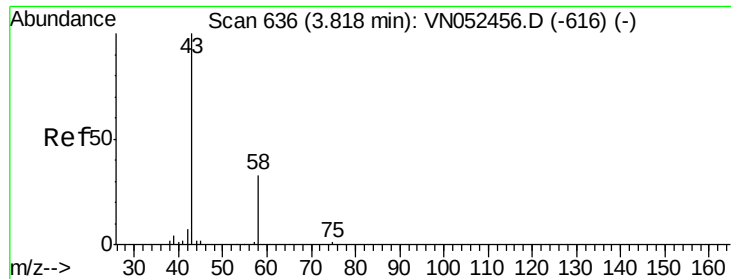
Ion Ratio Lower Upper

53 100

52 82.7 39.9 119.7

51 36.2 17.6 52.9





#15

Acetone

Concen: 80.391 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampled :

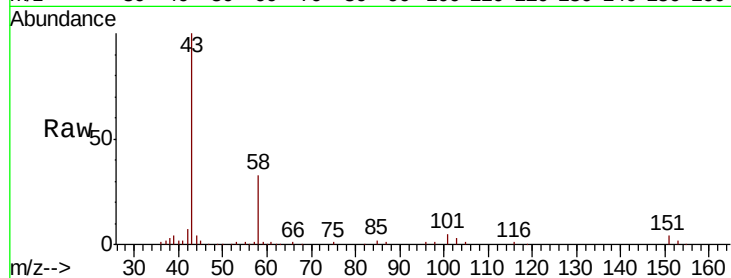
VSTDCCC020

Tot Ion: 58 Resp: 79978

Ion Ratio Lower Upper

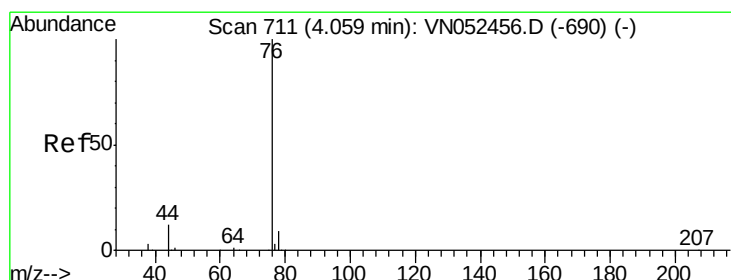
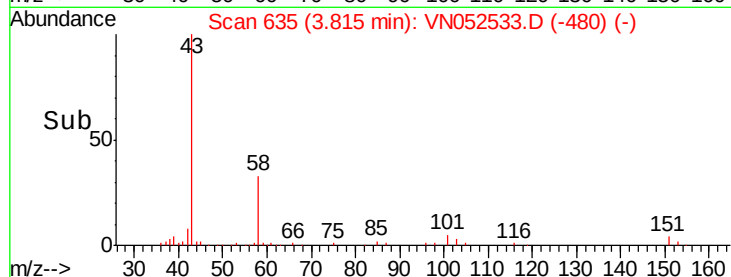
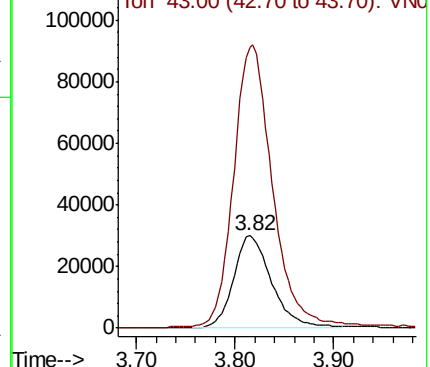
58 100

43 302.5 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.777 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052533.D

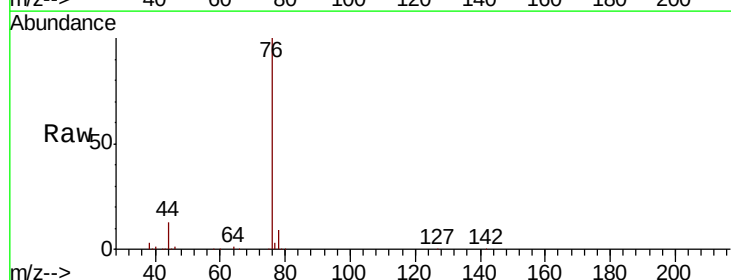
Acq: 28 Nov 2018 21:41

Tgt Ion: 76 Resp: 597217

Ion Ratio Lower Upper

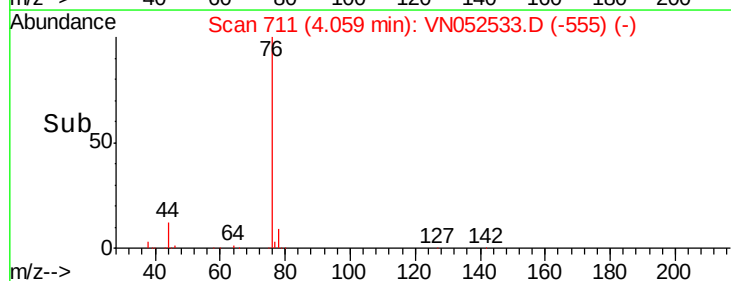
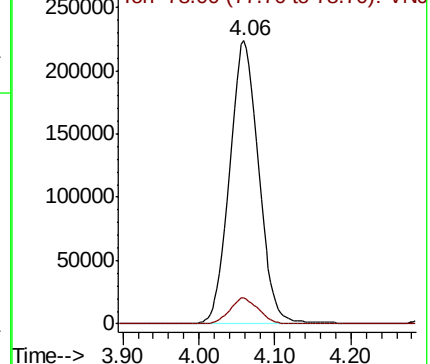
76 100

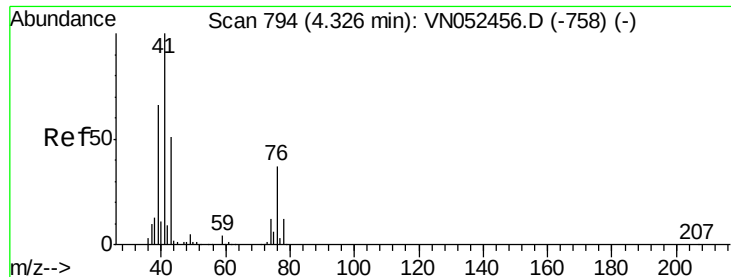
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

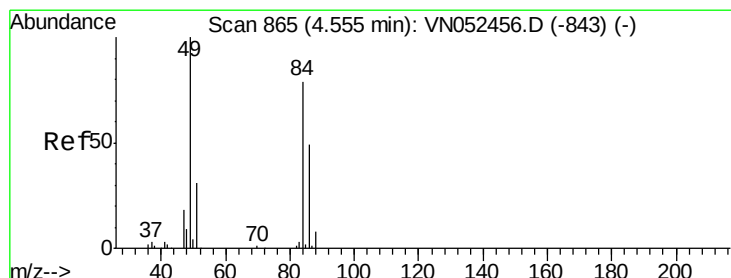
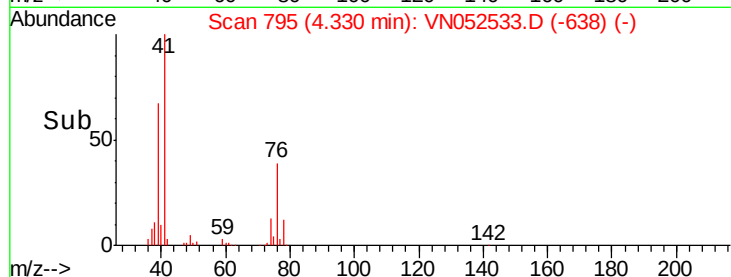
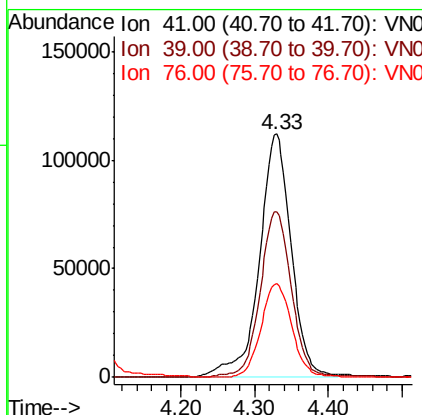
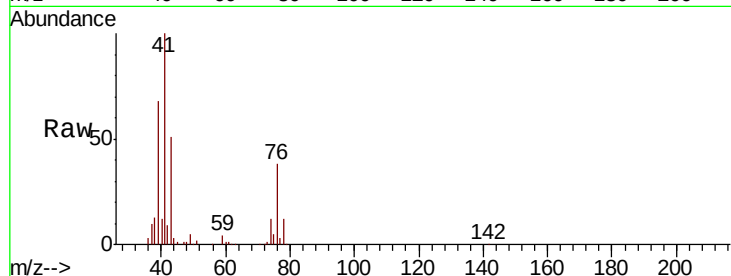




#17
Allvl chloride
Concen: 18.184 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

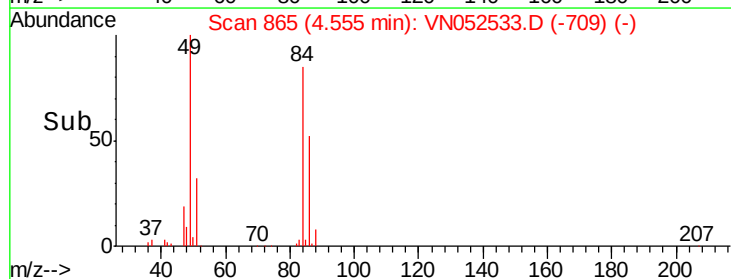
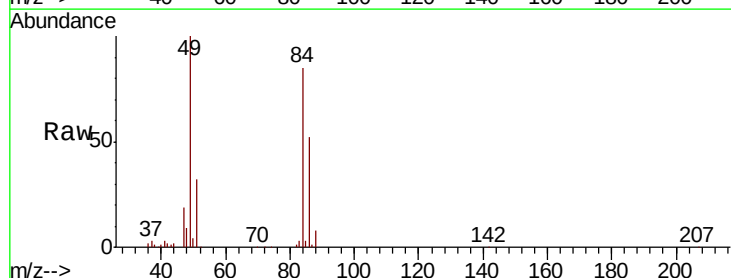
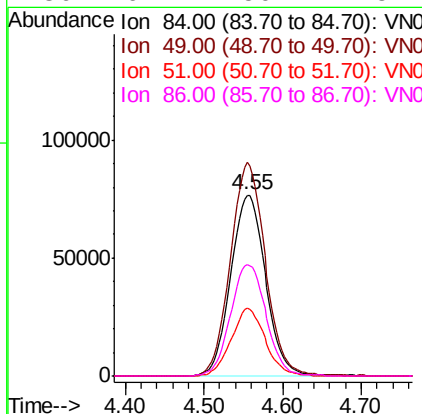
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

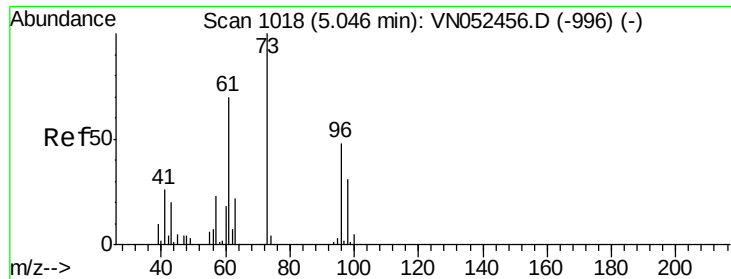
Tot Ion: 41 Resp: 336503
Ion Ratio Lower Upper
41 100
39 68.2 32.8 98.3
76 37.9 18.6 55.8



#18
Methylene Chloride
Concen: 19.297 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion: 84 Resp: 237087
Ion Ratio Lower Upper
84 100
49 117.9 101.4 152.0
51 37.7 31.7 47.5
86 61.2 50.1 75.1

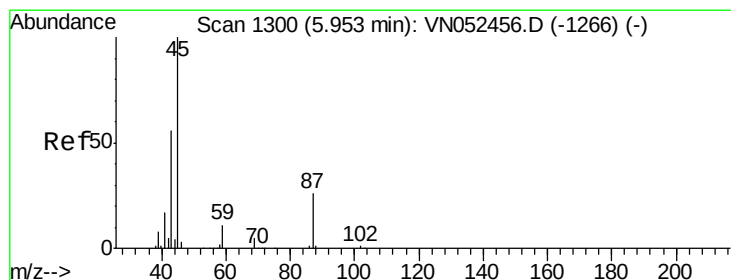
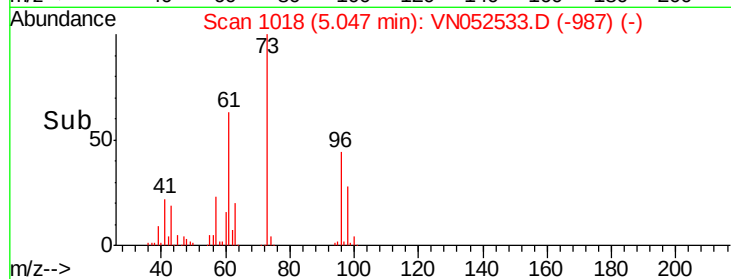
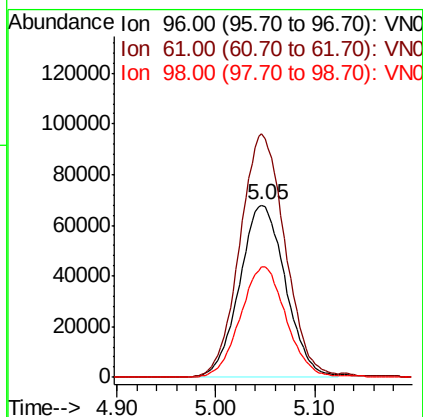
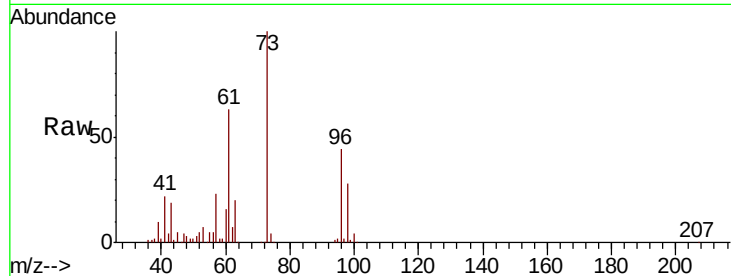




#19
trans-1,2-Dichloroethene
Concen: 19.244 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

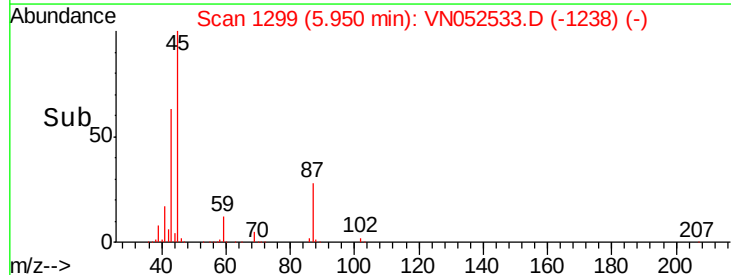
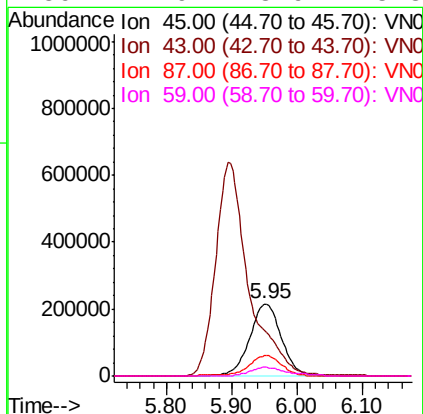
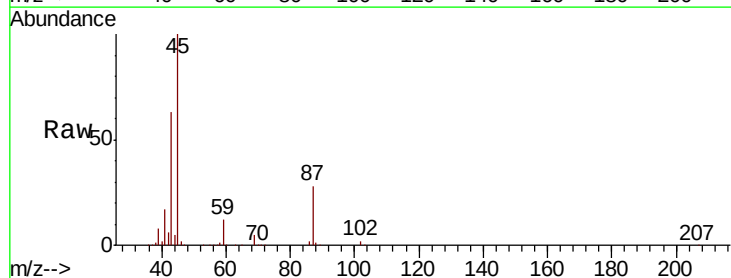
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

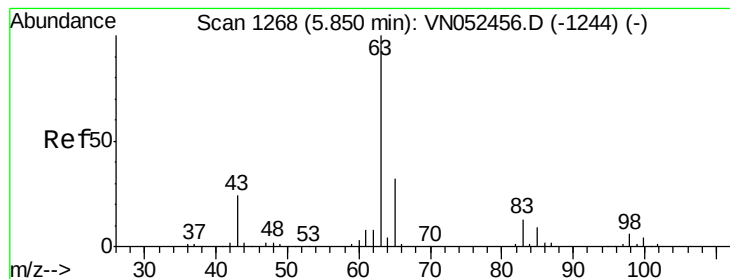
Tot Ion: 96 Resp: 219754
Ion Ratio Lower Upper
96 100
61 141.1 118.2 177.4
98 63.9 51.4 77.2



#20
Diisopropyl ether
Concen: 18.729 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion: 45 Resp: 728365
Ion Ratio Lower Upper
45 100
43 62.0 47.8 71.8
87 27.7 21.3 31.9
59 11.9 8.9 13.3





#21

1,1-Dichloroethane

Concen: 19.087 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

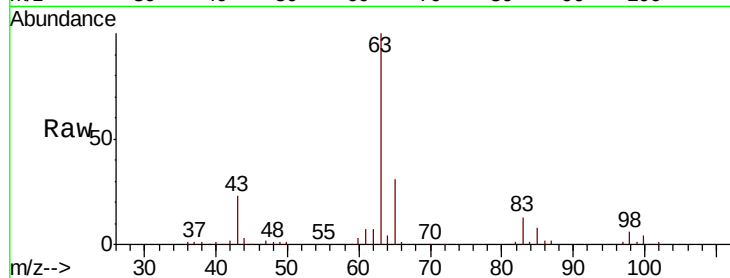
Tot Ion: 63 Resp: 423067

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 4.1 1.8 5.5

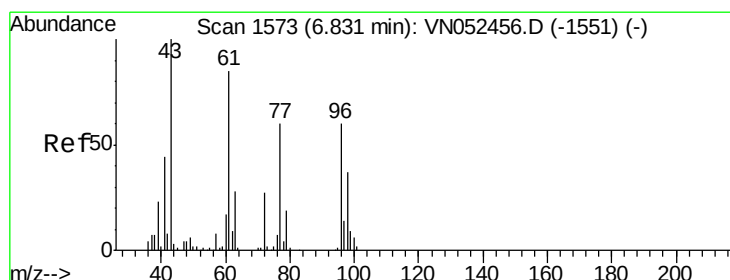
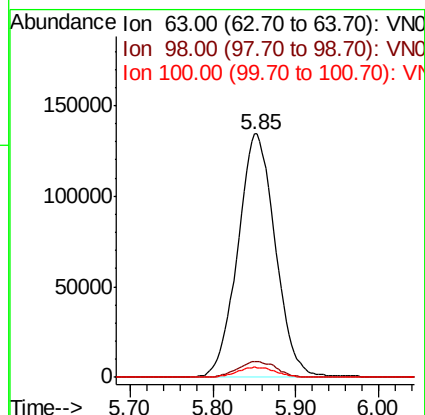
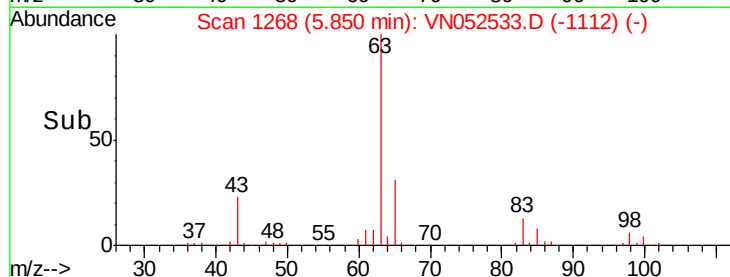


Abundance Ion 63.00 (62.70 to 63.70): VN052456.D (-1244) (-)

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: 19.338 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

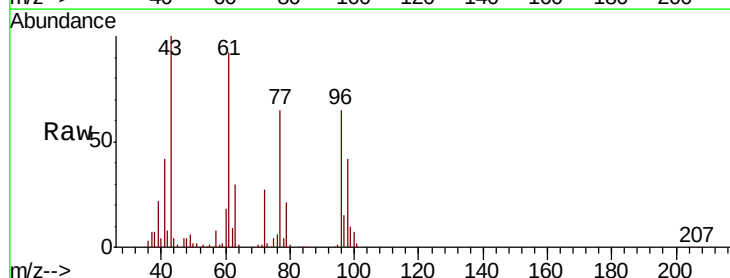
Tgt Ion: 96 Resp: 253087

Ion Ratio Lower Upper

96 100

61 141.5 116.7 175.1

98 64.3 50.8 76.2

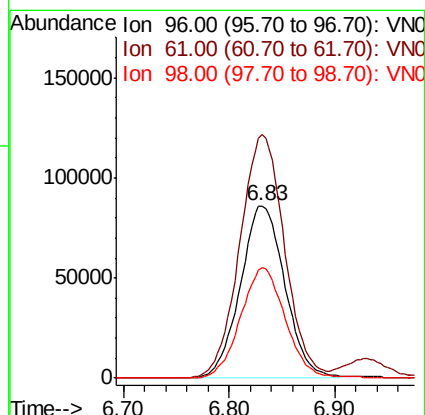
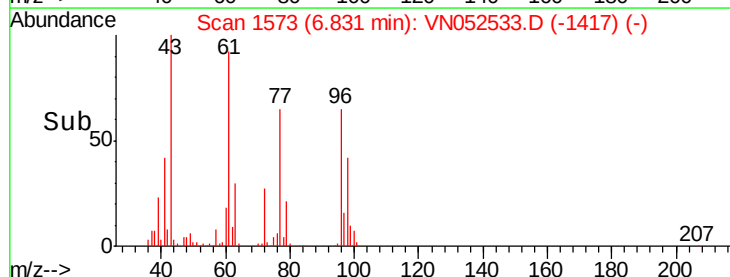


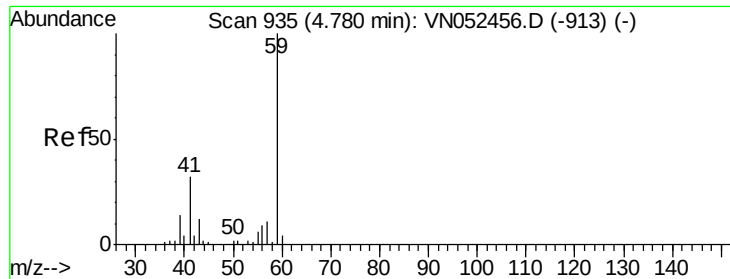
Abundance Ion 96.00 (95.70 to 96.70): VN052456.D (-1551) (-)

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: 106.637 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

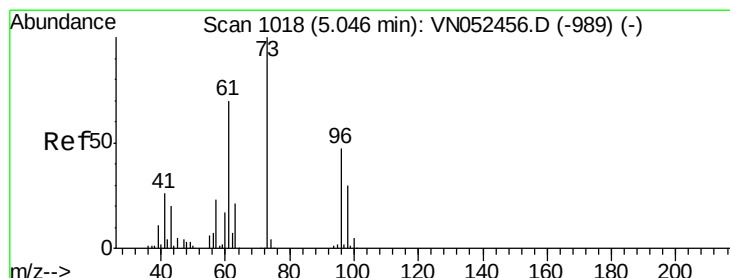
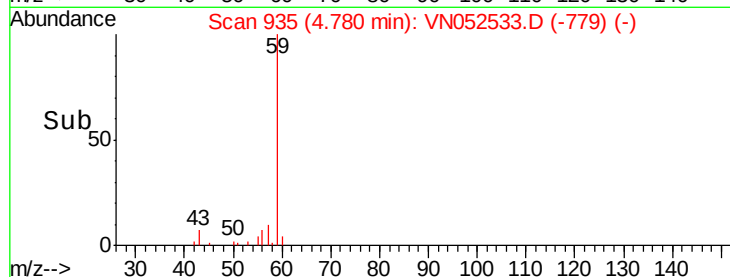
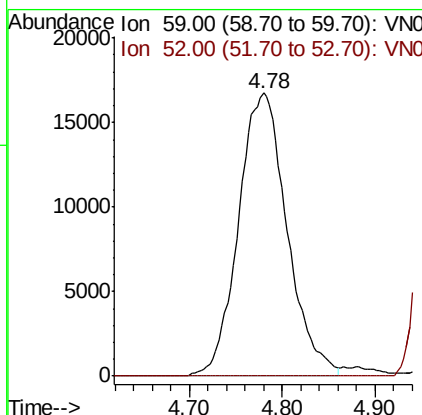
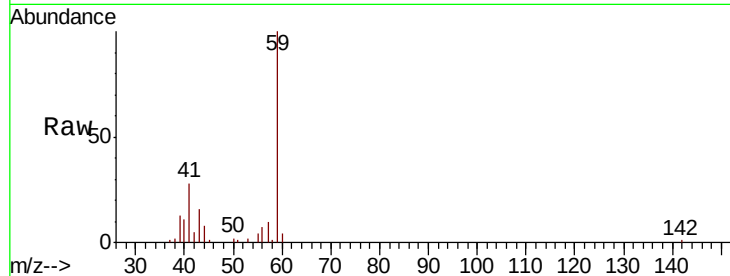
Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 59 Resp: 60939

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



#24

Methyl tert-Butyl Ether

Concen: 20.449 ug/l

RT: 5.05 min Scan# 1018

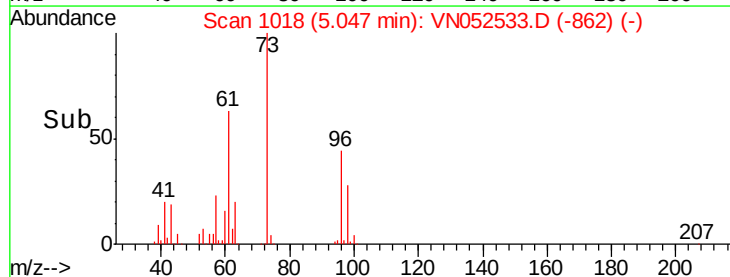
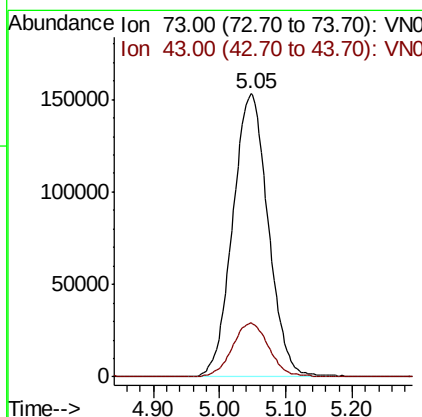
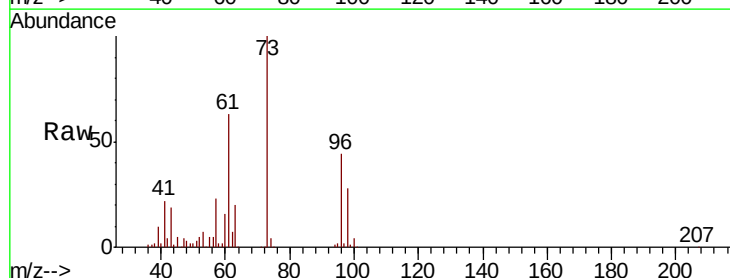
Delta R.T. 0.00 min

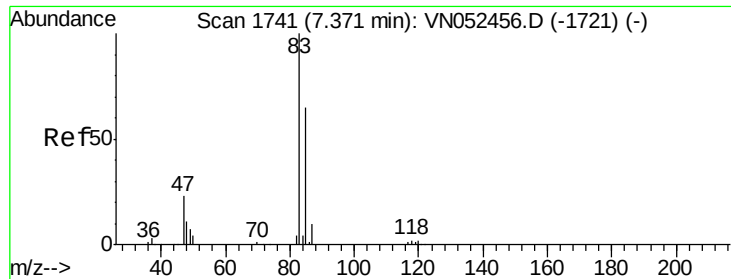
Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Tgt Ion: 73 Resp: 569250

Ion	Ratio	Lower	Upper
73	100		
43	19.3	15.8	23.8

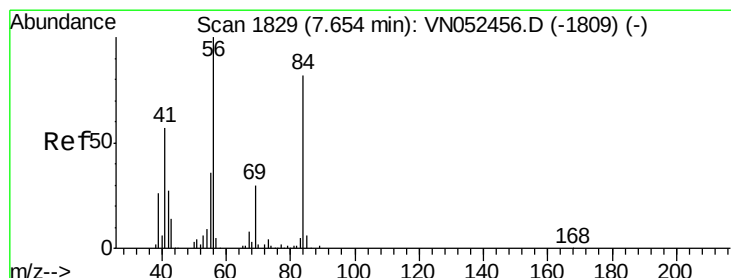
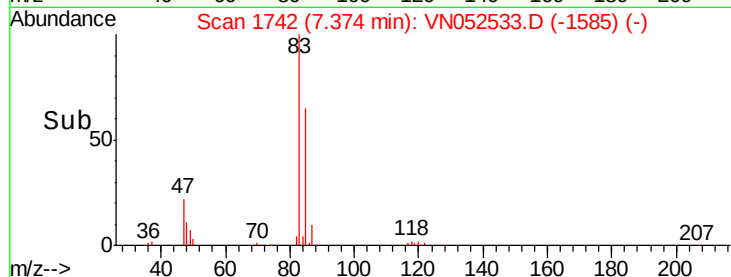
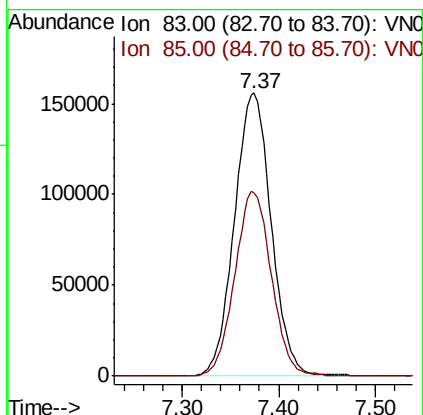
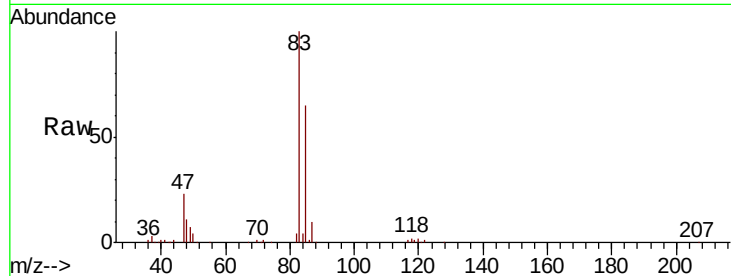




#25
Chloroform
Concen: 19.285 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

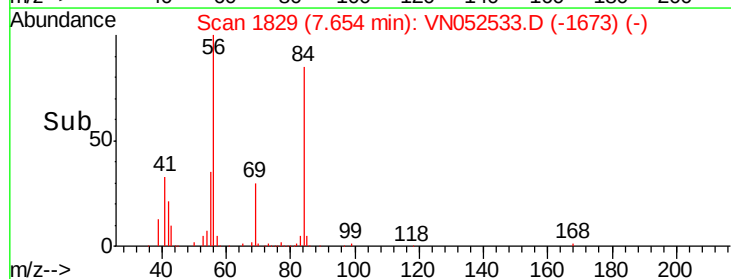
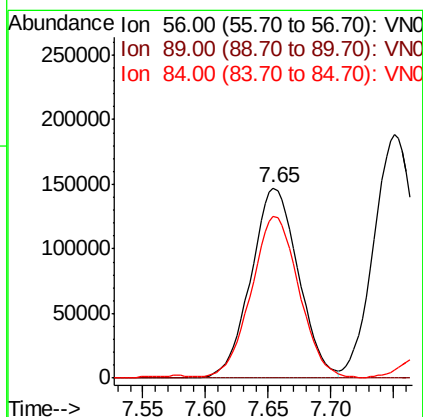
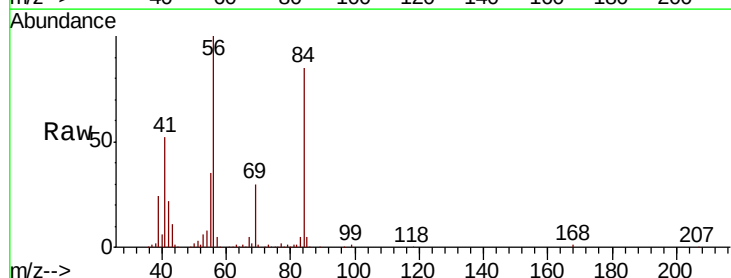
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

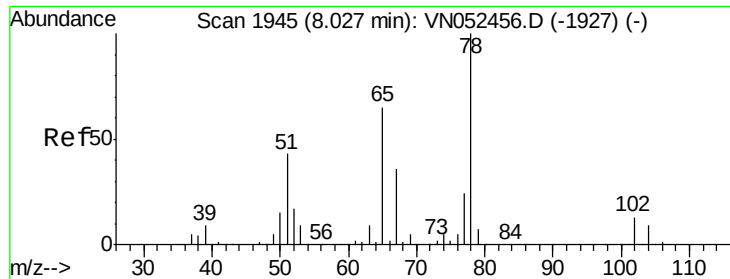
Tot Ion: 83 Resp: 412366
Ion Ratio Lower Upper
83 100
85 65.0 51.7 77.5



#26
Cyclohexane
Concen: 18.491 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion: 56 Resp: 386562
Ion Ratio Lower Upper
56 100
89 0.2 0.5 0.7#
84 86.2 66.2 99.2

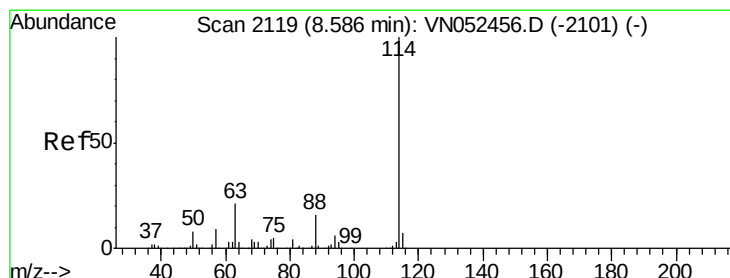
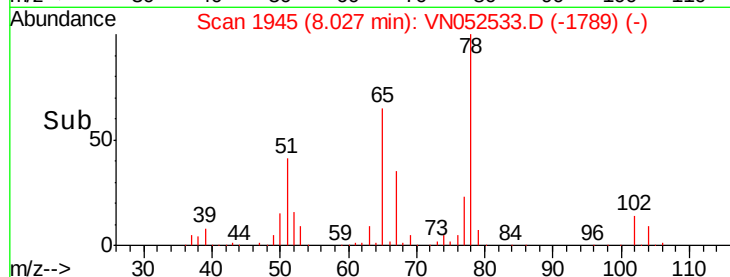
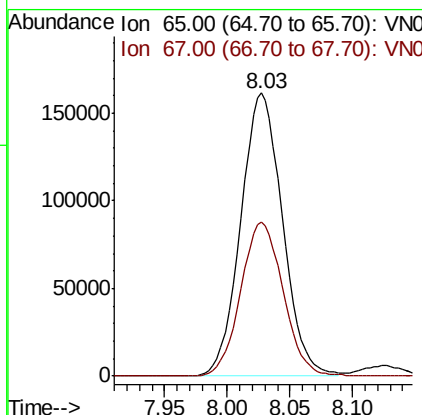
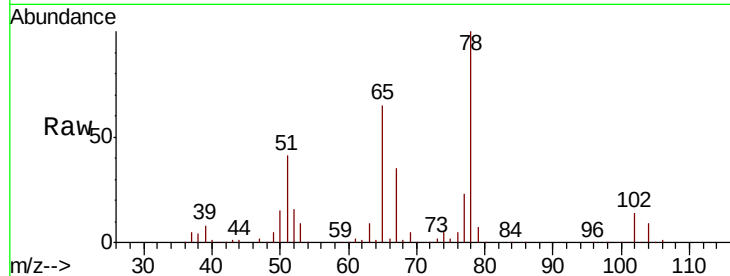




#27
 1,2-Dichloroethane-d4
 Concen: 18.491 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

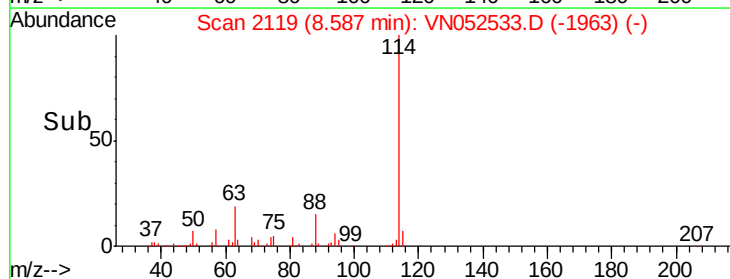
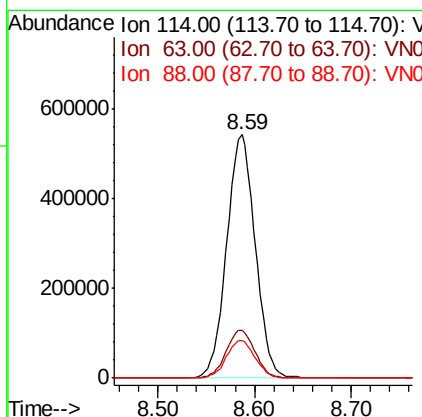
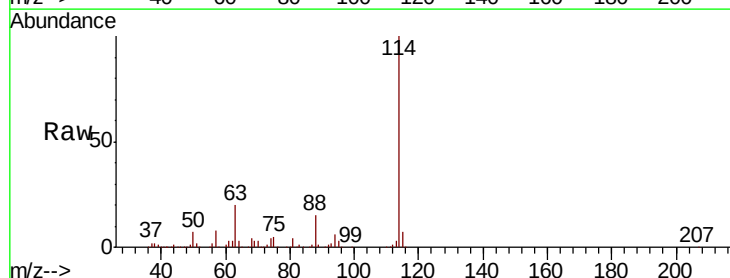
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

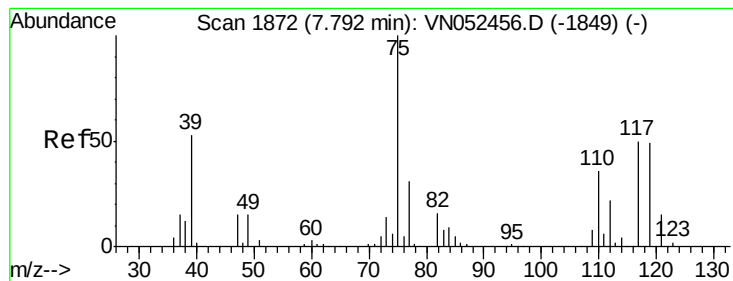
Tot Ion: 65 Resp: 374655
 Ion Ratio Lower Upper
 65 100
 67 55.1 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion: 114 Resp: 1112599
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.9 25.3
 88 15.5 12.8 19.2





#29

1,1-Dichloropropene

Concen: 18.638 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

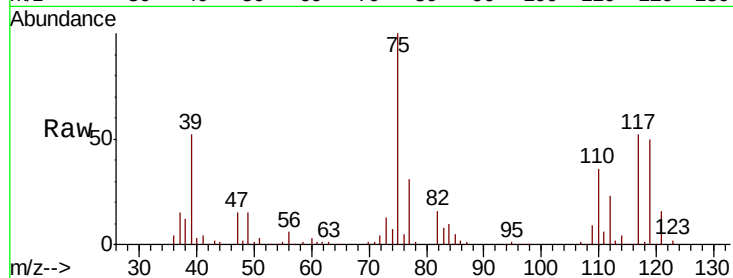
Tot Ion: 75 Resp: 316669

Ion Ratio Lower Upper

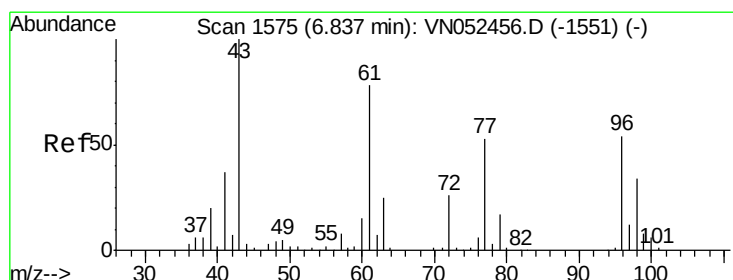
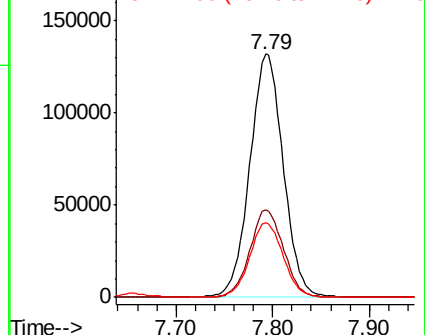
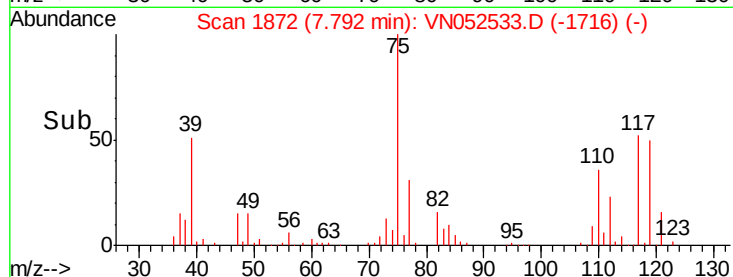
75 100

110 36.0 0.0 70.2

77 31.0 0.0 62.6



Abundance Ion 75.00 (74.70 to 75.70): VN052533.D (-1716) (-)



#30

2-Butanone

Concen: 87.701 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

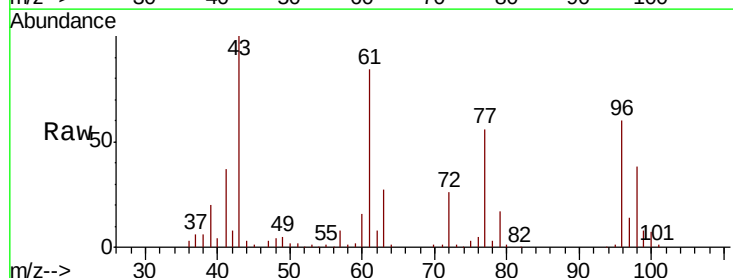
Tgt Ion: 43 Resp: 398721

Ion Ratio Lower Upper

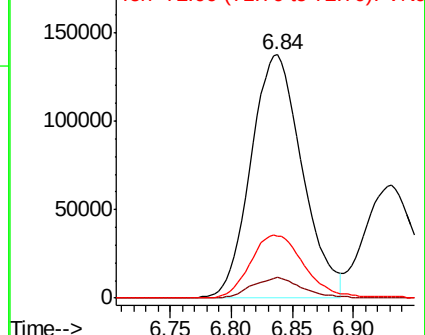
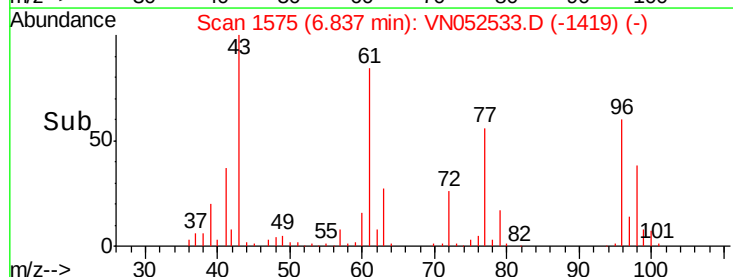
43 100

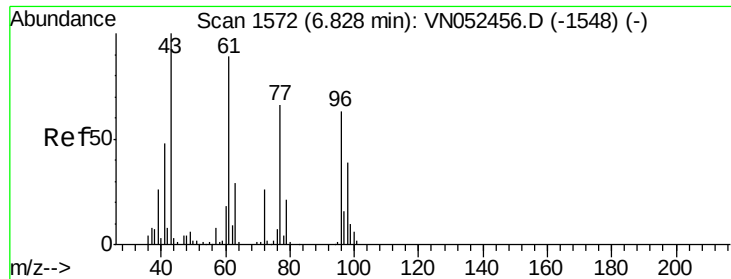
57 8.4 6.2 9.4

72 27.6 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN052533.D (-1419) (-)

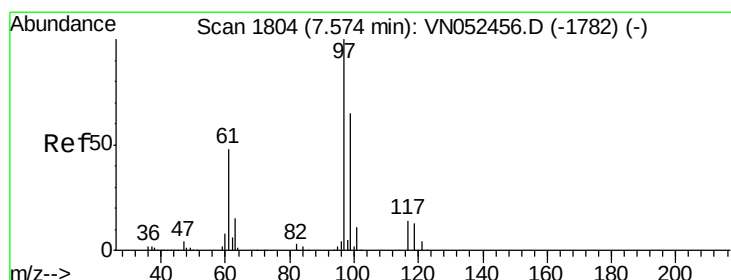
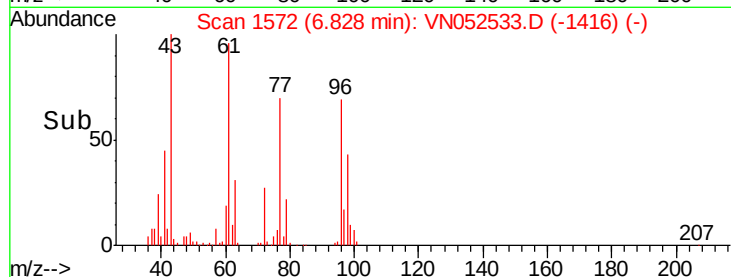
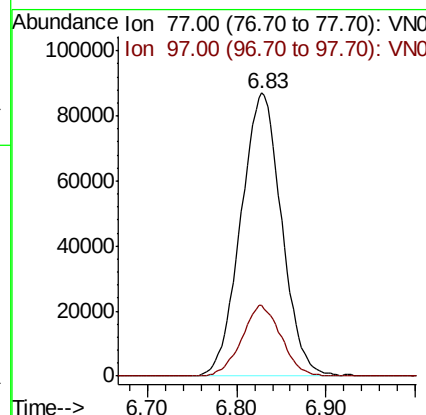
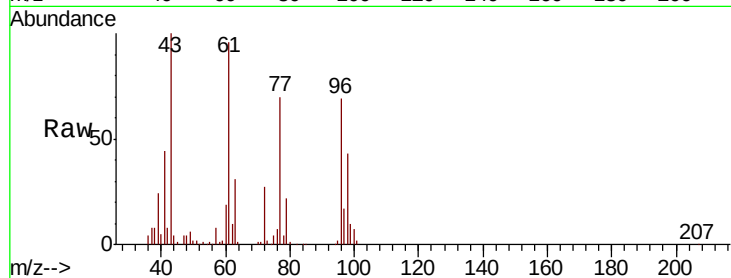




#31
 2,2-Dichloropropane
 Concen: 17.662 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

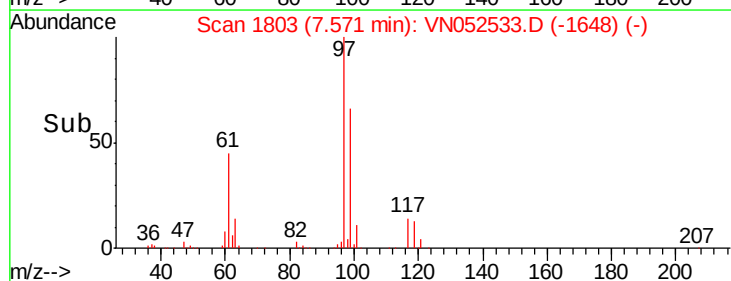
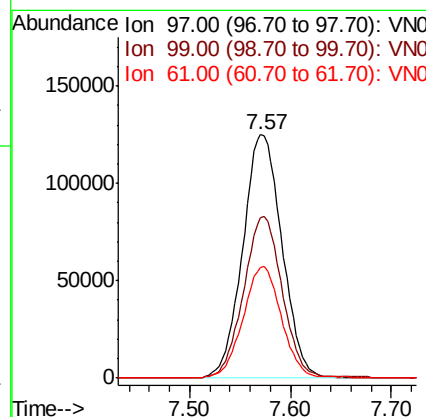
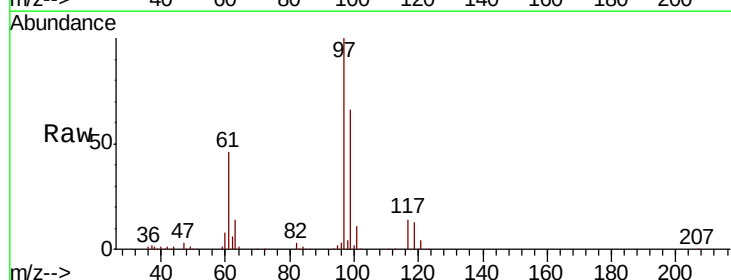
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

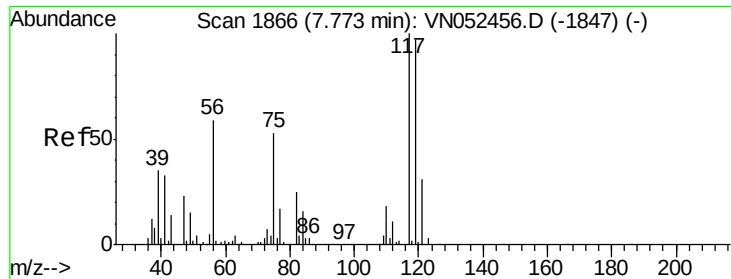
Tot Ion: 77 Resp: 276263
 Ion Ratio Lower Upper
 77 100
 97 24.2 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 19.058 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion: 97 Resp: 336929
 Ion Ratio Lower Upper
 97 100
 99 65.3 50.9 76.3
 61 45.0 38.1 57.1

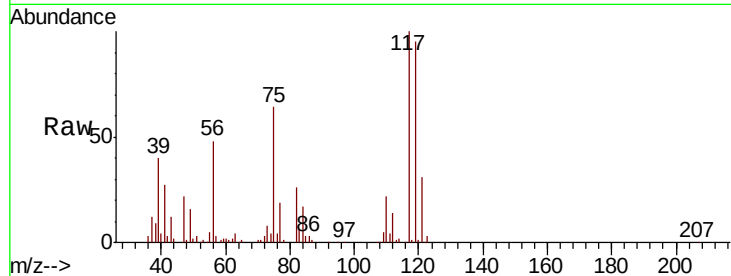




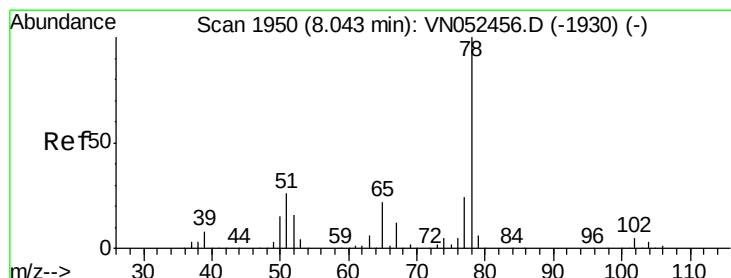
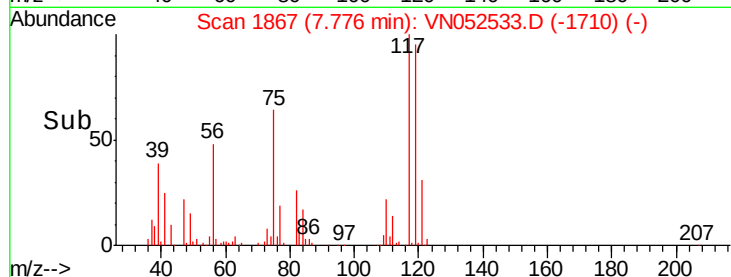
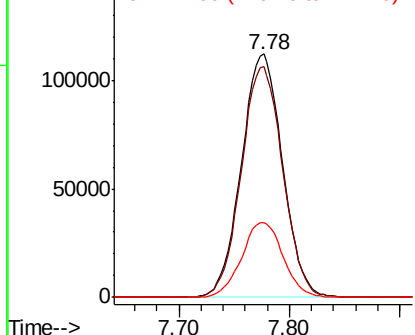
#33
Carbon Tetrachloride
Concen: 18.722 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 289604
Ion Ratio Lower Upper
117 100
119 94.6 77.3 115.9
121 30.6 24.9 37.3

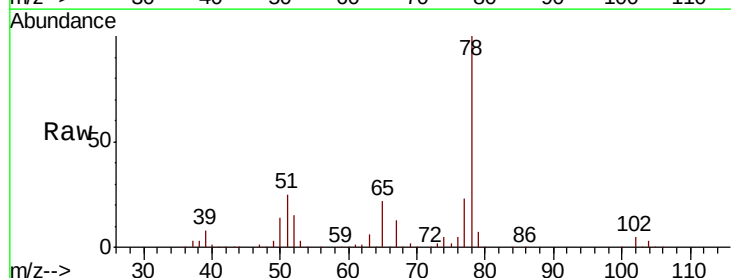


Abundance Ion 117.00 (116.70 to 117.70): V
150000 Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

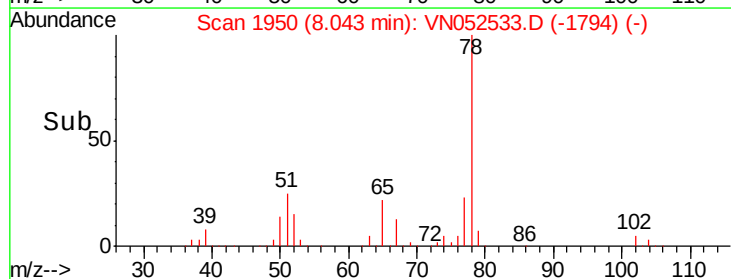
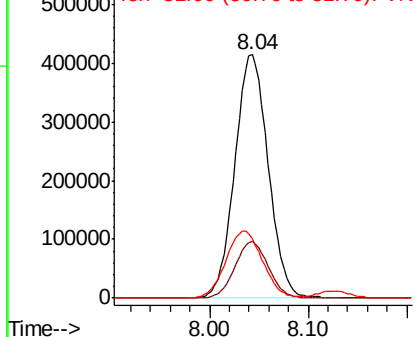


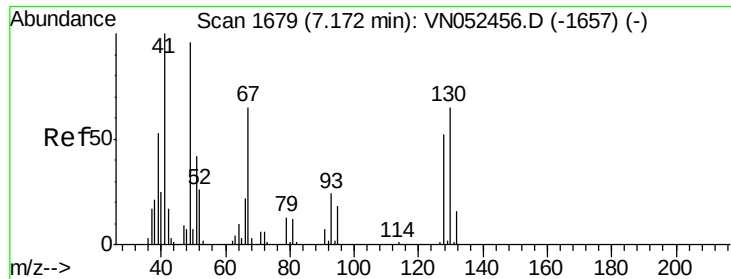
#34
Benzene
Concen: 19.011 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion: 78 Resp: 971128
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6
51 24.4 20.5 30.7



Abundance Ion 78.10 (77.80 to 78.80): V
500000 Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

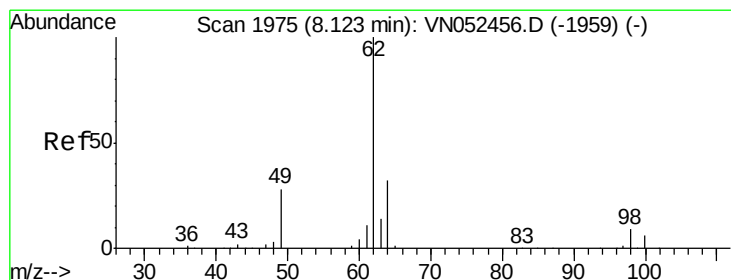
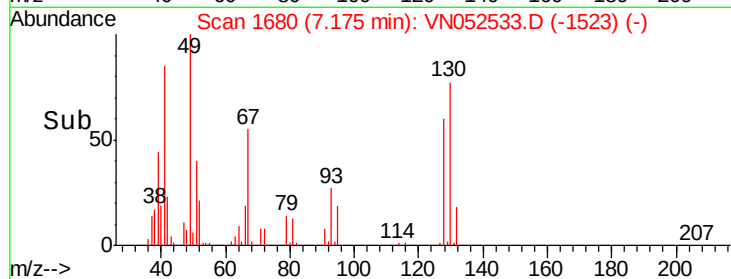
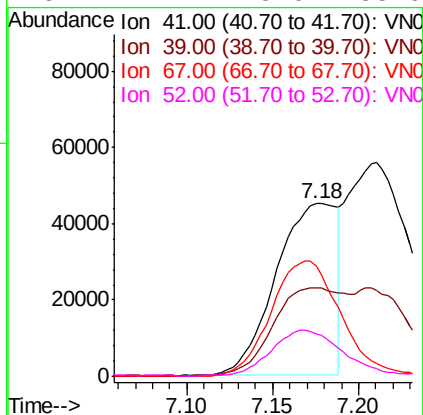
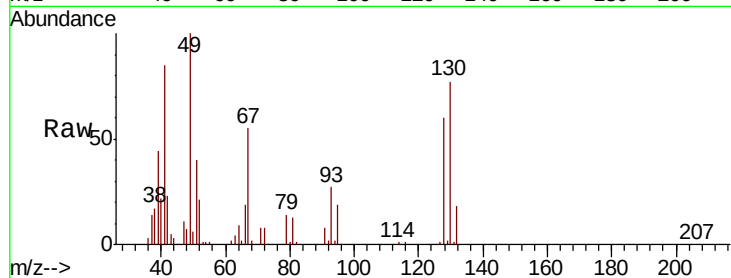




#35
Methacrylonitrile
Concen: 19.630 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

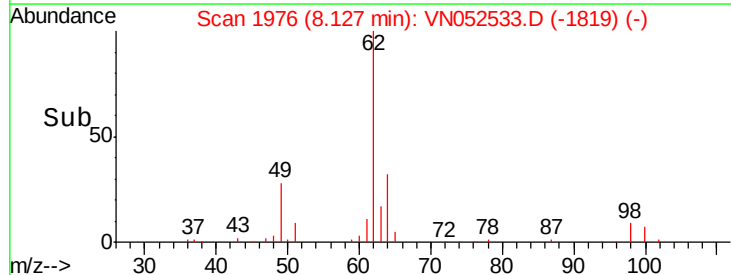
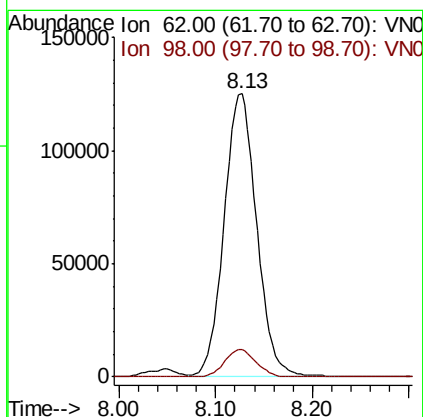
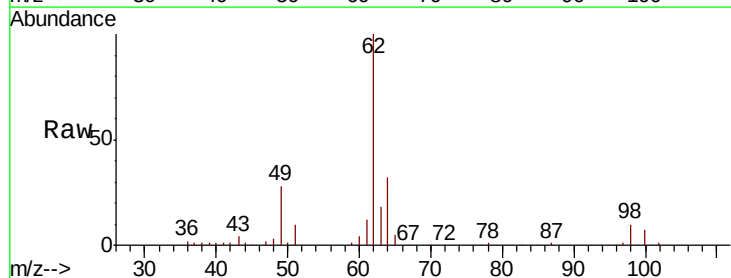
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

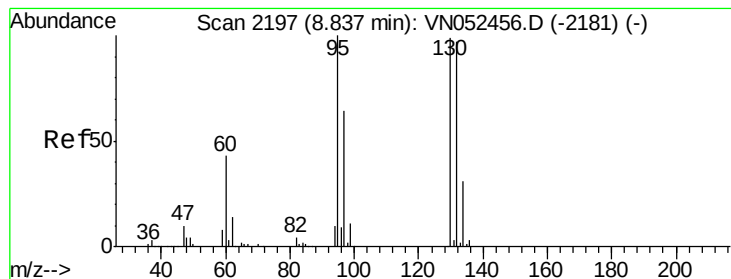
Tot Ion: 41 Resp: 110728
Ion Ratio Lower Upper
41 100
39 51.7 26.6 79.7
67 64.1 32.3 96.9
52 24.4 13.0 38.9



#36
1,2-Dichloroethane
Concen: 18.964 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion: 62 Resp: 293550
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2





#37

Trichloroethene

Concen: 19.478 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

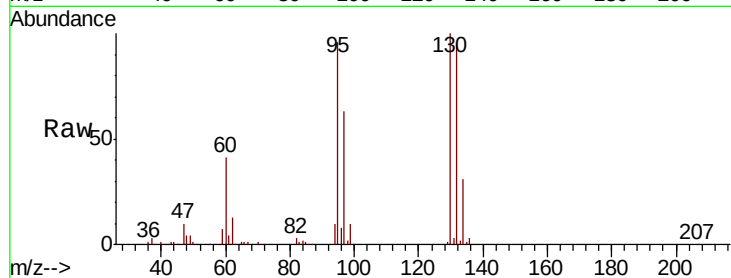
VSTDCCC020

Tot Ion:130 Resp: 252309

Ion Ratio Lower Upper

130 100

95 96.0 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

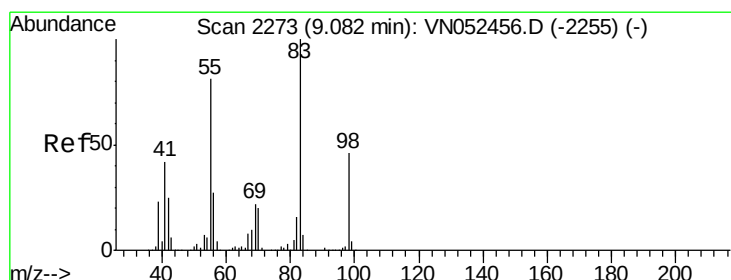
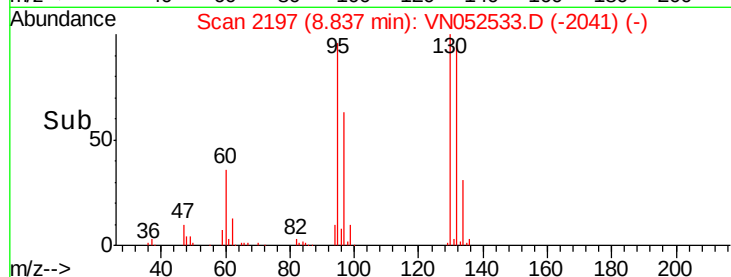
8.84

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 18.118 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

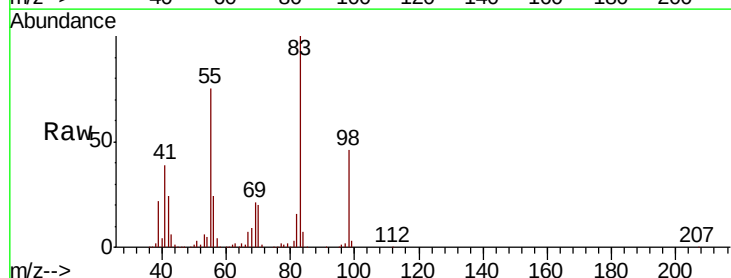
Tgt Ion: 83 Resp: 381078

Ion Ratio Lower Upper

83 100

55 75.0 39.8 119.4

98 46.4 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

250000

200000

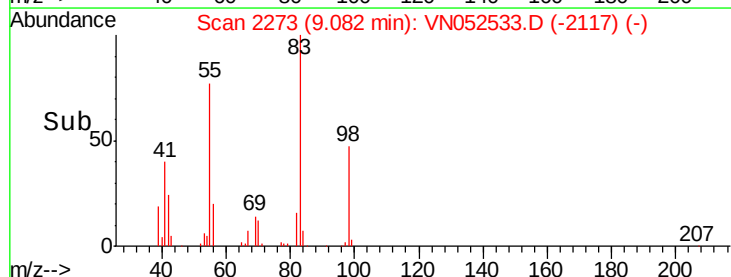
150000

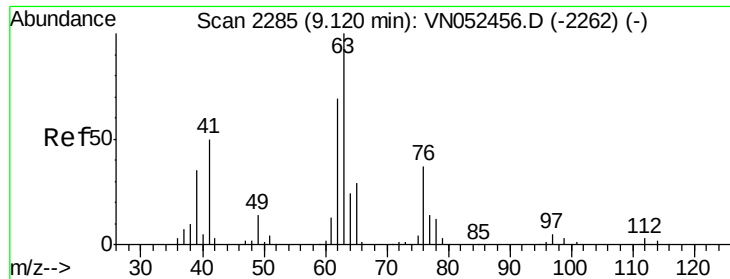
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 18.462 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

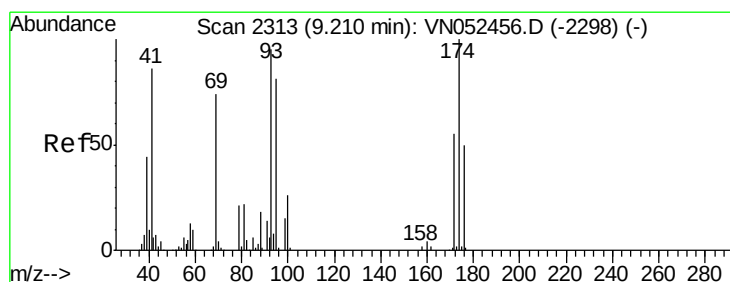
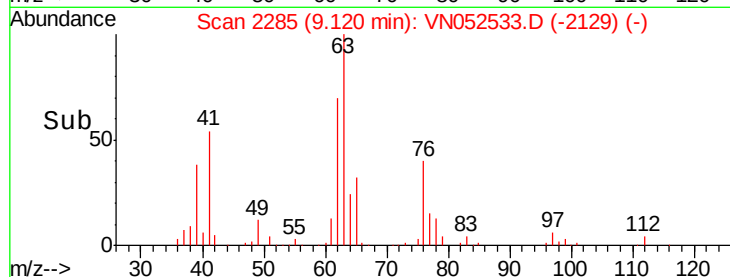
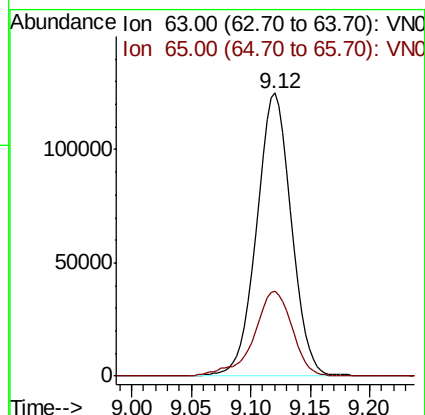
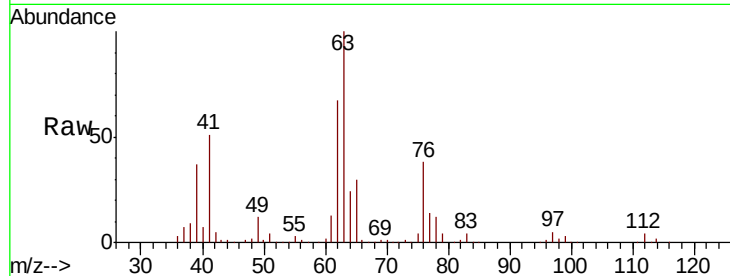
VSTDCCC020

Tot Ion: 63 Resp: 252801

Ion Ratio Lower Upper

63 100

65 30.0 23.6 35.4



#40

Dibromomethane

Concen: 19.107 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

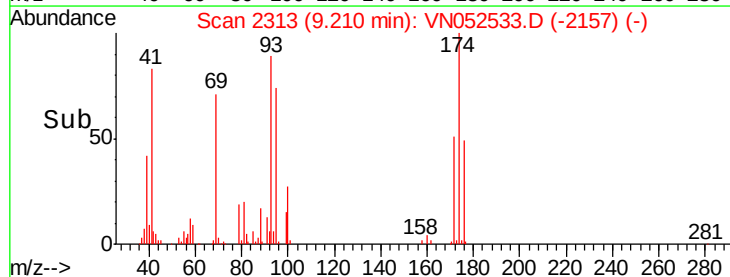
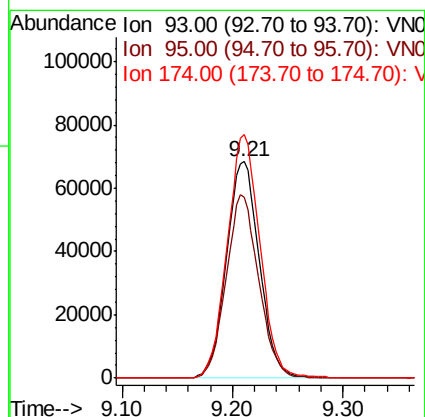
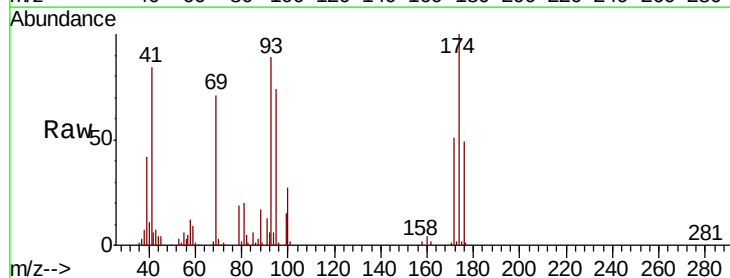
Tgt Ion: 93 Resp: 141381

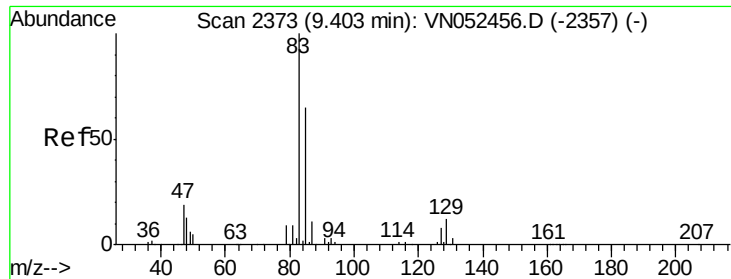
Ion Ratio Lower Upper

93 100

95 83.7 0.0 168.4

174 111.9 0.0 210.0





#41

Bromodichloromethane

Concen: 18.687 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

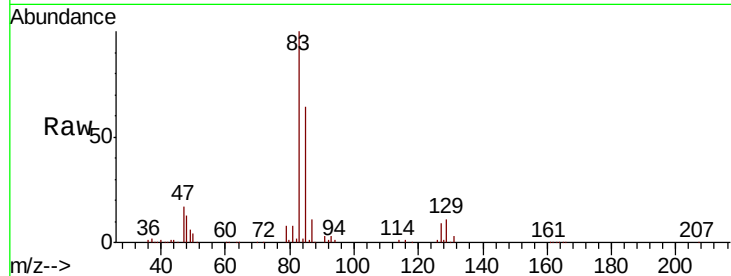
Tot Ion: 83 Resp: 305507

Ion Ratio Lower Upper

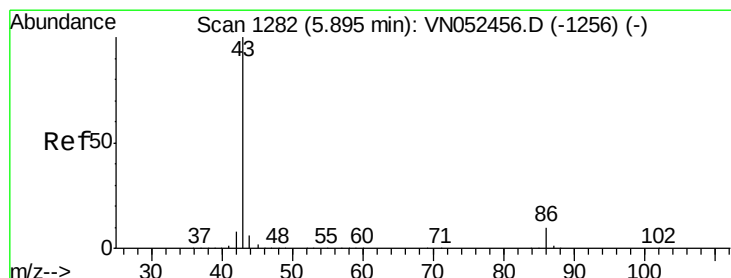
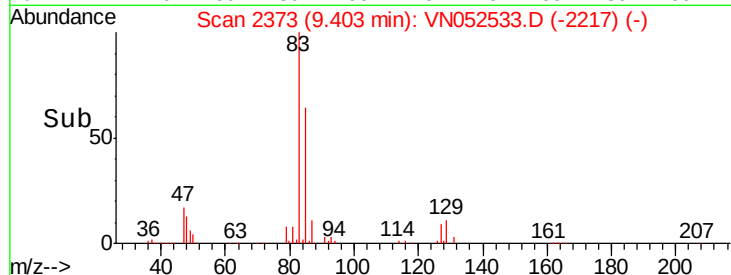
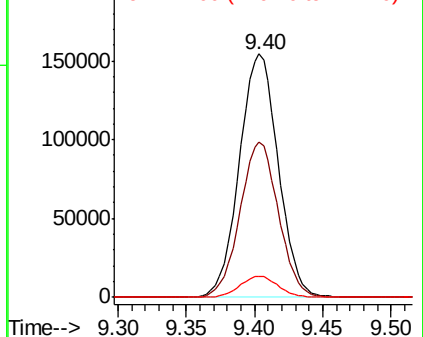
83 100

85 64.0 52.4 78.6

127 8.7 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 91.404 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052533.D

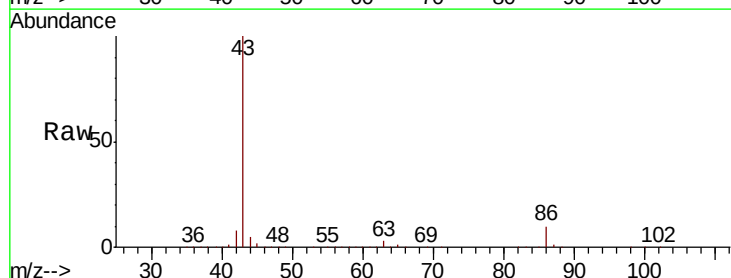
Acq: 28 Nov 2018 21:41

Tgt Ion: 43 Resp: 2248433

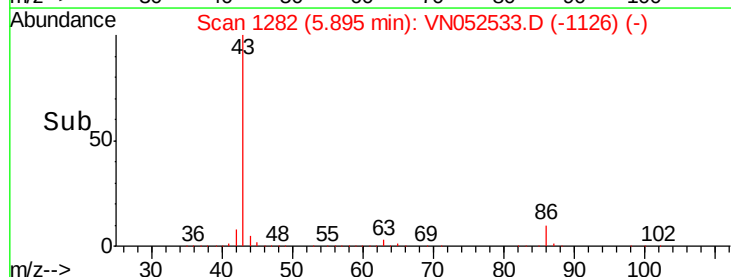
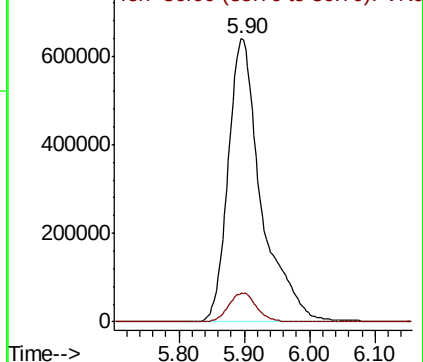
Ion Ratio Lower Upper

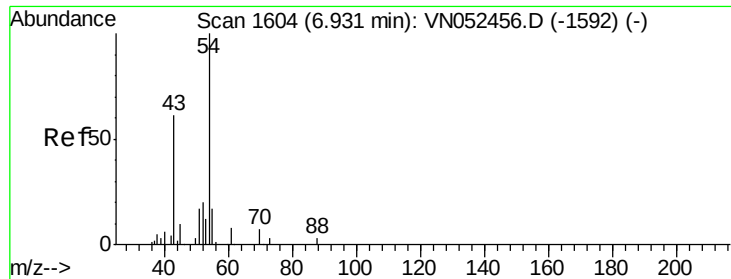
43 100

86 8.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

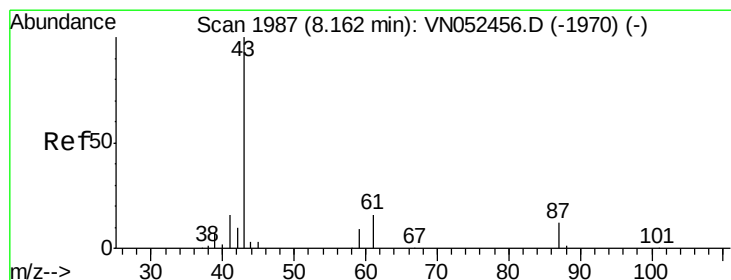
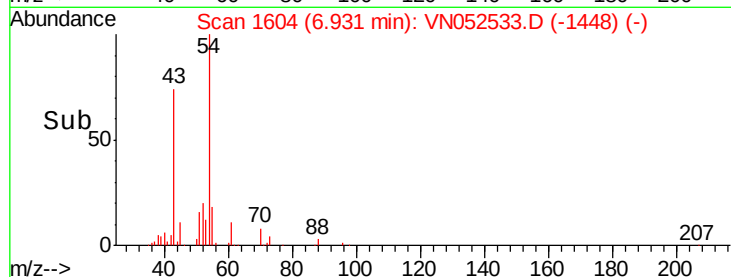
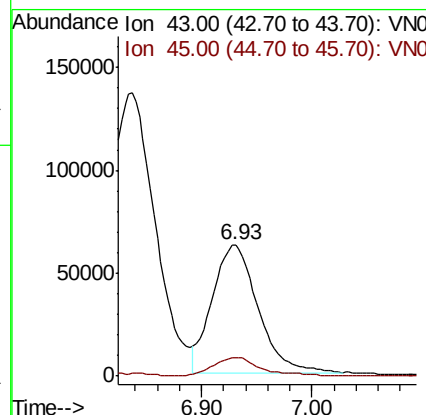
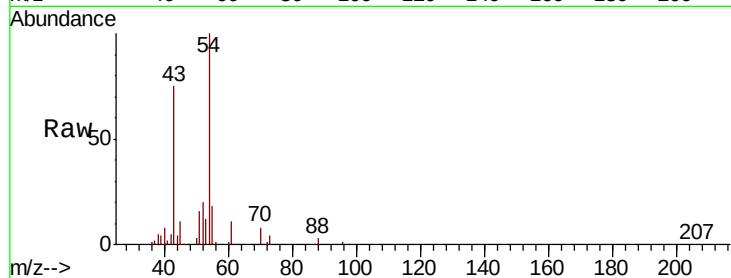




#43
Ethyl Acetate
Concen: 18.570 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

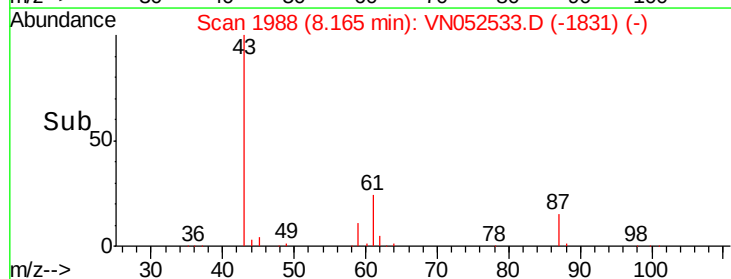
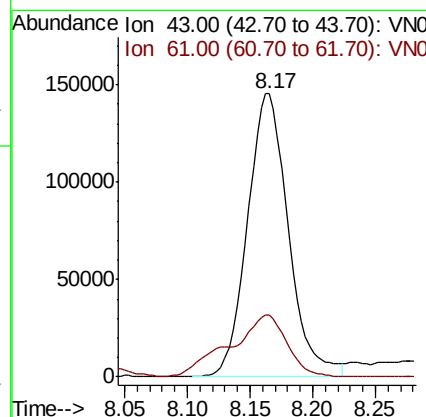
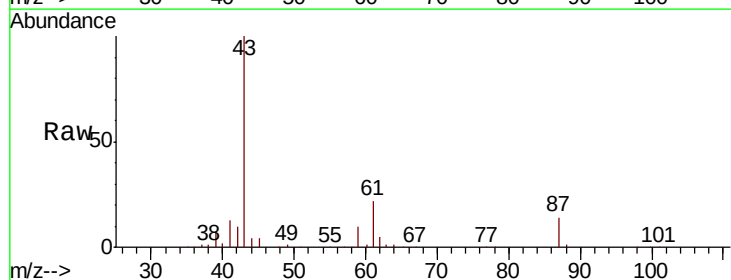
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

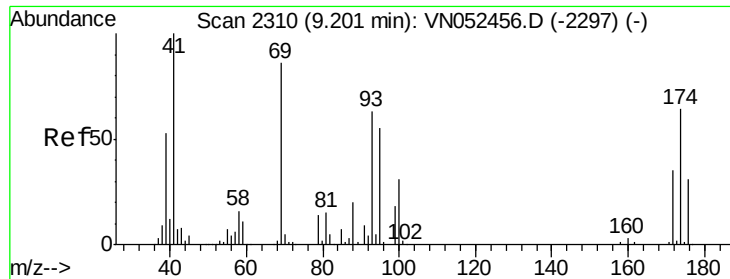
Tot Ion: 43 Resp: 179524
Ion Ratio Lower Upper
43 100
45 14.1 1.0 1.6#



#44
Isopropyl Acetate
Concen: 19.383 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion: 43 Resp: 328631
Ion Ratio Lower Upper
43 100
61 30.9 16.0 24.0#

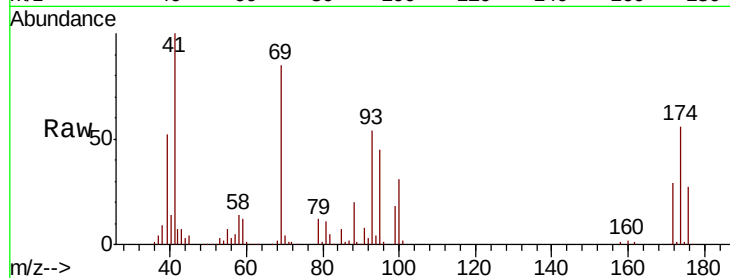




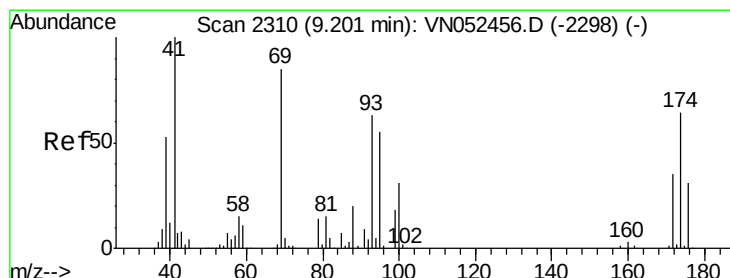
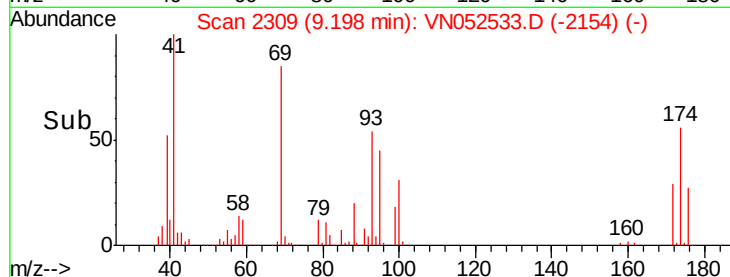
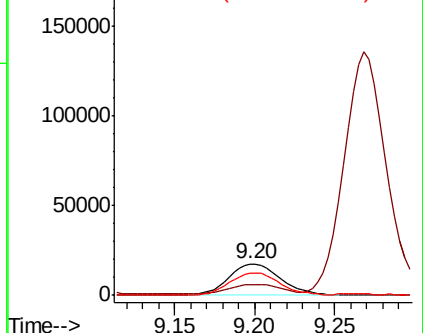
#45
 1,4-Dioxane
 Concen: 415.305 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 38521
 Ion Ratio Lower Upper
 88 100
 43 32.1 29.5 44.3
 58 70.4 61.5 92.3

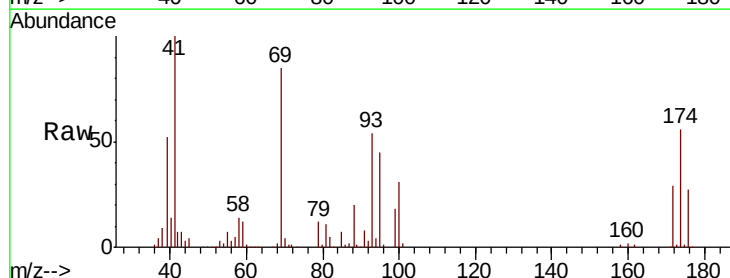


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

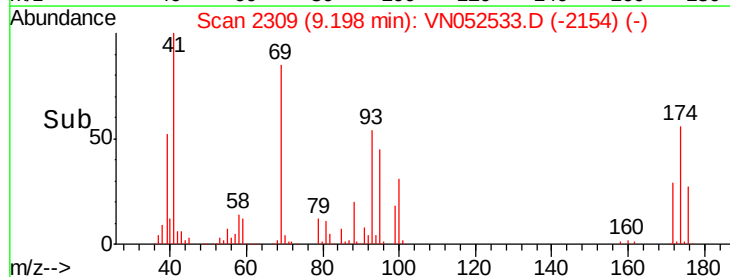
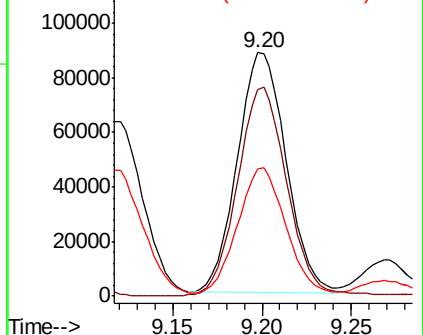


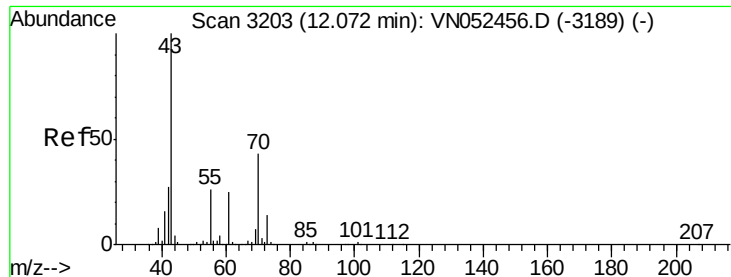
#46
 Methyl methacrylate
 Concen: 19.079 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion: 41 Resp: 167960
 Ion Ratio Lower Upper
 41 100
 69 86.0 42.5 127.6
 39 51.8 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: 18.025 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

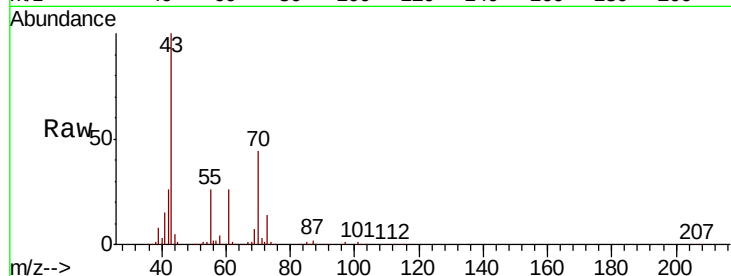
VSTDCCC020

Tot Ion: 43 Resp: 253386

Ion Ratio Lower Upper

43 100

55 25.7 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

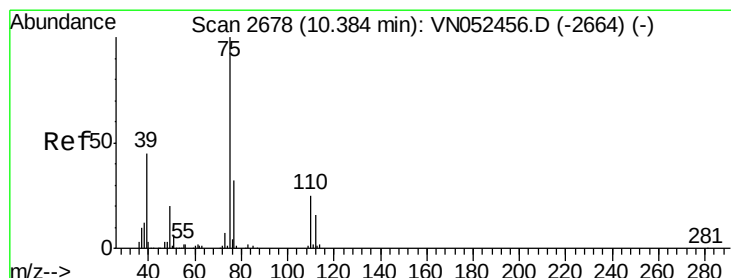
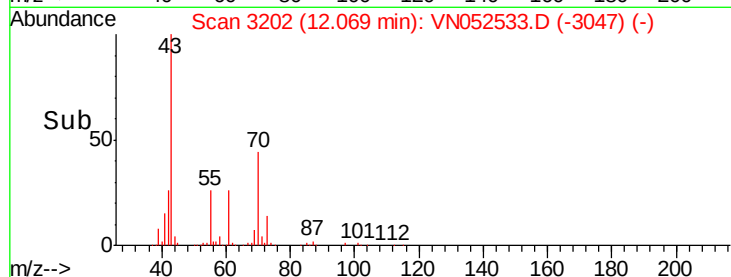
150000

100000

50000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 18.206 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052533.D

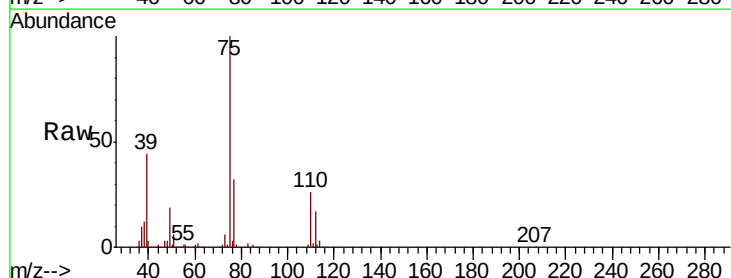
Acq: 28 Nov 2018 21:41

Tgt Ion: 75 Resp: 288591

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

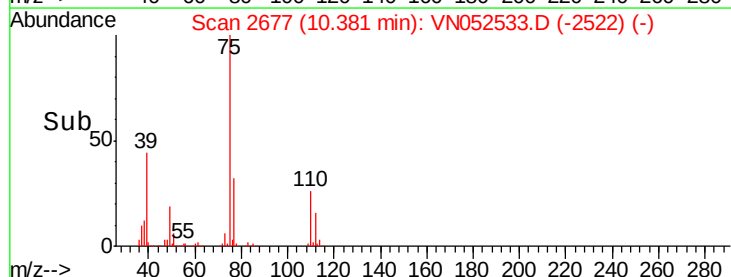
150000

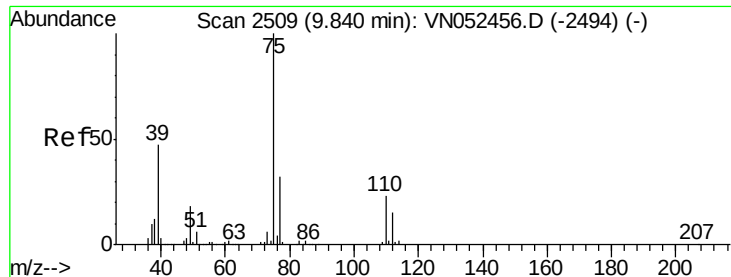
100000

50000

0

Time-->



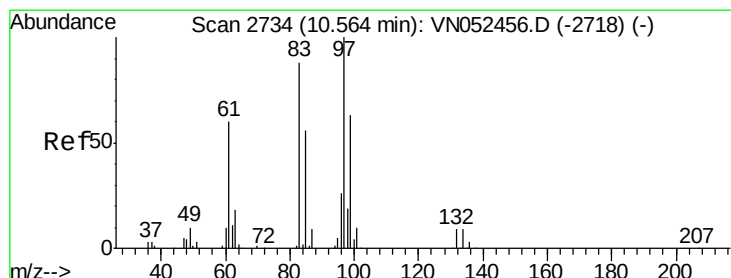
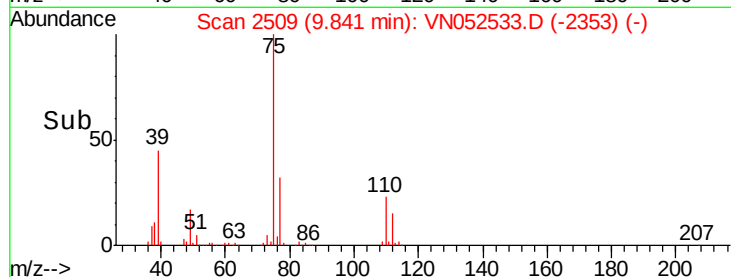
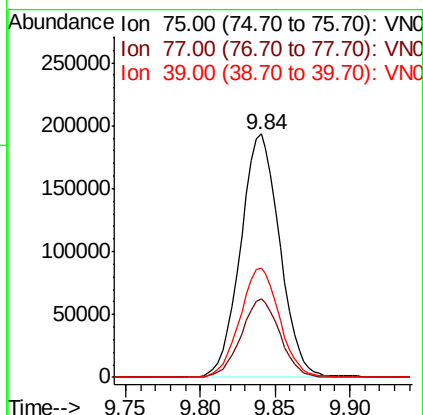
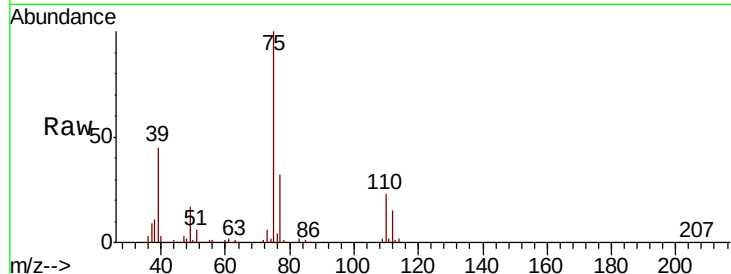


#49

cis-1,3-Dichloropropene
 Concen: 18.273 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

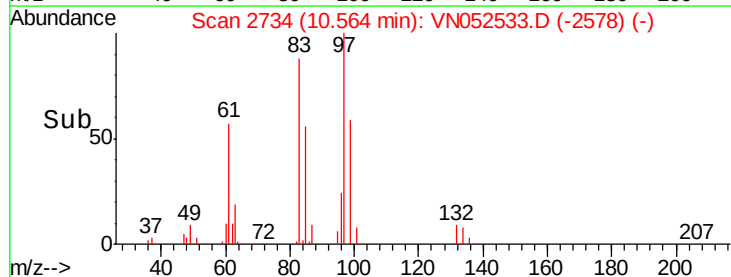
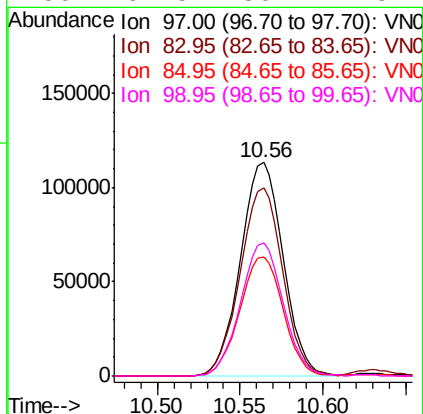
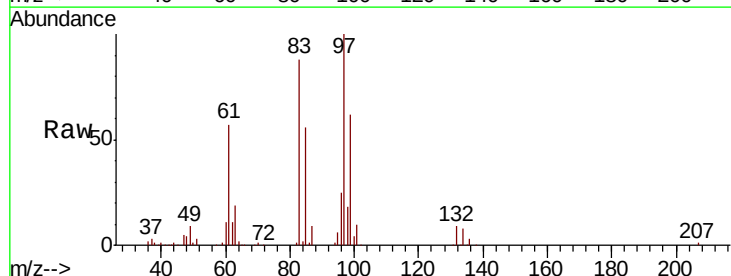
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0
39	44.9	37.3	55.9

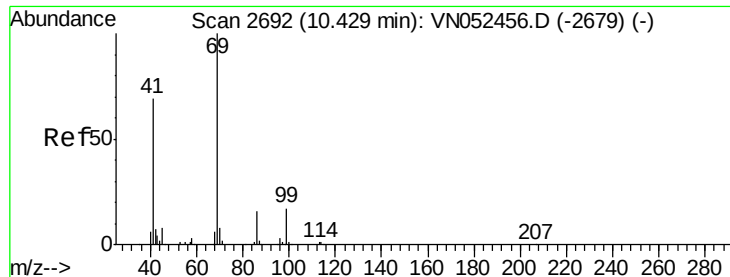


#50

1,1,2-Trichloroethane
 Concen: 19.446 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.4	105.6
85	56.0	45.0	67.6
99	62.5	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.344 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

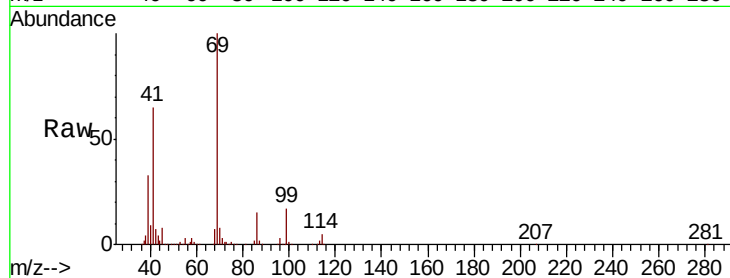
Tot Ion: 69 Resp: 254827

Ion Ratio Lower Upper

69 100

41 65.0 34.4 103.3

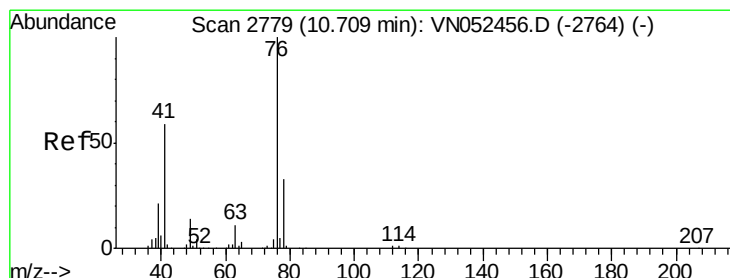
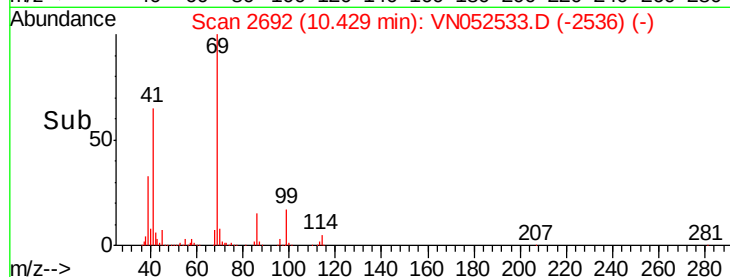
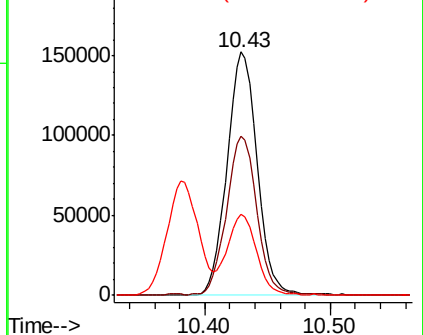
39 33.0 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.010 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052533.D

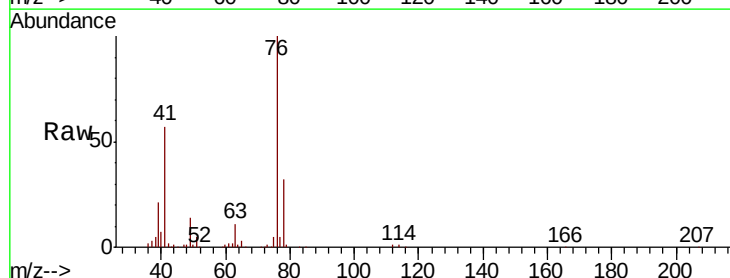
Acq: 28 Nov 2018 21:41

Tgt Ion: 76 Resp: 354912

Ion Ratio Lower Upper

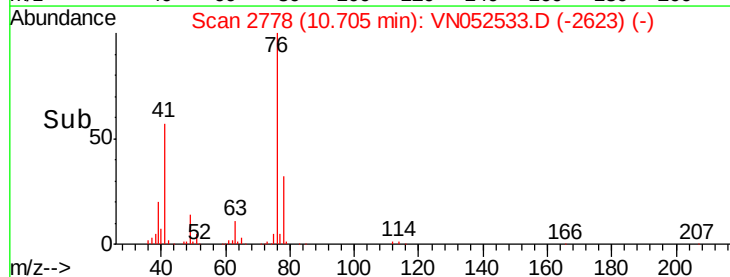
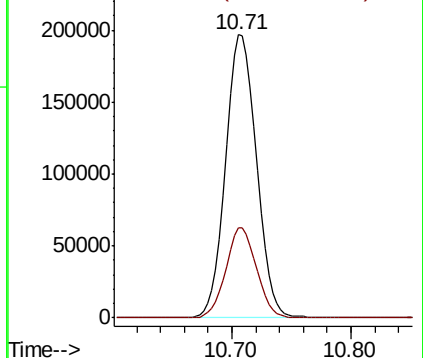
76 100

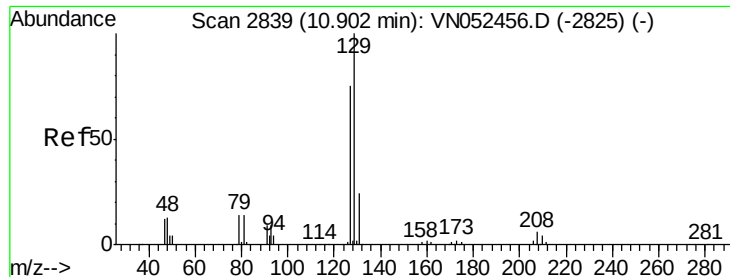
78 31.6 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.658 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

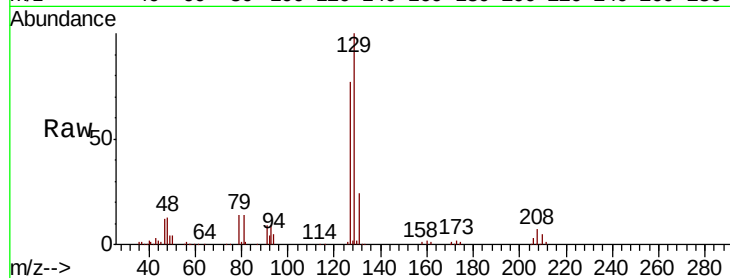
VSTDCCC020

Tot Ion:129 Resp: 215456

Ion Ratio Lower Upper

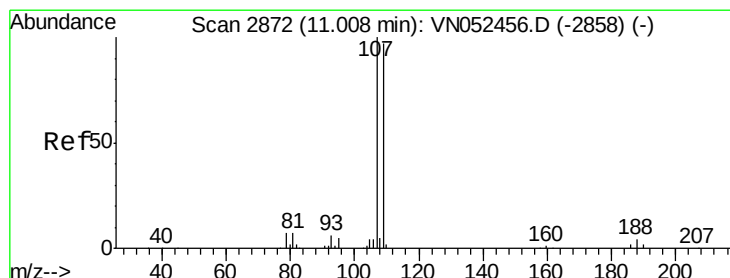
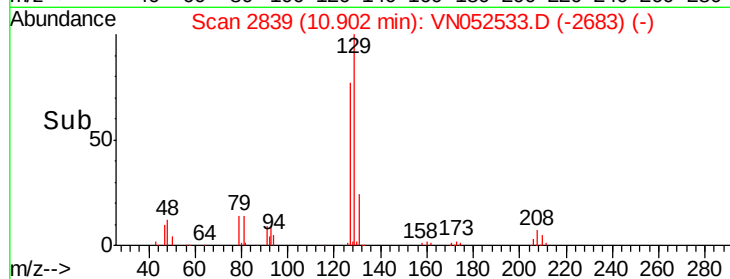
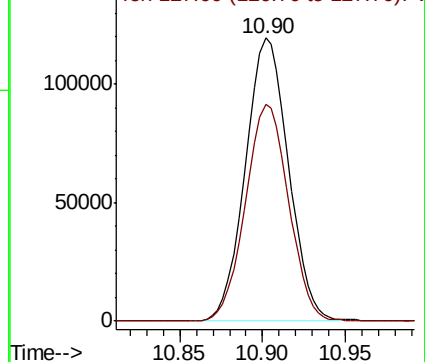
129 100

127 77.0 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.412 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052533.D

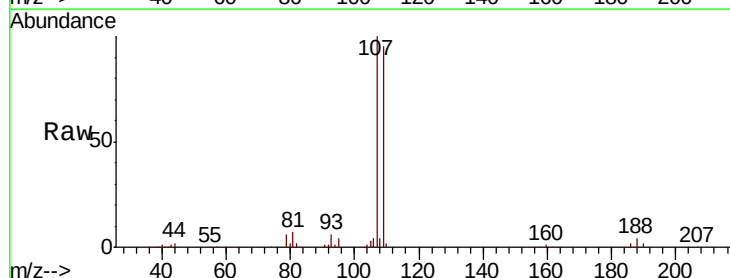
Acq: 28 Nov 2018 21:41

Tgt Ion:107 Resp: 198968

Ion Ratio Lower Upper

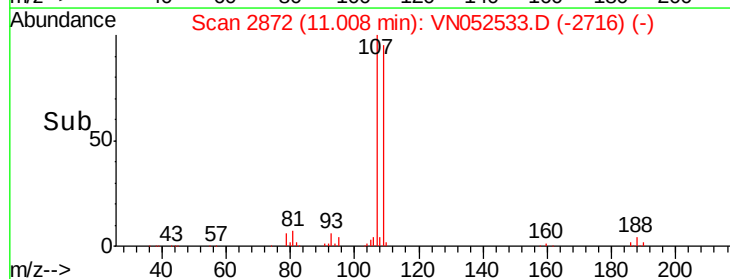
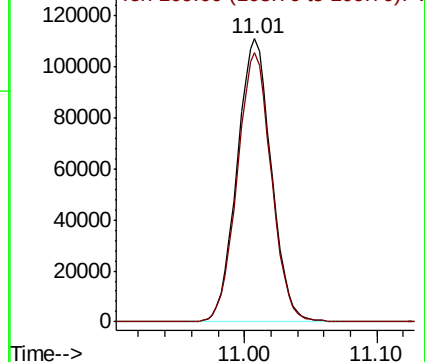
107 100

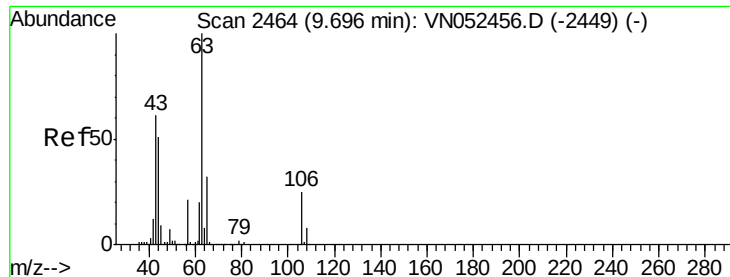
109 94.7 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

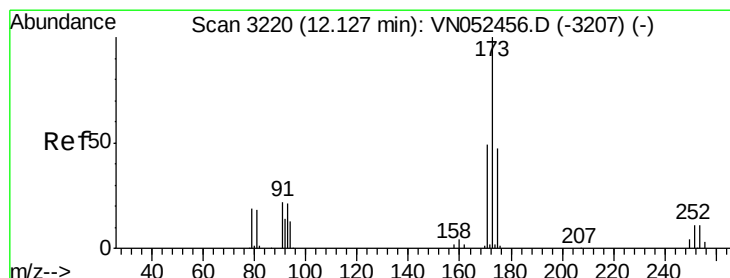
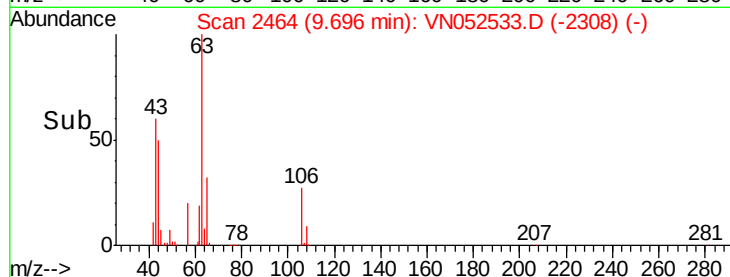
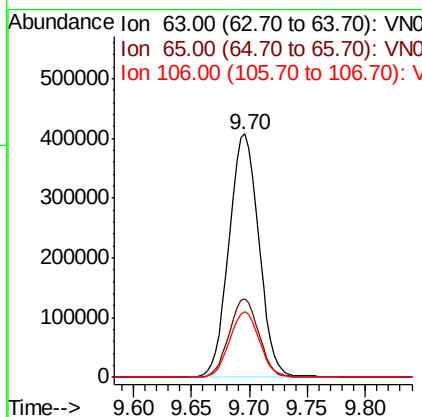
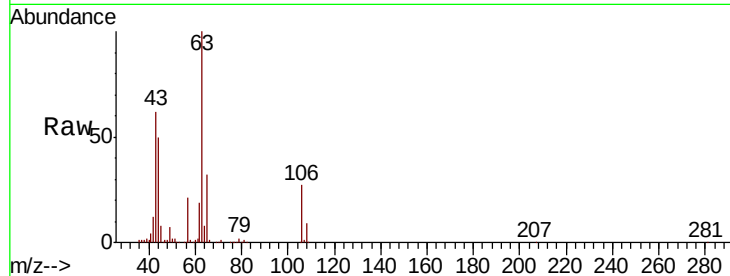




#55
 2-Chloroethyl vinyl ether
 Concen: 94.412 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

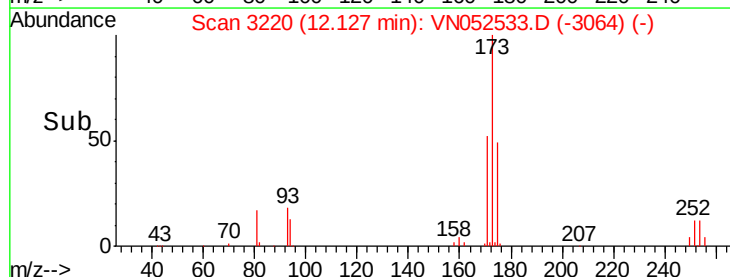
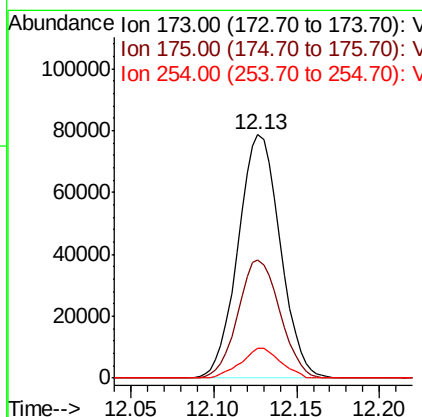
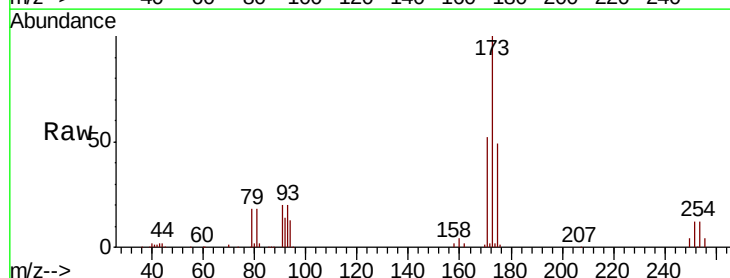
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

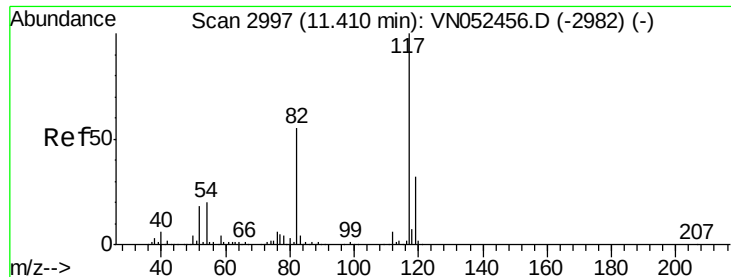
Tot Ion: 63 Resp: 728032
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.4 38.2
 106 26.7 20.4 30.6



#56
 Bromoform
 Concen: 18.424 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion: 173 Resp: 139068
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.7 58.1
 254 11.4 8.4 12.6

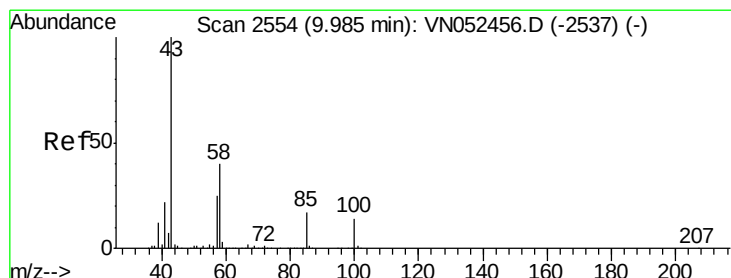
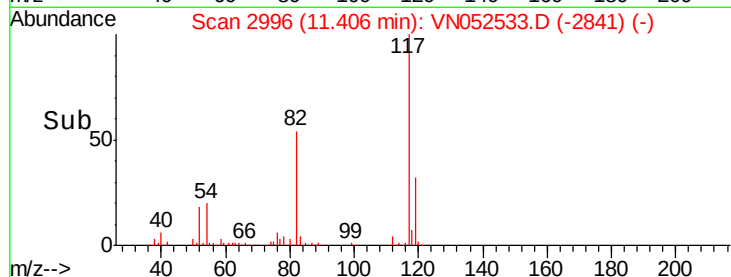
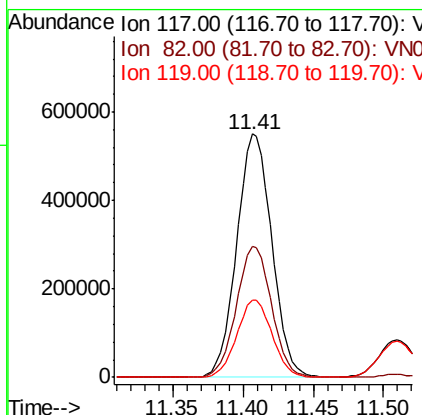
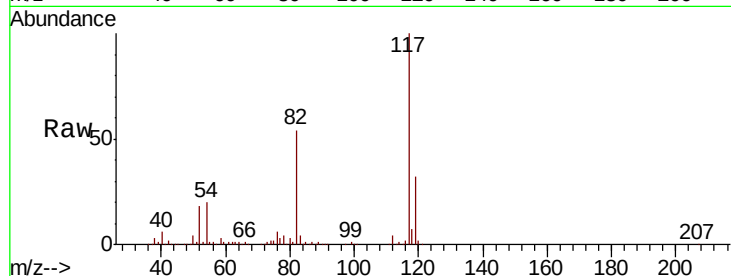




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

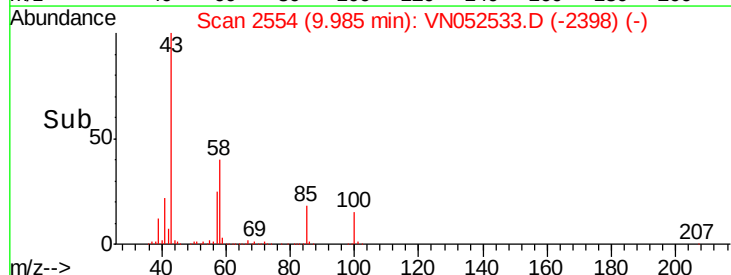
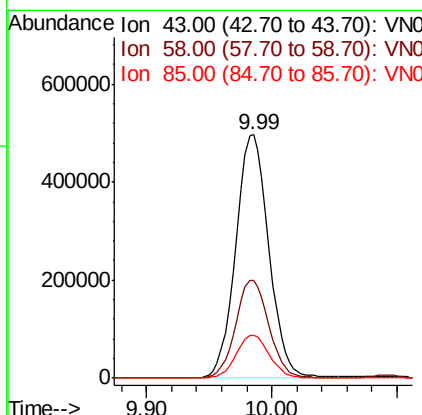
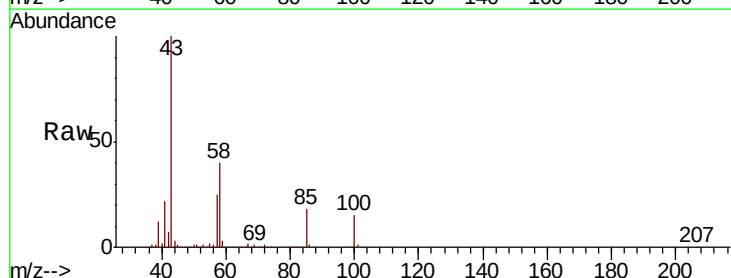
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

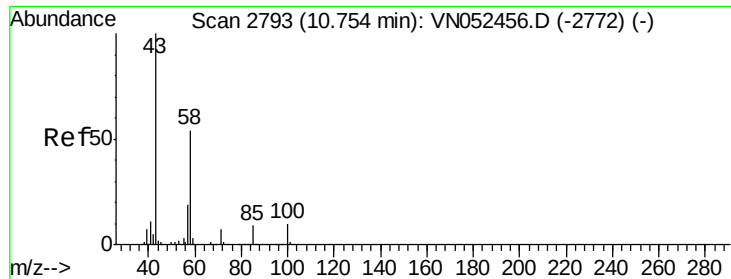
Tot Ion:117 Resp: 960661
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 31.9 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 97.689 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion: 43 Resp: 909813
Ion Ratio Lower Upper
43 100
58 40.4 31.6 47.4
85 17.7 13.3 19.9

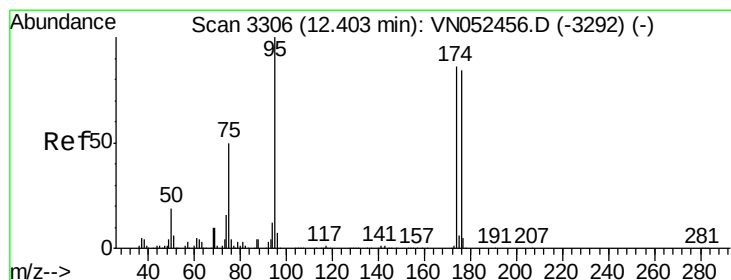
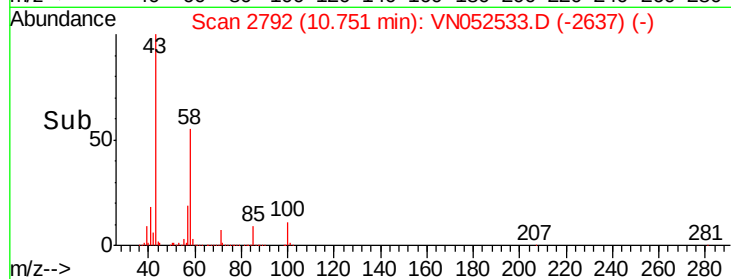
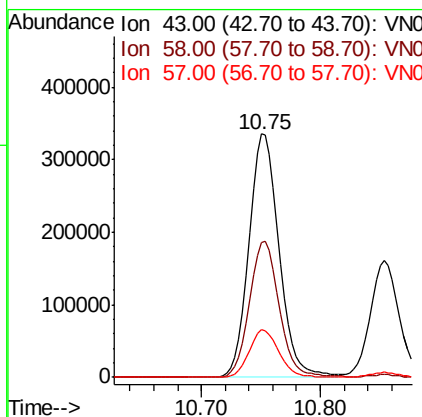
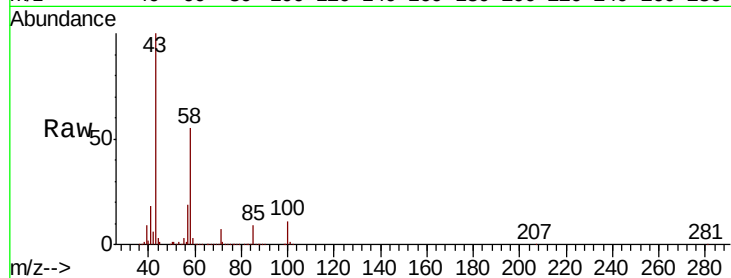




#59
2-Hexanone
Concen: 92.161 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

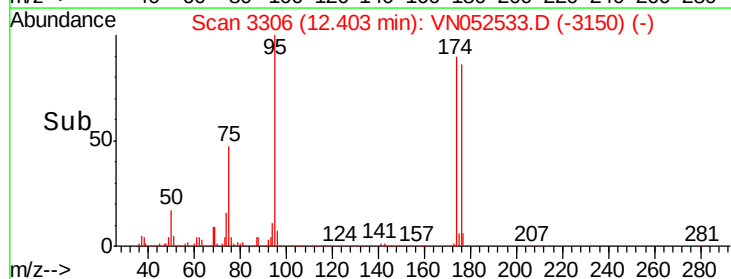
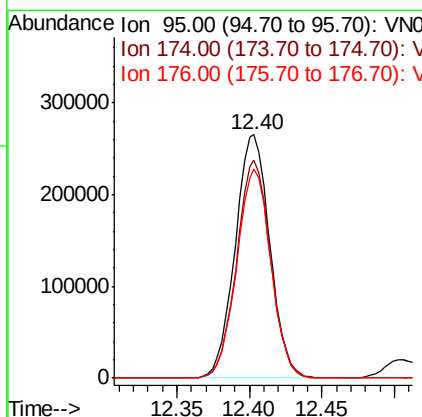
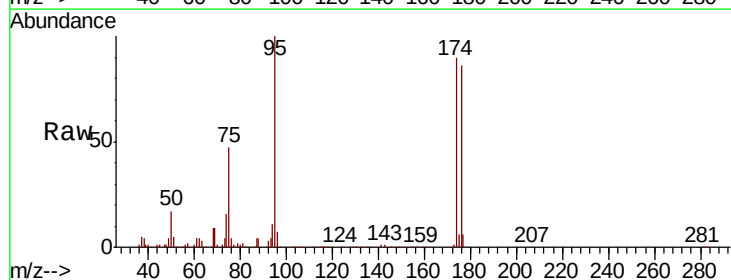
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

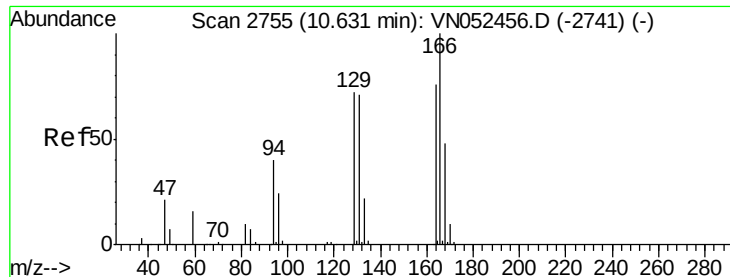
Tot Ion: 43 Resp: 586338
Ion Ratio Lower Upper
43 100
58 55.7 43.2 64.8
57 19.3 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 92.161 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion: 95 Resp: 438745
Ion Ratio Lower Upper
95 100
174 87.9 67.9 101.9
176 85.1 66.4 99.6





#61

Tetrachloroethene

Concen: 20.136 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 238246

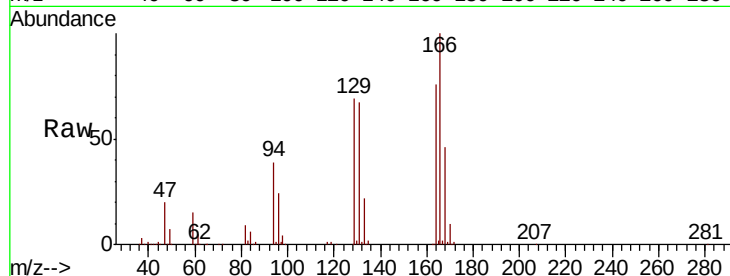
Ion Ratio Lower Upper

164 100

166 131.2 104.6 157.0

129 91.0 75.3 112.9

131 87.9 74.3 111.5

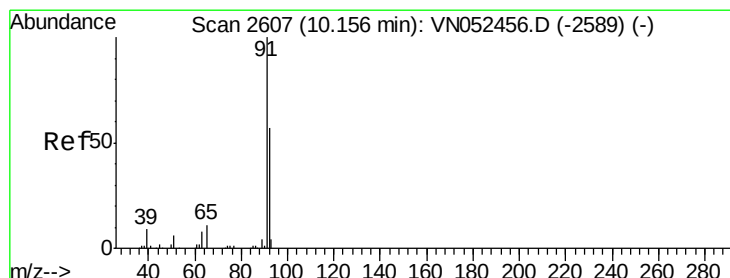
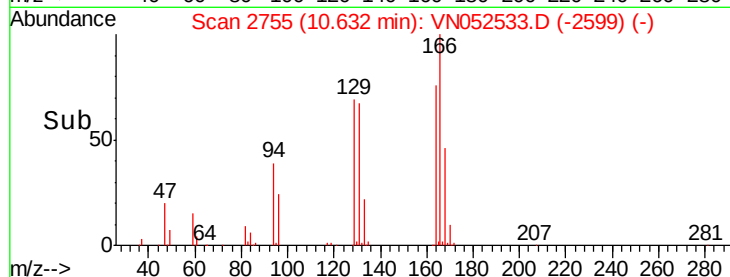
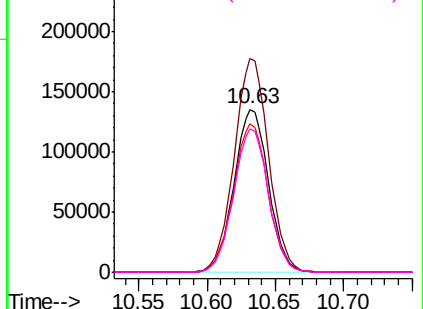


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.834 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052533.D

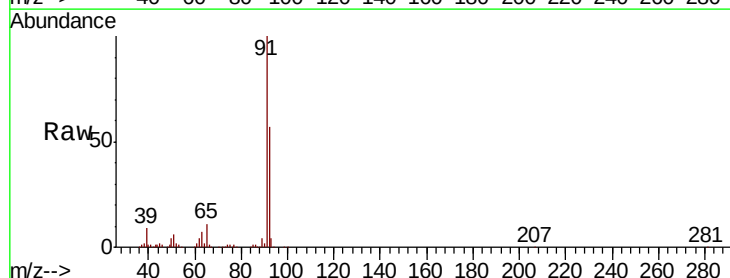
Acq: 28 Nov 2018 21:41

Tgt Ion: 91 Resp: 1050375

Ion Ratio Lower Upper

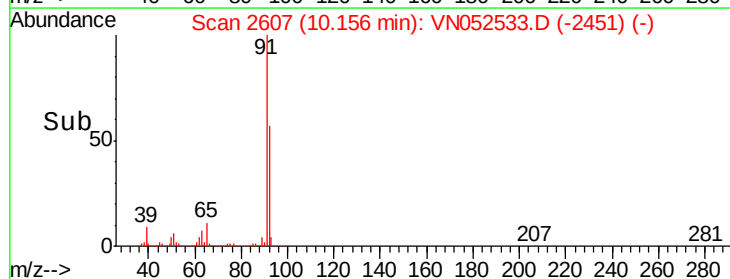
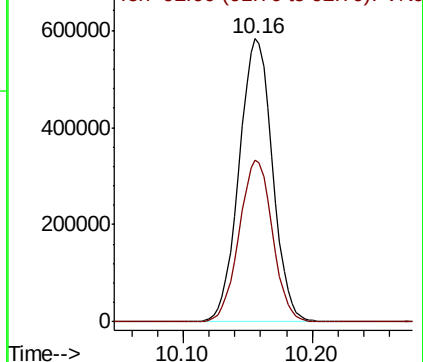
91 100

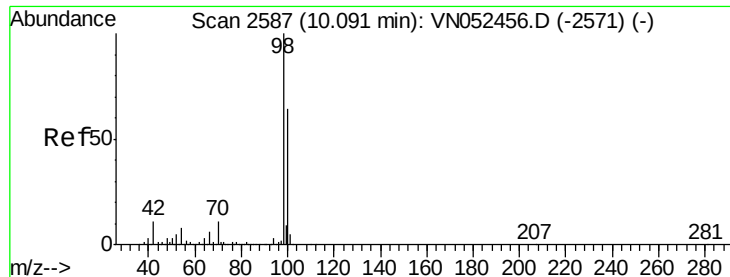
92 57.2 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 19.834 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

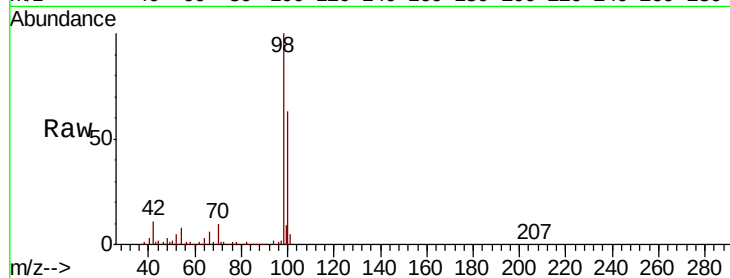
VSTDCCC020

Tot Ion: 98 Resp: 1335396

Ion Ratio Lower Upper

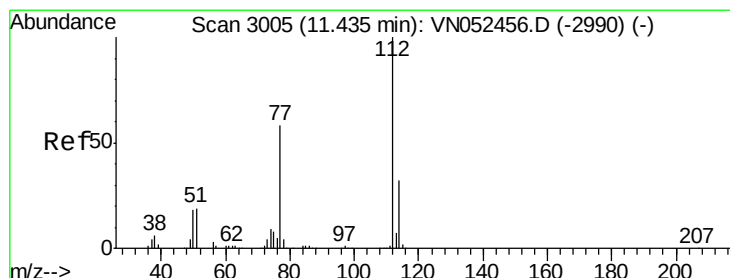
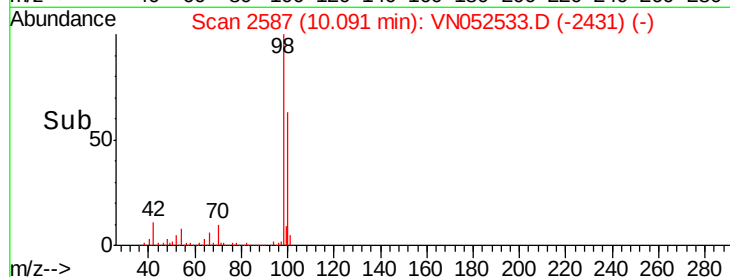
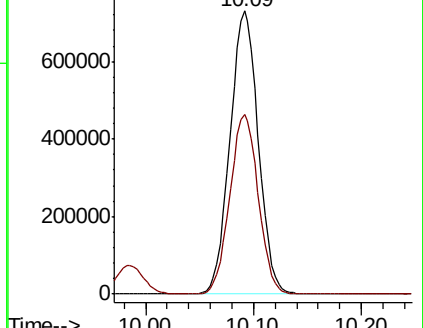
98 100

100 63.7 51.1 76.7



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

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)



#64

Chlorobenzene

Concen: 19.582 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052533.D

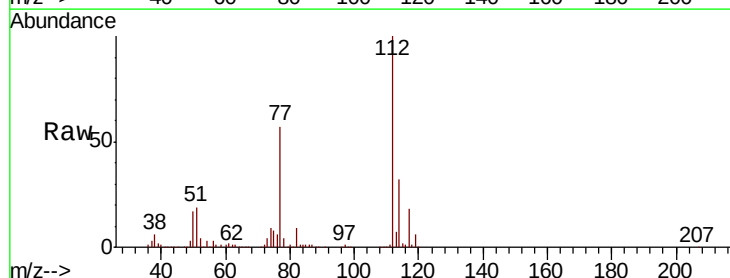
Acq: 28 Nov 2018 21:41

Tgt Ion: 112 Resp: 632986

Ion Ratio Lower Upper

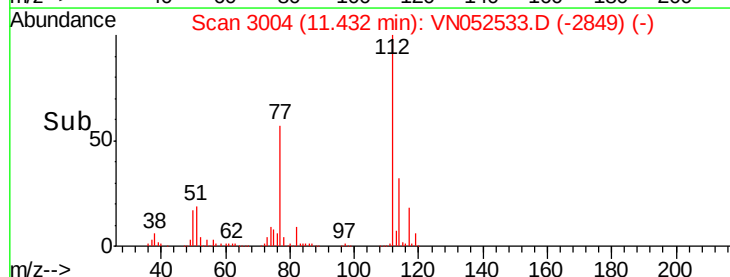
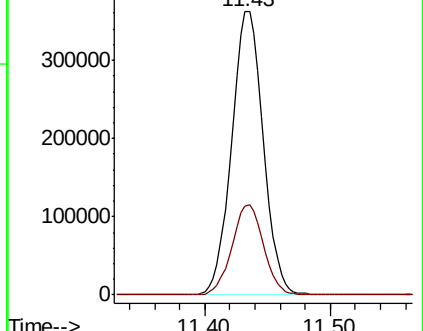
112 100

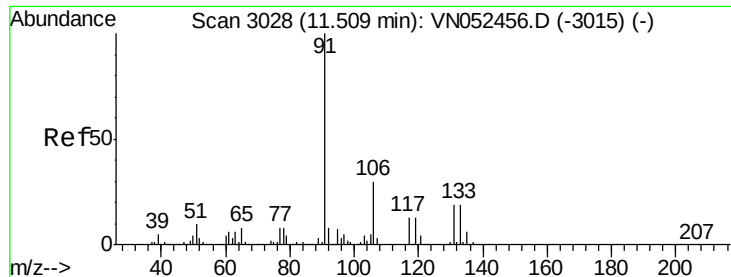
114 31.6 25.6 38.4



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: 19.617 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

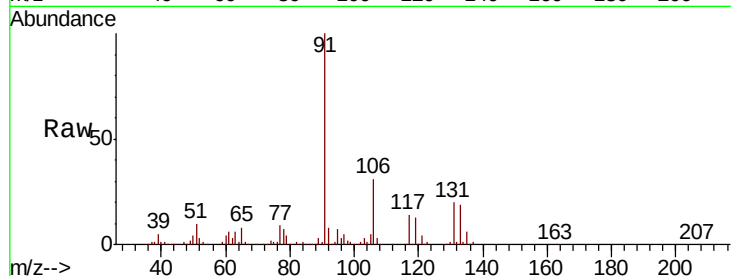
Tot Ion:131 Resp: 220102

Ion Ratio Lower Upper

131 100

133 95.3 0.0 193.4

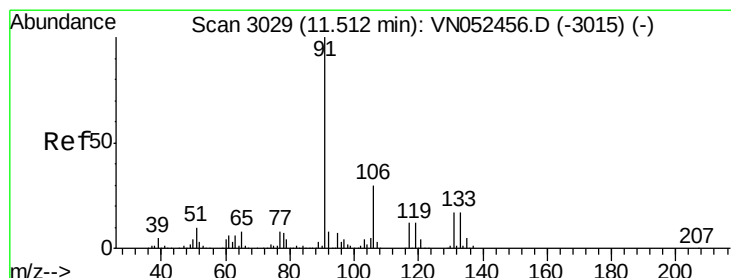
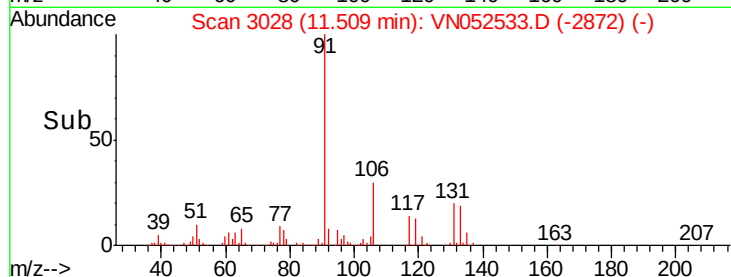
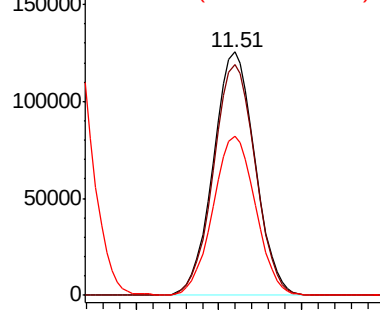
119 66.6 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.308 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052533.D

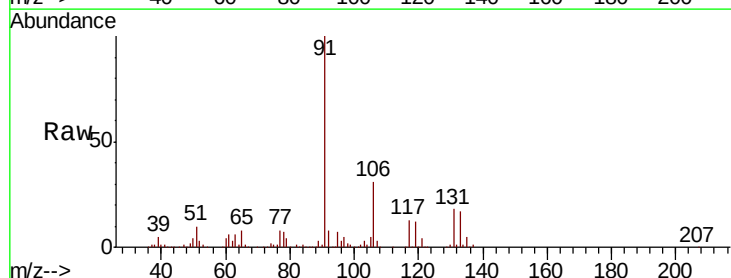
Acq: 28 Nov 2018 21:41

Tgt Ion: 91 Resp: 1102060

Ion Ratio Lower Upper

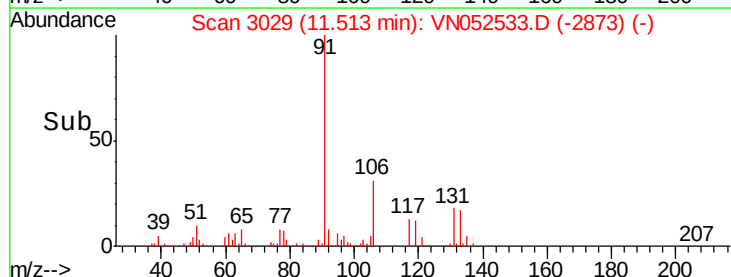
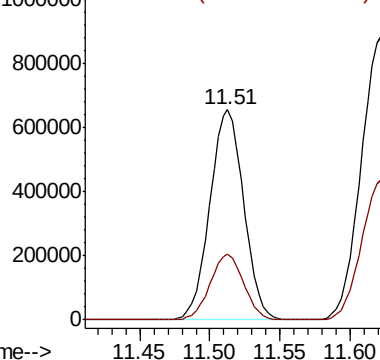
91 100

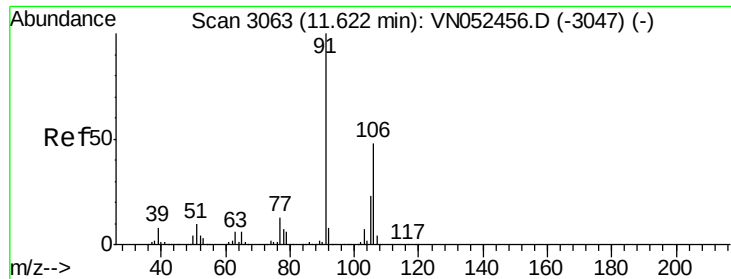
106 31.2 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

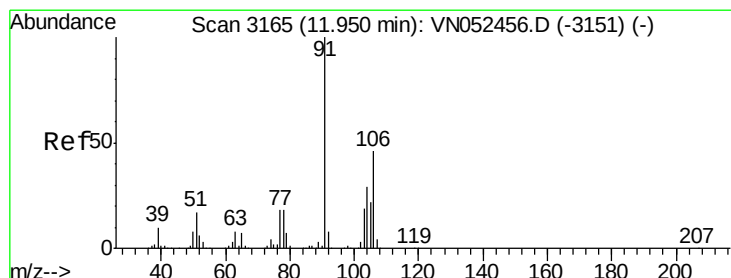
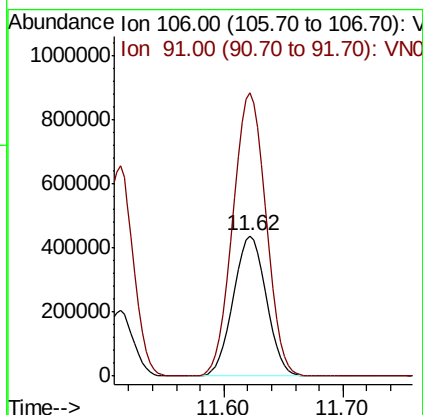
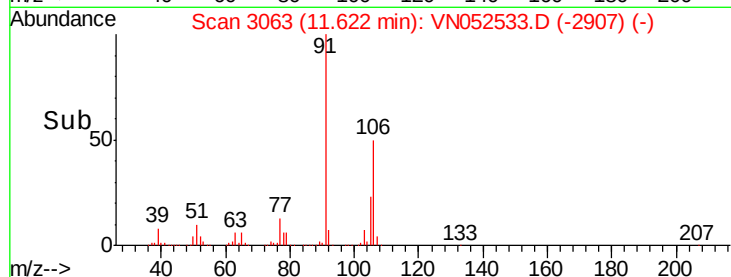
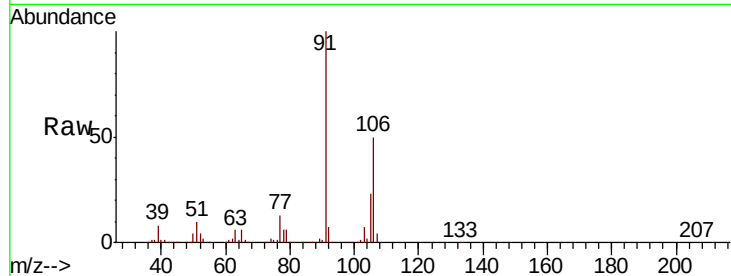




#67
m/p-Xylenes
Concen: 39.473 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

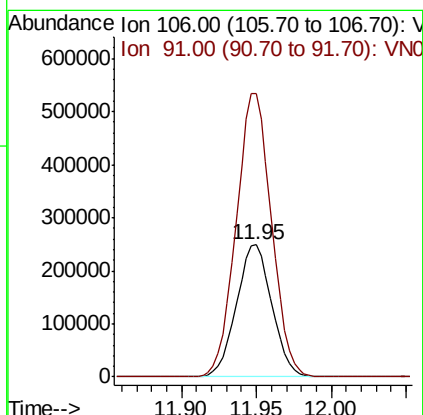
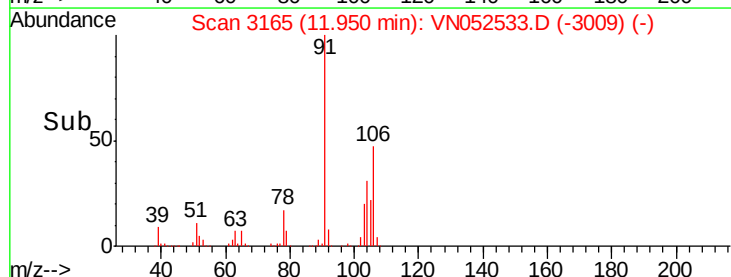
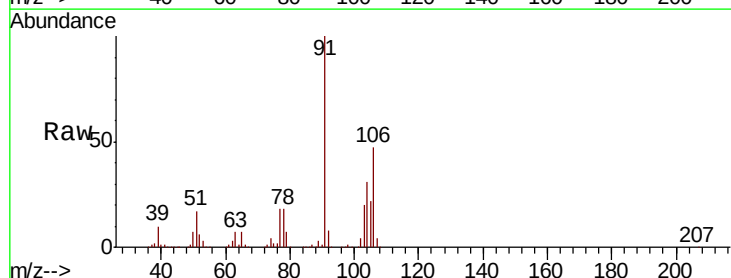
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

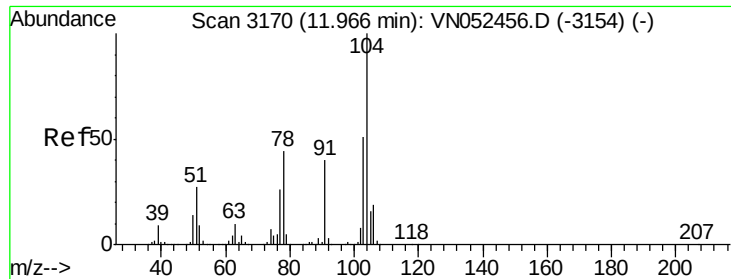
Tot Ion:106 Resp: 839375
Ion Ratio Lower Upper
106 100
91 202.7 163.9 245.9



#68
o-Xylene
Concen: 19.868 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion:106 Resp: 410065
Ion Ratio Lower Upper
106 100
91 213.7 107.8 323.4

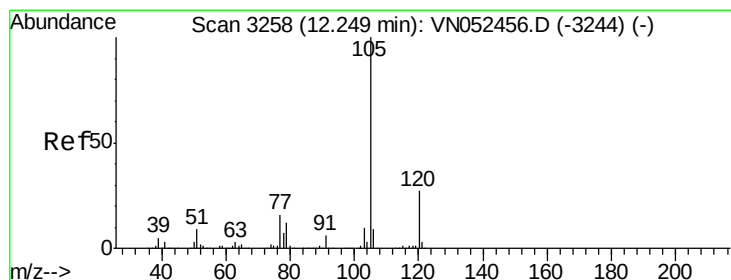
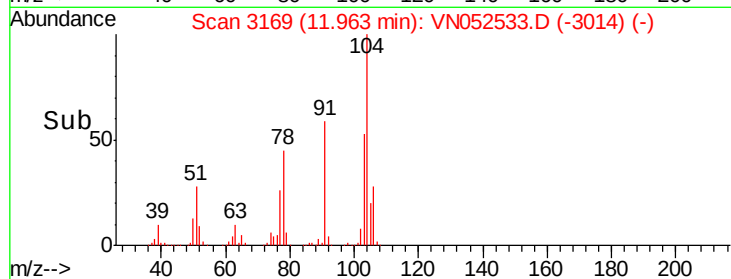
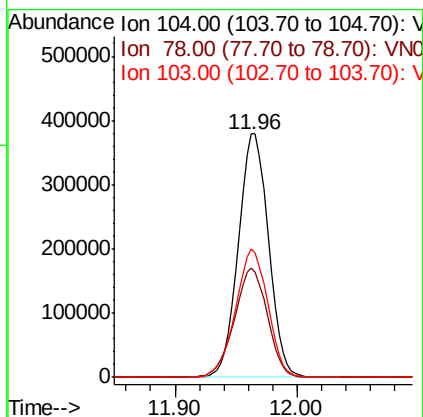
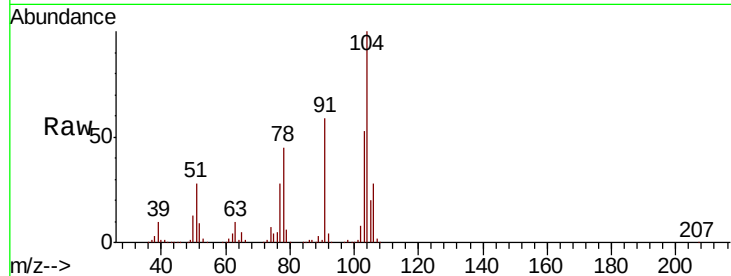




#69
Stvrene
Concen: 19.424 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

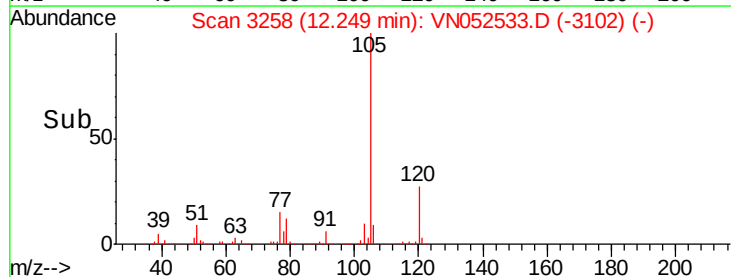
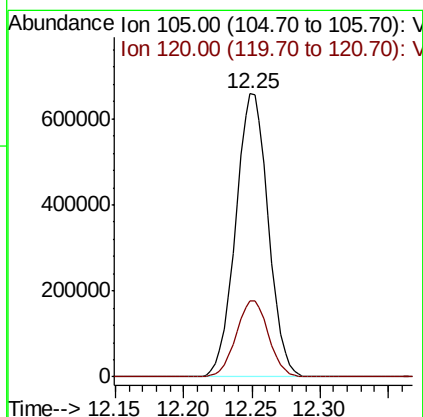
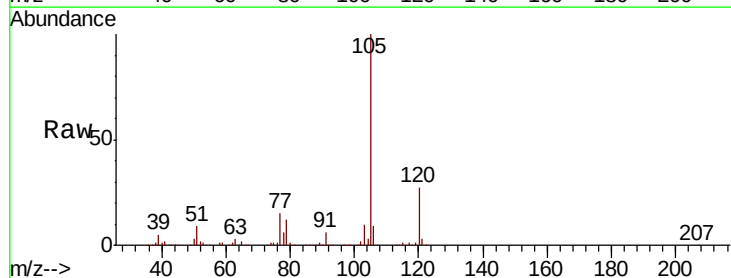
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

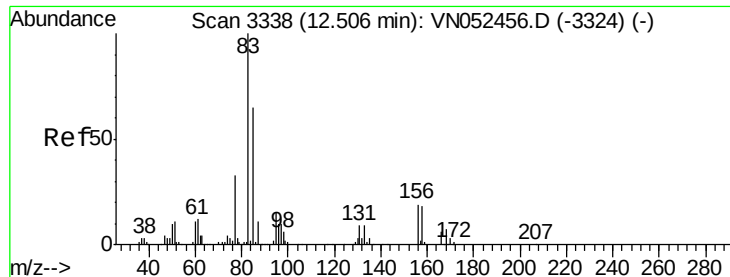
Tot Ion:104 Resp: 647071
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 56.3 44.6 66.8



#70
Isopropylbenzene
Concen: 19.797 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion:105 Resp: 1087126
Ion Ratio Lower Upper
105 100
120 26.7 18.6 34.6

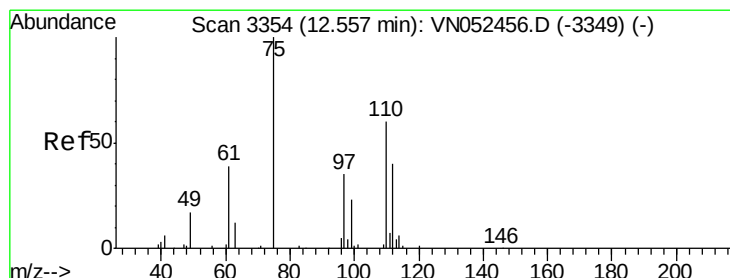
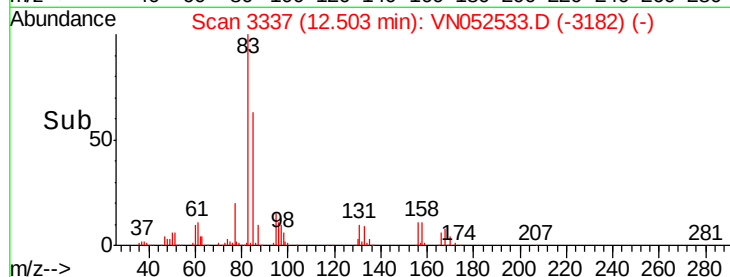
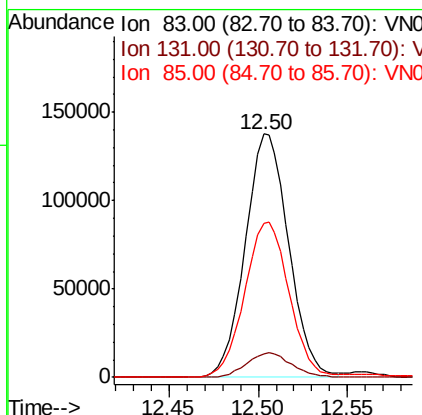
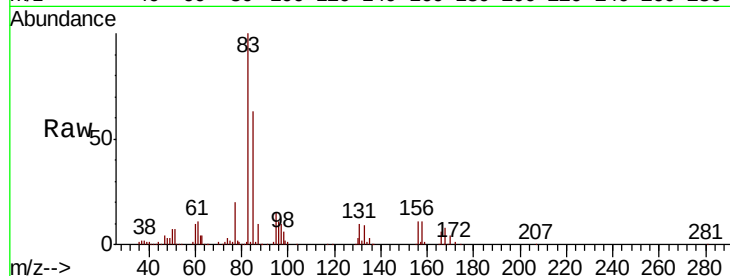




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.652 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

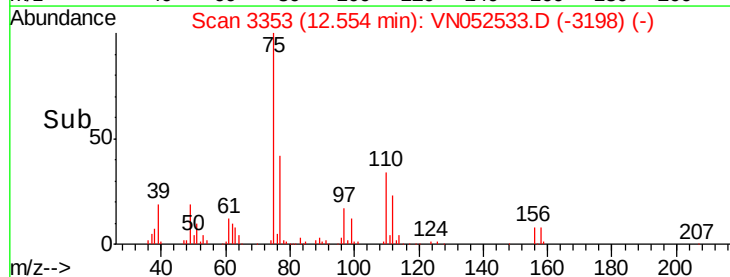
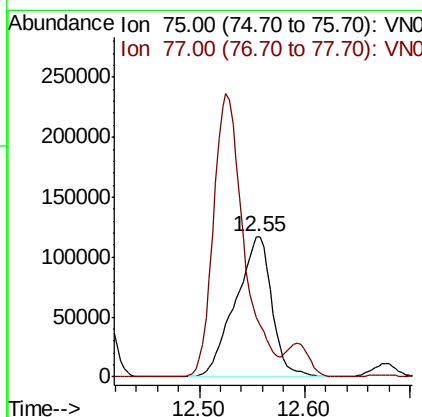
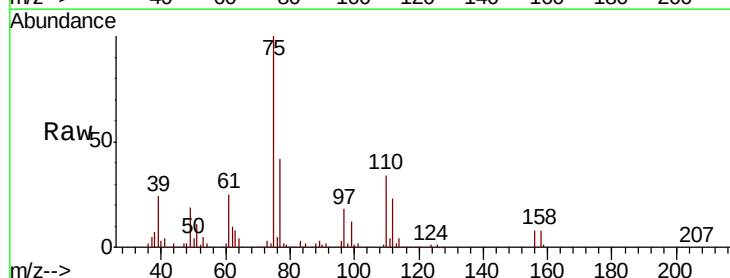
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

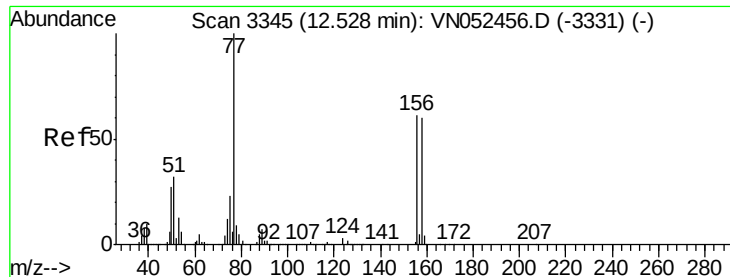
Tot Ion	83	Resp	234759
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.6
85	64.9	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 27.405 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	75	Resp	281018
Ion Ratio	Lower	Upper	
75	100		
77	169.5	0.0	514.8





#73

Bromobenzene

Concen: 19.825 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

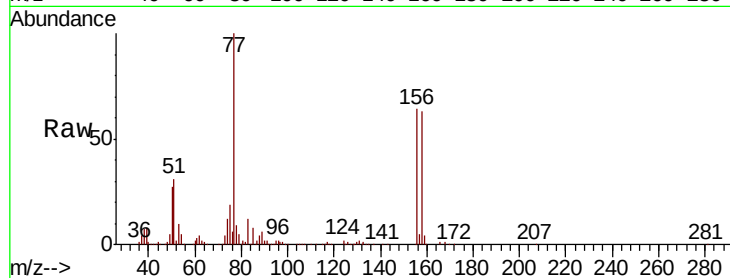
Tot Ion:156 Resp: 263306

Ion Ratio Lower Upper

156 100

77 180.9 0.0 382.6

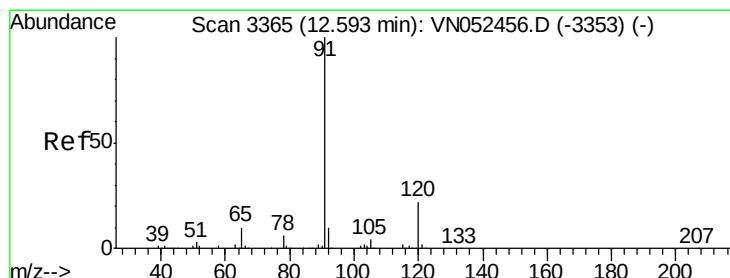
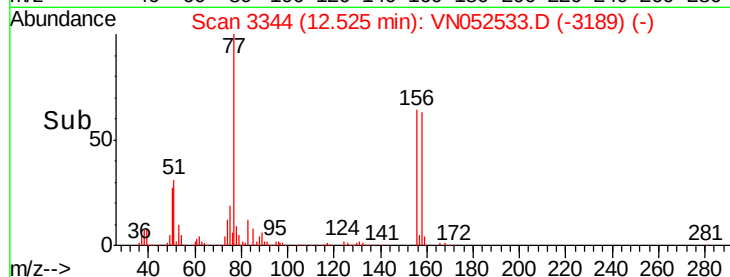
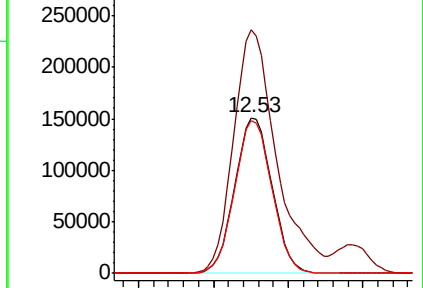
158 97.7 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.872 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052533.D

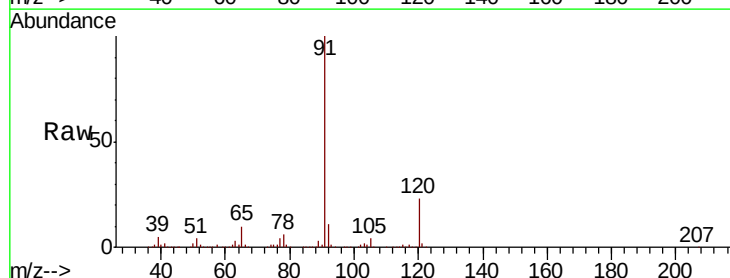
Acq: 28 Nov 2018 21:41

Tgt Ion: 91 Resp: 1207489

Ion Ratio Lower Upper

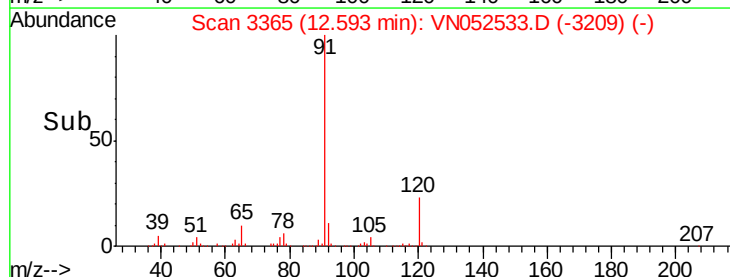
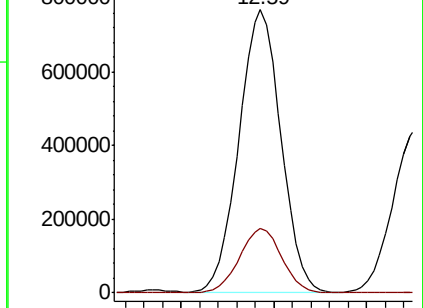
91 100

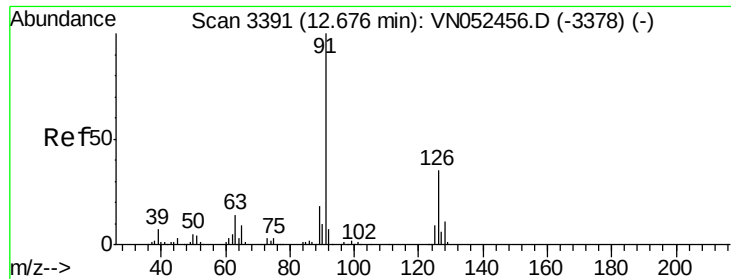
120 22.8 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.419 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

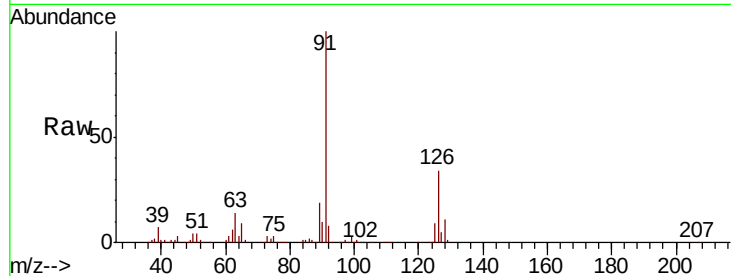
VSTDCCC020

Tot Ion: 91 Resp: 721197

Ion Ratio Lower Upper

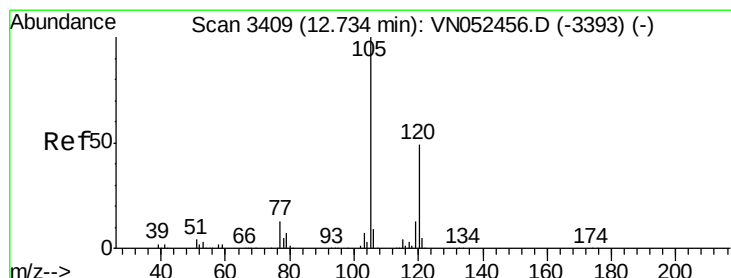
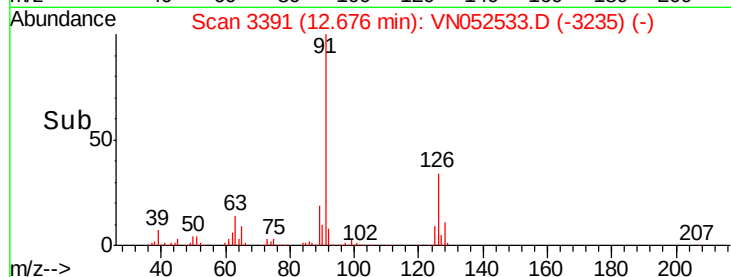
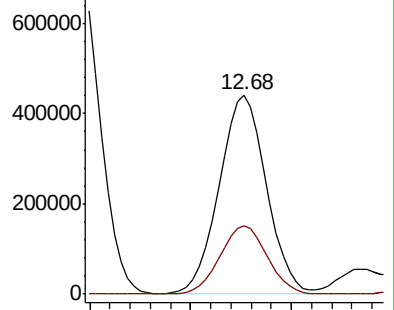
91 100

126 34.6 0.0 68.4



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

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



#76

1,3,5-Trimethylbenzene

Concen: 19.600 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052533.D

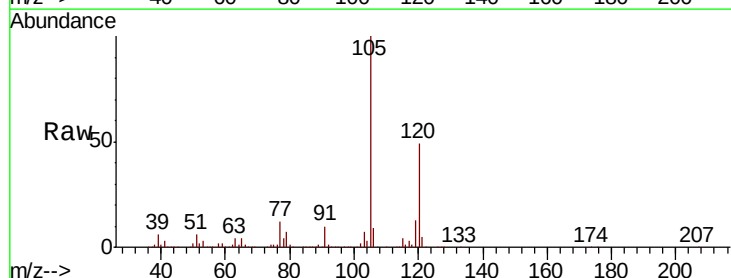
Acq: 28 Nov 2018 21:41

Tgt Ion: 105 Resp: 869355

Ion Ratio Lower Upper

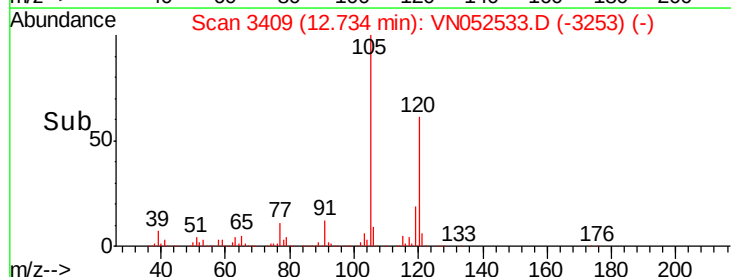
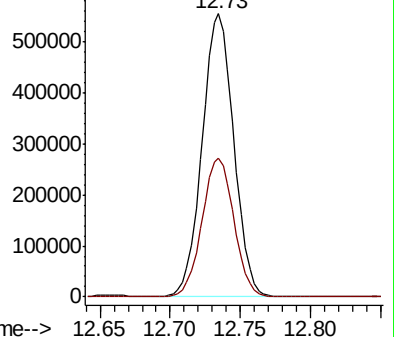
105 100

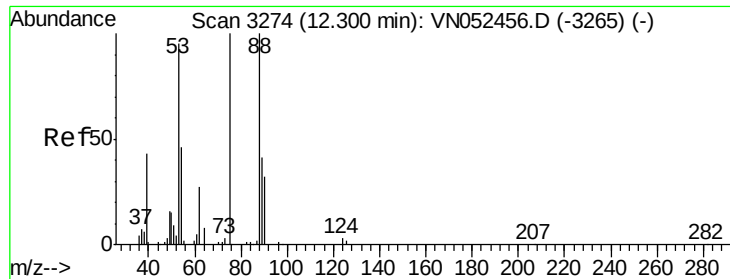
120 49.5 0.0 97.4



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

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

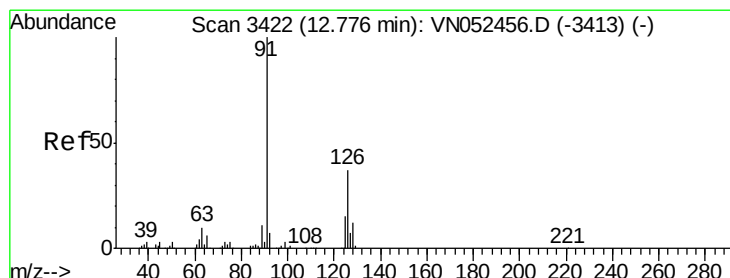
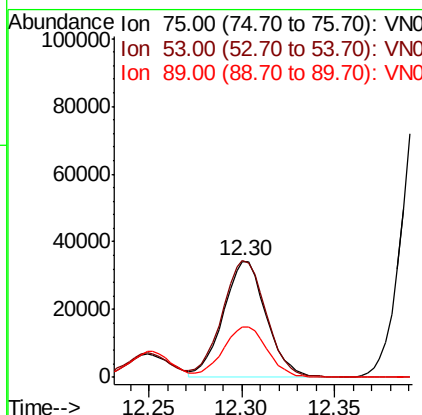
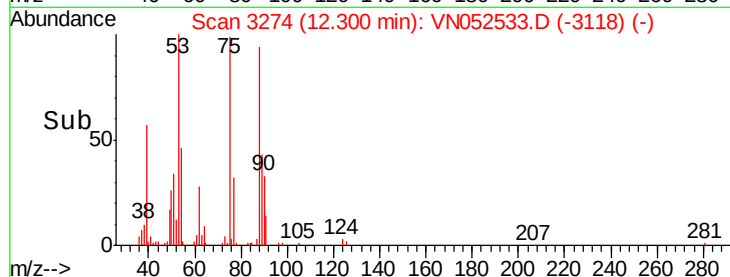
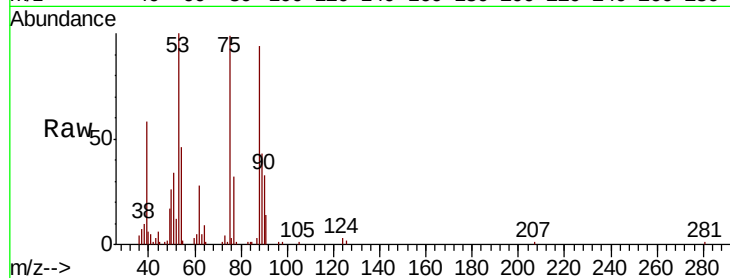




#77
t-1,4-Dichloro-2-butene
Concen: 17.028 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

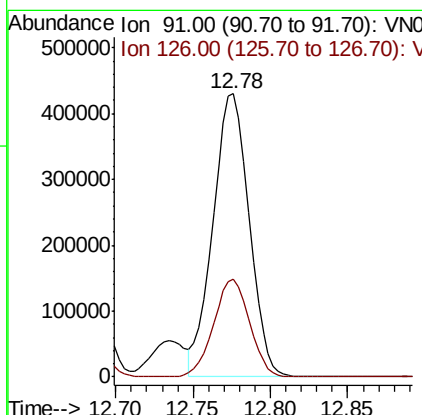
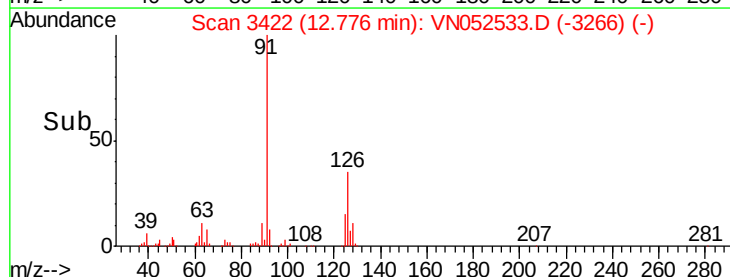
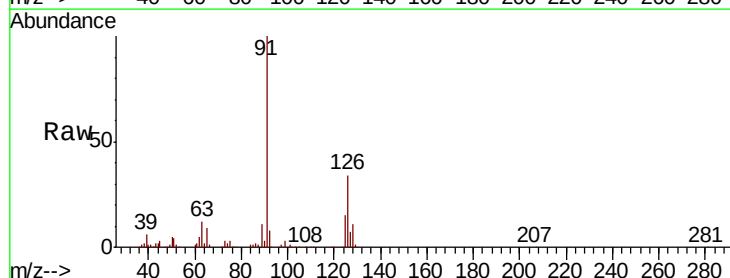
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

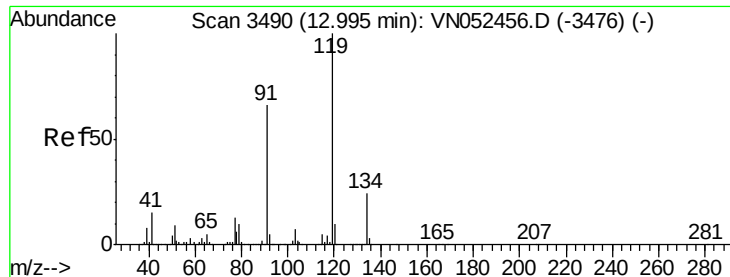
Tot Ion: 75 Resp: 55158
Ion Ratio Lower Upper
75 100
53 100.7 48.5 145.6
89 43.3 21.7 65.1



#78
4-Chlorotoluene
Concen: 18.870 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion: 91 Resp: 699828
Ion Ratio Lower Upper
91 100
126 34.3 0.0 68.2





#79

tert-butylbenzene

Concen: 19.946 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

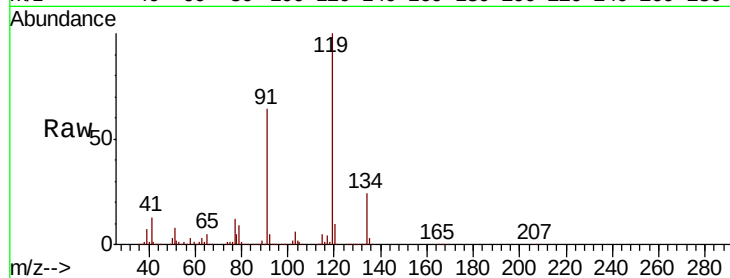
Tot Ion:119 Resp: 770469

Ion Ratio Lower Upper

119 100

91 62.9 0.0 129.8

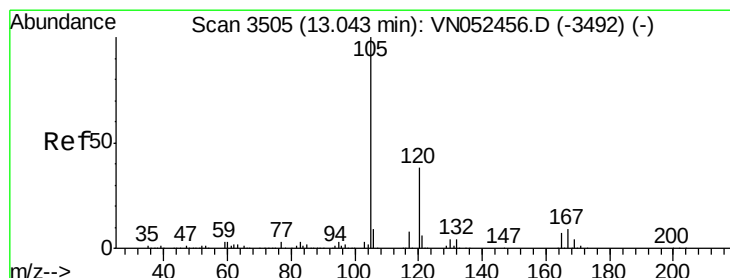
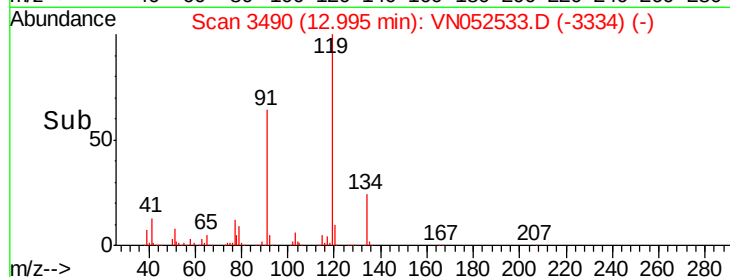
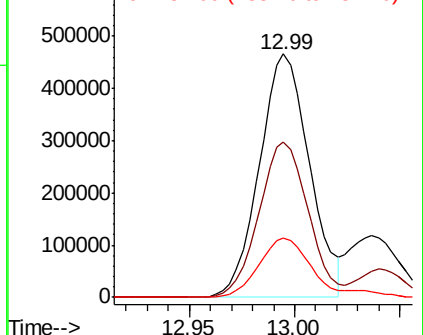
134 24.6 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.767 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052533.D

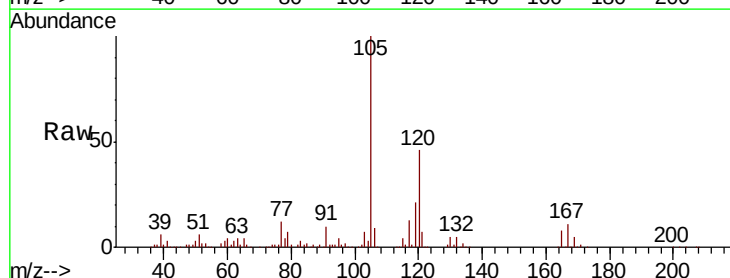
Acq: 28 Nov 2018 21:41

Tgt Ion:105 Resp: 877312

Ion Ratio Lower Upper

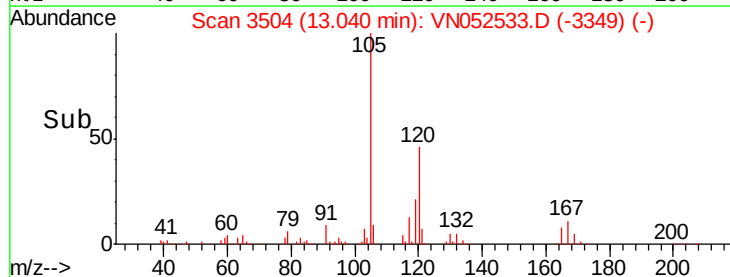
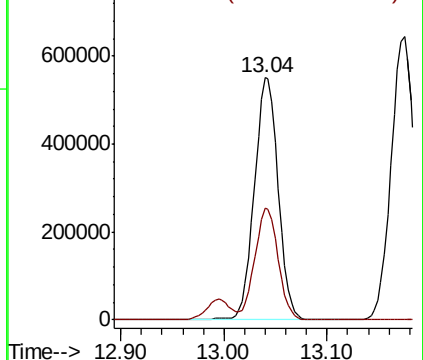
105 100

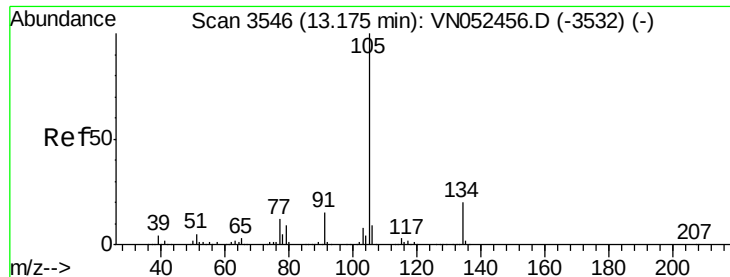
120 45.3 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

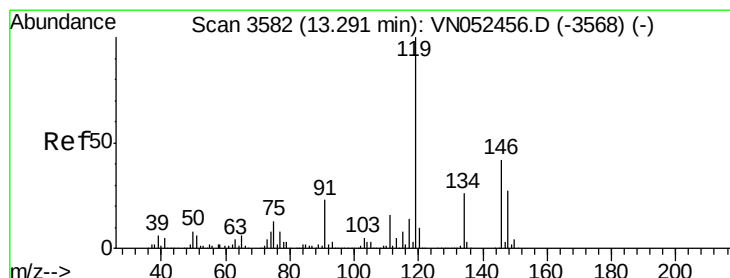
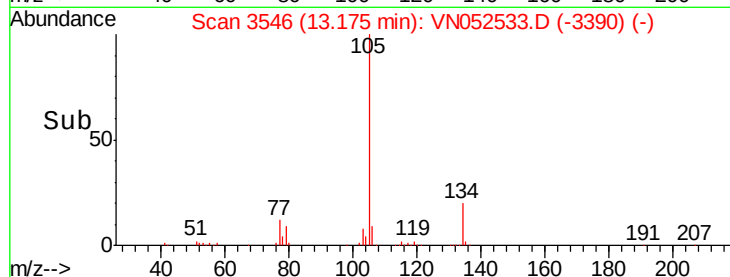
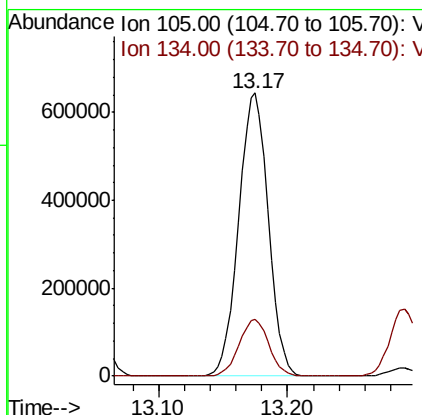
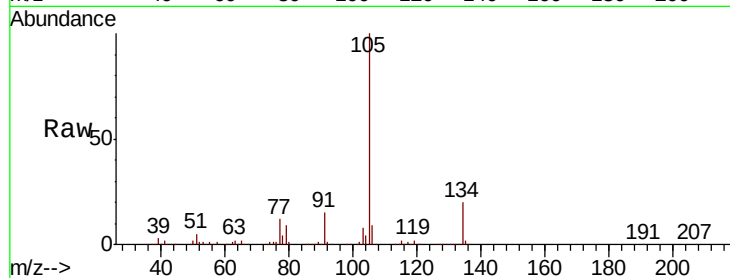




#81
 sec-Butylbenzene
 Concen: 19.069 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

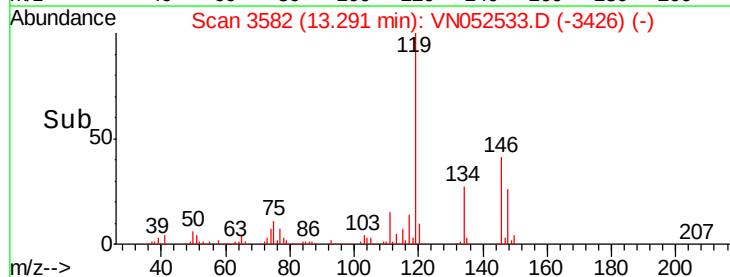
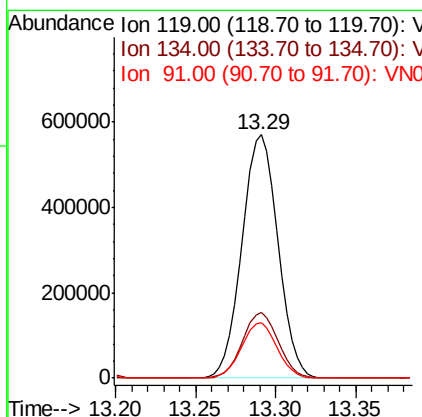
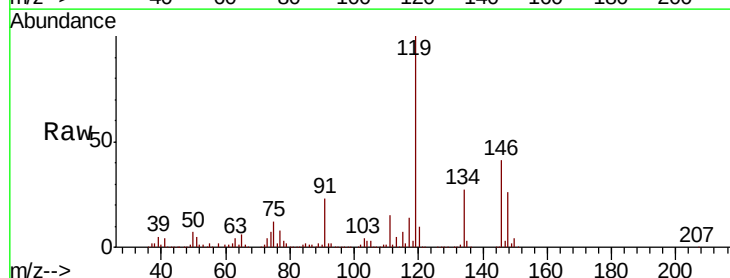
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

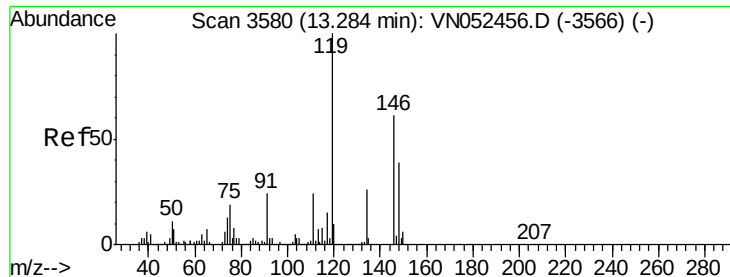
Tot Ion:105 Resp: 1025966
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 19.023 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion:119 Resp: 871512
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 52.6
 91 22.4 0.0 46.2





#83

1,3-Dichlorobenzene

Concen: 19.331 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

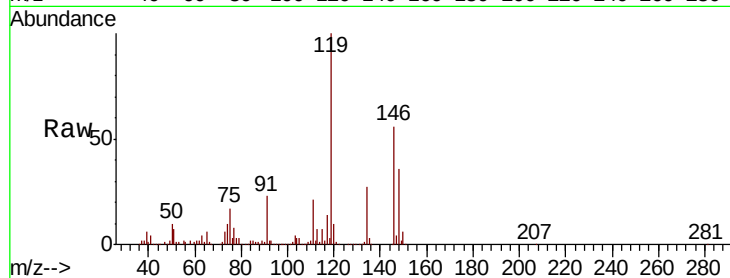
Tot Ion:146 Resp: 451538

Ion Ratio Lower Upper

146 100

111 38.0 19.7 59.0

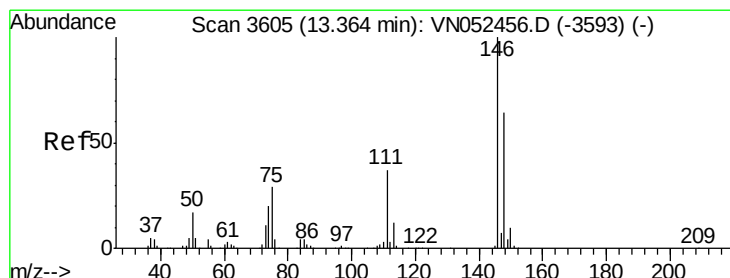
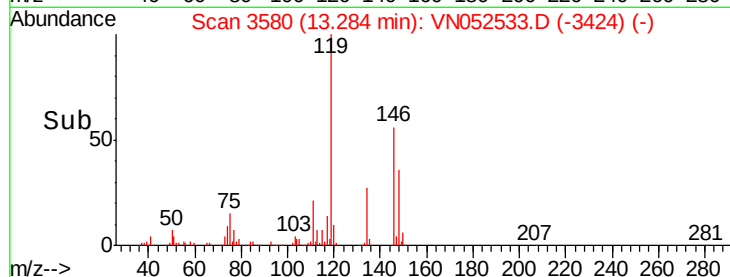
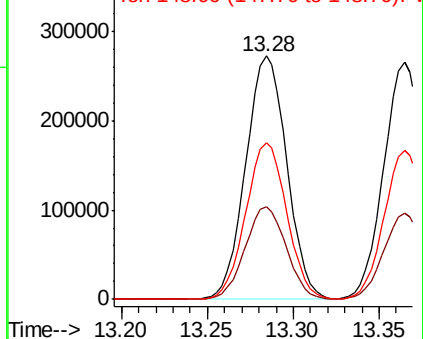
148 64.1 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 19.404 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

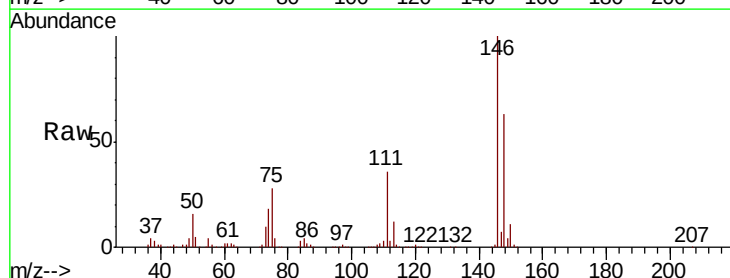
Tgt Ion:146 Resp: 437923

Ion Ratio Lower Upper

146 100

111 36.3 18.8 56.3

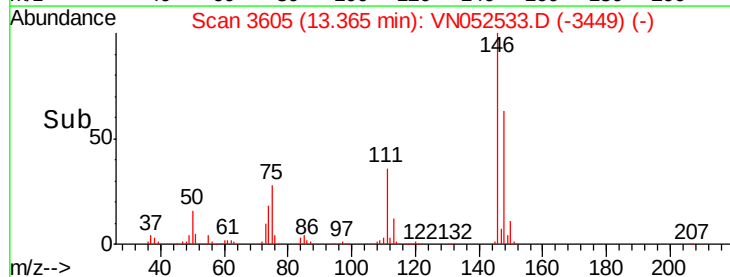
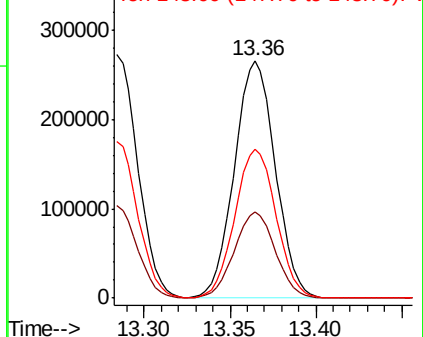
148 63.5 32.5 97.4

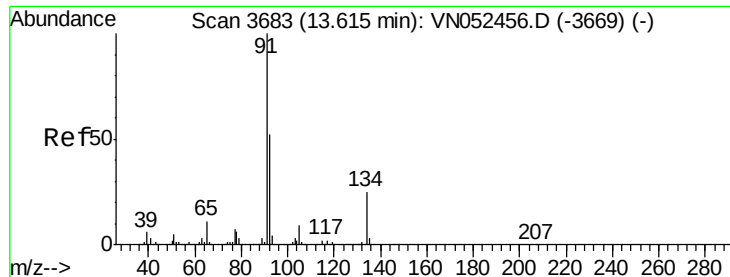


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 17.833 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052533.D

Acq: 28 Nov 2018 21:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

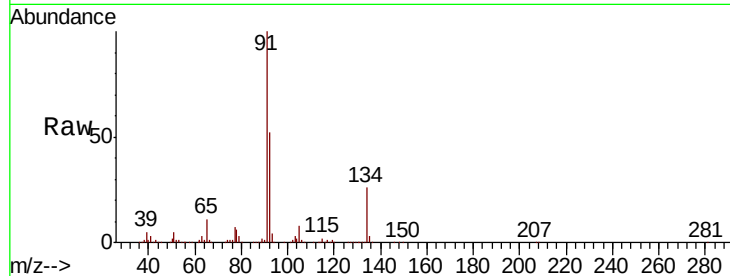
Tot Ion: 91 Resp: 701785

Ion Ratio Lower Upper

91 100

92 52.1 0.0 104.2

134 26.1 0.0 50.6

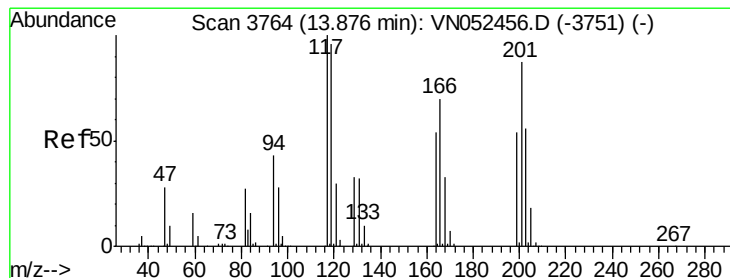
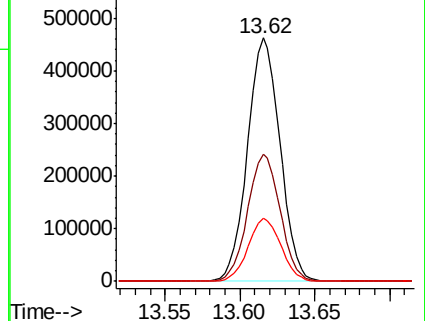
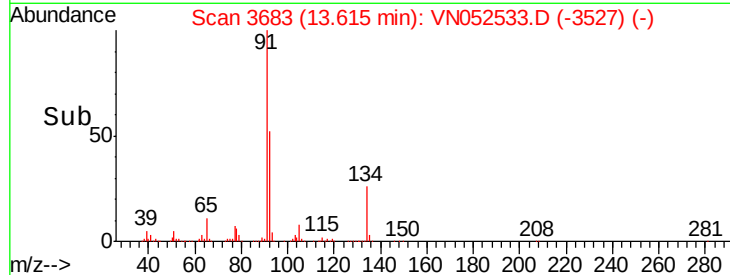


Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3669) (-)

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

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

13.62



#86

Hexachloroethane

Concen: 17.985 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052533.D

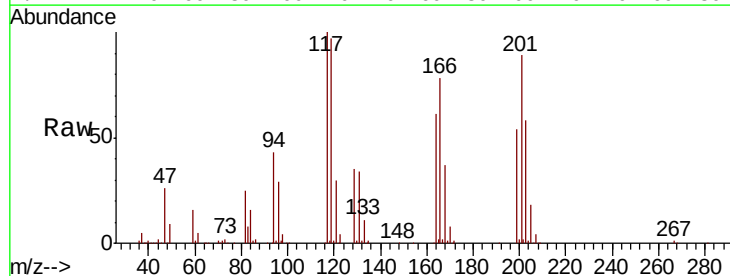
Acq: 28 Nov 2018 21:41

Tgt Ion: 117 Resp: 139610

Ion Ratio Lower Upper

117 100

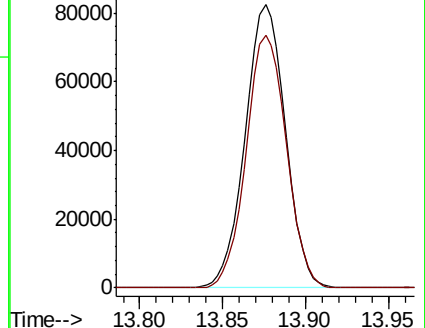
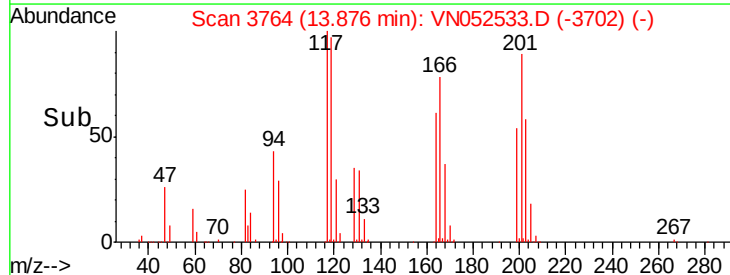
201 89.3 43.8 131.3

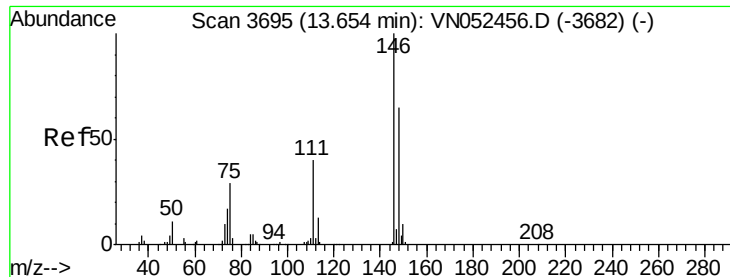


Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-3751) (-)

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

13.88

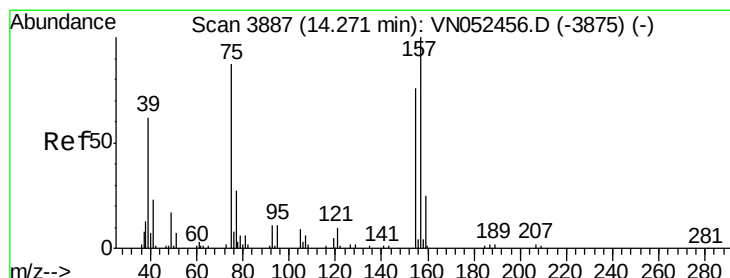
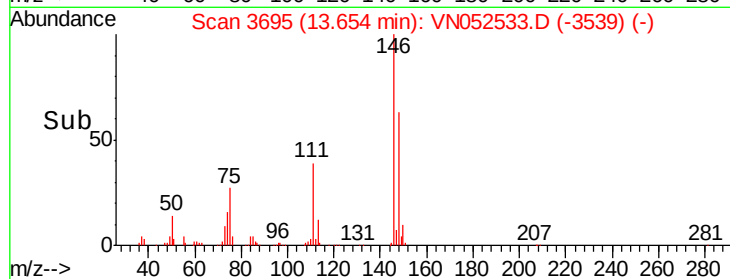
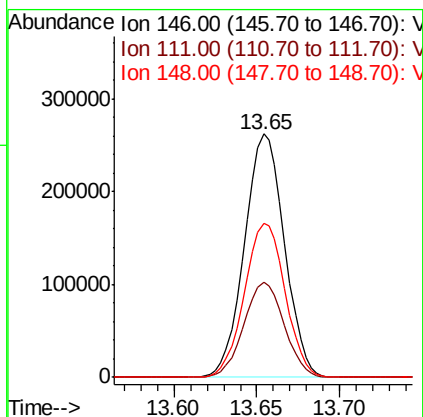
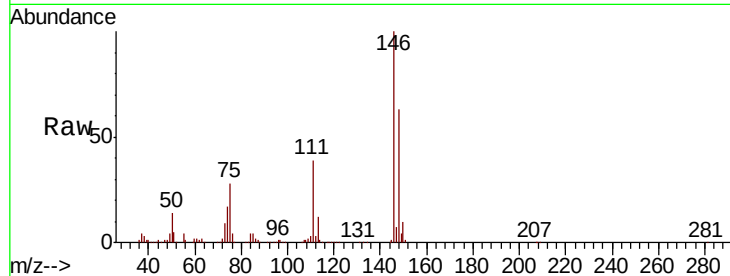




#87
 1,2-Dichlorobenzene
 Concen: 19.753 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

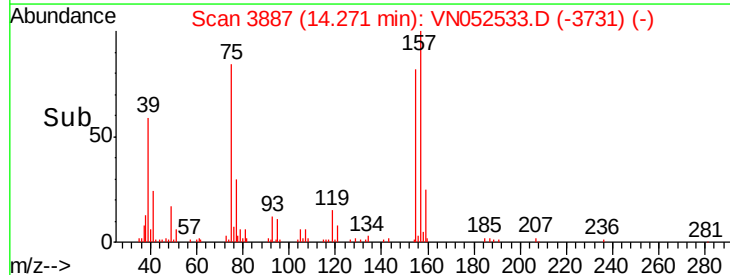
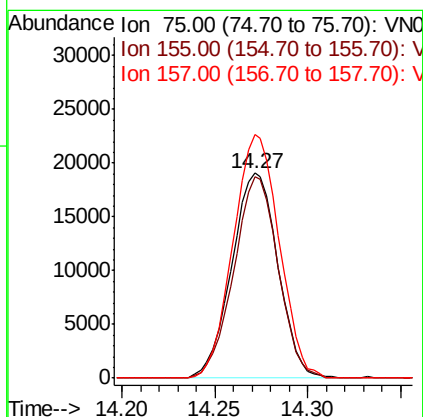
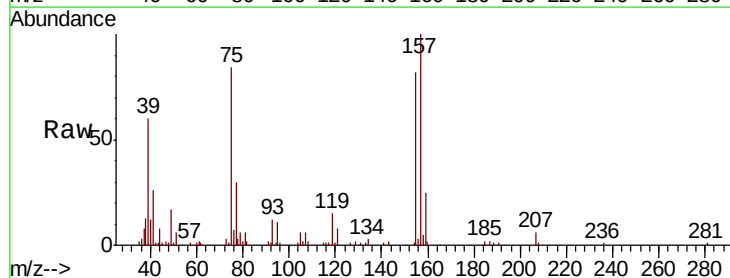
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

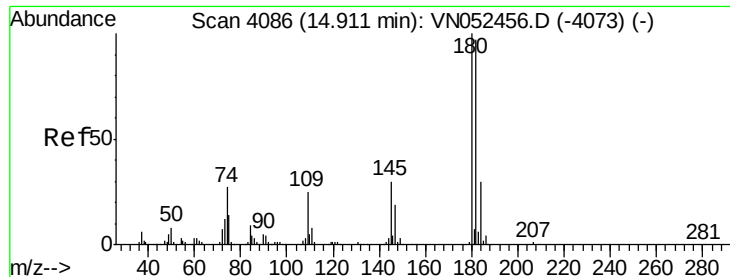
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.3	60.8
148	64.5	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.626 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	72.2	108.2
157	118.7	94.2	141.2

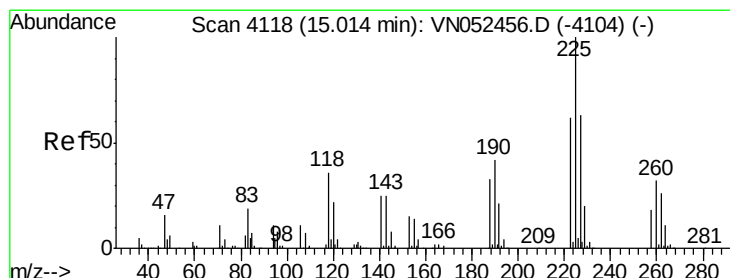
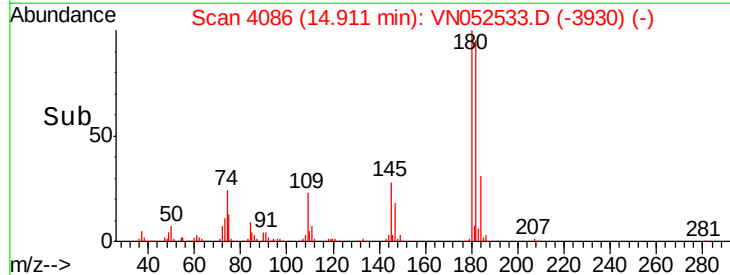
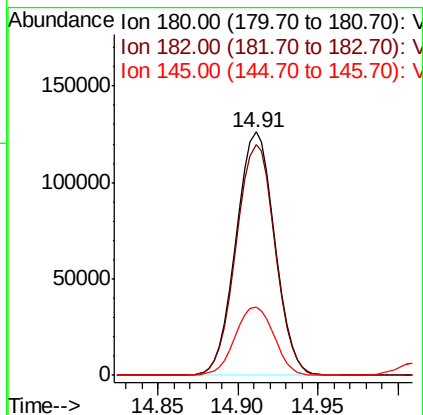
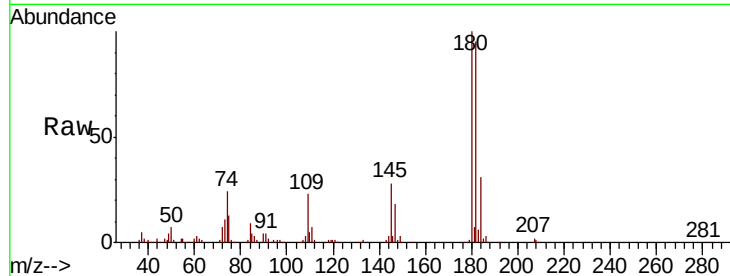




#89
 1,2,4-Trichlorobenzene
 Concen: 18.945 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

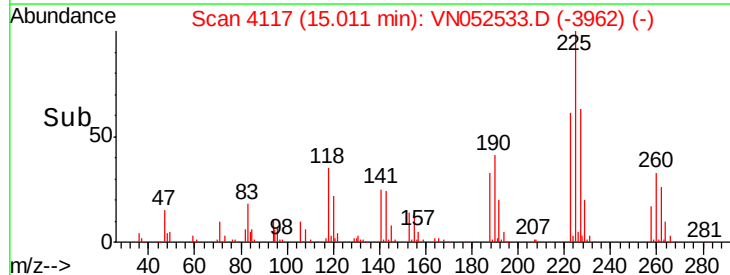
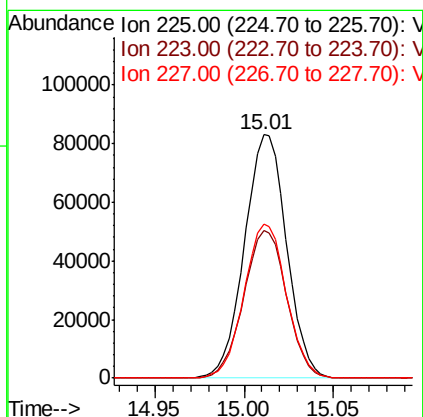
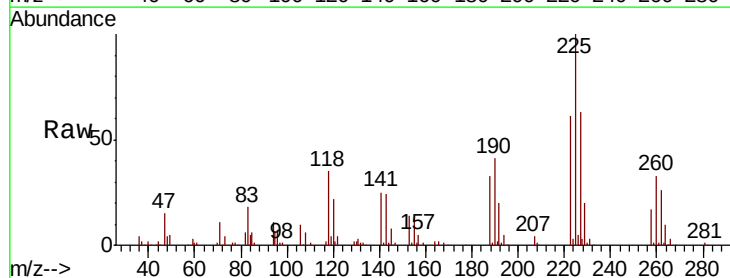
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

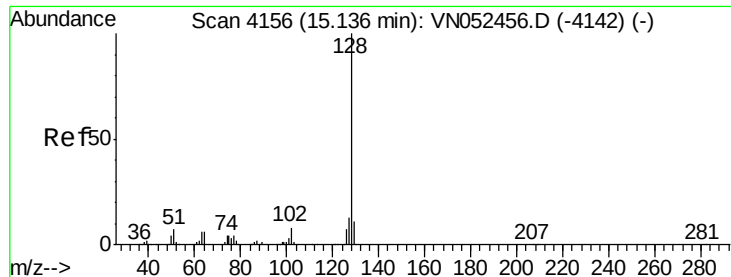
Tot Ion:180 Resp: 207475
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.6 114.8
 145 28.4 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 19.084 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052533.D
 Acq: 28 Nov 2018 21:41

Tgt Ion:225 Resp: 137103
 Ion Ratio Lower Upper
 225 100
 223 61.5 0.0 125.6
 227 63.5 0.0 127.8

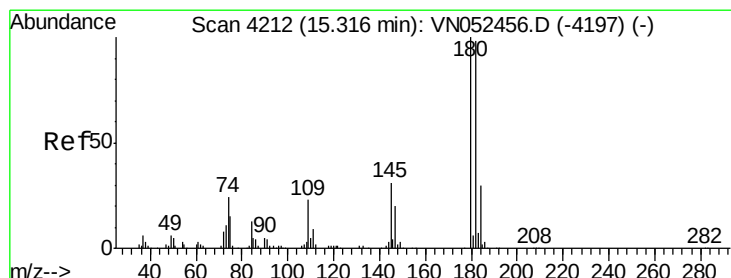
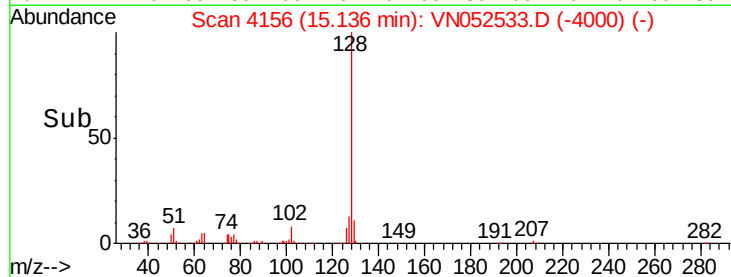
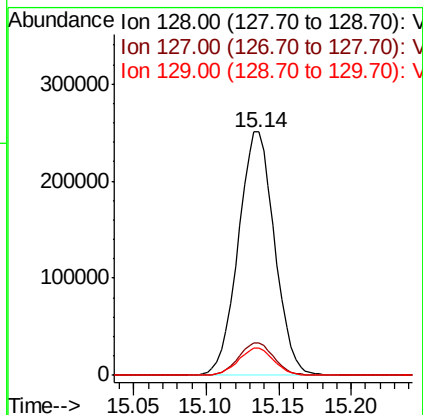
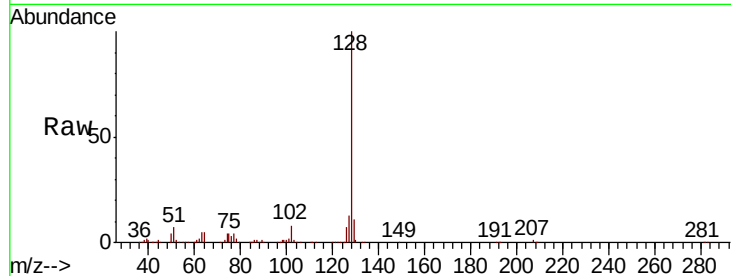




#91
Naphthalene
Concen: 19.692 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:128 Resp: 435499
Ion Ratio Lower Upper
128 100
127 13.0 9.9 14.9
129 10.9 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 19.354 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052533.D
Acq: 28 Nov 2018 21:41

Tgt Ion:180 Resp: 195327
Ion Ratio Lower Upper
180 100
182 94.9 0.0 196.2
145 30.4 0.0 62.2

