

Data File : VN052456.D
Acq On : 26 Nov 2018 13:20
Operator : MD\SY
Sample : VSTDICCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Nov 27 00:34:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:15:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	172229	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1000035	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	874149	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	352883	30.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.23%
60) 4-Bromofluorobenzene	12.40	95	399868	29.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.67%
63) Toluene-d8	10.09	98	1230565	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	202577	20.652	ug/l 100
3) Chloromethane	2.06	50	261742	20.120	ug/l 100
4) Vinyl Chloride	2.19	62	263818	20.093	ug/l 100
5) Bromomethane	2.58	94	148229	19.800	ug/l 100
6) Chloroethane	2.71	64	158533	20.304	ug/l 100
7) Trichlorofluoromethane	3.02	101	323702	19.977	ug/l 100
8) Diethyl Ether	3.41	74	116577	19.484	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	212328	20.670	ug/l 100
10) 1,1-Dichloroethene	3.74	96	191895	19.869	ug/l 100
11) Methyl Iodide	3.96	142	258663	19.289	ug/l 100
12) Methyl Acetate	4.33	43	165356	20.150	ug/l 100
13) Acrolein	3.61	56	89242	92.579	ug/l 100
14) Acrylonitrile	4.99	53	359199	102.730	ug/l 100
15) Acetone	3.82	58	98535	108.815	ug/l 100
16) Carbon Disulfide	4.06	76	607954	19.882	ug/l 100
17) Allyl chloride	4.33	41	339449	20.153	ug/l 100
18) Methylene Chloride	4.55	84	222270	19.876	ug/l 100
19) trans-1,2-Dichloroethene	5.05	96	205729	19.793	ug/l 100
20) Diisopropyl ether	5.95	45	712977	20.143	ug/l 100
21) 1,1-Dichloroethane	5.85	63	401438	19.898	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	239058	20.068	ug/l 100
23) tert-Butyl Alcohol	4.78	59	53376	102.618	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	507166	20.017	ug/l 100
25) Chloroform	7.37	83	389159	19.995	ug/l 100
26) Cyclohexane	7.65	56	383362	20.148	ug/l 100
29) 1,1-Dichloropropene	7.79	75	305518	20.006	ug/l 100
30) 2-Butanone	6.84	43	418889	102.508	ug/l 100
31) 2,2-Dichloropropane	6.83	77	274780	19.544	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	313353	19.720	ug/l 100
33) Carbon Tetrachloride	7.77	117	275465	19.812	ug/l 100
34) Benzene	8.04	78	920024	20.038	ug/l 100
35) Methacrylonitrile	7.17	41	102483	14.531	ug/l 100
36) 1,2-Dichloroethane	8.12	62	277346	19.934	ug/l 100
37) Trichloroethene	8.84	130	230525	19.800	ug/l 100
38) Methylcyclohexane	9.08	83	383258	20.273	ug/l 100
39) 1,2-Dichloropropane	9.12	63	245069	19.912	ug/l 100
40) Dibromomethane	9.21	93	132859	19.976	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	288403	19.627	ug/l	100
42) Vinyl Acetate	5.90	43	2180413	98.616	ug/l	100
43) Ethyl Acetate	6.93	43	179326	9.865	ug/l #	73
44) Isopropyl Acetate	8.16	43	298442	19.584	ug/l	100
45) 1,4-Dioxane	9.20	88	34152	409.647	ug/l	100
46) Methyl methacrylate	9.20	41	155582	19.663	ug/l	100
47) n-amyl Acetate	12.07	43	238123	18.846	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	269135	18.889	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	339039	19.531	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	191943	20.359	ug/l	100
51) Ethyl methacrylate	10.43	69	227194	19.187	ug/l	100
52) 1,3-Dichloropropane	10.71	76	337016	20.083	ug/l	100
53) Dibromochloromethane	10.90	129	205862	19.833	ug/l	100
54) 1,2-Dibromoethane	11.01	107	182486	19.808	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	700257	101.032	ug/l	100
56) Bromoform	12.13	173	131980	19.453	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	875252	103.279	ug/l	100
59) 2-Hexanone	10.75	43	601610	103.920	ug/l	100
61) Tetrachloroethene	10.63	164	221218	20.547	ug/l	100
62) Toluene	10.16	91	976075	20.255	ug/l	100
64) Chlorobenzene	11.44	112	587610	19.978	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	201288	19.716	ug/l	100
66) Ethyl Benzene	11.51	91	1041645	20.056	ug/l	100
67) m/p-Xylenes	11.62	106	784477	40.543	ug/l	100
68) o-Xylene	11.95	106	376998	20.074	ug/l	100
69) Styrene	11.97	104	608624	20.078	ug/l	100
70) Isopropylbenzene	12.25	105	1006467	20.142	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	222989	20.515	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	273671	30.150	ug/l	49
73) Bromobenzene	12.53	156	239800	19.842	ug/l	100
74) n-propylbenzene	12.59	91	1181733	20.297	ug/l	100
75) 2-Chlorotoluene	12.68	91	685561	20.286	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	821831	20.362	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	55777	18.923	ug/l	100
78) 4-Chlorotoluene	12.78	91	679943	20.148	ug/l	100
79) tert-butylbenzene	12.99	119	715863	20.366	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	827858	20.499	ug/l	100
81) sec-Butylbenzene	13.17	105	993926	20.302	ug/l	100
82) p-Isopropyltoluene	13.29	119	839978	20.149	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	424097	19.953	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	409391	19.935	ug/l	100
85) n-Butylbenzene	13.62	91	717772	20.044	ug/l	100
86) Hexachloroethane	13.88	117	139575	19.760	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	410102	20.275	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29882	19.626	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	192201	19.287	ug/l	100
90) Hexachlorobutadiene	15.01	225	140006	21.417	ug/l	100
91) Naphthalene	15.14	128	387928	19.277	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	179755	19.574	ug/l	100

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

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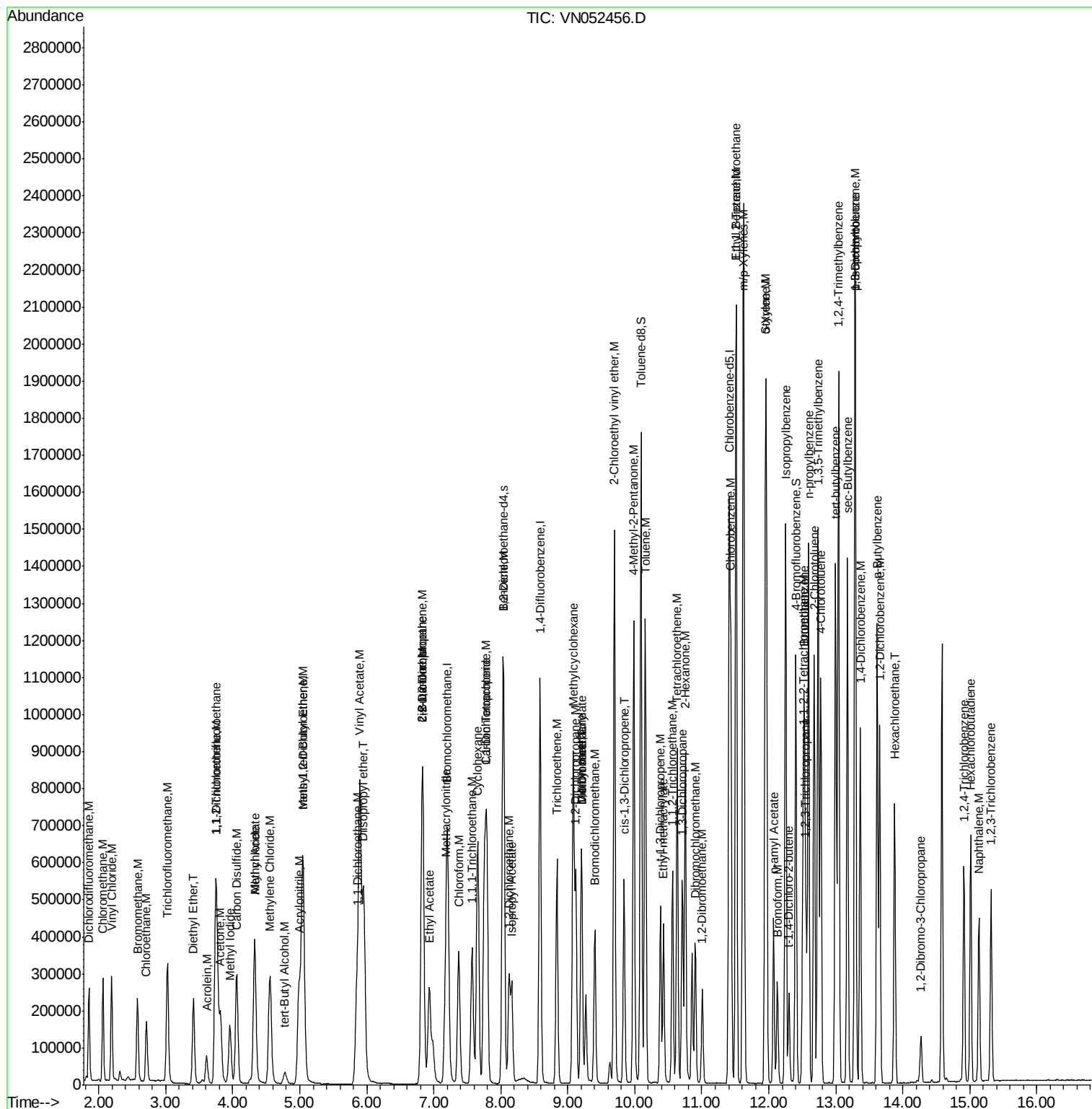
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

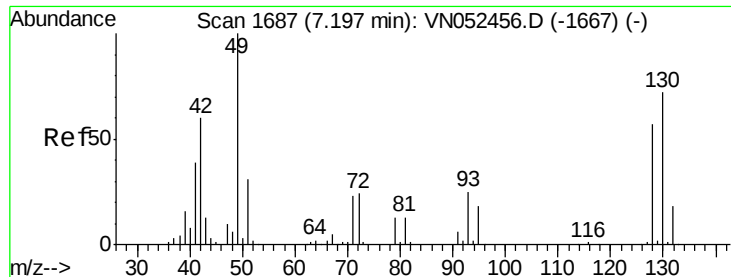
Quant Time: Nov 27 00:34:38 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Nov 27 00:34:38 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

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VSTDICCC020

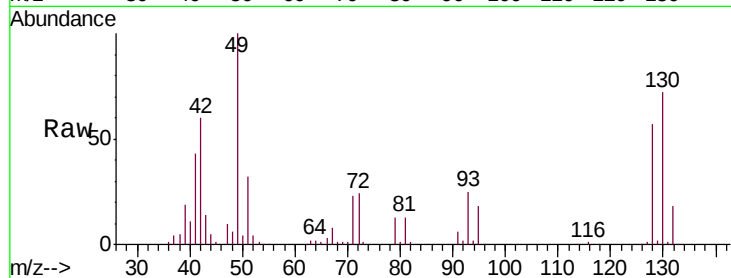
Tgt Ion:128 Resp: 172229

Ion Ratio Lower Upper

128 100

49 172.7 0.0 431.8

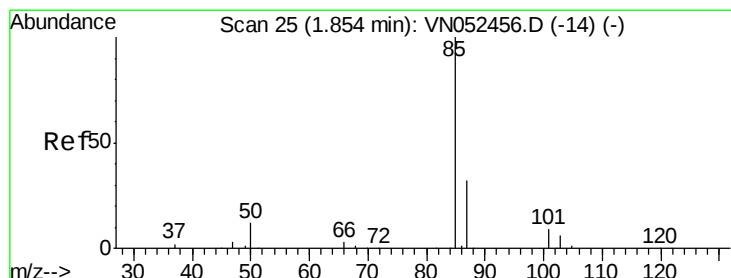
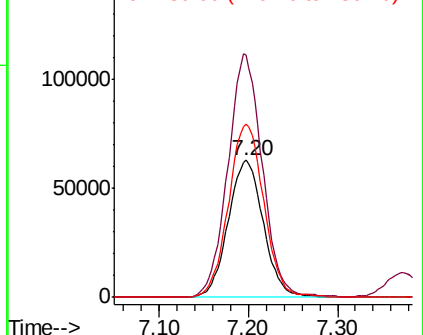
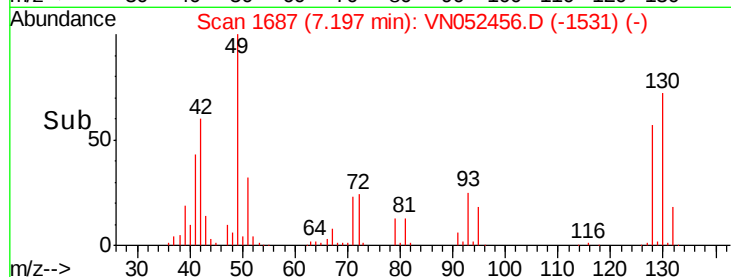
130 126.8 0.0 317.0



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: 20.652 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052456.D

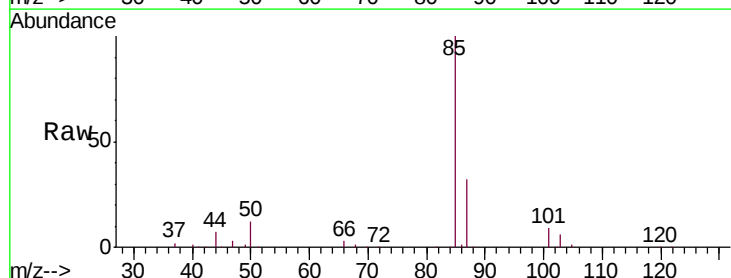
Acq: 26 Nov 2018 13:20

Tgt Ion: 85 Resp: 202577

Ion Ratio Lower Upper

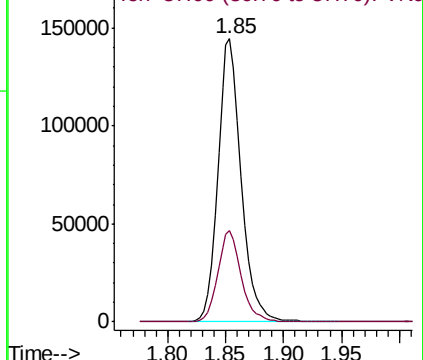
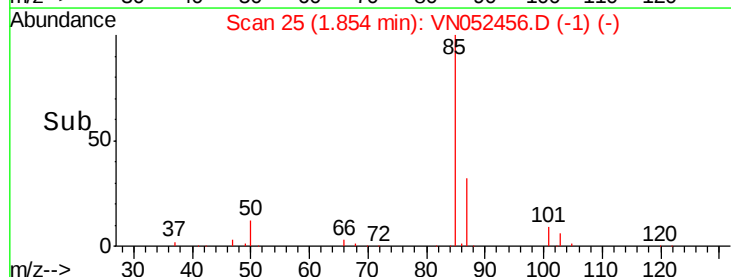
85 100

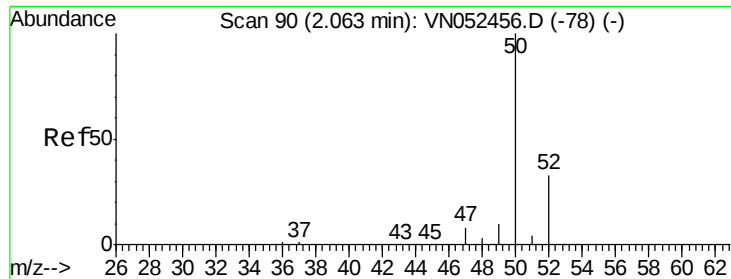
87 32.2 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.120 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

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ClientSampleId :

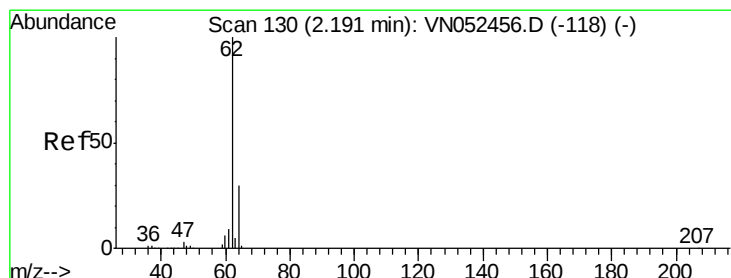
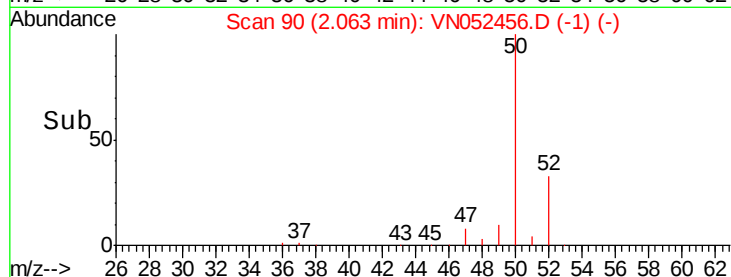
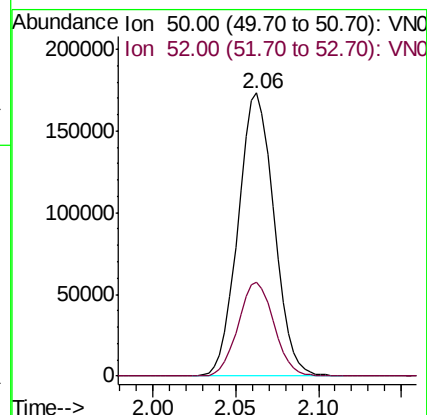
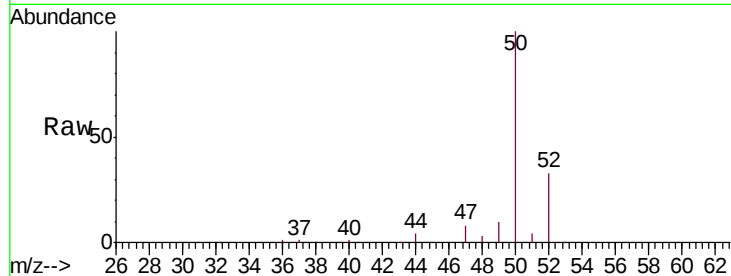
VSTDICCC020

Tgt Ion: 50 Resp: 261742

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



#4

Vinyl Chloride

Concen: 20.093 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052456.D

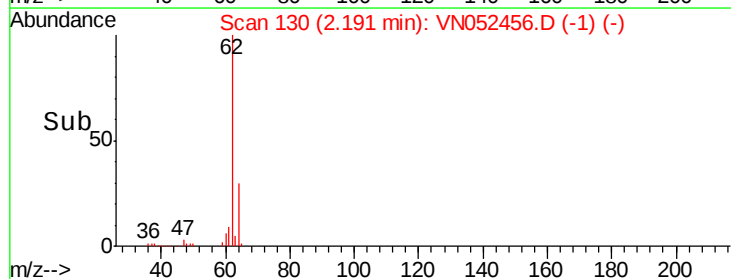
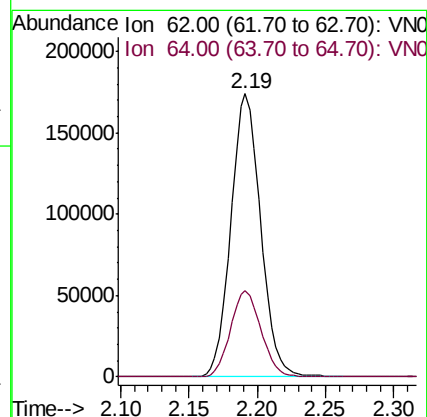
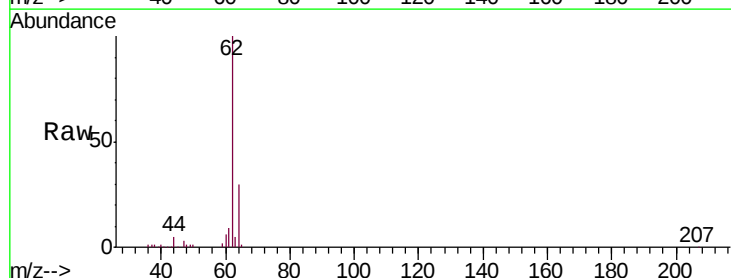
Acq: 26 Nov 2018 13:20

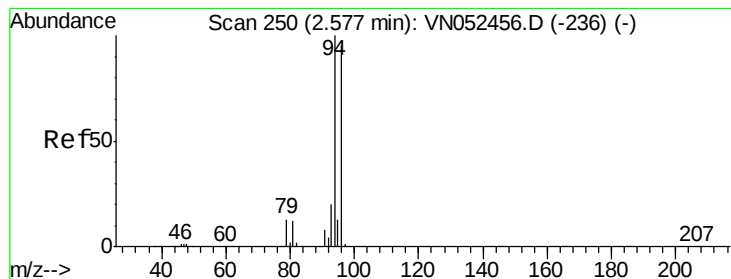
Tgt Ion: 62 Resp: 263818

Ion Ratio Lower Upper

62 100

64 30.3 24.2 36.4





#5

Bromomethane

Concen: 19.800 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

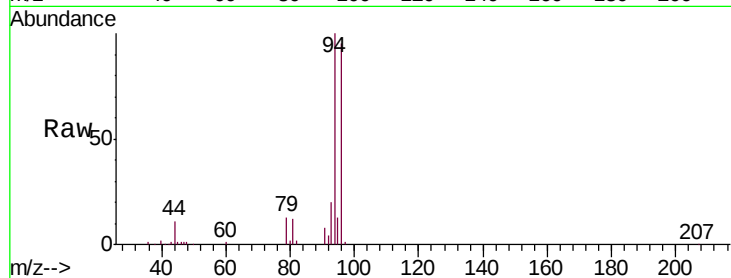
VSTDICCC020

Tgt Ion: 94 Resp: 148229

Ion Ratio Lower Upper

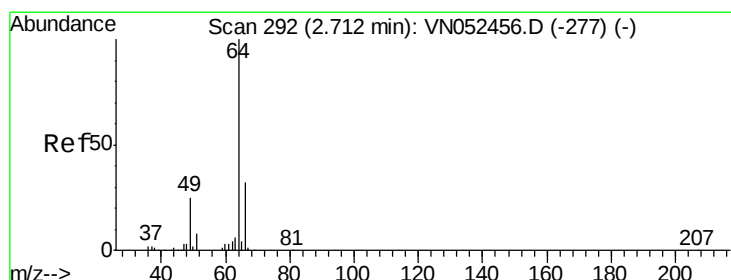
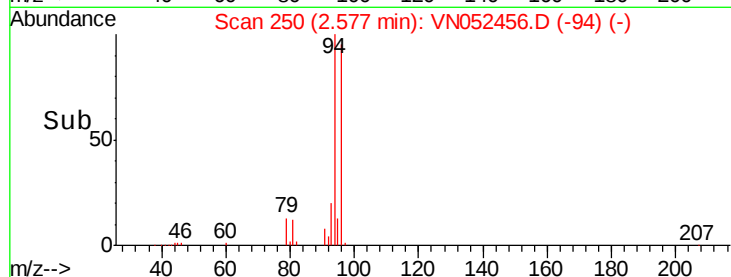
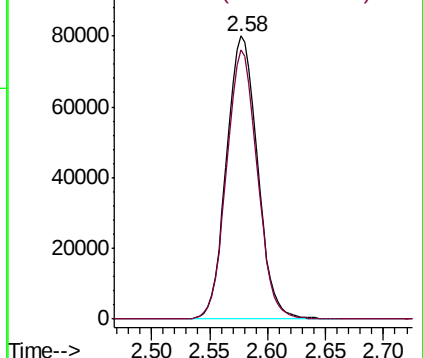
94 100

96 95.2 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.304 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052456.D

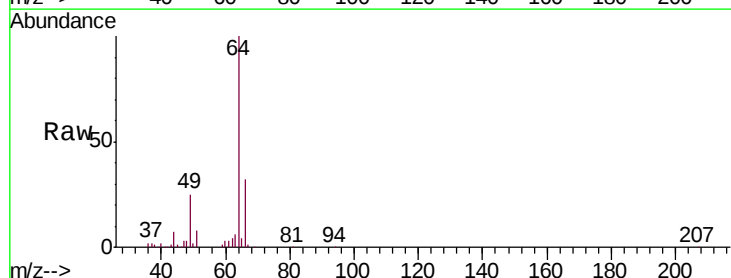
Acq: 26 Nov 2018 13:20

Tgt Ion: 64 Resp: 158533

Ion Ratio Lower Upper

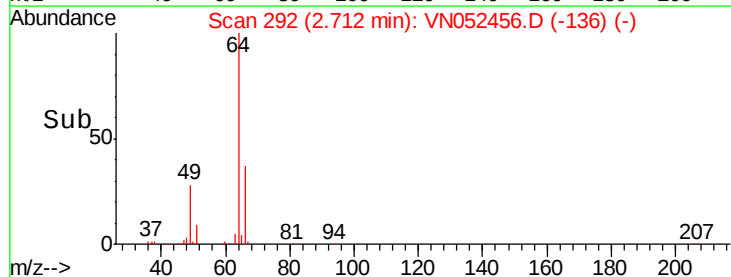
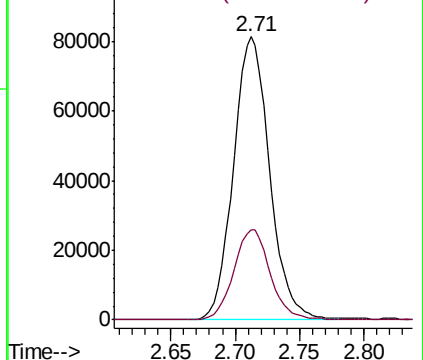
64 100

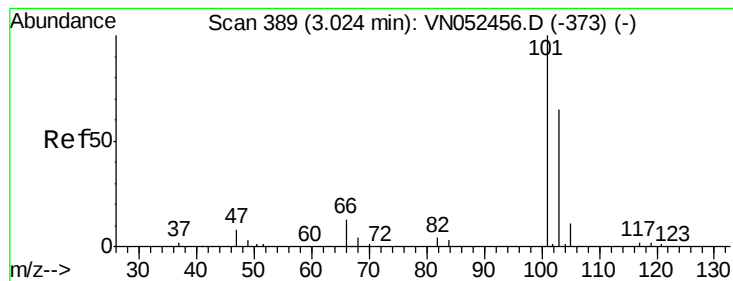
66 32.0 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



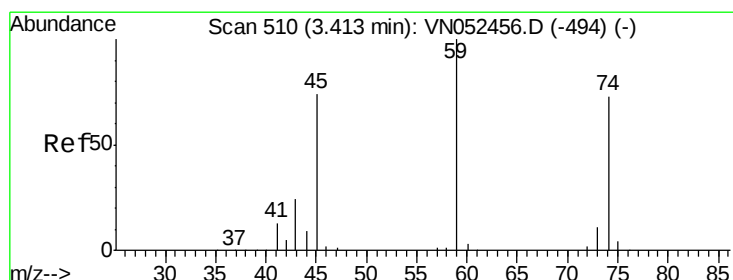
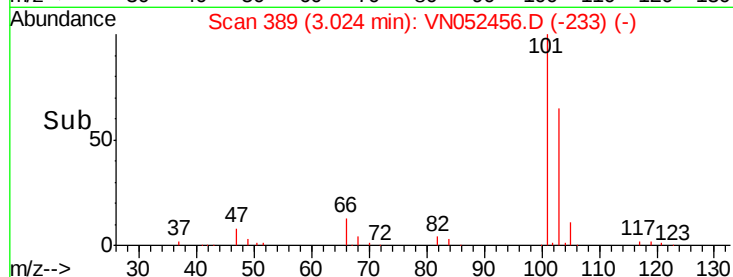
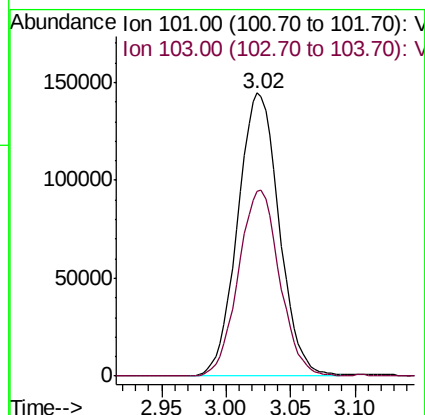
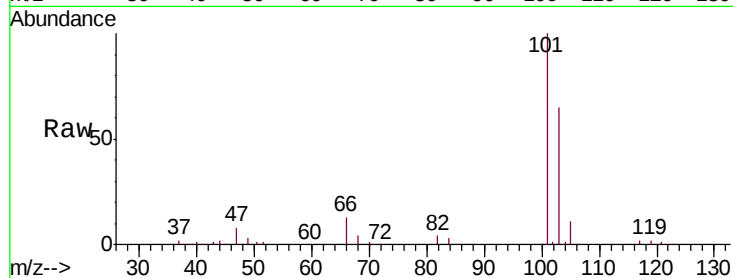


#7

Trichlorofluoromethane
 Concen: 19.977 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

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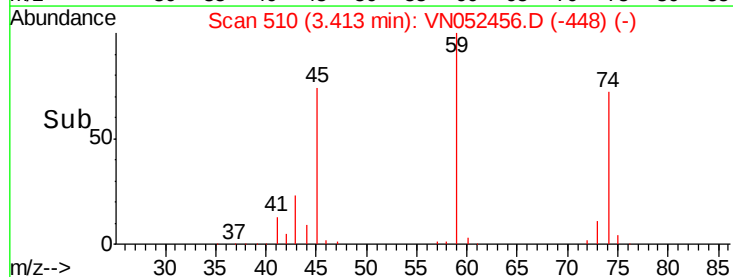
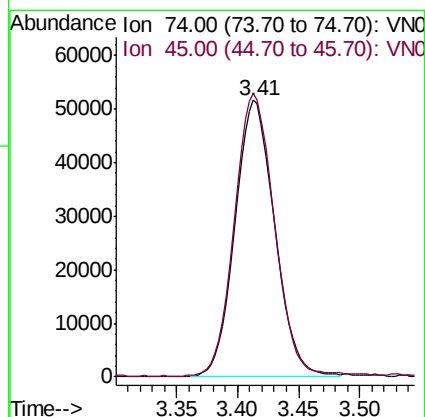
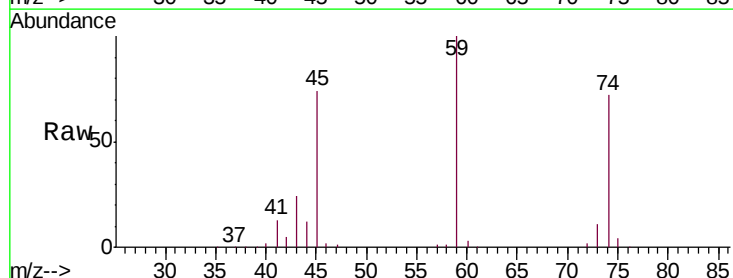
Tgt Ion: 101 Resp: 323702
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.1 78.1

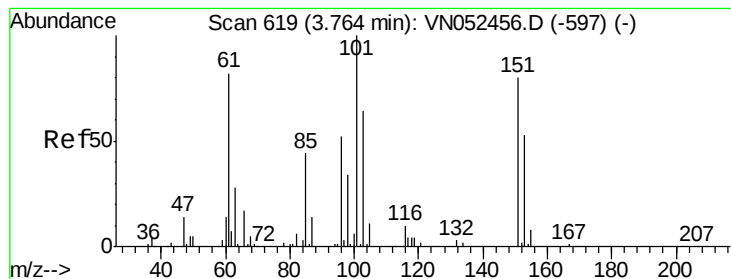


#8

Diethyl Ether
 Concen: 19.484 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion: 74 Resp: 116577
 Ion Ratio Lower Upper
 74 100
 45 103.2 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.670 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

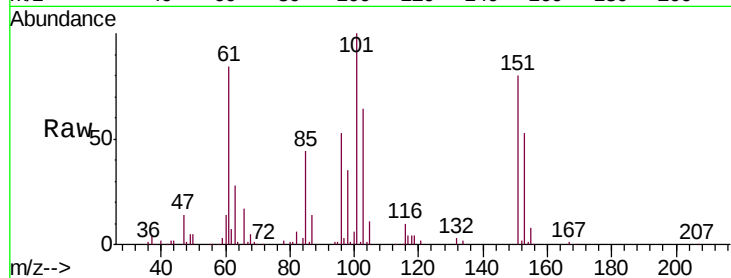
Tgt Ion: 101 Resp: 212328

Ion Ratio Lower Upper

101 100

85 41.3 0.0 82.6

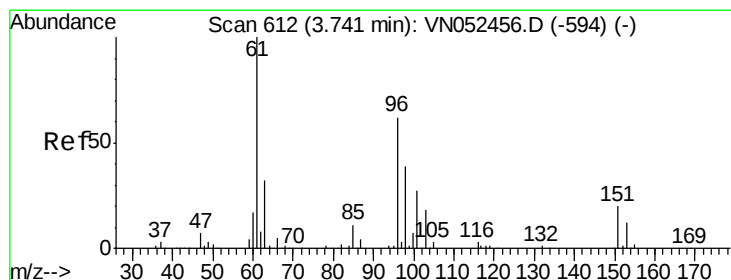
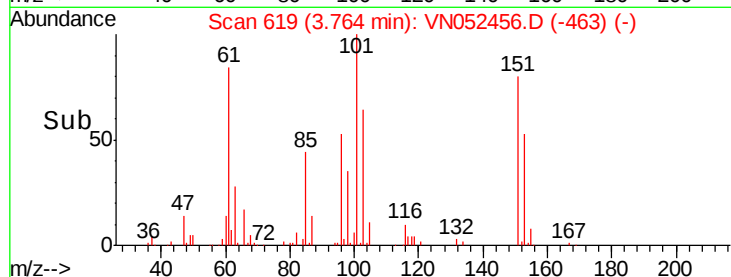
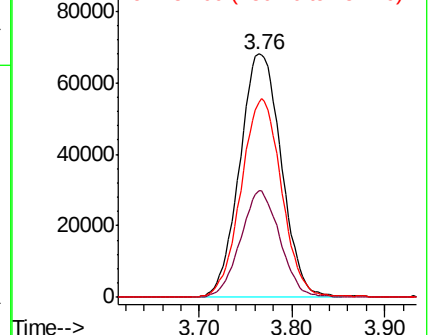
151 79.2 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.869 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

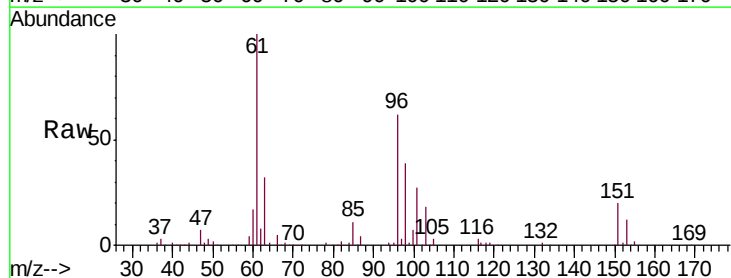
Tgt Ion: 96 Resp: 191895

Ion Ratio Lower Upper

96 100

61 161.8 129.4 194.2

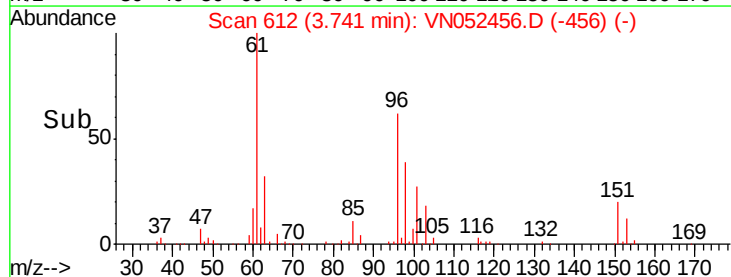
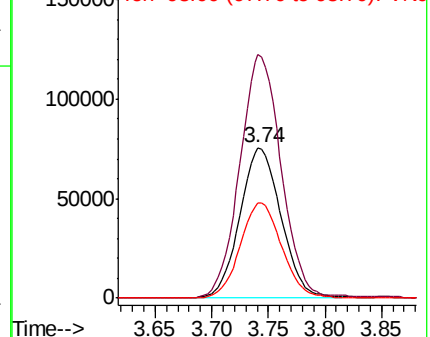
98 63.0 50.4 75.6

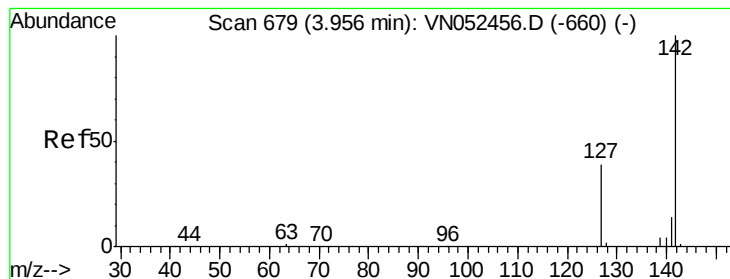


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

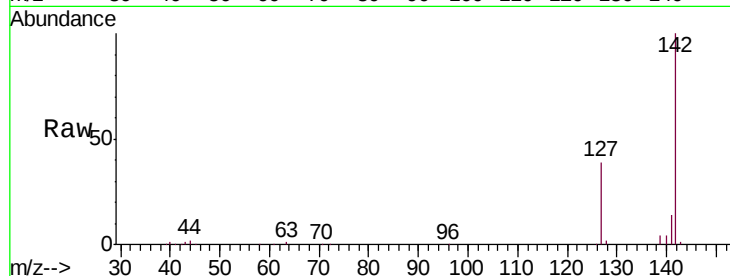




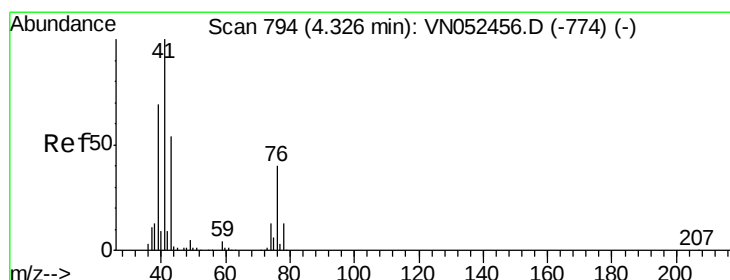
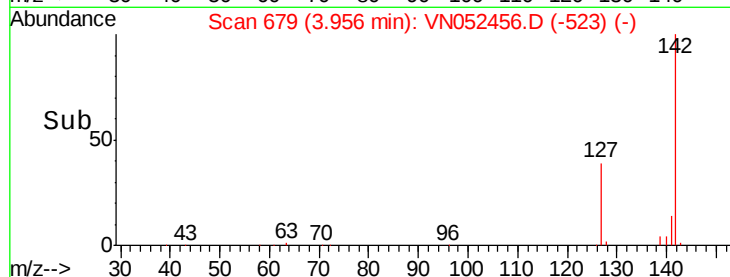
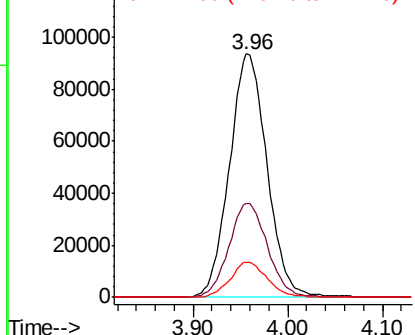
#11
Methyl Iodide
Concen: 19.289 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:142 Resp: 258663
Ion Ratio Lower Upper
142 100
127 38.7 19.4 58.1
141 14.4 7.2 21.6

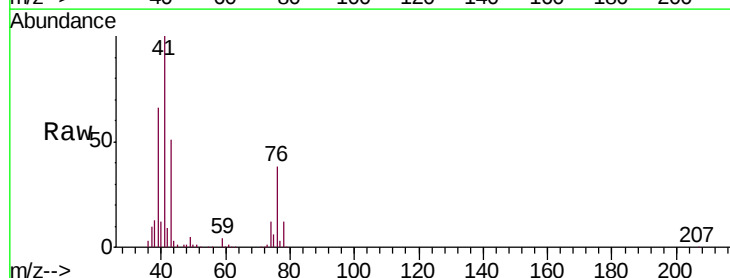


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

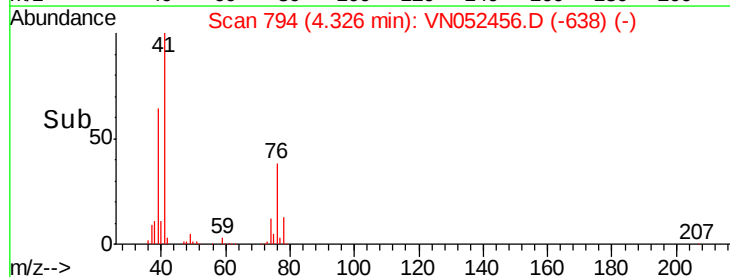
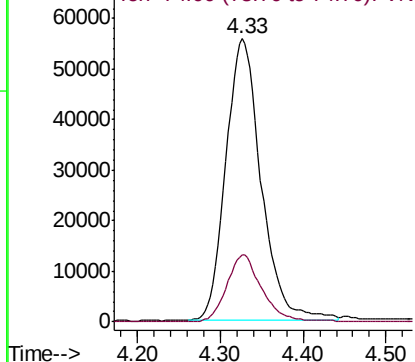


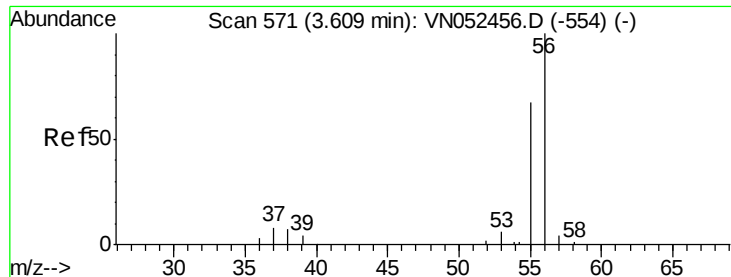
#12
Methyl Acetate
Concen: 20.150 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Tgt Ion: 43 Resp: 165356
Ion Ratio Lower Upper
43 100
74 23.6 18.9 28.3



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





#13

Acrolein

Concen: 92.579 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

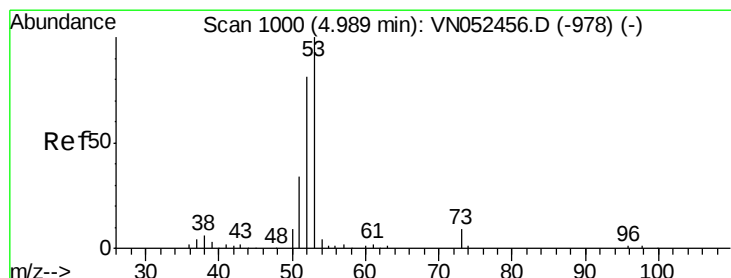
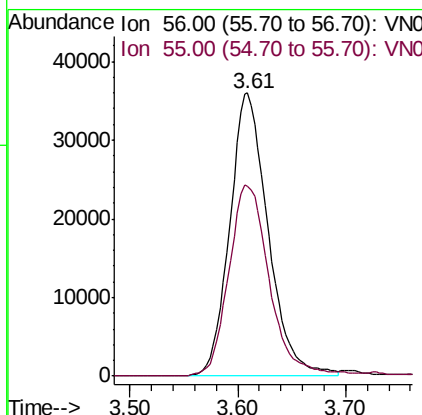
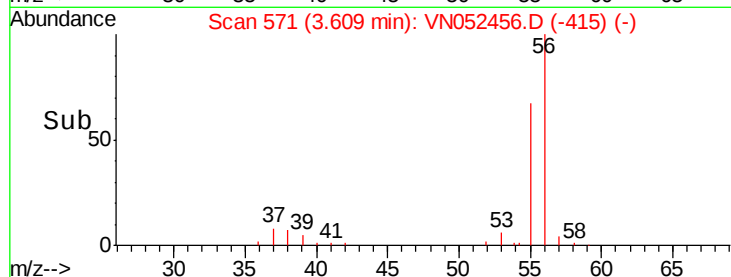
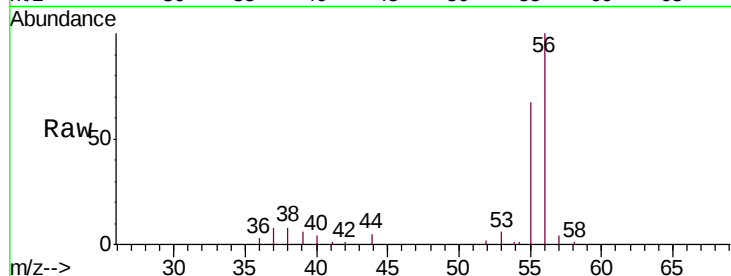
VSTDICCC020

Tgt Ion: 56 Resp: 89242

Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1



#14

Acrylonitrile

Concen: 102.730 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

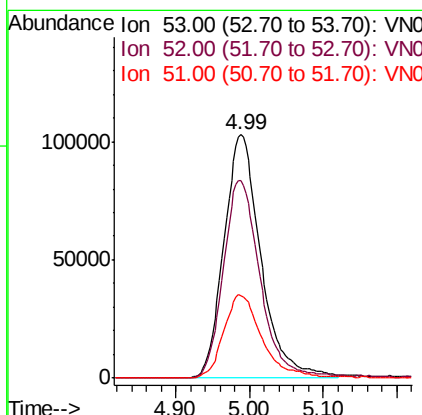
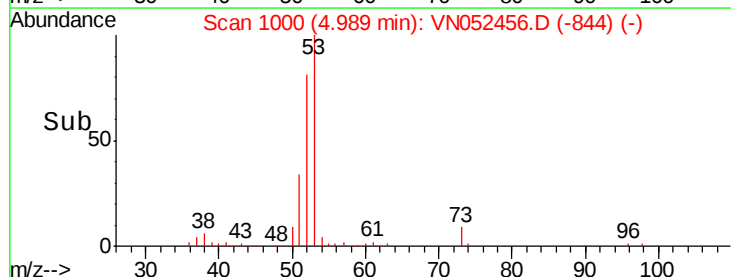
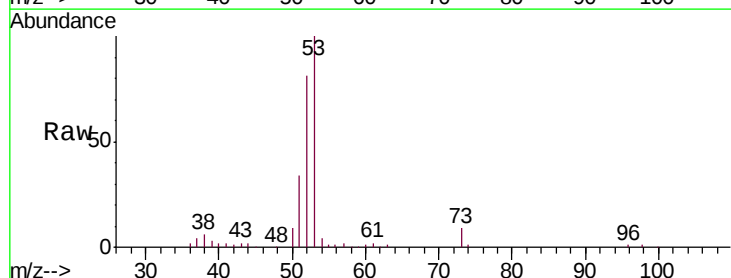
Tgt Ion: 53 Resp: 359199

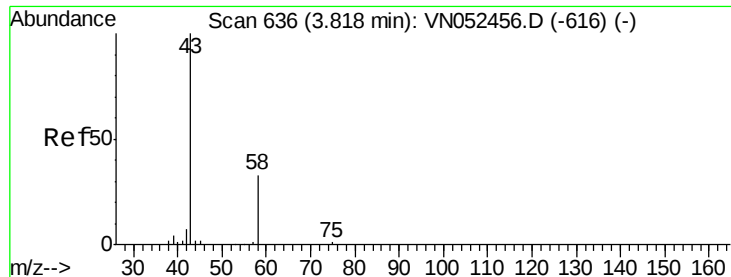
Ion Ratio Lower Upper

53 100

52 79.8 39.9 119.7

51 35.3 17.6 52.9





#15

Acetone

Concen: 108.815 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

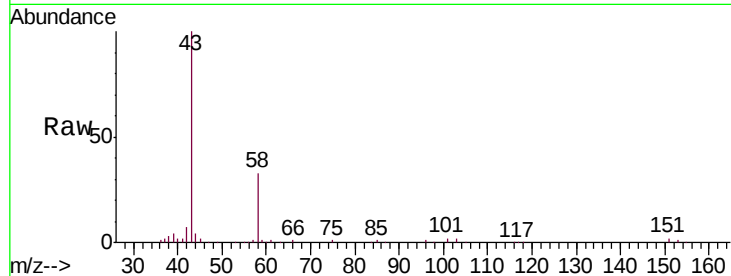
VSTDICCC020

Tgt Ion: 58 Resp: 98535

Ion Ratio Lower Upper

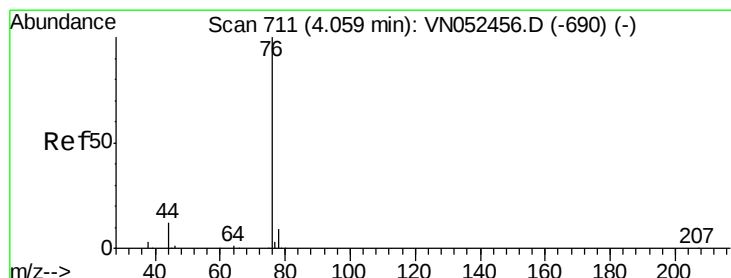
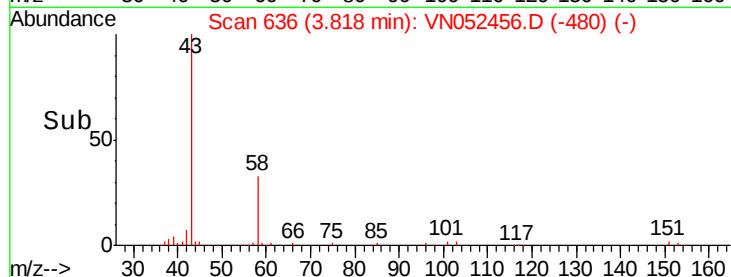
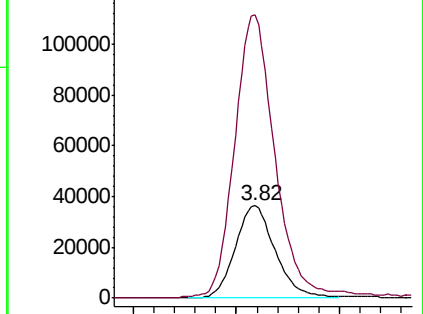
58 100

43 304.5 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.882 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052456.D

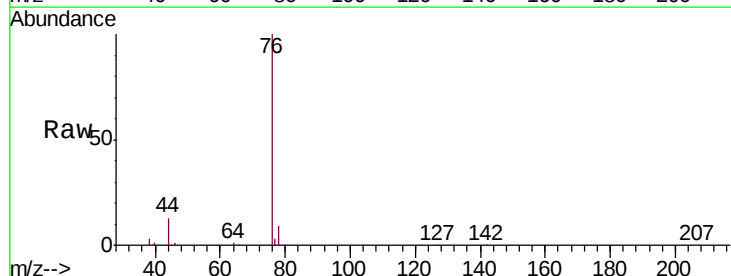
Acq: 26 Nov 2018 13:20

Tgt Ion: 76 Resp: 607954

Ion Ratio Lower Upper

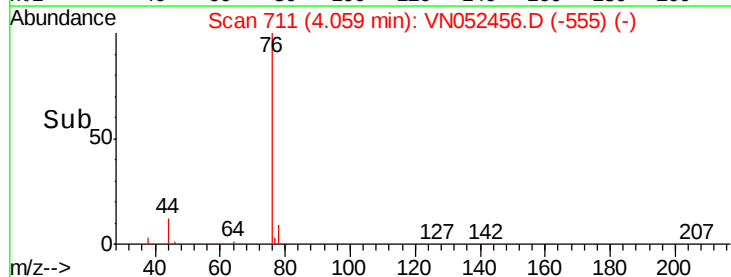
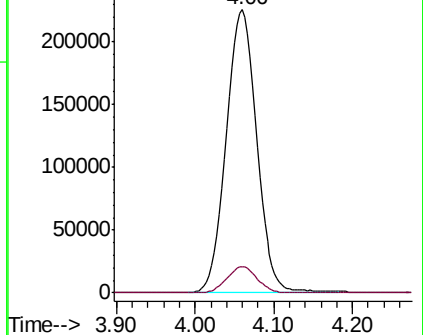
76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allyl chloride

Concen: 20.153 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

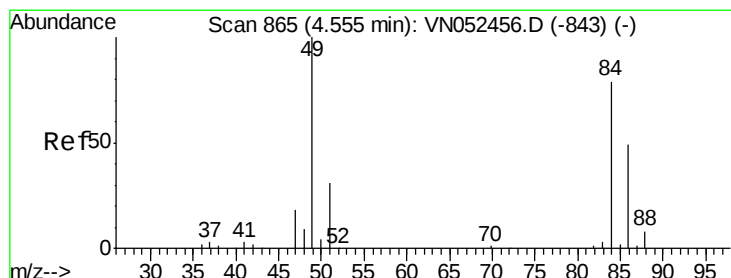
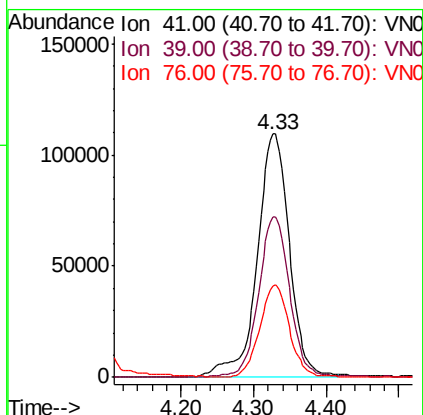
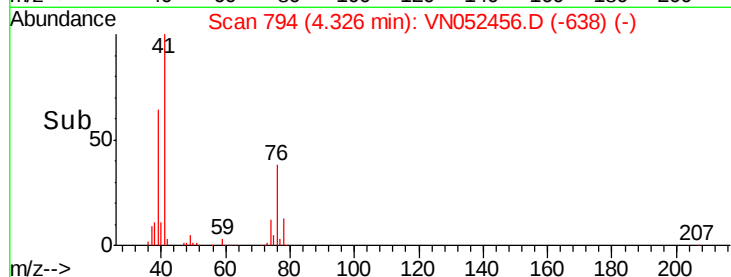
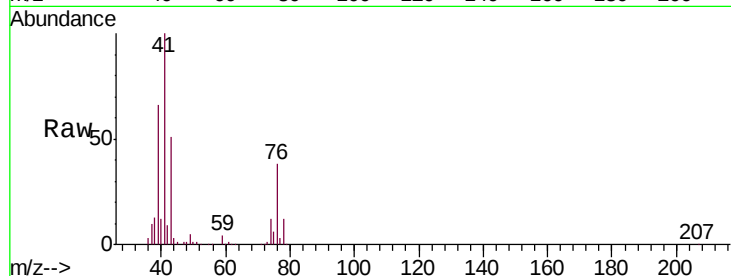
Tgt Ion: 41 Resp: 339449

Ion Ratio Lower Upper

41 100

39 65.5 32.8 98.3

76 37.2 18.6 55.8



#18

Methylene Chloride

Concen: 19.876 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Tgt Ion: 84 Resp: 222270

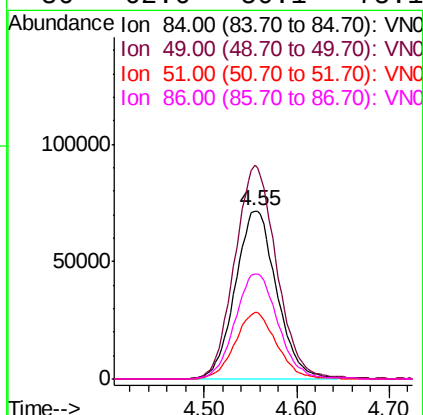
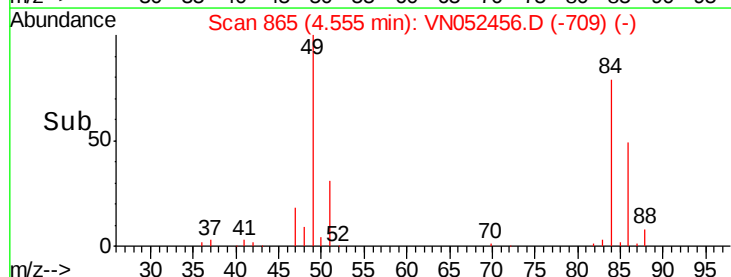
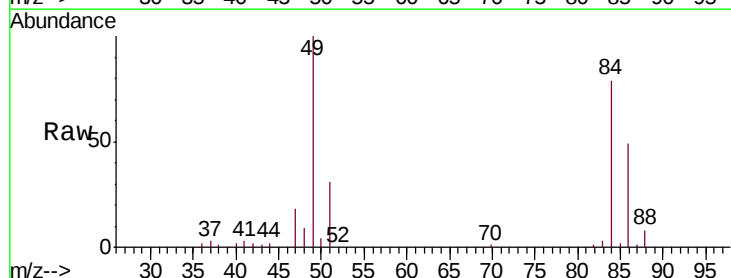
Ion Ratio Lower Upper

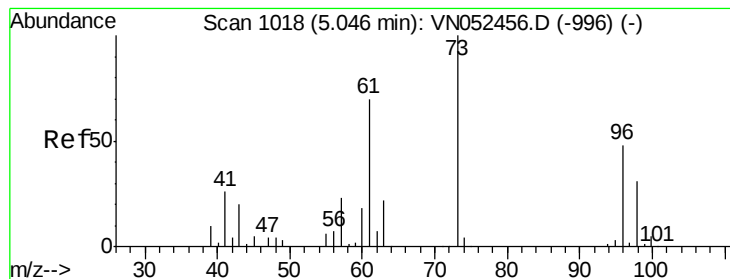
84 100

49 126.7 101.4 152.0

51 39.6 31.7 47.5

86 62.6 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 19.793 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

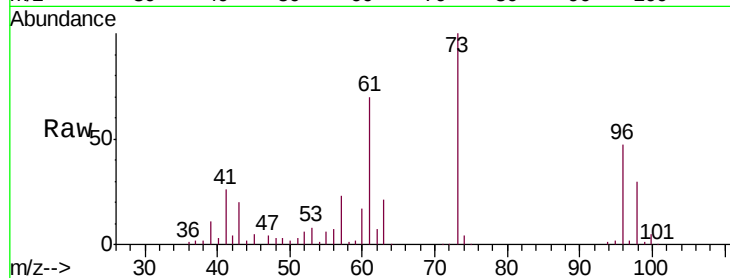
Tgt Ion: 96 Resp: 205729

Ion Ratio Lower Upper

96 100

61 147.8 118.2 177.4

98 64.3 51.4 77.2

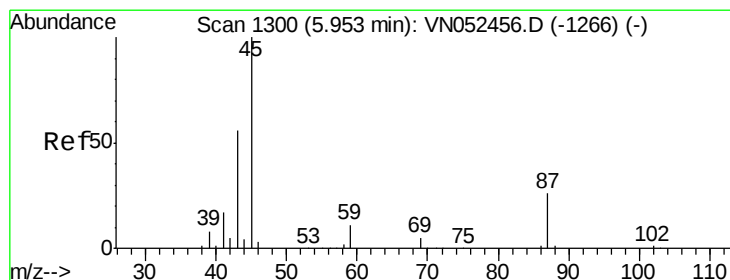
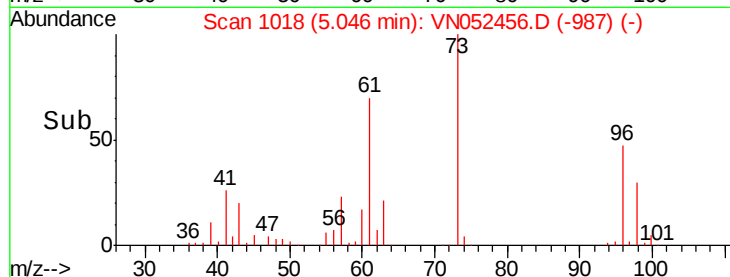
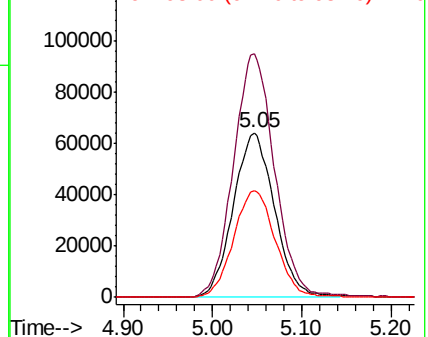


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 20.143 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Tgt Ion: 45 Resp: 712977

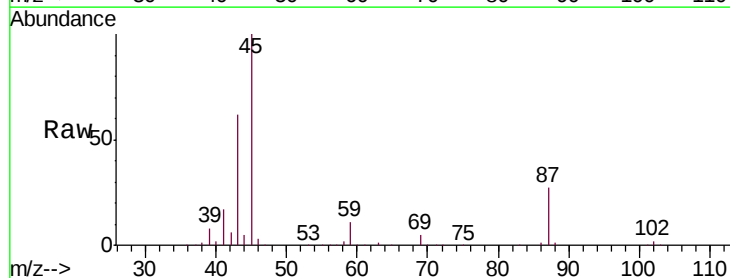
Ion Ratio Lower Upper

45 100

43 59.8 47.8 71.8

87 26.6 21.3 31.9

59 11.1 8.9 13.3



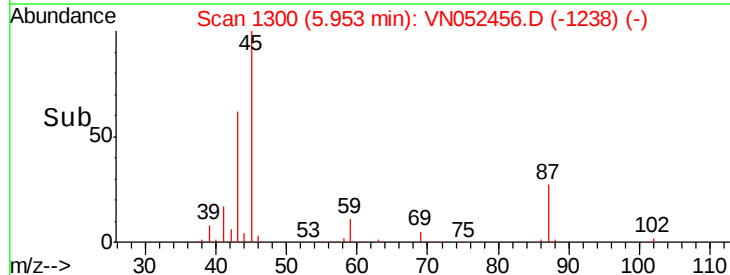
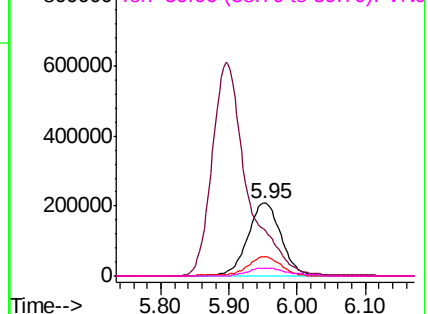
Abundance

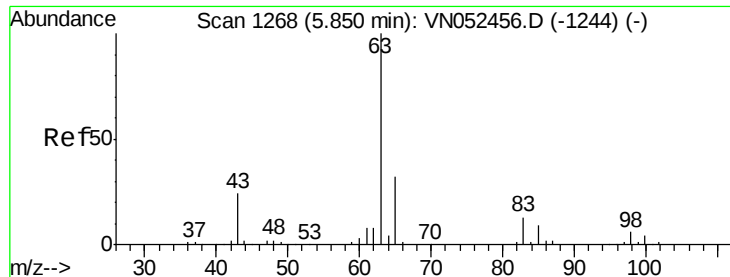
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

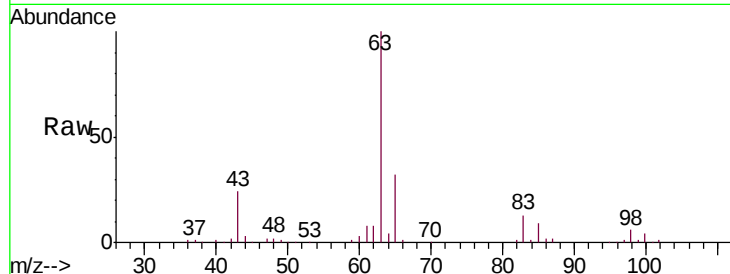




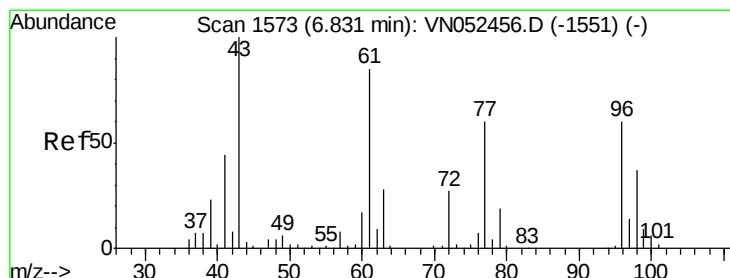
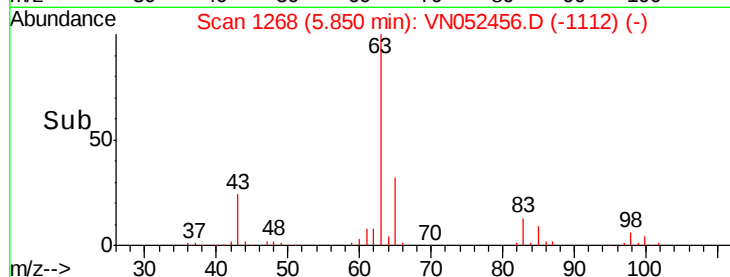
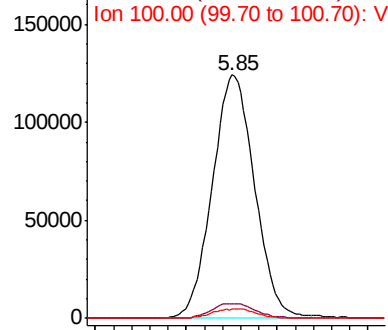
#21
 1,1-Dichloroethane
 Concen: 19.898 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 63 Resp: 401438
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.0 9.2
 100 3.7 1.8 5.5

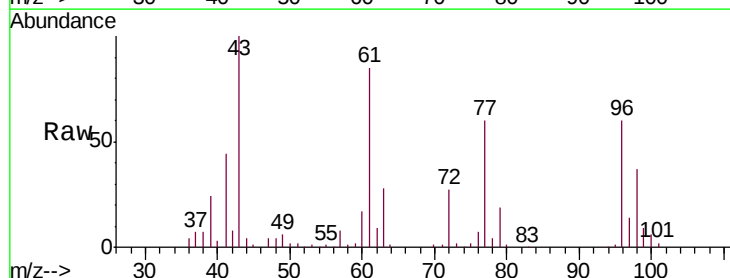


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

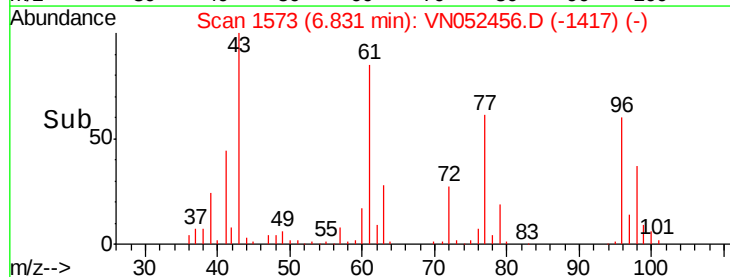
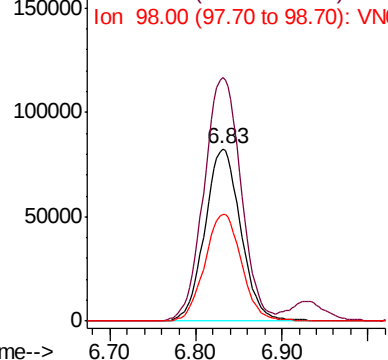


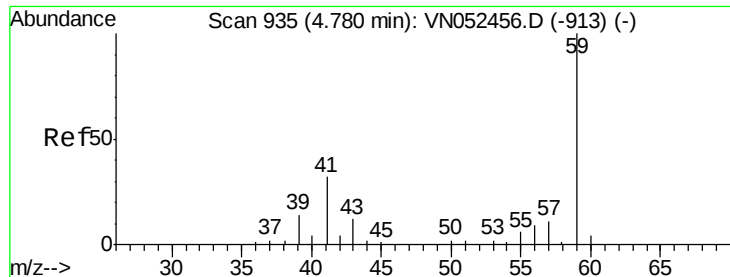
#22
 cis-1,2-Dichloroethene
 Concen: 20.068 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion: 96 Resp: 239058
 Ion Ratio Lower Upper
 96 100
 61 145.9 116.7 175.1
 98 63.5 50.8 76.2



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



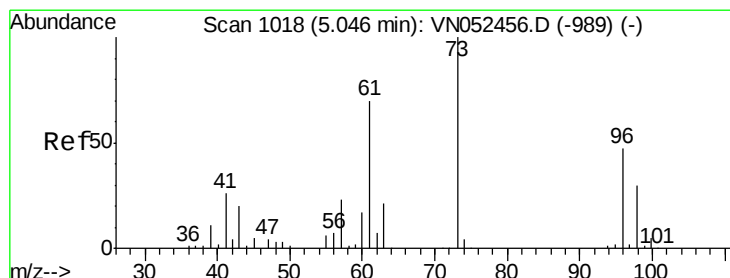
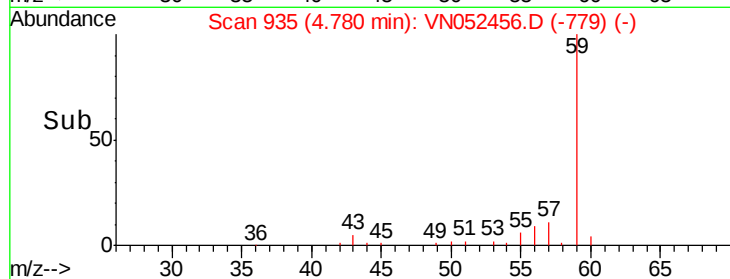
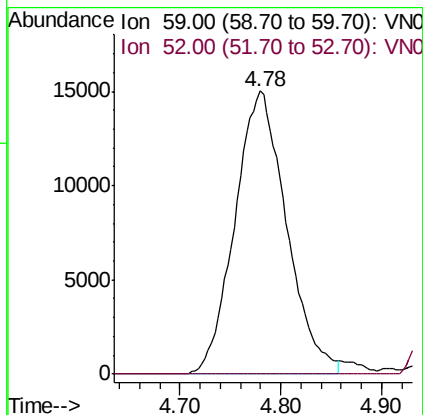
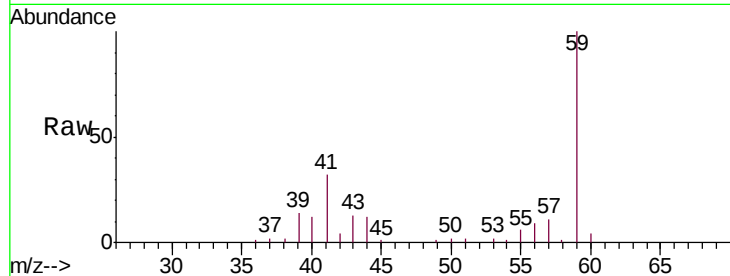


#23

tert-Butyl Alcohol
 Concen: 102.618 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

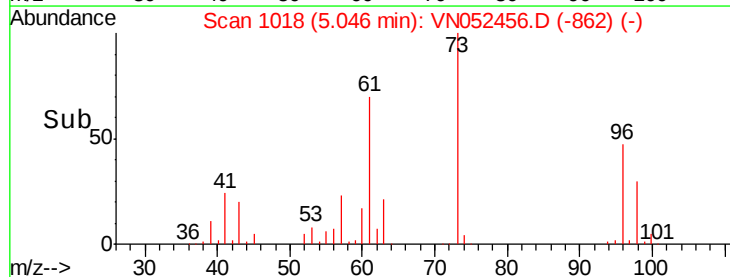
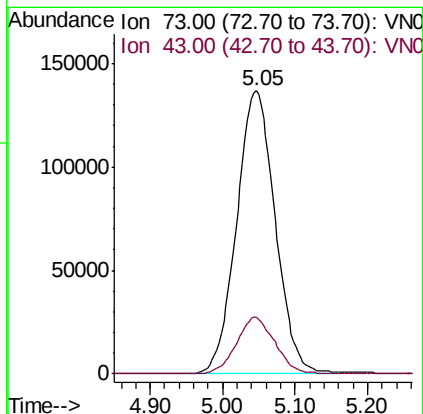
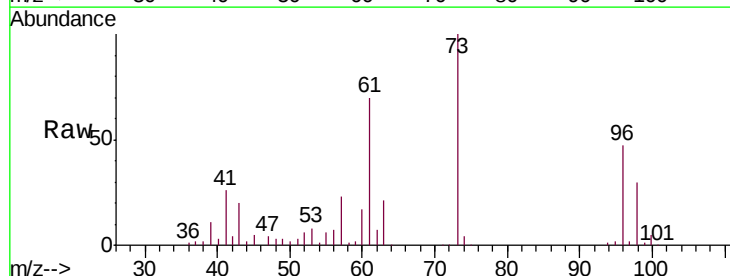
Tgt Ion: 59 Resp: 53376
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

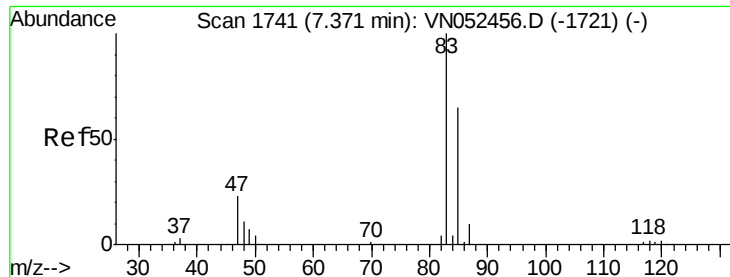


#24

Methyl tert-Butyl Ether
 Concen: 20.017 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion: 73 Resp: 507166
 Ion Ratio Lower Upper
 73 100
 43 19.8 15.8 23.8

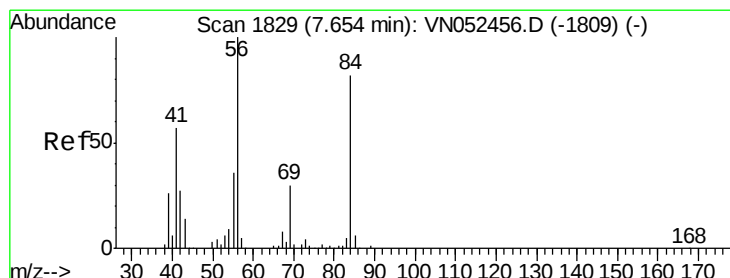
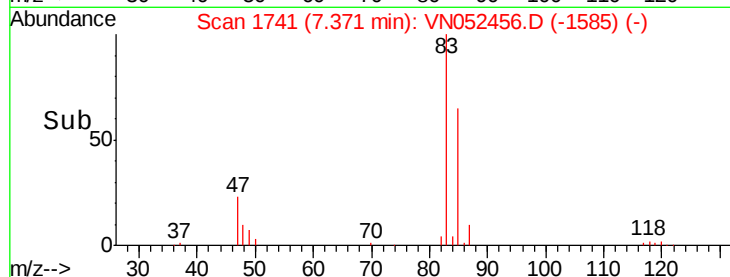
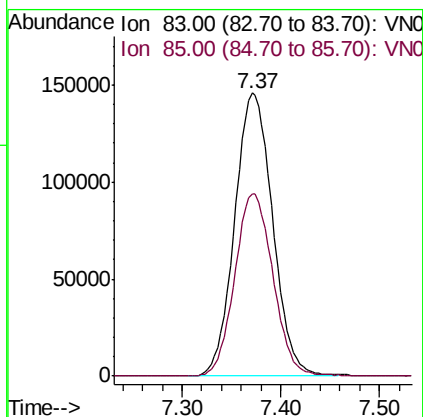
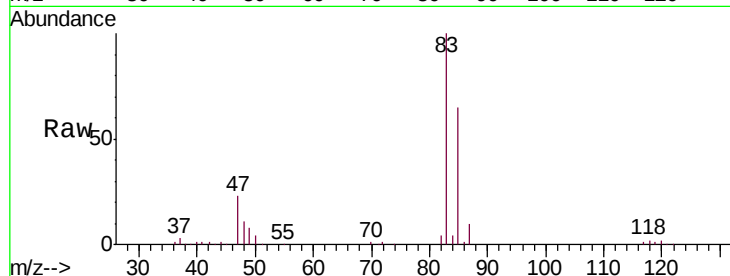




#25
Chloroform
Concen: 19.995 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

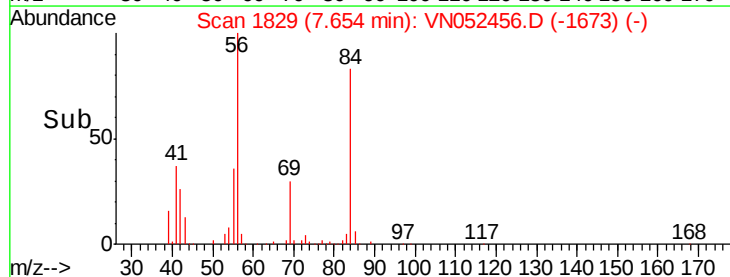
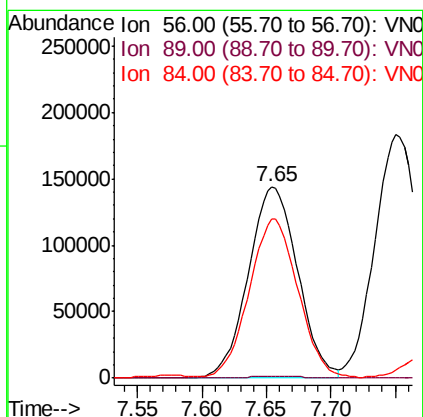
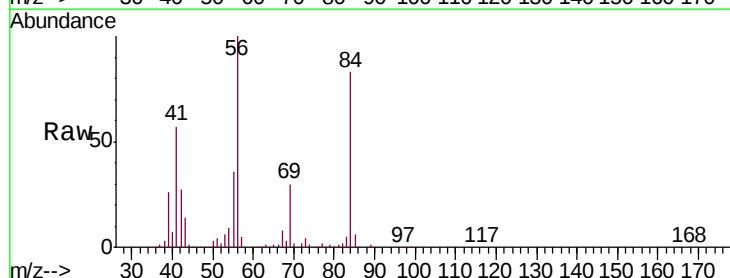
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

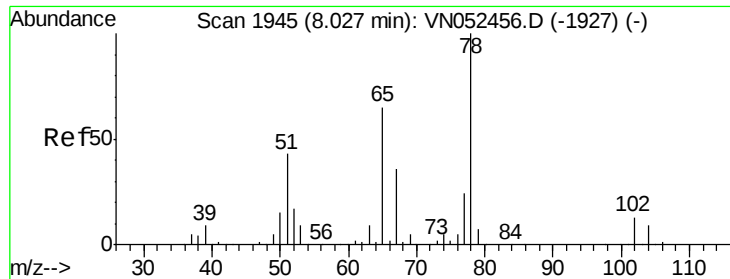
Tgt Ion: 83 Resp: 389159
Ion Ratio Lower Upper
83 100
85 64.6 51.7 77.5



#26
Cyclohexane
Concen: 20.148 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Tgt Ion: 56 Resp: 383362
Ion Ratio Lower Upper
56 100
89 0.6 0.5 0.7
84 82.7 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 20.148 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

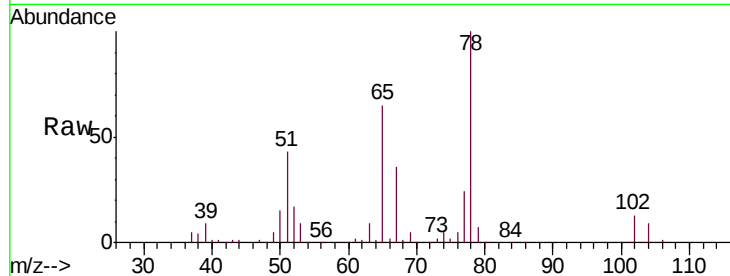
VSTDICCC020

Tgt Ion: 65 Resp: 352883

Ion Ratio Lower Upper

65 100

67 55.7 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN052456.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN052456.D (-1927) (-)

8.03

150000

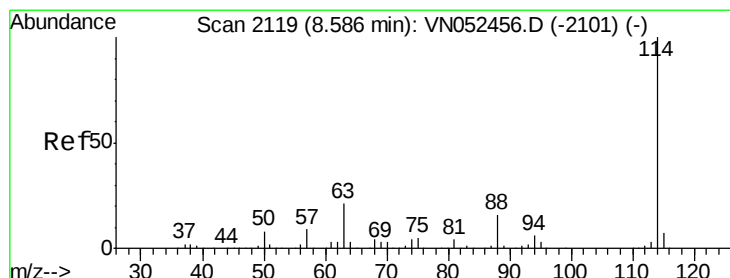
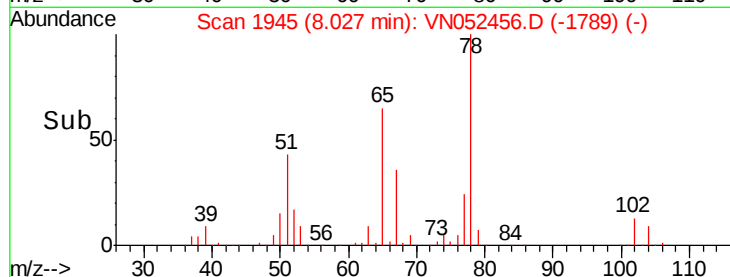
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

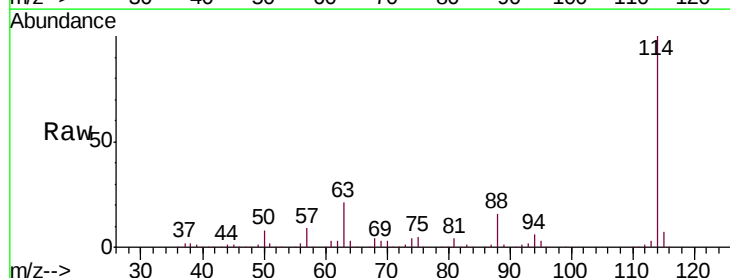
Tgt Ion: 114 Resp: 1000035

Ion Ratio Lower Upper

114 100

63 21.1 16.9 25.3

88 16.0 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN052456.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN052456.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN052456.D (-2101) (-)

8.59

600000

500000

400000

300000

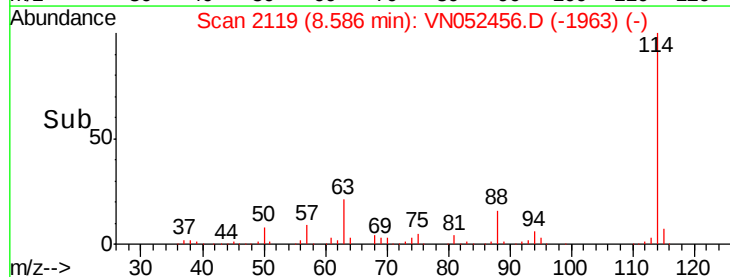
200000

100000

0

8.50 8.60 8.70

Time-->

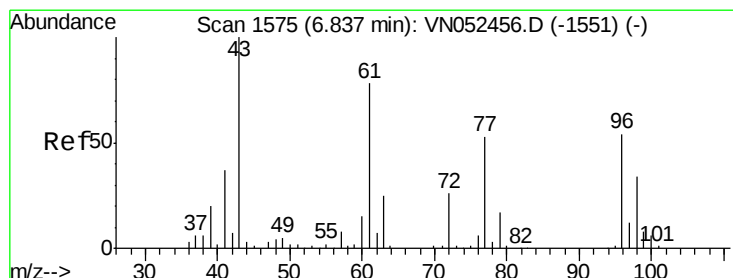
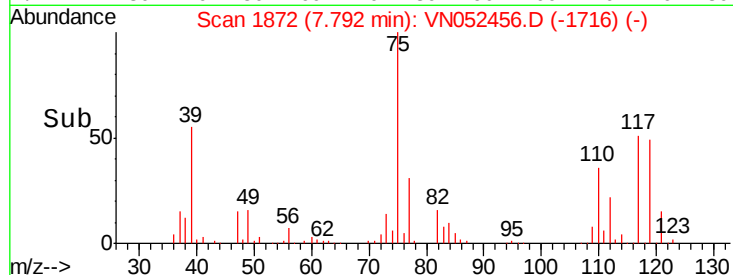
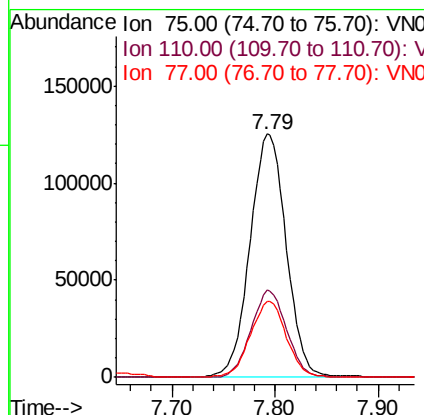
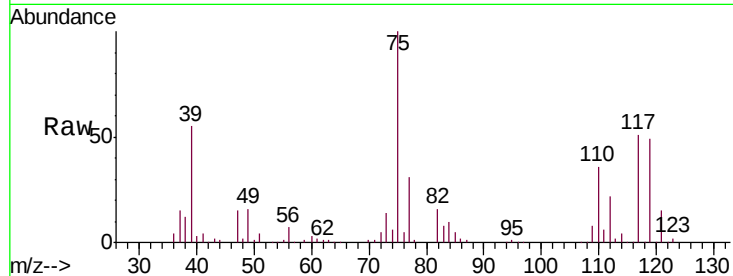




#29
 1,1-Dichloropropene
 Concen: 20.006 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

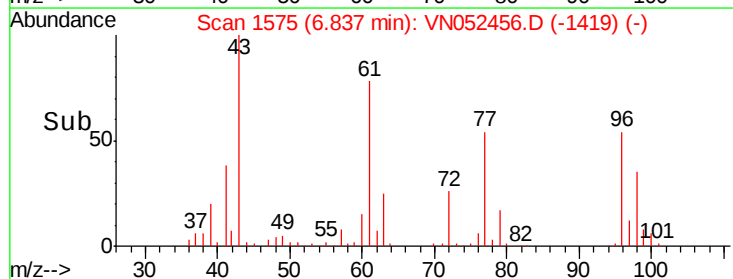
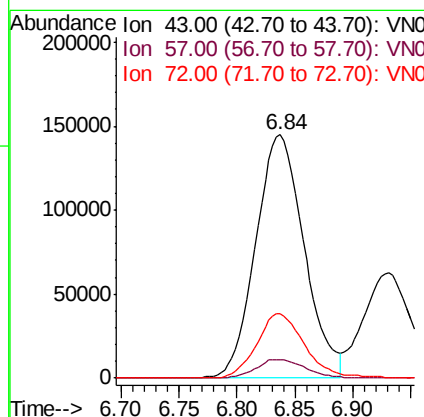
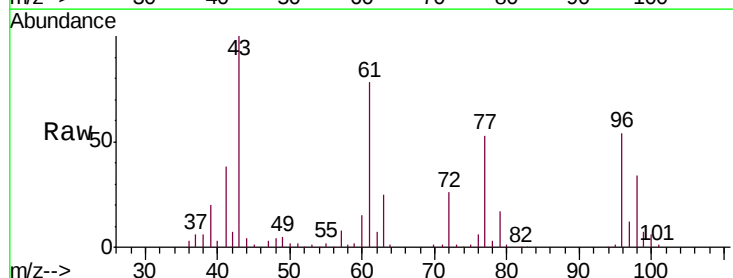
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

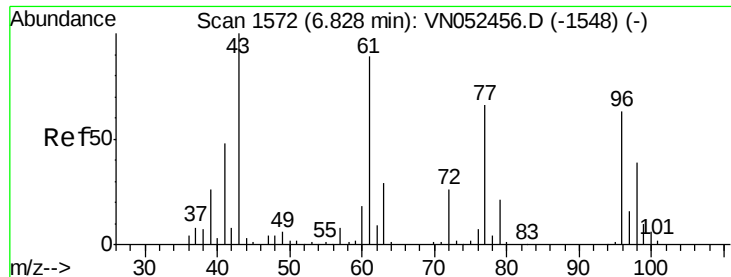
Tgt Ion: 75 Resp: 305518
 Ion Ratio Lower Upper
 75 100
 110 35.1 0.0 70.2
 77 31.3 0.0 62.6



#30
 2-Butanone
 Concen: 102.508 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion: 43 Resp: 418889
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.2 9.4
 72 26.3 21.0 31.6

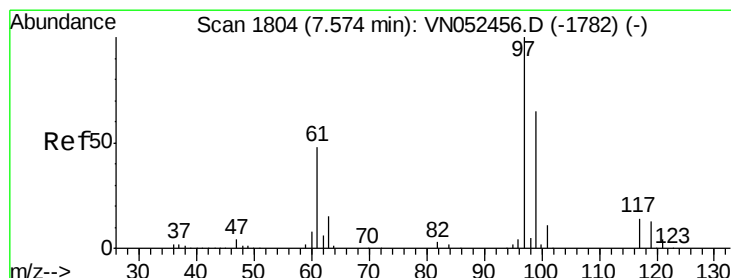
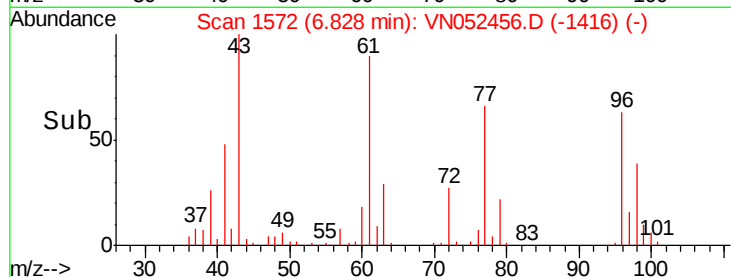
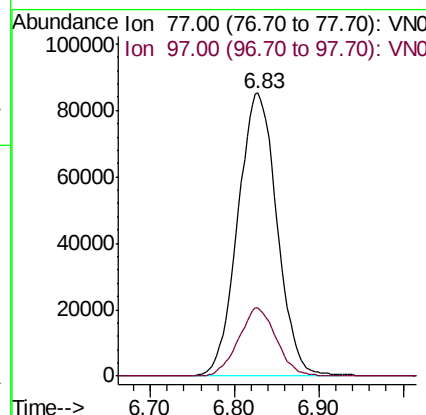
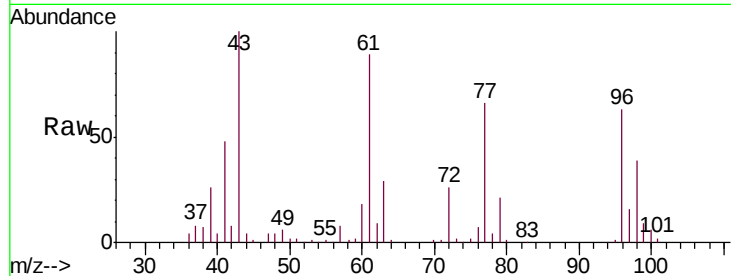




#31
 2,2-Dichloropropane
 Concen: 19.544 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

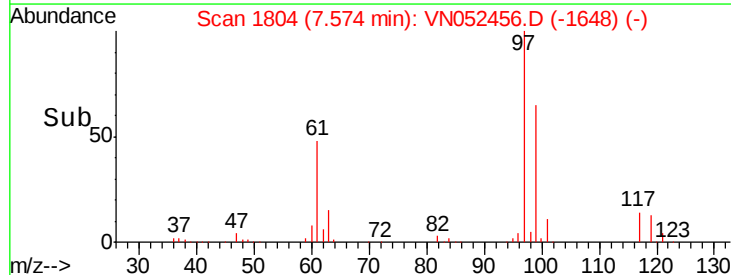
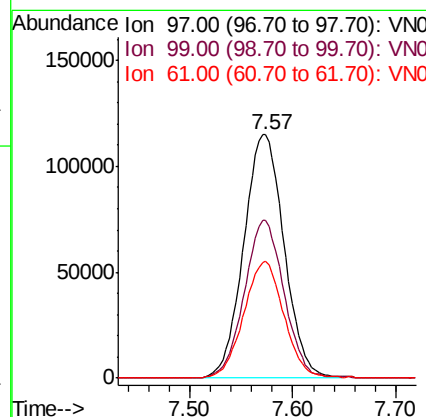
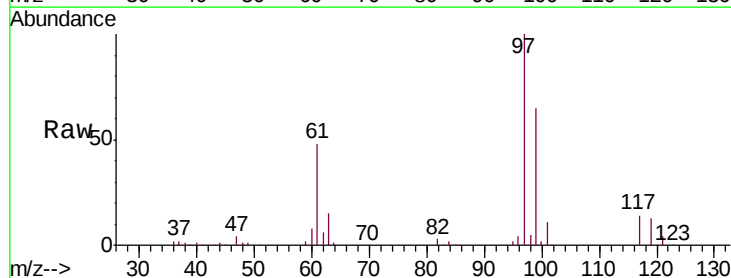
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

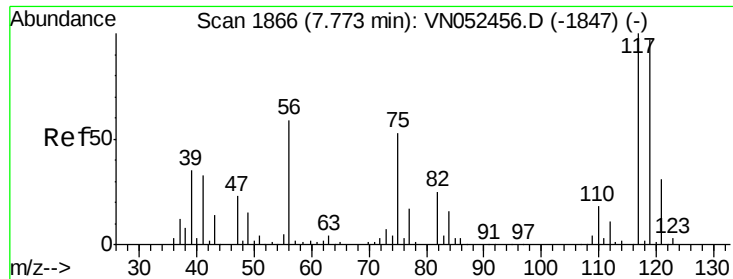
Tgt Ion: 77 Resp: 274780
 Ion Ratio Lower Upper
 77 100
 97 23.4 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 19.720 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion: 97 Resp: 313353
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.9 76.3
 61 47.6 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.812 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

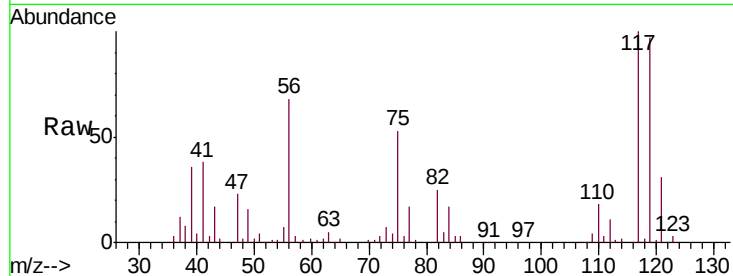
Tgt Ion:117 Resp: 275465

Ion Ratio Lower Upper

117 100

119 96.6 77.3 115.9

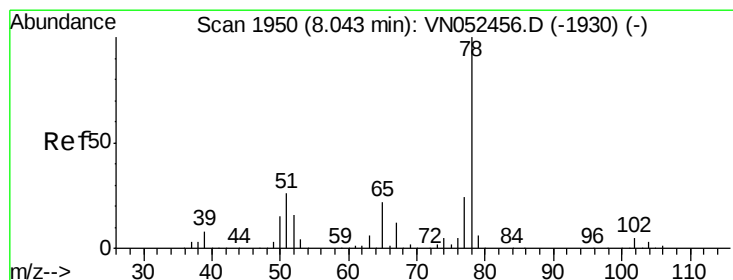
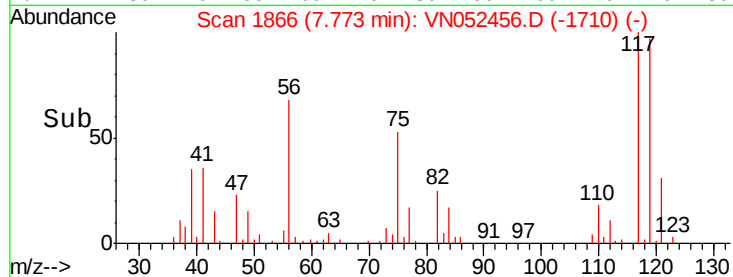
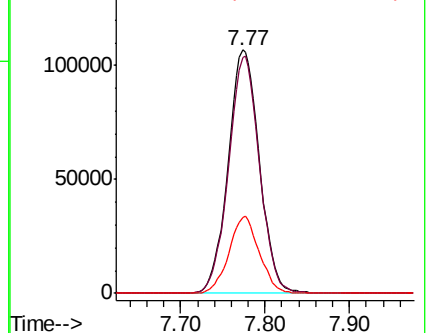
121 31.1 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.038 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

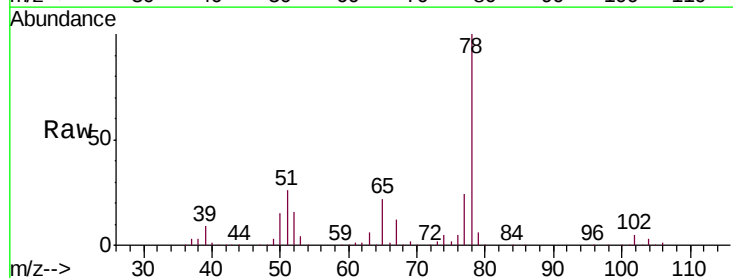
Tgt Ion: 78 Resp: 920024

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

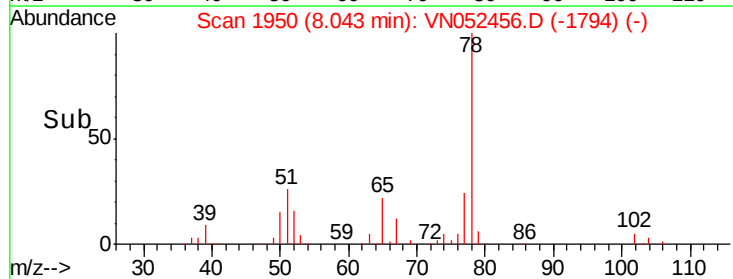
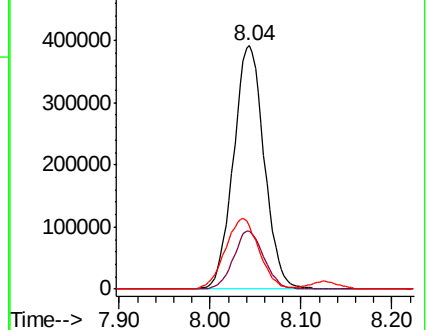
51 25.6 20.5 30.7

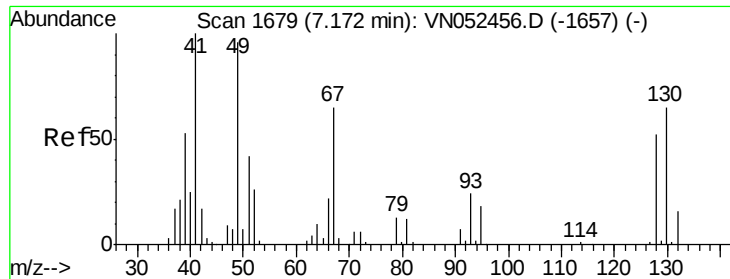


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

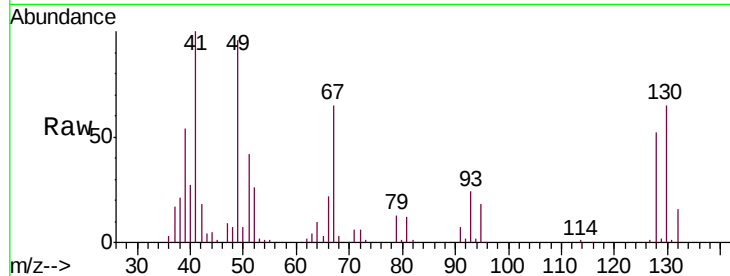




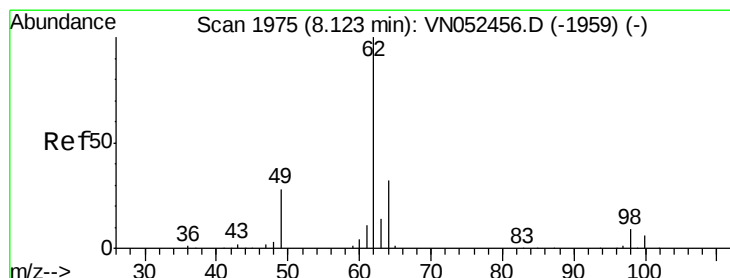
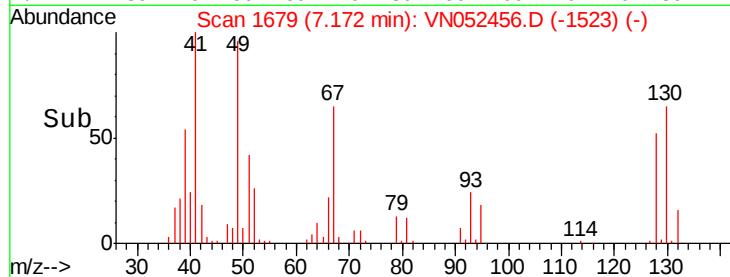
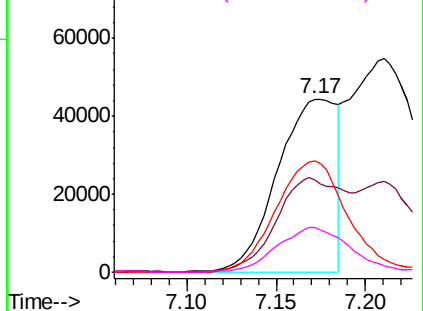
#35
Methacrylonitrile
Concen: 14.531 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:	41	Resp:	102483
Ion	Ratio	Lower	Upper
41	100		
39	53.1	26.6	79.7
67	64.6	32.3	96.9
52	25.9	13.0	38.9

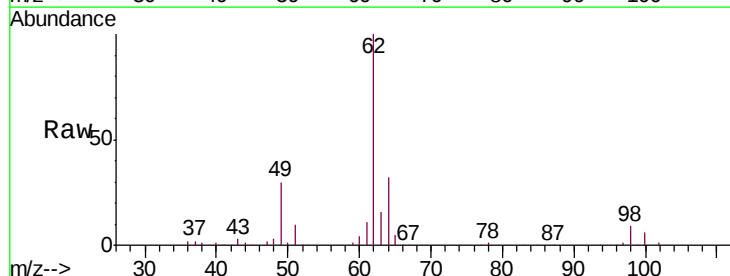


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

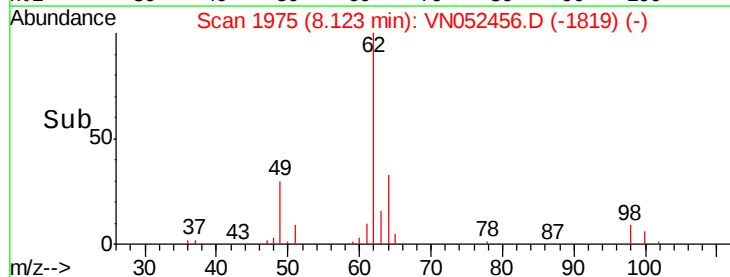
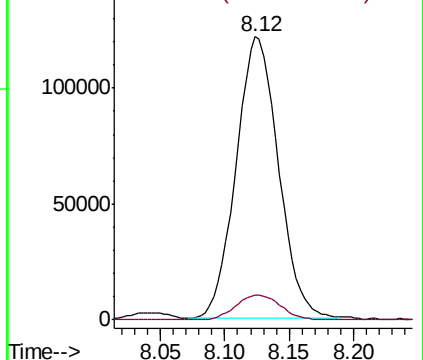


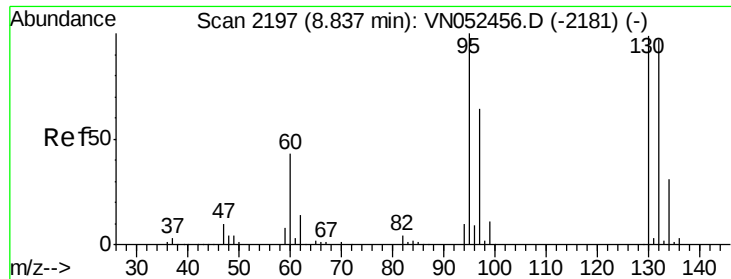
#36
1,2-Dichloroethane
Concen: 19.934 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Tgt Ion:	62	Resp:	277346
Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.2



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

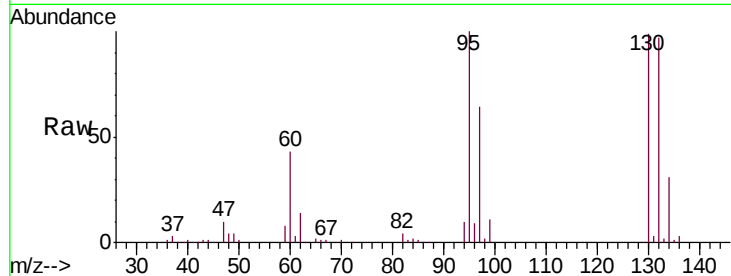




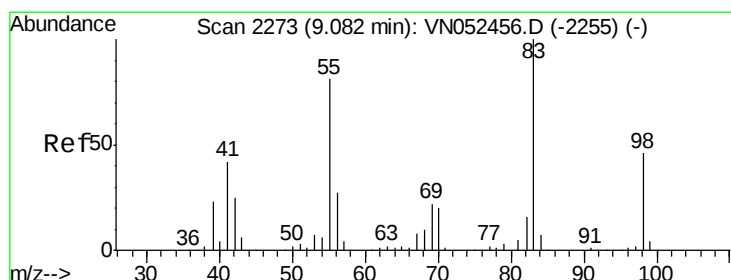
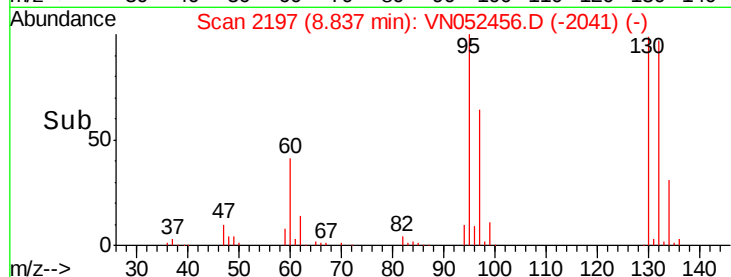
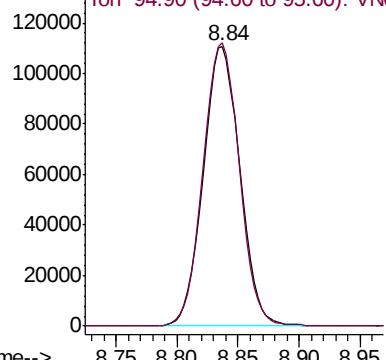
#37
 Trichloroethene
 Concen: 19.800 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 130 Resp: 230525
 Ion Ratio Lower Upper
 130 100
 95 101.2 81.0 121.4

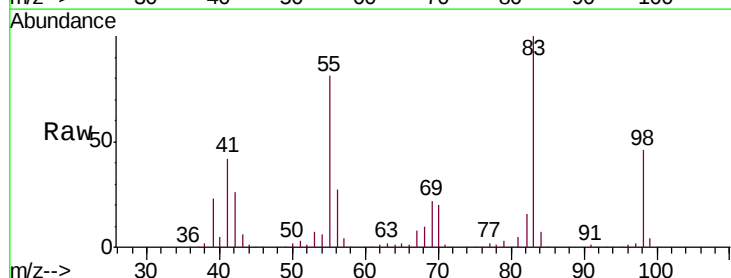


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

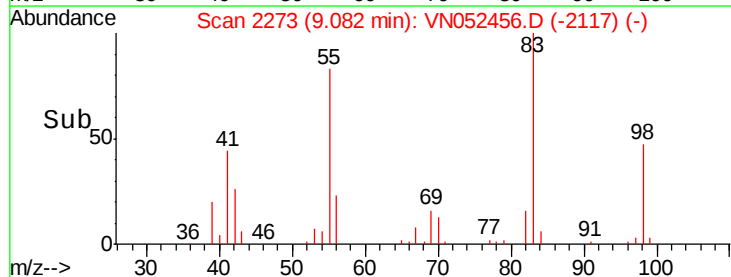
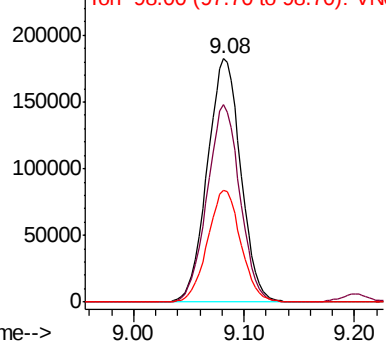


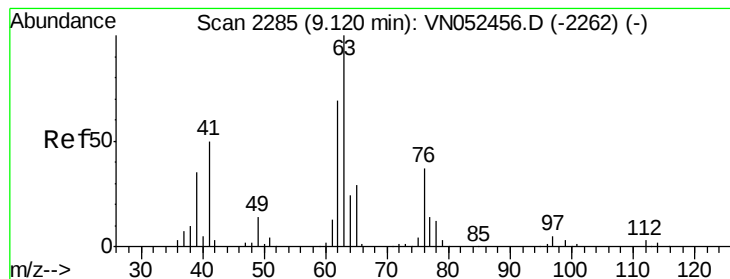
#38
 Methylcyclohexane
 Concen: 20.273 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion: 83 Resp: 383258
 Ion Ratio Lower Upper
 83 100
 55 79.6 39.8 119.4
 98 45.7 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





#39

1,2-Dichloropropane

Concen: 19.912 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

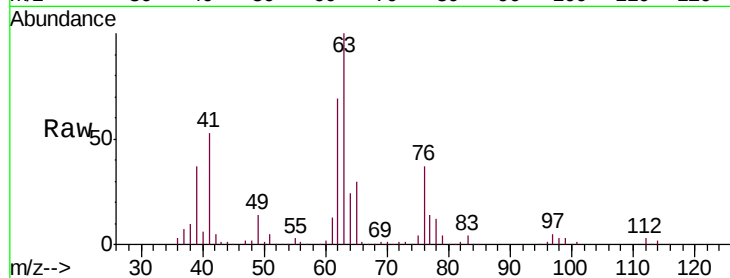
VSTDICCC020

Tgt Ion: 63 Resp: 245069

Ion Ratio Lower Upper

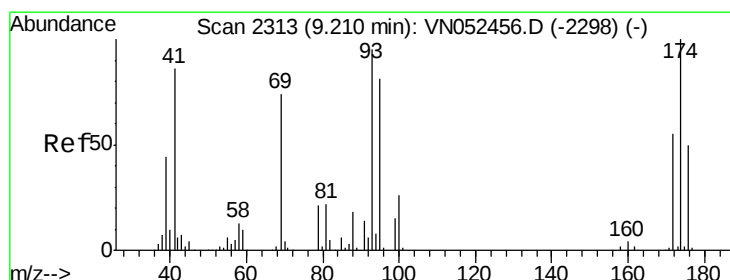
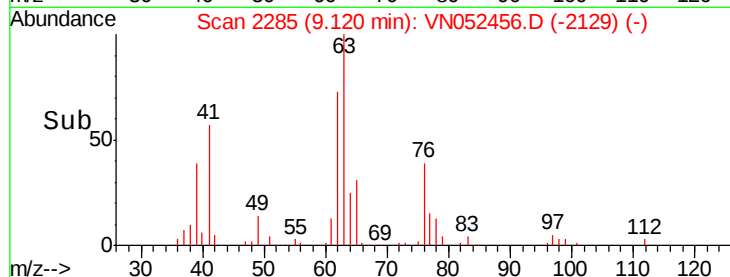
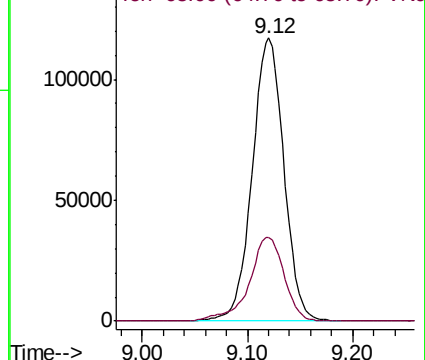
63 100

65 29.5 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.976 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

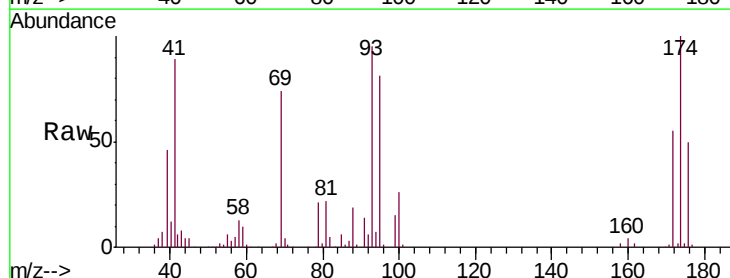
Tgt Ion: 93 Resp: 132859

Ion Ratio Lower Upper

93 100

95 84.2 0.0 168.4

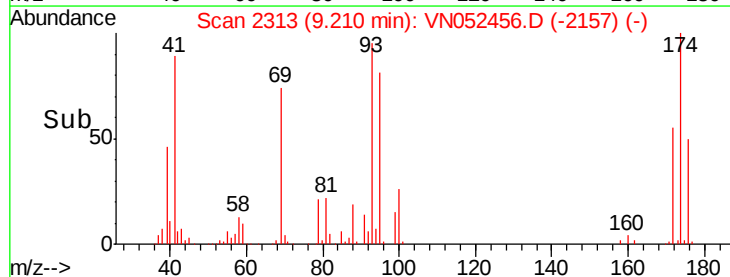
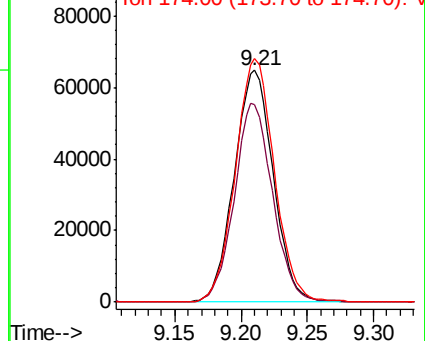
174 105.0 0.0 210.0

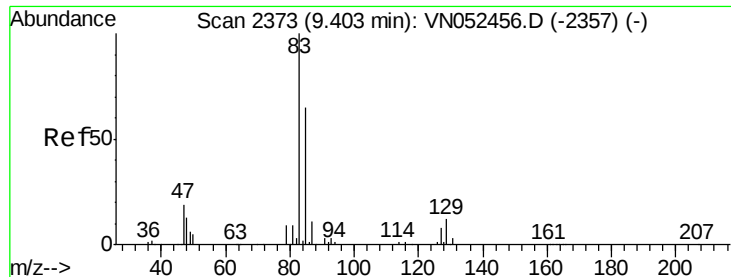


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

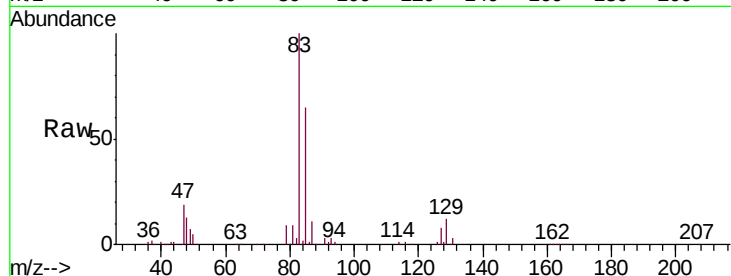




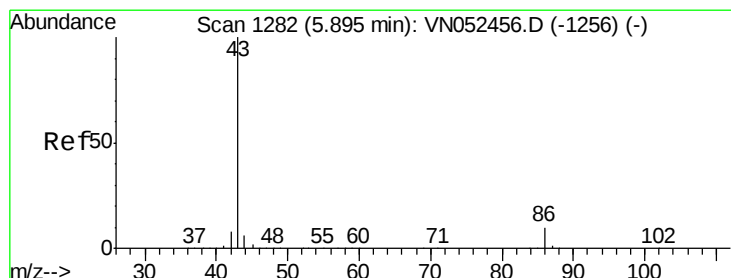
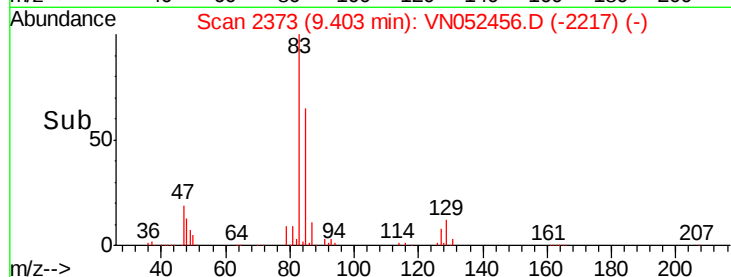
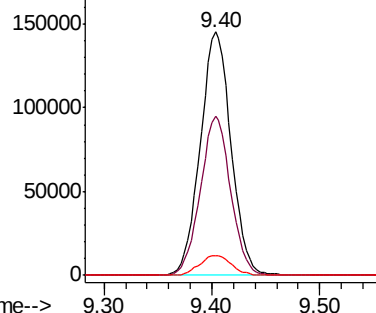
#41
 Bromodichloromethane
 Concen: 19.627 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 83 Resp: 288403
 Ion Ratio Lower Upper
 83 100
 85 65.5 52.4 78.6
 127 8.2 6.6 9.8

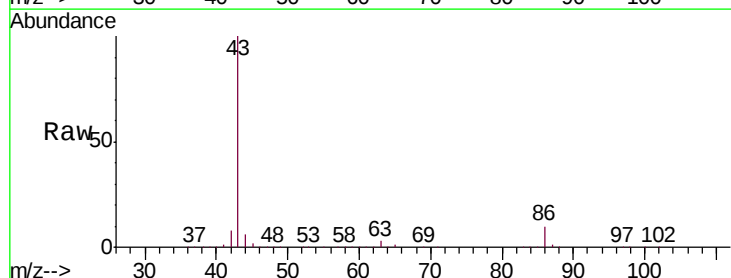


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

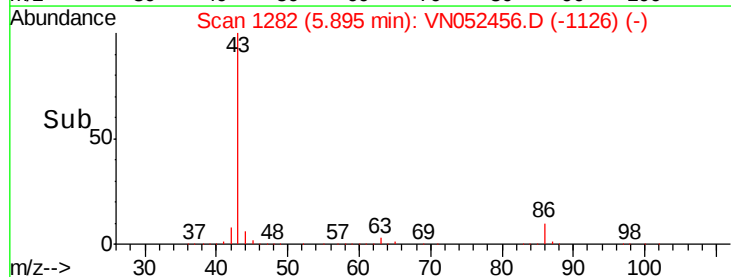
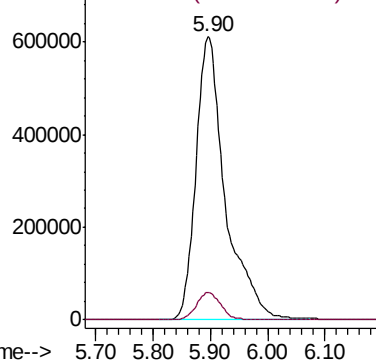


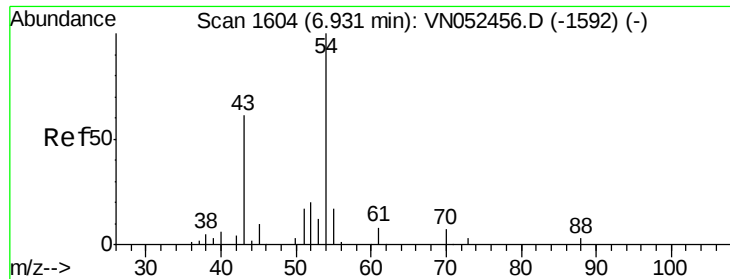
#42
 Vinyl Acetate
 Concen: 98.616 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion: 43 Resp: 2180413
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.5 9.7



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

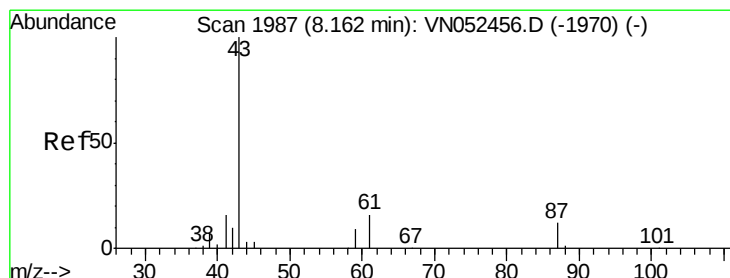
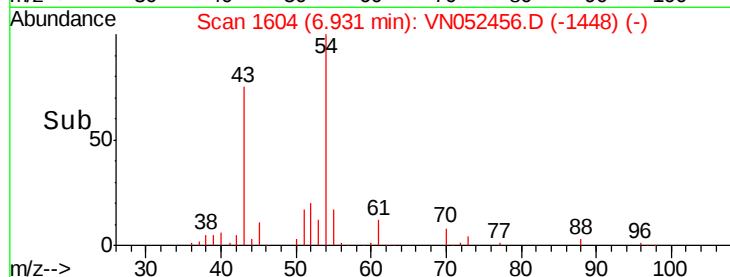
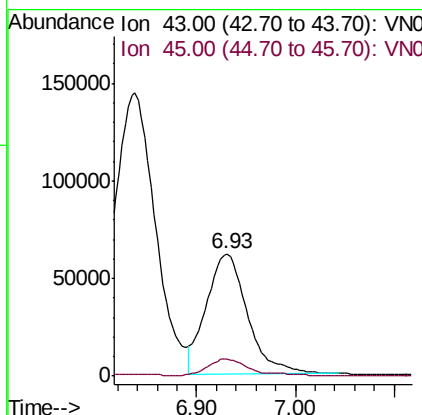
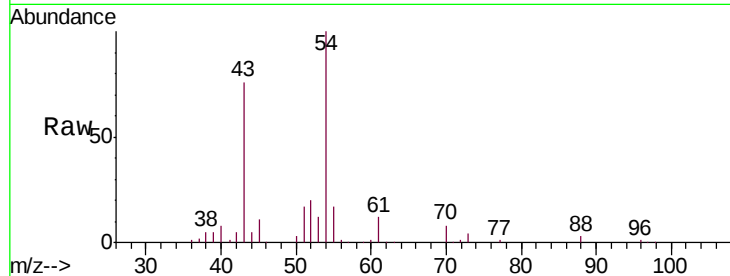




#43
Ethyl Acetate
Concen: 9.865 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

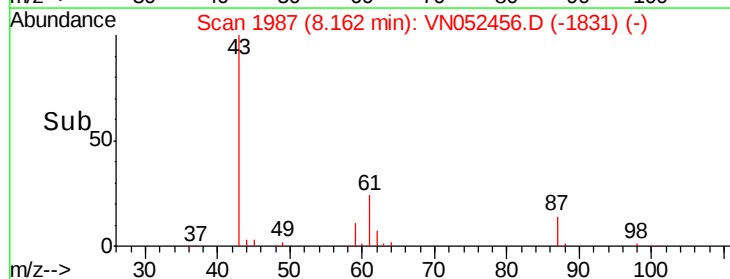
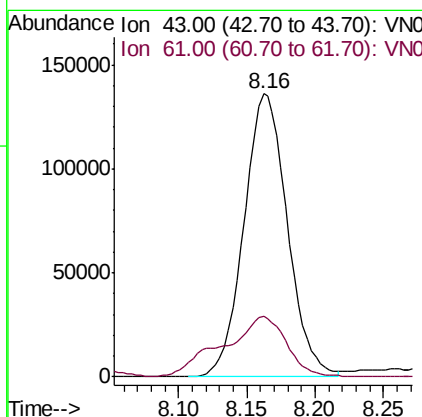
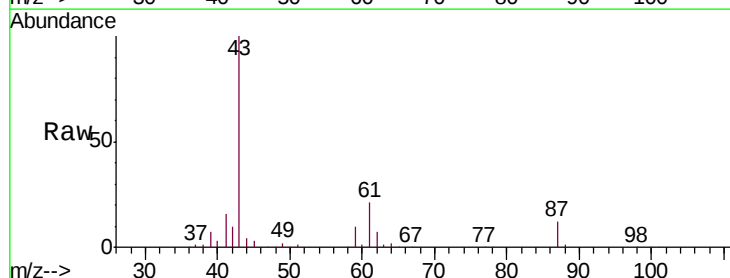
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

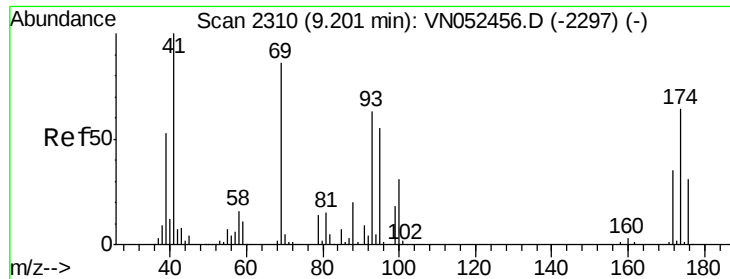
Tgt Ion: 43 Resp: 179326
Ion Ratio Lower Upper
43 100
45 11.9 1.0 1.6#



#44
Isopropyl Acetate
Concen: 19.584 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Tgt Ion: 43 Resp: 298442
Ion Ratio Lower Upper
43 100
61 20.0 16.0 24.0

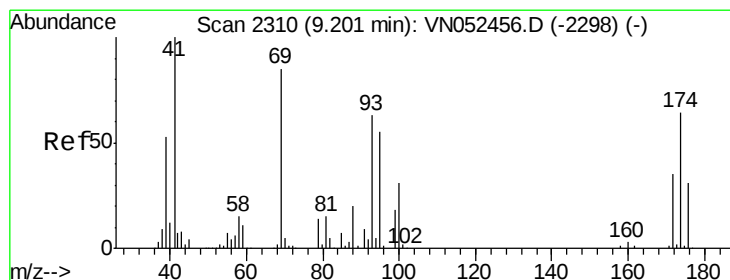
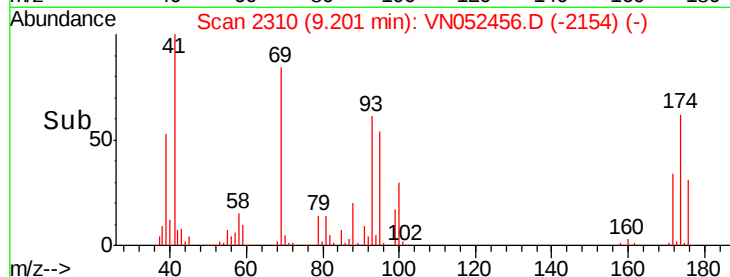
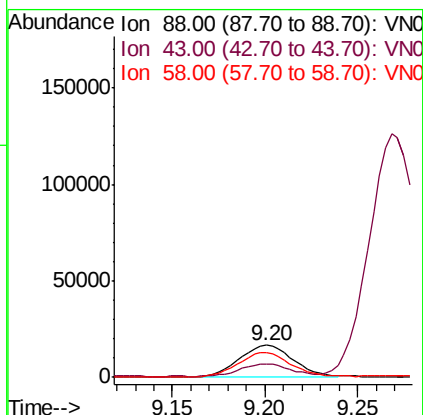
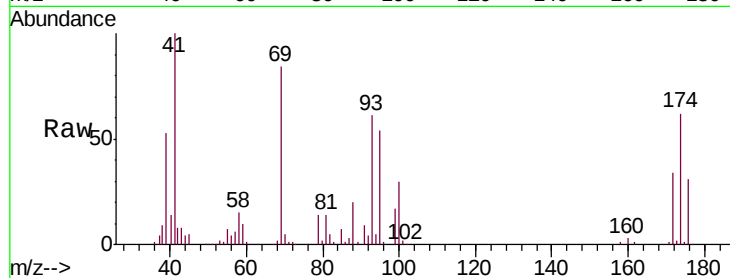




#45
 1,4-Dioxane
 Concen: 409.647 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

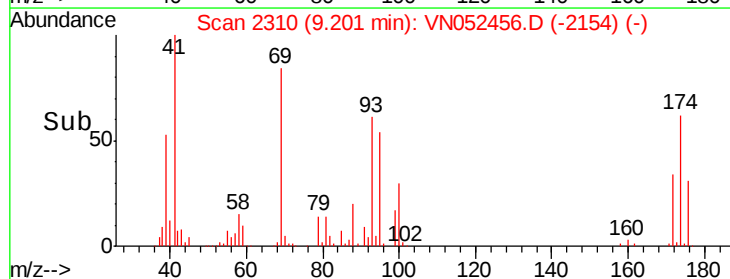
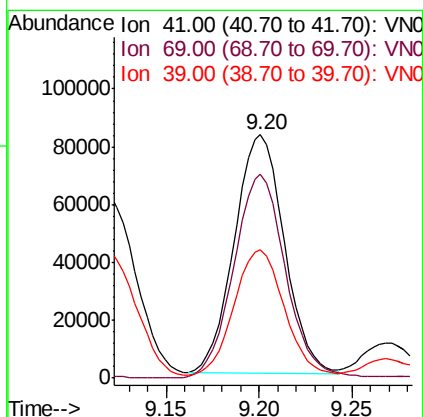
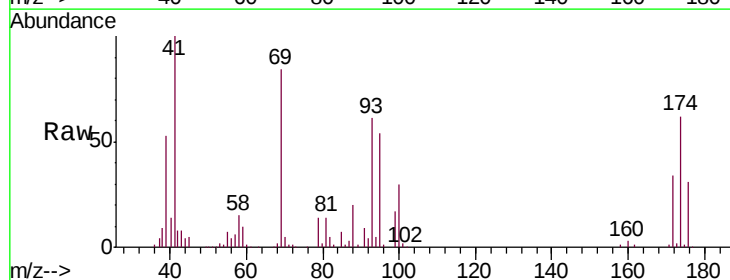
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

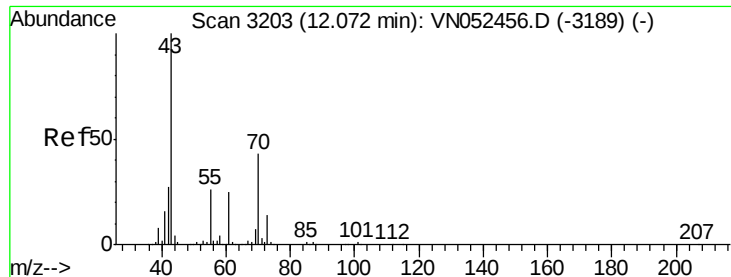
Tgt Ion: 88 Resp: 34152
 Ion Ratio Lower Upper
 88 100
 43 36.9 29.5 44.3
 58 76.9 61.5 92.3



#46
 Methyl methacrylate
 Concen: 19.663 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion: 41 Resp: 155582
 Ion Ratio Lower Upper
 41 100
 69 85.1 42.5 127.6
 39 52.6 26.3 78.9





#47

n-amy1 Acetate

Concen: 18.846 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

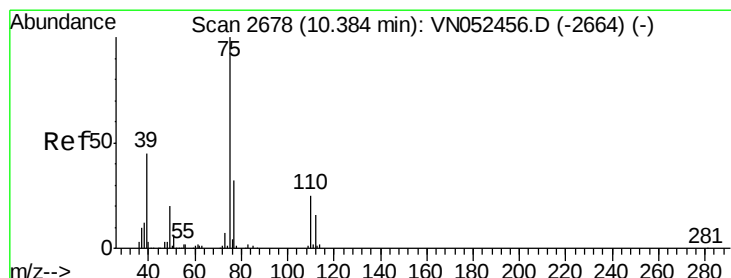
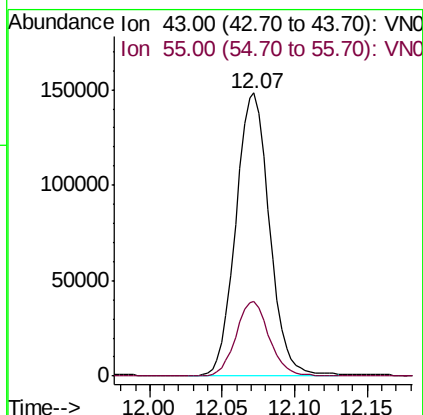
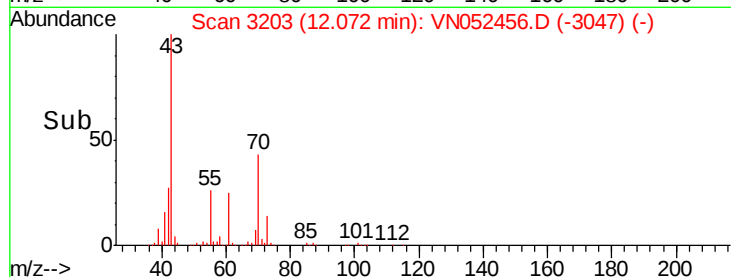
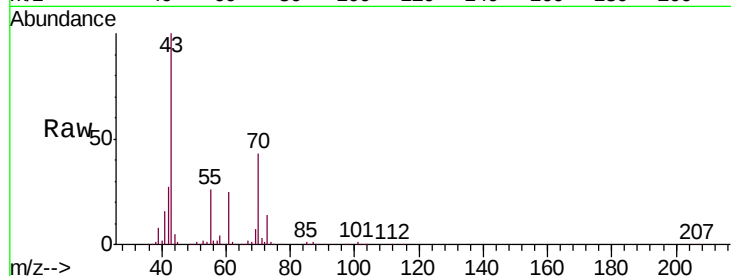
VSTDICCC020

Tgt Ion: 43 Resp: 238123

Ion Ratio Lower Upper

43 100

55 26.4 21.1 31.7



#48

t-1,3-Dichloropropene

Concen: 18.889 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052456.D

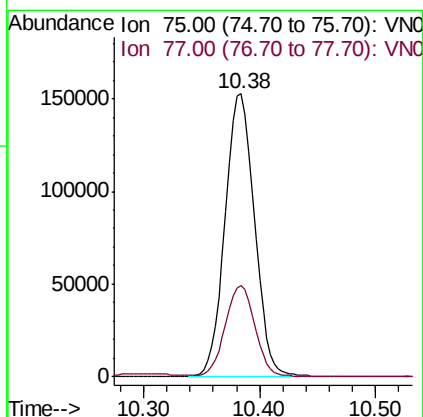
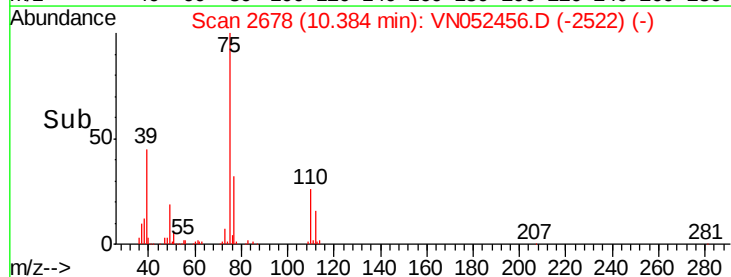
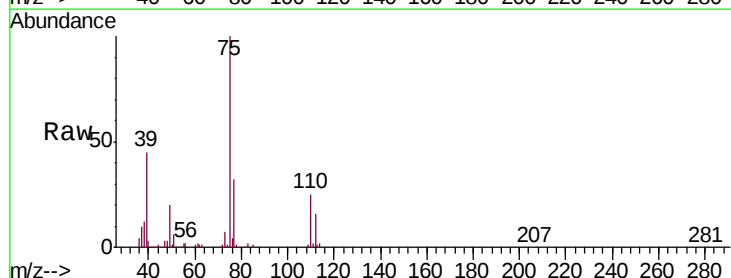
Acq: 26 Nov 2018 13:20

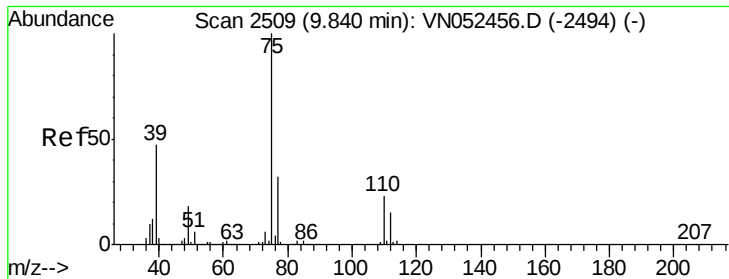
Tgt Ion: 75 Resp: 269135

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 19.531 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

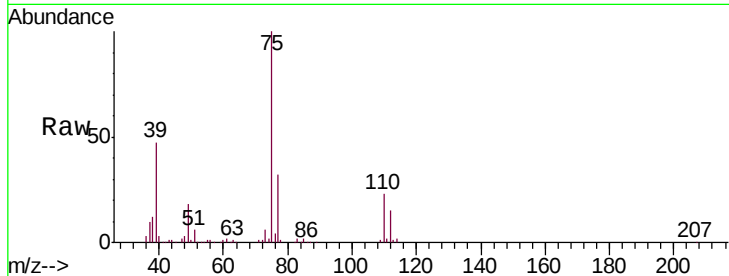
Tgt Ion: 75 Resp: 339039

Ion Ratio Lower Upper

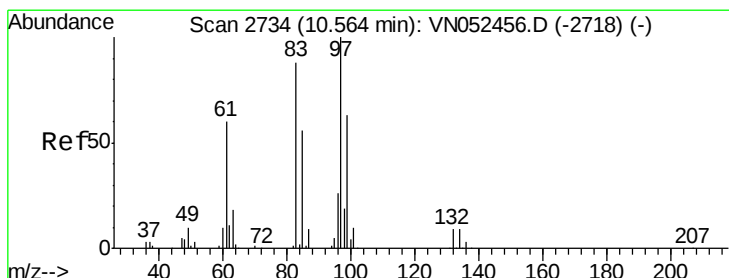
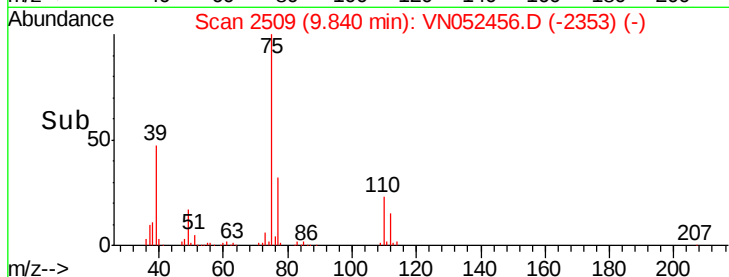
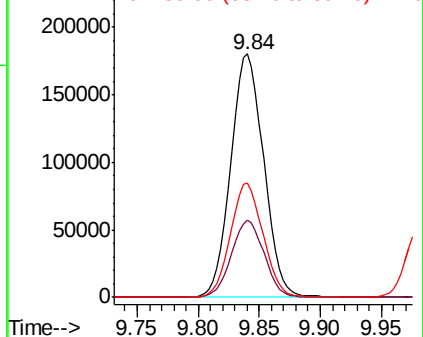
75 100

77 31.7 25.4 38.0

39 46.6 37.3 55.9



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 20.359 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Tgt Ion: 97 Resp: 191943

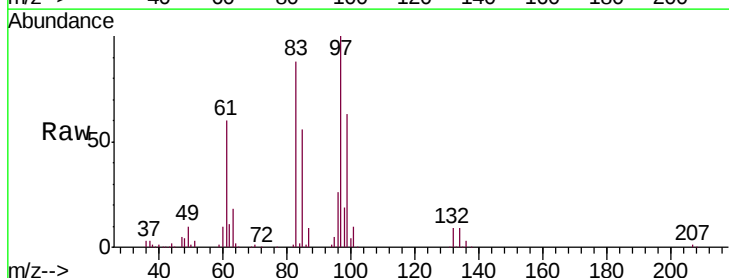
Ion Ratio Lower Upper

97 100

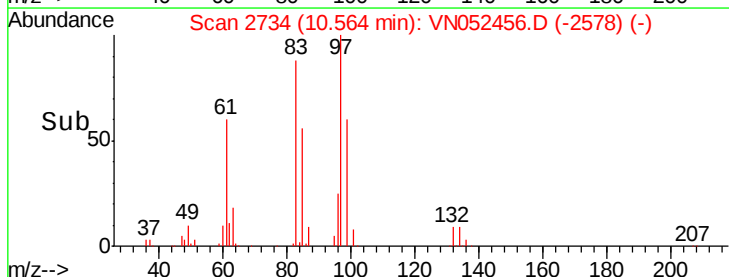
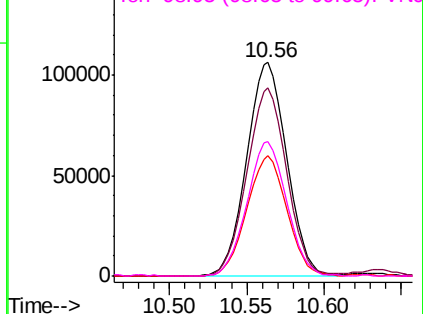
83 88.0 70.4 105.6

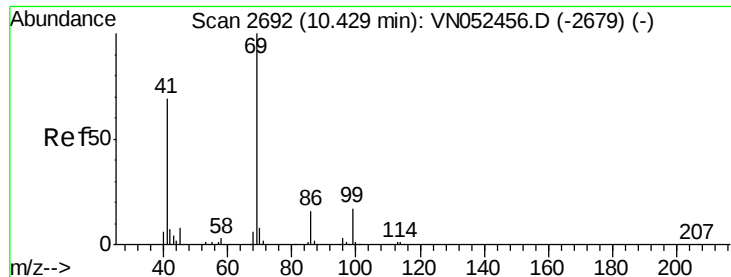
85 56.3 45.0 67.6

99 62.7 50.2 75.2



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.187 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

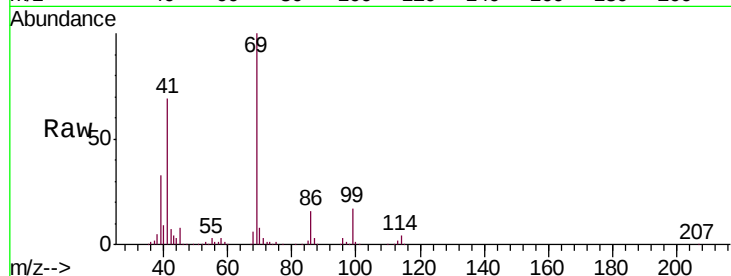
Tgt Ion: 69 Resp: 227194

Ion Ratio Lower Upper

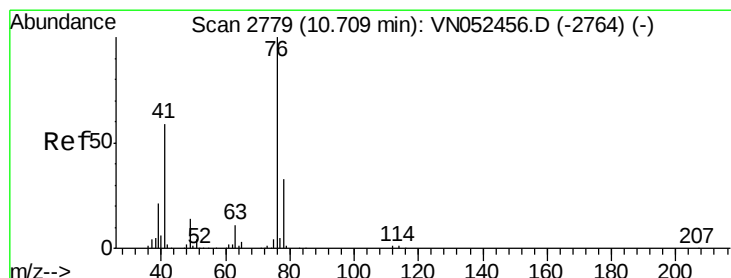
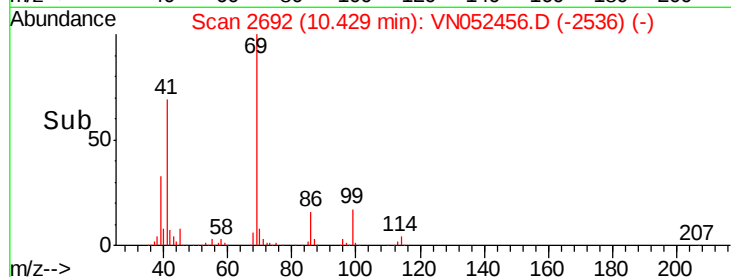
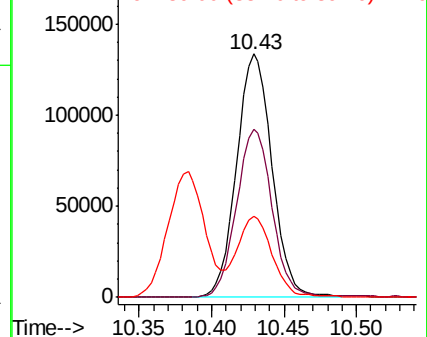
69 100

41 68.9 34.4 103.3

39 32.8 16.4 49.2



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



#52

1,3-Dichloropropane

Concen: 20.083 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052456.D

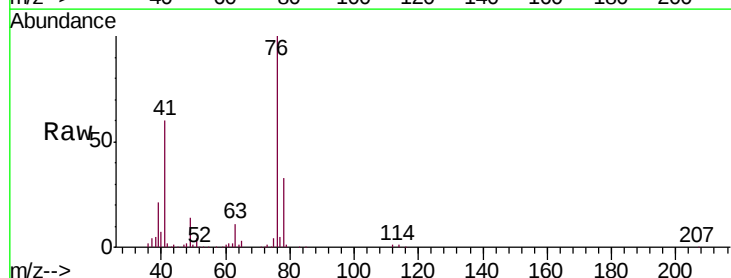
Acq: 26 Nov 2018 13:20

Tgt Ion: 76 Resp: 337016

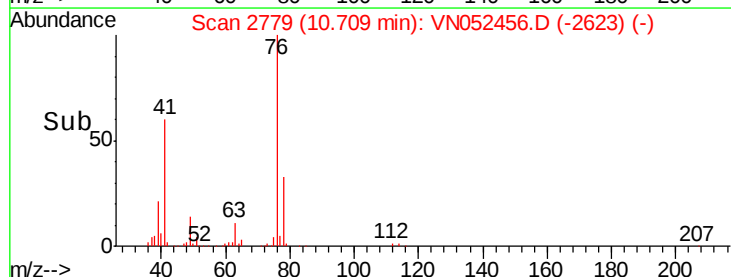
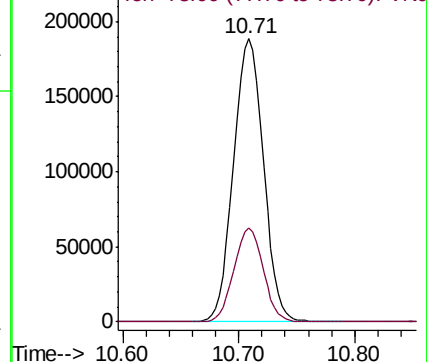
Ion Ratio Lower Upper

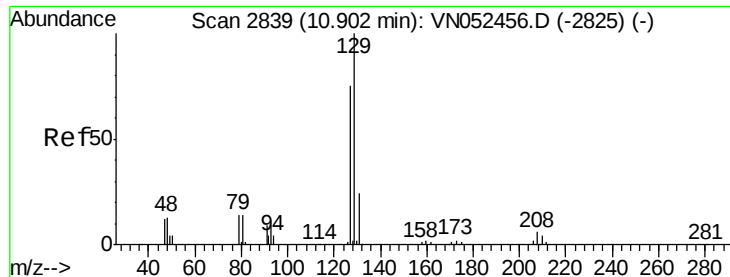
76 100

78 32.4 0.0 64.8



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





#53

Dibromochloromethane

Concen: 19.833 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

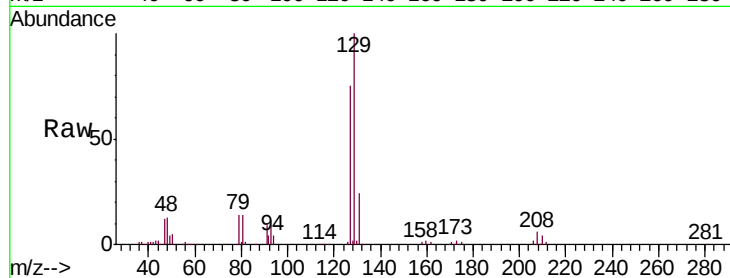
VSTDICCC020

Tgt Ion:129 Resp: 205862

Ion Ratio Lower Upper

129 100

127 75.2 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

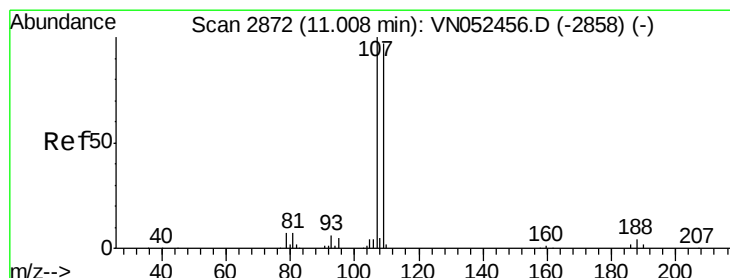
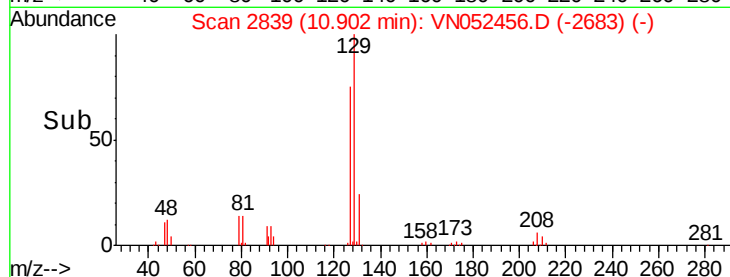
10.90

100000

50000

0

Time--> 10.80 10.90 11.00



#54

1,2-Dibromoethane

Concen: 19.808 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052456.D

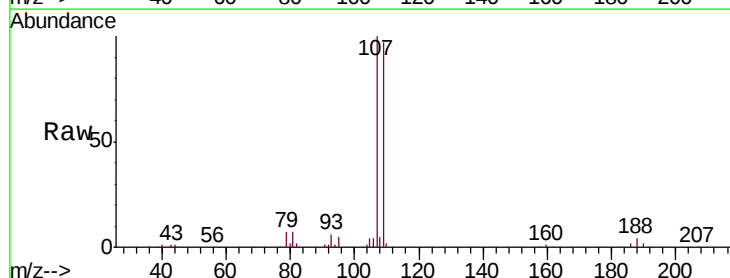
Acq: 26 Nov 2018 13:20

Tgt Ion:107 Resp: 182486

Ion Ratio Lower Upper

107 100

109 96.4 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

120000

100000

80000

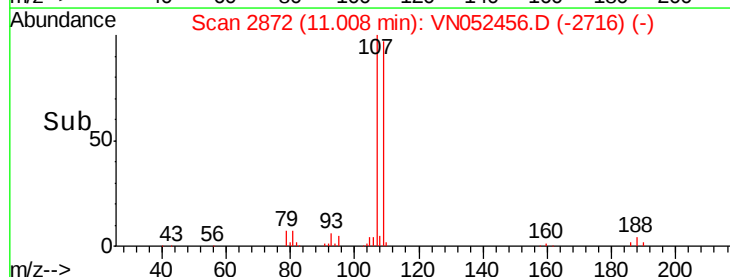
60000

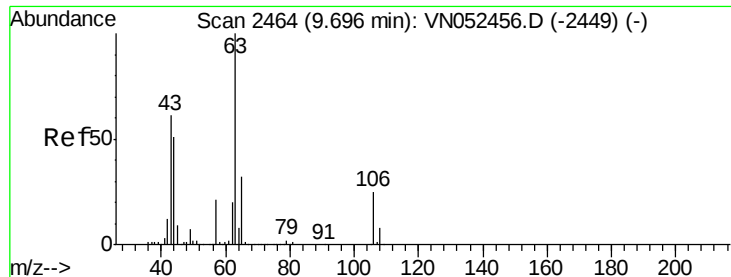
40000

20000

0

Time--> 11.00 11.10

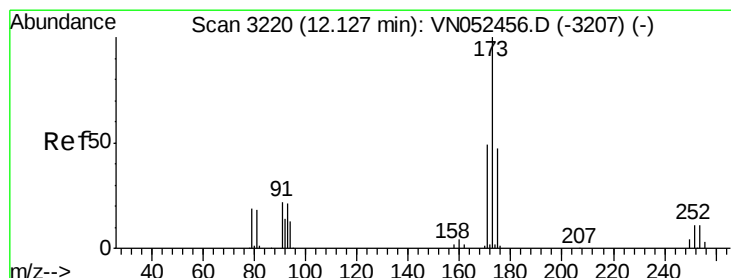
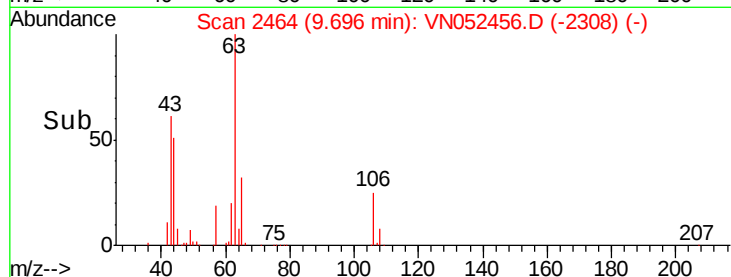
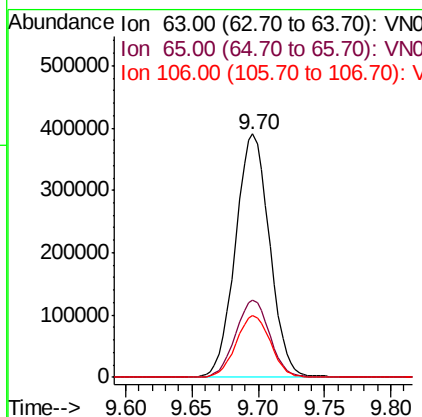
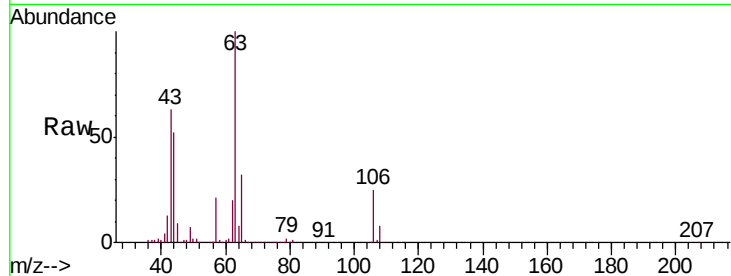




#55
 2-Chloroethyl vinyl ether
 Concen: 101.032 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

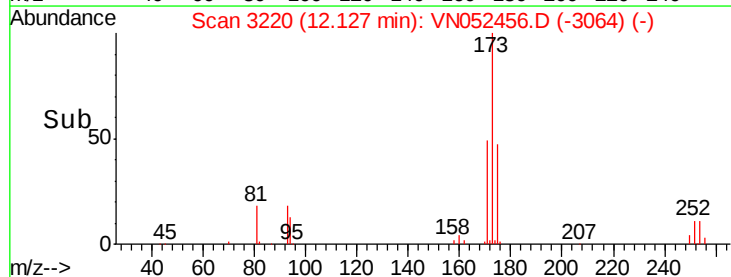
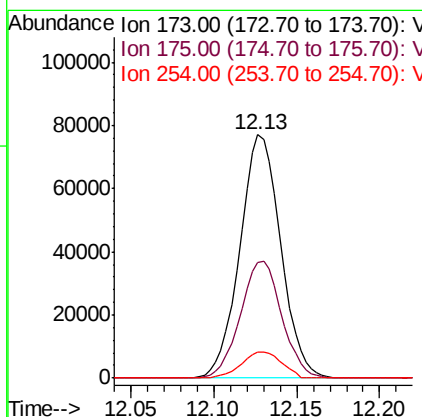
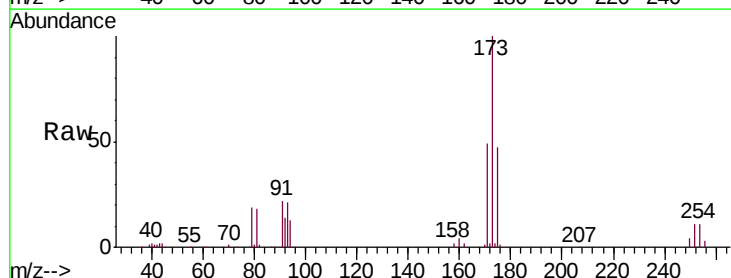
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

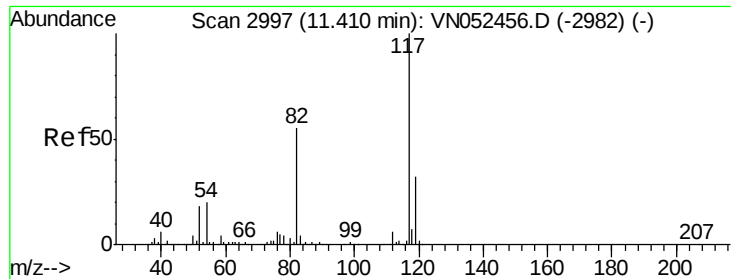
Tgt Ion: 63 Resp: 700257
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.4 38.2
 106 25.5 20.4 30.6



#56
 Bromoform
 Concen: 19.453 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion: 173 Resp: 131980
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.7 58.1
 254 10.5 8.4 12.6

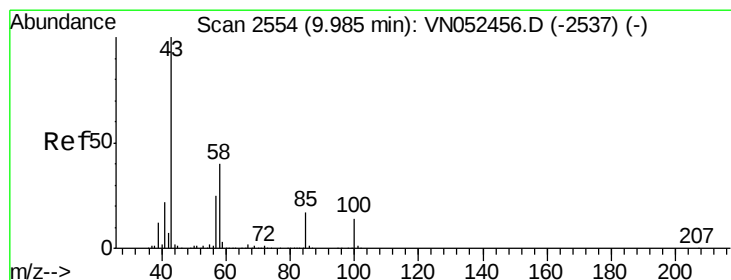
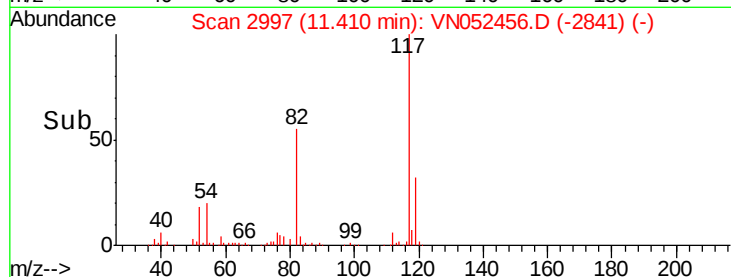
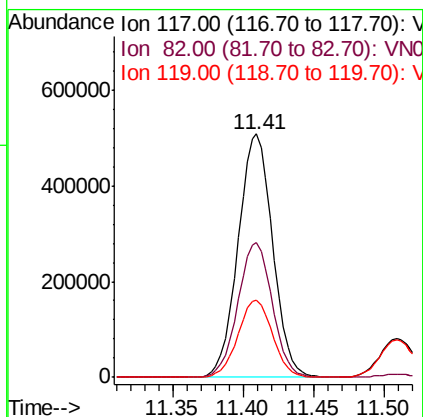
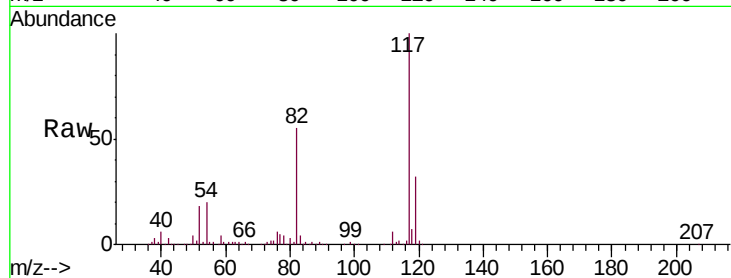




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

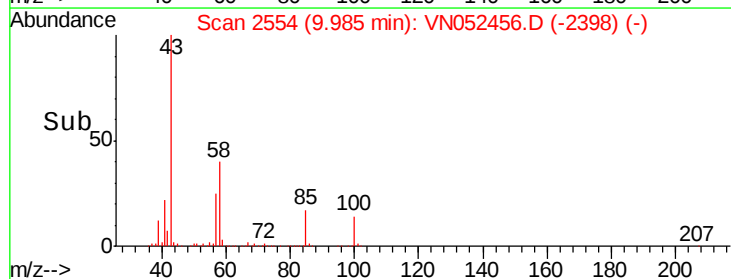
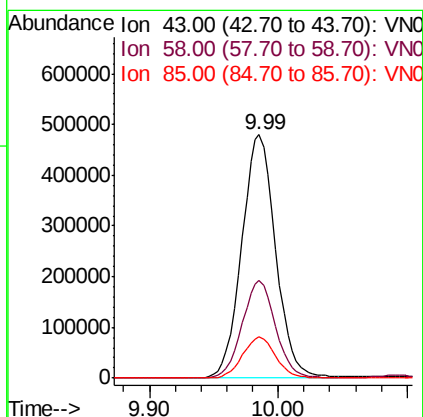
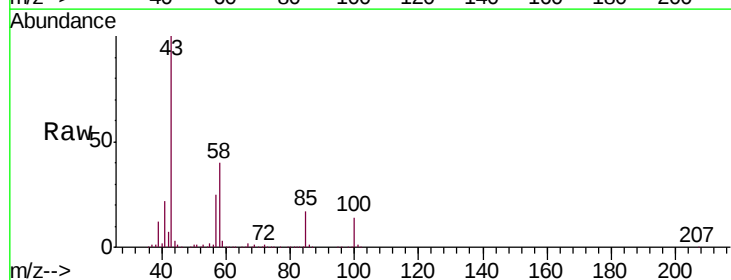
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

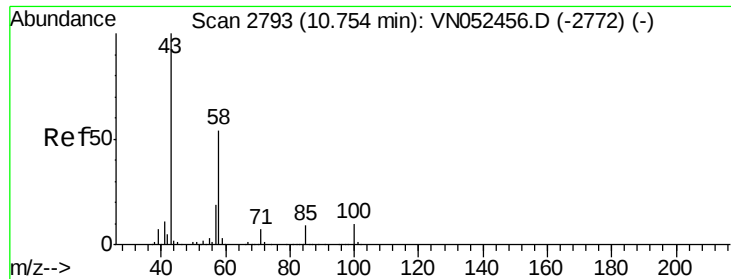
Tgt Ion: 117 Resp: 874149
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.8 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 103.279 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Tgt Ion: 43 Resp: 875252
Ion Ratio Lower Upper
43 100
58 39.5 31.6 47.4
85 16.6 13.3 19.9

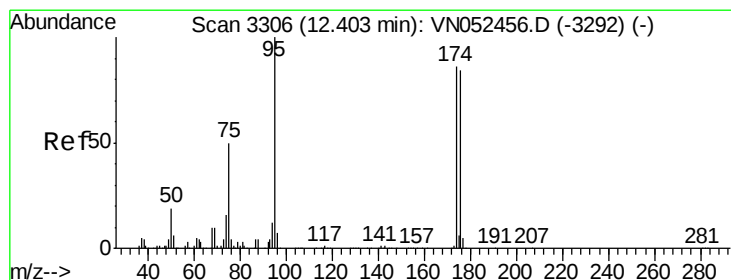
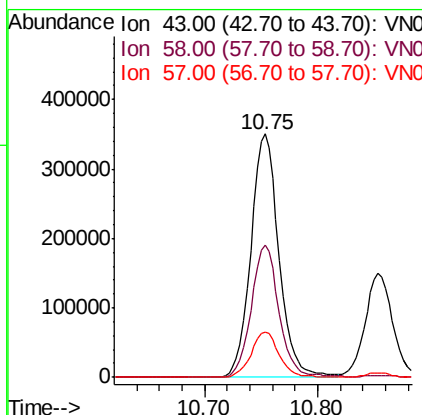
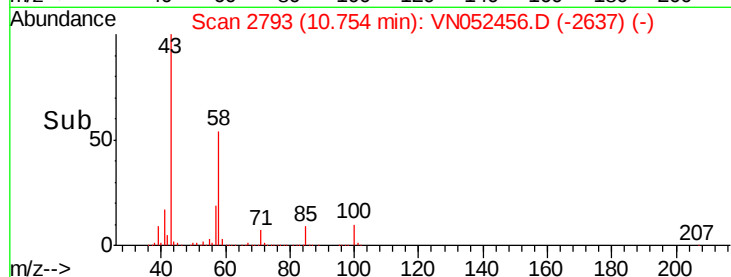
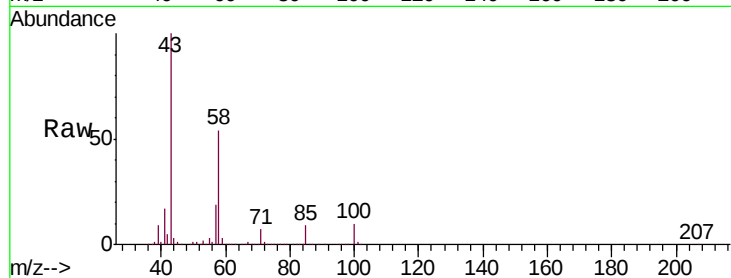




#59
2-Hexanone
Concen: 103.920 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

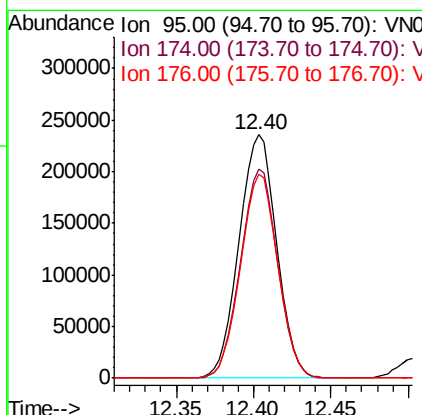
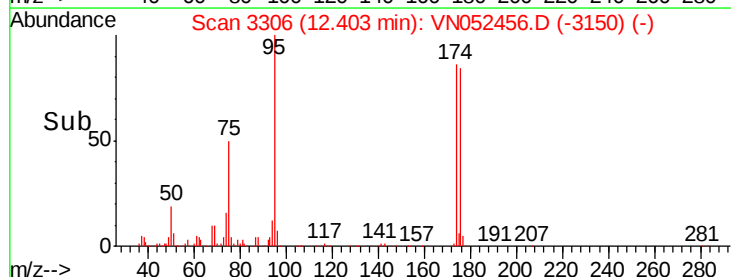
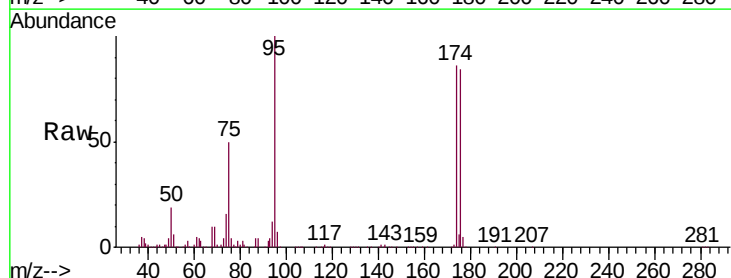
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

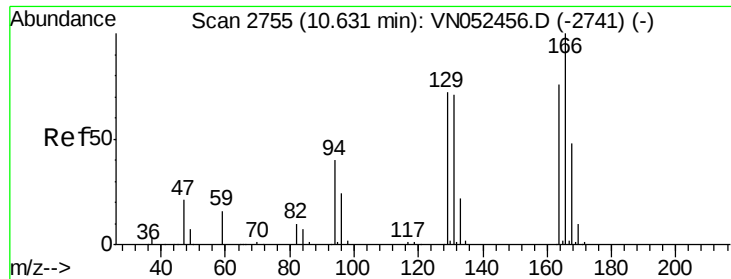
Tgt Ion: 43 Resp: 601610
Ion Ratio Lower Upper
43 100
58 54.0 43.2 64.8
57 18.6 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 103.920 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Tgt Ion: 95 Resp: 399868
Ion Ratio Lower Upper
95 100
174 84.9 67.9 101.9
176 83.0 66.4 99.6

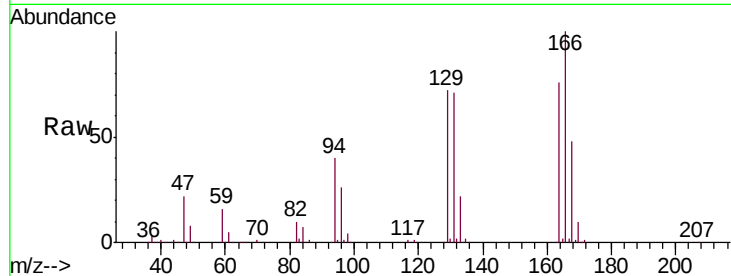




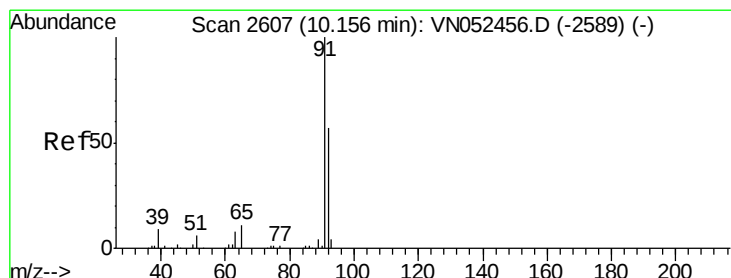
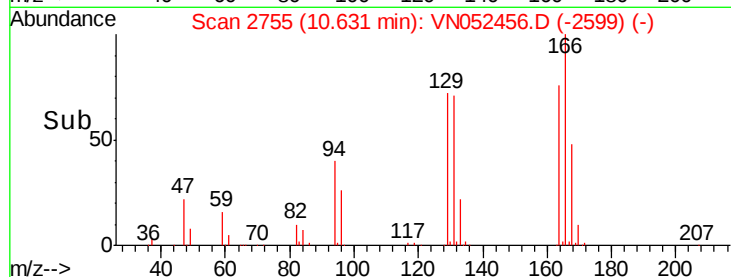
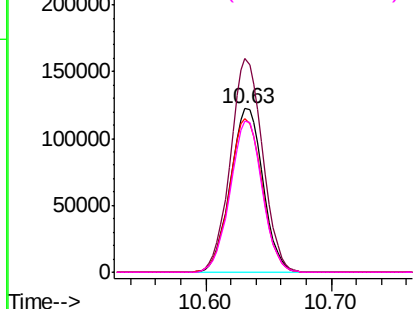
#61
Tetrachloroethene
Concen: 20.547 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:164 Resp: 221218
Ion Ratio Lower Upper
164 100
166 130.8 104.6 157.0
129 94.1 75.3 112.9
131 92.9 74.3 111.5

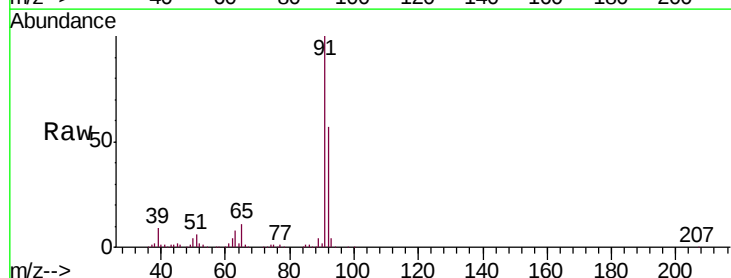


Abundance Ion 163.85 (163.55 to 164.55): V
250000
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

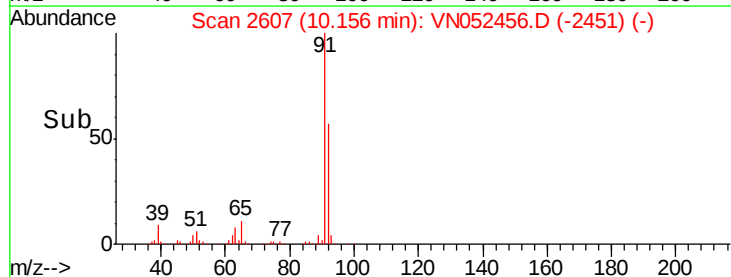
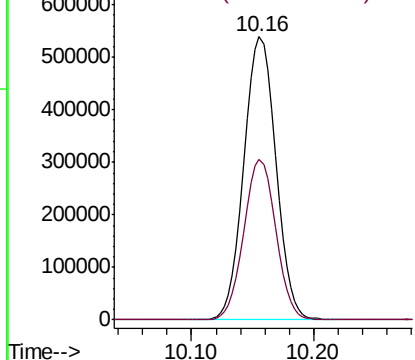


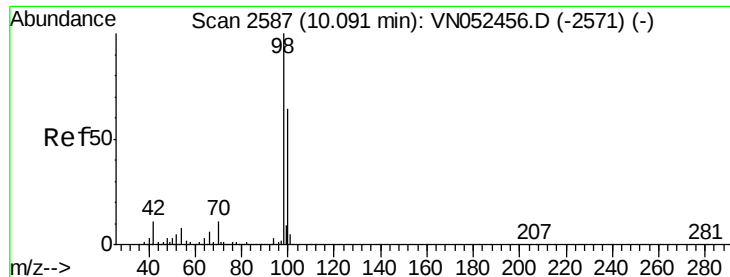
#62
Toluene
Concen: 20.255 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Tgt Ion: 91 Resp: 976075
Ion Ratio Lower Upper
91 100
92 56.8 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: 20.255 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

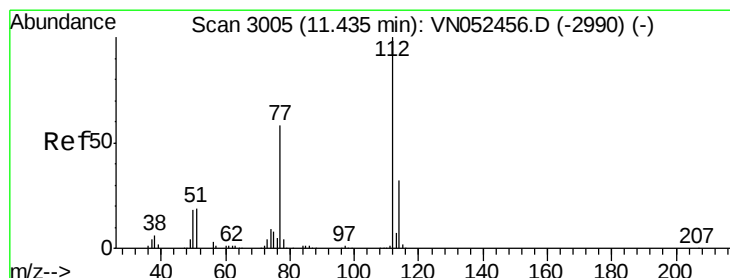
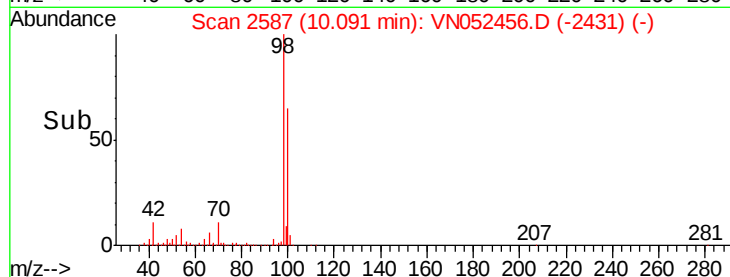
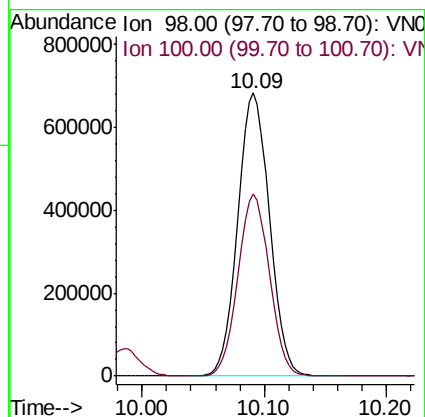
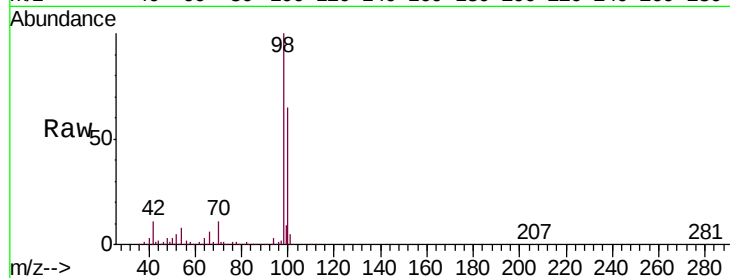
VSTDICCC020

Tgt Ion: 98 Resp: 1230565

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#64

Chlorobenzene

Concen: 19.978 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052456.D

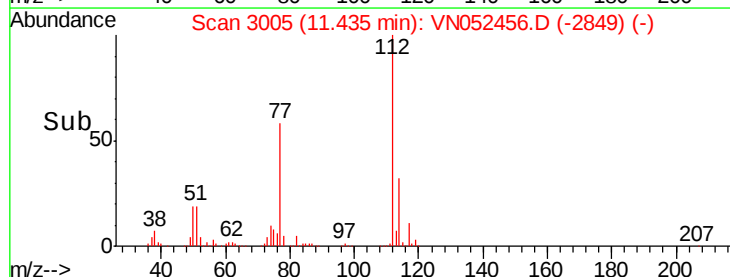
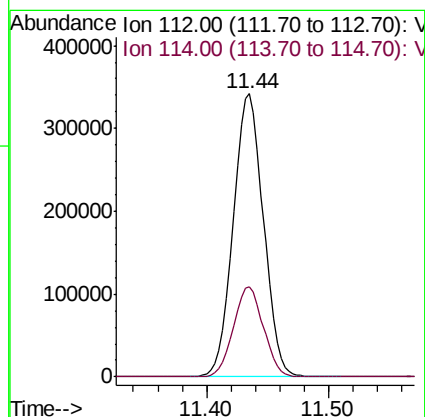
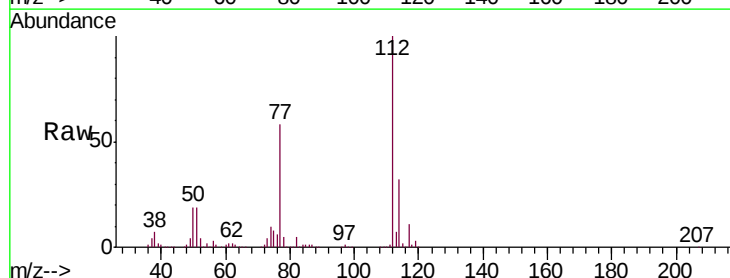
Acq: 26 Nov 2018 13:20

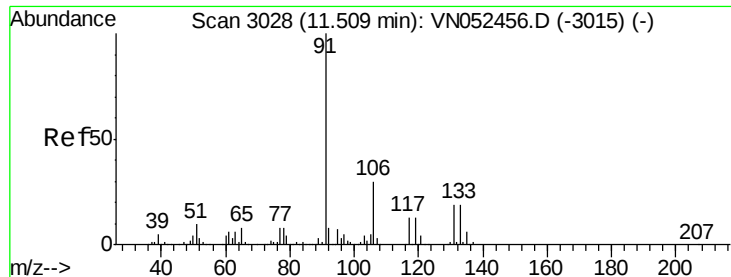
Tgt Ion: 112 Resp: 587610

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.716 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

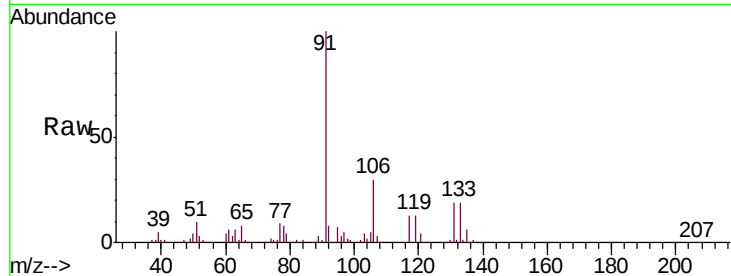
Tgt Ion:131 Resp: 201288

Ion Ratio Lower Upper

131 100

133 96.7 0.0 193.4

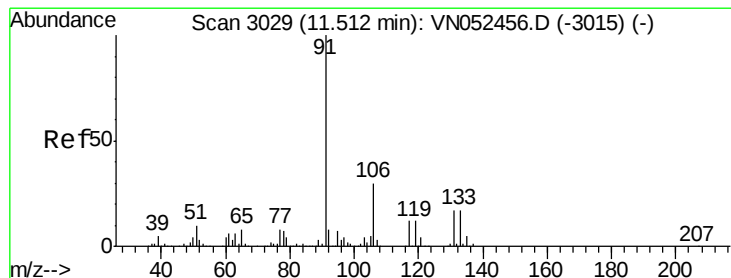
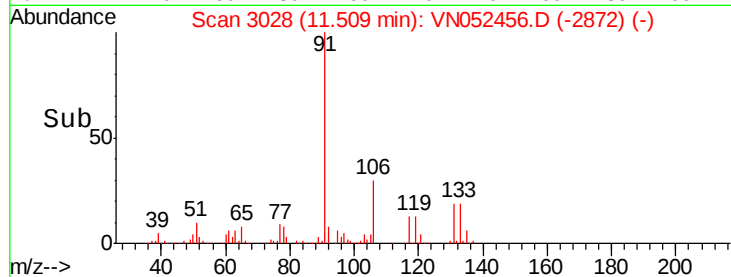
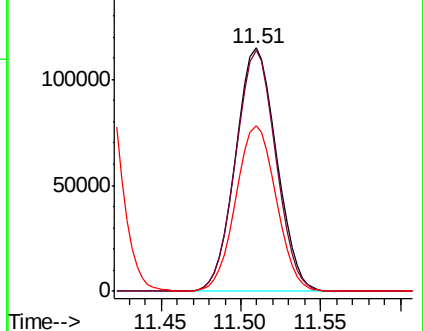
119 66.5 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.056 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052456.D

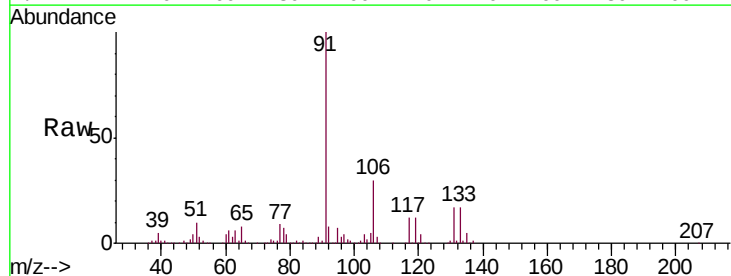
Acq: 26 Nov 2018 13:20

Tgt Ion: 91 Resp: 1041645

Ion Ratio Lower Upper

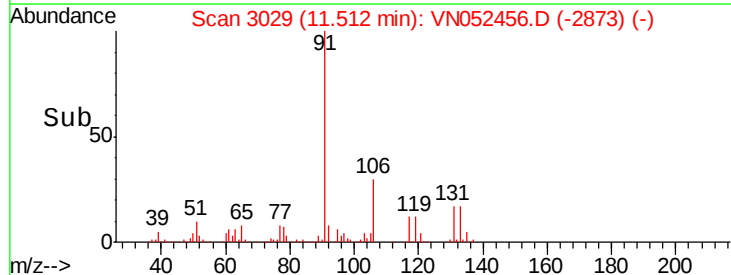
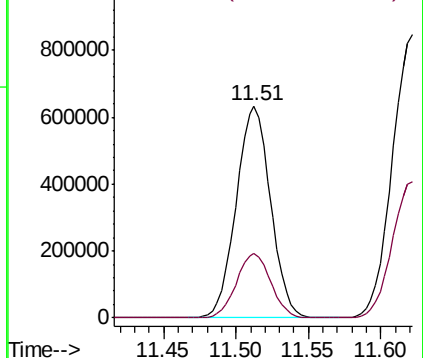
91 100

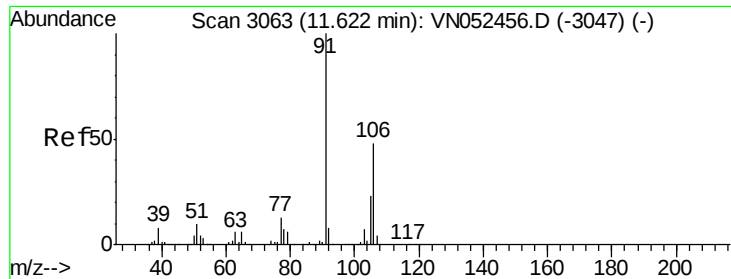
106 30.4 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.543 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

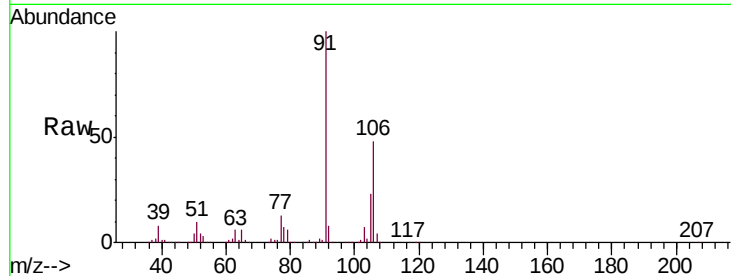
VSTDICCC020

Tgt Ion:106 Resp: 784477

Ion Ratio Lower Upper

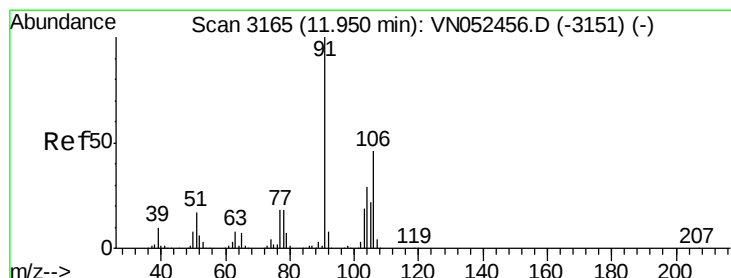
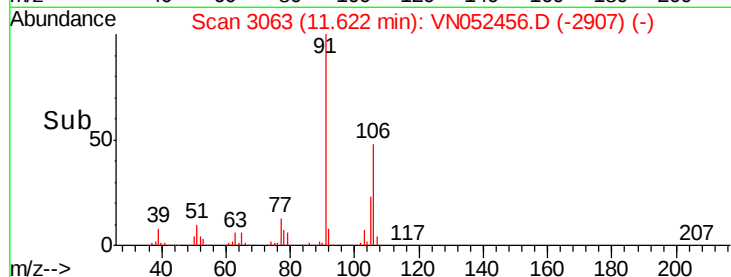
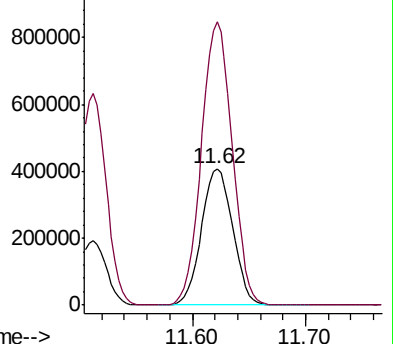
106 100

91 204.9 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.074 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052456.D

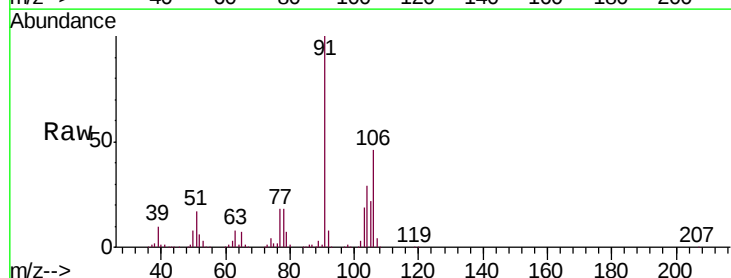
Acq: 26 Nov 2018 13:20

Tgt Ion:106 Resp: 376998

Ion Ratio Lower Upper

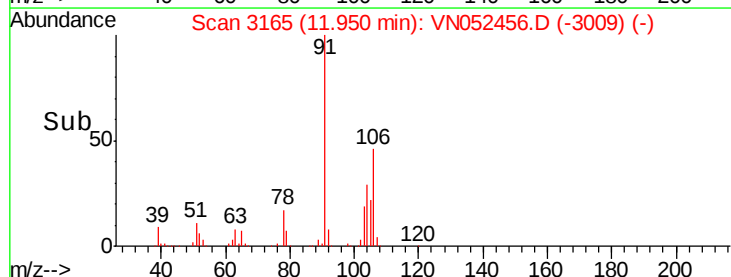
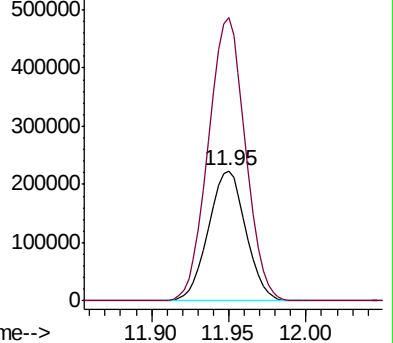
106 100

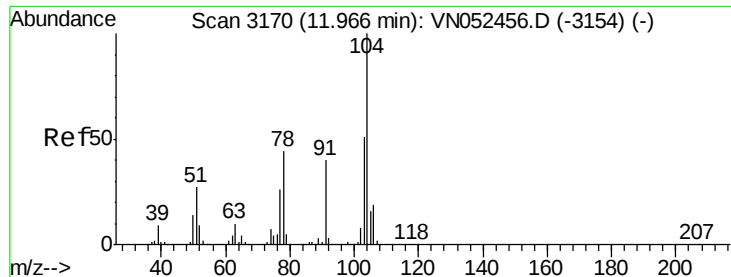
91 215.6 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

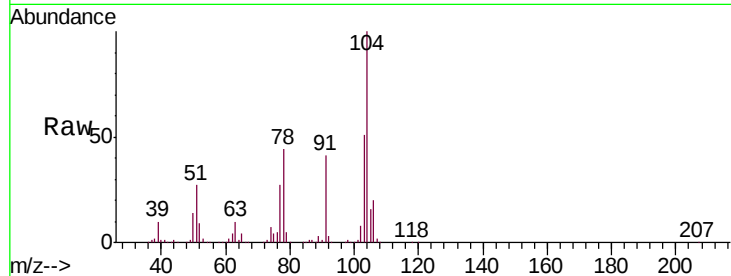




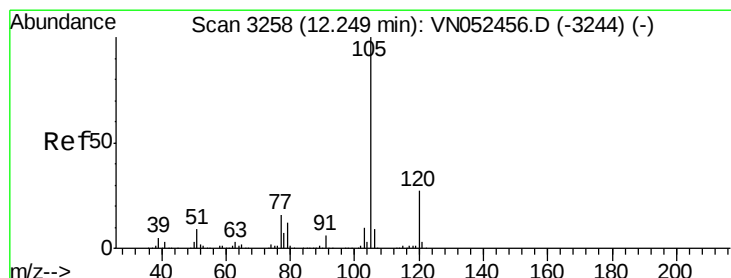
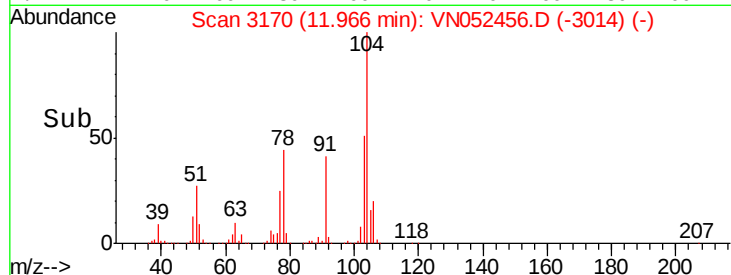
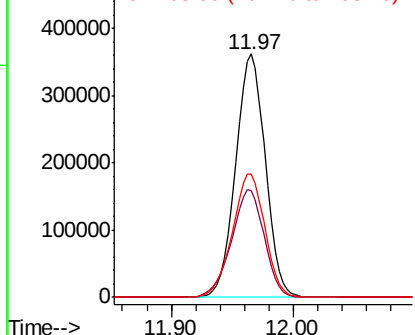
#69
Styrene
Concen: 20.078 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:104 Resp: 608624
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 55.7 44.6 66.8

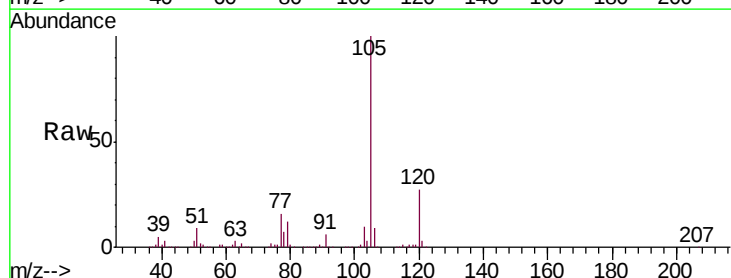


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

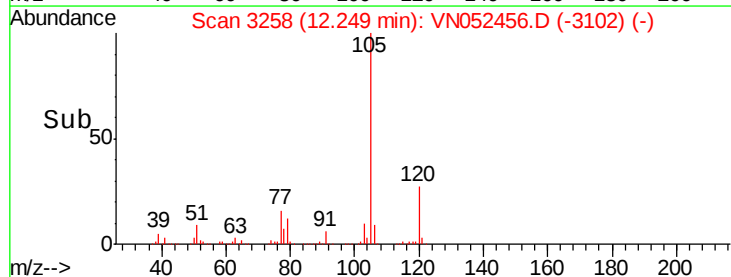
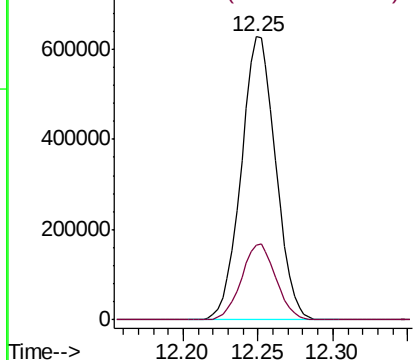


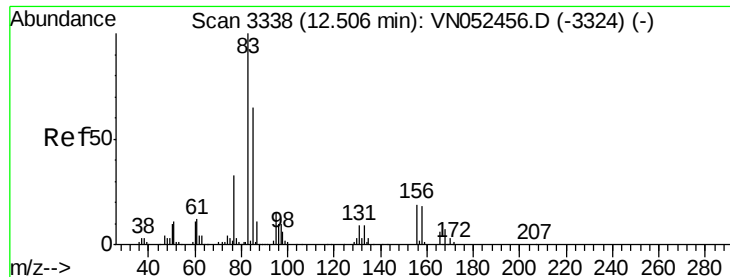
#70
Isopropylbenzene
Concen: 20.142 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Tgt Ion:105 Resp: 1006467
Ion Ratio Lower Upper
105 100
120 26.6 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

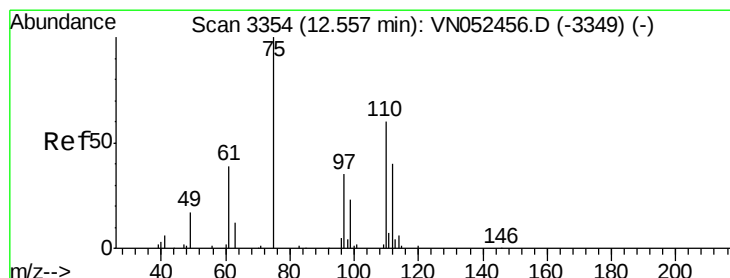
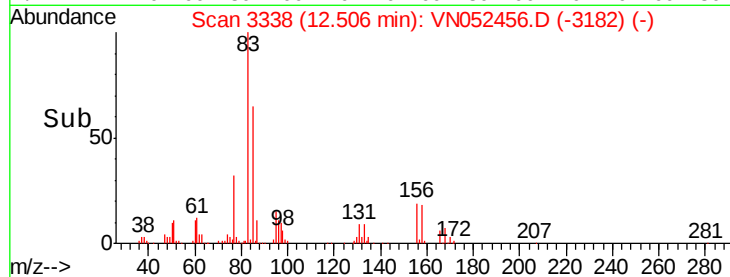
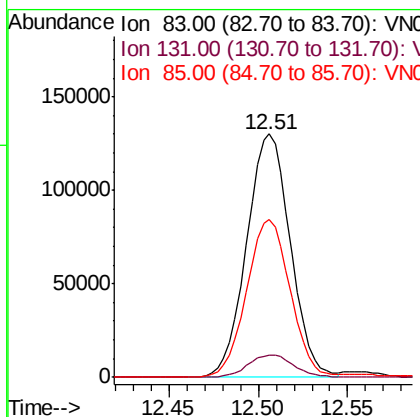
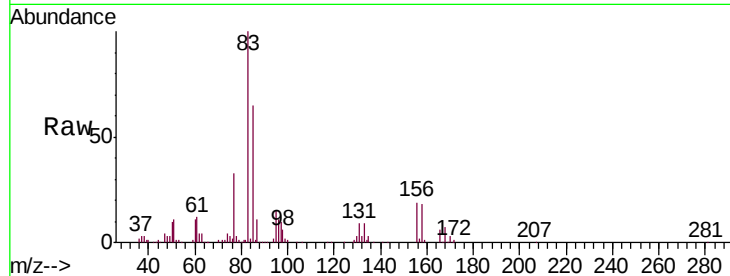




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.515 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

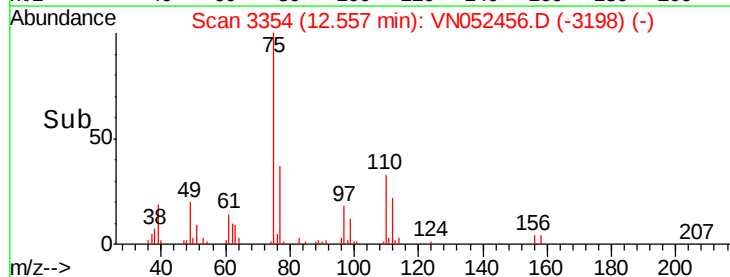
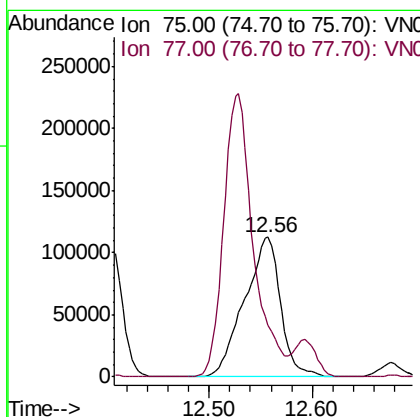
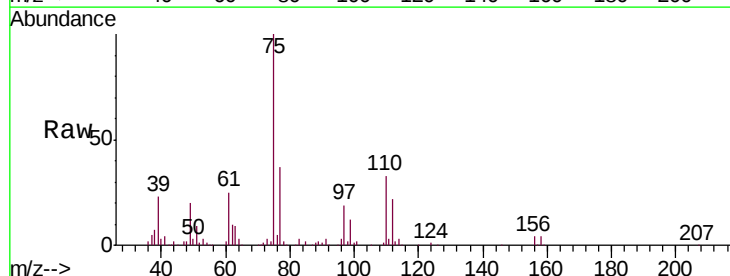
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

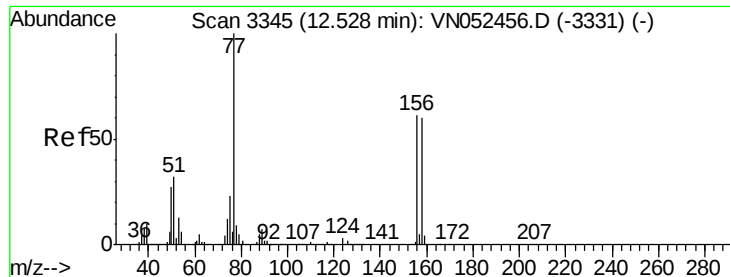
Tgt Ion: 83 Resp: 222989
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.9 14.6
 85 64.4 32.2 96.6



#72
 1,2,3-Trichloropropane
 Concen: 30.150 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion: 75 Resp: 273671
 Ion Ratio Lower Upper
 75 100
 77 167.7 0.0 514.8





#73

Bromobenzene

Concen: 19.842 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

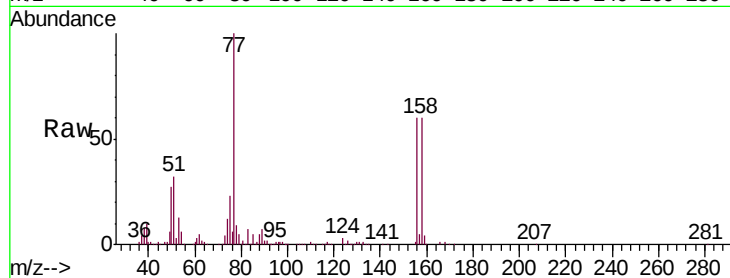
Tgt Ion:156 Resp: 239800

Ion Ratio Lower Upper

156 100

77 191.3 0.0 382.6

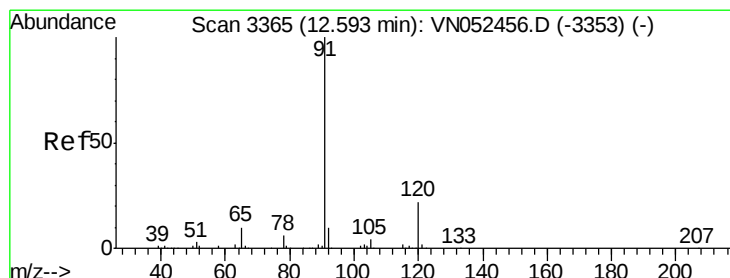
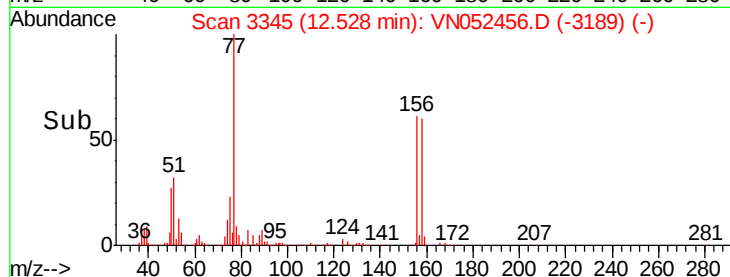
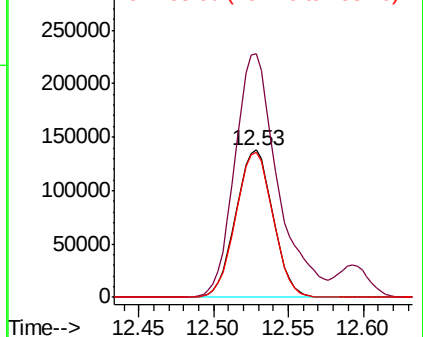
158 98.4 0.0 196.8



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: 20.297 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052456.D

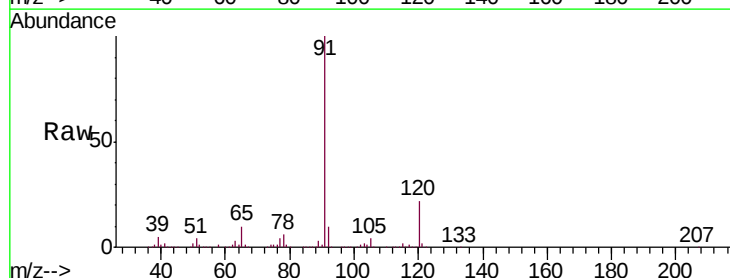
Acq: 26 Nov 2018 13:20

Tgt Ion: 91 Resp: 1181733

Ion Ratio Lower Upper

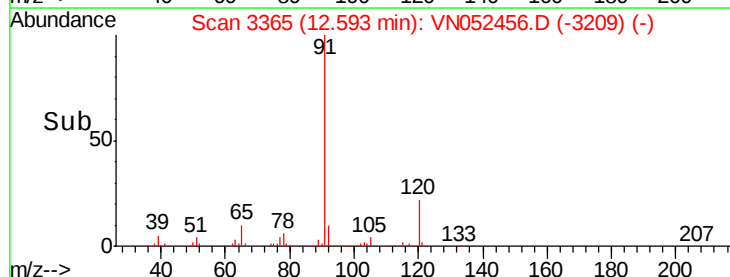
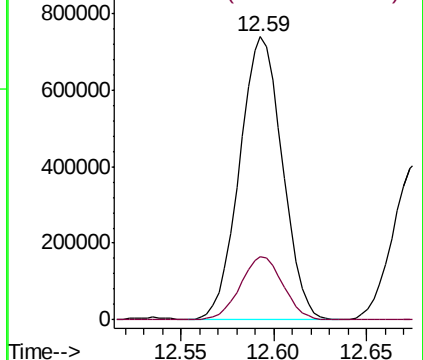
91 100

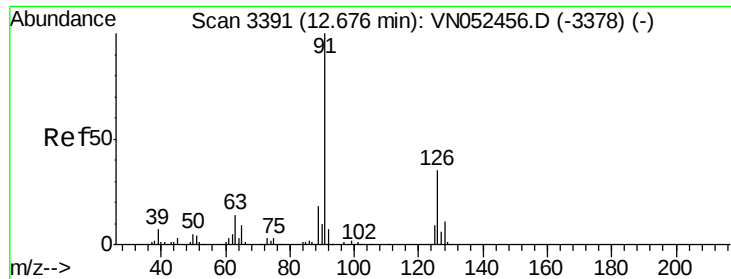
120 22.3 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.286 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

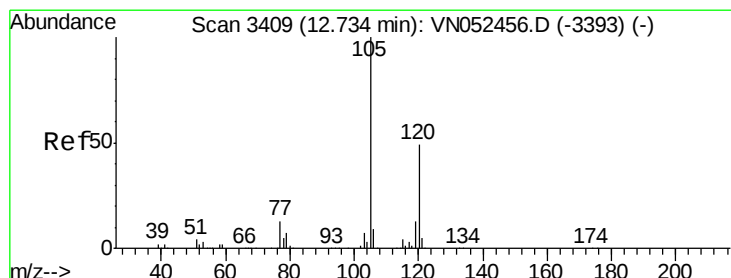
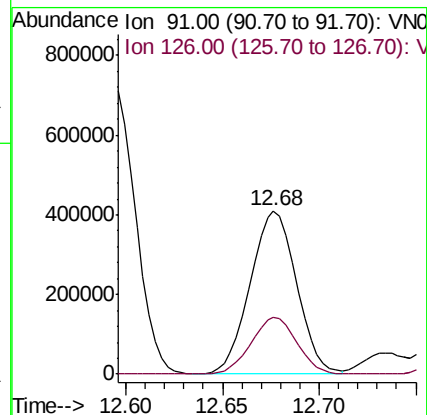
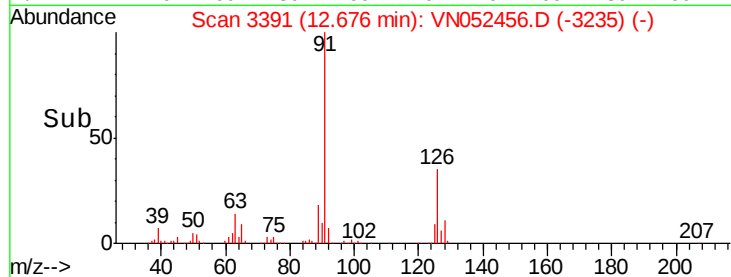
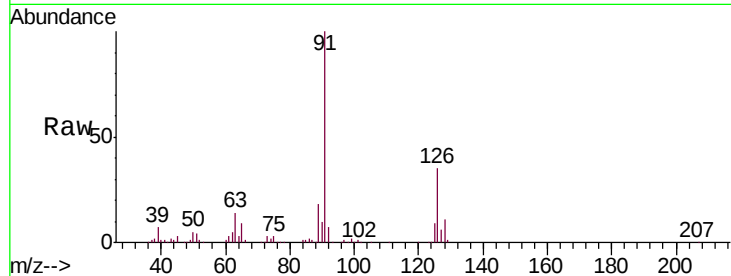
VSTDICCC020

Tgt Ion: 91 Resp: 685561

Ion Ratio Lower Upper

91 100

126 34.2 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 20.362 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052456.D

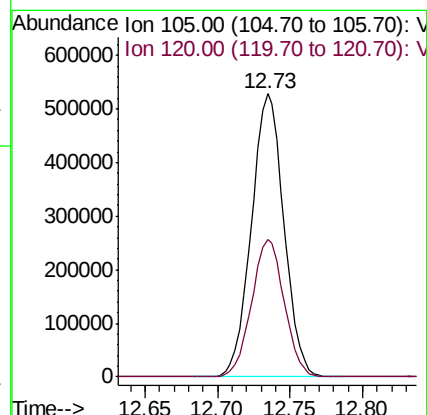
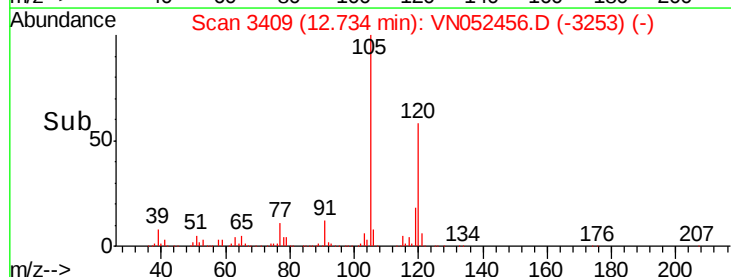
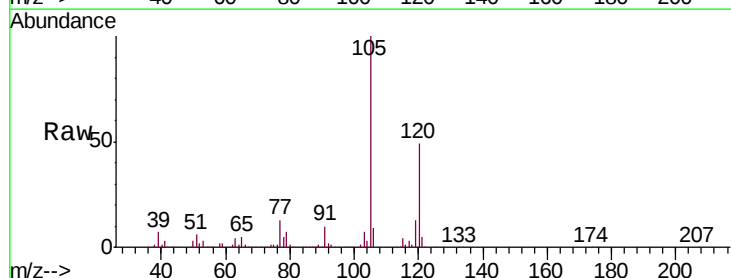
Acq: 26 Nov 2018 13:20

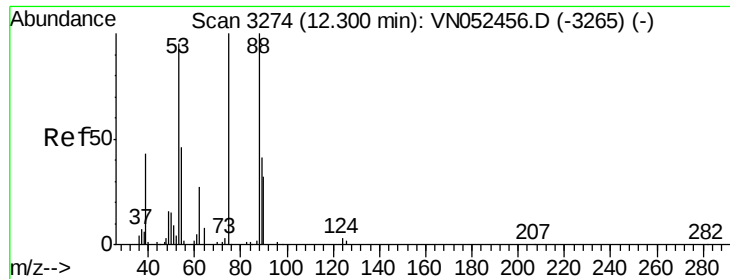
Tgt Ion: 105 Resp: 821831

Ion Ratio Lower Upper

105 100

120 48.7 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 18.923 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

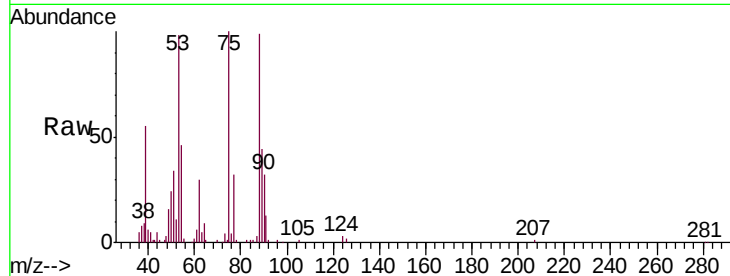
Tgt Ion: 75 Resp: 55777

Ion Ratio Lower Upper

75 100

53 97.1 48.5 145.6

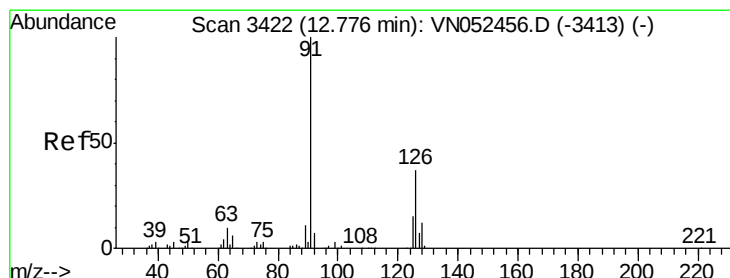
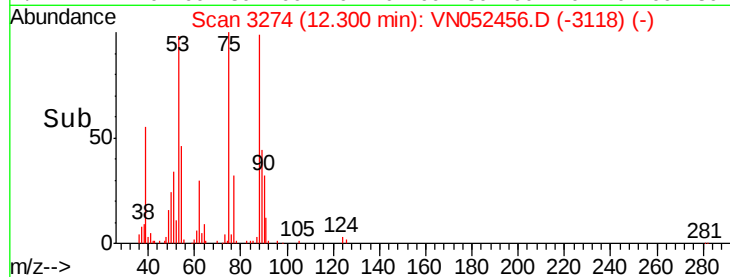
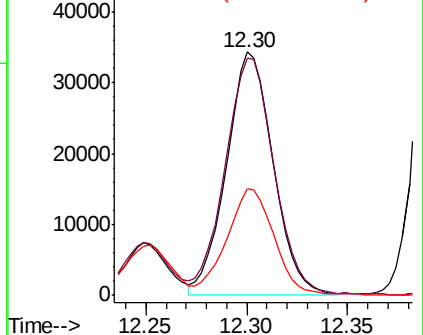
89 43.4 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.148 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN052456.D

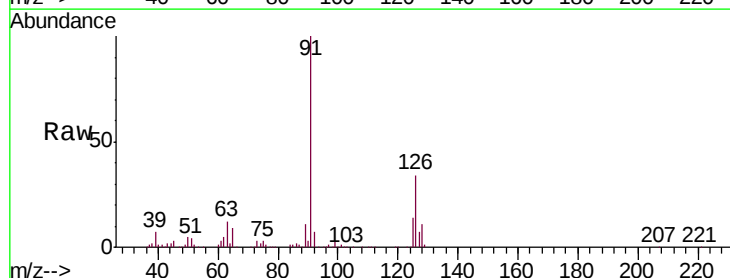
Acq: 26 Nov 2018 13:20

Tgt Ion: 91 Resp: 679943

Ion Ratio Lower Upper

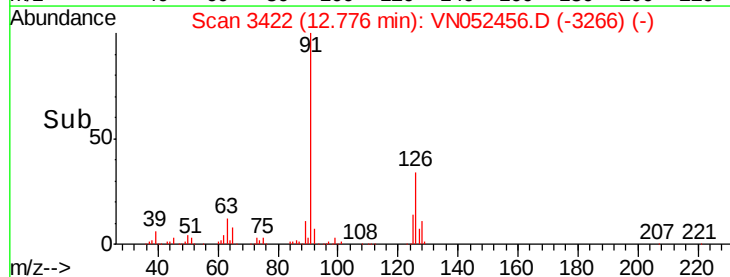
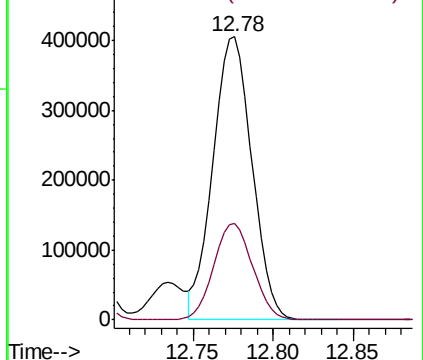
91 100

126 34.1 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

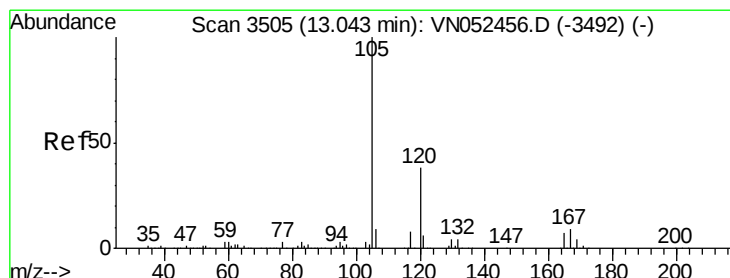
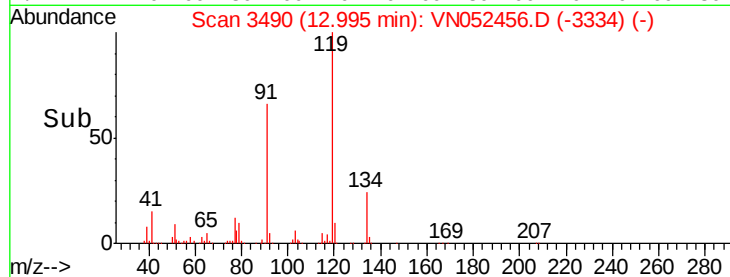
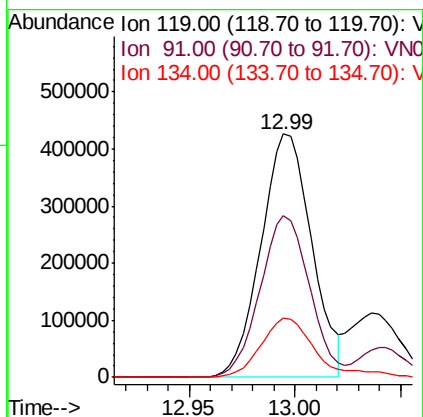
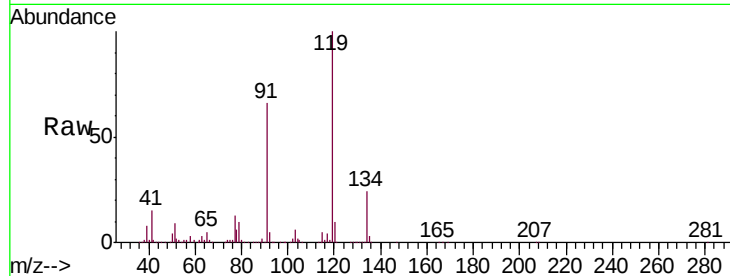




#79
tert-butylbenzene
Concen: 20.366 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

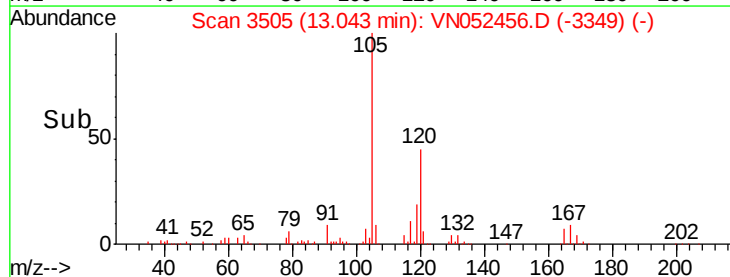
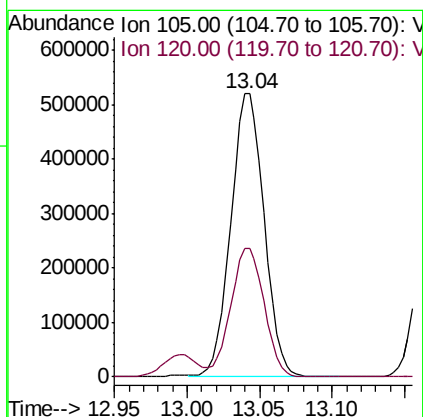
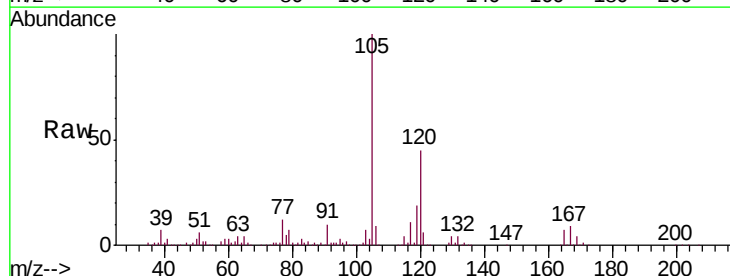
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

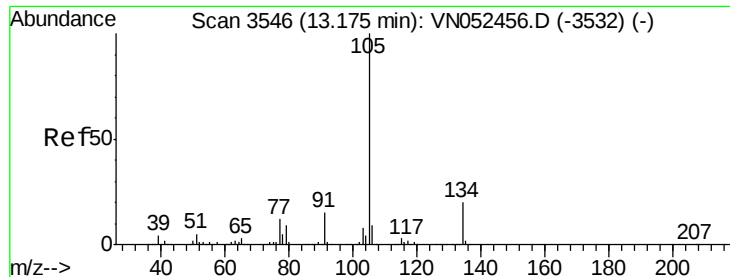
Tgt Ion:119 Resp: 715863
Ion Ratio Lower Upper
119 100
91 64.9 0.0 129.8
134 26.1 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 20.499 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Tgt Ion:105 Resp: 827858
Ion Ratio Lower Upper
105 100
120 45.5 0.0 91.0

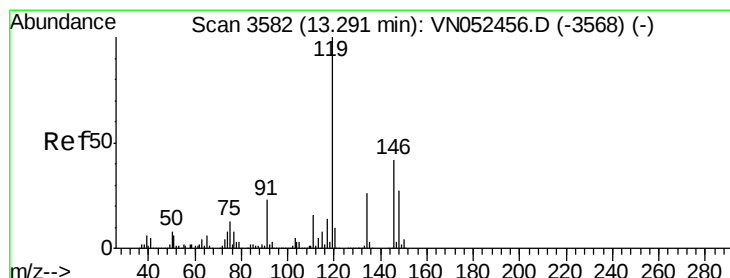
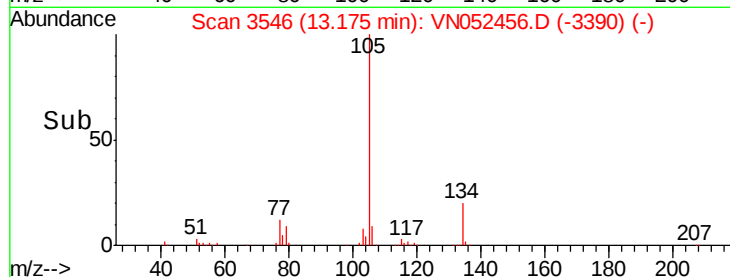
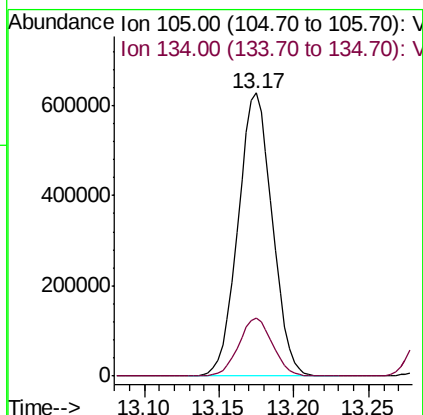
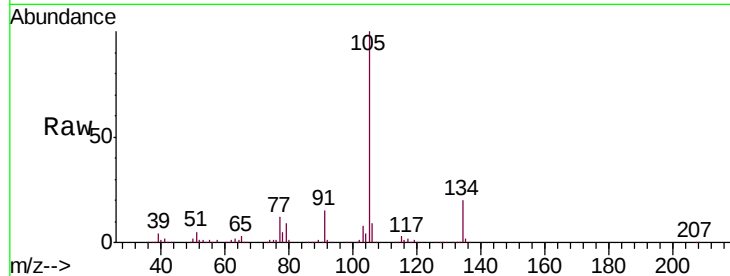




#81
 sec-Butylbenzene
 Concen: 20.302 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

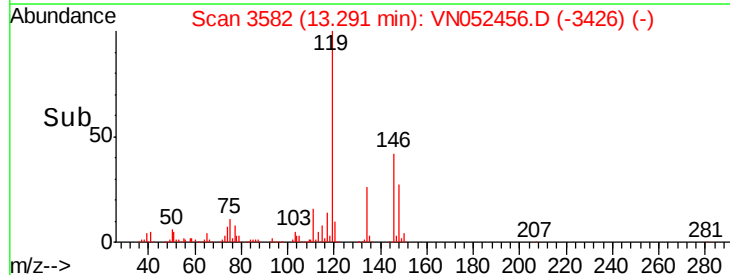
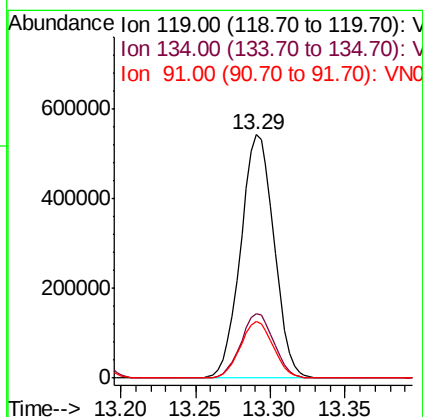
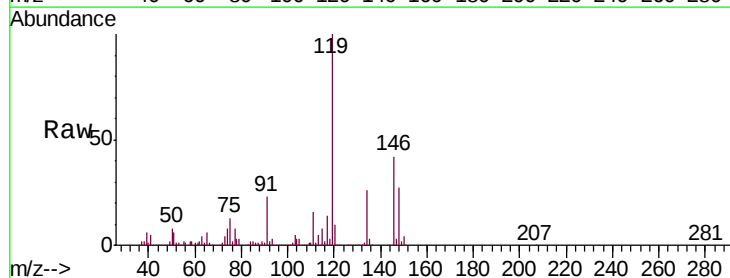
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

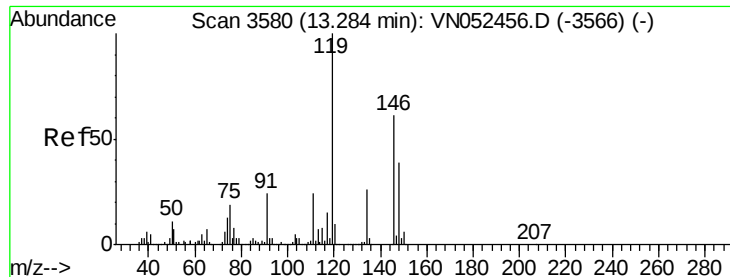
Tgt Ion:105 Resp: 993926
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 20.149 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion:119 Resp: 839978
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 52.6
 91 23.1 0.0 46.2

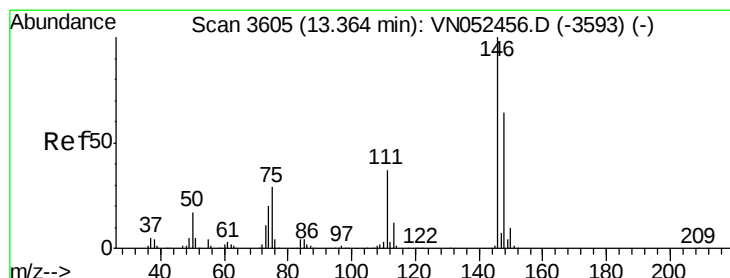
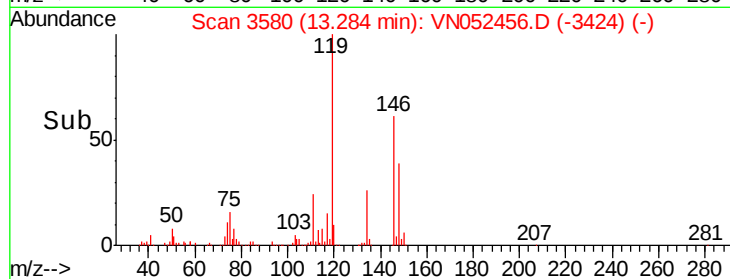
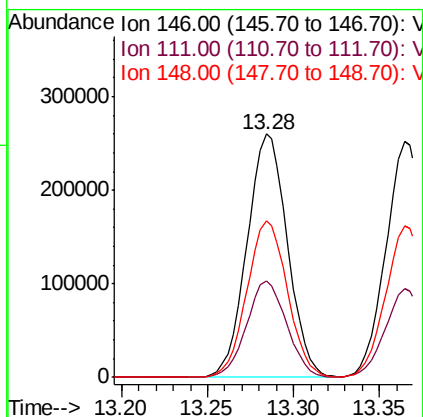
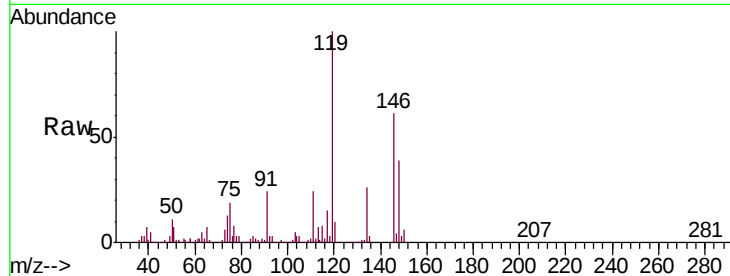




#83
 1,3-Dichlorobenzene
 Concen: 19.953 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

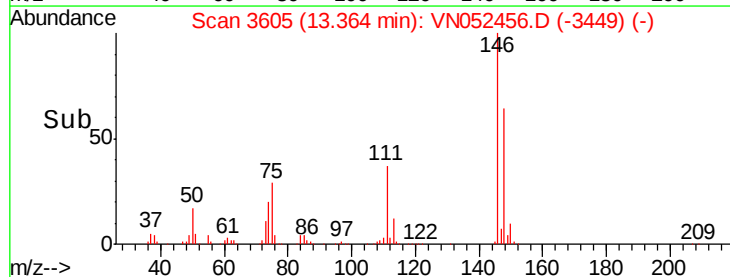
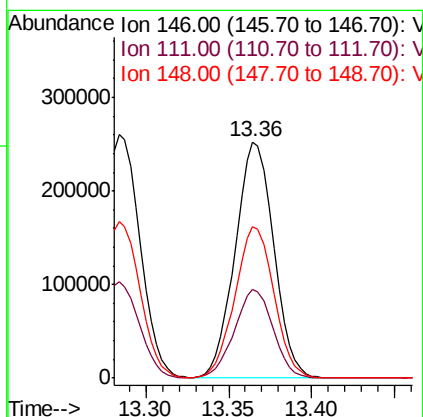
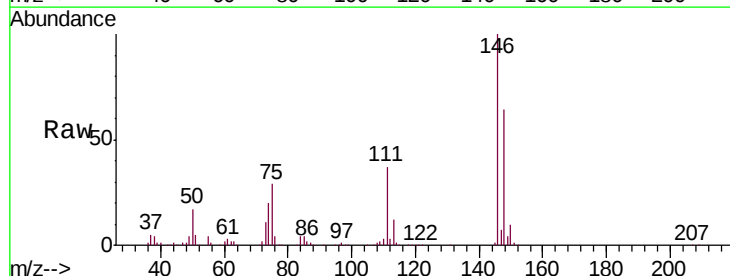
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

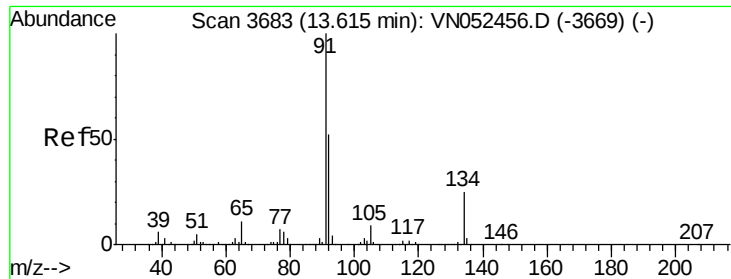
Tgt Ion:146 Resp: 424097
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 64.5 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 19.935 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion:146 Resp: 409391
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.3
 148 64.9 32.5 97.4

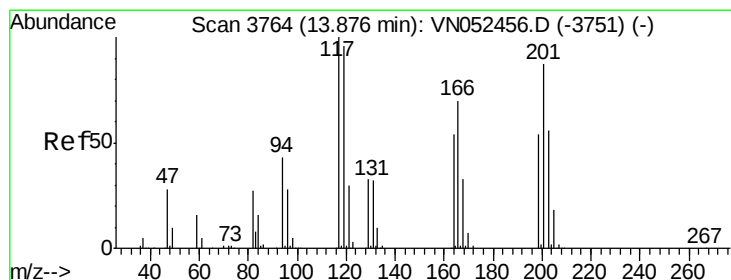
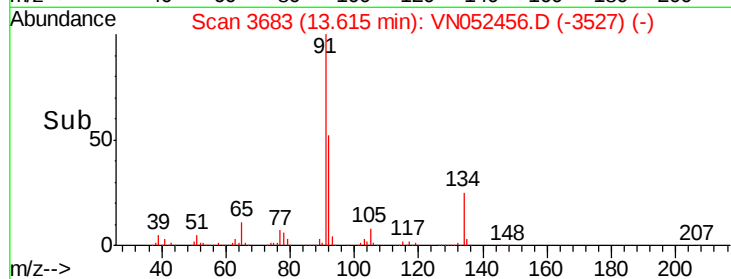
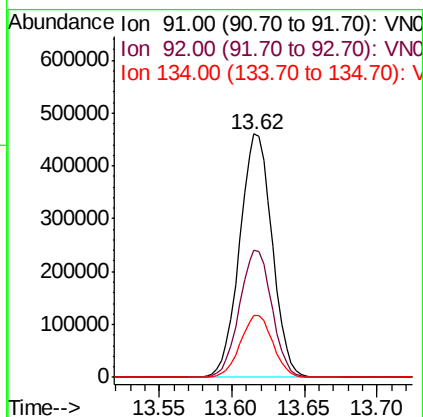
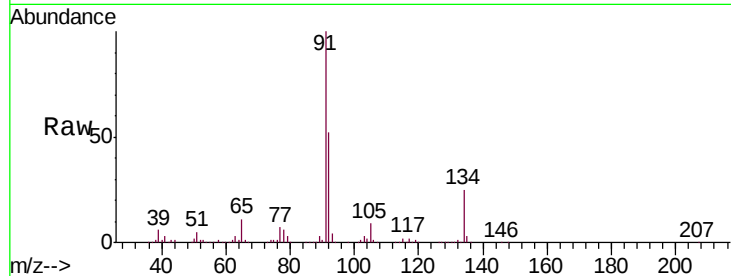




#85
n-Butylbenzene
Concen: 20.044 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

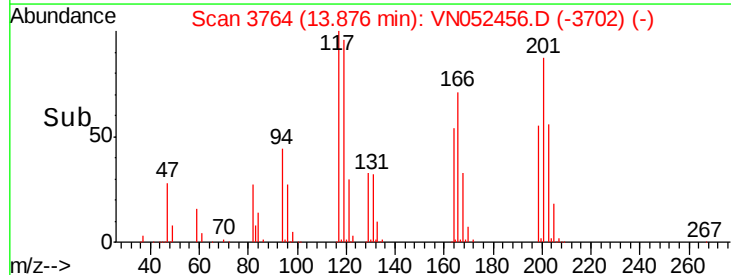
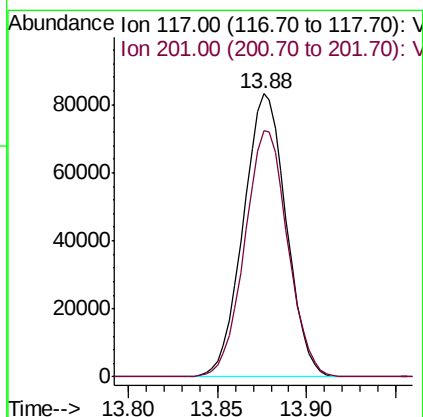
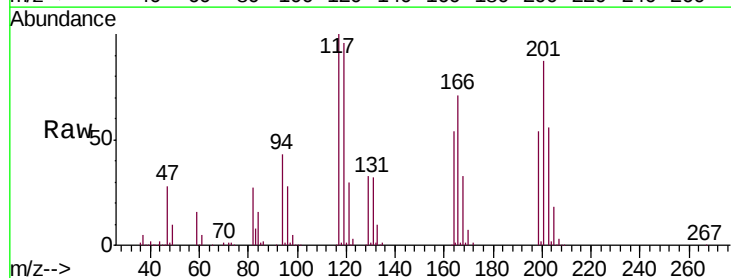
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

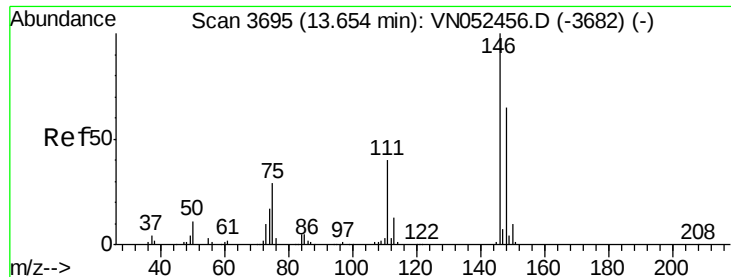
Tgt Ion: 91 Resp: 717772
Ion Ratio Lower Upper
91 100
92 52.1 0.0 104.2
134 25.3 0.0 50.6



#86
Hexachloroethane
Concen: 19.760 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052456.D
Acq: 26 Nov 2018 13:20

Tgt Ion: 117 Resp: 139575
Ion Ratio Lower Upper
117 100
201 87.5 43.8 131.3

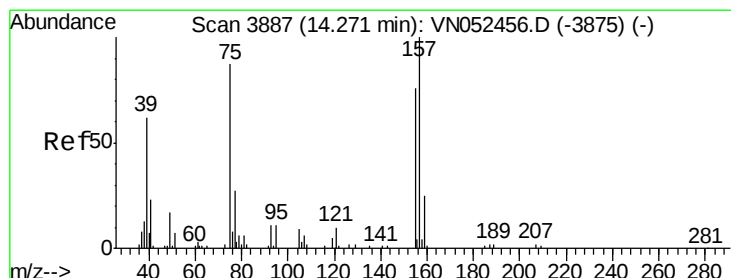
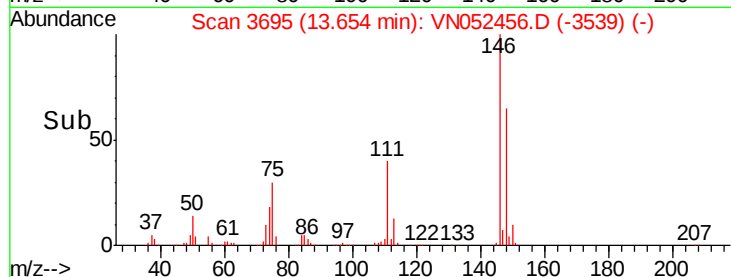
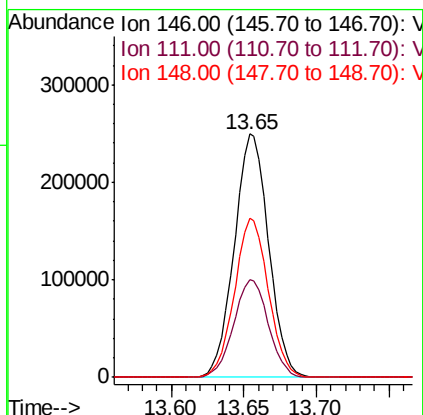
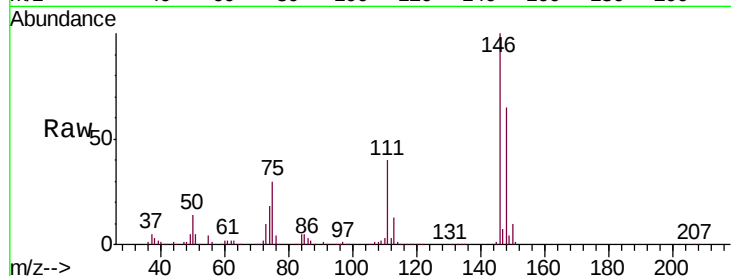




#87
 1,2-Dichlorobenzene
 Concen: 20.275 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

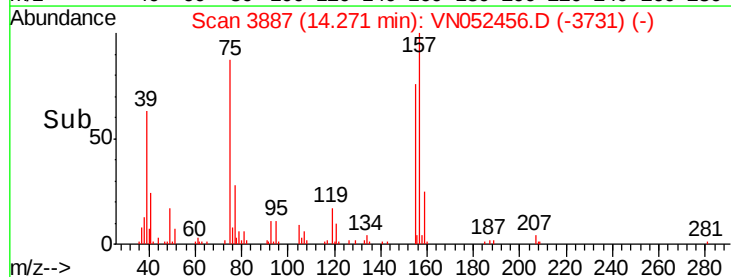
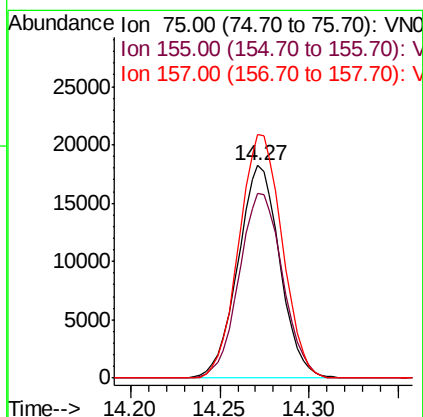
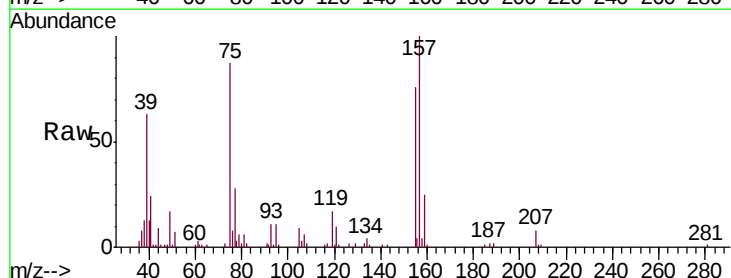
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

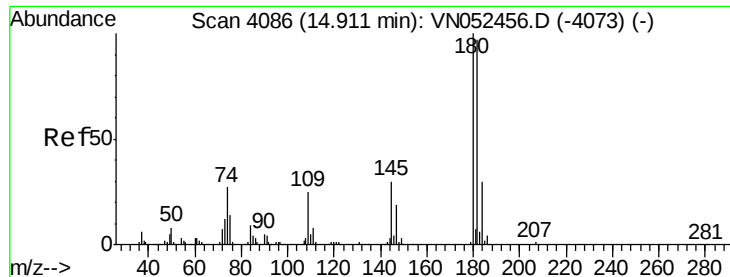
Tgt Ion:146 Resp: 410102
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 60.8
 148 64.3 32.1 96.5



#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: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion: 75 Resp: 29882
 Ion Ratio Lower Upper
 75 100
 155 90.2 72.2 108.2
 157 117.7 94.2 141.2

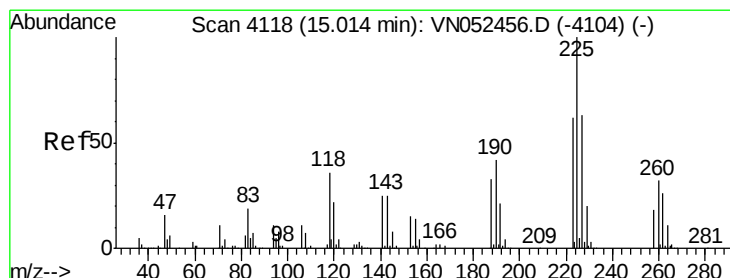
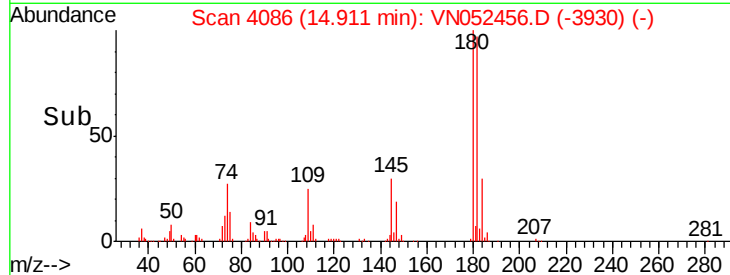
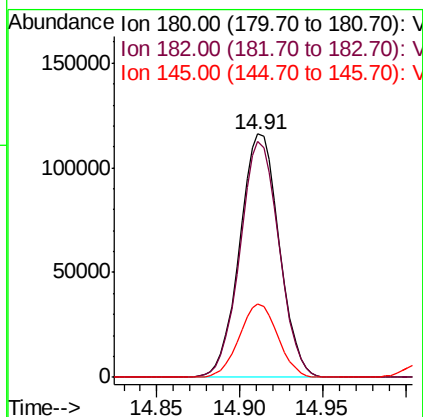
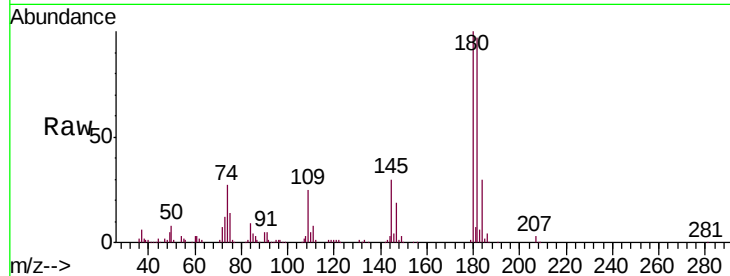




#89
 1,2,4-Trichlorobenzene
 Concen: 19.287 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

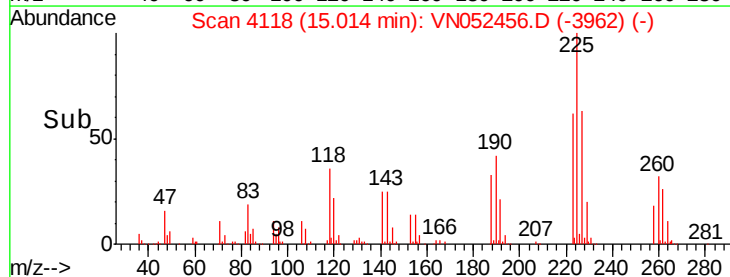
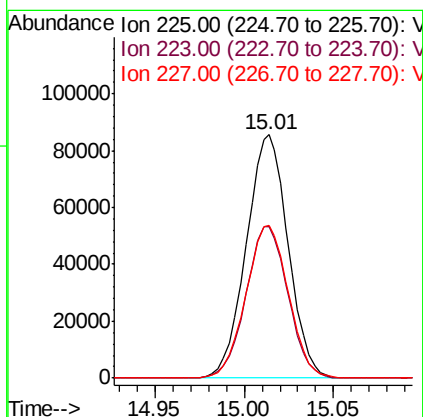
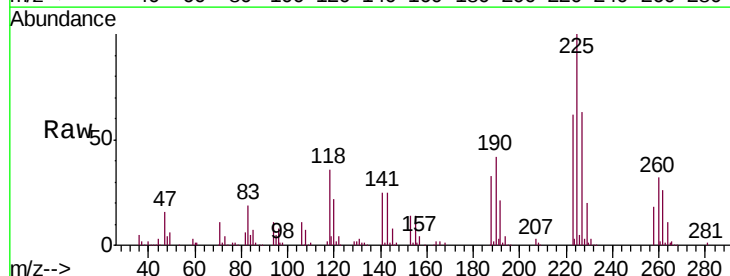
Instrument :
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 ClientSampleId :
 VSTDICCC020

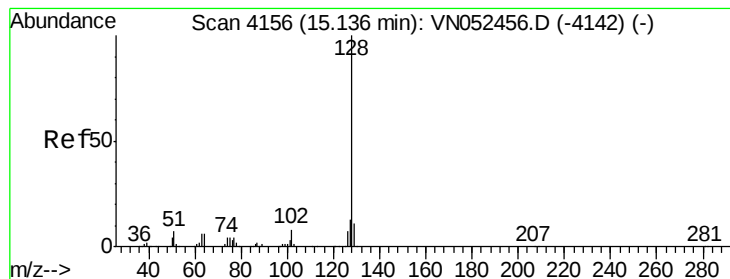
Tgt Ion:180 Resp: 192201
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 114.8
 145 29.5 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 21.417 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052456.D
 Acq: 26 Nov 2018 13:20

Tgt Ion:225 Resp: 140006
 Ion Ratio Lower Upper
 225 100
 223 62.8 0.0 125.6
 227 63.9 0.0 127.8





#91

Naphthalene

Concen: 19.277 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

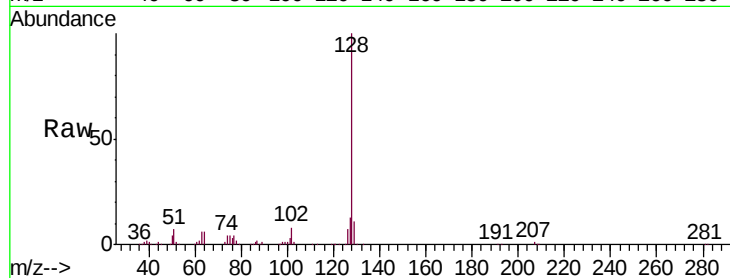
Tgt Ion:128 Resp: 387928

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

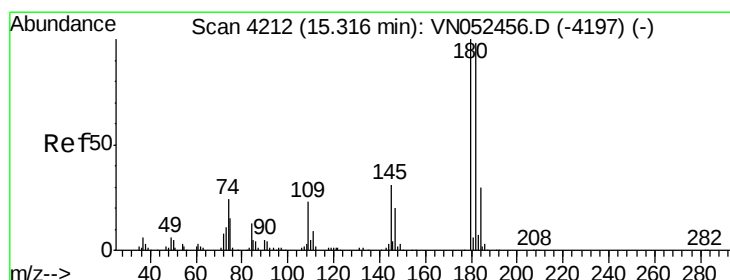
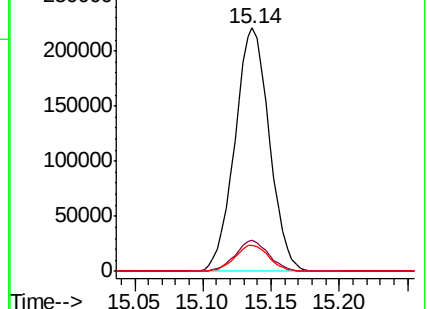
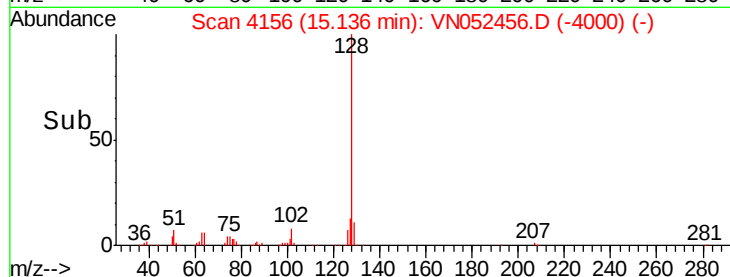
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 19.574 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052456.D

Acq: 26 Nov 2018 13:20

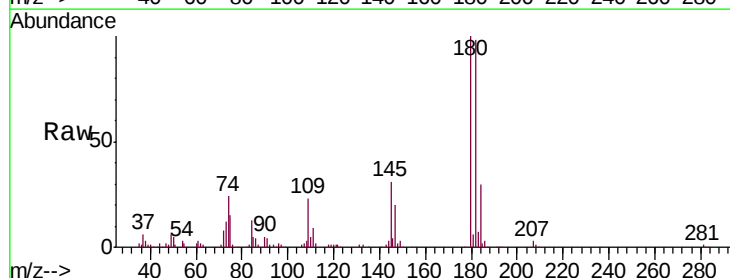
Tgt Ion:180 Resp: 179755

Ion Ratio Lower Upper

180 100

182 98.1 0.0 196.2

145 31.1 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

