

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052822.D
 Acq On : 12 Dec 2018 12:56
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Dec 13 03:43:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	148961	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	868845	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	762199	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	300602	29.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.73%
60) 4-Bromofluorobenzene	12.40	95	351244	30.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.47%
63) Toluene-d8	10.09	98	1034227	29.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	159508	18.801	ug/l 99
3) Chloromethane	2.06	50	208778	18.556	ug/l 98
4) Vinyl Chloride	2.19	62	215685	18.993	ug/l 96
5) Bromomethane	2.58	94	131144	20.254	ug/l 99
6) Chloroethane	2.71	64	131421	19.461	ug/l 98
7) Trichlorofluoromethane	3.03	101	283352	20.218	ug/l 98
8) Diethyl Ether	3.41	74	110164	21.288	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	178943	20.141	ug/l 97
10) 1,1-Dichloroethene	3.74	96	170078	20.360	ug/l 95
11) Methyl Iodide	3.96	142	223522	19.272	ug/l 100
12) Methyl Acetate	4.33	43	151344	21.323	ug/l 100
13) Acrolein	3.61	56	55555	66.635	ug/l 99
14) Acrylonitrile	4.99	53	324899	107.434	ug/l 98
15) Acetone	3.82	58	75944	96.968	ug/l 97
16) Carbon Disulfide	4.06	76	474354	17.936	ug/l 99
17) Allyl chloride	4.33	41	268003	18.397	ug/l 98
18) Methylene Chloride	4.55	84	199511	20.628	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	185119	20.592	ug/l 93
20) Diisopropyl ether	5.95	45	621465	20.300	ug/l 99
21) 1,1-Dichloroethane	5.85	63	353152	20.239	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	216495	21.013	ug/l 97
23) tert-Butyl Alcohol	4.78	59	55942	124.351	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	479220	21.868	ug/l 98
25) Chloroform	7.37	83	350250	20.807	ug/l 100
26) Cyclohexane	7.66	56	310549	18.870	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	267121	20.133	ug/l 99
30) 2-Butanone	6.83	43	366686	103.282	ug/l 99
31) 2,2-Dichloropropane	6.83	77	256368	20.988	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	285930	20.711	ug/l 97
33) Carbon Tetrachloride	7.78	117	247792	20.513	ug/l 99
34) Benzene	8.04	78	809566	20.294	ug/l 99
35) Methacrylonitrile	7.18	41	85545	19.420	ug/l 98
36) 1,2-Dichloroethane	8.13	62	249030	20.601	ug/l 99
37) Trichloroethene	8.84	130	215950	21.348	ug/l 94
38) Methylcyclohexane	9.08	83	314476	19.147	ug/l 97
39) 1,2-Dichloropropane	9.12	63	217090	20.302	ug/l 97
40) Dibromomethane	9.21	93	124162	21.487	ug/l 97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	261310	20.468	ug/l	98
42) Vinyl Acetate	5.90	43	1876361	97.678	ug/l	98
43) Ethyl Acetate	6.93	43	167499	22.187	ug/l #	72
44) Isopropyl Acetate	8.17	43	306131	23.121	ug/l	94
45) 1,4-Dioxane	9.20	88	34340	474.096	ug/l	96
46) Methyl methacrylate	9.20	41	147808	21.501	ug/l	100
47) n-amyl Acetate	12.07	43	247797	22.572	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	257516	20.803	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	308870	20.480	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	178273	21.764	ug/l	99
51) Ethyl methacrylate	10.43	69	228559	22.217	ug/l	95
52) 1,3-Dichloropropane	10.71	76	308011	21.126	ug/l	100
53) Dibromochloromethane	10.90	129	192961	21.397	ug/l	98
54) 1,2-Dibromoethane	11.01	107	174180	21.762	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	642395	106.678	ug/l	99
56) Bromoform	12.13	173	128385	21.781	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	827944	112.046	ug/l	99
59) 2-Hexanone	10.75	43	556015	110.151	ug/l	98
61) Tetrachloroethene	10.63	164	226970	24.178	ug/l	95
62) Toluene	10.16	91	864740	20.580	ug/l	100
64) Chlorobenzene	11.43	112	539193	21.024	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	193771	21.767	ug/l	98
66) Ethyl Benzene	11.51	91	931560	20.571	ug/l	98
67) m/p-Xylenes	11.62	106	709307	42.042	ug/l	98
68) o-Xylene	11.95	106	344230	21.021	ug/l	100
69) Styrene	11.97	104	559504	21.168	ug/l	99
70) Isopropylbenzene	12.25	105	923012	21.185	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	202807	21.398	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	262923	32.316	ug/l	46
73) Bromobenzene	12.53	156	232070	22.023	ug/l	95
74) n-propylbenzene	12.59	91	1051692	20.717	ug/l	99
75) 2-Chlorotoluene	12.68	91	623143	21.148	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	748594	21.272	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	53861	20.957	ug/l	98
78) 4-Chlorotoluene	12.77	91	626492	21.291	ug/l	99
79) tert-butylbenzene	12.99	119	653908	21.336	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	750964	21.326	ug/l	100
81) sec-Butylbenzene	13.17	105	888112	20.805	ug/l	100
82) p-Isopropyltoluene	13.29	119	761006	20.936	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	404384	21.820	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	390517	21.809	ug/l	99
85) n-Butylbenzene	13.62	91	621647	19.910	ug/l	99
86) Hexachloroethane	13.88	117	124555	20.223	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	398968	22.622	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31040	23.381	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	211642	24.357	ug/l	99
90) Hexachlorobutadiene	15.01	225	124218	21.793	ug/l	99
91) Naphthalene	15.13	128	450613	25.681	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	199077	24.861	ug/l	97

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QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

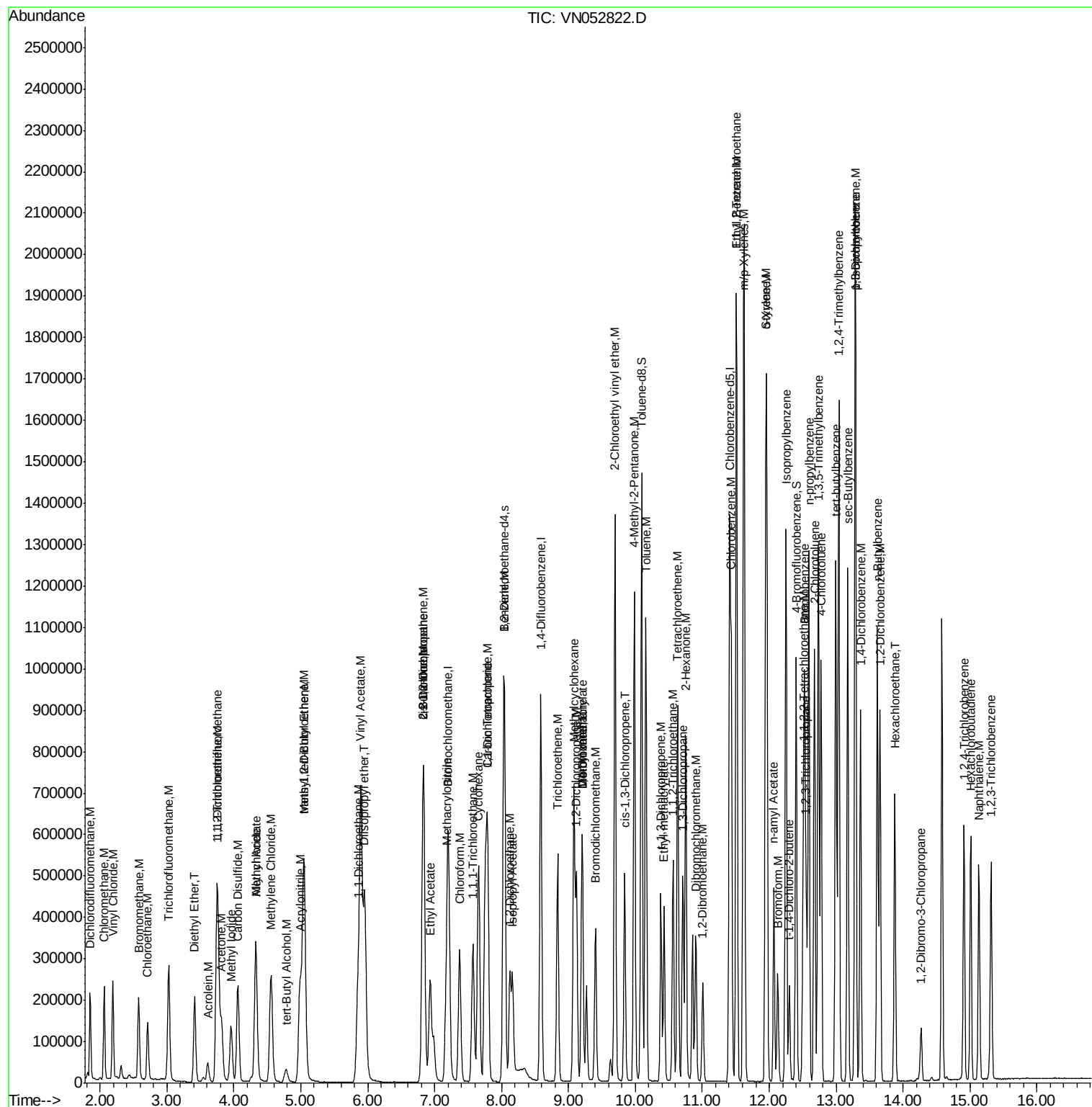
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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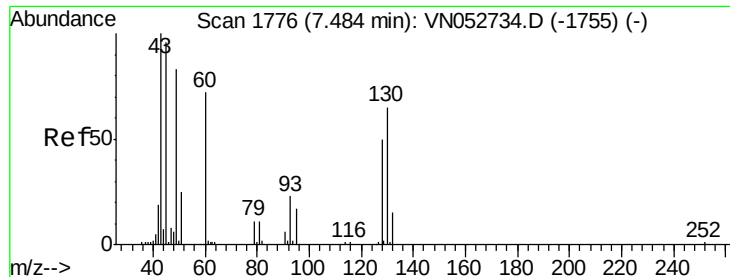
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121218\
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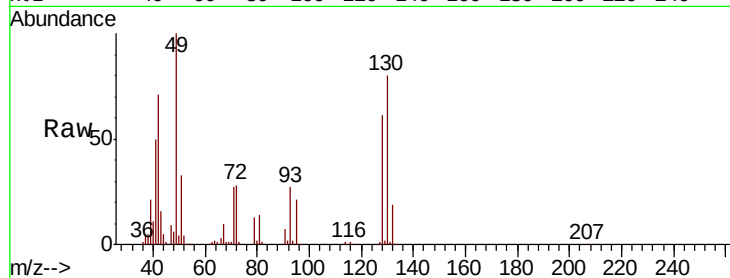




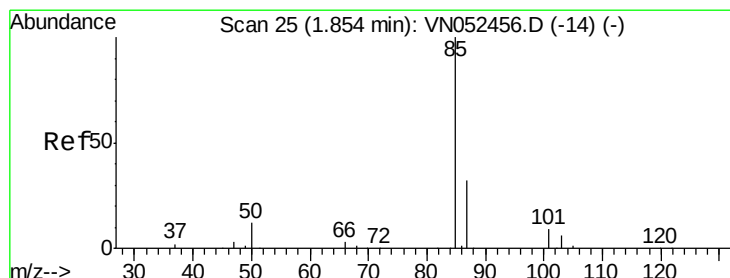
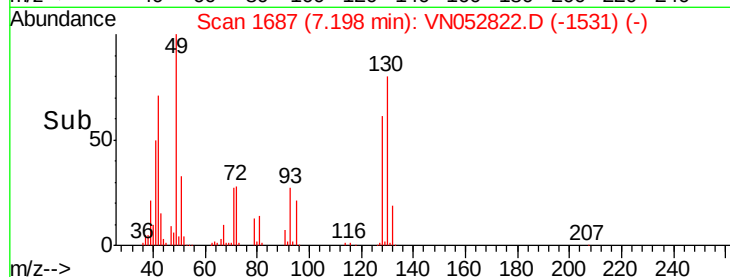
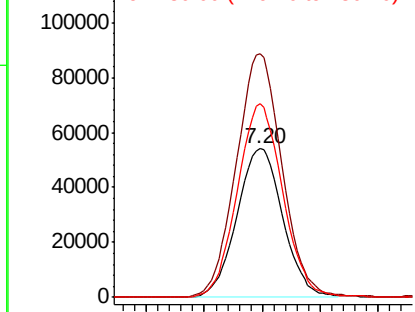
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 148961
Ion Ratio Lower Upper
128 100
49 163.8 0.0 431.8
130 129.0 0.0 317.0

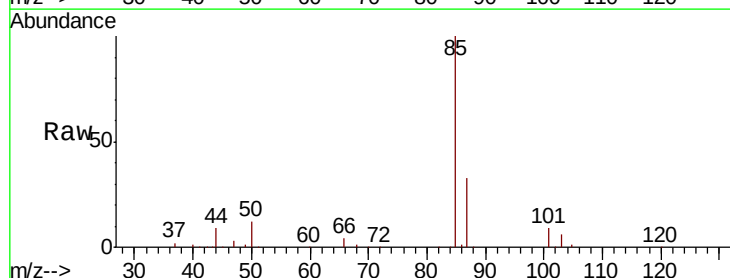


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

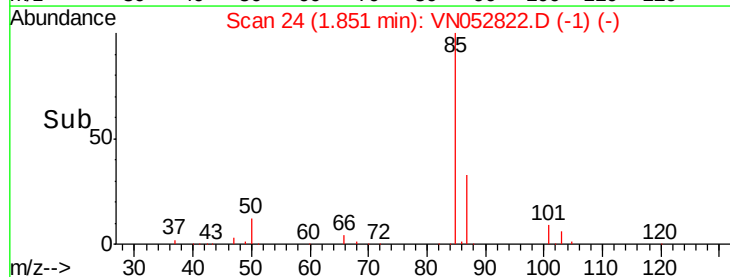
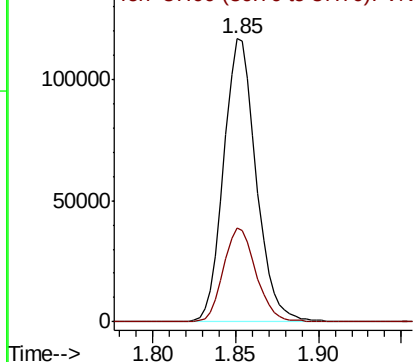


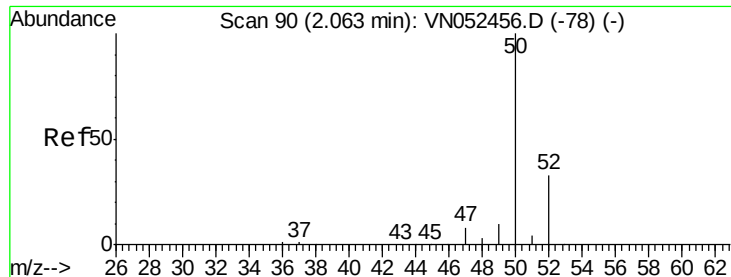
#2
Dichlorodifluoromethane
Concen: 18.801 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 85 Resp: 159508
Ion Ratio Lower Upper
85 100
87 33.0 16.1 48.3



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





#3

Chloromethane

Concen: 18.556 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

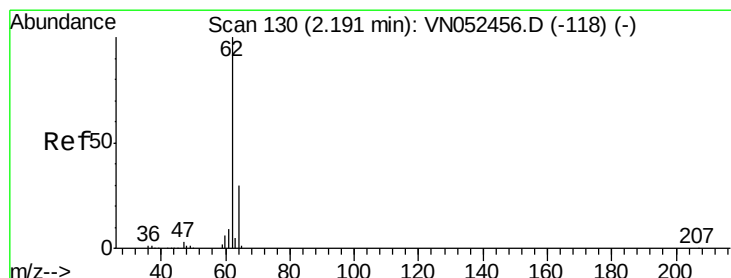
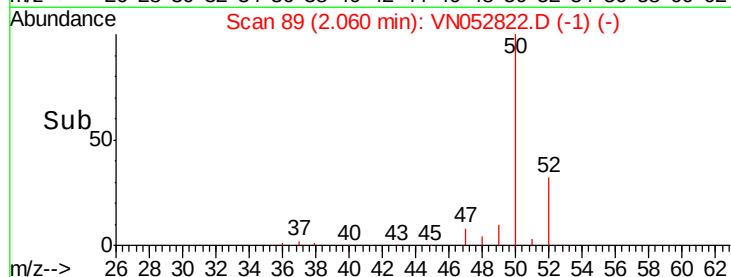
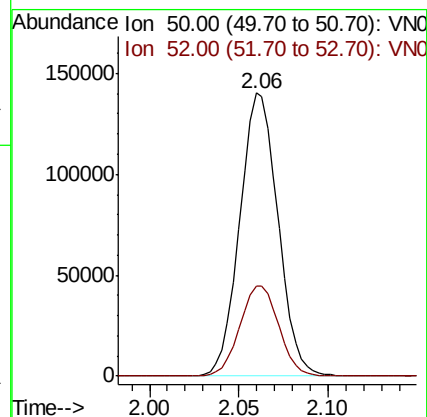
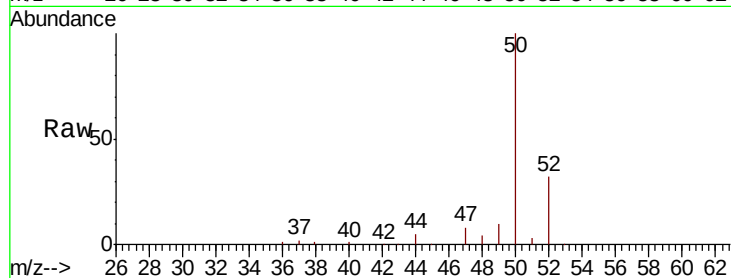
VSTDCCC020EC

Tot Ion: 50 Resp: 208778

Ion Ratio Lower Upper

50 100

52 31.9 26.5 39.7



#4

Vinyl Chloride

Concen: 18.993 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052822.D

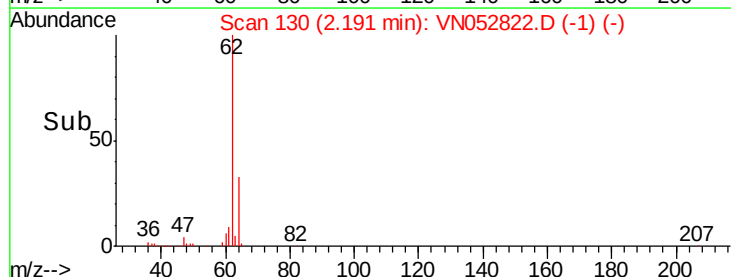
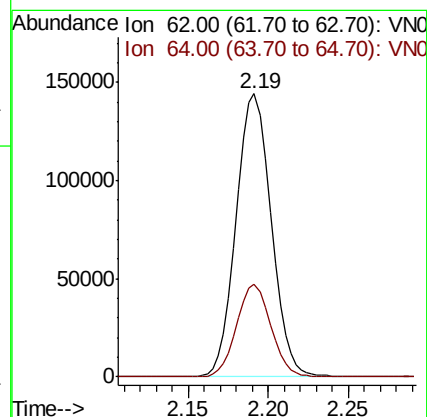
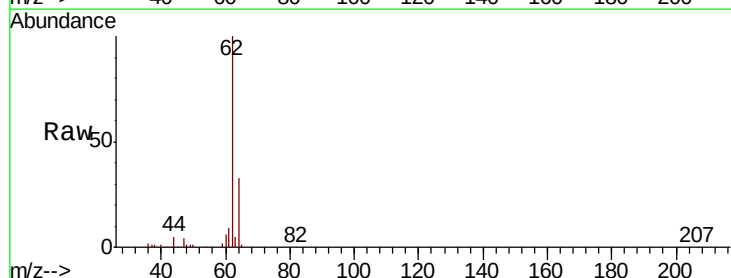
Acq: 12 Dec 2018 12:56

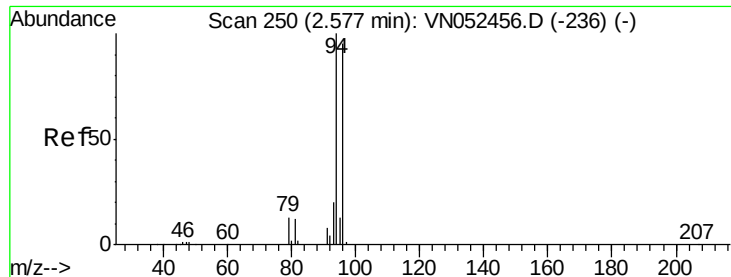
Tgt Ion: 62 Resp: 215685

Ion Ratio Lower Upper

62 100

64 32.7 24.2 36.4





#5

Bromomethane

Concen: 20.254 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

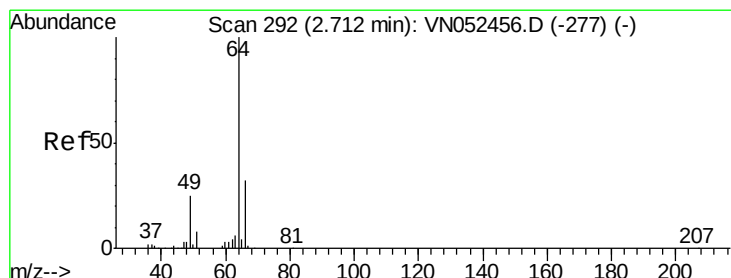
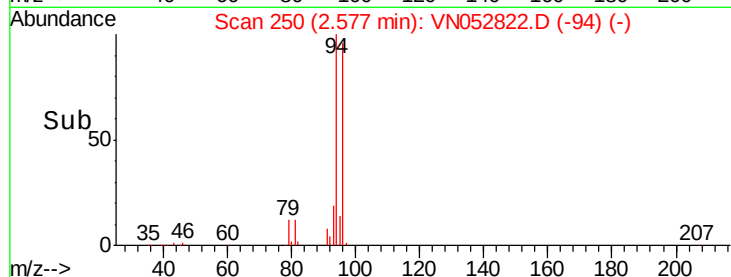
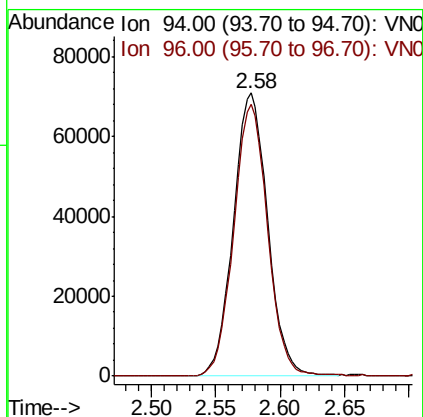
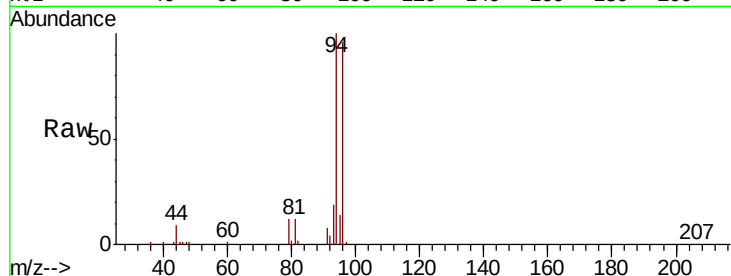
VSTDCCC020EC

Tot Ion: 94 Resp: 131144

Ion Ratio Lower Upper

94 100

96 95.8 76.2 114.2



#6

Chloroethane

Concen: 19.461 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052822.D

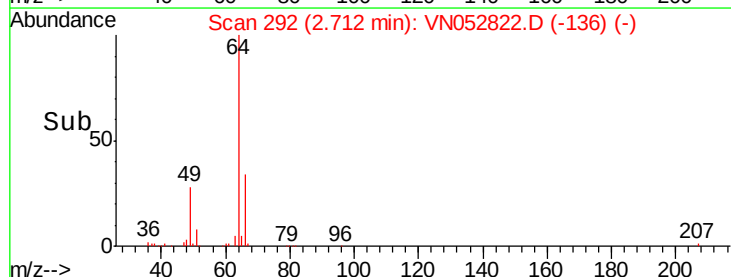
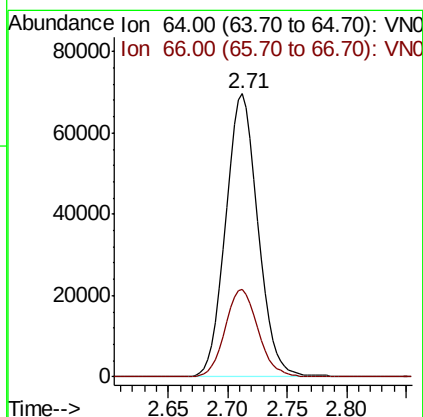
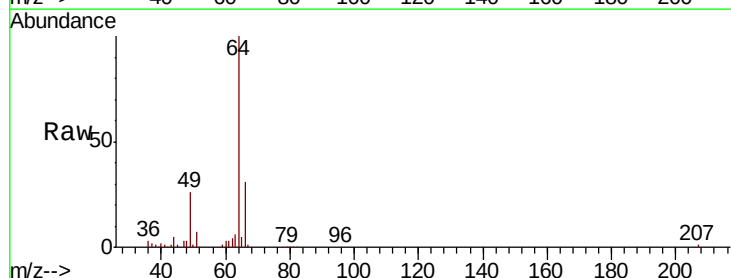
Acq: 12 Dec 2018 12:56

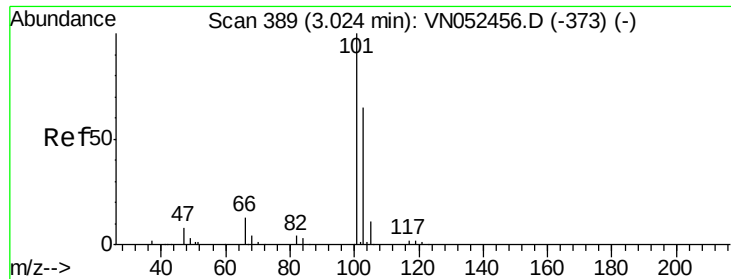
Tgt Ion: 64 Resp: 131421

Ion Ratio Lower Upper

64 100

66 30.9 25.6 38.4



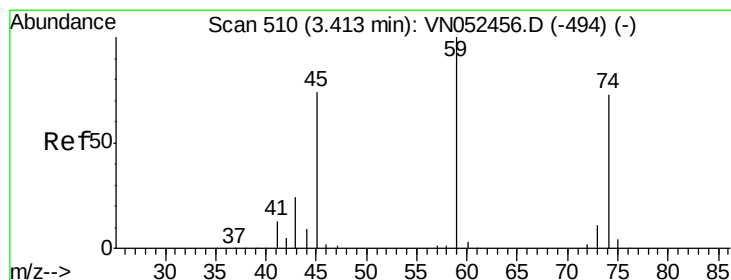
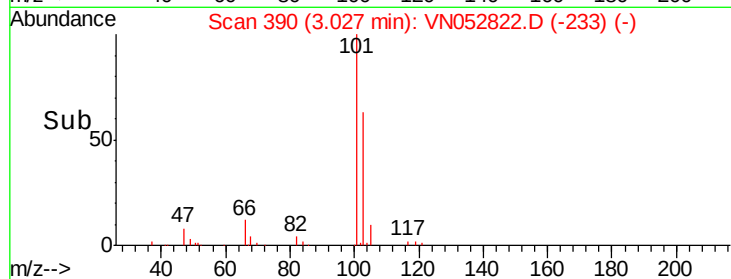
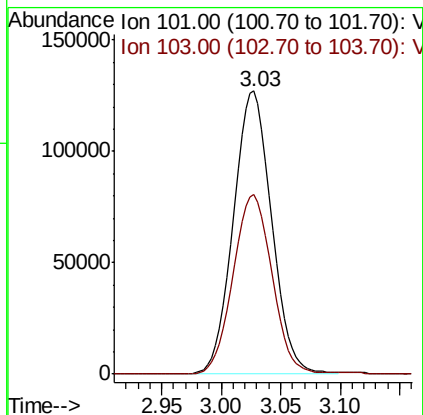
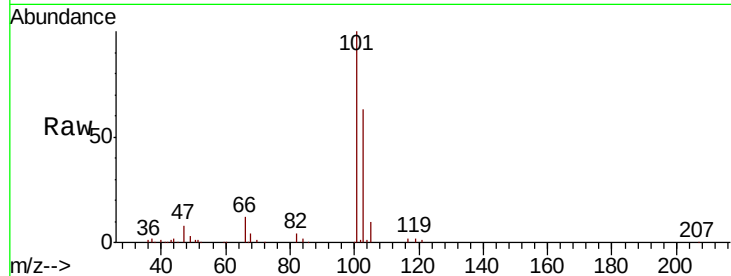


#7

Trichlorofluoromethane
 Concen: 20.218 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

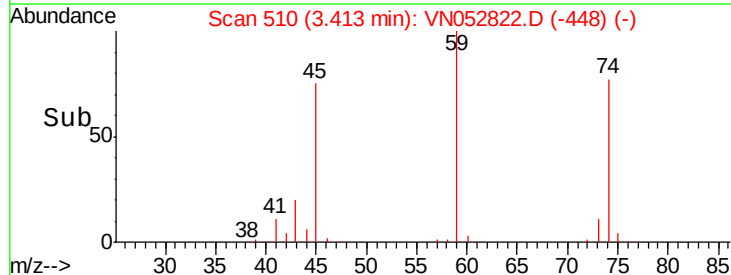
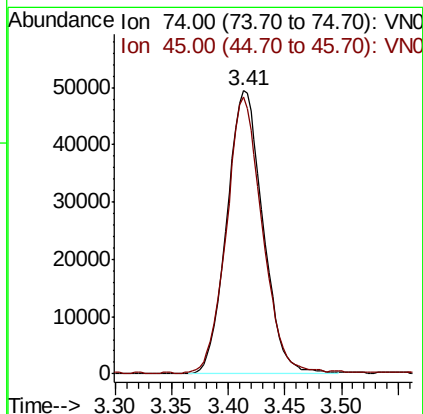
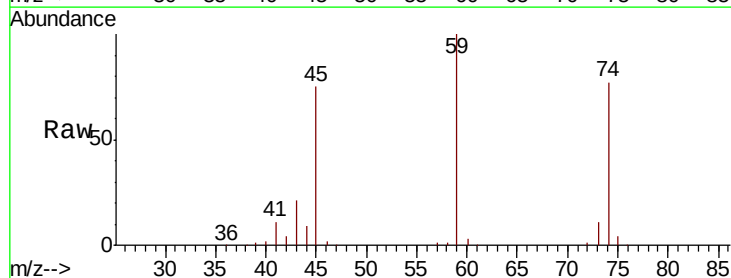
Tot Ion:101 Resp: 283352
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.1 78.1

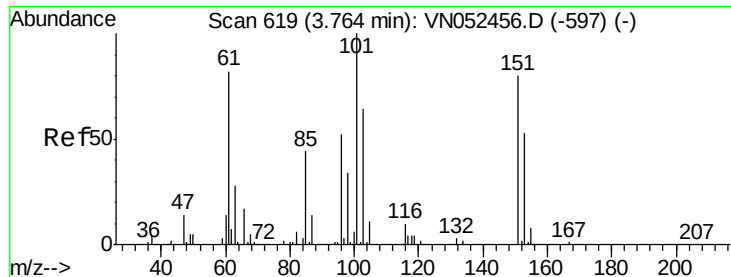


#8

Diethyl Ether
 Concen: 21.288 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion: 74 Resp: 110164
 Ion Ratio Lower Upper
 74 100
 45 96.8 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.141 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

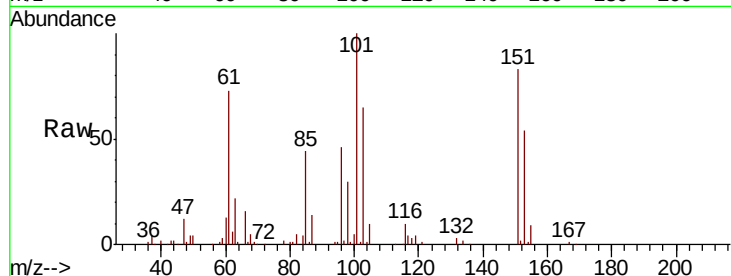
Tot Ion:101 Resp: 178943

Ion Ratio Lower Upper

101 100

85 42.2 0.0 82.6

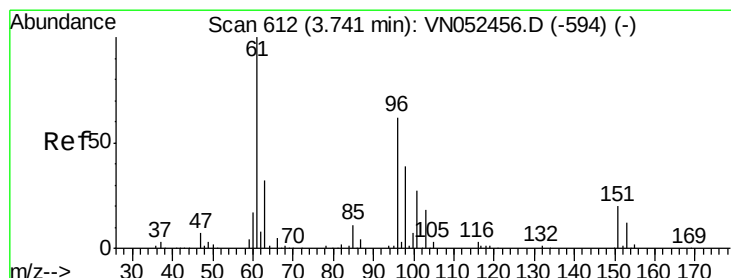
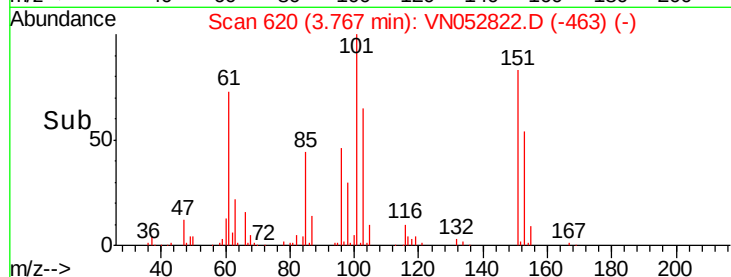
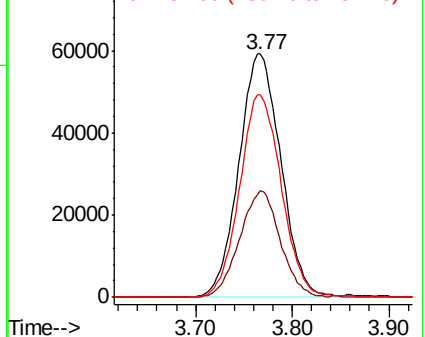
151 82.3 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.360 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

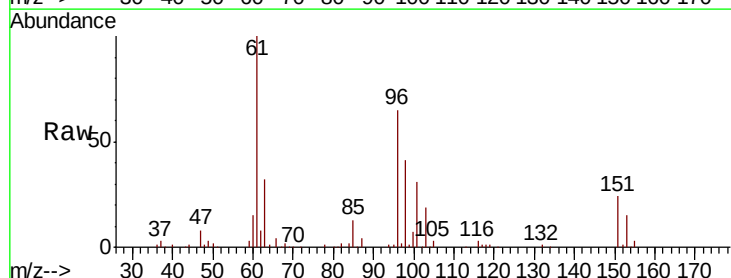
Tgt Ion: 96 Resp: 170078

Ion Ratio Lower Upper

96 100

61 153.1 129.4 194.2

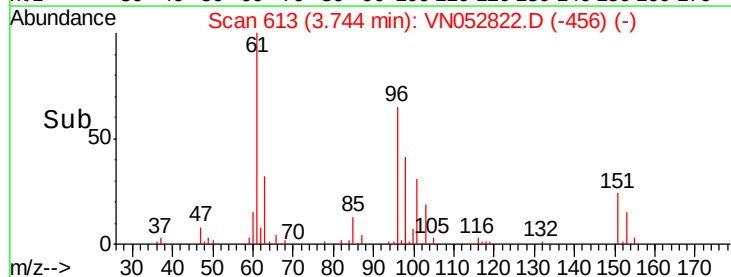
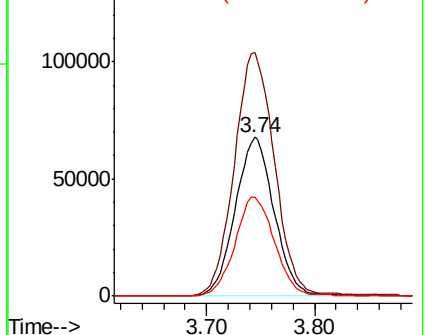
98 62.3 50.4 75.6

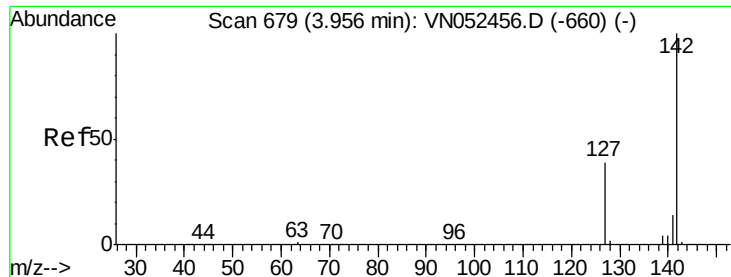


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

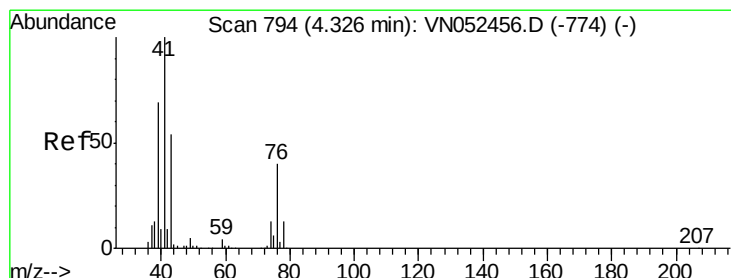
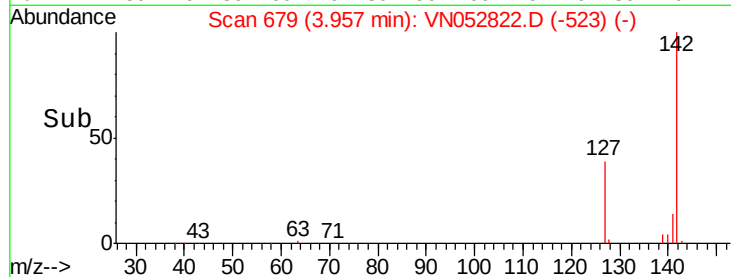
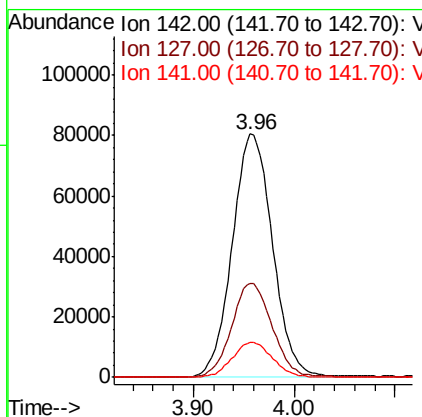
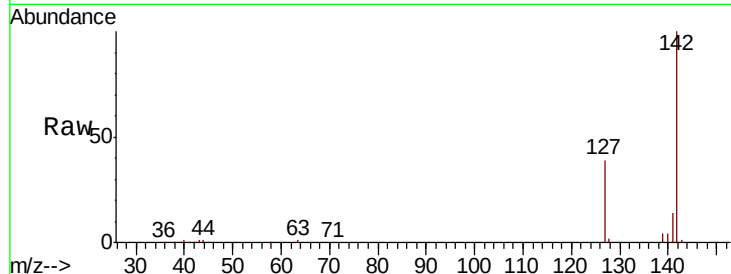




#11
Methvl Iodide
Concen: 19.272 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

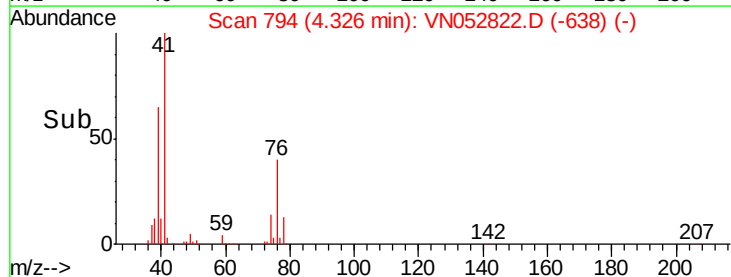
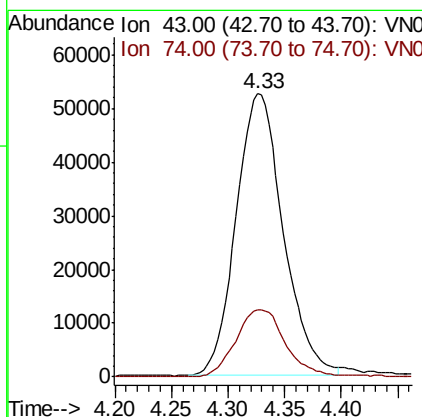
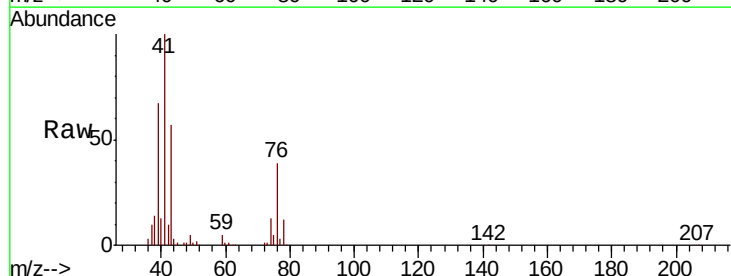
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

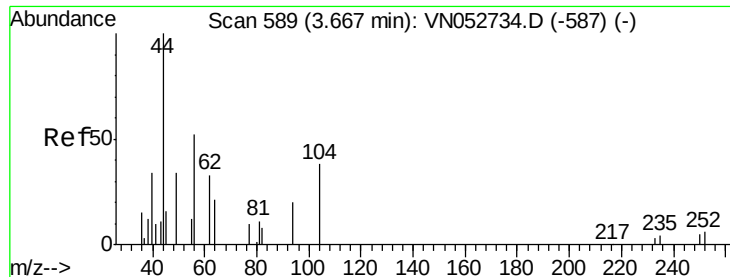
Tot Ion:142 Resp: 223522
Ion Ratio Lower Upper
142 100
127 38.6 19.4 58.1
141 14.2 7.2 21.6



#12
Methyl Acetate
Concen: 21.323 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 43 Resp: 151344
Ion Ratio Lower Upper
43 100
74 23.8 18.9 28.3





#13

Acrolein

Concen: 66.635 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

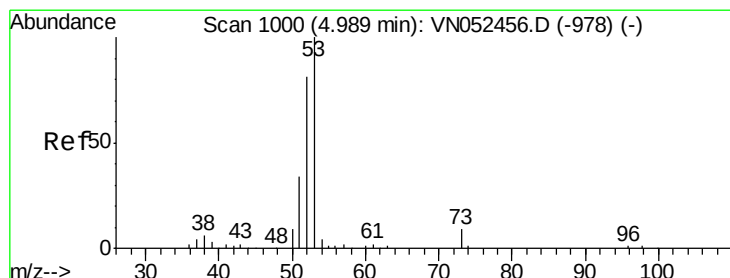
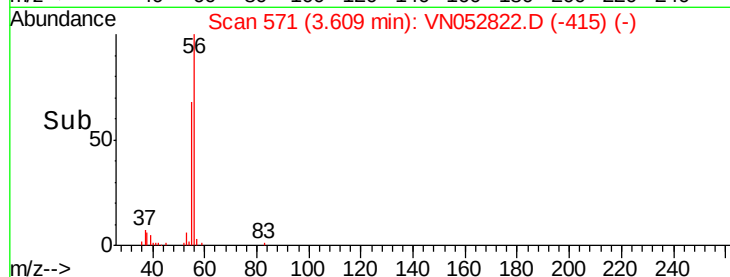
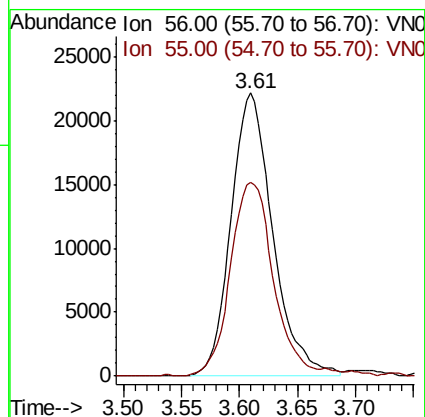
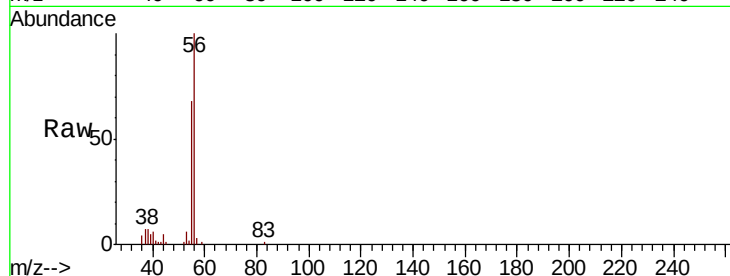
VSTDCCC020EC

Tot Ion: 56 Resp: 55555

Ion Ratio Lower Upper

56 100

55 70.2 56.7 85.1



#14

Acrylonitrile

Concen: 107.434 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

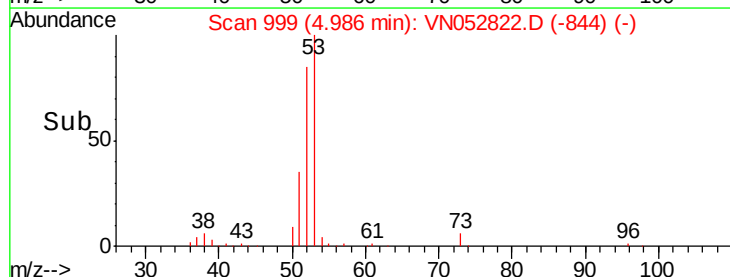
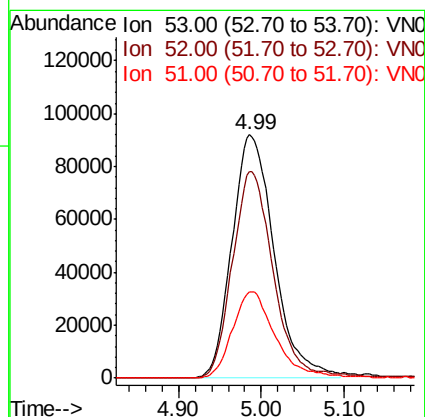
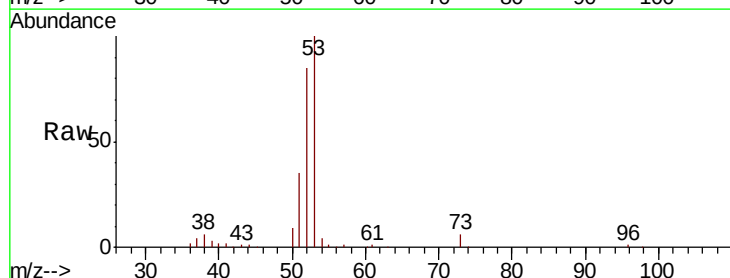
Tgt Ion: 53 Resp: 324899

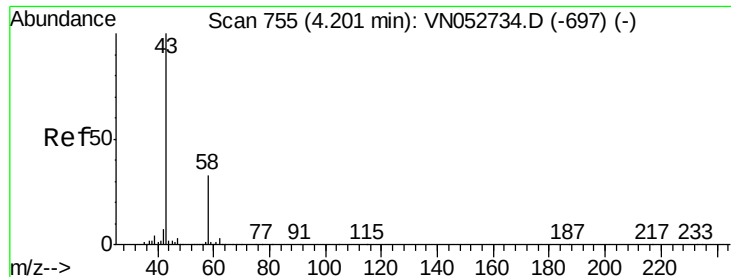
Ion Ratio Lower Upper

53 100

52 81.8 39.9 119.7

51 35.7 17.6 52.9





#15

Acetone

Concen: 96.968 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

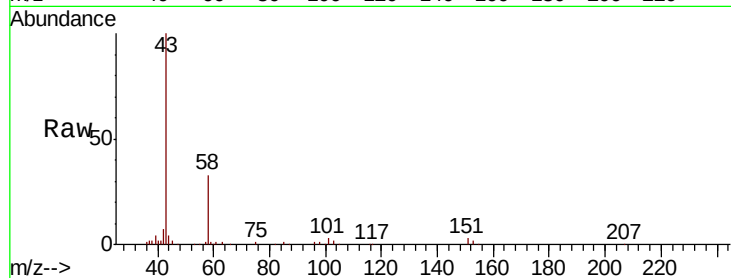
VSTDCCC020EC

Tot Ion: 58 Resp: 75944

Ion Ratio Lower Upper

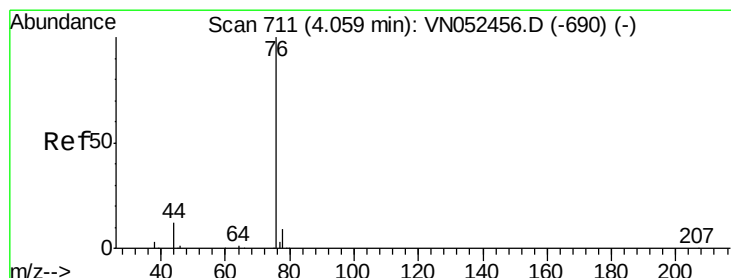
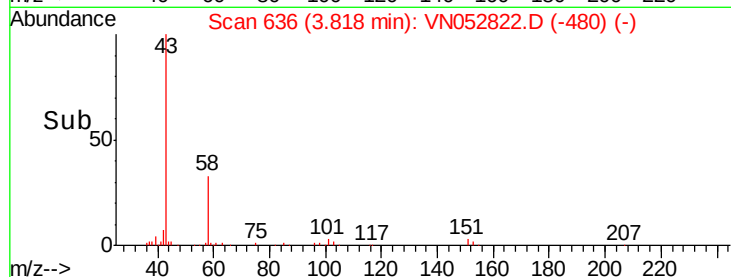
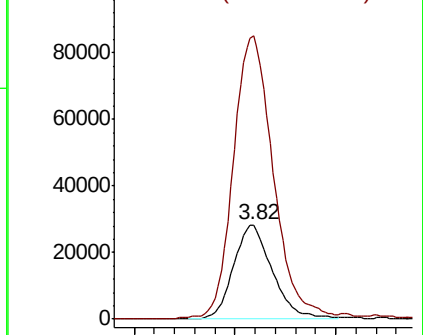
58 100

43 298.6 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052822.D (-555) (-)

Ion 43.00 (42.70 to 43.70): VN052822.D (-480) (-)



#16

Carbon Disulfide

Concen: 17.936 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052822.D

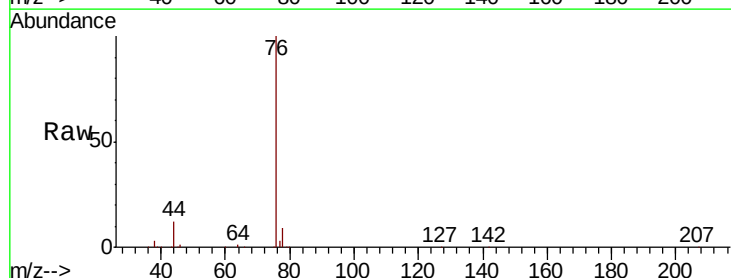
Acq: 12 Dec 2018 12:56

Tgt Ion: 76 Resp: 474354

Ion Ratio Lower Upper

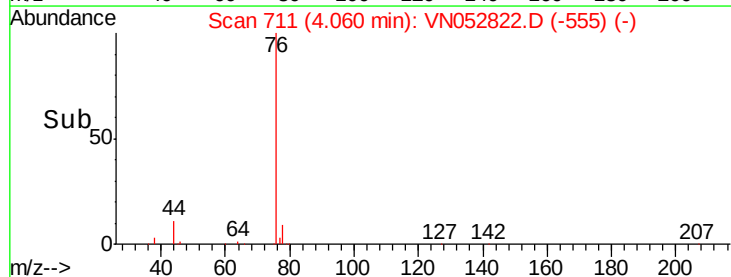
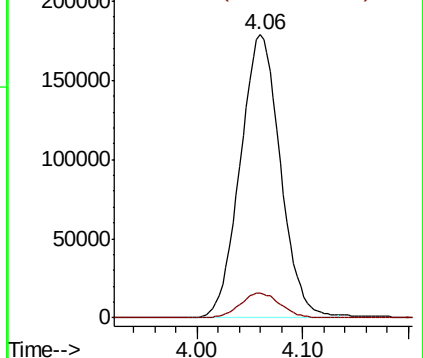
76 100

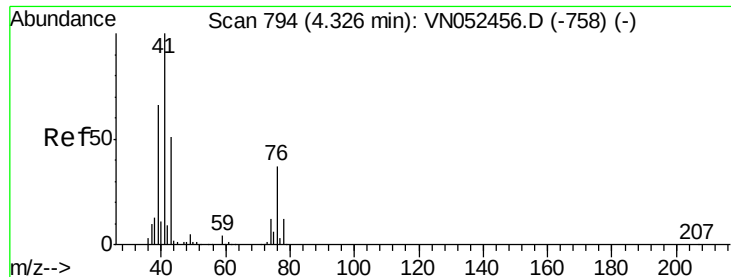
78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052822.D (-555) (-)

Ion 78.00 (77.70 to 78.70): VN052822.D (-555) (-)

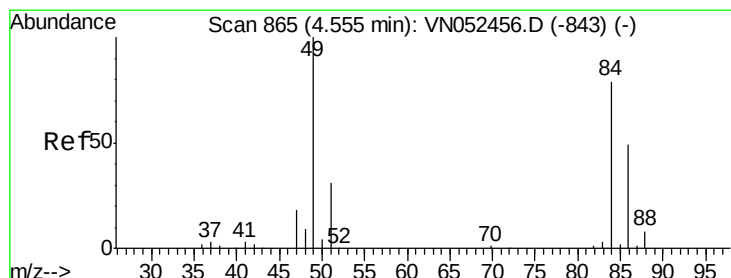
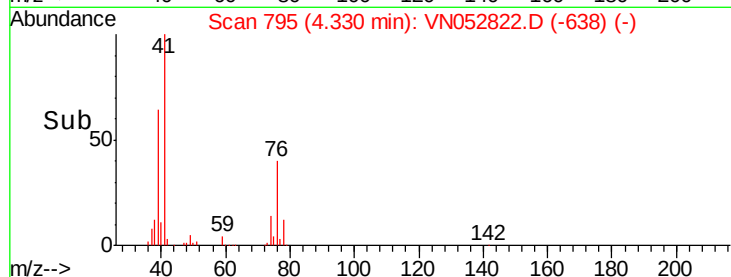
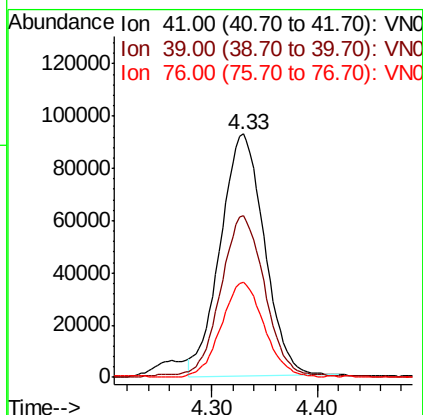
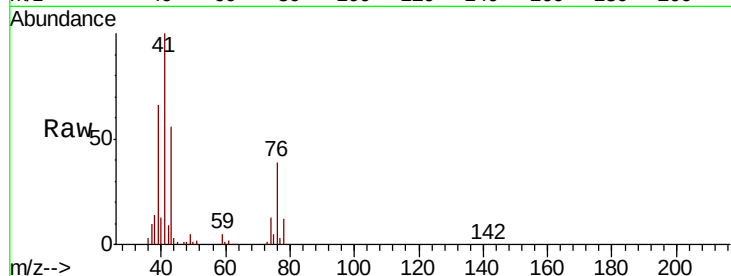




#17
Allvl chloride
Concen: 18.397 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

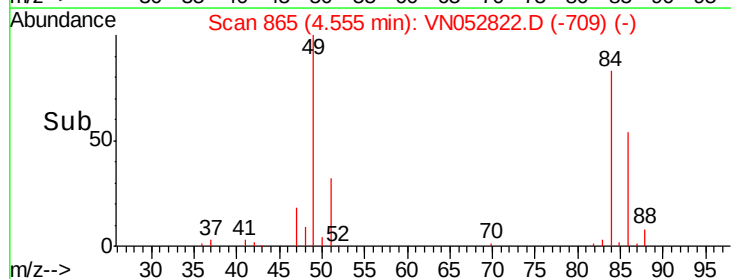
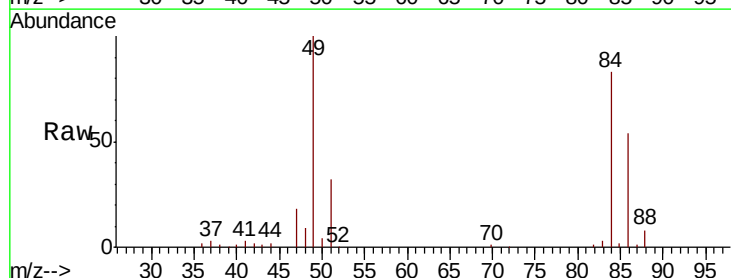
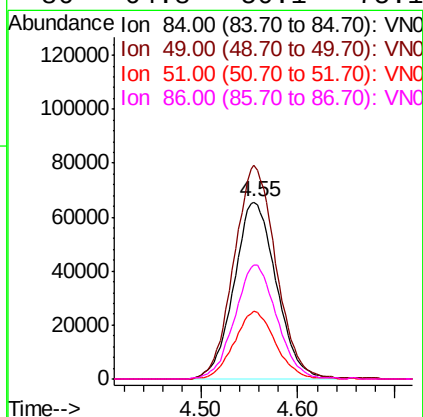
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

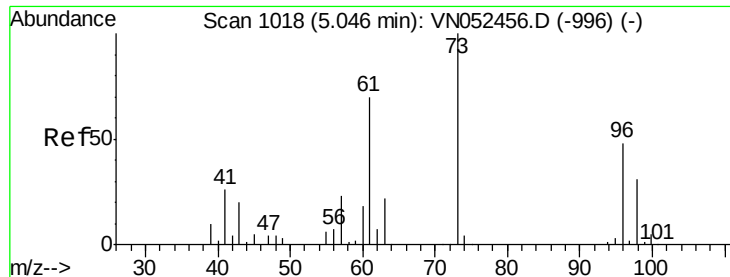
Tot Ion: 41 Resp: 268003
Ion Ratio Lower Upper
41 100
39 66.2 32.8 98.3
76 39.2 18.6 55.8



#18
Methylene Chloride
Concen: 20.628 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 84 Resp: 199511
Ion Ratio Lower Upper
84 100
49 120.9 101.4 152.0
51 38.2 31.7 47.5
86 64.8 50.1 75.1

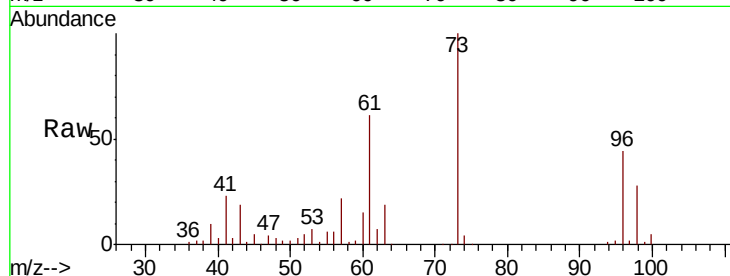




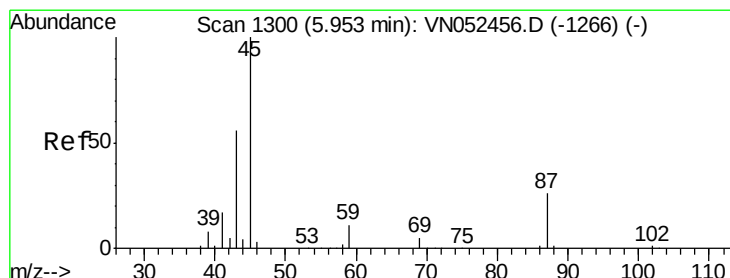
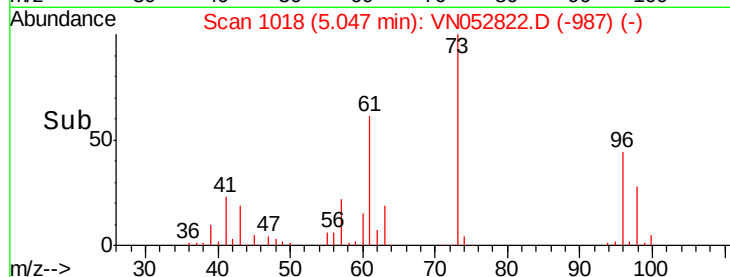
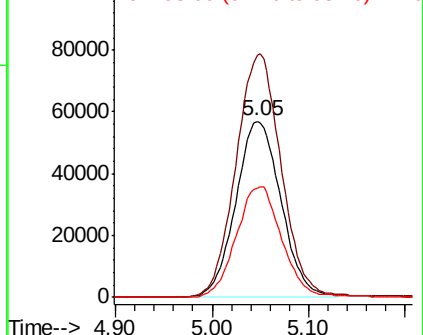
#19
trans-1,2-Dichloroethene
Concen: 20.592 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 185119
Ion Ratio Lower Upper
96 100
61 137.0 118.2 177.4
98 62.0 51.4 77.2

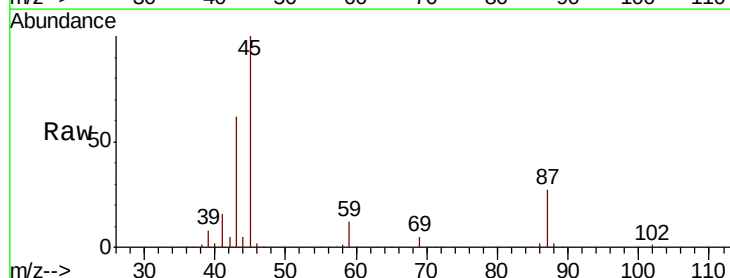


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

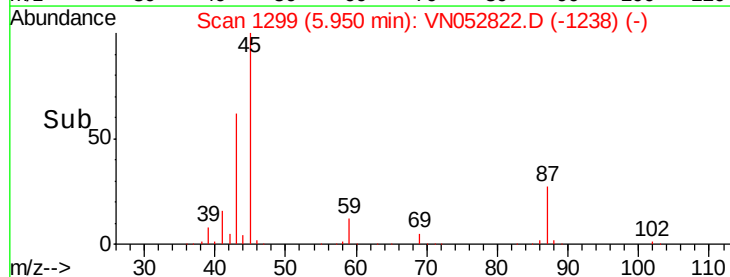
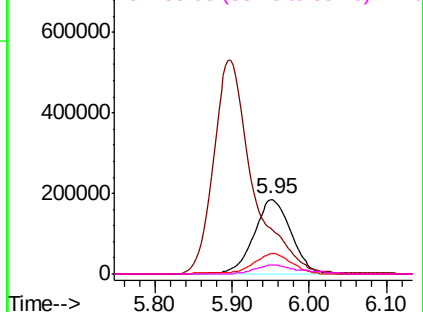


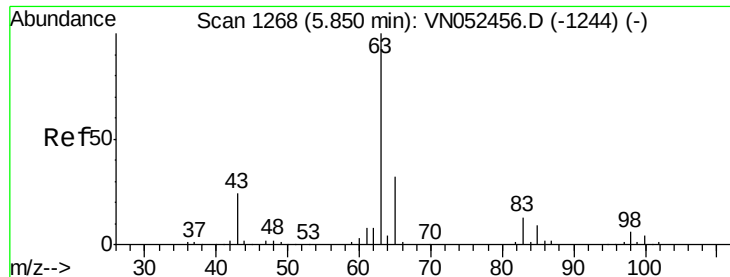
#20
Diisopropyl ether
Concen: 20.300 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 45 Resp: 621465
Ion Ratio Lower Upper
45 100
43 59.4 47.8 71.8
87 26.5 21.3 31.9
59 11.7 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.239 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

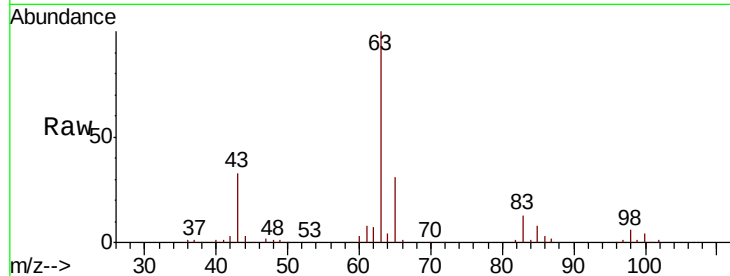
Tot Ion: 63 Resp: 353152

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

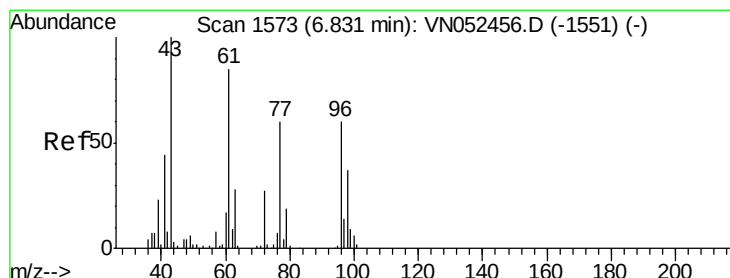
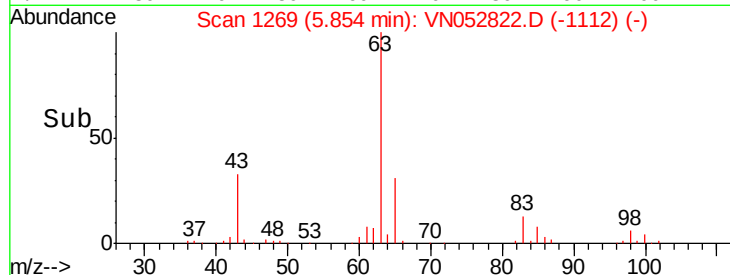
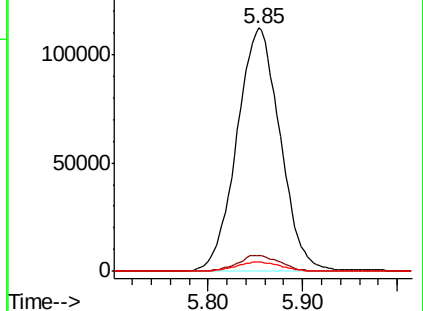
100 3.8 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN052822.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN052822.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN052822.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 21.013 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

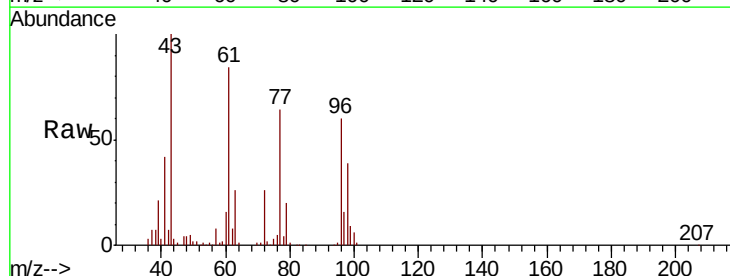
Tgt Ion: 96 Resp: 216495

Ion Ratio Lower Upper

96 100

61 142.3 116.7 175.1

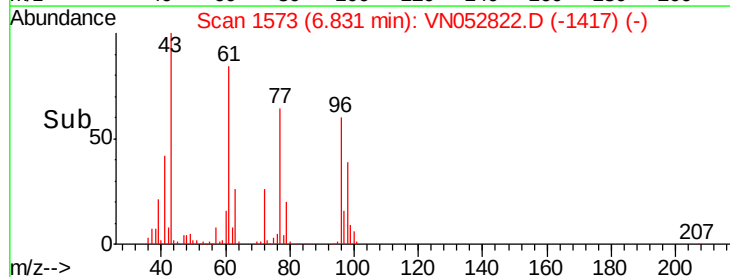
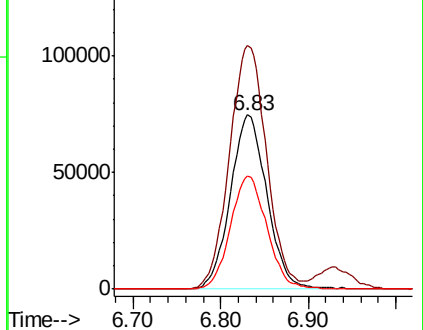
98 64.7 50.8 76.2

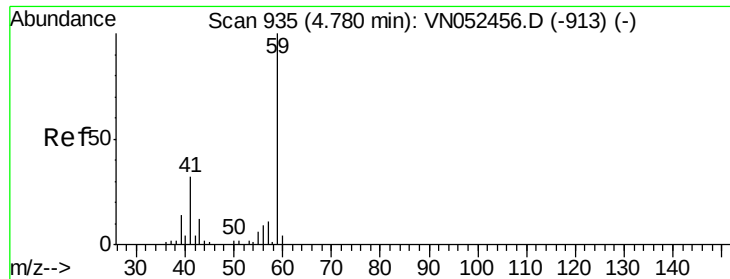


Abundance Ion 96.00 (95.70 to 96.70): VN052822.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN052822.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN052822.D (-1417) (-)



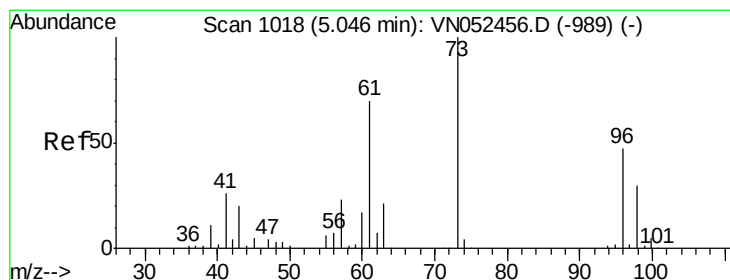
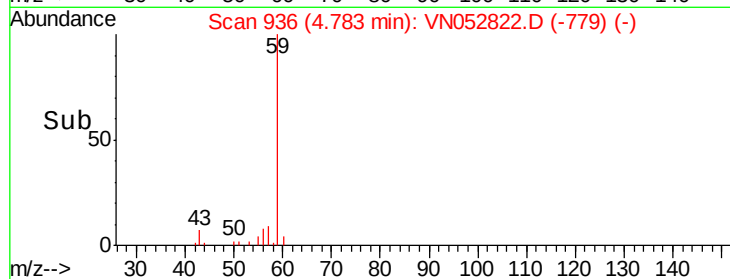
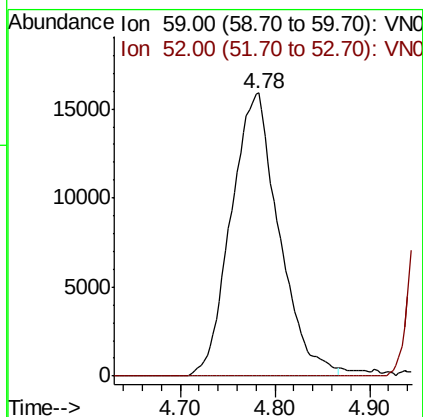
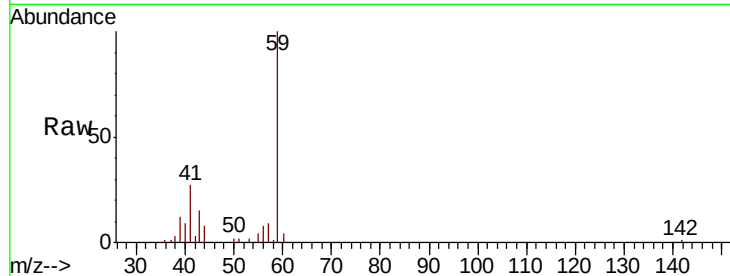


#23

tert-Butyl Alcohol
 Concen: 124.351 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

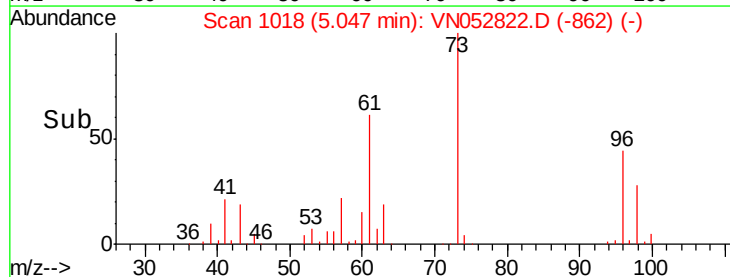
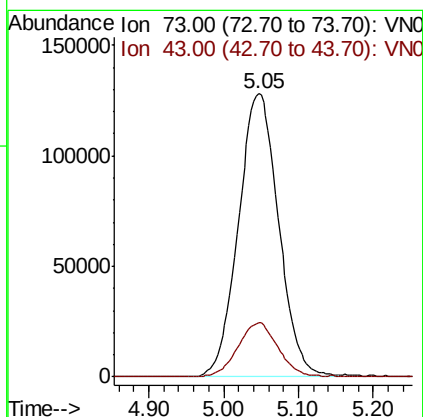
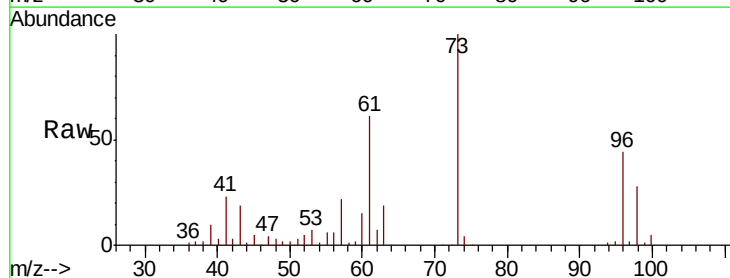
Tot Ion: 59 Resp: 55942
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

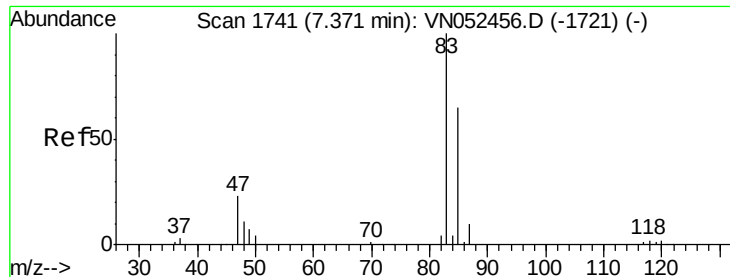


#24

Methyl tert-Butyl Ether
 Concen: 21.868 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion: 73 Resp: 479220
 Ion Ratio Lower Upper
 73 100
 43 18.8 15.8 23.8

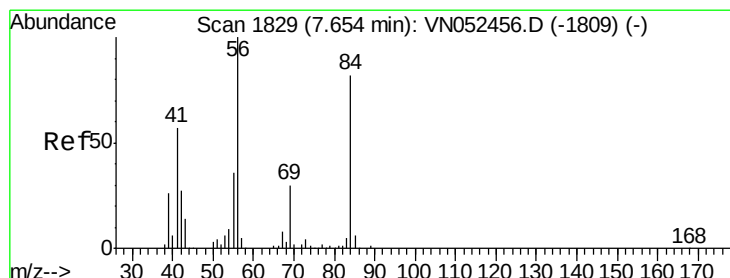
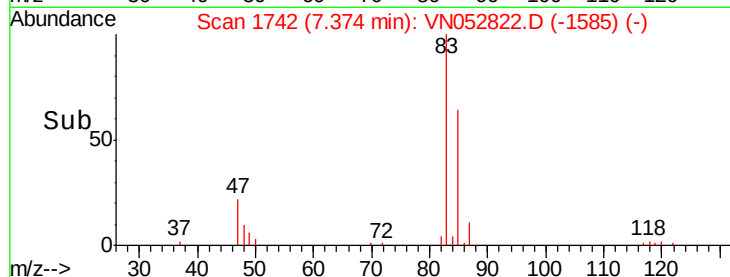
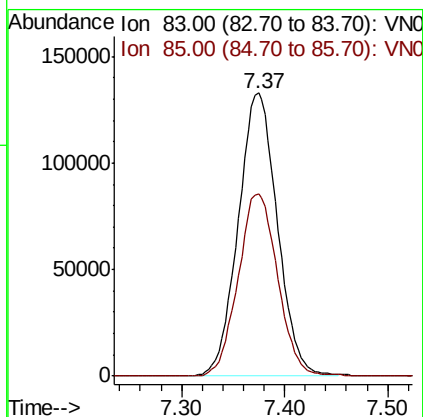
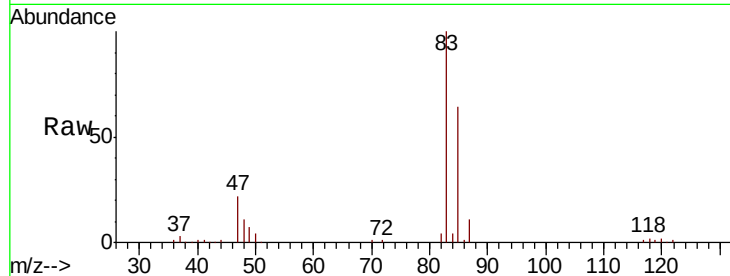




#25
Chloroform
Concen: 20.807 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

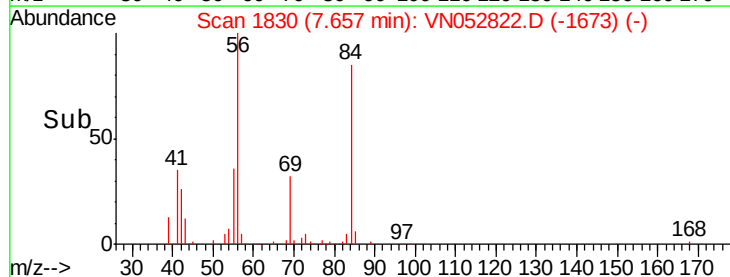
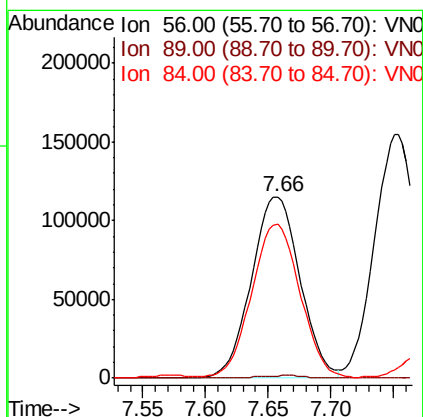
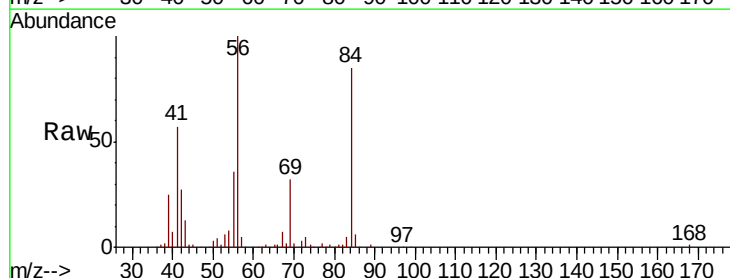
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

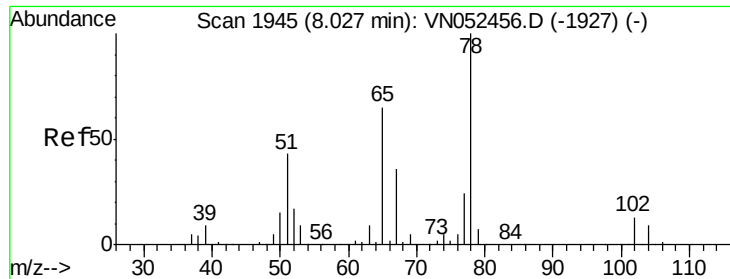
Tot Ion: 83 Resp: 350250
Ion Ratio Lower Upper
83 100
85 64.3 51.7 77.5



#26
Cyclohexane
Concen: 18.870 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 56 Resp: 310549
Ion Ratio Lower Upper
56 100
89 0.5 0.5 0.7#
84 85.0 66.2 99.2

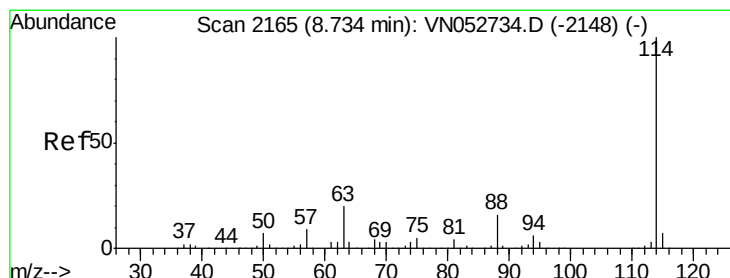
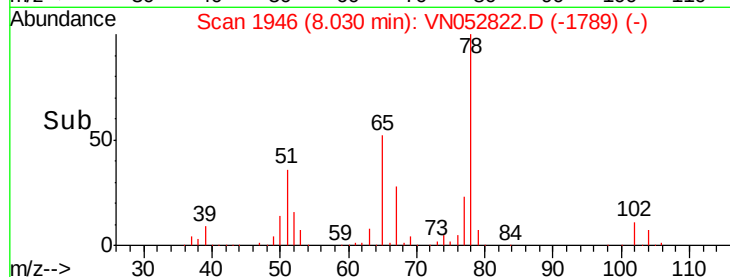
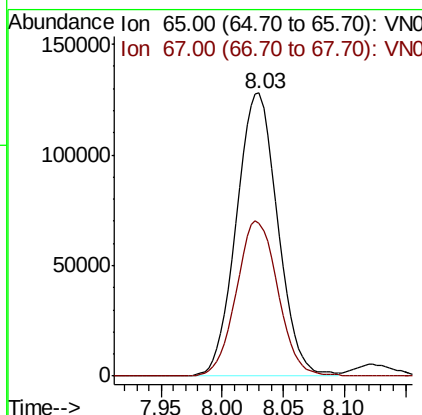
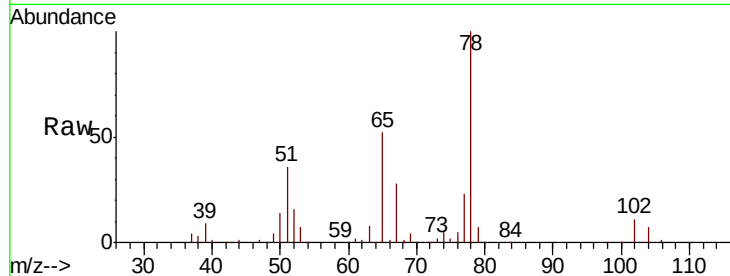




#27
 1,2-Dichloroethane-d4
 Concen: 18.870 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

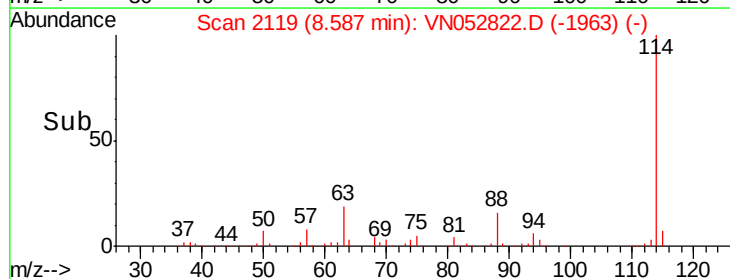
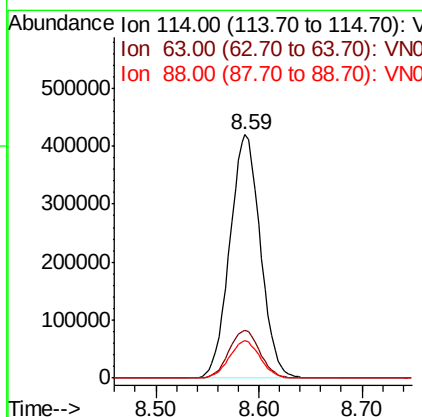
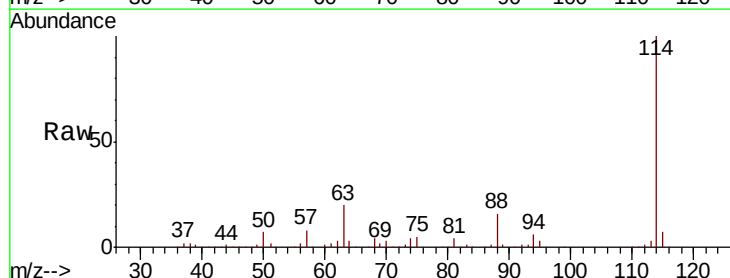
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

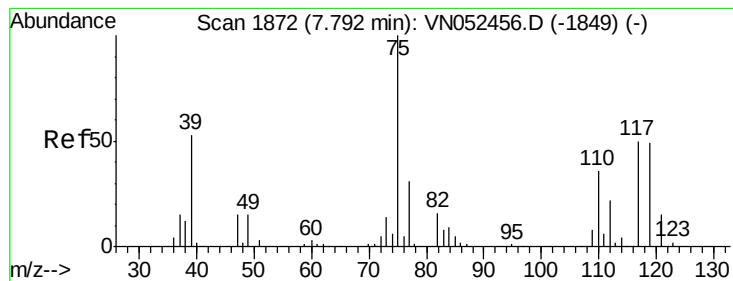
Tot Ion: 65 Resp: 300602
 Ion Ratio Lower Upper
 65 100
 67 55.4 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion: 114 Resp: 868845
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.9 25.3
 88 15.6 12.8 19.2





#29

1,1-Dichloropropene

Concen: 20.133 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

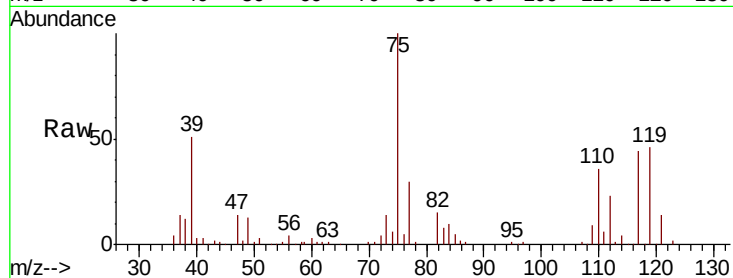
Tot Ion: 75 Resp: 267121

Ion Ratio Lower Upper

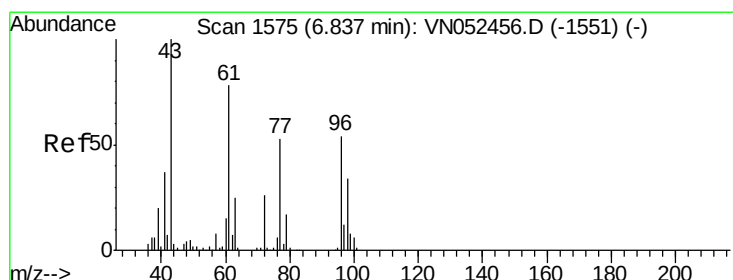
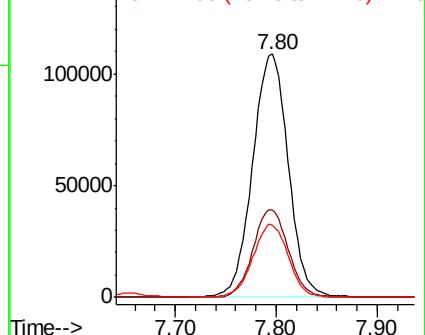
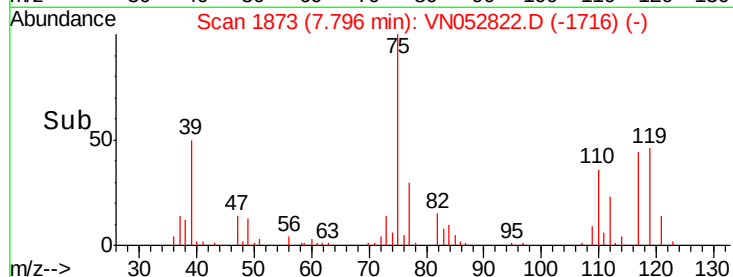
75 100

110 35.6 0.0 70.2

77 30.1 0.0 62.6



Abundance Ion 75.00 (74.70 to 75.70): VN052822.D (-1716) (-)



#30

2-Butanone

Concen: 103.282 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

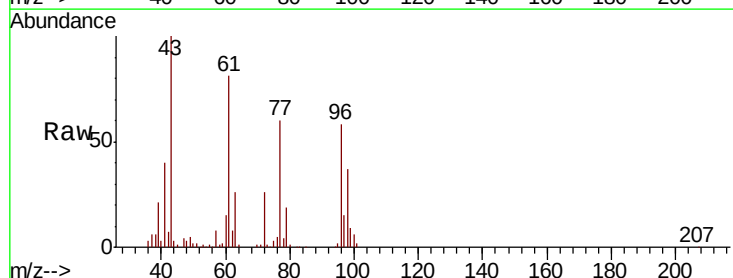
Tgt Ion: 43 Resp: 366686

Ion Ratio Lower Upper

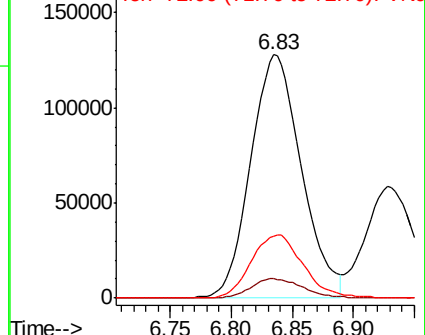
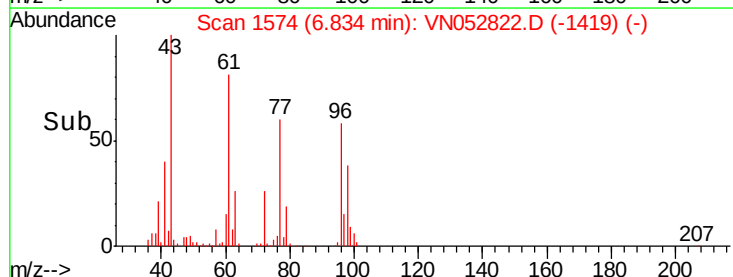
43 100

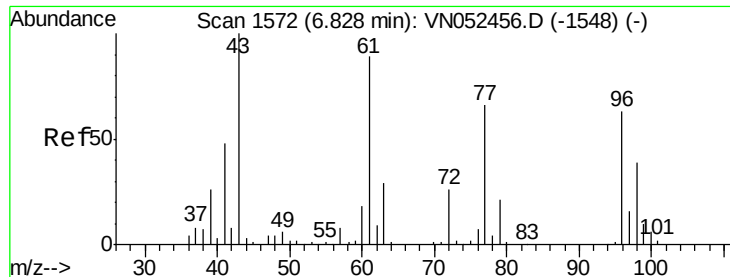
57 8.2 6.2 9.4

72 26.9 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN052822.D (-1419) (-)





#31

2,2-Dichloropropane

Concen: 20.988 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

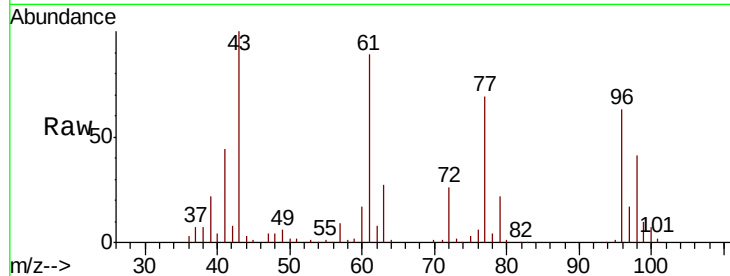
VSTDCCC020EC

Tot Ion: 77 Resp: 256368

Ion Ratio Lower Upper

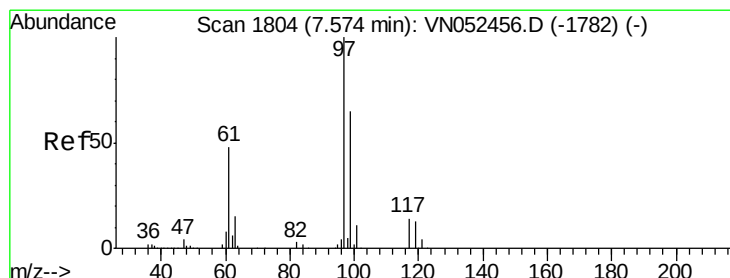
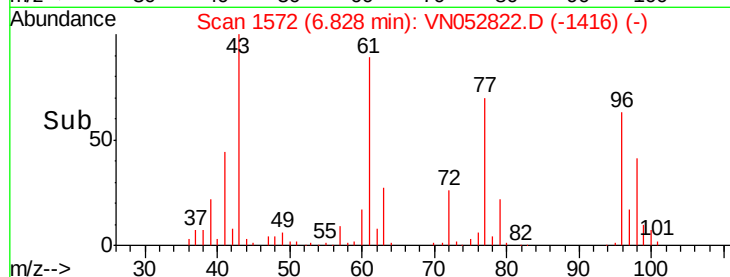
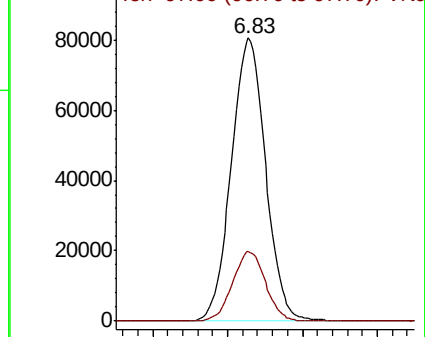
77 100

97 23.6 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.711 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

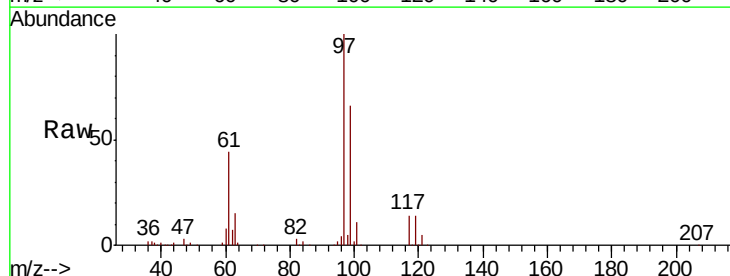
Tgt Ion: 97 Resp: 285930

Ion Ratio Lower Upper

97 100

99 65.4 50.9 76.3

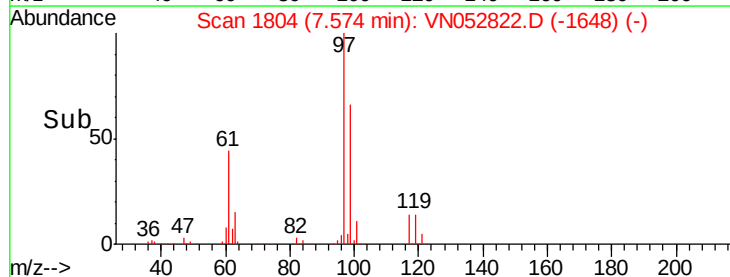
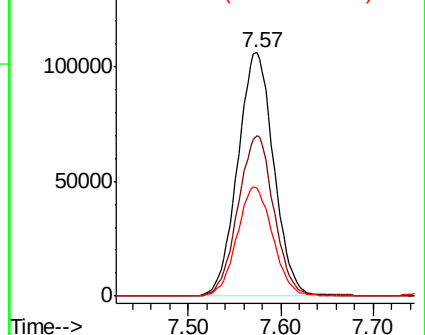
61 44.2 38.1 57.1

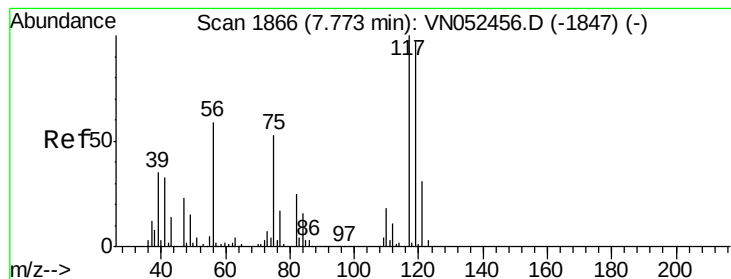


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 20.513 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

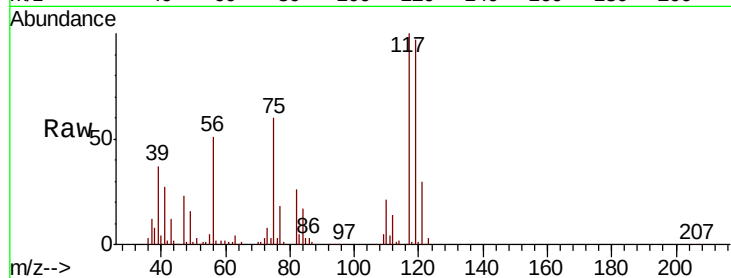
Tot Ion:117 Resp: 247792

Ion Ratio Lower Upper

117 100

119 97.0 77.3 115.9

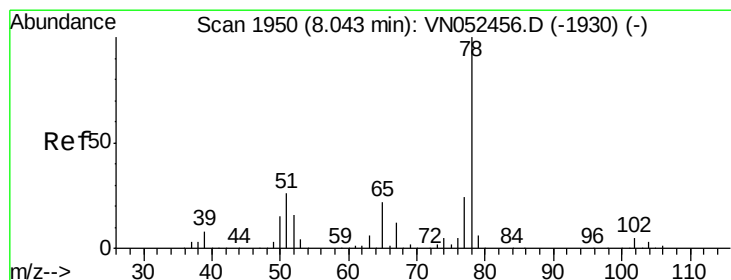
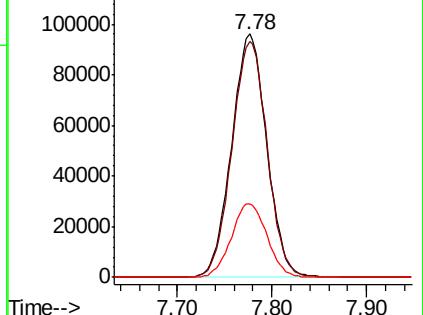
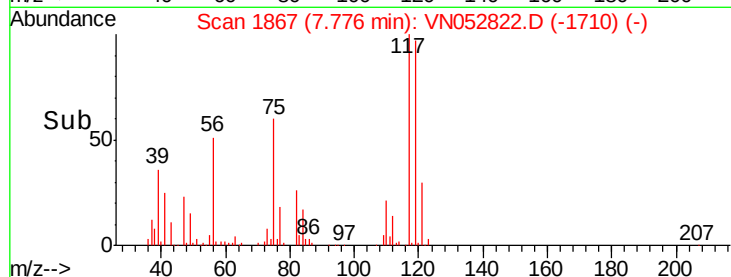
121 30.4 24.9 37.3



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: 20.294 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

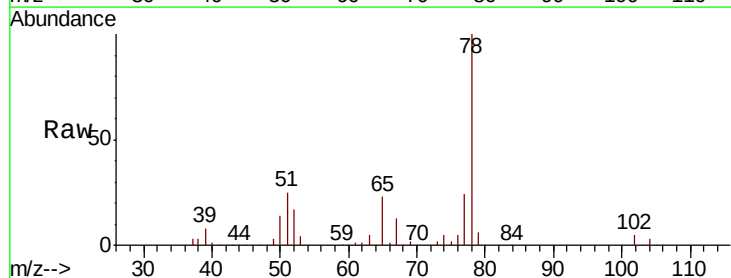
Tgt Ion: 78 Resp: 809566

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.6

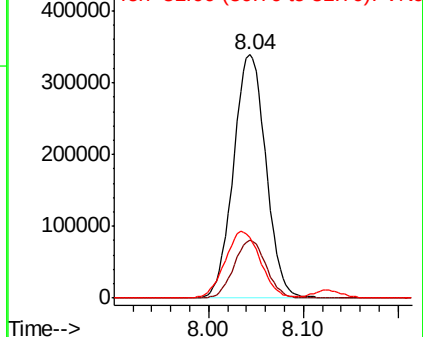
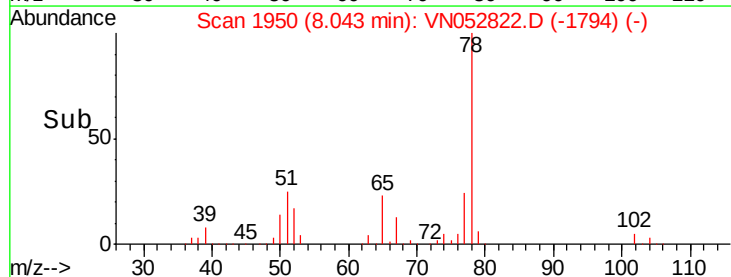
51 24.9 20.5 30.7

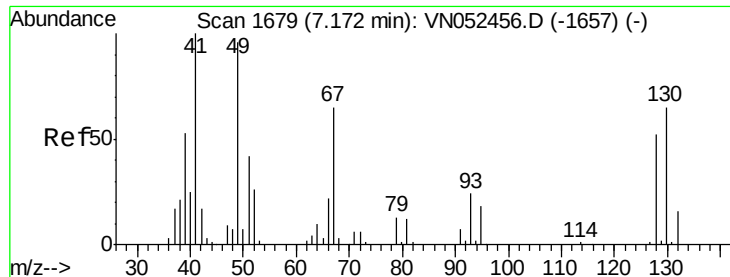


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

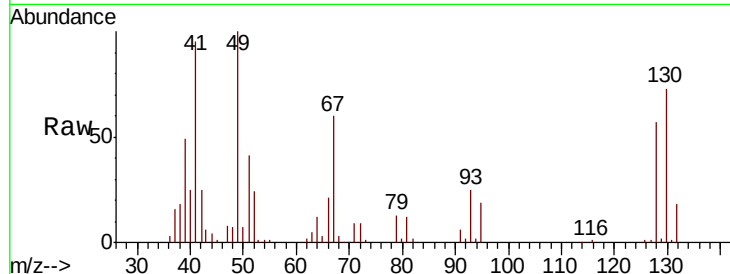




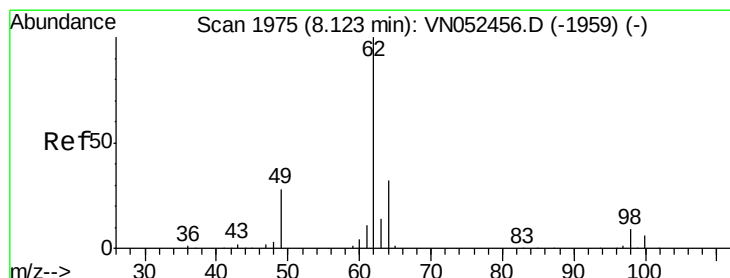
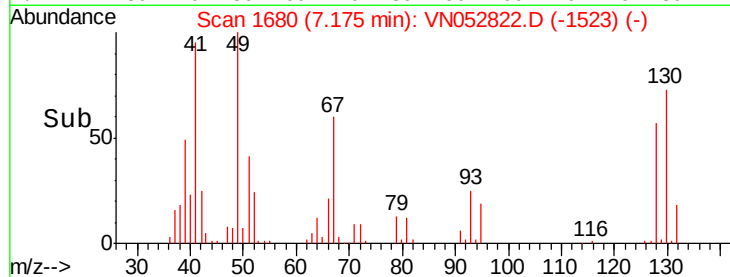
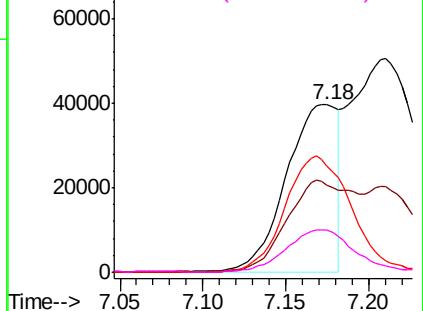
#35
Methacrylonitrile
Concen: 19.420 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	85545
Ion	Ratio	Lower	Upper
41	100		
39	51.6	26.6	79.7
67	63.3	32.3	96.9
52	25.2	13.0	38.9

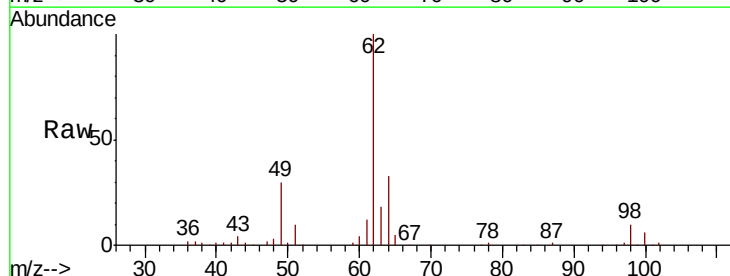


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

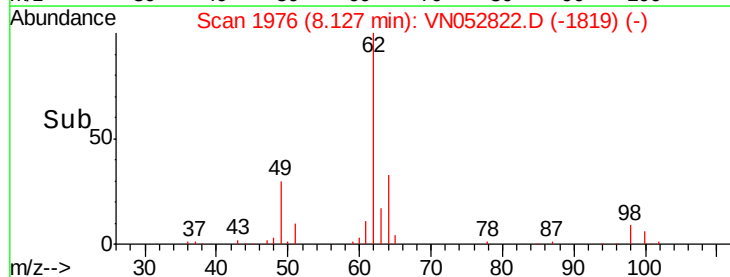
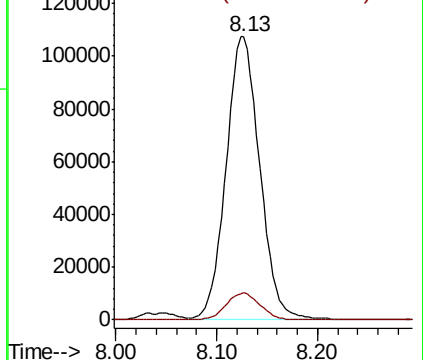


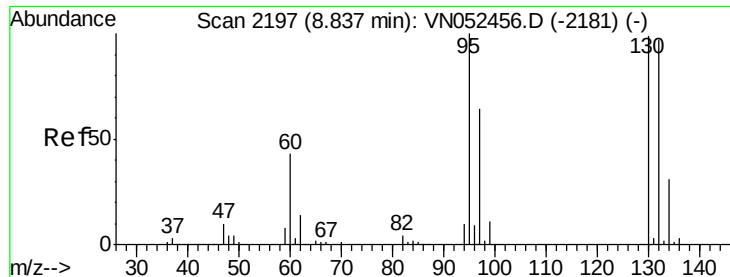
#36
1,2-Dichloroethane
Concen: 20.601 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion:	62	Resp:	249030
Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.4	11.2



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





#37

Trichloroethene

Concen: 21.348 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

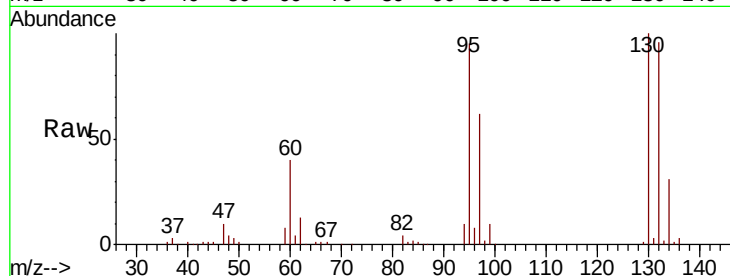
VSTDCCC020EC

Tot Ion:130 Resp: 215950

Ion Ratio Lower Upper

130 100

95 94.9 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

100000

80000

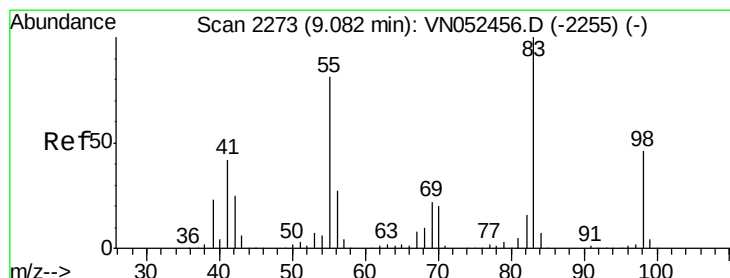
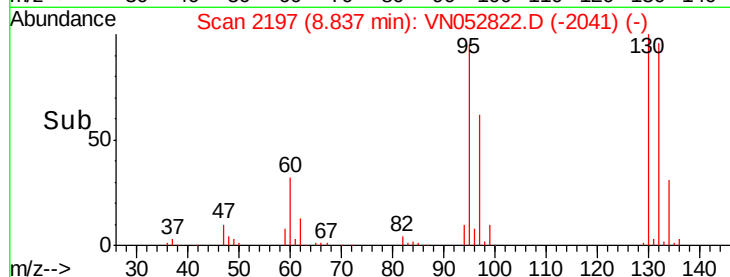
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 19.147 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

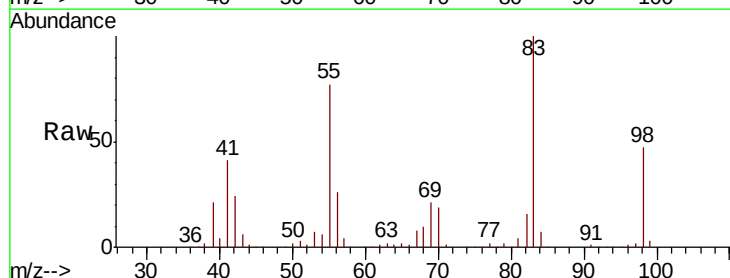
Tgt Ion: 83 Resp: 314476

Ion Ratio Lower Upper

83 100

55 76.1 39.8 119.4

98 45.9 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

200000

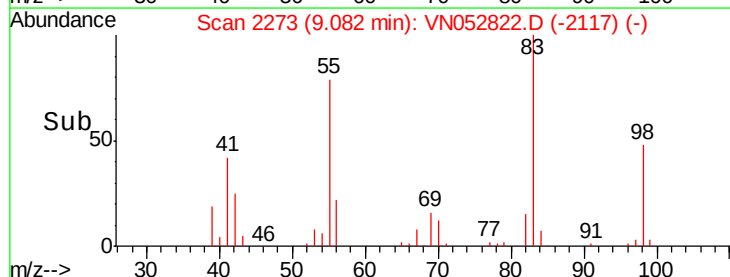
150000

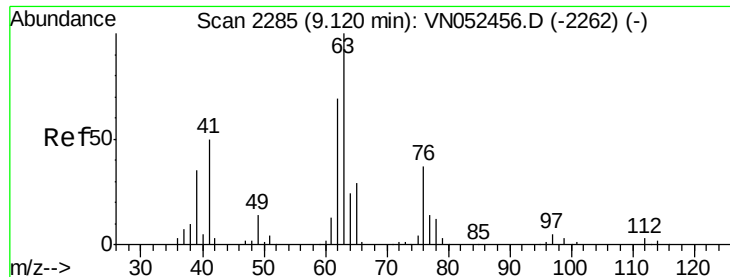
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 20.302 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

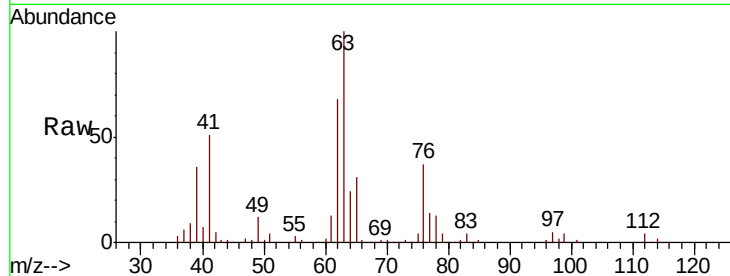
VSTDCCC020EC

Tot Ion: 63 Resp: 217090

Ion Ratio Lower Upper

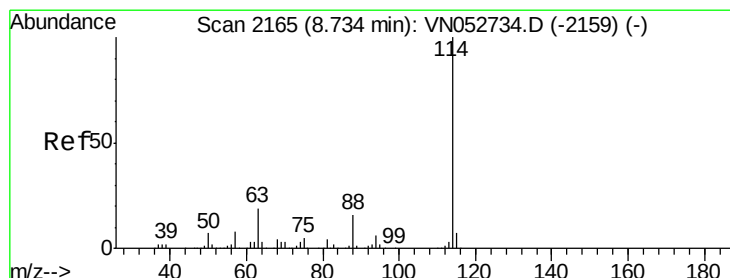
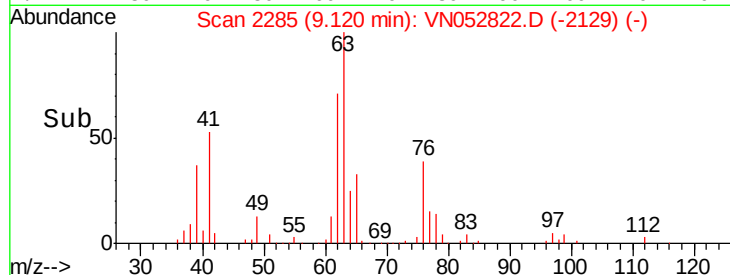
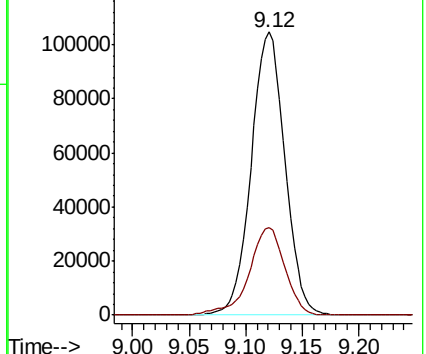
63 100

65 30.9 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.487 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

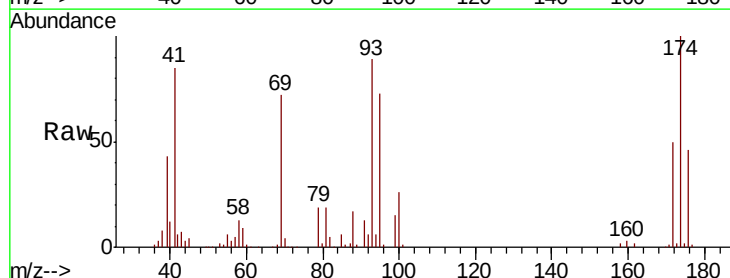
Tgt Ion: 93 Resp: 124162

Ion Ratio Lower Upper

93 100

95 83.5 0.0 168.4

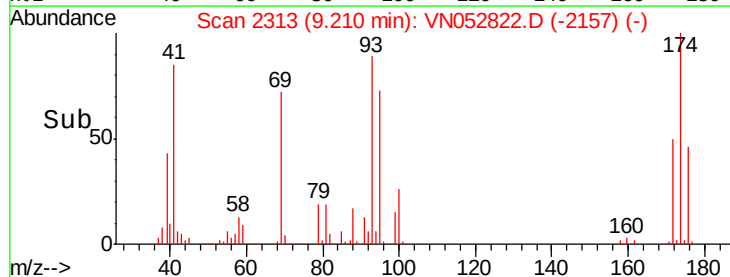
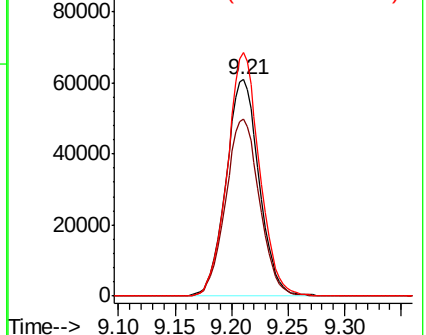
174 109.4 0.0 210.0

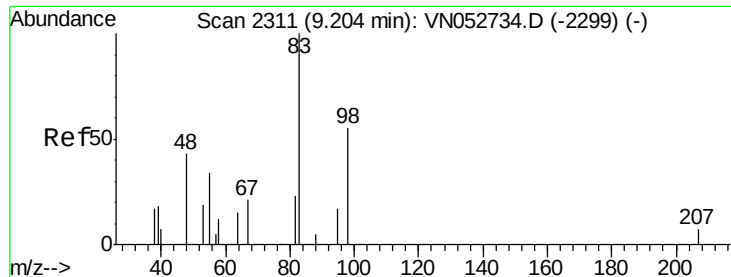


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

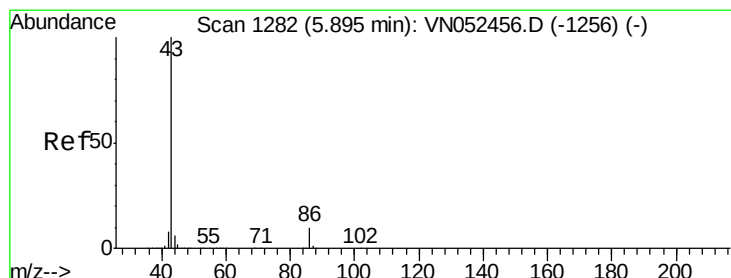
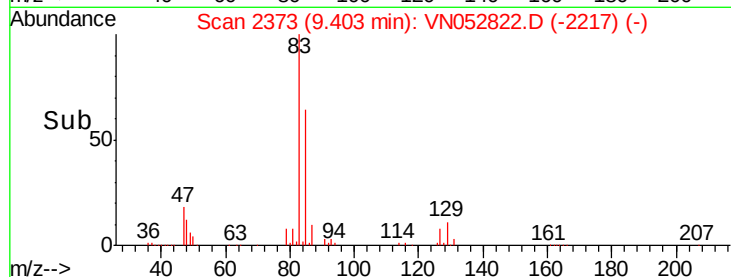
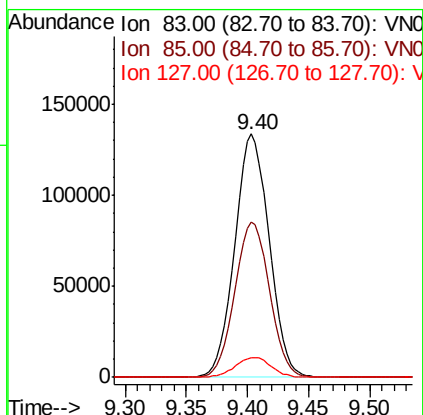
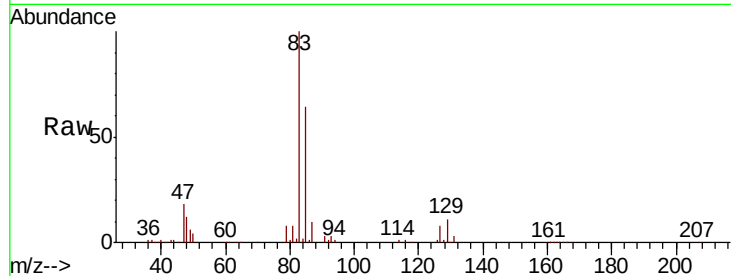




#41
 Bromodichloromethane
 Concen: 20.468 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

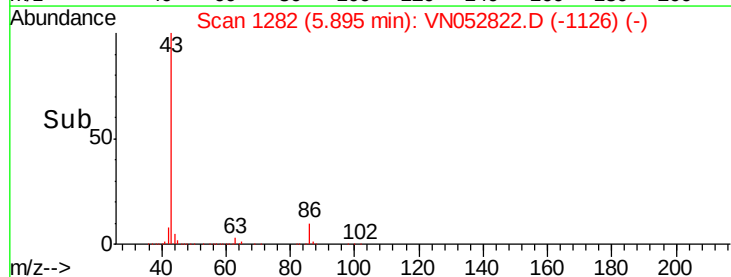
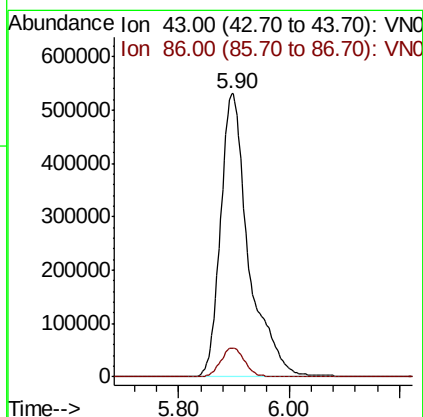
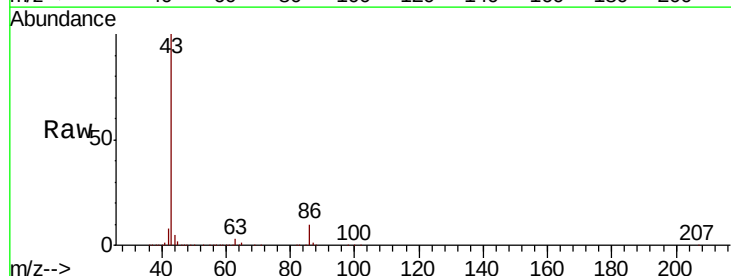
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

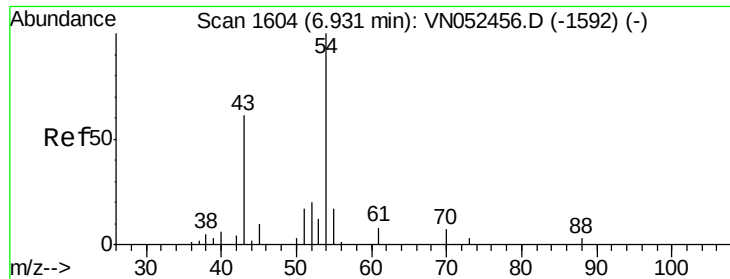
Tot Ion: 83 Resp: 261310
 Ion Ratio Lower Upper
 83 100
 85 63.9 52.4 78.6
 127 8.0 6.6 9.8



#42
 Vinyl Acetate
 Concen: 97.678 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion: 43 Resp: 1876361
 Ion Ratio Lower Upper
 43 100
 86 8.7 6.5 9.7

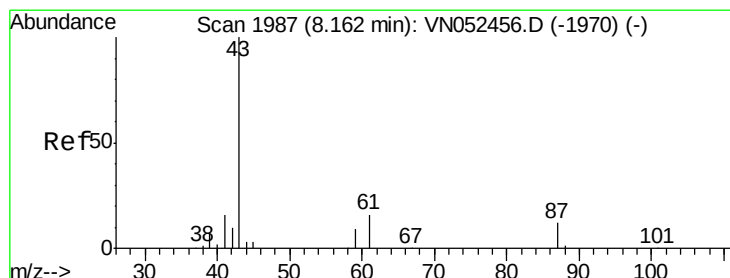
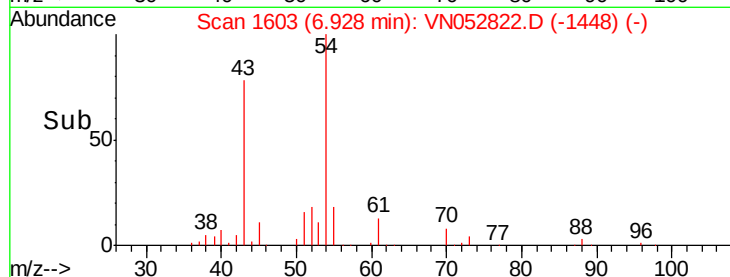
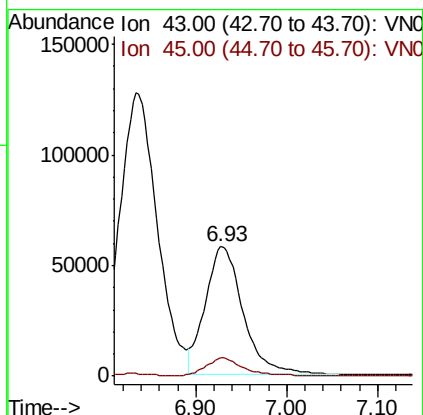
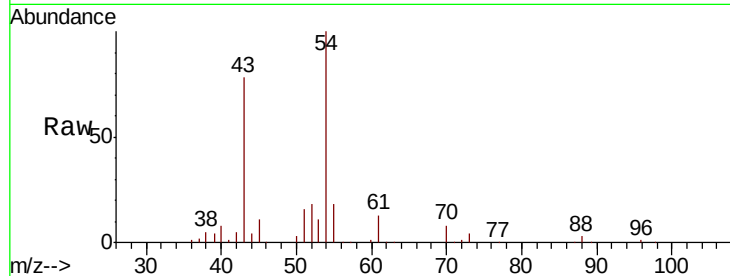




#43
Ethyl Acetate
Concen: 22.187 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

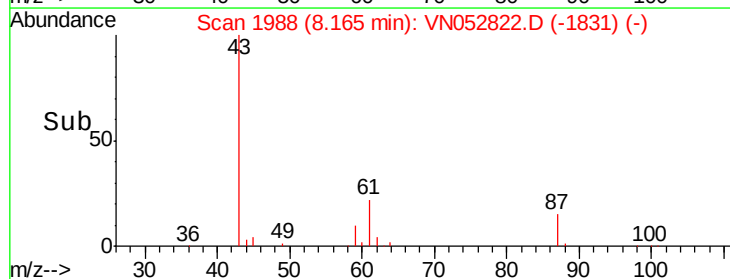
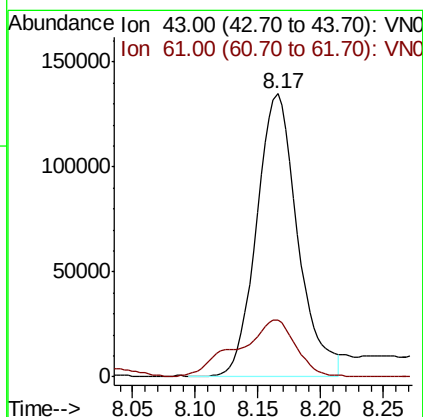
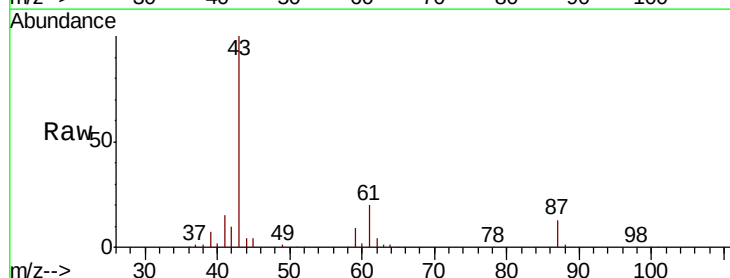
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

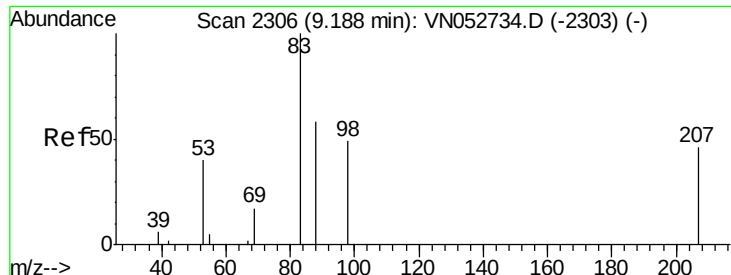
Tot Ion: 43 Resp: 167499
Ion Ratio Lower Upper
43 100
45 12.5 1.0 1.6#



#44
Isopropyl Acetate
Concen: 23.121 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 43 Resp: 306131
Ion Ratio Lower Upper
43 100
61 17.3 16.0 24.0





#45

1,4-Dioxane

Concen: 474.096 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

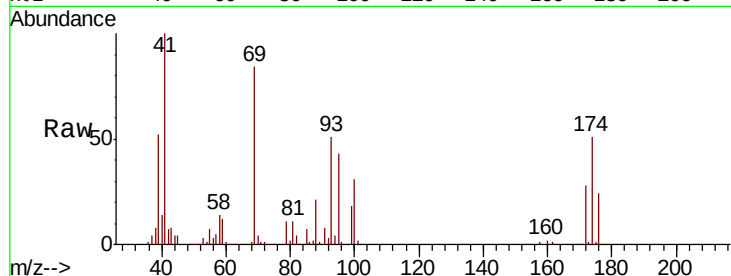
Tot Ion: 88 Resp: 34340

Ion Ratio Lower Upper

88 100

43 35.6 29.5 44.3

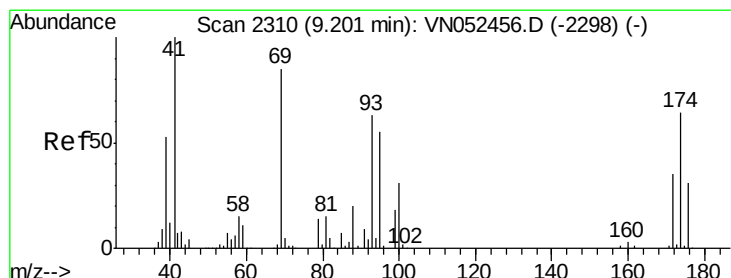
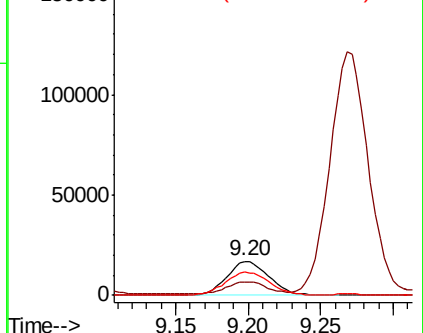
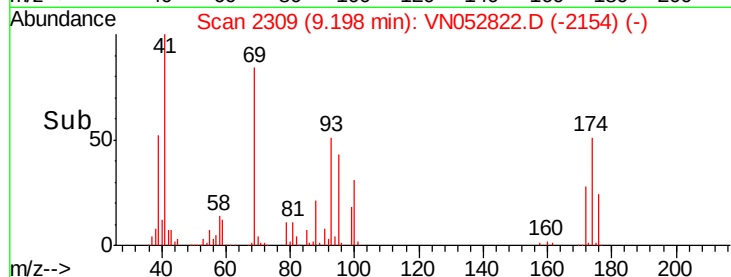
58 72.1 61.5 92.3



Abundance Ion 88.00 (87.70 to 88.70): VN052822.D (-2154) (-)

Ion 43.00 (42.70 to 43.70): VN052822.D (-2154) (-)

Ion 58.00 (57.70 to 58.70): VN052822.D (-2154) (-)



#46

Methyl methacrylate

Concen: 21.501 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

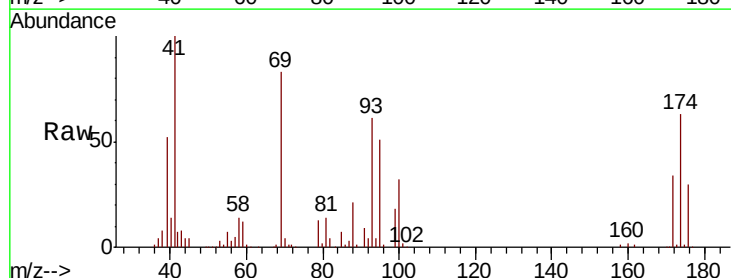
Tgt Ion: 41 Resp: 147808

Ion Ratio Lower Upper

41 100

69 85.2 42.5 127.6

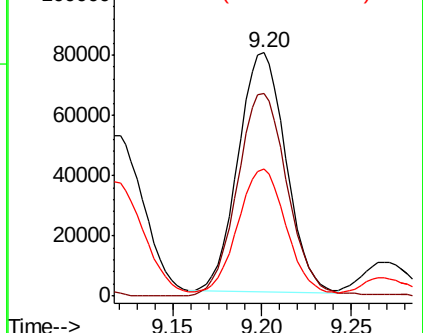
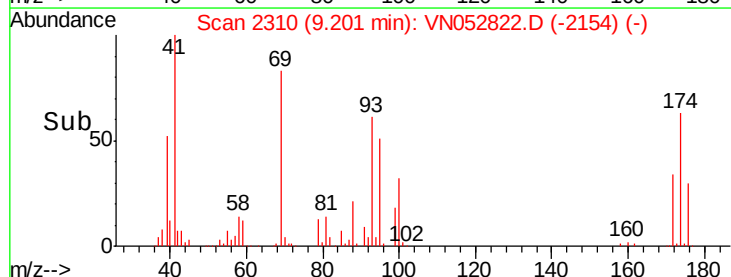
39 52.0 26.3 78.9

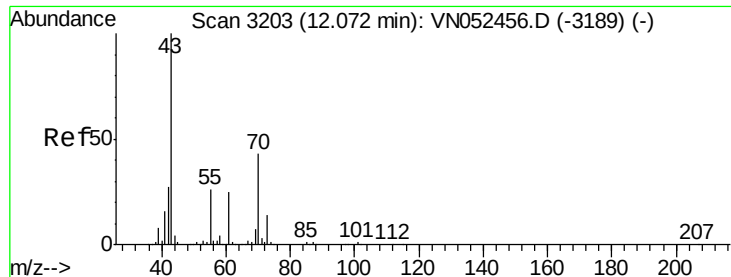


Abundance Ion 41.00 (40.70 to 41.70): VN052822.D (-2154) (-)

Ion 69.00 (68.70 to 69.70): VN052822.D (-2154) (-)

Ion 39.00 (38.70 to 39.70): VN052822.D (-2154) (-)





#47

n-amvl Acetate

Concen: 22.572 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

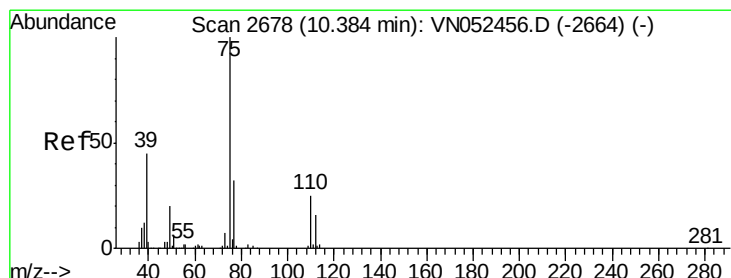
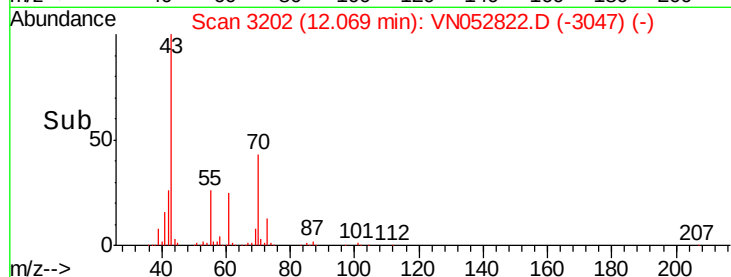
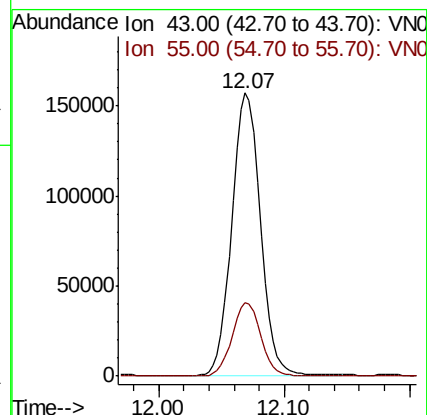
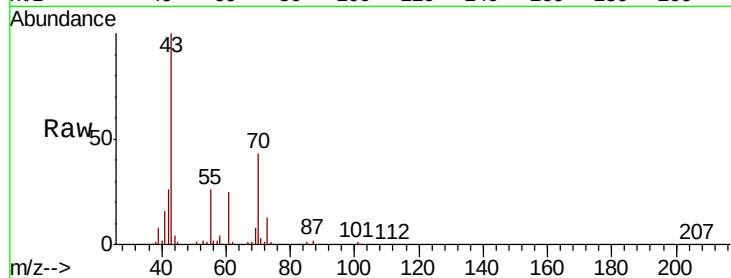
VSTDCCC020EC

Tot Ion: 43 Resp: 247797

Ion Ratio Lower Upper

43 100

55 26.1 21.1 31.7



#48

t-1,3-Dichloropropene

Concen: 20.803 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052822.D

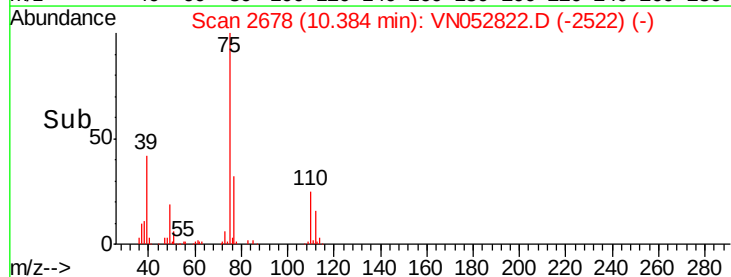
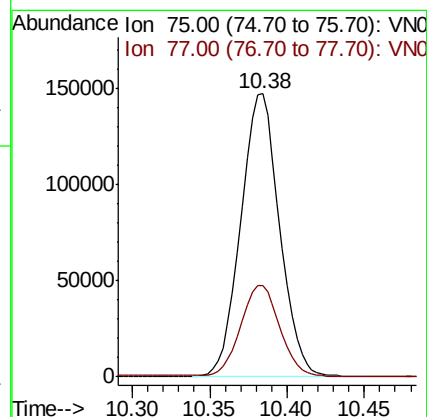
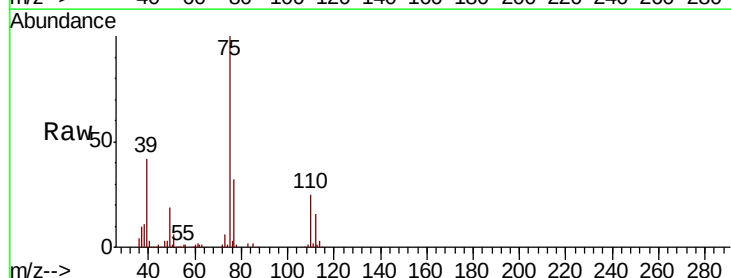
Acq: 12 Dec 2018 12:56

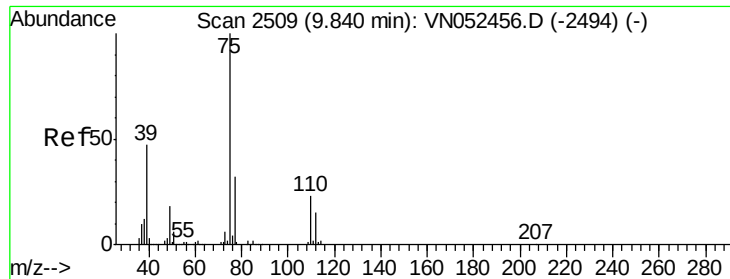
Tgt Ion: 75 Resp: 257516

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 20.480 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

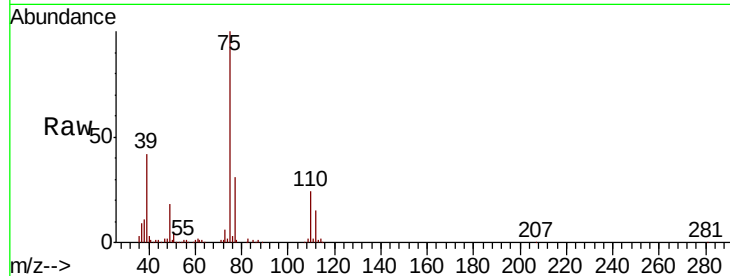
Tot Ion: 75 Resp: 308870

Ion Ratio Lower Upper

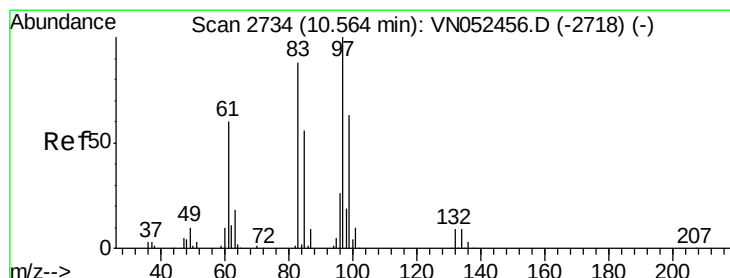
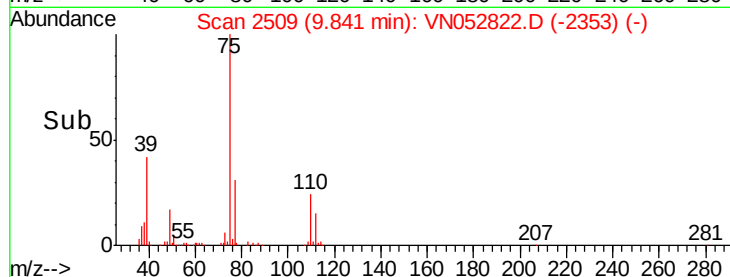
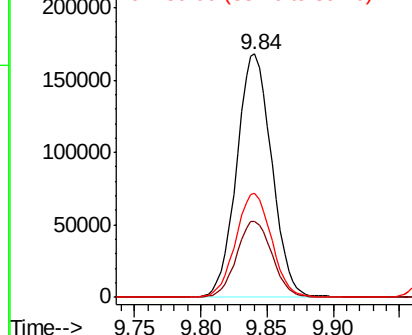
75 100

77 31.1 25.4 38.0

39 42.4 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: 21.764 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Tgt Ion: 97 Resp: 178273

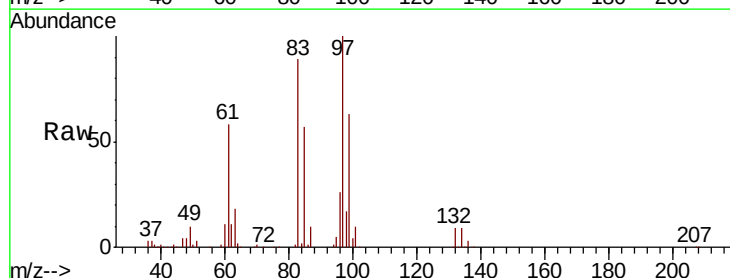
Ion Ratio Lower Upper

97 100

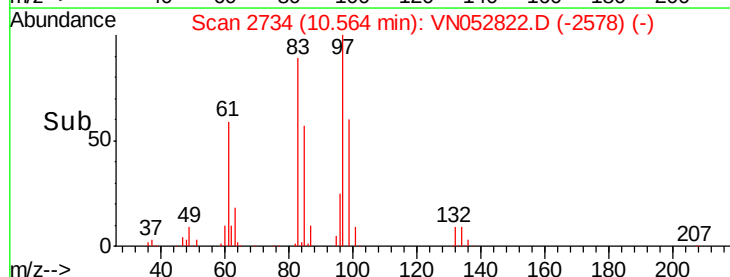
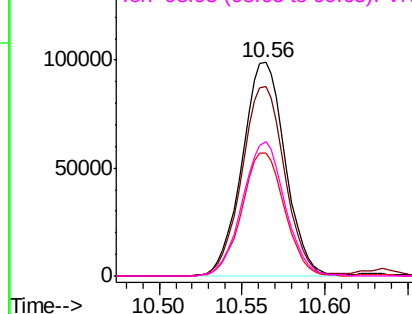
83 88.6 70.4 105.6

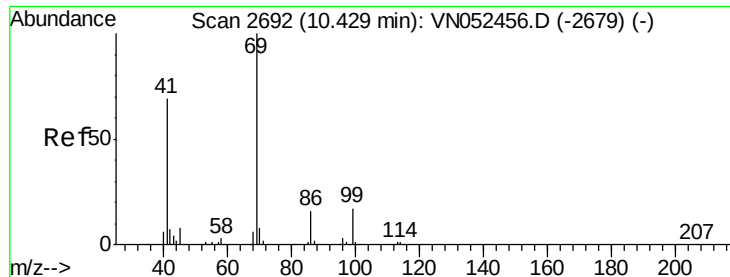
85 57.4 45.0 67.6

99 63.0 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: 22.217 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

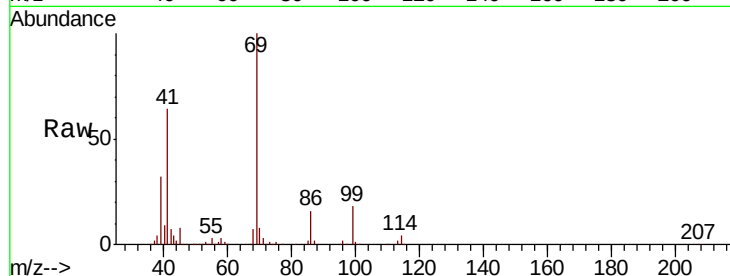
Tot Ion: 69 Resp: 228559

Ion Ratio Lower Upper

69 100

41 63.2 34.4 103.3

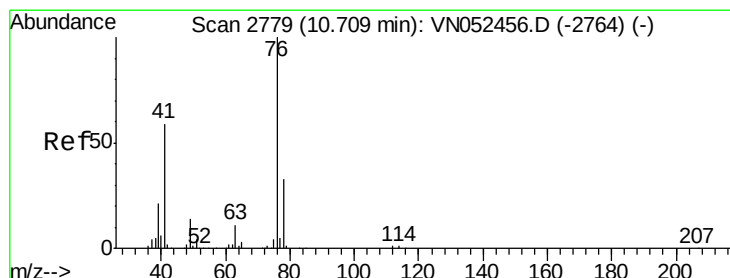
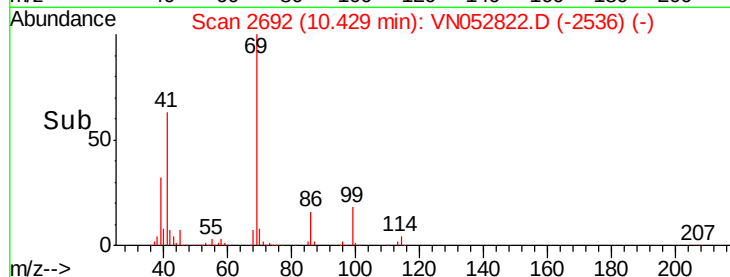
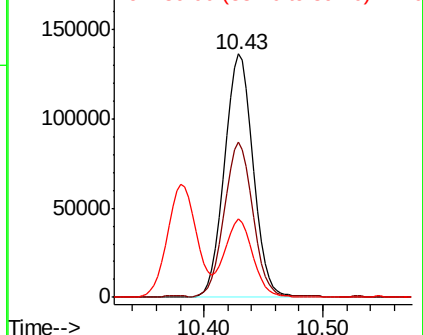
39 31.7 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 21.126 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052822.D

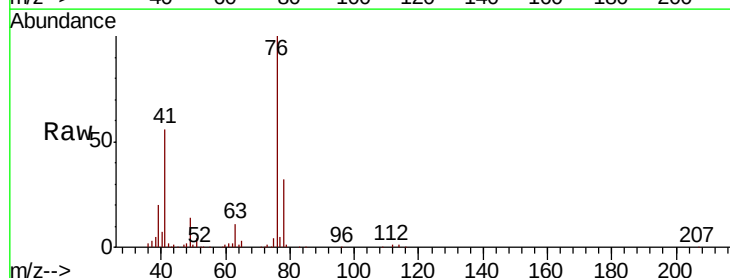
Acq: 12 Dec 2018 12:56

Tgt Ion: 76 Resp: 308011

Ion Ratio Lower Upper

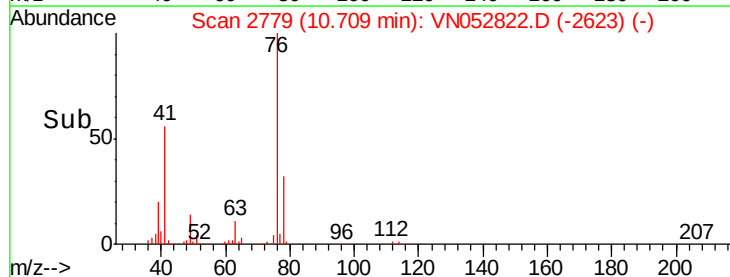
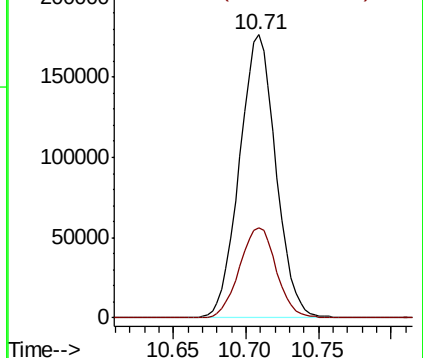
76 100

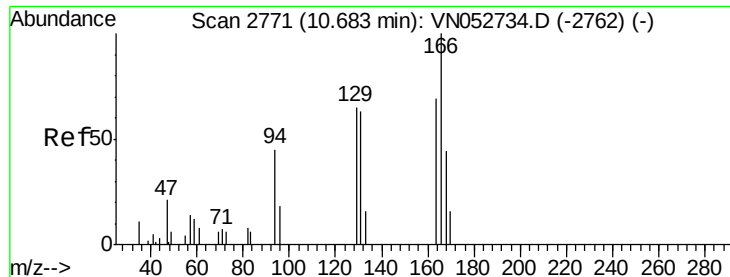
78 32.2 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 21.397 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

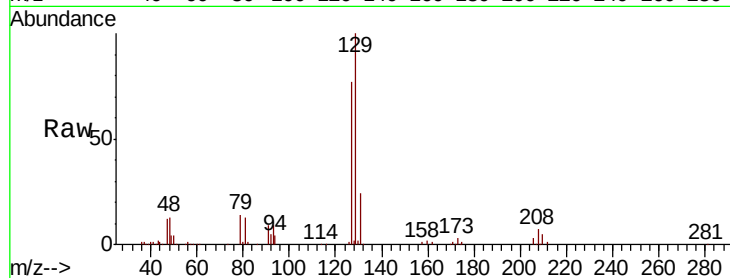
VSTDCCC020EC

Tot Ion:129 Resp: 192961

Ion Ratio Lower Upper

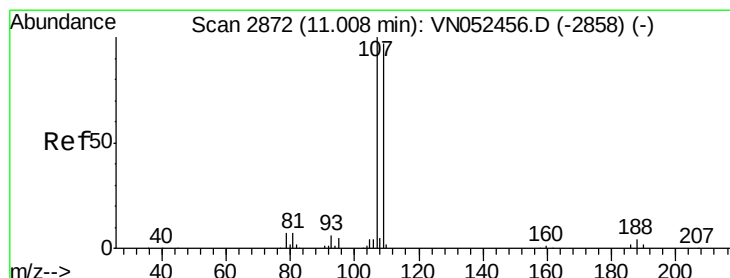
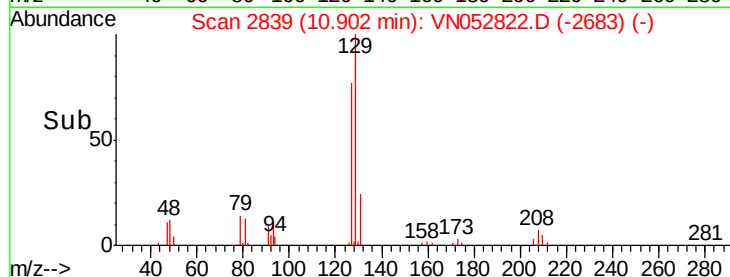
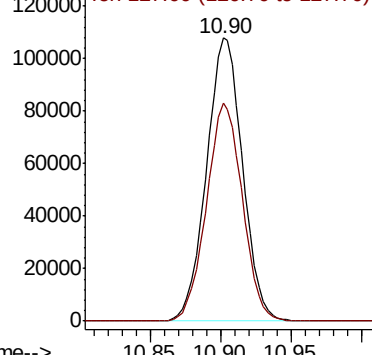
129 100

127 76.7 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.762 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052822.D

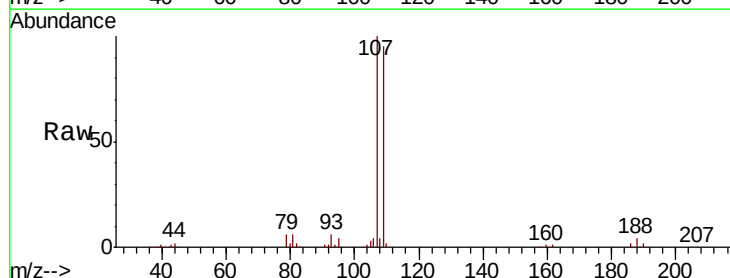
Acq: 12 Dec 2018 12:56

Tgt Ion:107 Resp: 174180

Ion Ratio Lower Upper

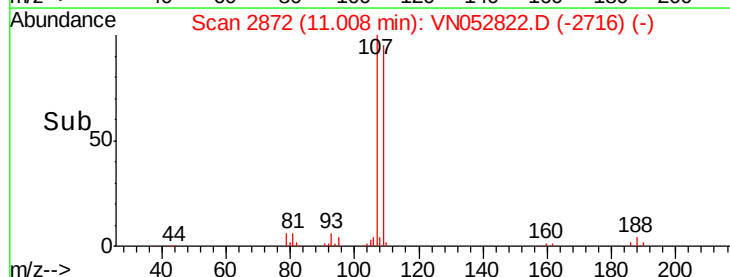
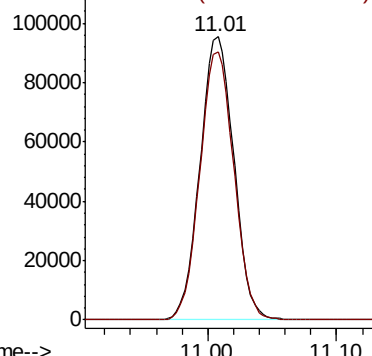
107 100

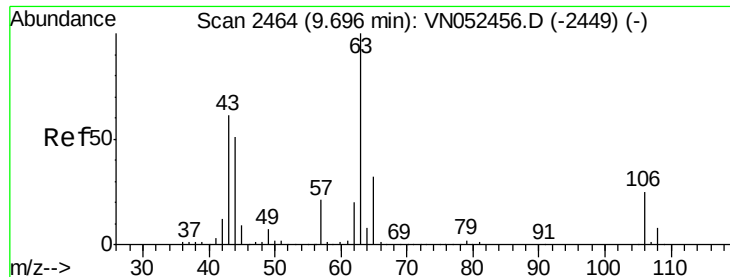
109 95.0 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

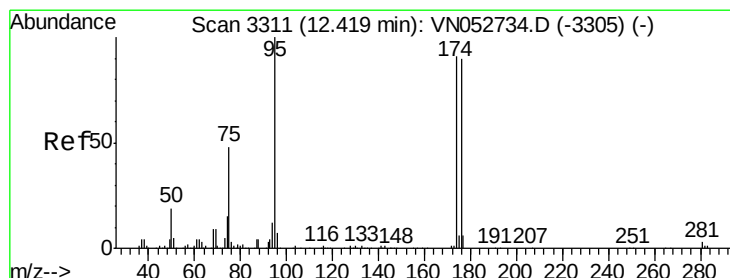
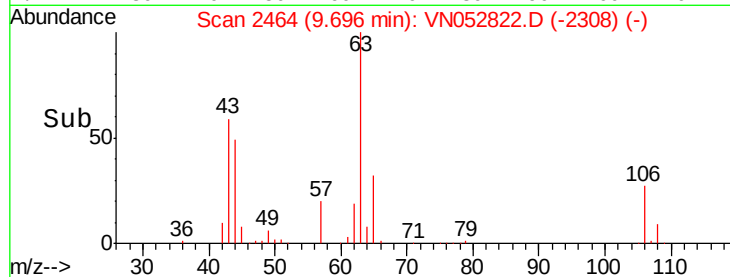
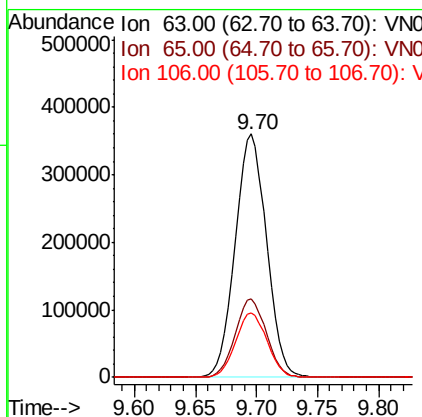
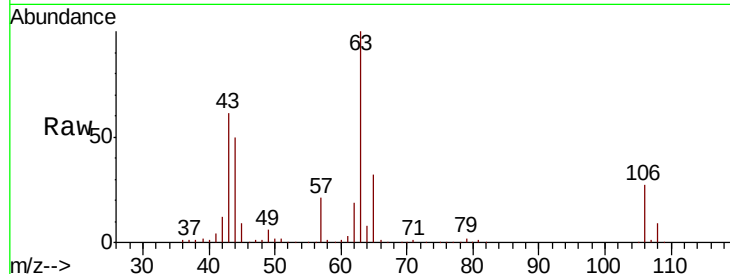




#55
2-Chloroethyl vinyl ether
Concen: 106.678 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

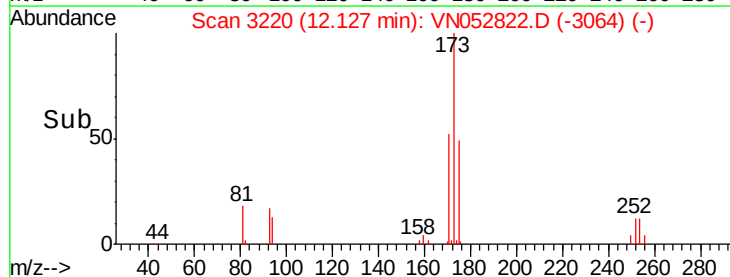
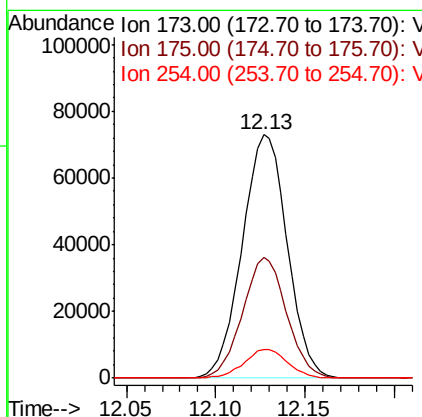
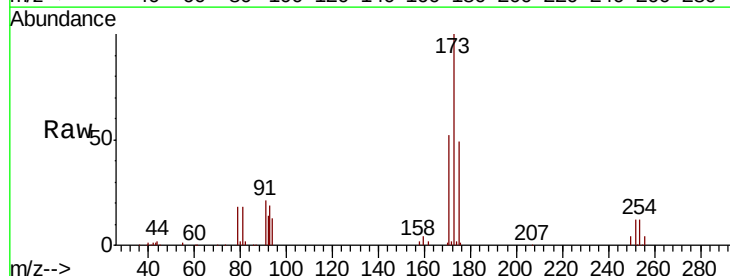
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

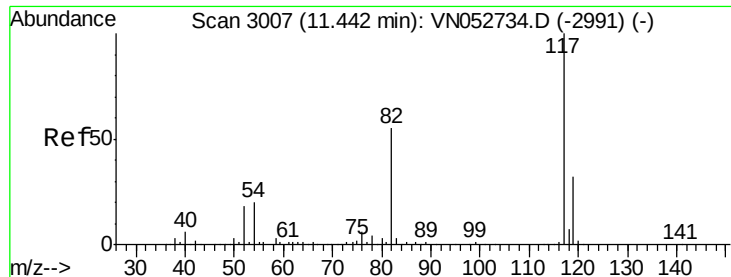
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.4	38.2
106	26.5	20.4	30.6



#56
Bromoform
Concen: 21.781 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.7	58.1
254	11.4	8.4	12.6

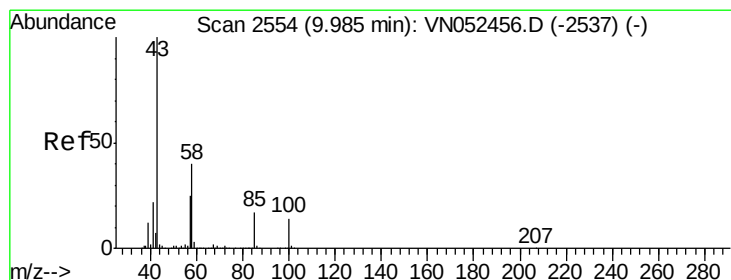
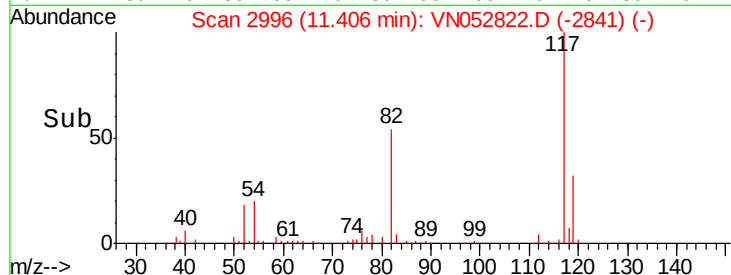
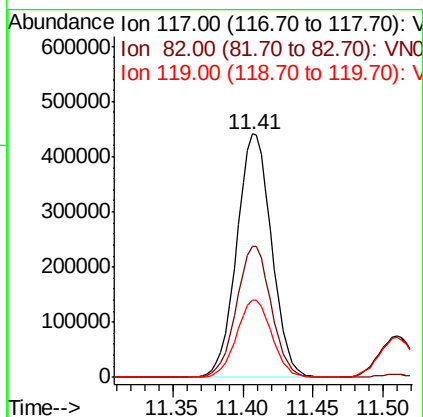
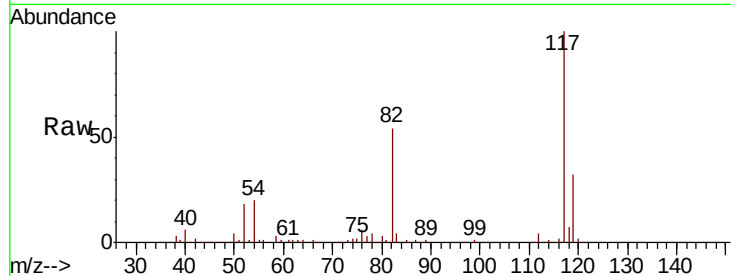




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

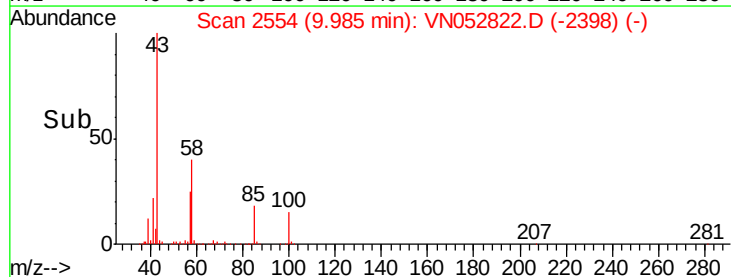
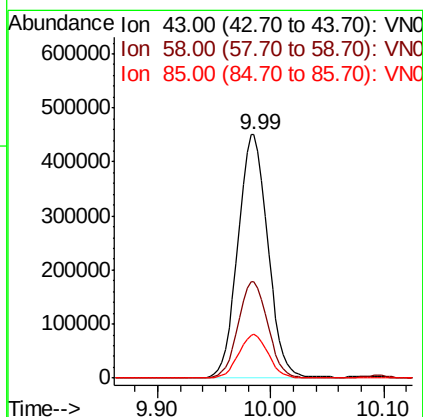
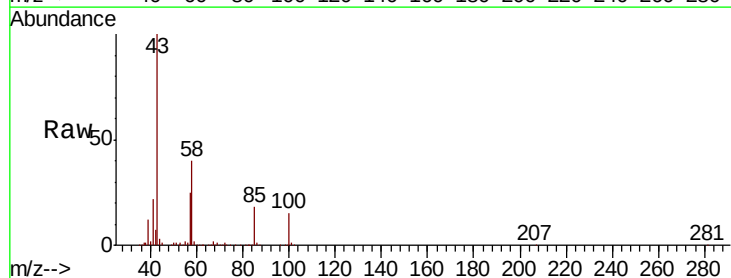
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

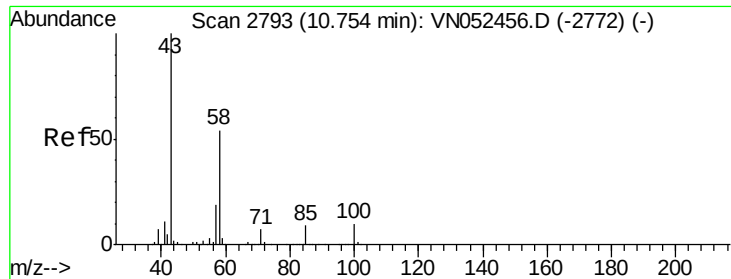
Tot Ion:117 Resp: 762199
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 32.0 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 112.046 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 43 Resp: 827944
Ion Ratio Lower Upper
43 100
58 39.6 31.6 47.4
85 17.8 13.3 19.9

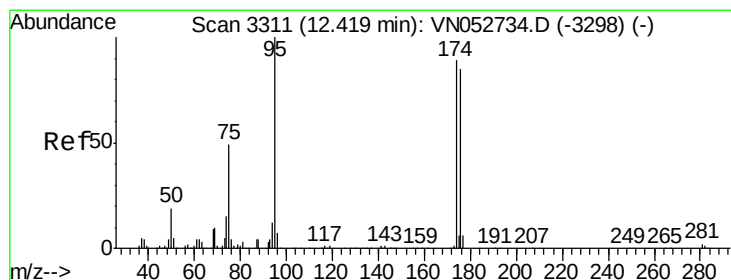
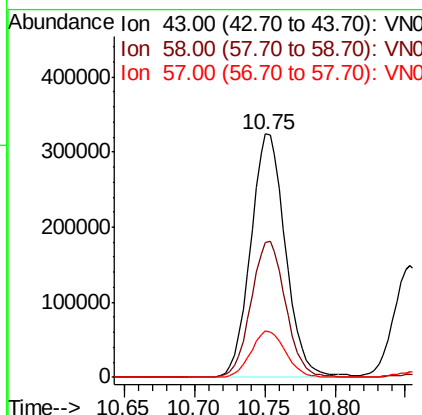
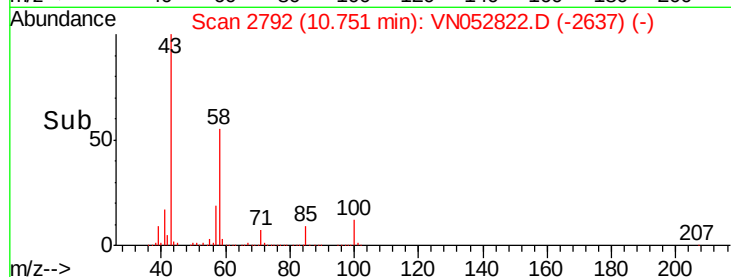
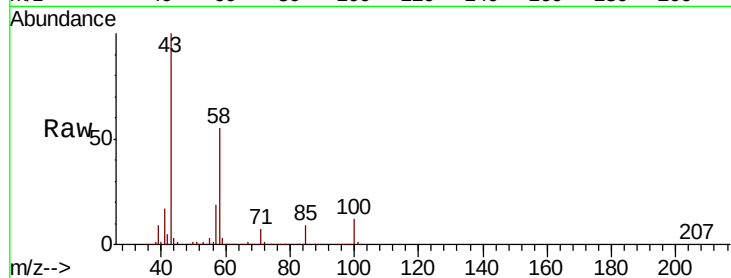




#59
2-Hexanone
Concen: 110.151 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

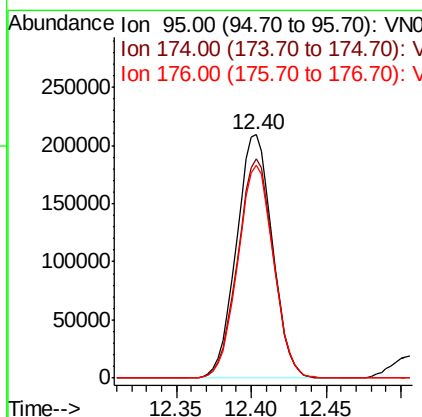
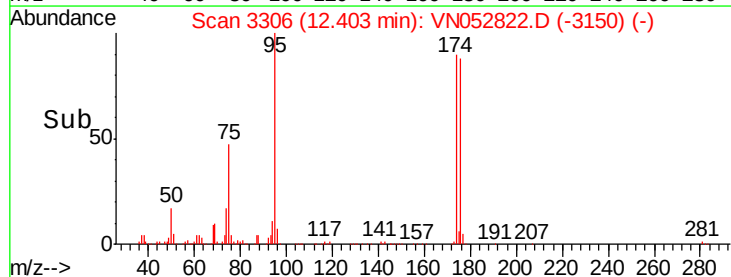
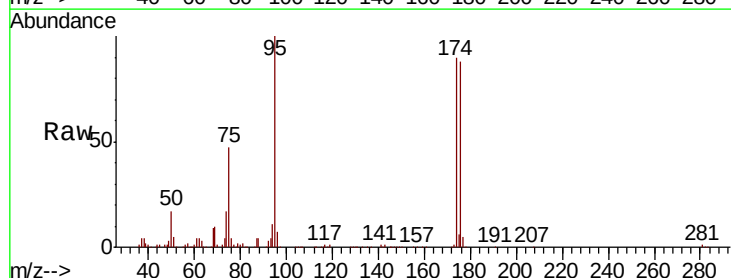
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

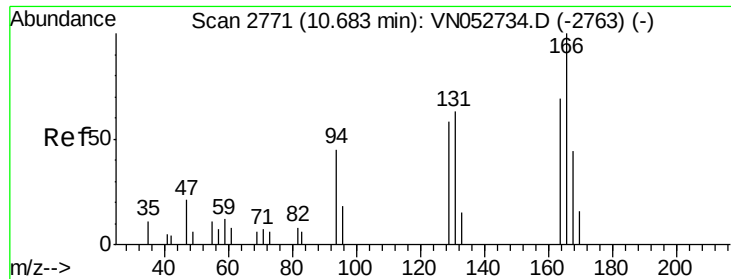
Tot Ion: 43 Resp: 556015
Ion Ratio Lower Upper
43 100
58 55.9 43.2 64.8
57 19.1 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 110.151 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 95 Resp: 351244
Ion Ratio Lower Upper
95 100
174 88.9 67.9 101.9
176 86.7 66.4 99.6





#61

Tetrachloroethene

Concen: 24.178 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 226970

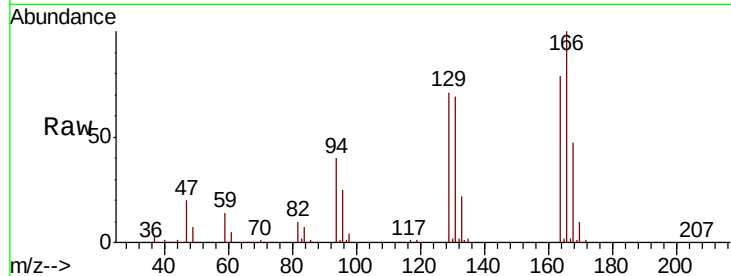
Ion Ratio Lower Upper

164 100

166 126.0 104.6 157.0

129 89.3 75.3 112.9

131 87.4 74.3 111.5

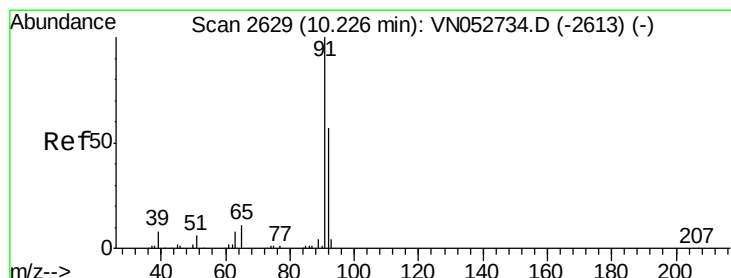
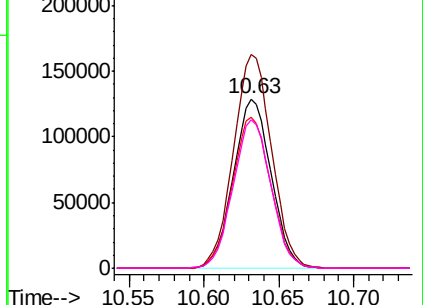
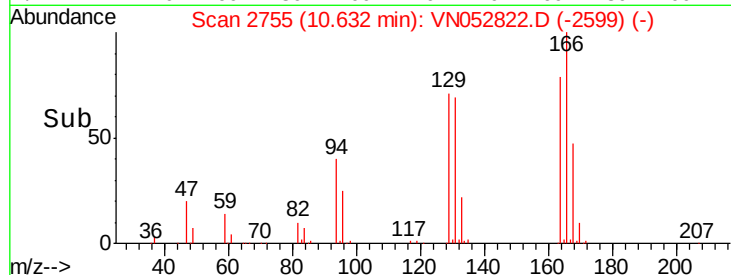


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.580 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052822.D

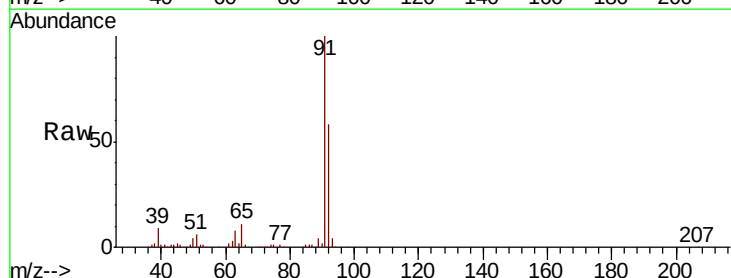
Acq: 12 Dec 2018 12:56

Tgt Ion: 91 Resp: 864740

Ion Ratio Lower Upper

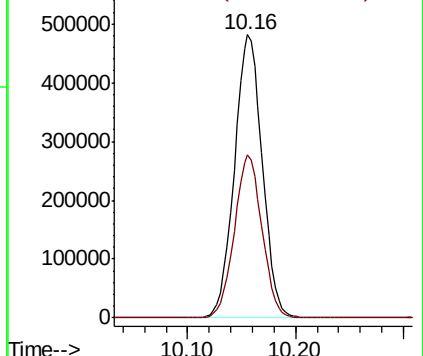
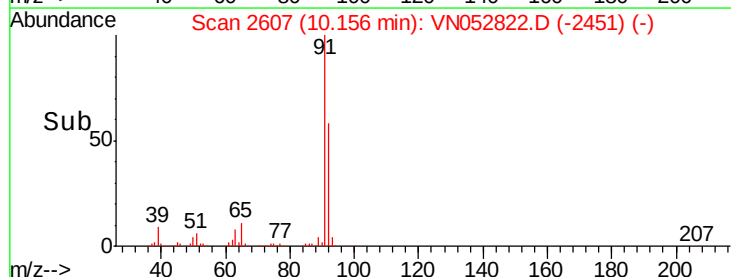
91 100

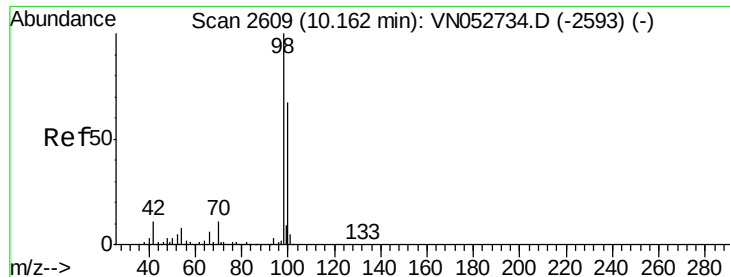
92 57.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.580 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

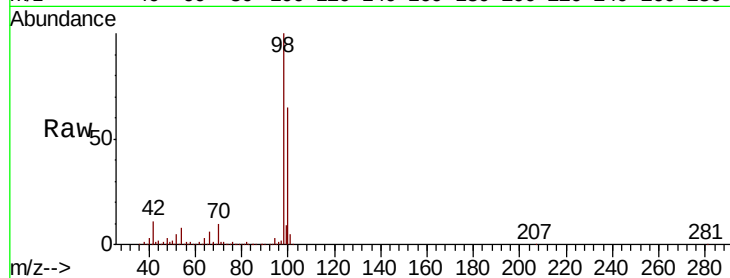
VSTDCCC020EC

Tot Ion: 98 Resp: 1034227

Ion Ratio Lower Upper

98 100

100 64.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052822.D (-2593) (-)

Ion 100.00 (99.70 to 100.70): VN052822.D (-2593) (-)

10.09

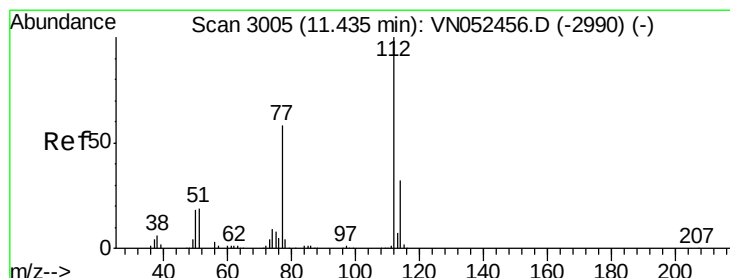
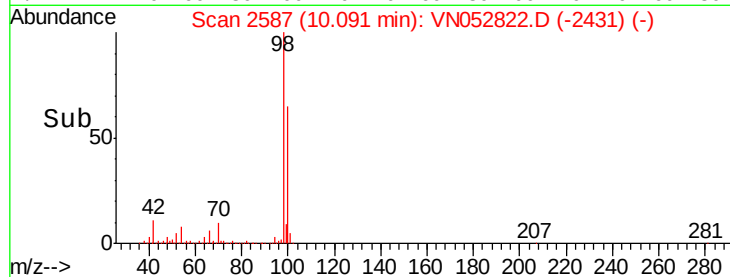
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 21.024 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052822.D

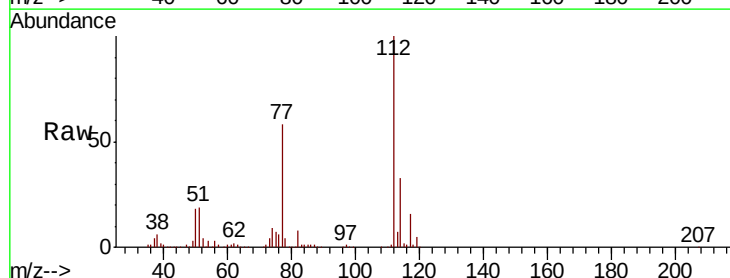
Acq: 12 Dec 2018 12:56

Tgt Ion: 112 Resp: 539193

Ion Ratio Lower Upper

112 100

114 32.6 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052822.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN052822.D (-2849) (-)

11.43

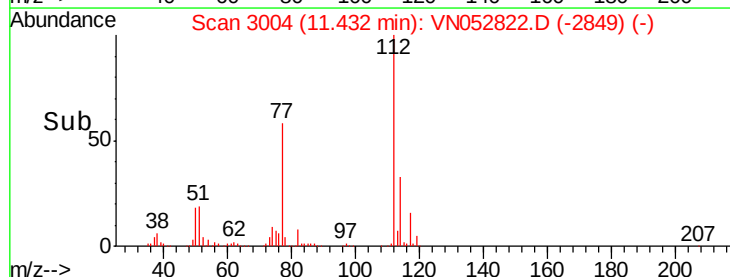
300000

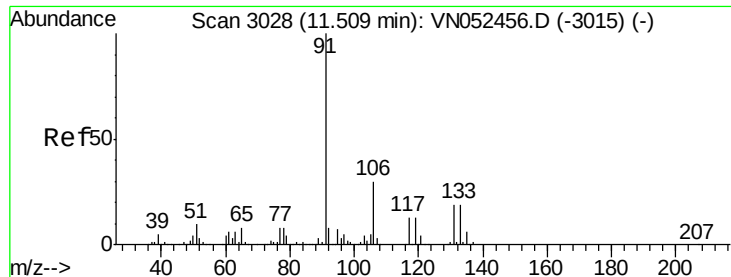
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 21.767 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

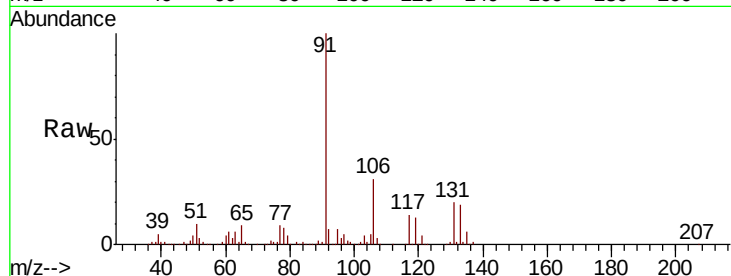
Tot Ion:131 Resp: 193771

Ion Ratio Lower Upper

131 100

133 95.0 0.0 193.4

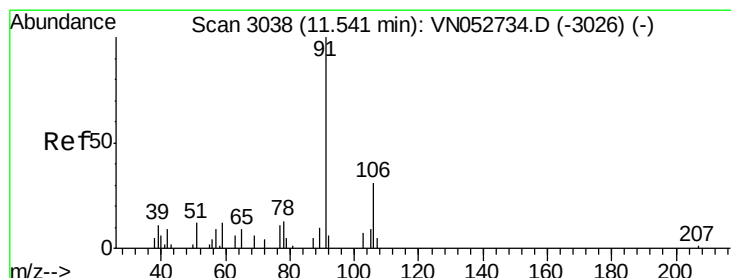
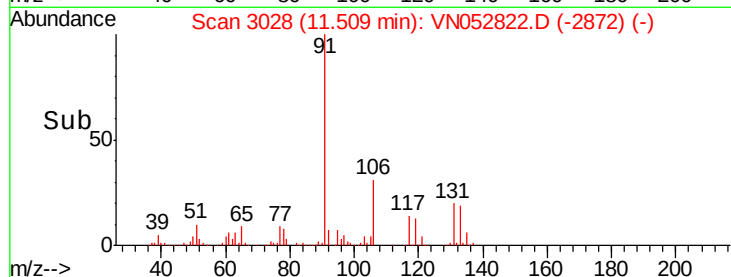
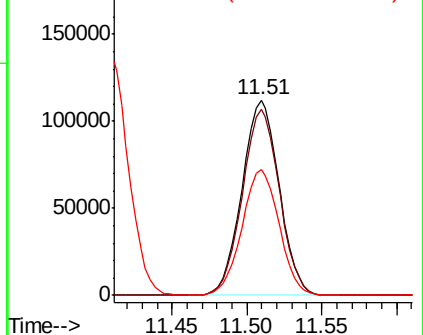
119 64.6 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.571 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052822.D

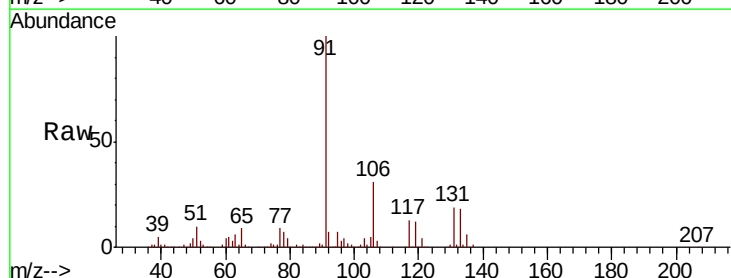
Acq: 12 Dec 2018 12:56

Tgt Ion: 91 Resp: 931560

Ion Ratio Lower Upper

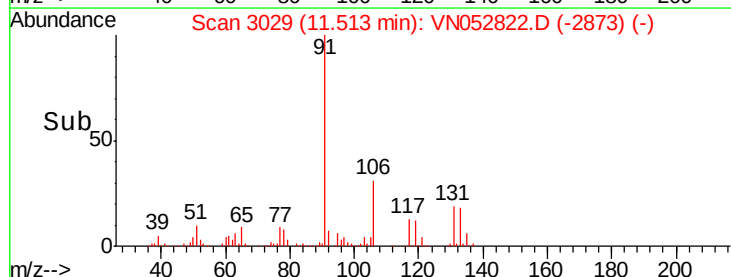
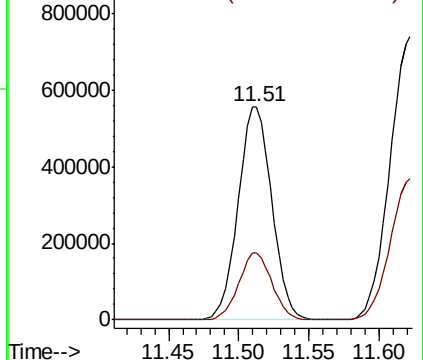
91 100

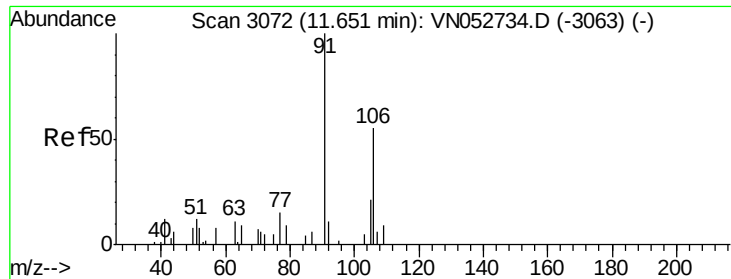
106 31.5 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

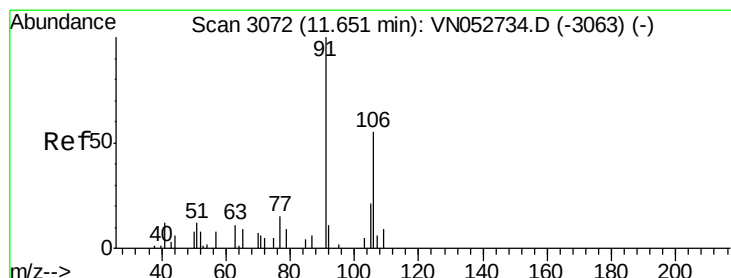
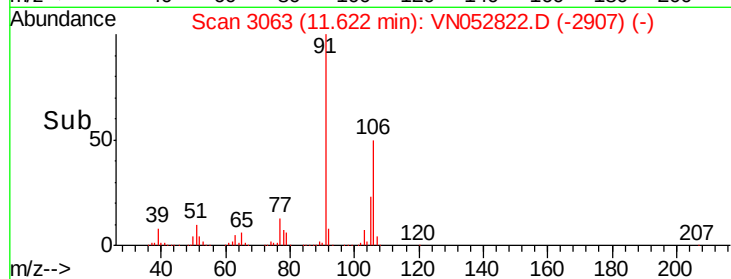
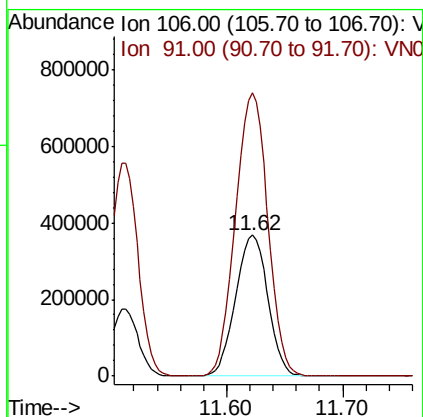
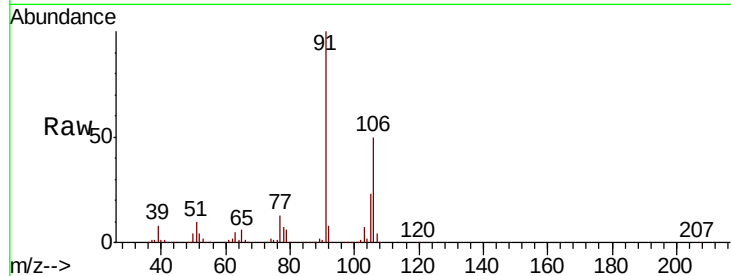




#67
m/p-Xylenes
Concen: 42.042 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

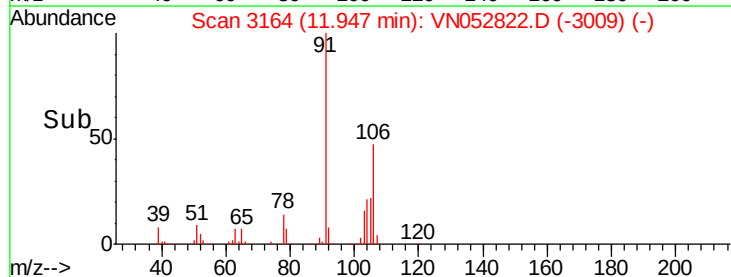
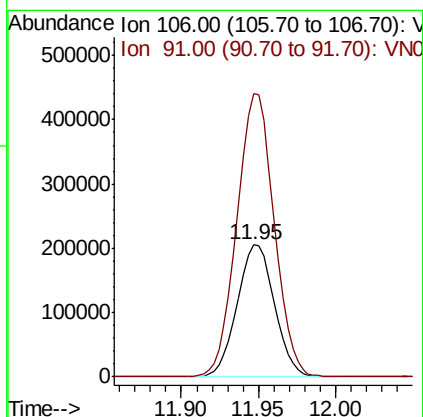
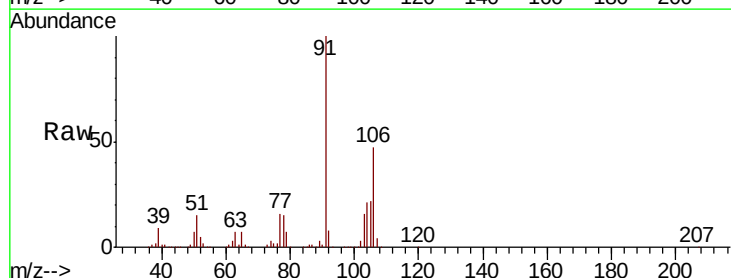
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

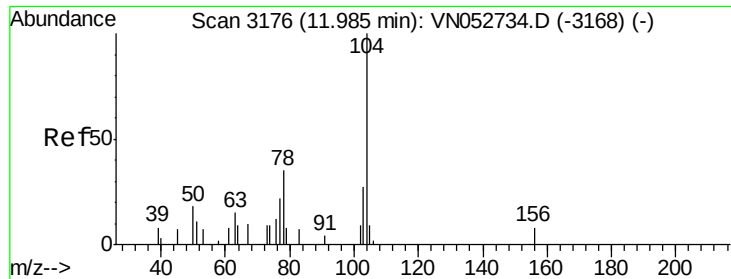
Tot Ion:106 Resp: 709307
Ion Ratio Lower Upper
106 100
91 201.2 163.9 245.9



#68
o-Xylene
Concen: 21.021 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion:106 Resp: 344230
Ion Ratio Lower Upper
106 100
91 214.9 107.8 323.4

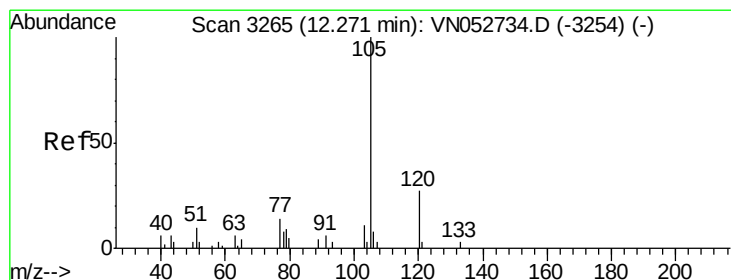
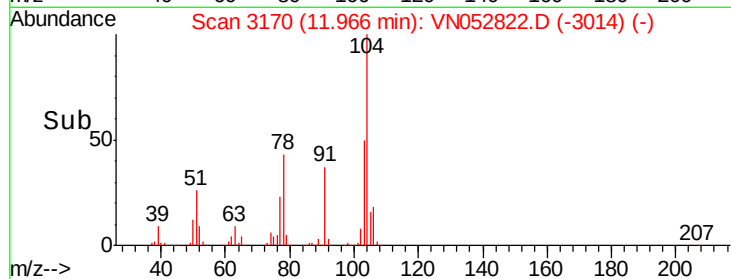
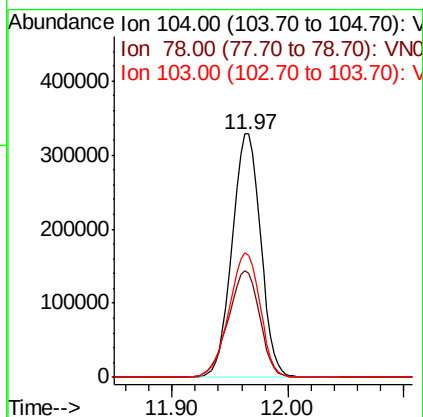
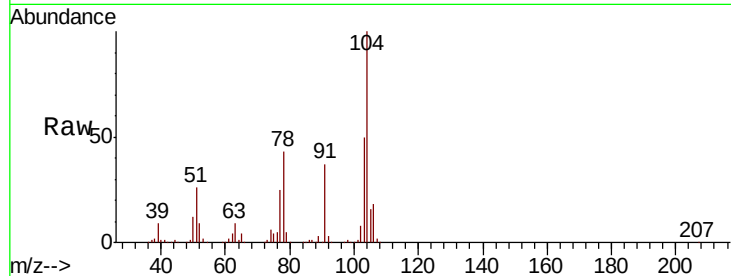




#69
Stvrene
Concen: 21.168 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

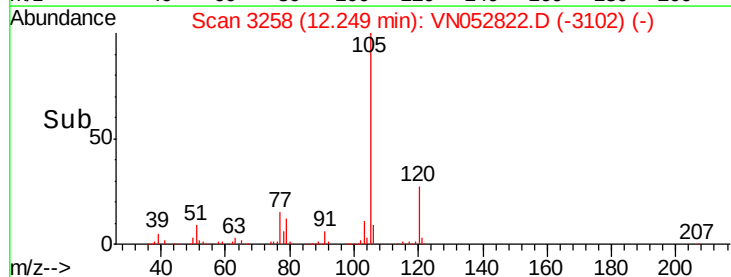
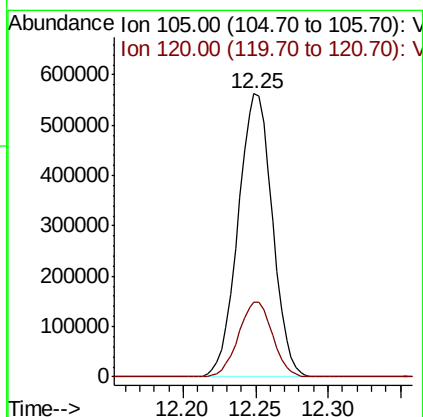
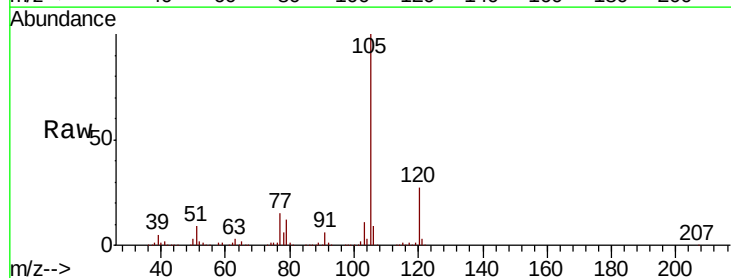
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

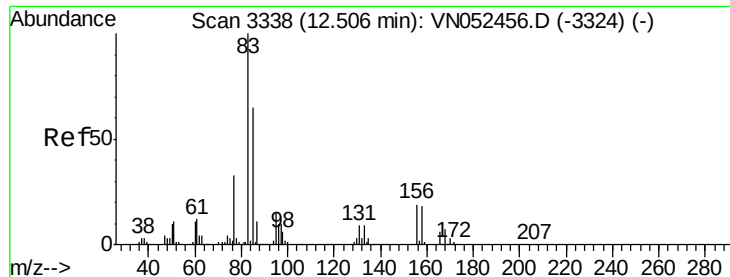
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	39.3	58.9
103	55.6	44.6	66.8



#70
Isopropylbenzene
Concen: 21.185 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.6	34.6

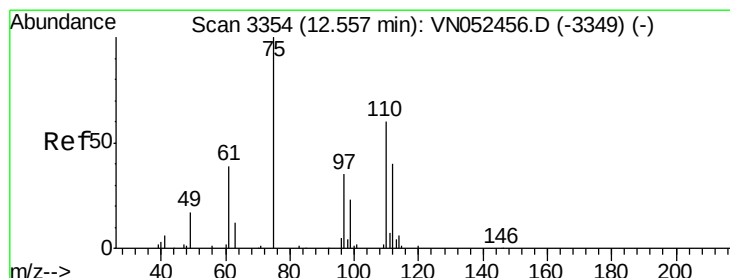
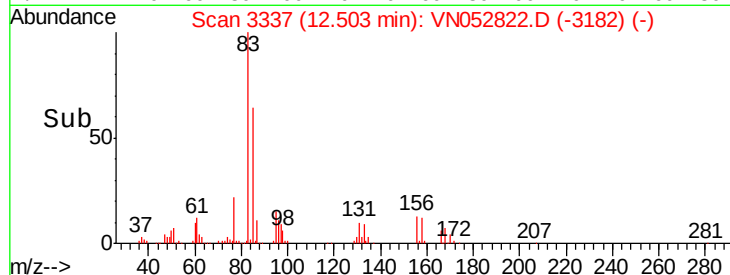
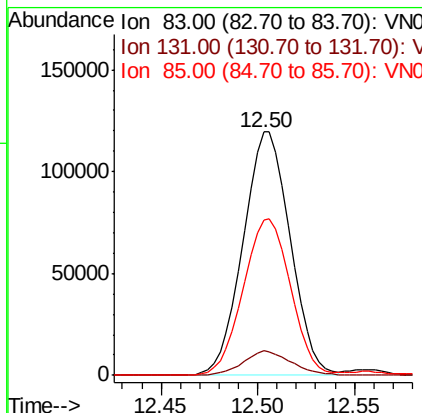
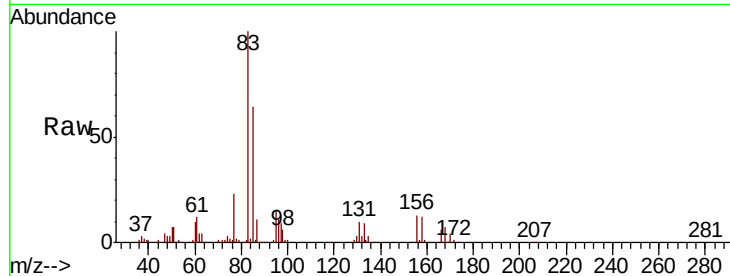




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.398 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

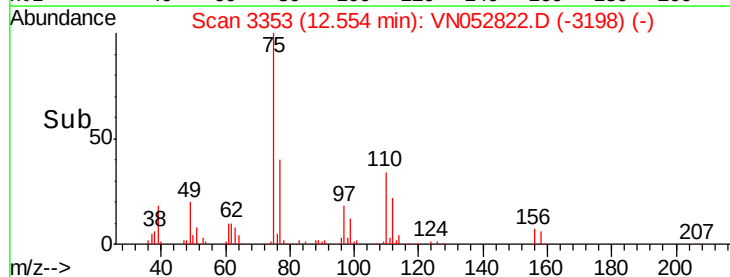
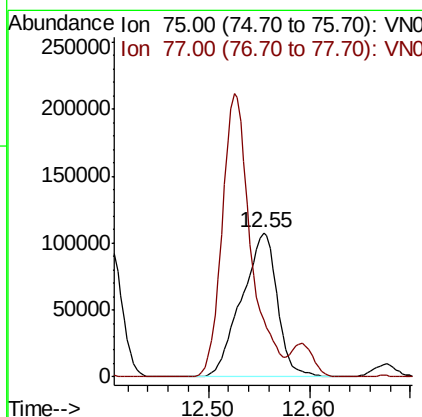
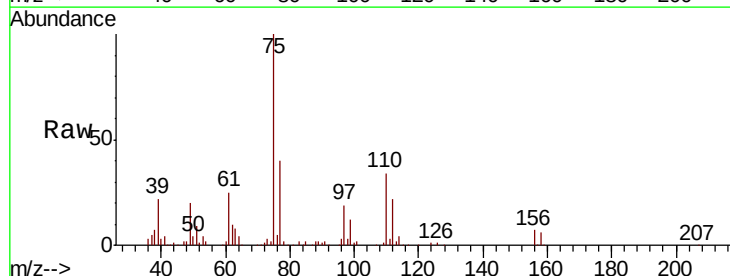
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

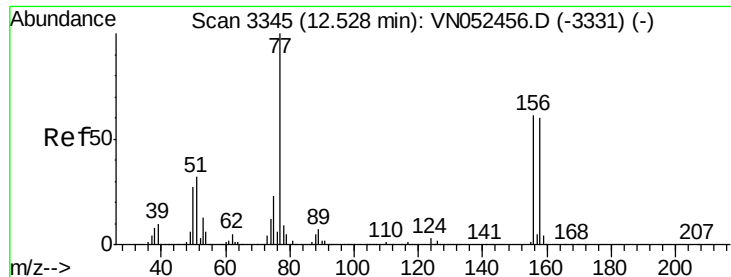
Tot Ion	83	Resp	202807
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.6
85	64.8	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 32.316 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	75	Resp	262923
Ion Ratio	Lower	Upper	
75	100		
77	160.8	0.0	514.8





#73

Bromobenzene

Concen: 22.023 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

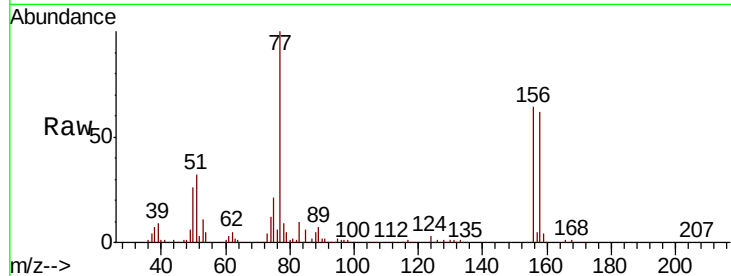
Tot Ion:156 Resp: 232070

Ion Ratio Lower Upper

156 100

77 182.2 0.0 382.6

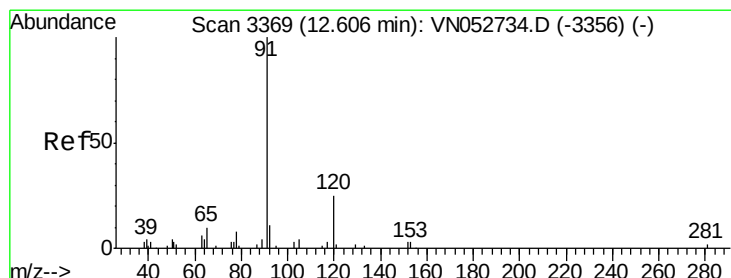
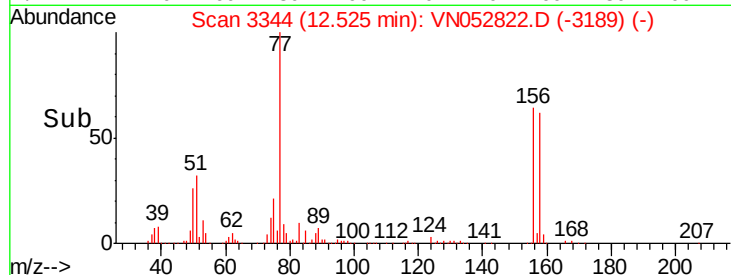
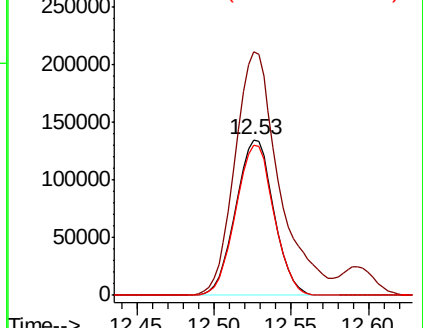
158 96.5 0.0 196.8



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: 20.717 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052822.D

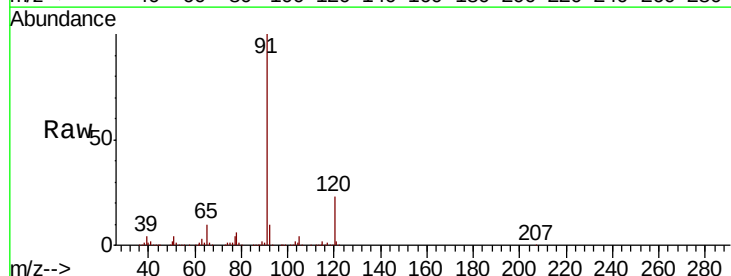
Acq: 12 Dec 2018 12:56

Tgt Ion: 91 Resp: 1051692

Ion Ratio Lower Upper

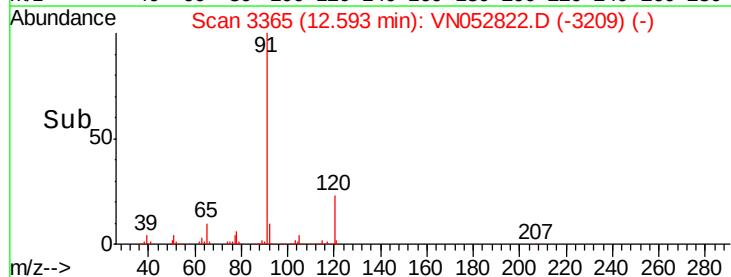
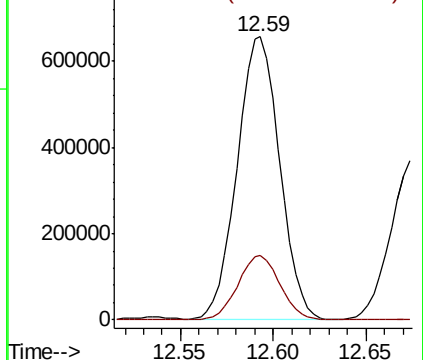
91 100

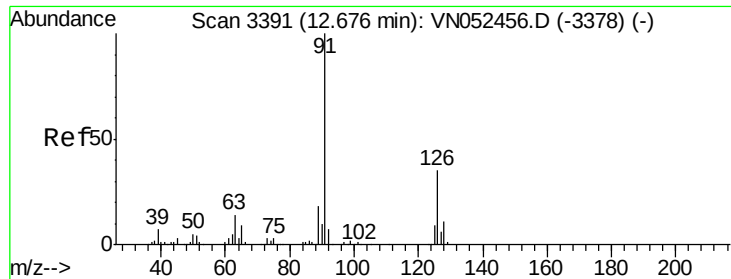
120 22.6 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.148 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

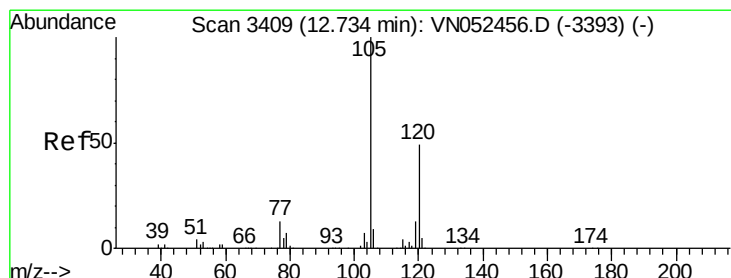
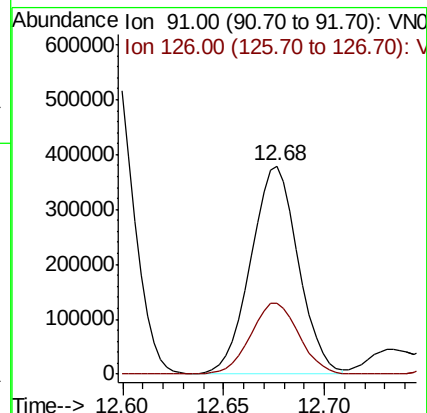
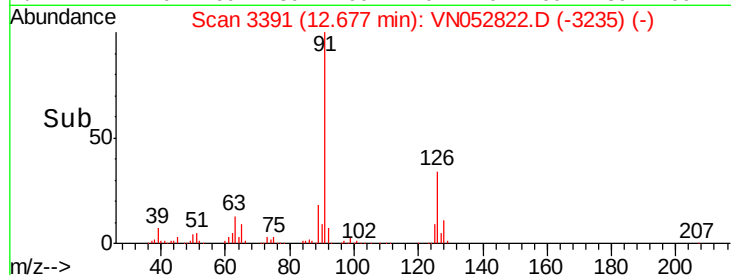
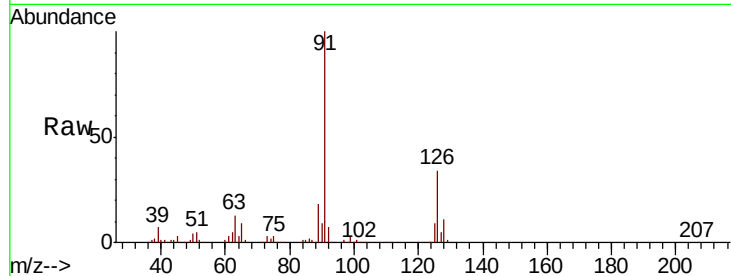
VSTDCCC020EC

Tot Ion: 91 Resp: 623143

Ion Ratio Lower Upper

91 100

126 34.8 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 21.272 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052822.D

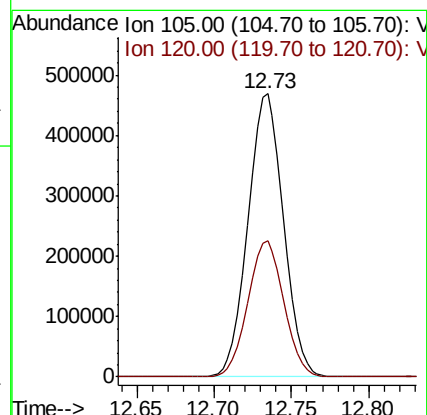
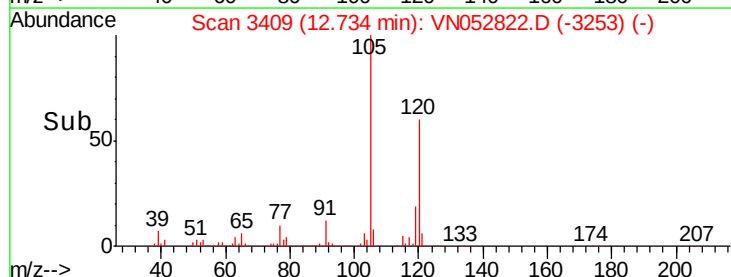
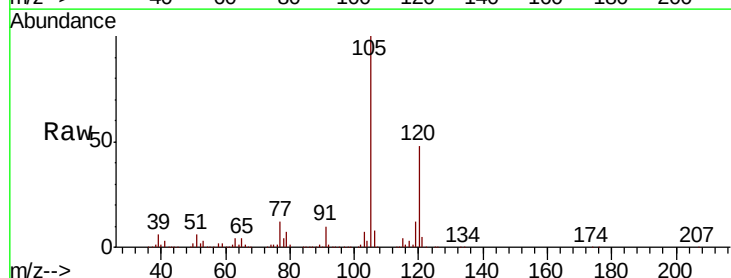
Acq: 12 Dec 2018 12:56

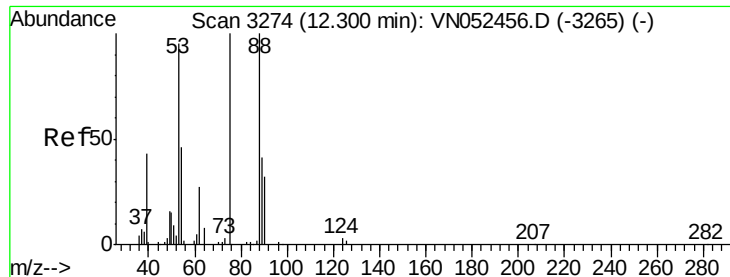
Tgt Ion: 105 Resp: 748594

Ion Ratio Lower Upper

105 100

120 48.6 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 20.957 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

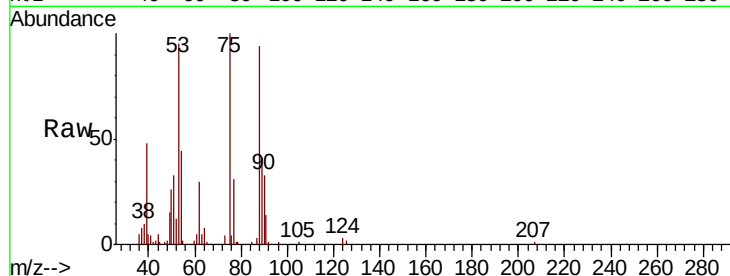
Tot Ion: 75 Resp: 53861

Ion Ratio Lower Upper

75 100

53 95.1 48.5 145.6

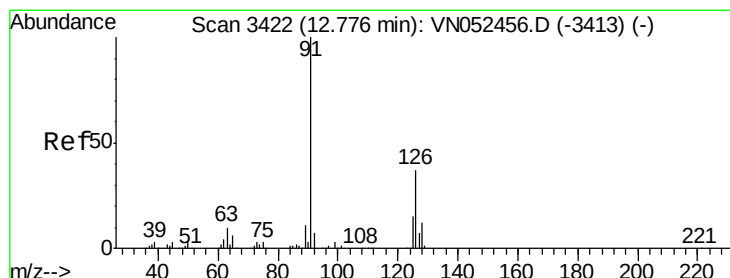
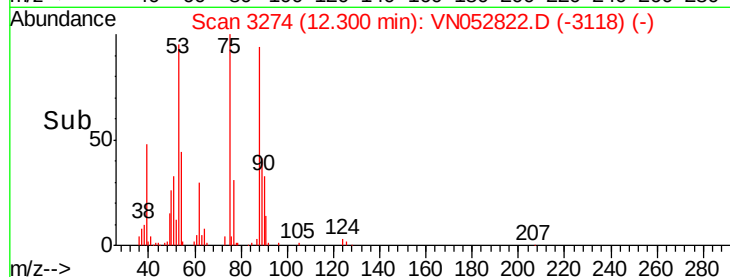
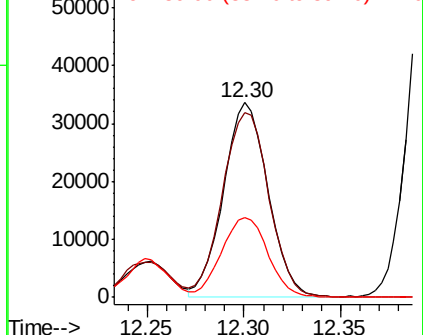
89 41.2 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 21.291 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052822.D

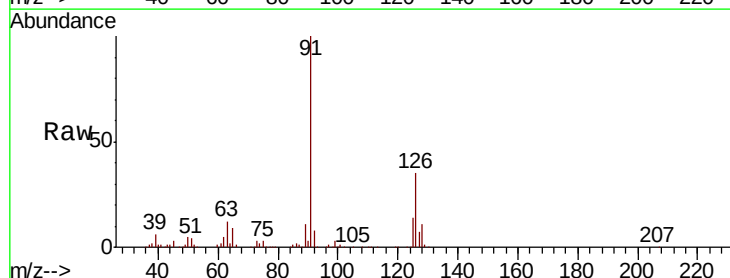
Acq: 12 Dec 2018 12:56

Tgt Ion: 91 Resp: 626492

Ion Ratio Lower Upper

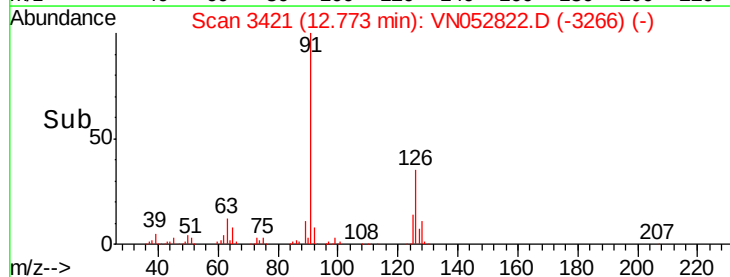
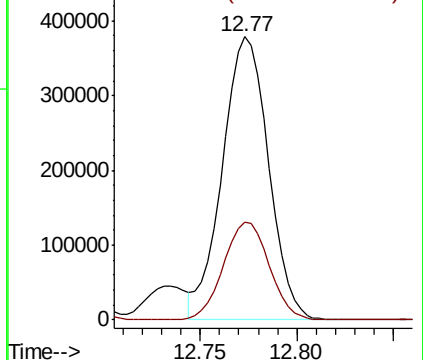
91 100

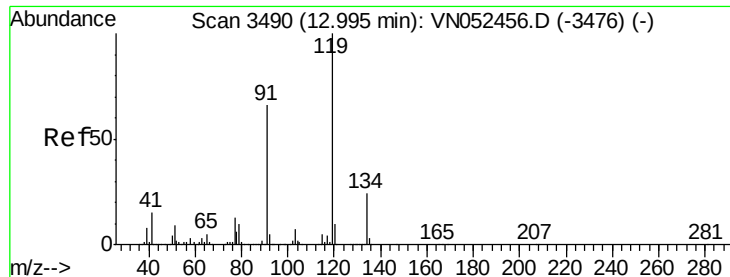
126 34.5 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

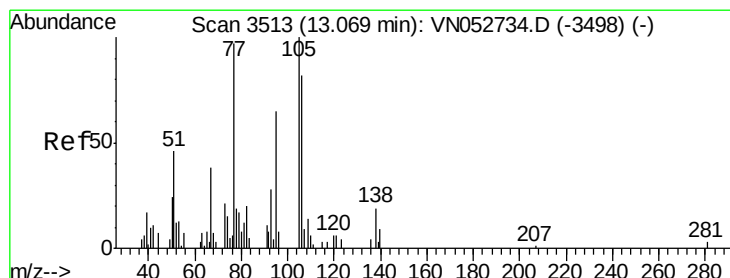
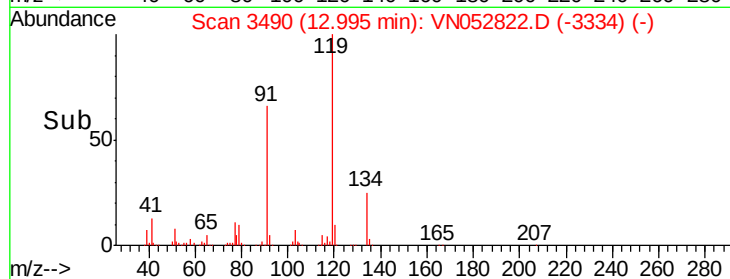
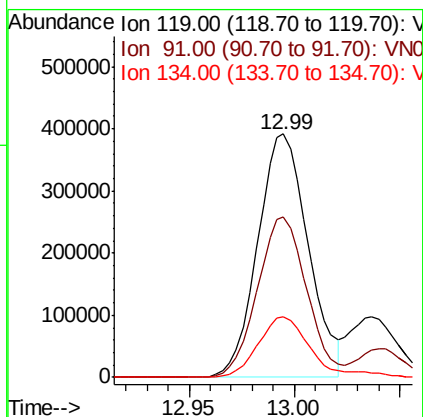
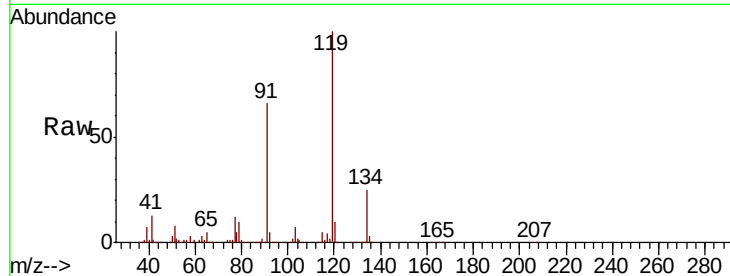




#79
tert-butylbenzene
Concen: 21.336 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

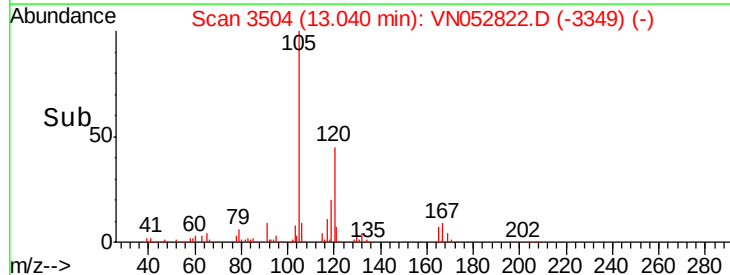
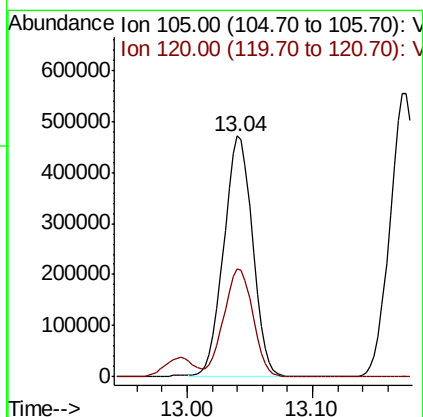
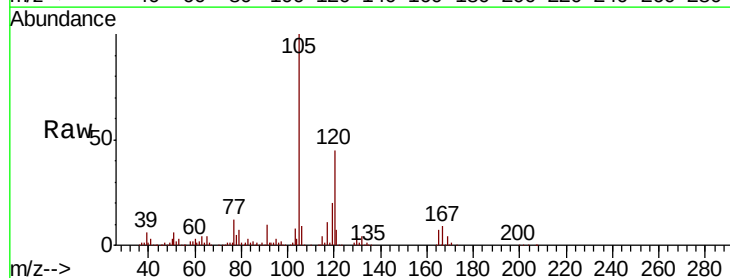
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

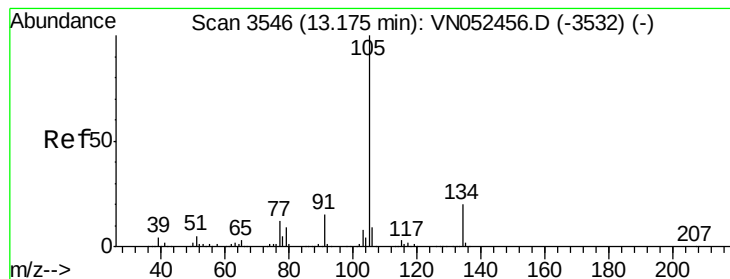
Tot Ion:119 Resp: 653908
Ion Ratio Lower Upper
119 100
91 64.3 0.0 129.8
134 26.1 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 21.326 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion:105 Resp: 750964
Ion Ratio Lower Upper
105 100
120 45.6 0.0 91.0





#81

sec-Butylbenzene

Concen: 20.805 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

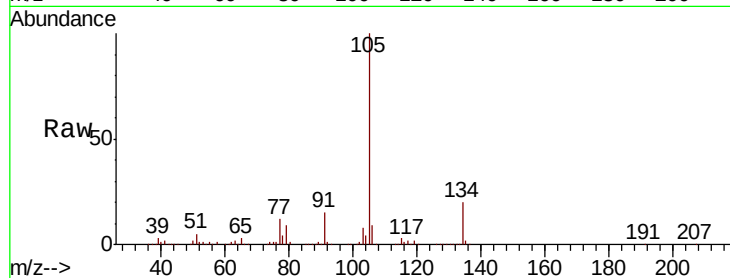
VSTDCCC020EC

Tot Ion:105 Resp: 888112

Ion Ratio Lower Upper

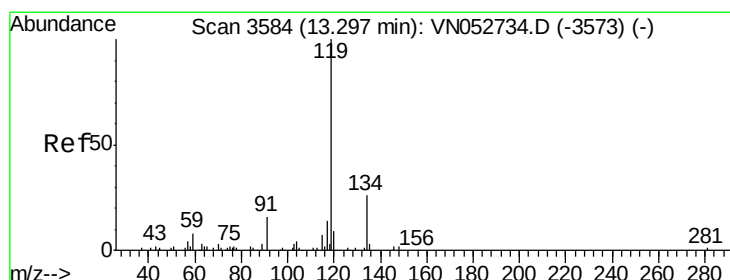
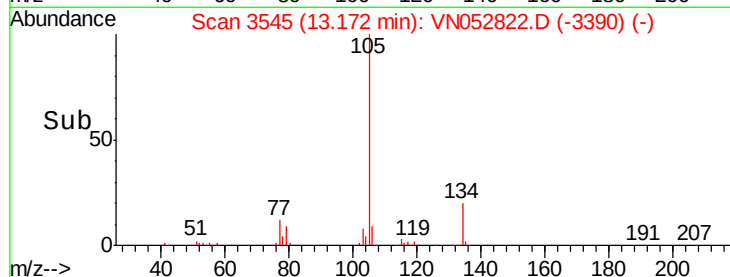
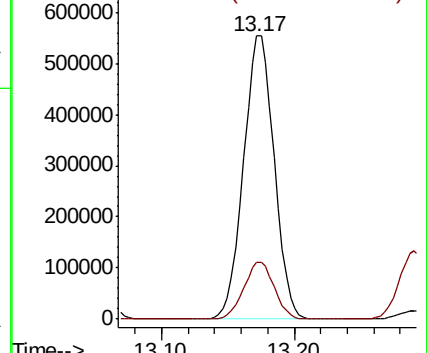
105 100

134 20.0 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.936 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

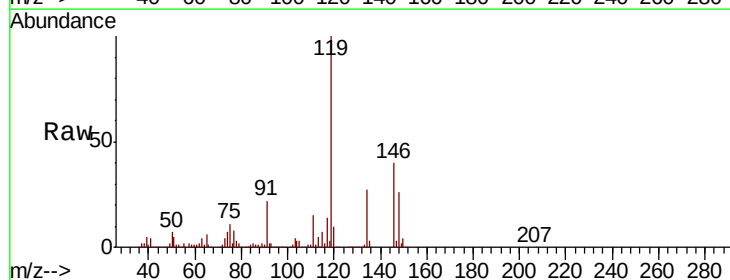
Tgt Ion:119 Resp: 761006

Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.6

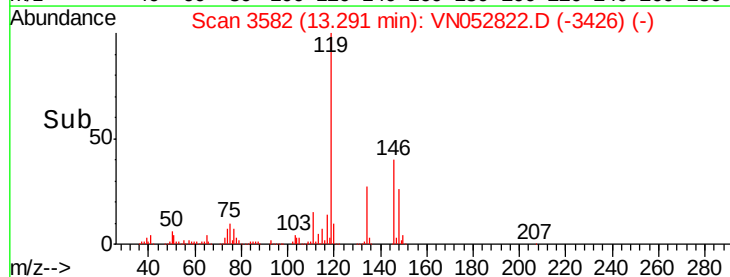
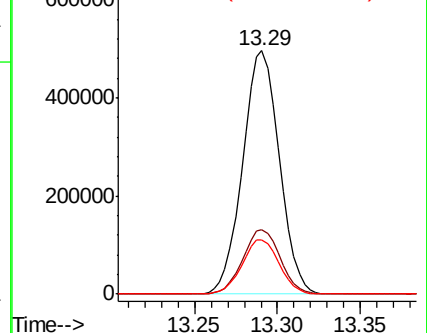
91 22.7 0.0 46.2

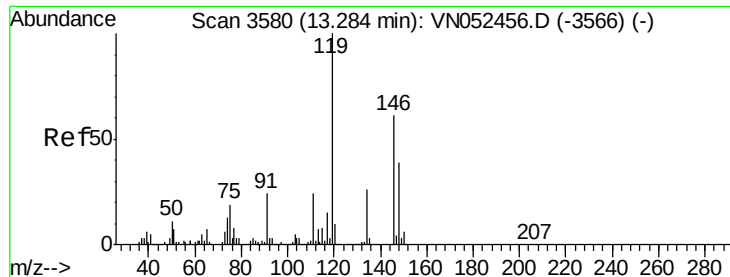


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 21.820 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

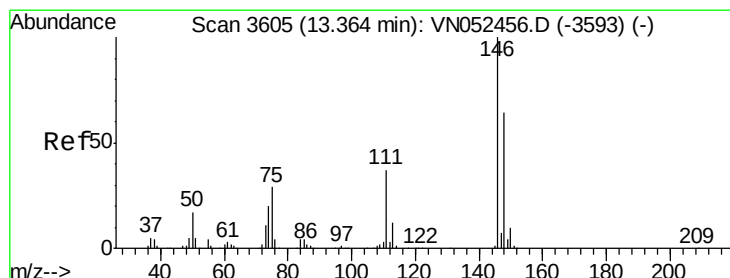
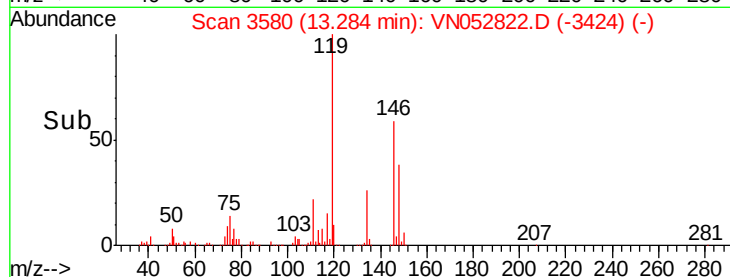
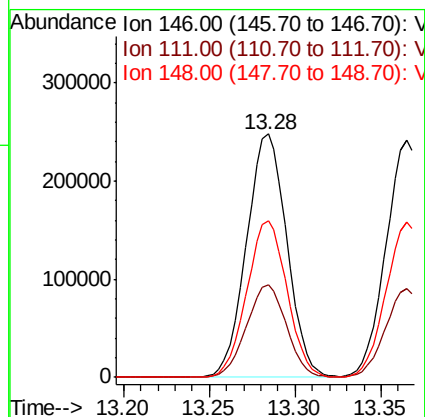
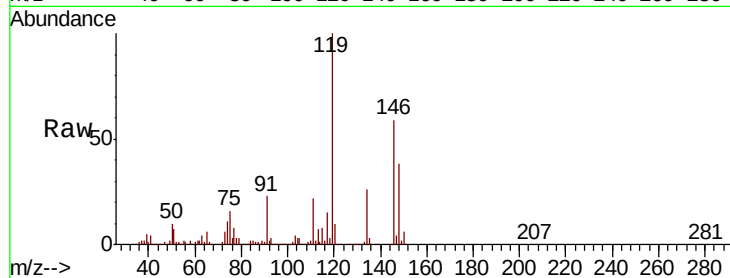
Tot Ion:146 Resp: 404384

Ion Ratio Lower Upper

146 100

111 37.5 19.7 59.0

148 64.1 32.3 96.8



#84

1,4-Dichlorobenzene

Concen: 21.809 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

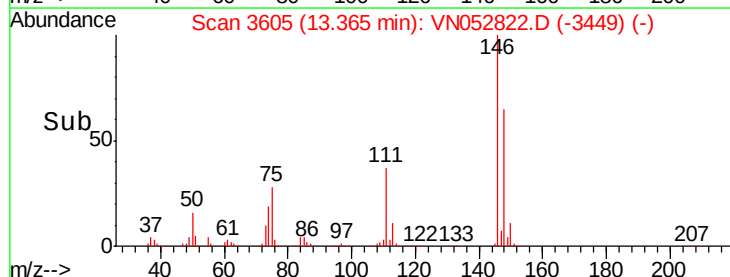
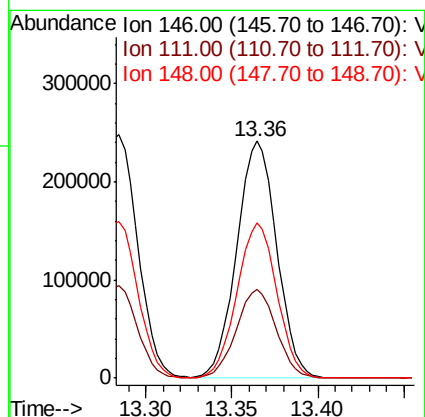
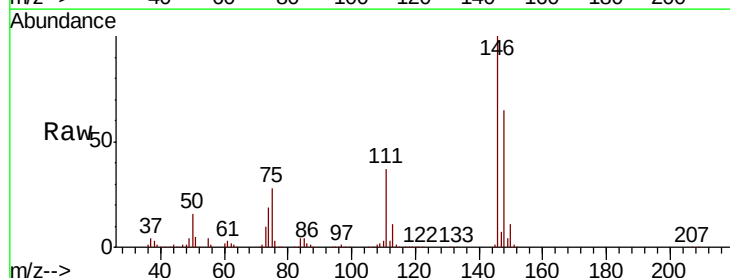
Tgt Ion:146 Resp: 390517

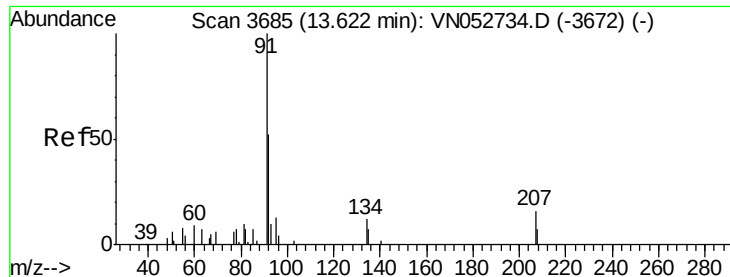
Ion Ratio Lower Upper

146 100

111 37.5 18.8 56.3

148 65.5 32.5 97.4





#85

n-Butylbenzene

Concen: 19.910 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

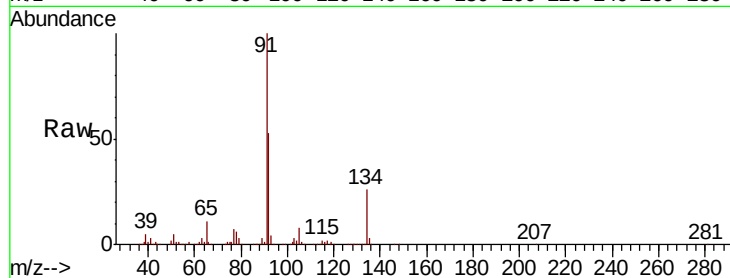
Tot Ion: 91 Resp: 621647

Ion Ratio Lower Upper

91 100

92 52.2 0.0 104.2

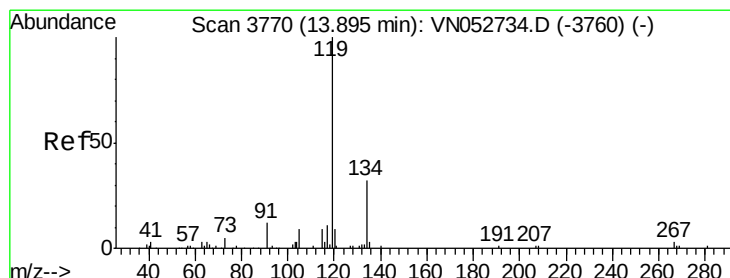
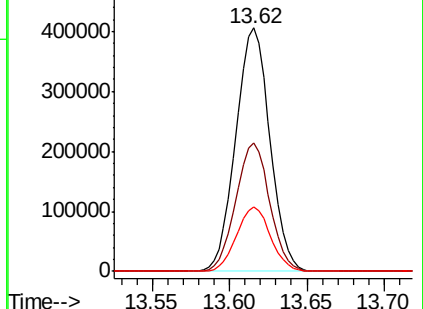
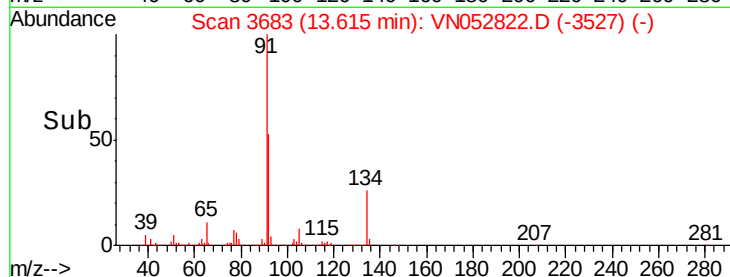
134 26.4 0.0 50.6



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

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

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



#86

Hexachloroethane

Concen: 20.223 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052822.D

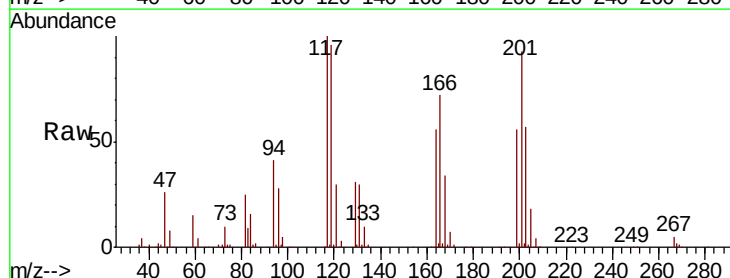
Acq: 12 Dec 2018 12:56

Tgt Ion: 117 Resp: 124555

Ion Ratio Lower Upper

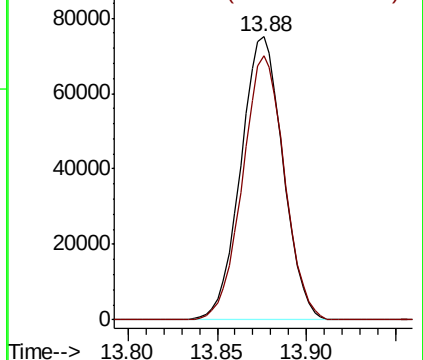
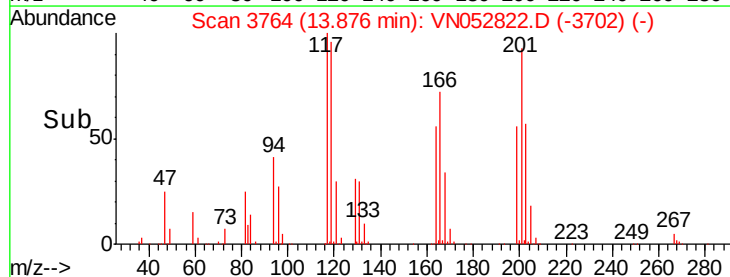
117 100

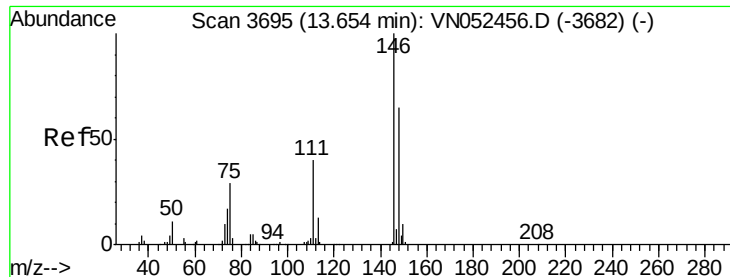
201 92.3 43.8 131.3



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

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

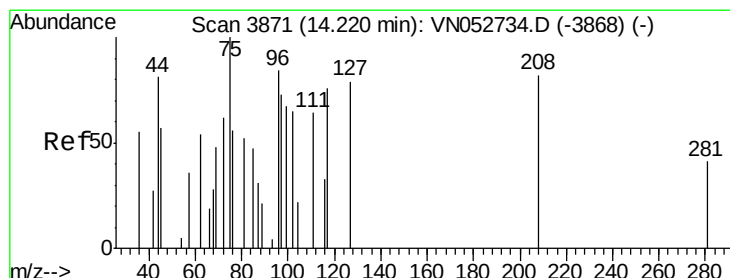
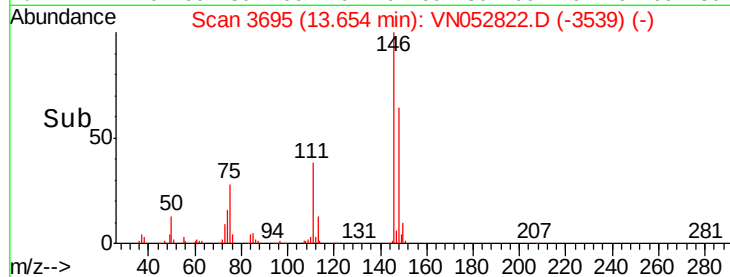
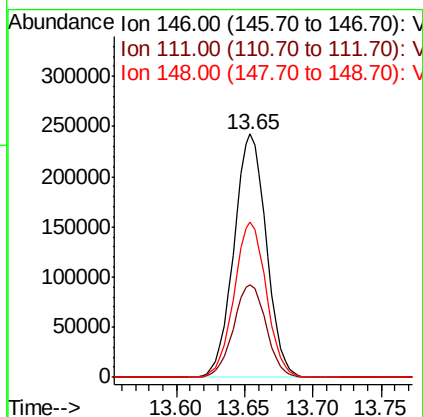
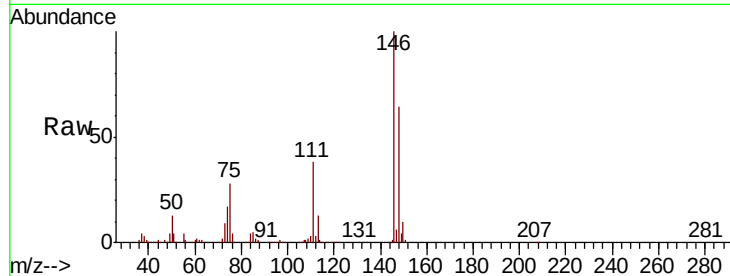




#87
 1,2-Dichlorobenzene
 Concen: 22.622 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

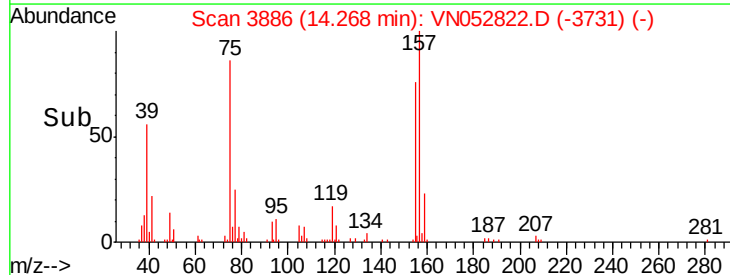
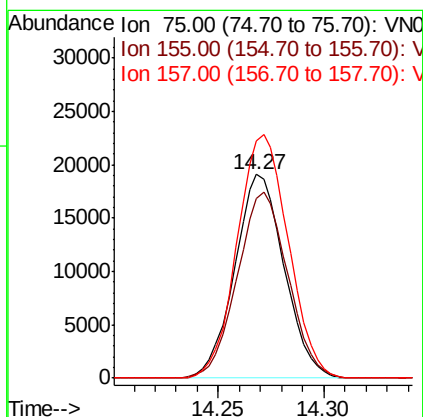
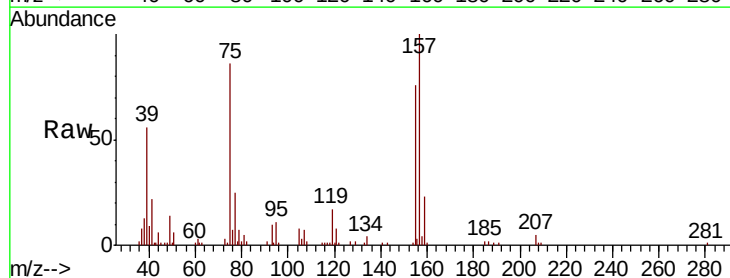
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

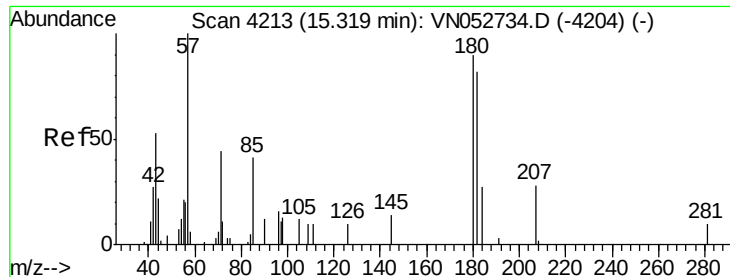
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.3	60.8
148	63.5	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.381 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	72.2	108.2
157	123.7	94.2	141.2

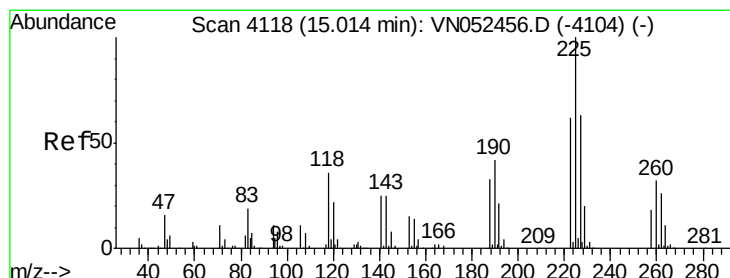
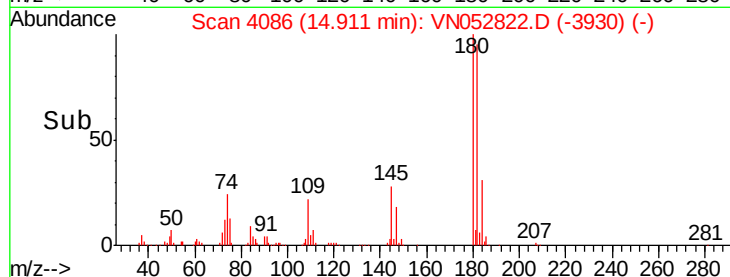
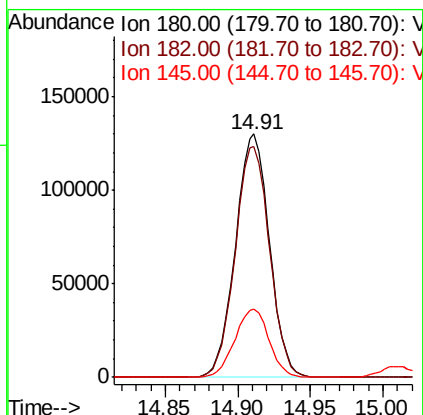
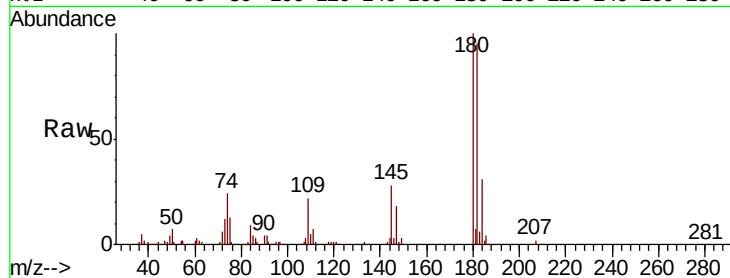




#89
 1,2,4-Trichlorobenzene
 Concen: 24.357 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

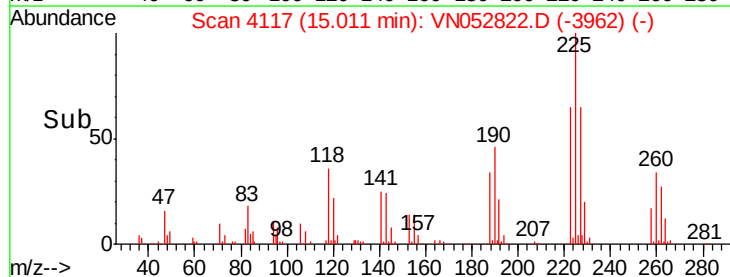
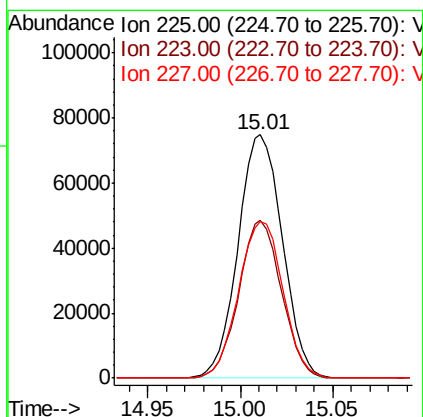
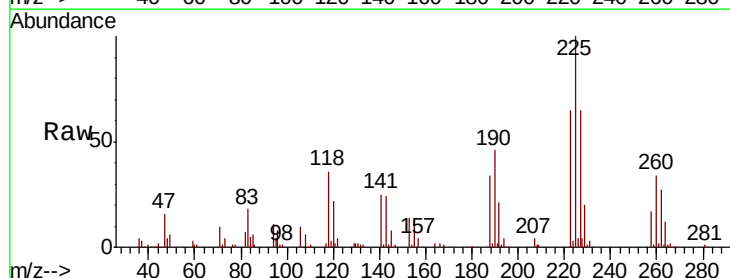
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

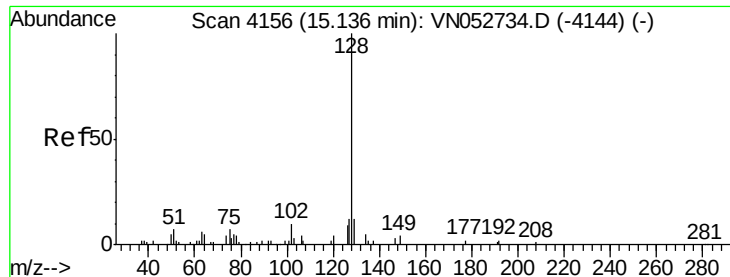
Tot Ion:180 Resp: 211642
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.6 114.8
 145 28.3 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 21.793 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion:225 Resp: 124218
 Ion Ratio Lower Upper
 225 100
 223 62.3 0.0 125.6
 227 64.5 0.0 127.8





#91

Naphthalene

Concen: 25.681 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

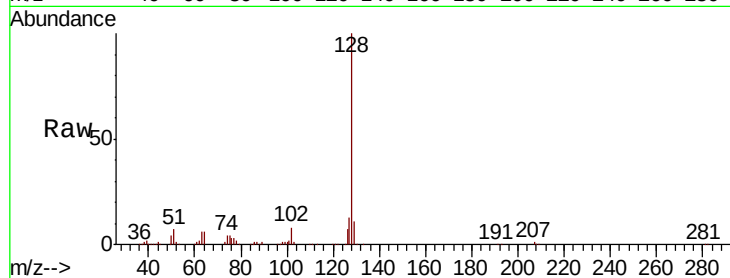
Tot Ion:128 Resp: 450613

Ion Ratio Lower Upper

128 100

127 12.6 9.9 14.9

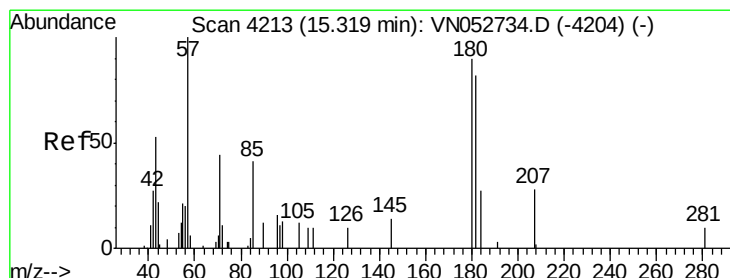
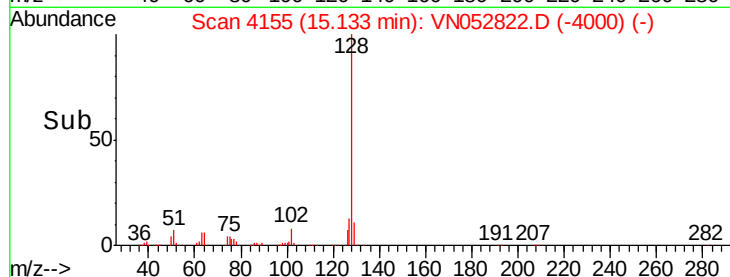
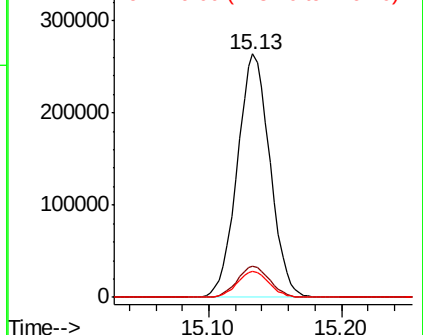
129 10.6 8.5 12.7



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: 24.861 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

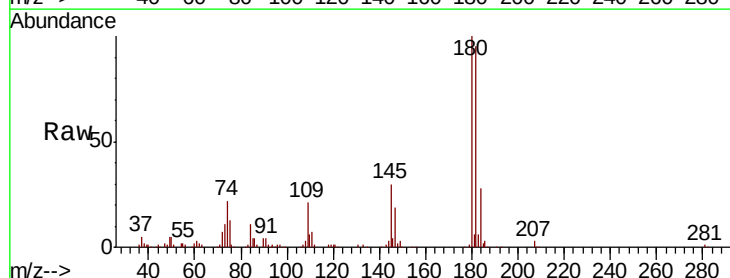
Tgt Ion:180 Resp: 199077

Ion Ratio Lower Upper

180 100

182 94.2 0.0 196.2

145 30.1 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

