

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050319\
 Data File : VN055403.D
 Acq On : 3 May 2019 20:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 03 23:25:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	391475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	645349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	542179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	224657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	257210	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.59	113	206223	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.09	98	747492	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
62) 4-Bromofluorobenzene	12.40	95	251206	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	212867	44.381	ug/l	100
3) Chloromethane	2.06	50	243983	41.080	ug/l	99
4) Vinyl Chloride	2.19	62	220744	46.109	ug/l	98
5) Bromomethane	2.57	94	117311	46.260	ug/l	98
6) Chloroethane	2.71	64	124816	48.127	ug/l	98
7) Trichlorofluoromethane	3.02	101	317667	46.664	ug/l	99
8) Diethyl Ether	3.41	74	120998	50.803	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	187603	46.278	ug/l	99
10) Methyl Iodide	3.96	142	267445	46.879	ug/l	100
11) Tert butyl alcohol	4.78	59	69207	236.030	ug/l	99
12) 1,1-Dichloroethene	3.74	96	182352	47.154	ug/l	97
13) Acrolein	3.61	56	41643	181.856	ug/l	97
14) Allyl chloride	4.33	41	389232	48.598	ug/l	99
15) Acrylonitrile	4.99	53	409148	248.251	ug/l	99
16) Acetone	3.82	43	314405	197.026	ug/l	98
17) Carbon Disulfide	4.06	76	412238	40.847	ug/l	100
18) Methyl Acetate	4.33	43	206392	53.159	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	563753	51.856	ug/l	98
20) Methylene Chloride	4.56	84	220765	45.325	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	190148	46.428	ug/l	99
22) Diisopropyl ether	5.95	45	832398	52.308	ug/l	97
23) Vinyl Acetate	5.90	43	2734013	262.138	ug/l	99
24) 1,1-Dichloroethane	5.85	63	418857	49.400	ug/l	99
25) 2-Butanone	6.84	43	483130	236.740	ug/l	98
26) 2,2-Dichloropropane	6.82	77	271178	46.316	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	233321	50.097	ug/l	100
28) Bromochloromethane	7.20	49	208050	48.679	ug/l	100
29) Tetrahydrofuran	7.21	42	326925	250.180	ug/l	99
30) Chloroform	7.37	83	389600	48.472	ug/l	99
31) Cyclohexane	7.66	56	360263	44.721	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	315519	48.368	ug/l	99
36) 1,1-Dichloropropene	7.79	75	281852	45.596	ug/l	99
37) Ethyl Acetate	6.93	43	220824	46.611	ug/l	99
38) Carbon Tetrachloride	7.78	117	259899	43.586	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	294562	44.819	ug/l	99
40) Benzene	8.04	78	856347	46.994	ug/l	100
41) Methacrylonitrile	7.18	41	132917	51.812	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	301106	46.654	ug/l	100
43) Isopropyl Acetate	8.17	43	391689	51.446	ug/l #	89
44) Trichloroethene	8.84	130	216842	46.679	ug/l	99
45) 1,2-Dichloropropane	9.12	63	252567	48.056	ug/l	99
46) Dibromomethane	9.21	93	133658	46.526	ug/l	98
47) Bromodichloromethane	9.40	83	299492	48.595	ug/l	99
48) Methyl methacrylate	9.20	41	184473	49.287	ug/l	99
49) 1,4-Dioxane	9.21	88	37221	962.009	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1043347	243.401	ug/l	98
52) Toluene	10.16	92	497119	47.546	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	271690	50.782	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	338974	50.817	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	188109	48.450	ug/l	98
56) Ethyl methacrylate	10.43	69	247791	51.852	ug/l	99
57) 1,3-Dichloropropane	10.71	76	332414	48.805	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	269422	185.052	ug/l	99
59) 2-Hexanone	10.75	43	638804	238.180	ug/l	99
60) Dibromochloromethane	10.90	129	198870	50.117	ug/l	99
61) 1,2-Dibromoethane	11.01	107	175095	48.792	ug/l	99
64) Tetrachloroethene	10.63	164	217606	49.079	ug/l	100
65) Chlorobenzene	11.43	112	510153	48.126	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	198647	47.858	ug/l	99
67) Ethyl Benzene	11.51	91	939019	49.055	ug/l	99
68) m/p-Xylenes	11.62	106	681206	99.699	ug/l	98
69) o-Xylene	11.95	106	339223	50.090	ug/l	98
70) Styrene	11.96	104	565883	54.421	ug/l	99
71) Bromoform	12.13	173	119295	51.795	ug/l #	98
73) Isopropylbenzene	12.25	105	900257	50.386	ug/l	100
74) N-amyl acetate	12.07	43	278842	48.363	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	213979	47.941	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	261236	63.225	ug/l #	100
77) Bromobenzene	12.53	156	216198	50.468	ug/l	99
78) n-propylbenzene	12.59	91	996456	43.180	ug/l	100
79) 2-Chlorotoluene	12.67	91	616568	50.676	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	750630	42.619	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51556	43.489	ug/l	97
82) 4-Chlorotoluene	12.77	91	594700	44.322	ug/l	99
83) tert-Butylbenzene	12.99	119	640289	51.446	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	731104	46.415	ug/l	100
85) sec-Butylbenzene	13.17	105	815121	42.581	ug/l	99
86) p-Isopropyltoluene	13.29	119	713867	45.371	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	351010	46.692	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	336998	47.602	ug/l	100
89) n-Butylbenzene	13.61	91	554408	49.588	ug/l	100
90) Hexachloroethane	13.87	117	115736	46.342	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	349041	46.845	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31769	53.751	ug/l	92

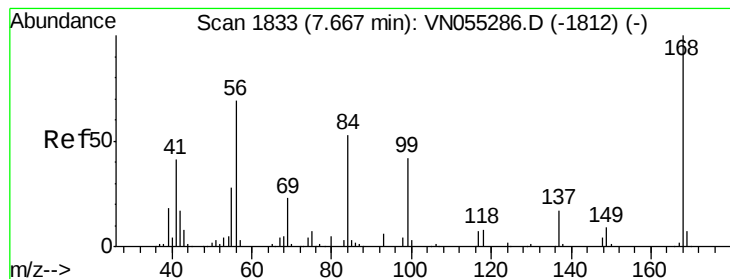
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	131742	45.191	ug/l	98
94) Hexachlorobutadiene	15.01	225	119534	53.511	ug/l	97
95) Naphthalene	15.13	128	258667	41.994	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	139104	48.187	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

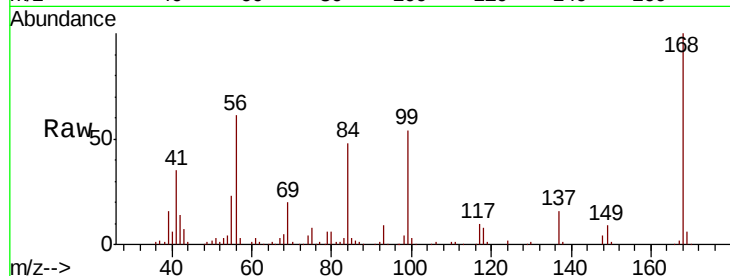
VSTDCCC050EC

Tot Ion:168 Resp: 391475

Ion Ratio Lower Upper

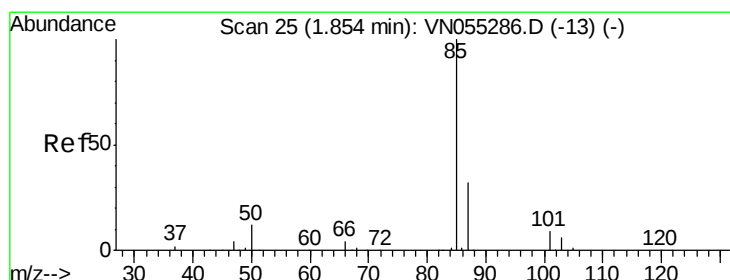
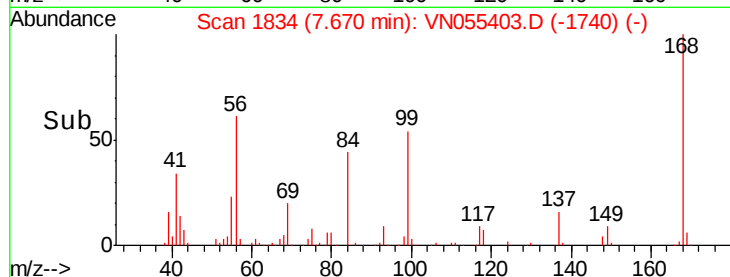
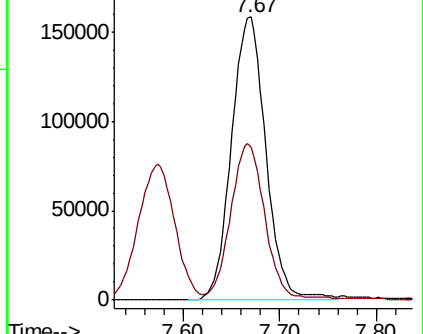
168 100

99 53.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.381 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055403.D

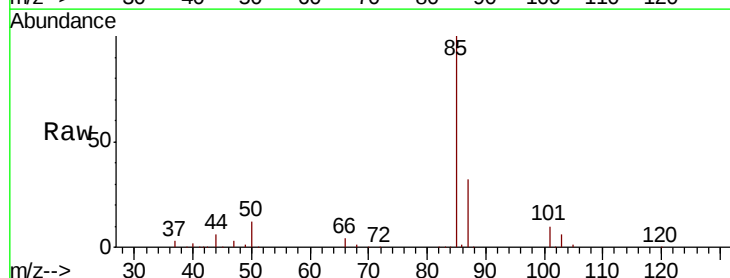
Acq: 3 May 2019 20:48

Tgt Ion: 85 Resp: 212867

Ion Ratio Lower Upper

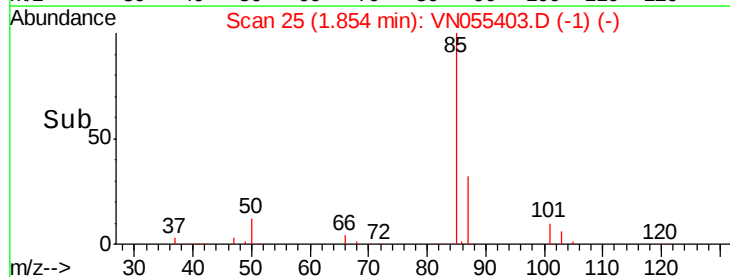
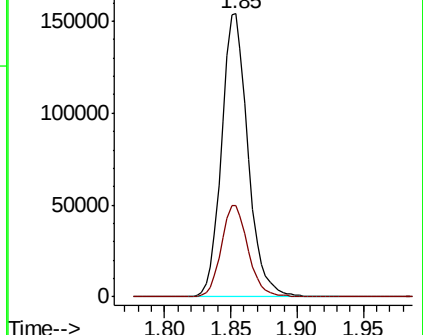
85 100

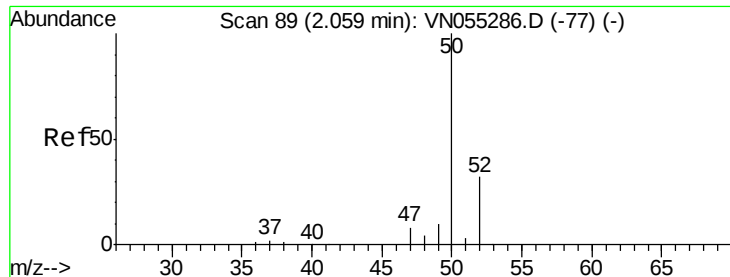
87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.080 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

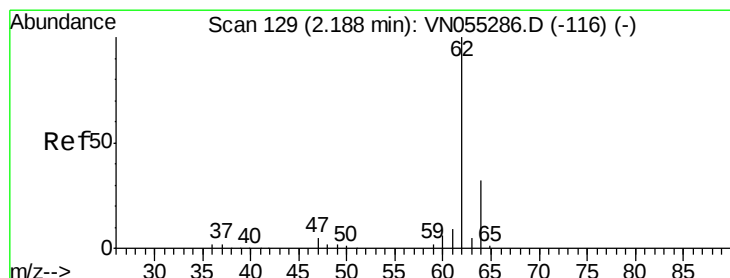
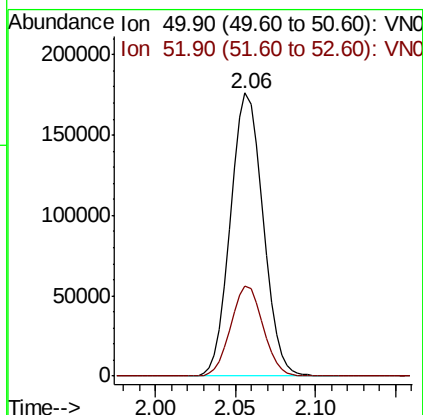
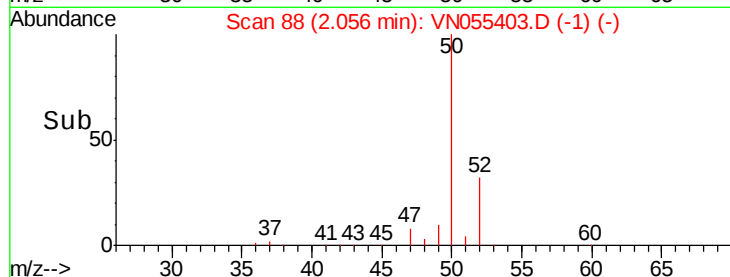
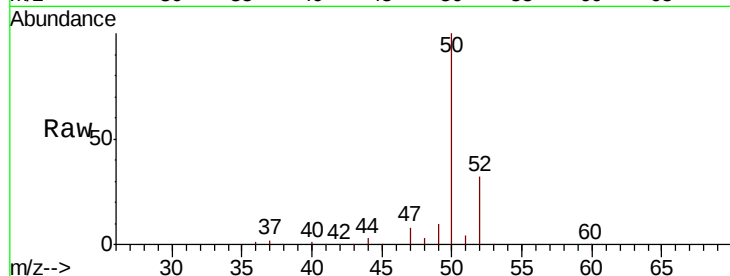
VSTDCCC050EC

Tot Ion: 50 Resp: 243983

Ion Ratio Lower Upper

50 100

52 31.8 25.7 38.5



#4

Vinyl Chloride

Concen: 46.109 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055403.D

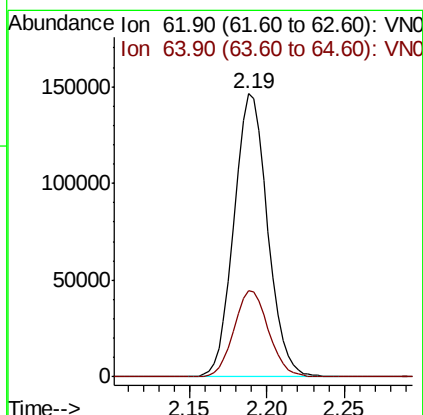
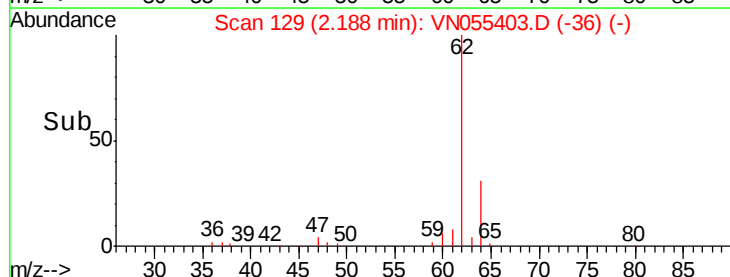
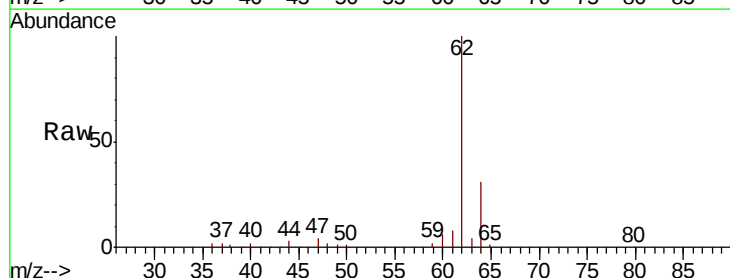
Acq: 3 May 2019 20:48

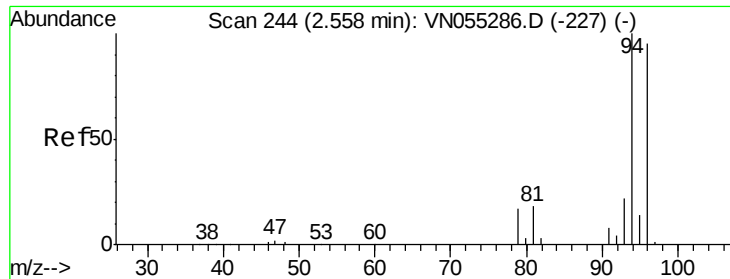
Tgt Ion: 62 Resp: 220744

Ion Ratio Lower Upper

62 100

64 30.5 25.5 38.3





#5

Bromomethane

Concen: 46.260 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

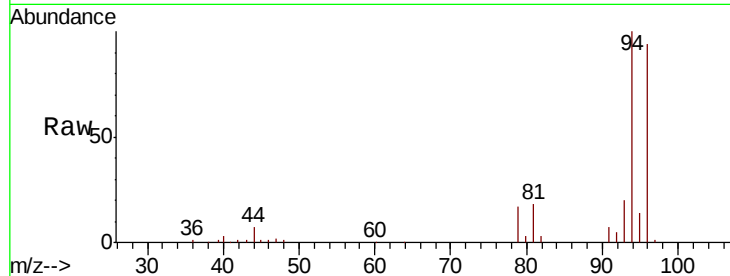
VSTDCCC050EC

Tot Ion: 94 Resp: 117311

Ion Ratio Lower Upper

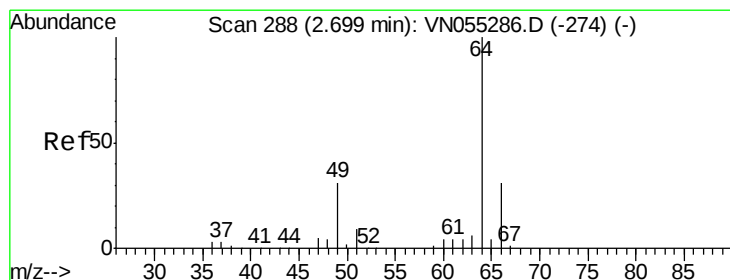
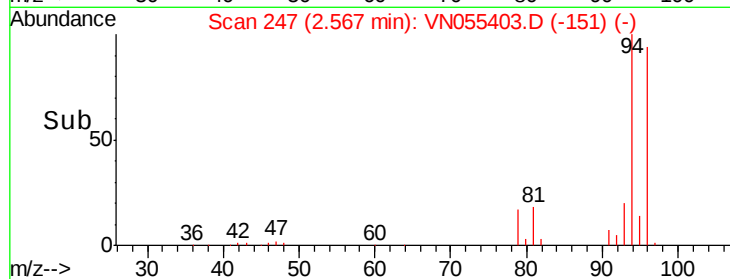
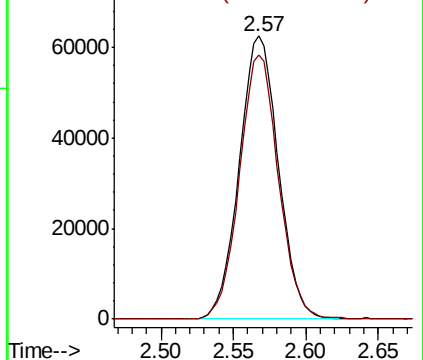
94 100

96 93.5 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.127 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN055403.D

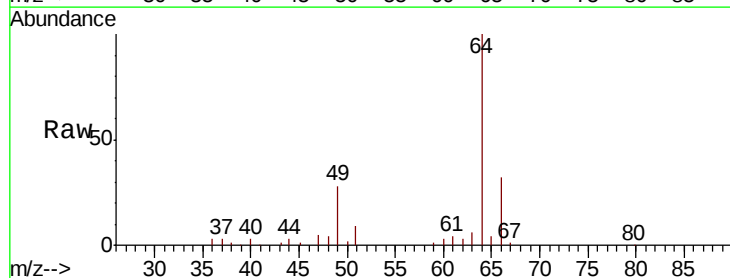
Acq: 3 May 2019 20:48

Tgt Ion: 64 Resp: 124816

Ion Ratio Lower Upper

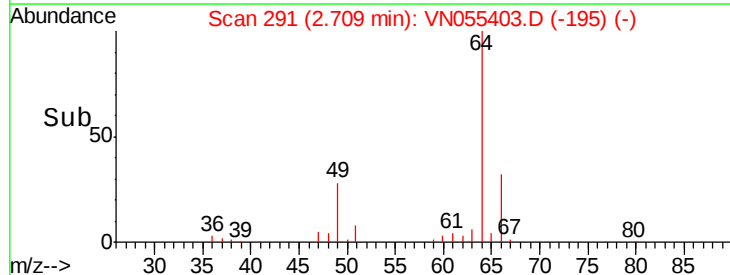
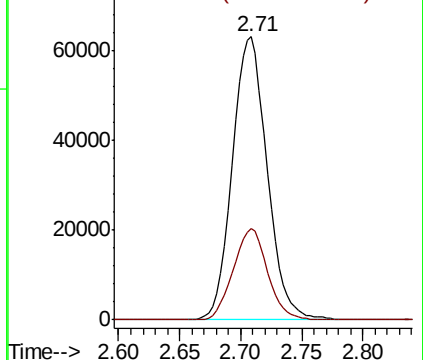
64 100

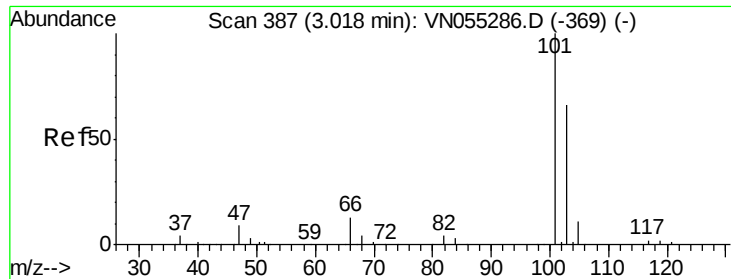
66 32.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



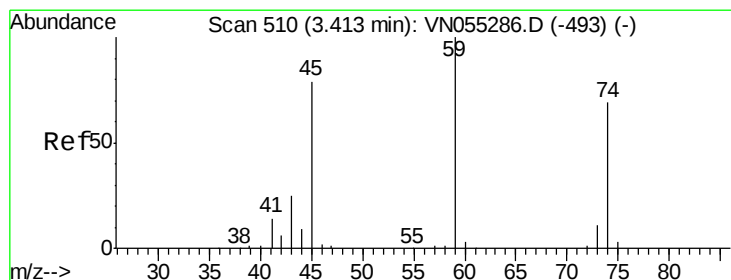
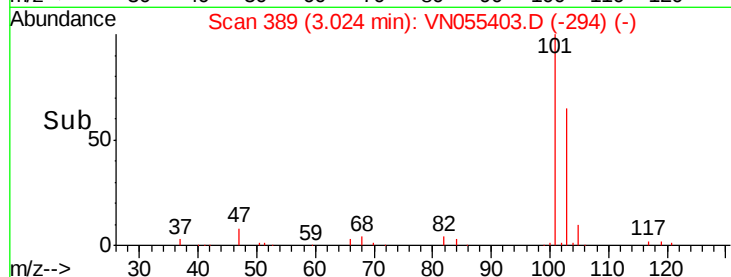
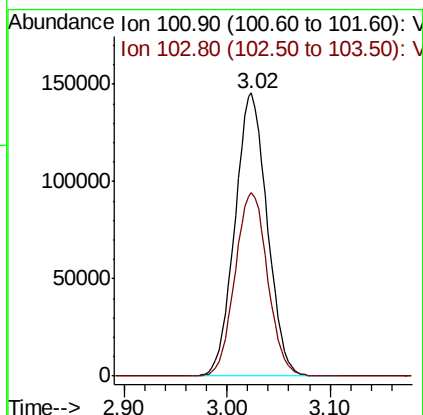
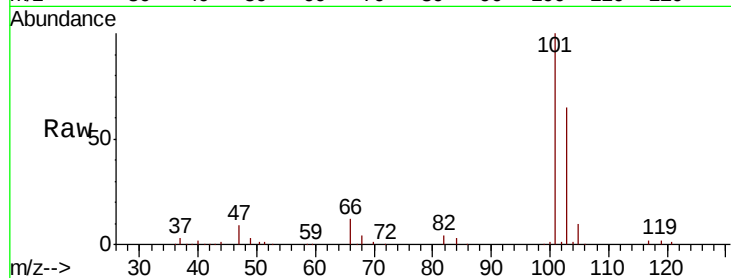


#7

Trichlorofluoromethane
Concen: 46.664 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
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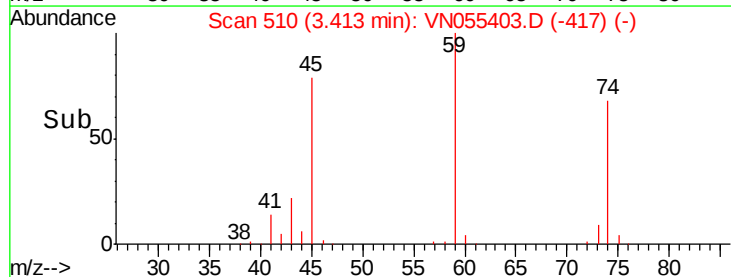
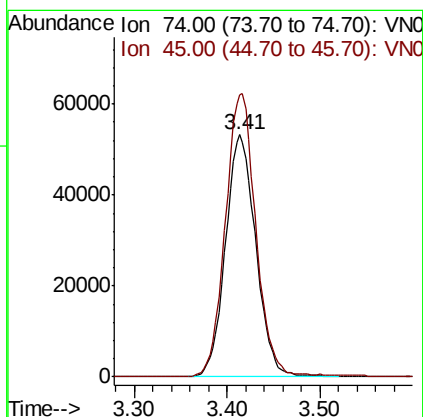
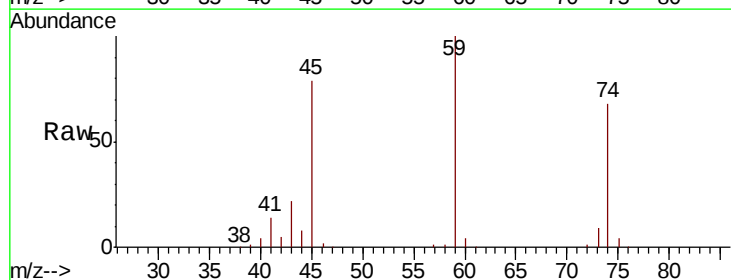
Tot Ion:101 Resp: 317667
Ion Ratio Lower Upper
101 100
103 64.7 52.6 79.0

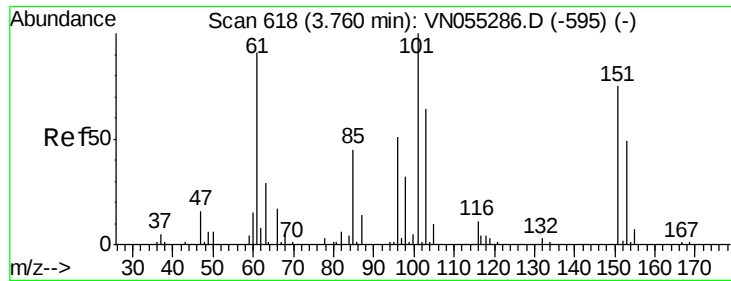


#8

Diethyl Ether
Concen: 50.803 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 74 Resp: 120998
Ion Ratio Lower Upper
74 100
45 117.3 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.278 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

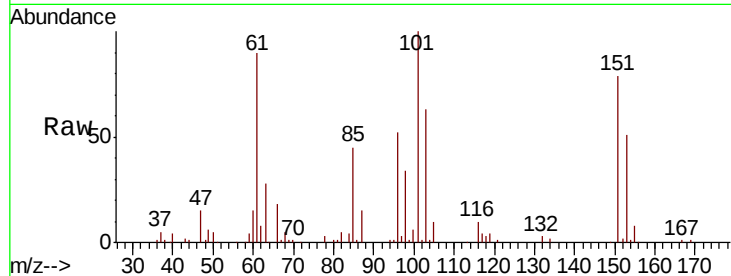
Tot Ion:101 Resp: 187603

Ion Ratio Lower Upper

101 100

85 44.4 35.7 53.5

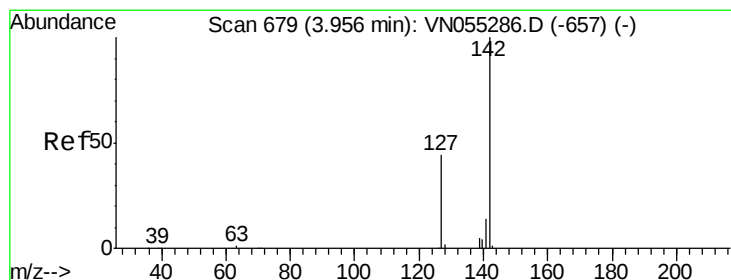
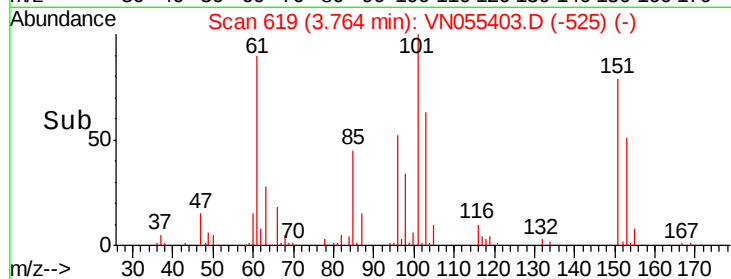
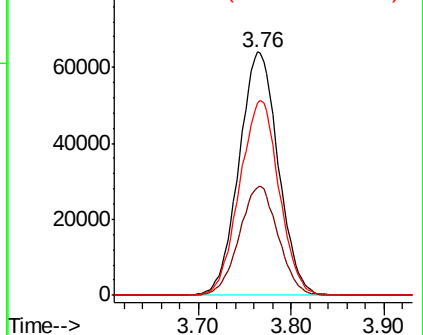
151 80.5 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.879 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

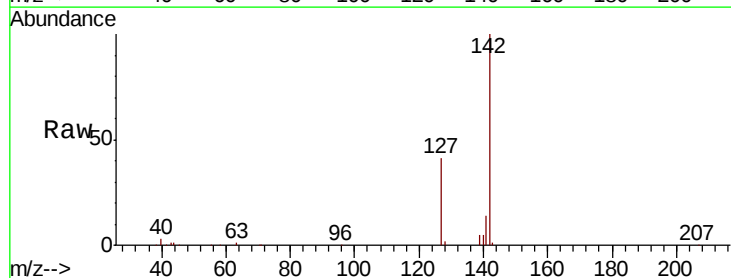
Tgt Ion:142 Resp: 267445

Ion Ratio Lower Upper

142 100

127 43.1 34.4 51.6

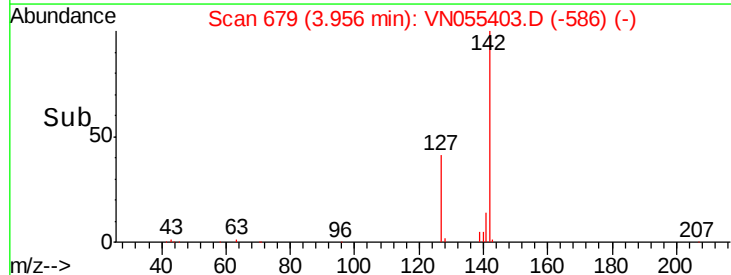
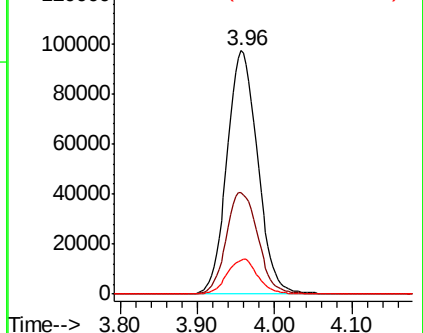
141 14.4 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

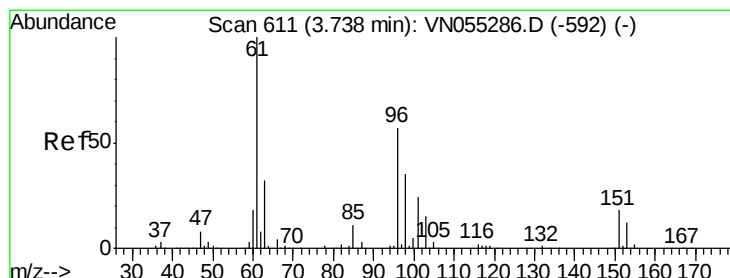
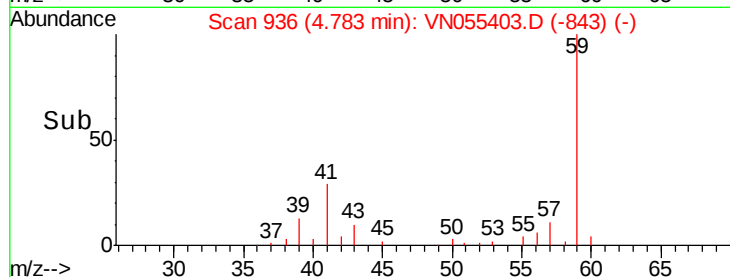
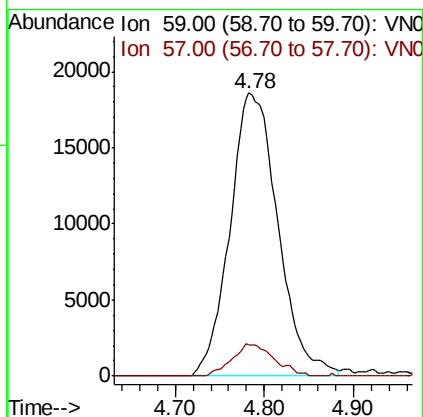
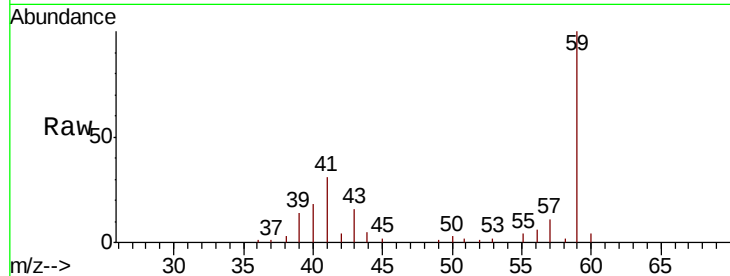




#11
Tert butyl alcohol
Concen: 236.030 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

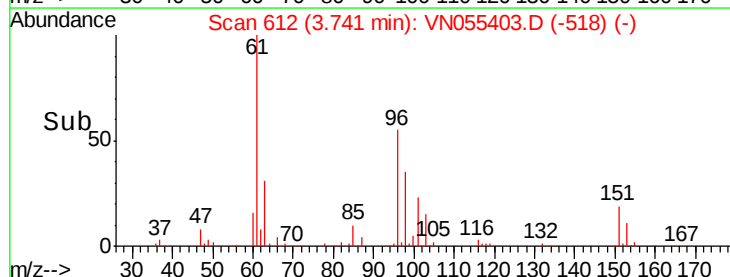
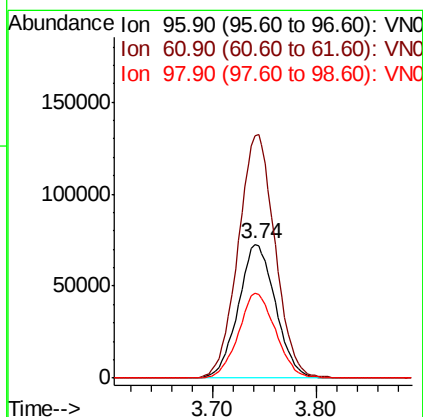
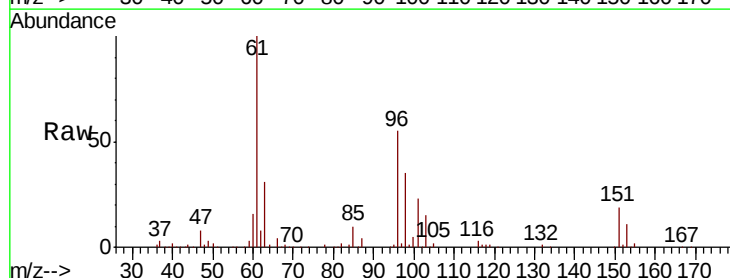
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

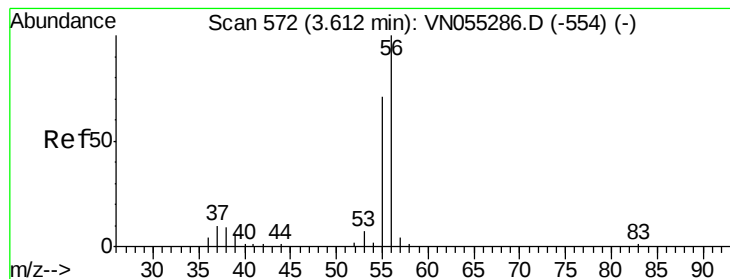
Tot Ion: 59 Resp: 69207
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2



#12
1,1-Dichloroethene
Concen: 47.154 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 96 Resp: 182352
Ion Ratio Lower Upper
96 100
61 181.2 140.9 211.3
98 63.6 50.0 75.0





#13

Acrolein

Concen: 181.856 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

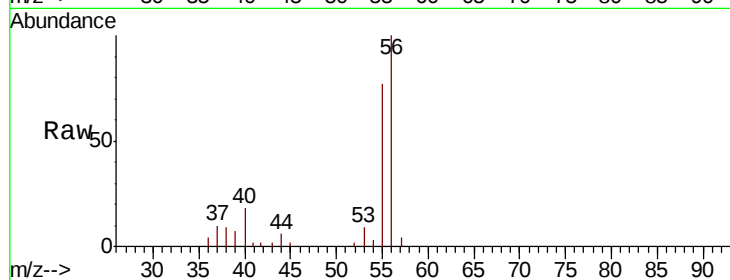
VSTDCCC050EC

Tot Ion: 56 Resp: 41643

Ion Ratio Lower Upper

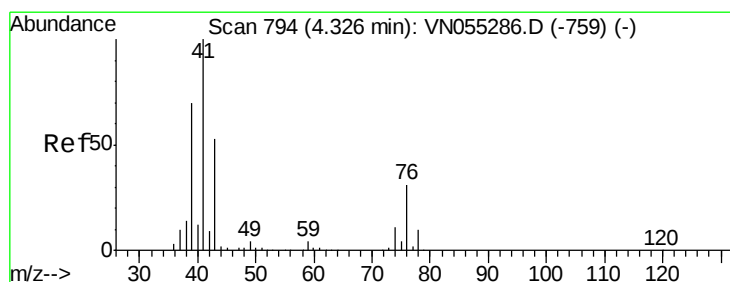
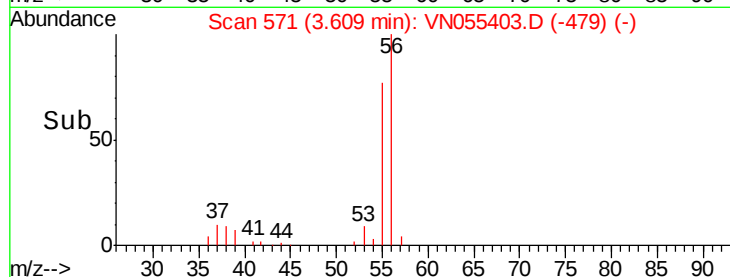
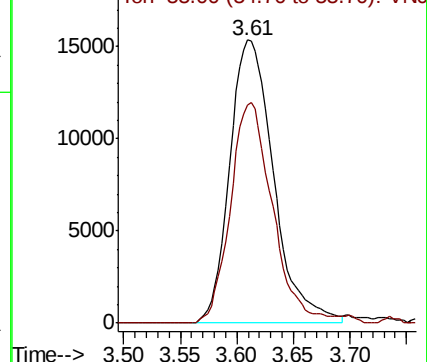
56 100

55 74.4 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.598 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

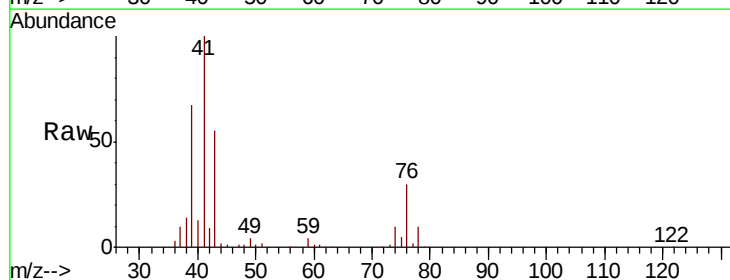
Tgt Ion: 41 Resp: 389232

Ion Ratio Lower Upper

41 100

39 65.1 53.0 79.6

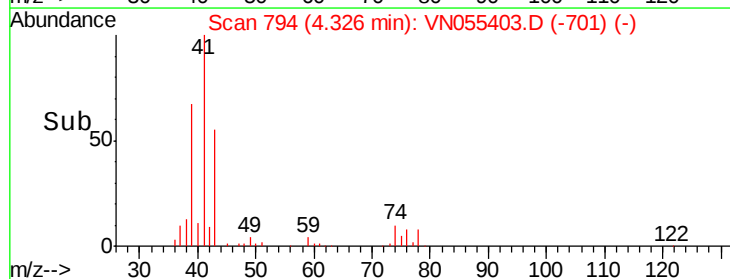
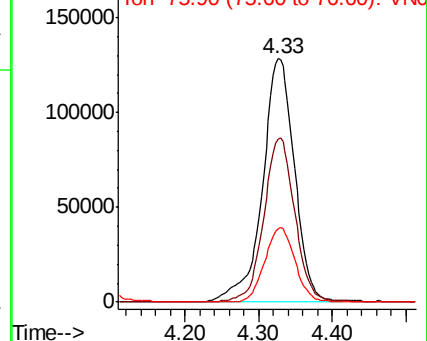
76 28.8 22.7 34.1

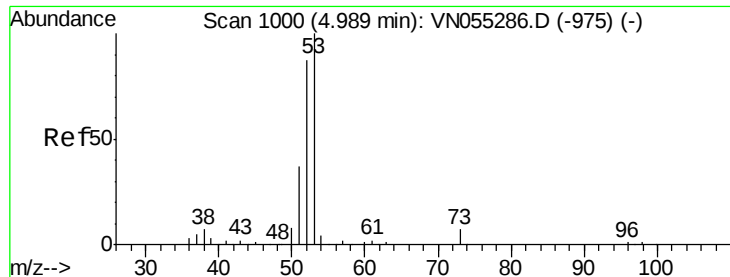


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 248.251 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

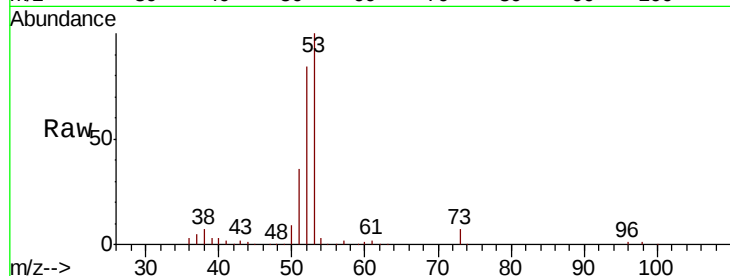
Tot Ion: 53 Resp: 409148

Ion Ratio Lower Upper

53 100

52 82.3 66.5 99.7

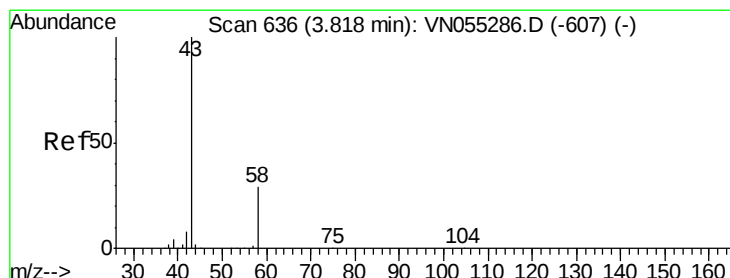
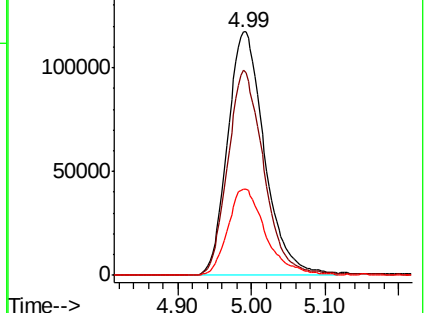
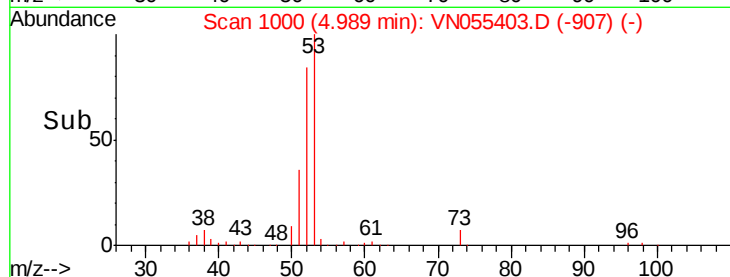
51 36.4 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 197.026 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055403.D

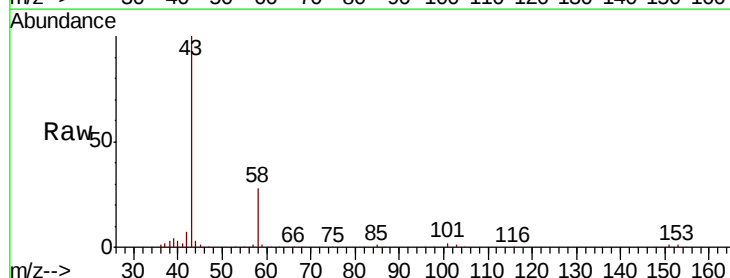
Acq: 3 May 2019 20:48

Tgt Ion: 43 Resp: 314405

Ion Ratio Lower Upper

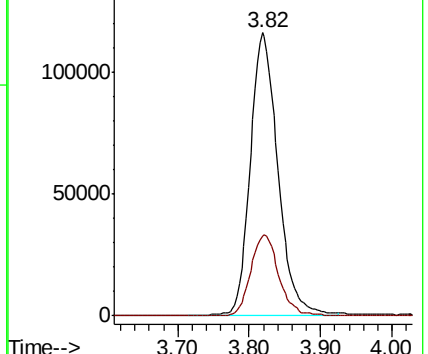
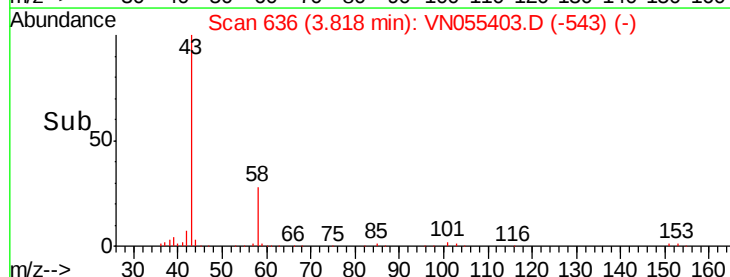
43 100

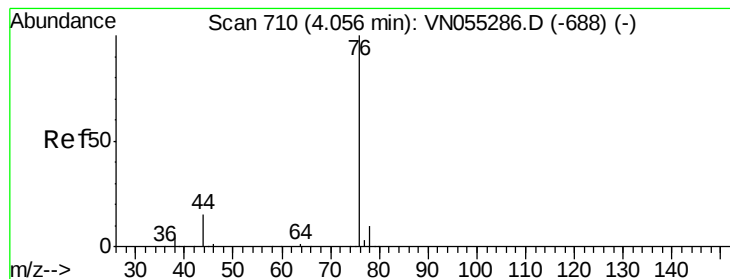
58 28.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 40.847 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

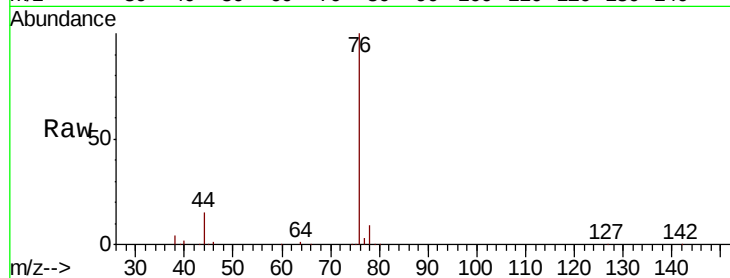
VSTDCCC050EC

Tot Ion: 76 Resp: 412238

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

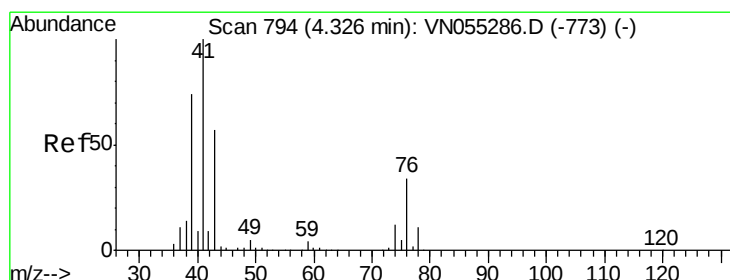
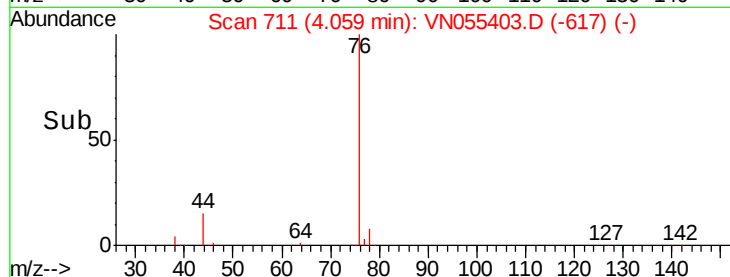
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 53.159 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055403.D

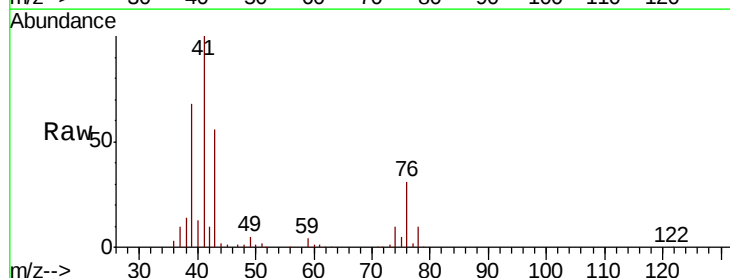
Acq: 3 May 2019 20:48

Tgt Ion: 43 Resp: 206392

Ion Ratio Lower Upper

43 100

74 19.6 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

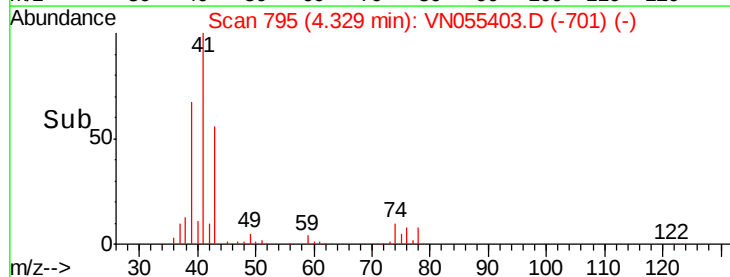
60000

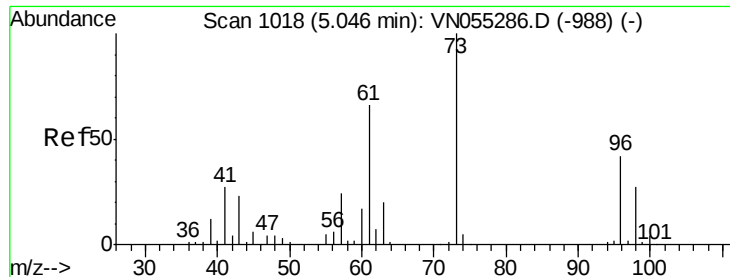
40000

20000

0

Time-->

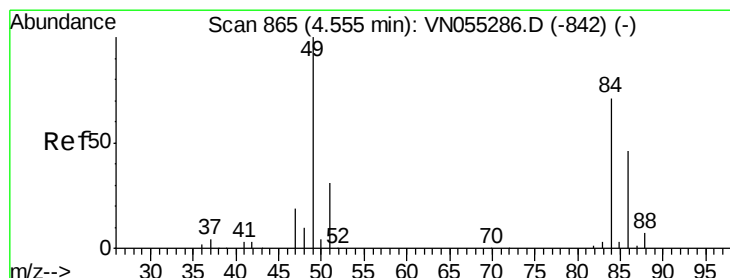
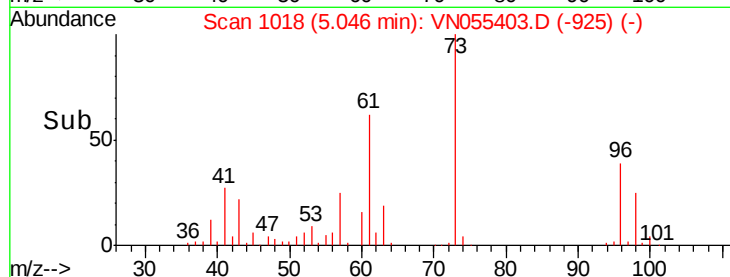
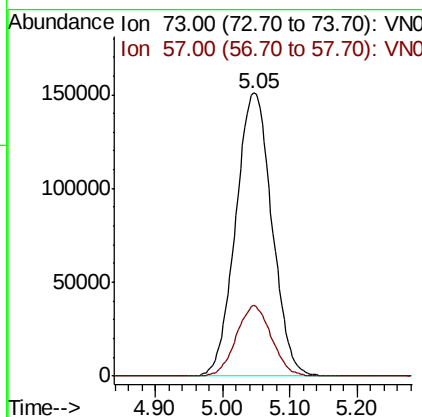
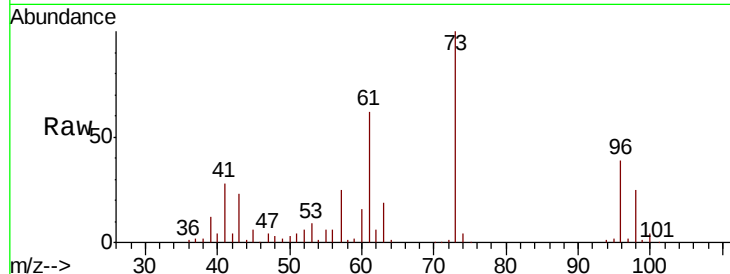




#19
Methvl tert-butvl Ether
Concen: 51.856 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

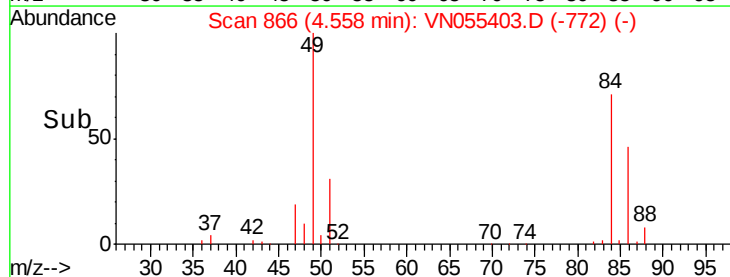
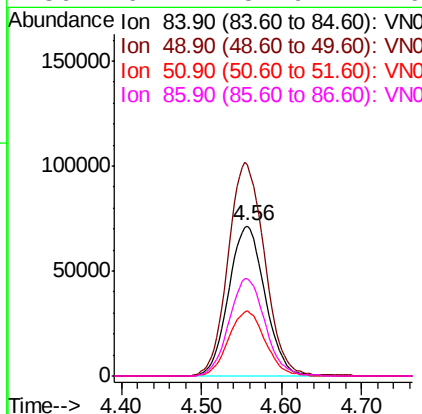
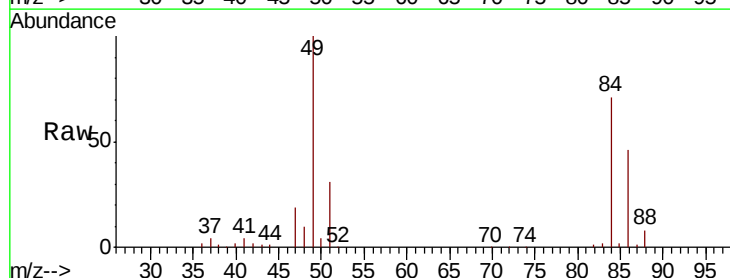
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

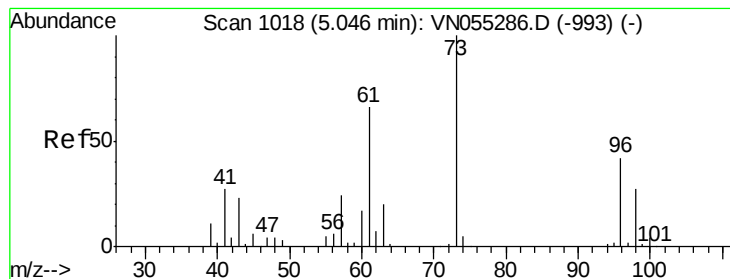
Tot Ion: 73 Resp: 563753
Ion Ratio Lower Upper
73 100
57 24.9 19.1 28.7



#20
Methylene Chloride
Concen: 45.325 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 84 Resp: 220765
Ion Ratio Lower Upper
84 100
49 140.1 112.4 168.6
51 43.2 34.6 51.8
86 64.7 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 46.428 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

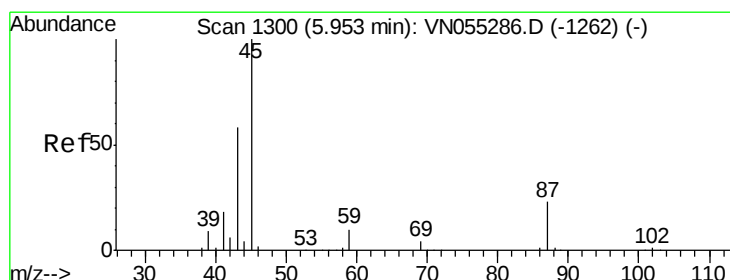
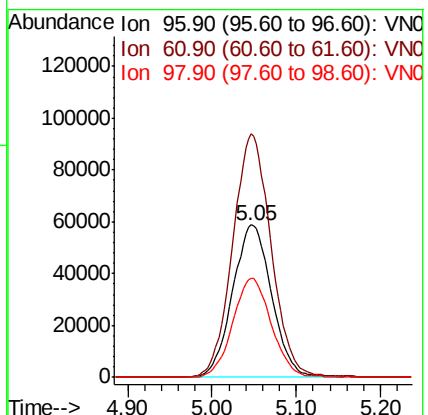
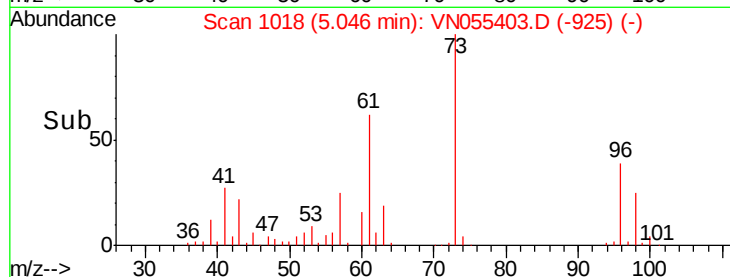
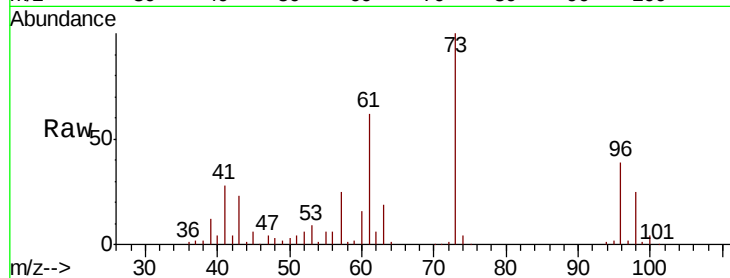
Tot Ion: 96 Resp: 190148

Ion Ratio Lower Upper

96 100

61 159.4 126.2 189.4

98 65.1 52.2 78.2



#22

Diisopropyl ether

Concen: 52.308 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Tgt Ion: 45 Resp: 832398

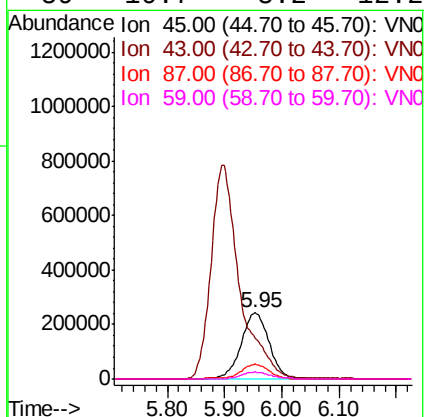
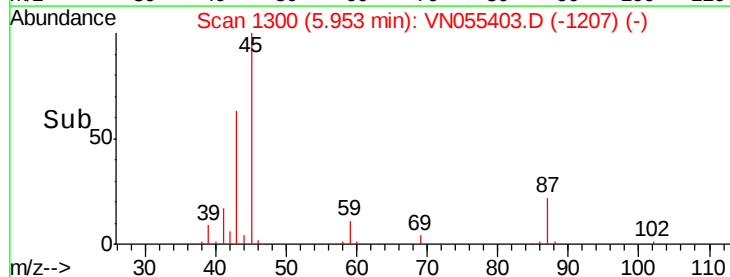
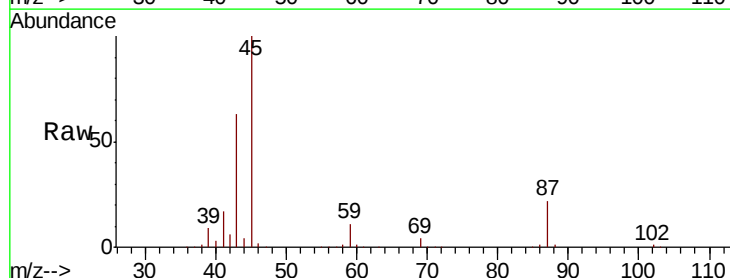
Ion Ratio Lower Upper

45 100

43 61.8 46.6 70.0

87 22.3 18.1 27.1

59 10.7 8.2 12.2

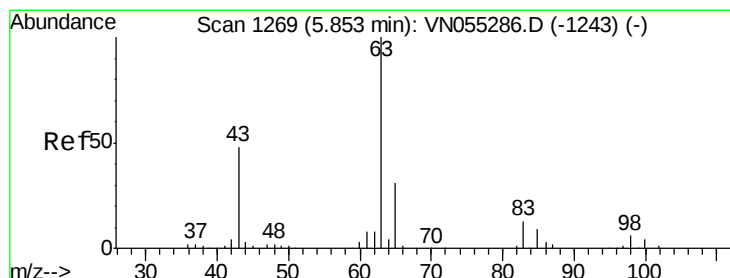
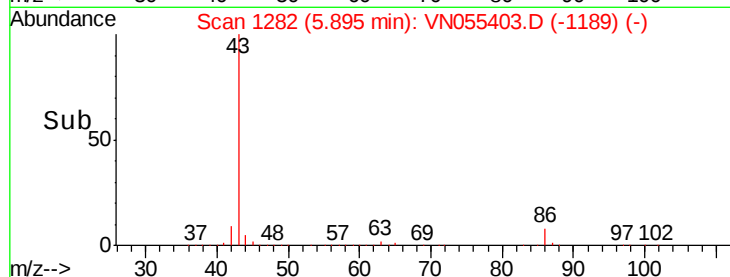
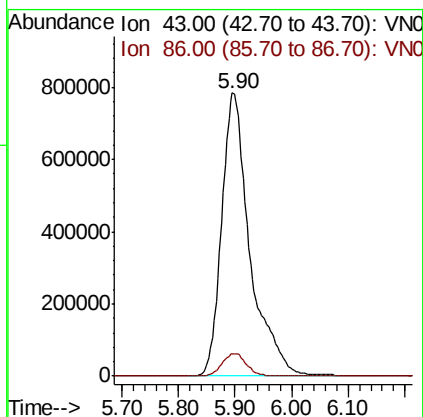
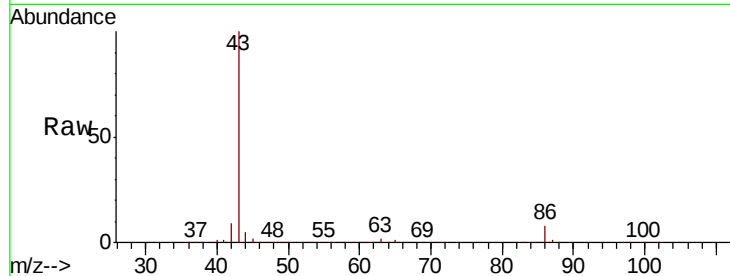




#23
 Vinyl Acetate
 Concen: 262.138 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

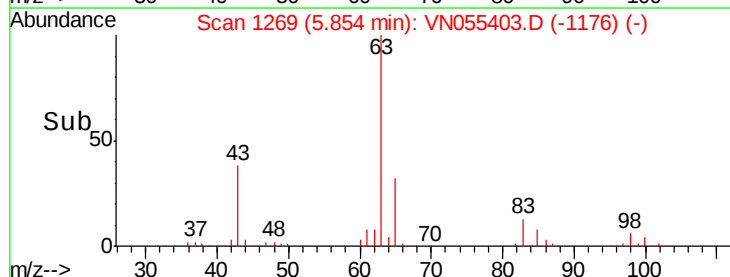
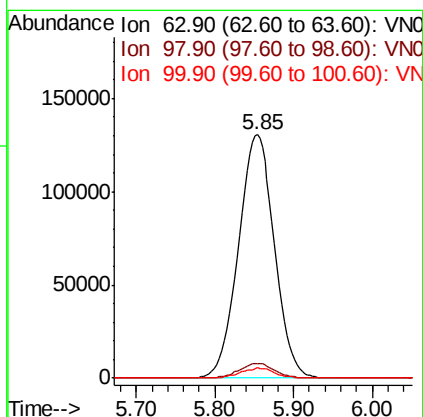
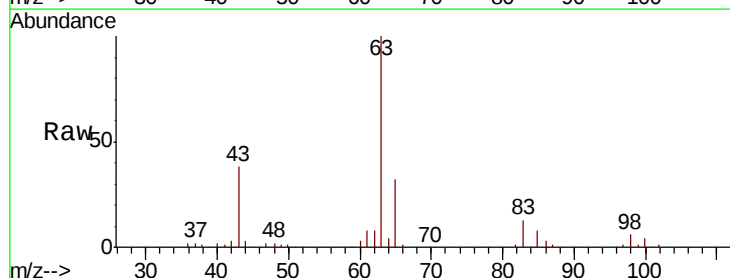
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

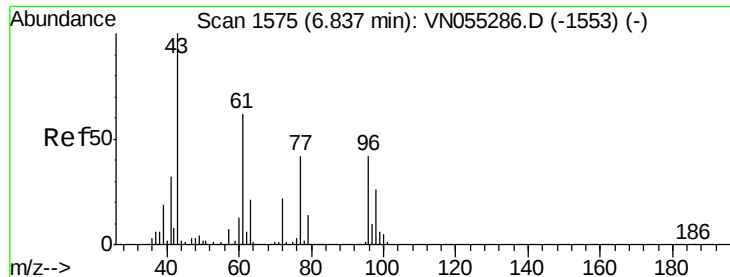
Tot Ion: 43 Resp: 2734013
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.6 10.0



#24
 1,1-Dichloroethane
 Concen: 49.400 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion: 63 Resp: 418857
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.0
 100 4.3 1.8 5.4

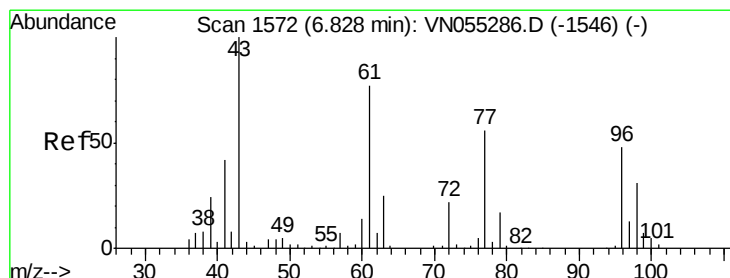
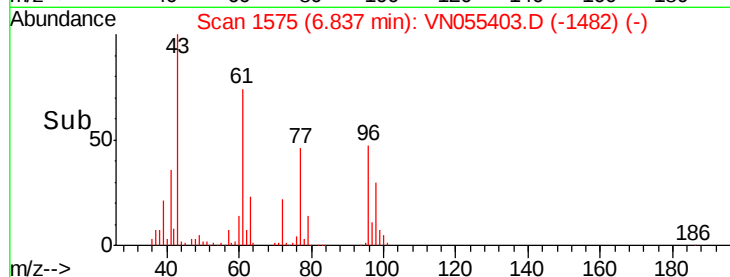
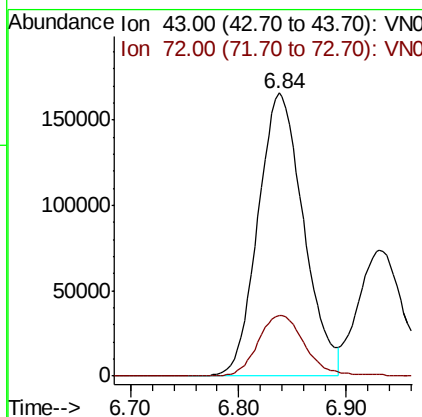
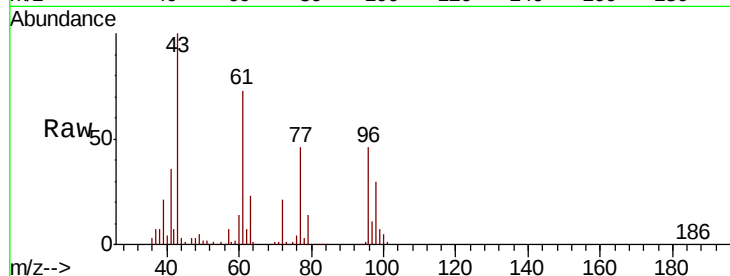




#25
2-Butanone
Concen: 236.740 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

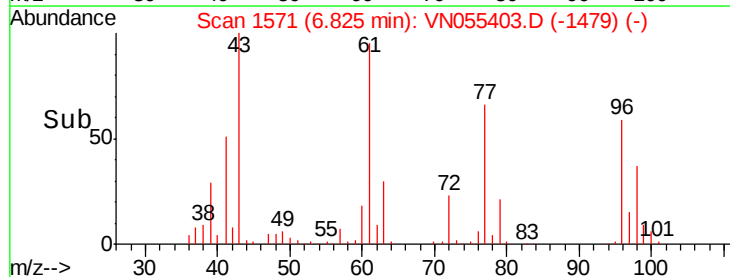
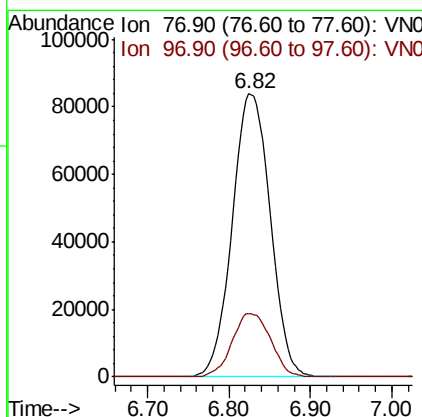
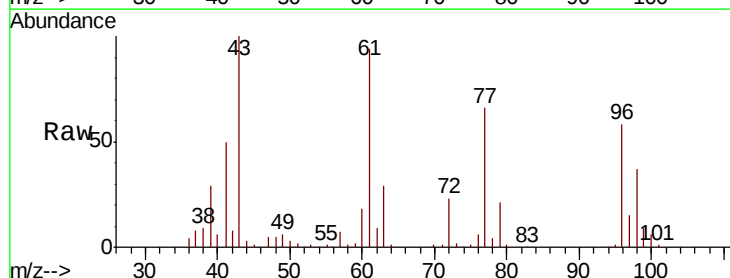
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 483130
Ion Ratio Lower Upper
43 100
72 21.5 18.0 27.0



#26
2,2-Dichloropropane
Concen: 46.316 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 77 Resp: 271178
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 50.097 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

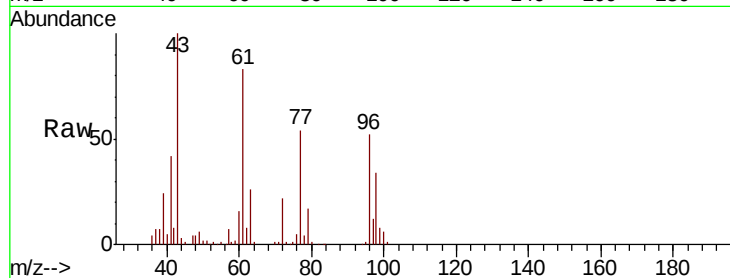
Tot Ion: 96 Resp: 233321

Ion Ratio Lower Upper

96 100

61 158.4 0.0 316.2

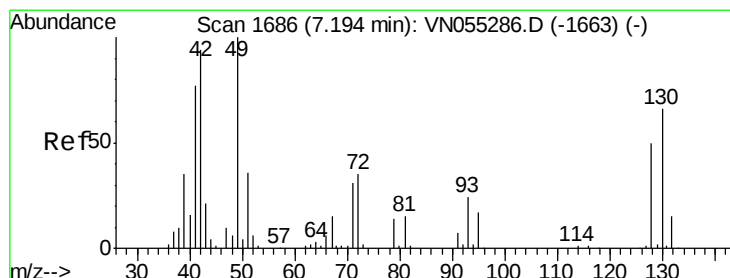
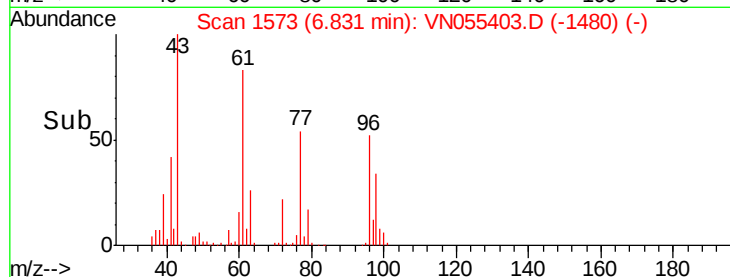
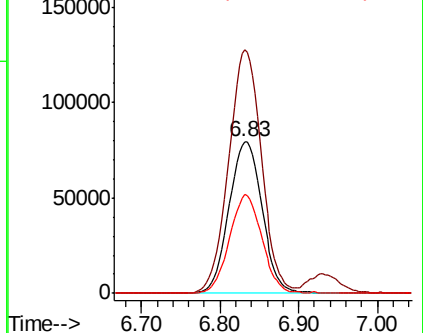
98 63.7 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.679 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

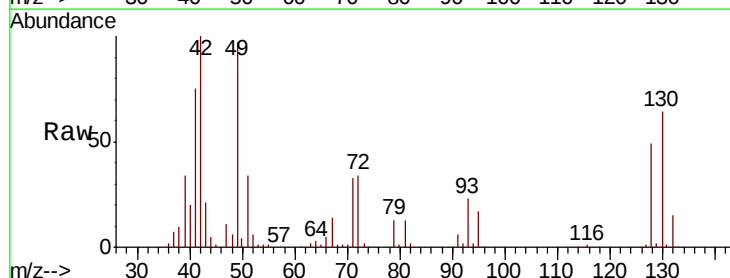
Tgt Ion: 49 Resp: 208050

Ion Ratio Lower Upper

49 100

129 2.1 0.0 2.4

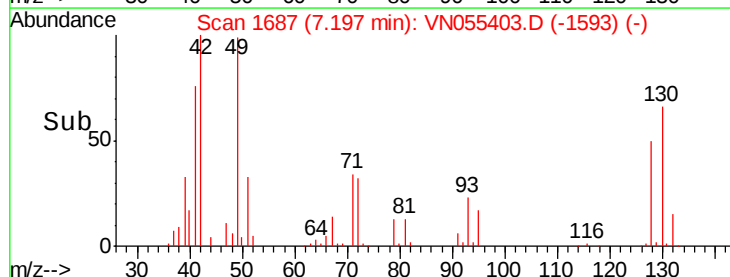
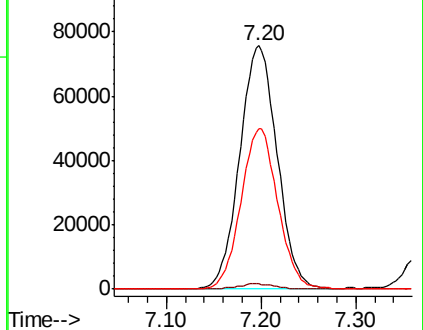
130 64.9 52.0 78.0

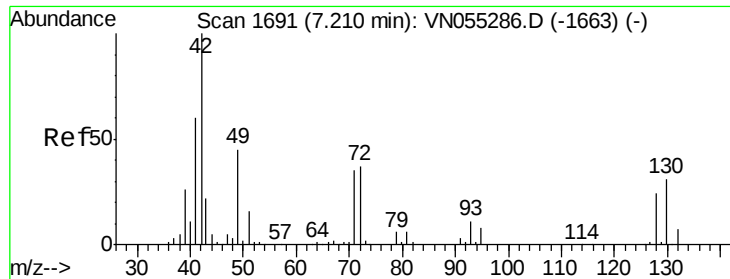


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

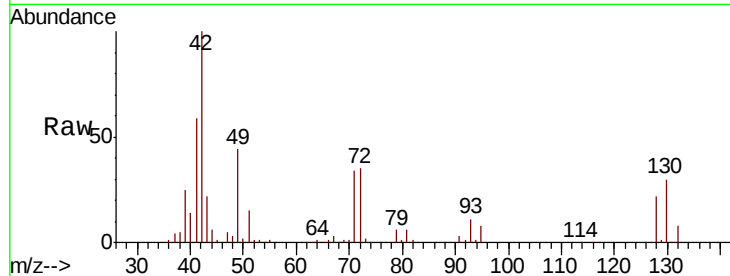




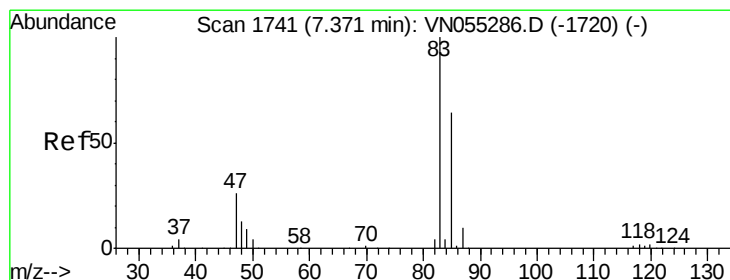
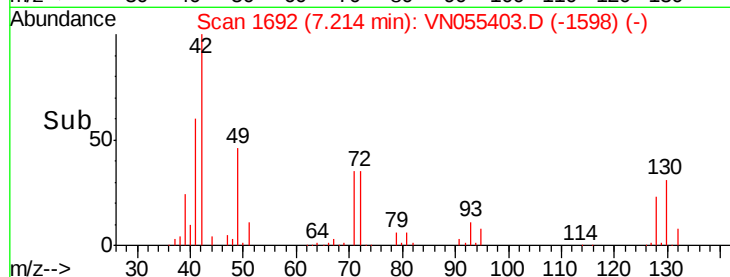
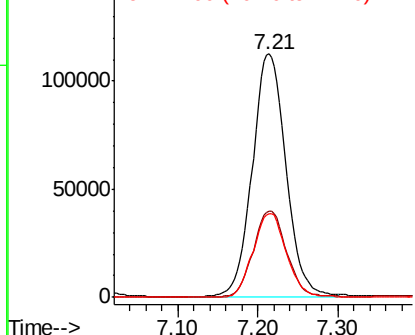
#29
Tetrahydrofuran
Concen: 250.180 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 326925
Ion Ratio Lower Upper
42 100
72 35.0 29.0 43.6
71 34.0 27.1 40.7

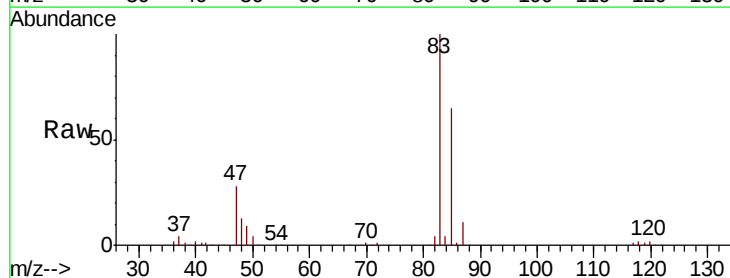


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

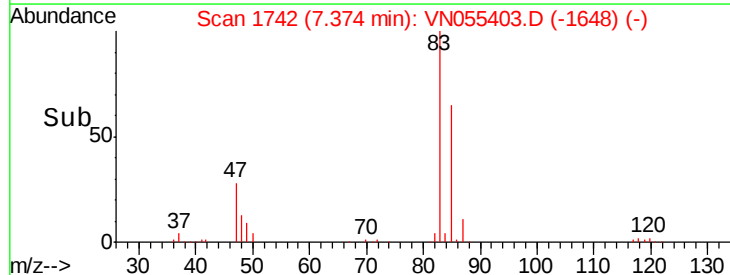
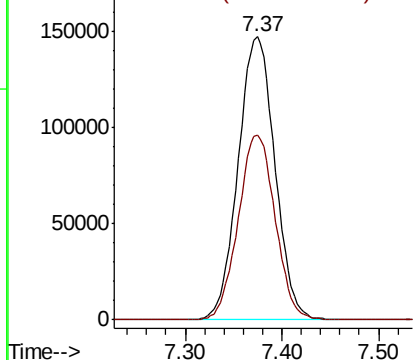


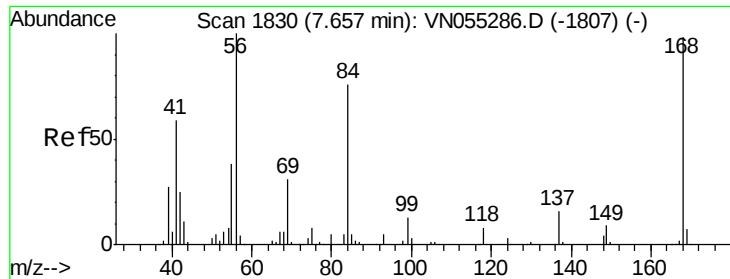
#30
Chloroform
Concen: 48.472 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 83 Resp: 389600
Ion Ratio Lower Upper
83 100
85 65.1 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

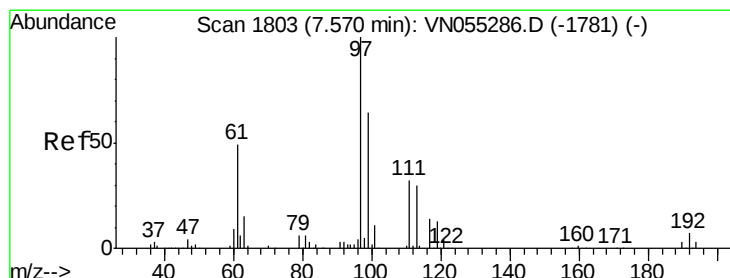
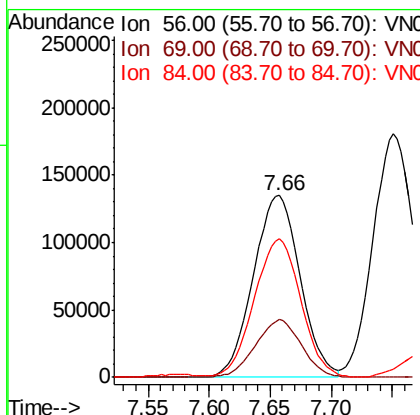
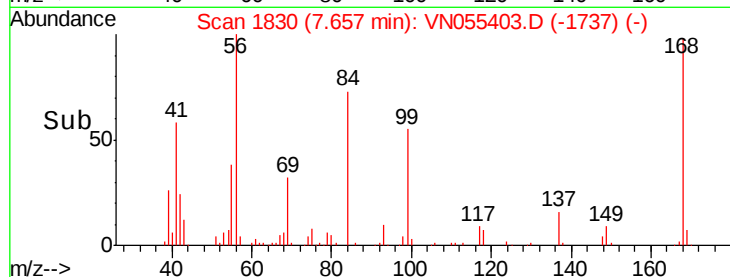
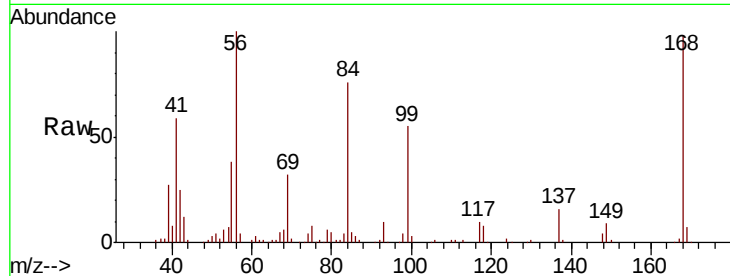




#31
Cyclohexane
Concen: 44.721 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

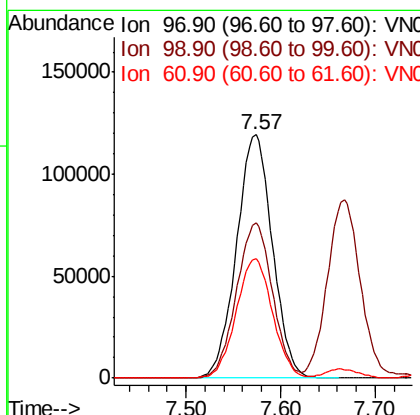
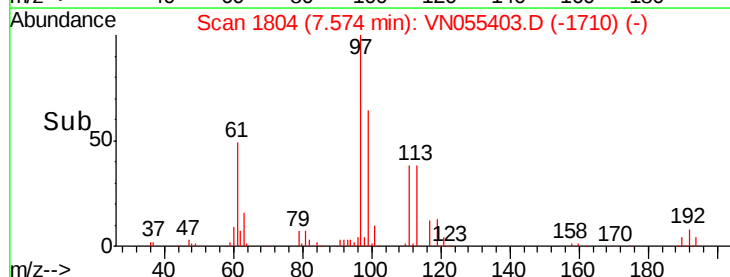
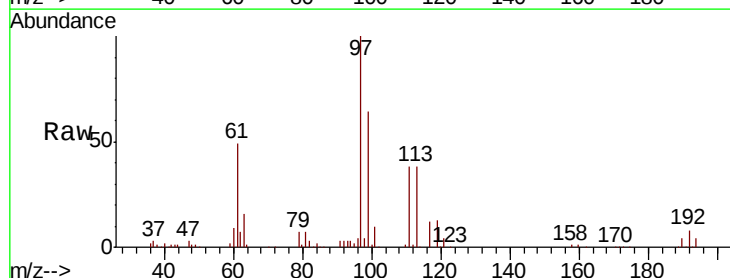
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

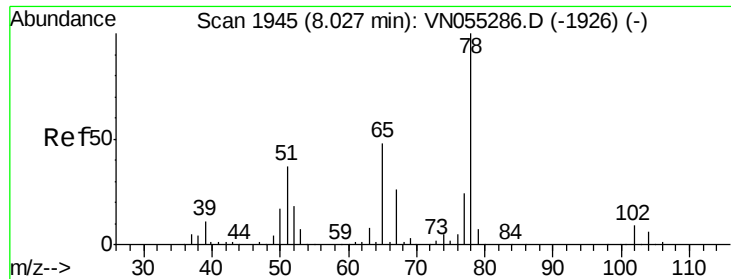
Tot Ion: 56 Resp: 360263
Ion Ratio Lower Upper
56 100
69 31.6 25.2 37.8
84 74.6 61.1 91.7



#32
1,1,1-Trichloroethane
Concen: 48.368 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 97 Resp: 315519
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.8
61 49.7 39.0 58.6





#33

1,2-Dichloroethane-d4

Concen: 50.223 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

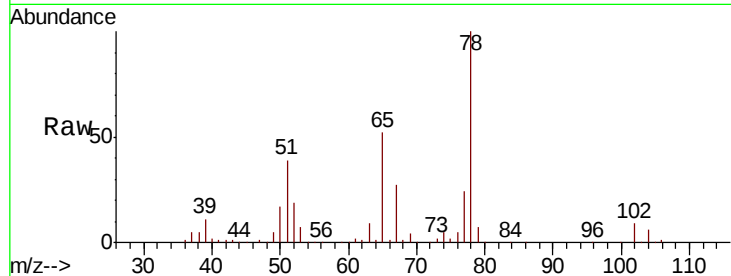
VSTDCCC050EC

Tot Ion: 65 Resp: 257210

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN055403.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055403.D (-1852) (-)

8.03

120000

100000

80000

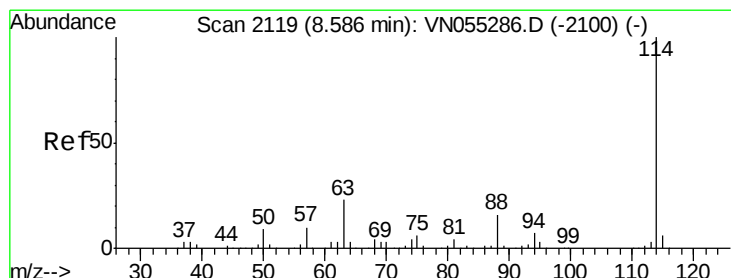
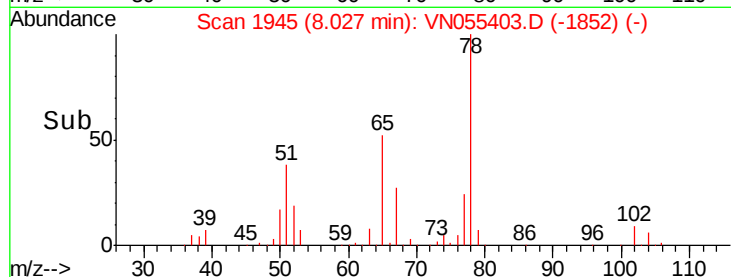
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

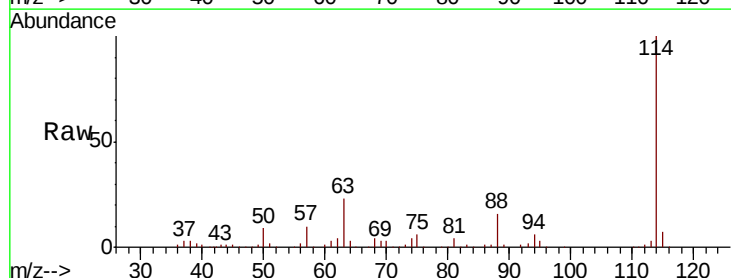
Tgt Ion: 114 Resp: 645349

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.2

88 16.1 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN055403.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055403.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055403.D (-2026) (-)

8.59

400000

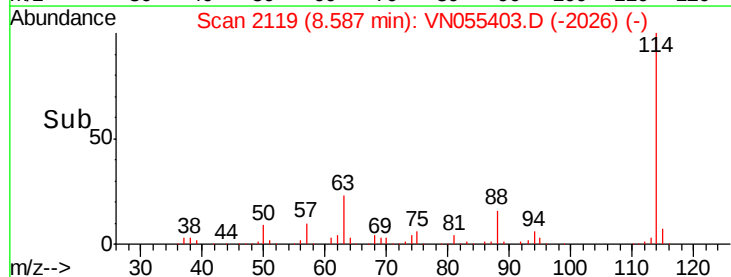
300000

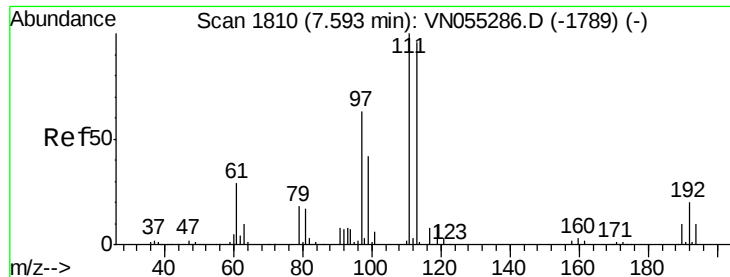
200000

100000

0

Time-->

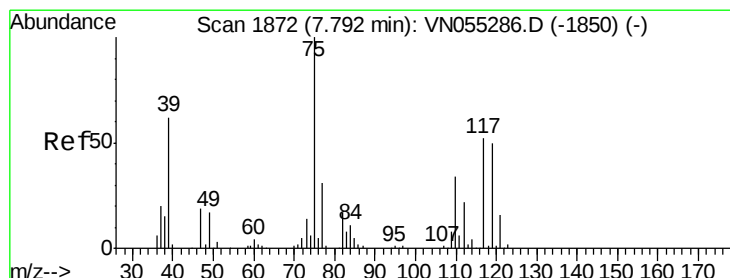
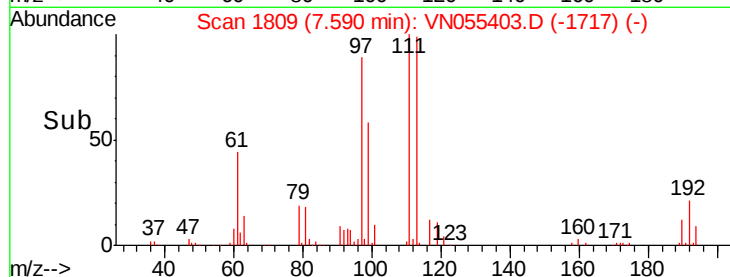
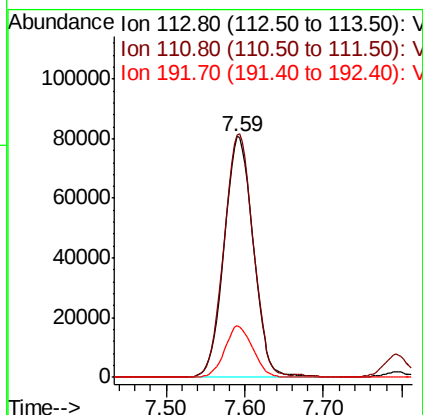
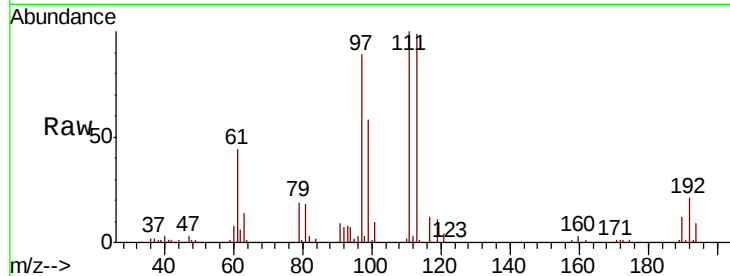




#35
 Dibromofluoromethane
 Concen: 48.685 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

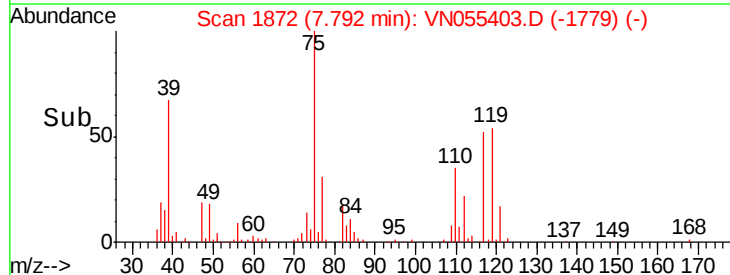
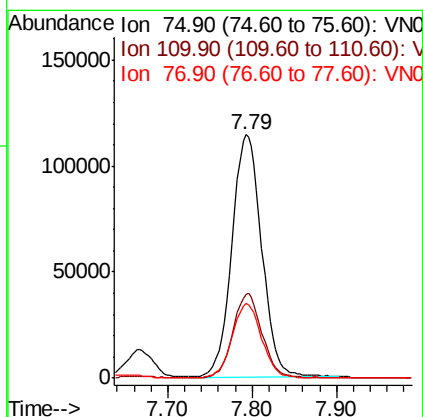
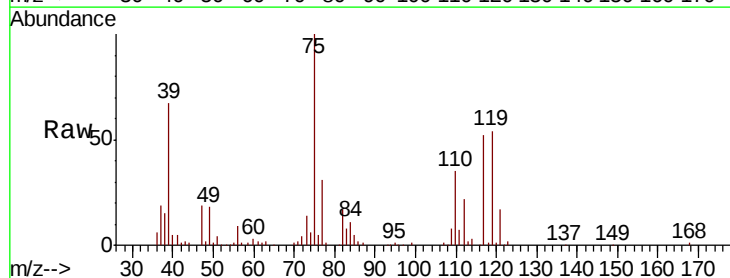
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

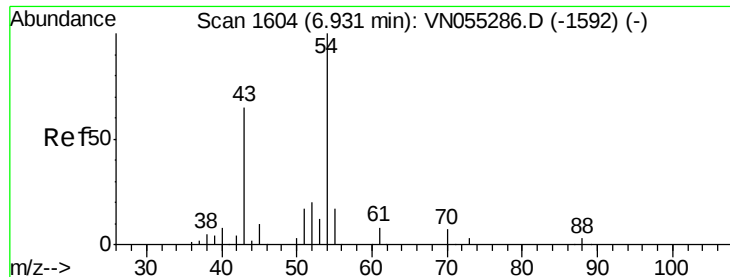
Tot Ion:113 Resp: 206223
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.3 123.5
 192 20.5 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 45.596 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion: 75 Resp: 281852
 Ion Ratio Lower Upper
 75 100
 110 34.0 16.8 50.4
 77 30.6 25.0 37.6

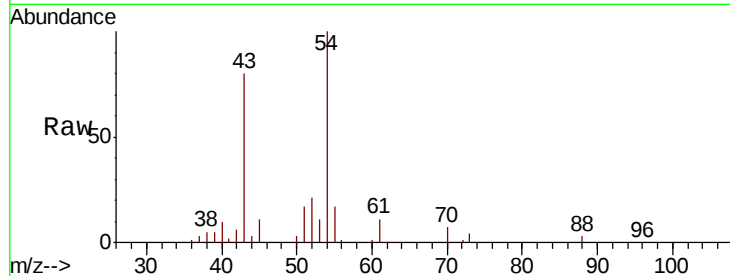




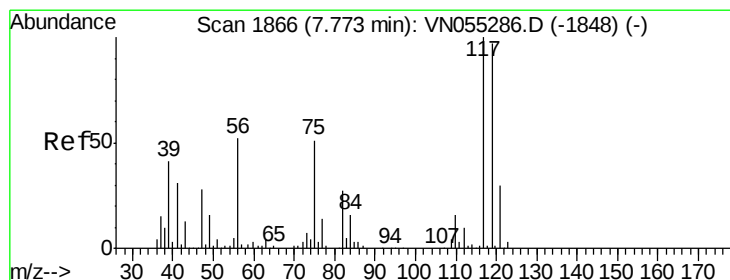
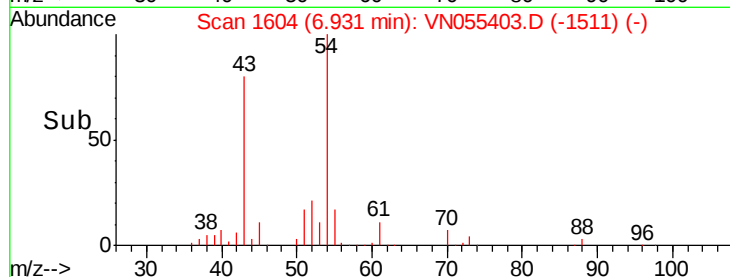
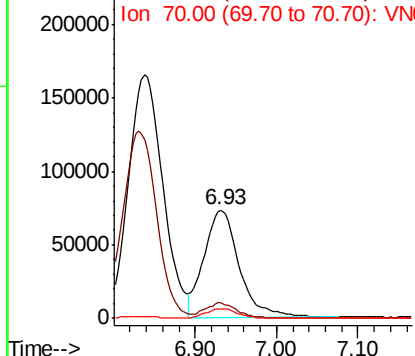
#37
Ethyl Acetate
Concen: 46.611 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 220824
Ion Ratio Lower Upper
43 100
61 12.2 10.4 15.6
70 8.3 6.6 10.0

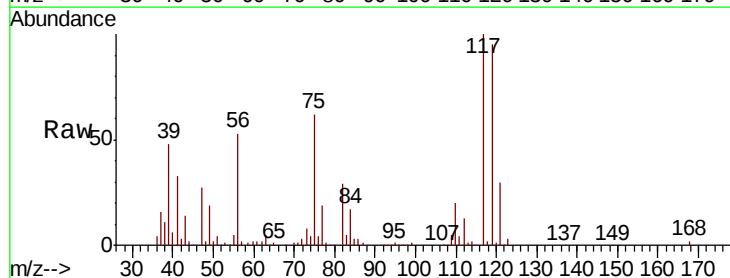


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

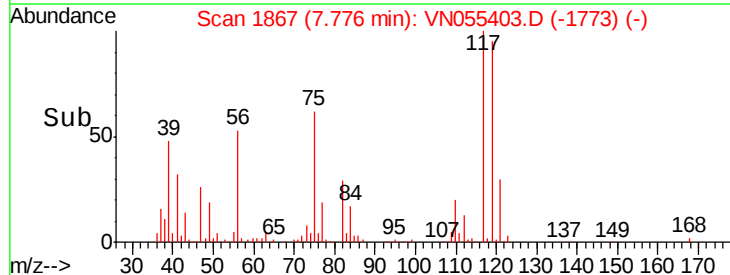
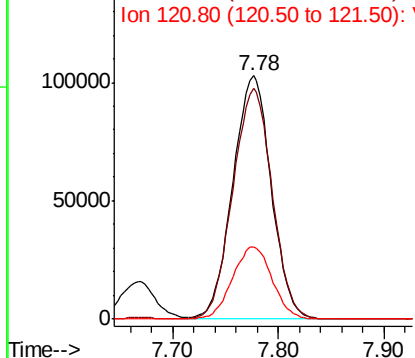


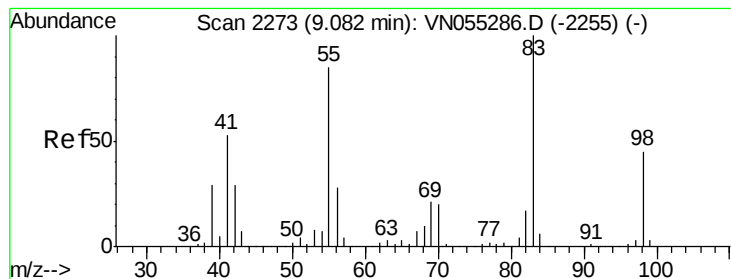
#38
Carbon Tetrachloride
Concen: 43.586 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 117 Resp: 259899
Ion Ratio Lower Upper
117 100
119 94.7 77.0 115.6
121 29.7 23.8 35.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

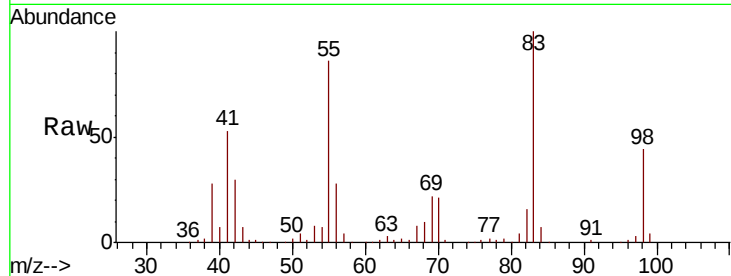




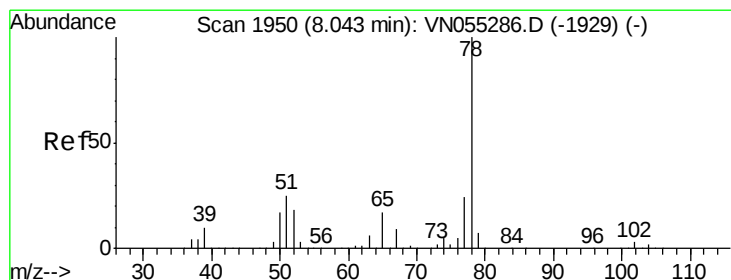
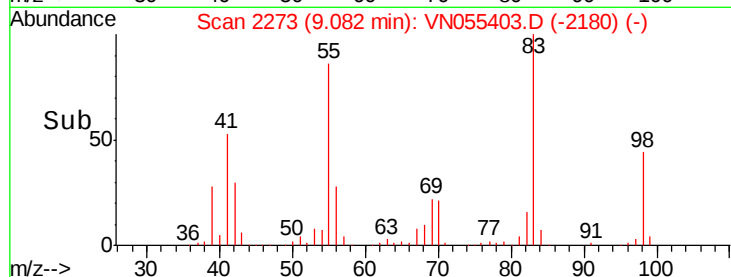
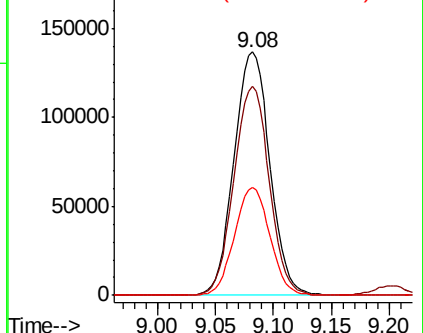
#39
Methvlcvclohexane
Concen: 44.819 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 294562
Ion Ratio Lower Upper
83 100
55 85.7 67.8 101.6
98 44.4 36.2 54.4

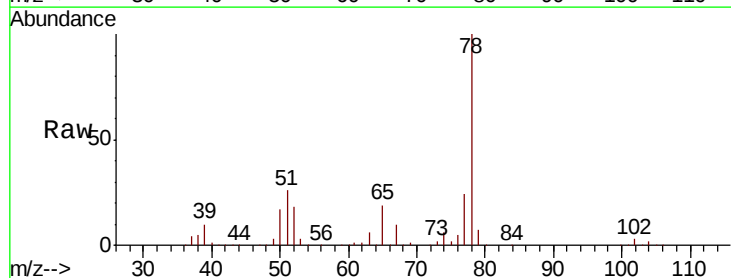


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

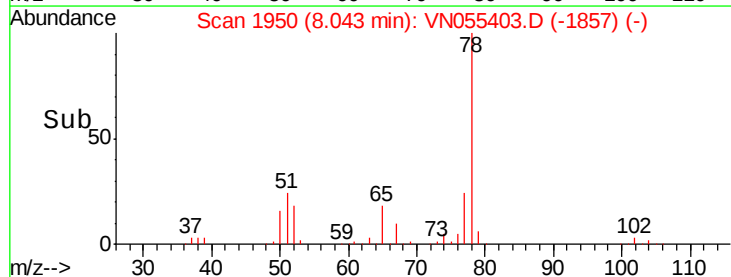
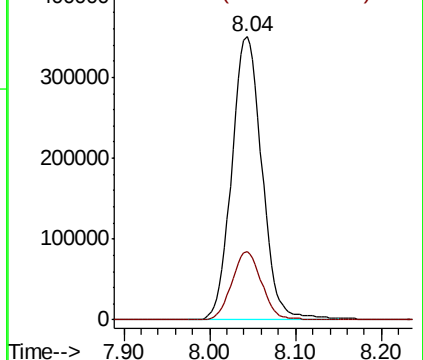


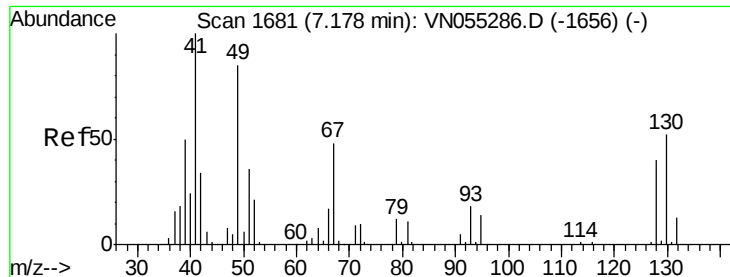
#40
Benzene
Concen: 46.994 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 78 Resp: 856347
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

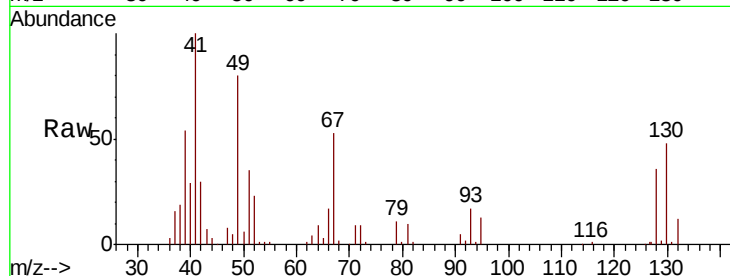




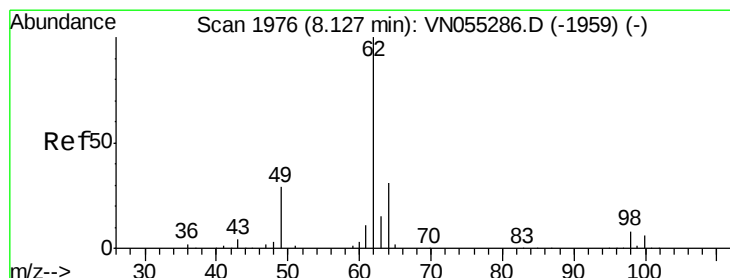
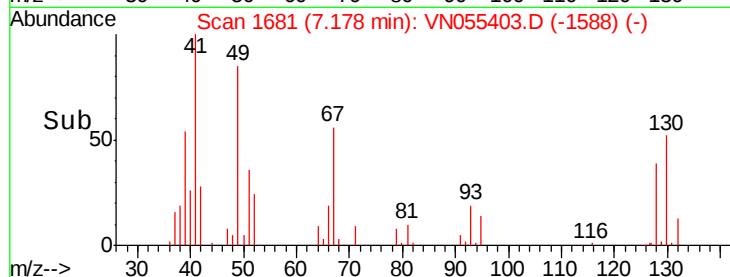
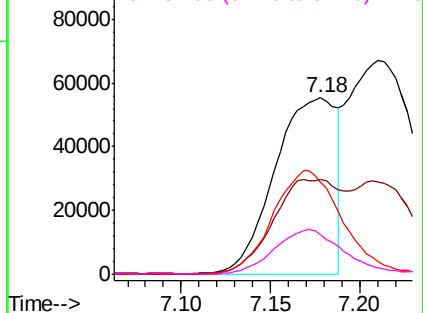
#41
Methacrylonitrile
Concen: 51.812 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	132917
Ion	Ratio	Lower	Upper
41	100		
39	33.6	48.5	72.7#
67	66.4	54.9	82.3
52	27.9	24.9	37.3

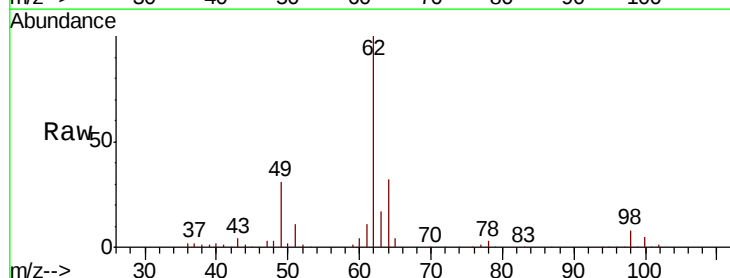


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

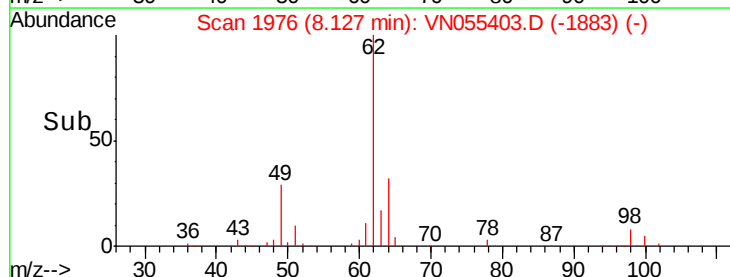
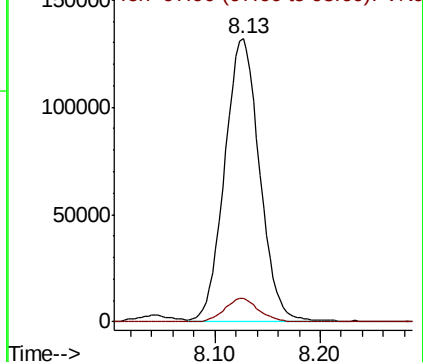


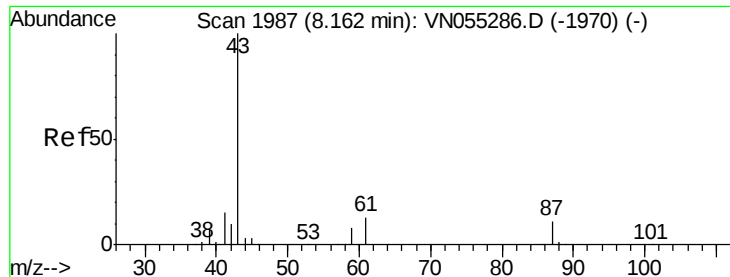
#42
1,2-Dichloroethane
Concen: 46.654 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion:	62	Resp:	301106
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 51.446 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

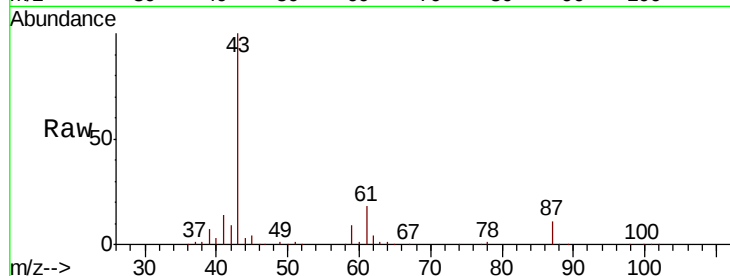
Tot Ion: 43 Resp: 391689

Ion Ratio Lower Upper

43 100

61 18.2 20.8 31.2#

87 10.2 8.5 12.7

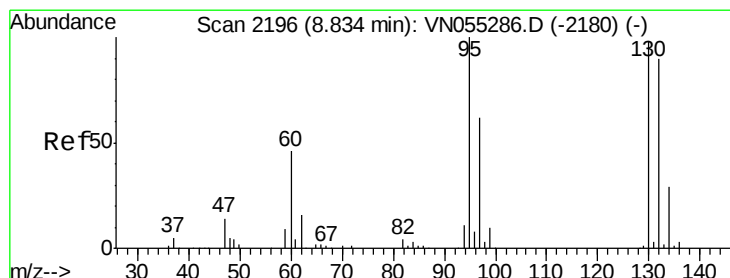
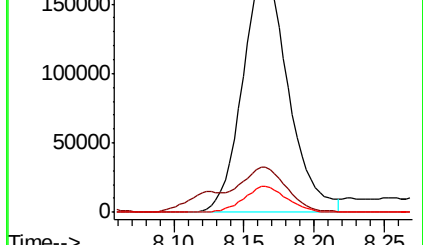
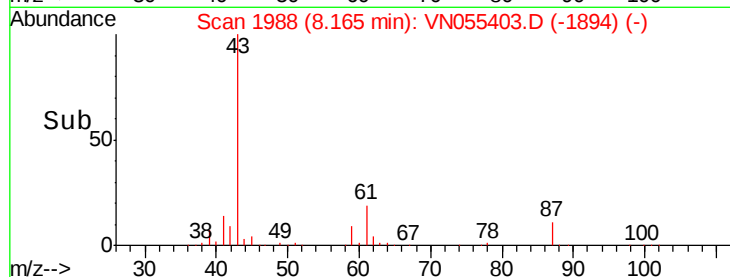


Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055286.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055286.D (-1970) (-)

Time-->



#44

Trichloroethene

Concen: 46.679 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055403.D

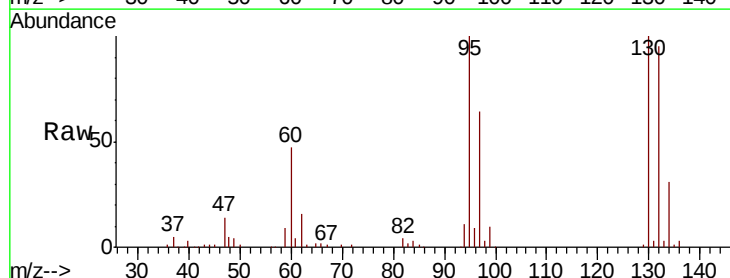
Acq: 3 May 2019 20:48

Tgt Ion:130 Resp: 216842

Ion Ratio Lower Upper

130 100

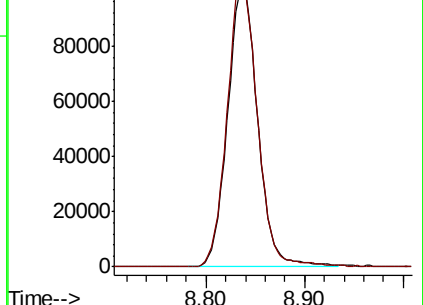
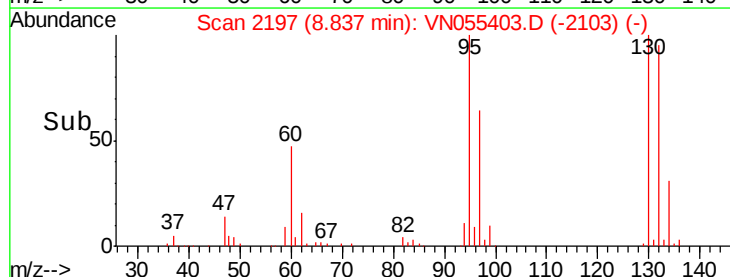
95 100.4 0.0 203.4

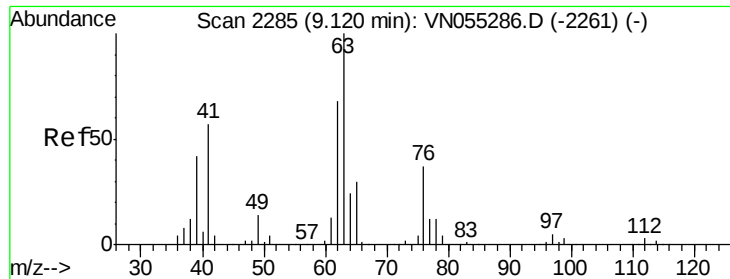


Abundance Ion 129.80 (129.50 to 130.50): VN055286.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055286.D (-2180) (-)

Time-->

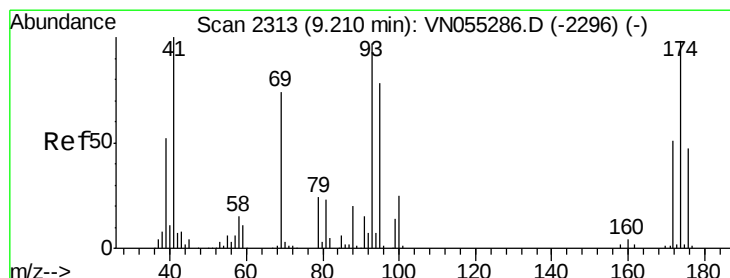
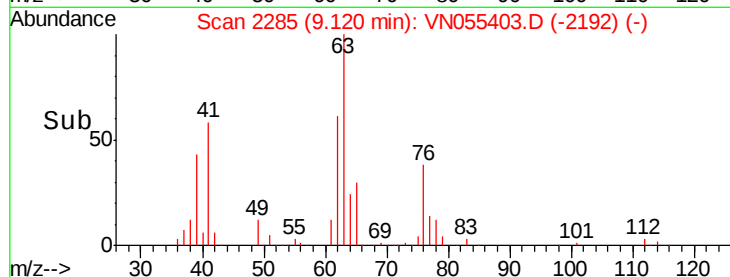
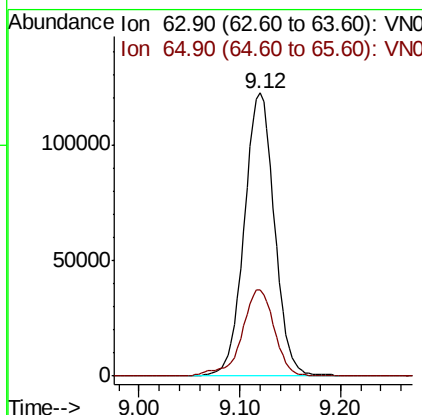
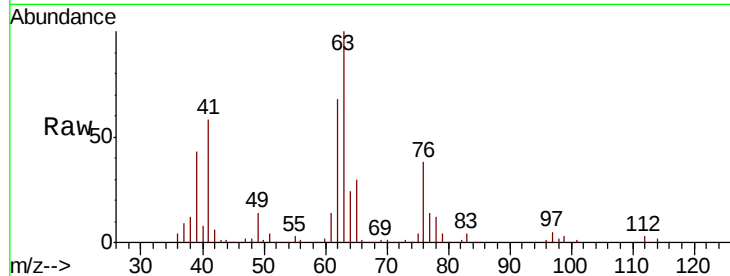




#45
 1,2-Dichloropropane
 Concen: 48.056 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

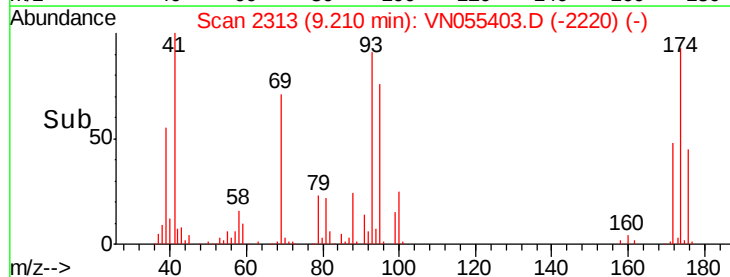
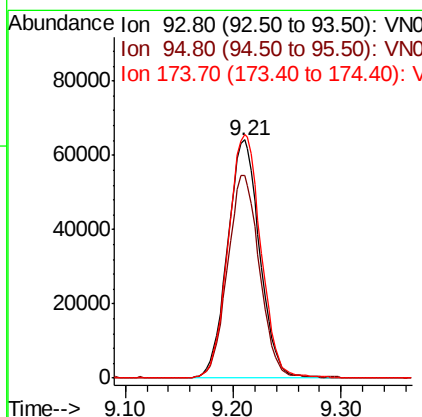
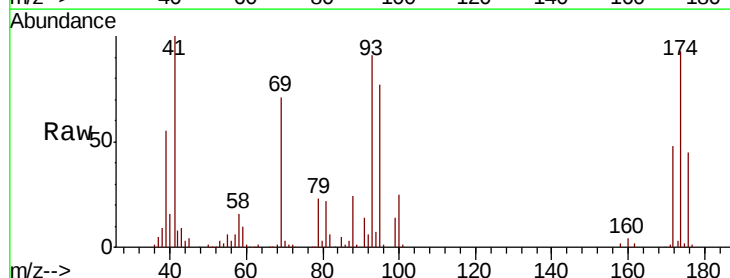
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

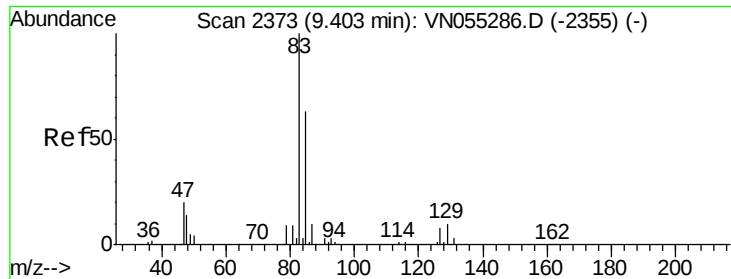
Tot Ion: 63 Resp: 252567
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.9 35.9



#46
 Dibromomethane
 Concen: 46.526 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion: 93 Resp: 133658
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.7 98.5
 174 104.0 81.5 122.3

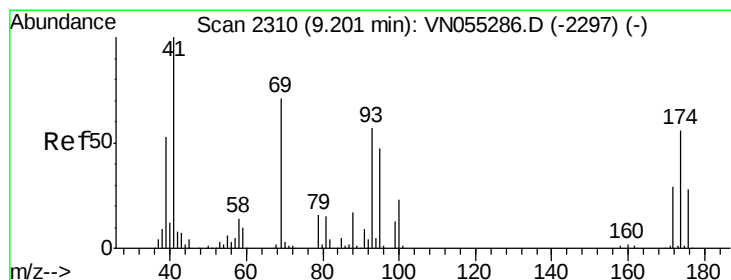
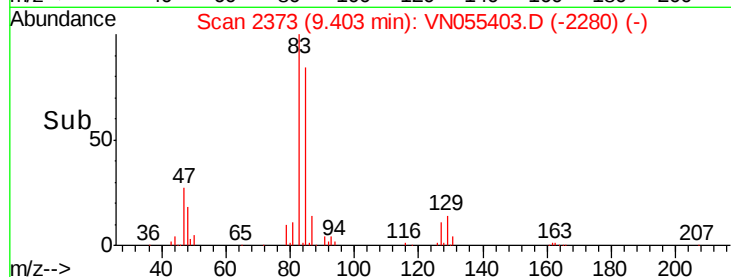
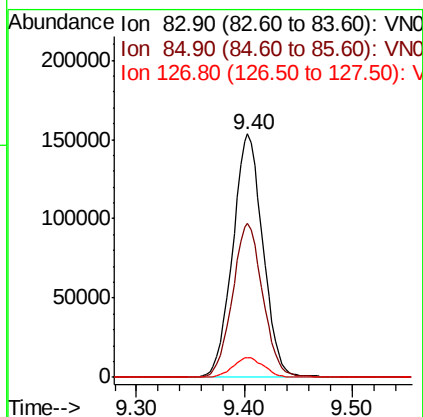
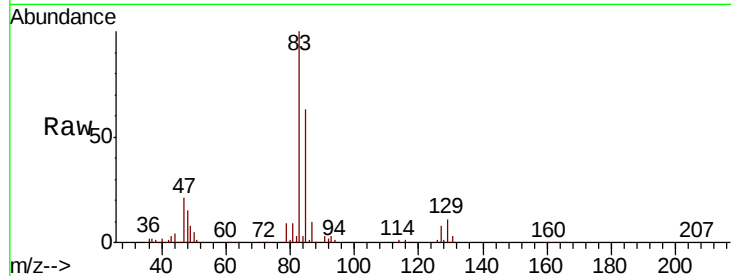




#47
Bromodichloromethane
Concen: 48.595 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

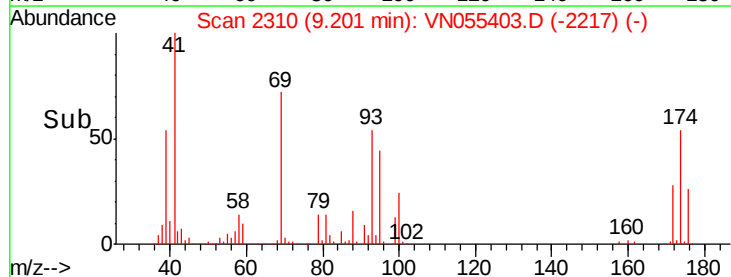
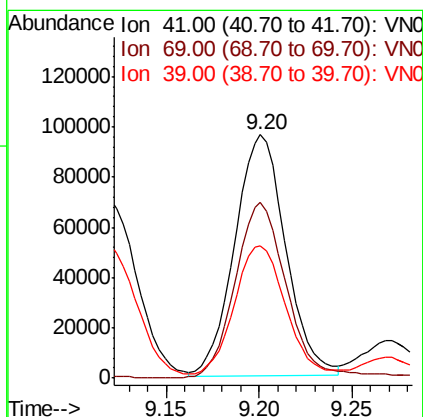
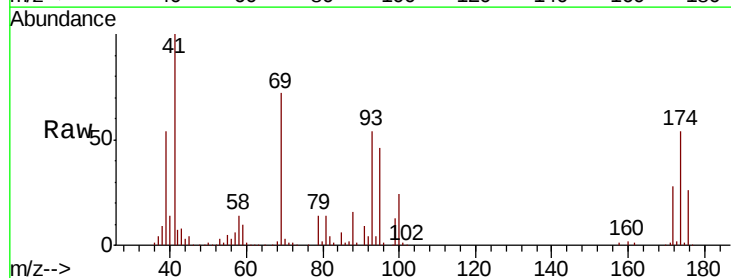
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

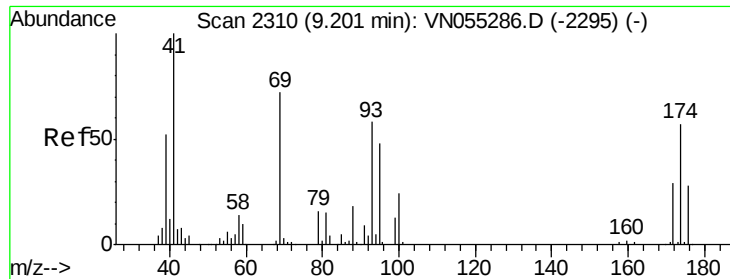
Tot Ion: 83 Resp: 299492
Ion Ratio Lower Upper
83 100
85 63.2 50.1 75.1
127 8.2 6.7 10.1



#48
Methyl methacrylate
Concen: 49.287 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 41 Resp: 184473
Ion Ratio Lower Upper
41 100
69 74.7 58.6 87.8
39 55.3 43.8 65.6





#49

1,4-Dioxane

Concen: 962.009 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

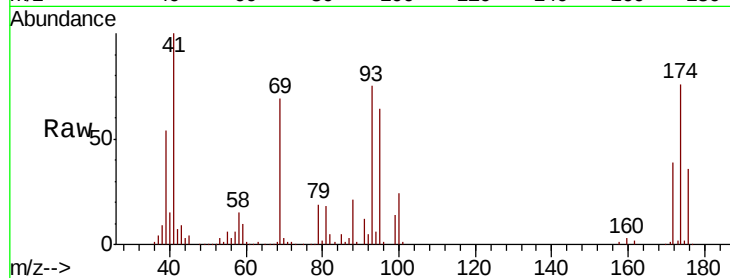
Tot Ion: 88 Resp: 37221

Ion Ratio Lower Upper

88 100

43 37.4 33.3 49.9

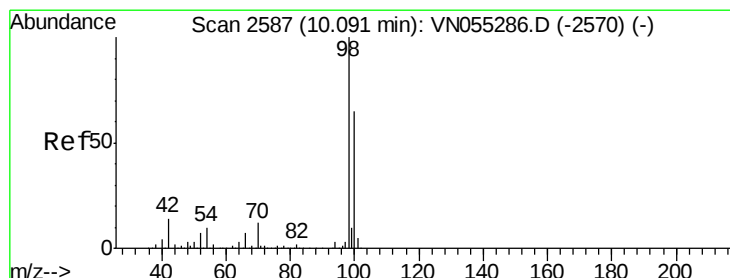
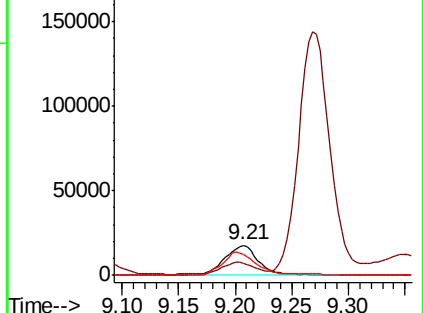
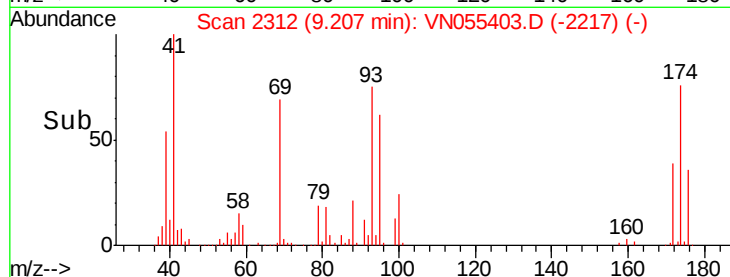
58 76.1 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055403.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN055403.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055403.D (-2217) (-)



#50

Toluene-d8

Concen: 48.871 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055403.D

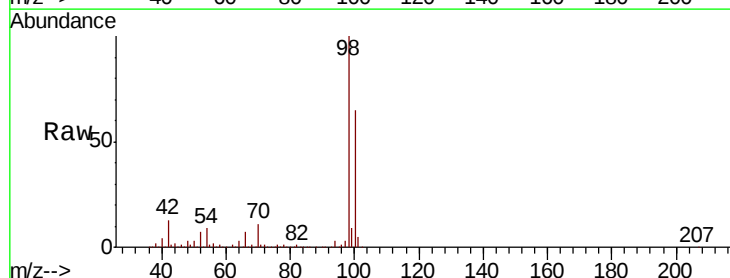
Acq: 3 May 2019 20:48

Tgt Ion: 98 Resp: 747492

Ion Ratio Lower Upper

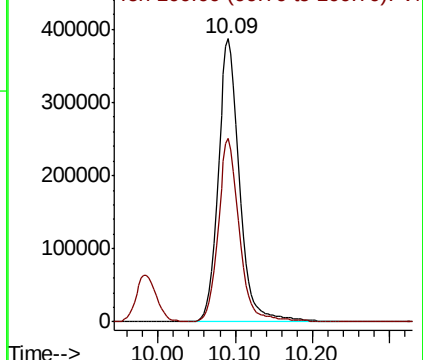
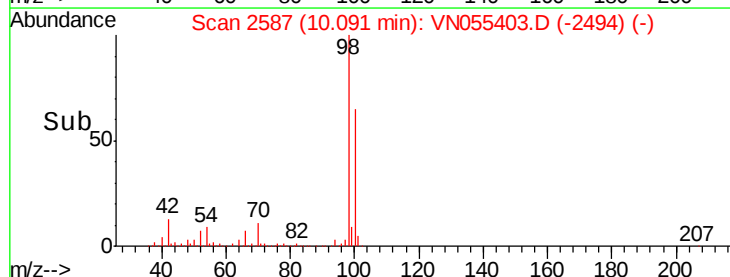
98 100

100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055403.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055403.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 243.401 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

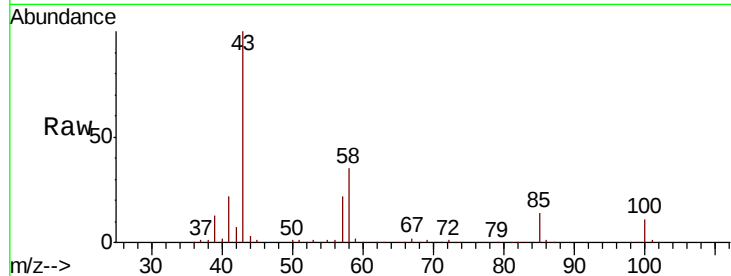
VSTDCCC050EC

Tot Ion: 43 Resp: 1043347

Ion Ratio Lower Upper

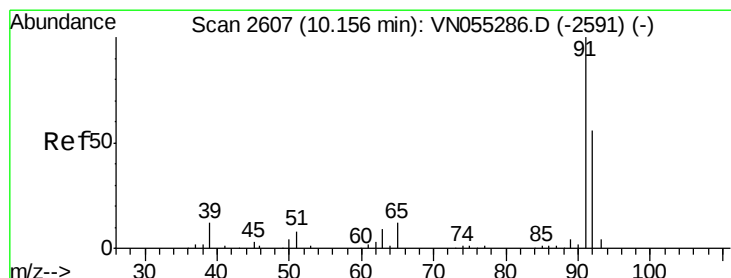
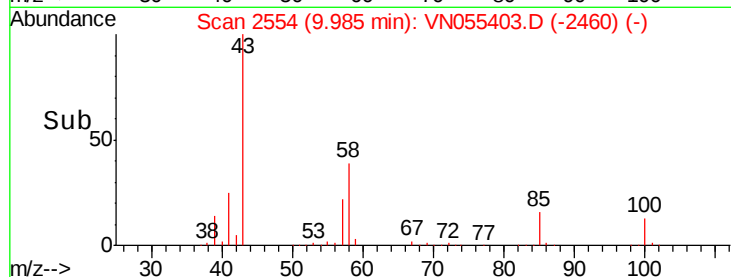
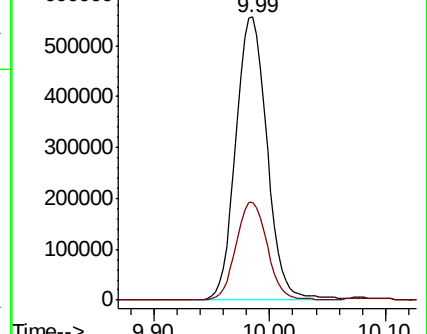
43 100

58 34.7 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 47.546 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055403.D

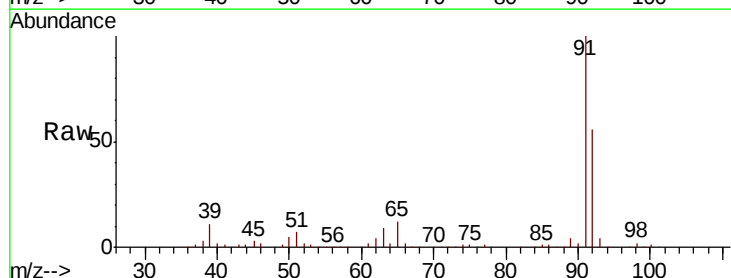
Acq: 3 May 2019 20:48

Tgt Ion: 92 Resp: 497119

Ion Ratio Lower Upper

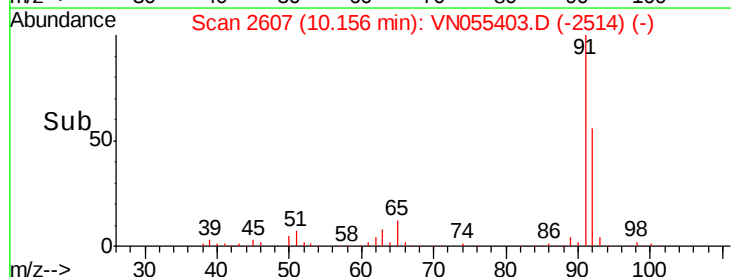
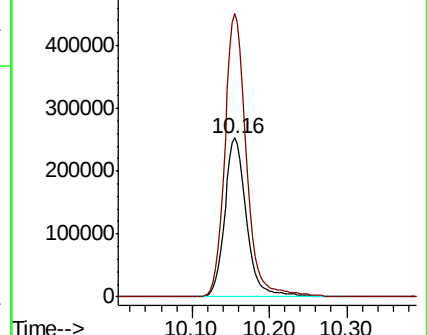
92 100

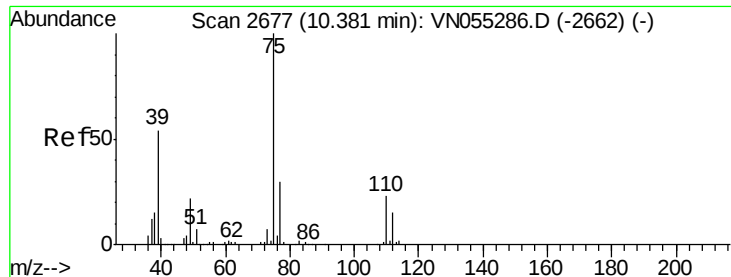
91 176.7 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 50.782 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

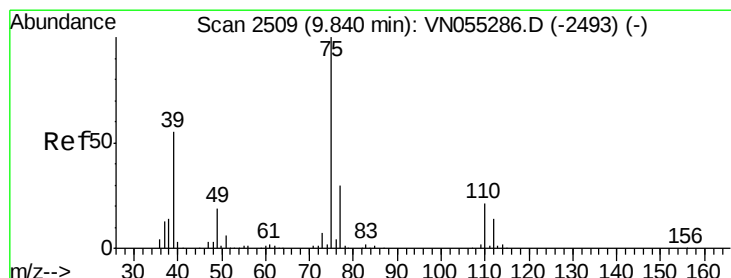
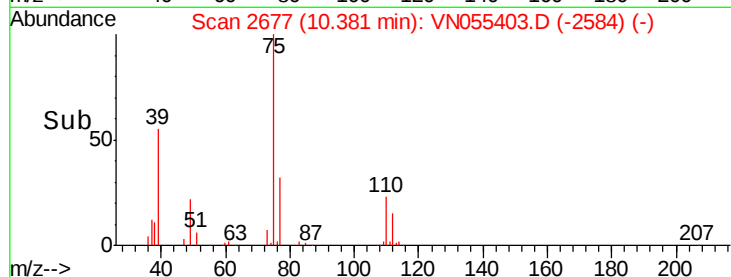
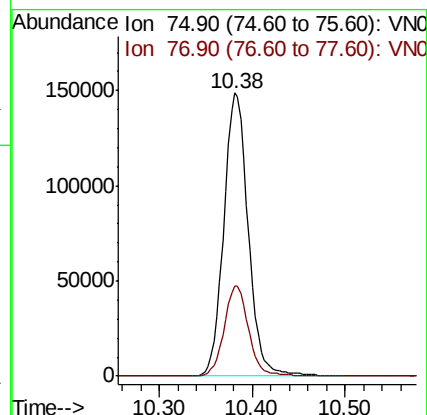
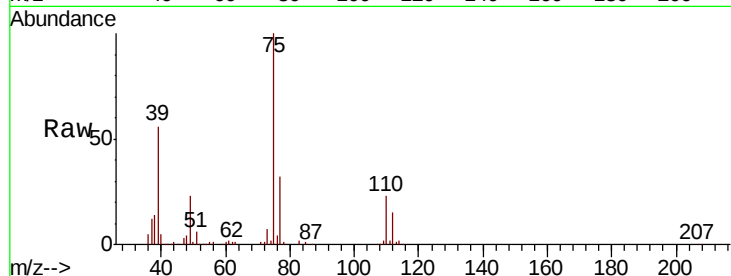
VSTDCCC050EC

Tot Ion: 75 Resp: 271690

Ion Ratio Lower Upper

75 100

77 31.8 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 50.817 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

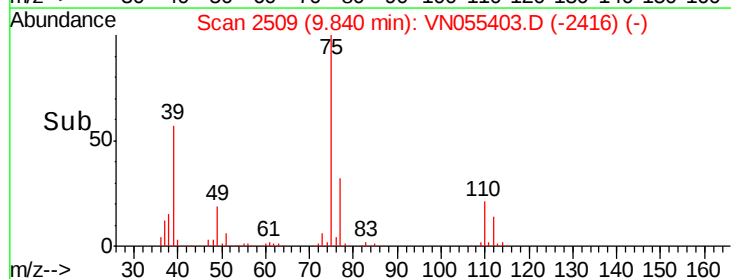
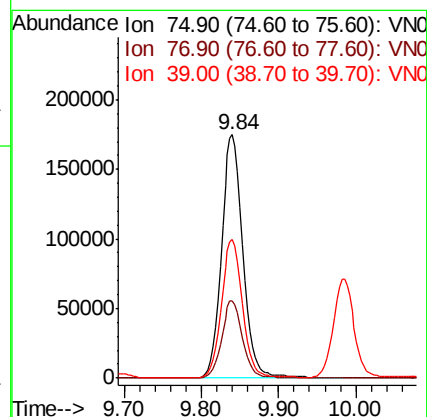
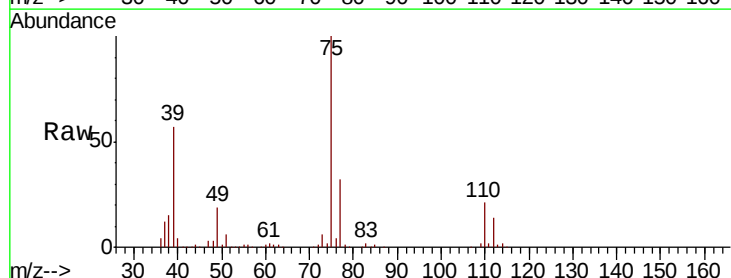
Tgt Ion: 75 Resp: 338974

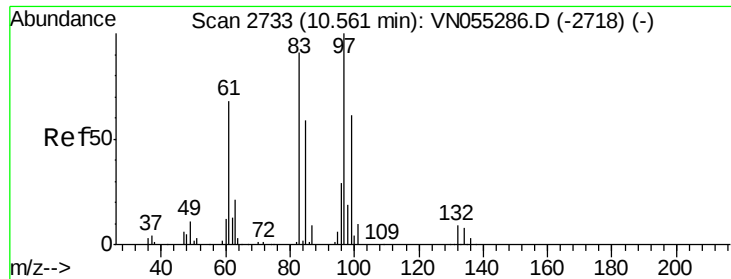
Ion Ratio Lower Upper

75 100

77 31.9 24.2 36.2

39 56.7 44.2 66.2





#55

1,1,2-Trichloroethane

Concen: 48.450 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 188109

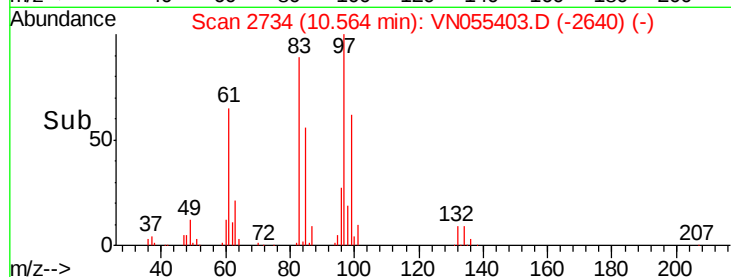
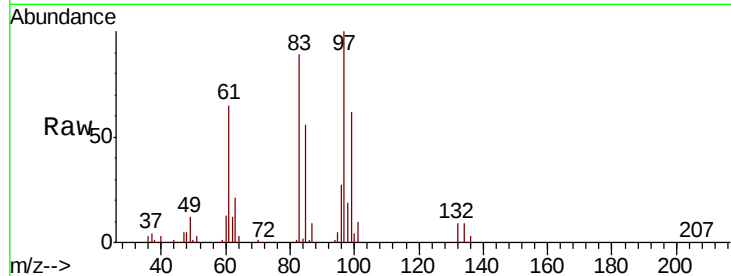
Ion	Ratio	Lower	Upper
97	100		
83	88.7	72.8	109.2
85	56.4	47.0	70.6
99	62.1	49.0	73.4

97 100

83 88.7 72.8 109.2

85 56.4 47.0 70.6

99 62.1 49.0 73.4



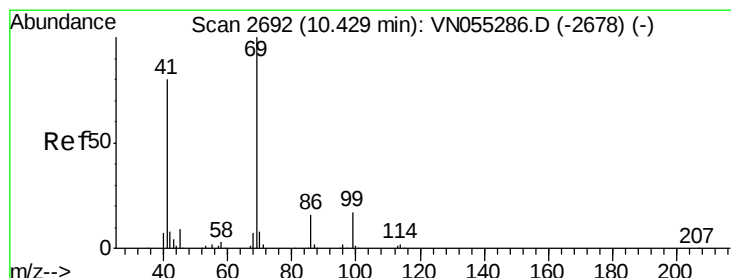
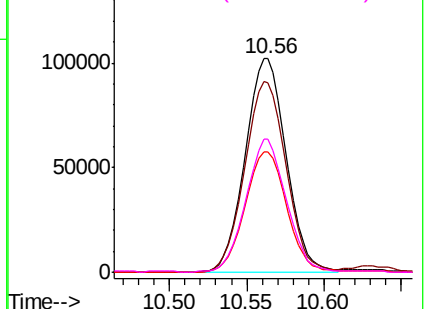
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 51.852 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

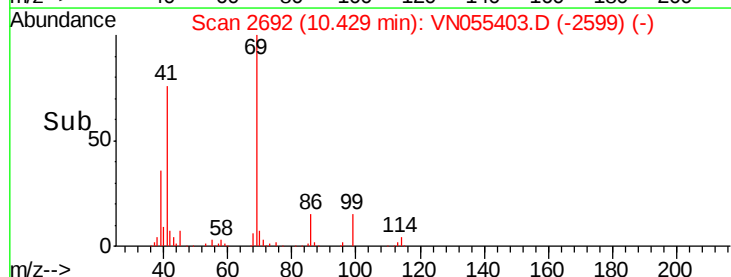
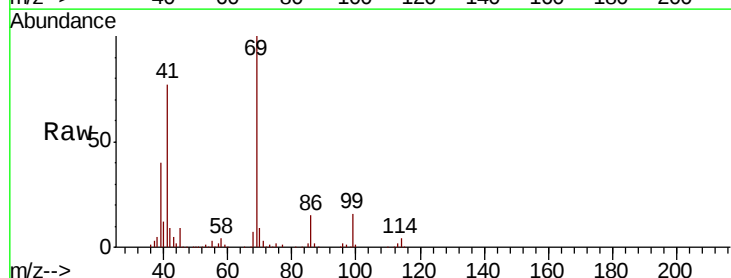
Tgt Ion: 69 Resp: 247791

Ion	Ratio	Lower	Upper
69	100		
41	76.7	62.7	94.1
39	40.3	32.0	48.0

69 100

41 76.7 62.7 94.1

39 40.3 32.0 48.0

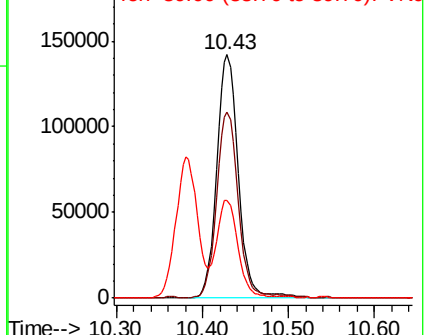


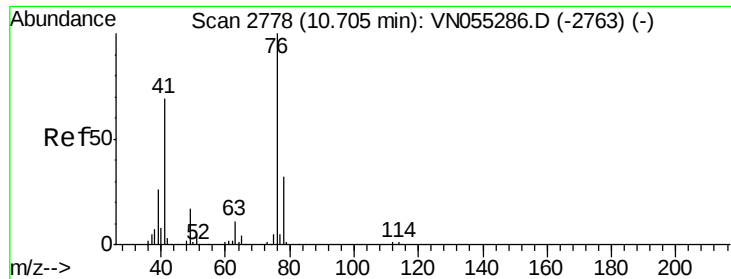
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 48.805 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

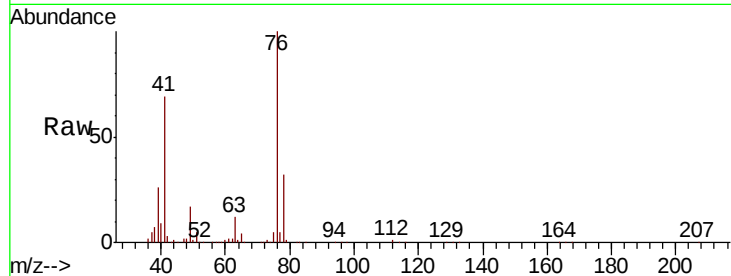
VSTDCCC050EC

Tot Ion: 76 Resp: 332414

Ion Ratio Lower Upper

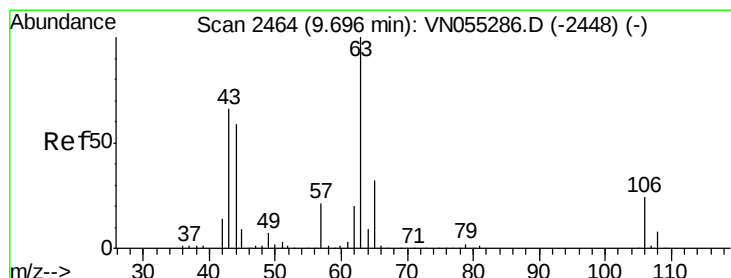
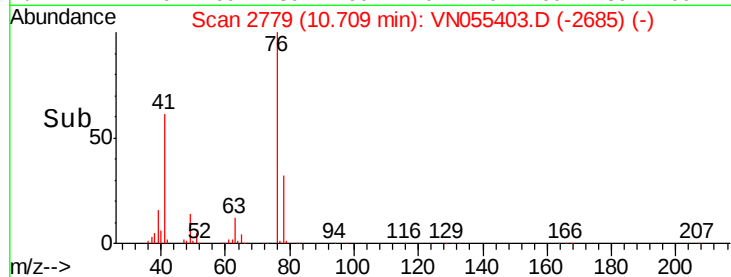
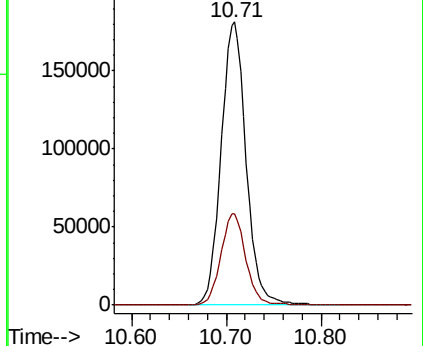
76 100

78 32.3 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 185.052 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055403.D

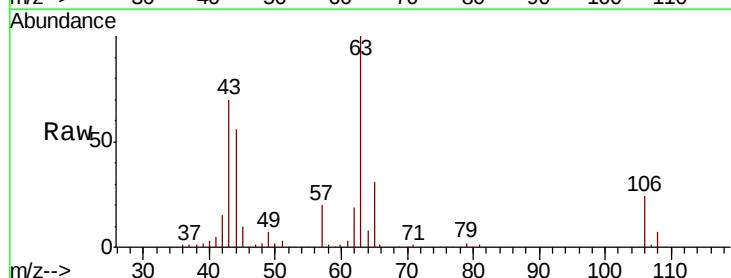
Acq: 3 May 2019 20:48

Tgt Ion: 63 Resp: 269422

Ion Ratio Lower Upper

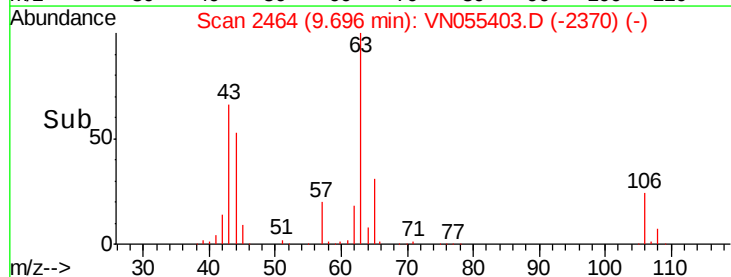
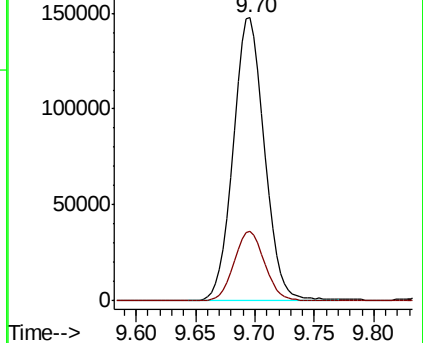
63 100

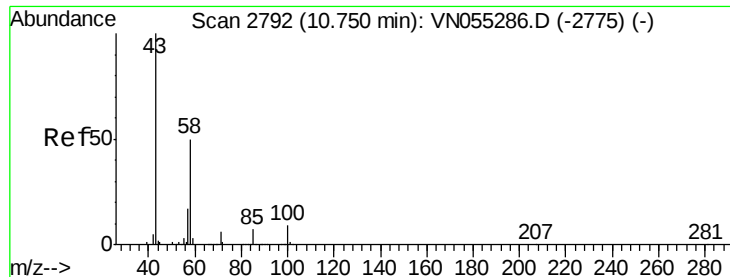
106 24.0 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

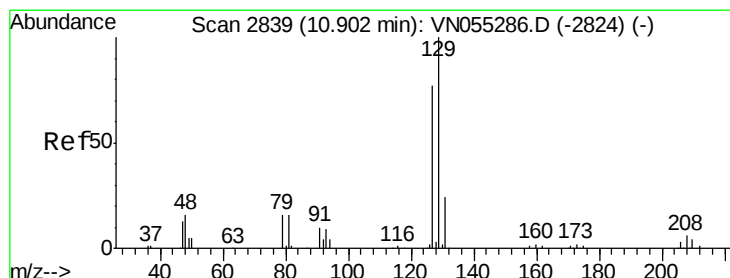
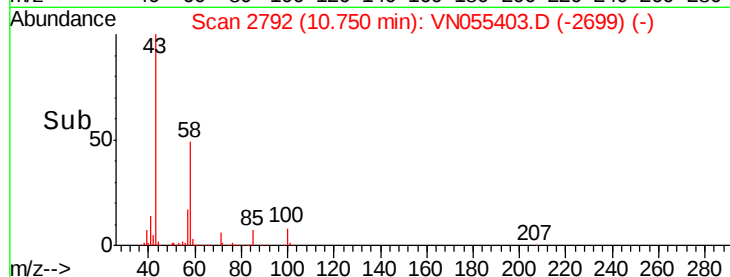
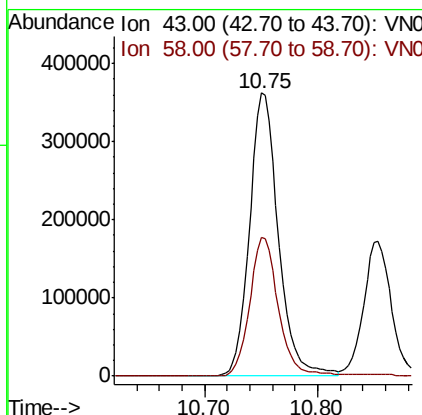
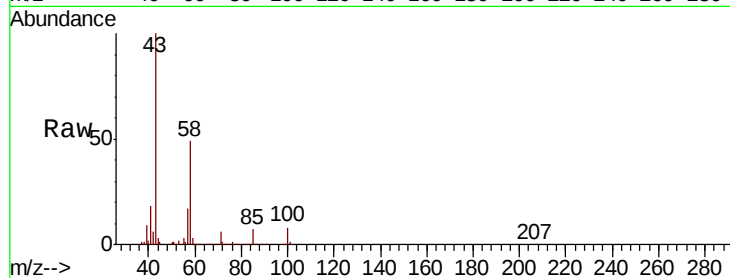




#59
2-Hexanone
Concen: 238.180 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

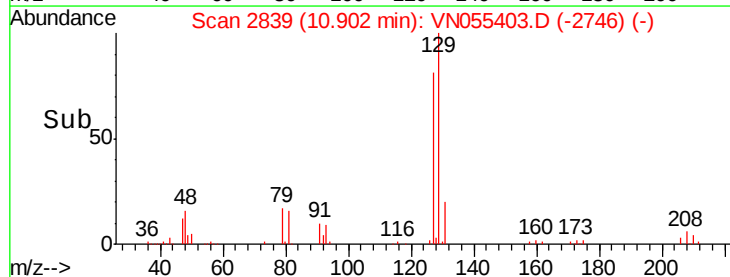
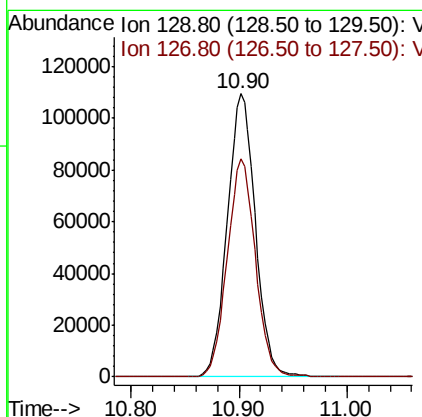
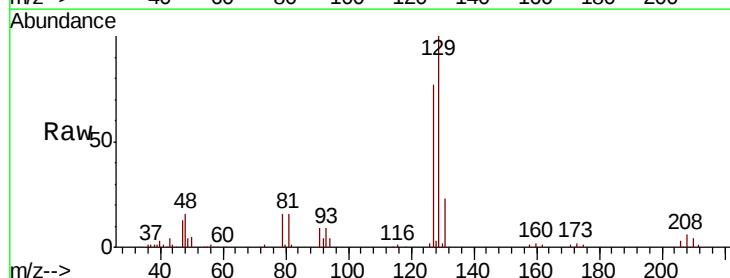
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

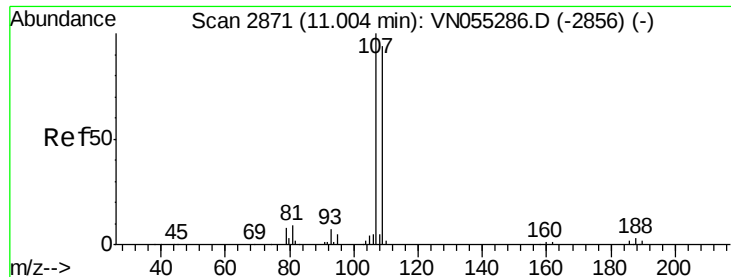
Tot Ion: 43 Resp: 638804
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6



#60
Dibromochloromethane
Concen: 50.117 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 129 Resp: 198870
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.5

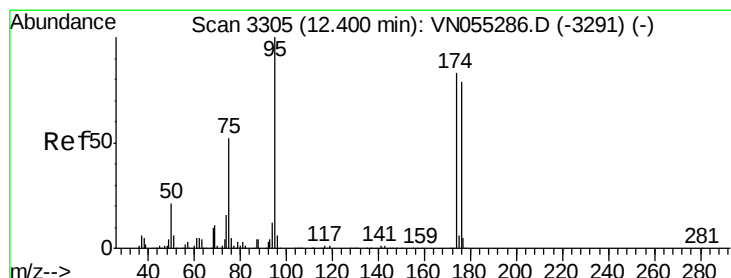
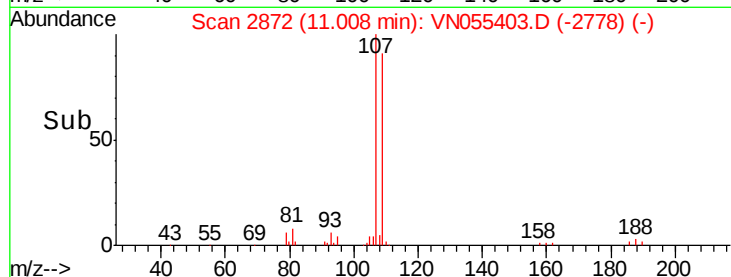
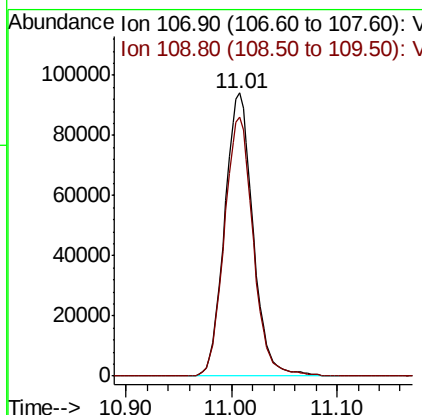
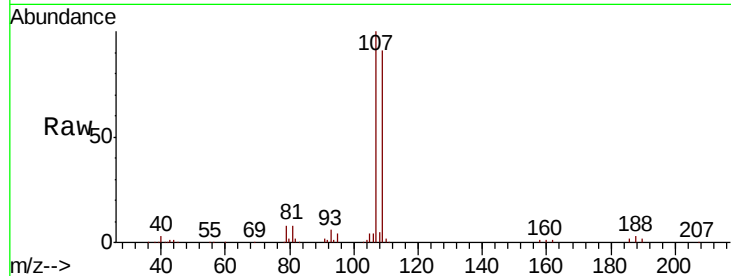




#61
 1,2-Dibromoethane
 Concen: 48.792 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

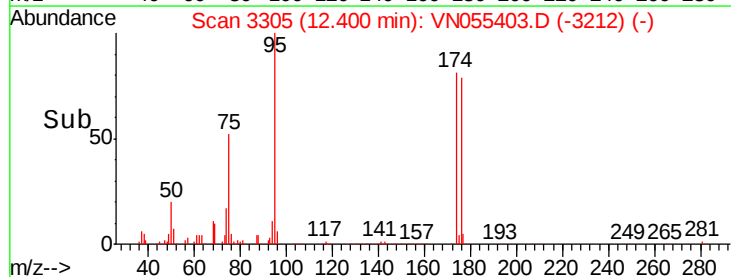
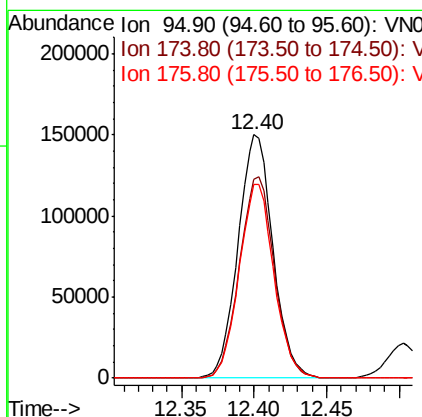
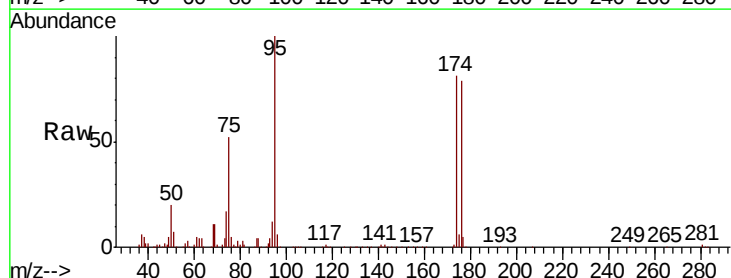
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

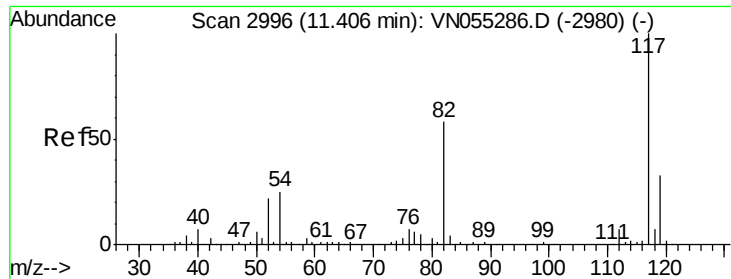
Tot Ion:107 Resp: 175095
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.550 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion: 95 Resp: 251206
 Ion Ratio Lower Upper
 95 100
 174 83.2 0.0 166.6
 176 79.4 0.0 157.8

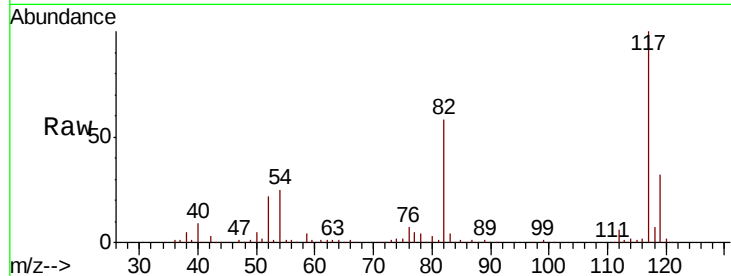




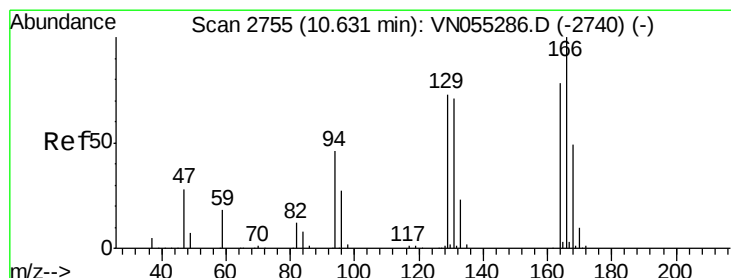
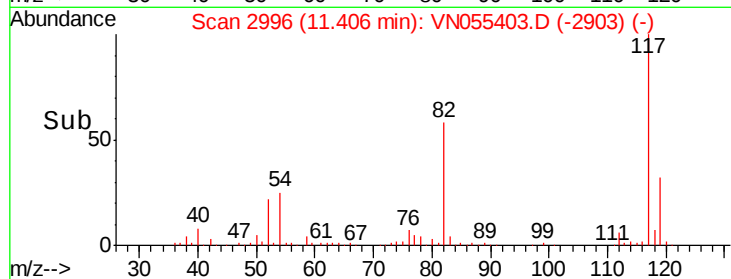
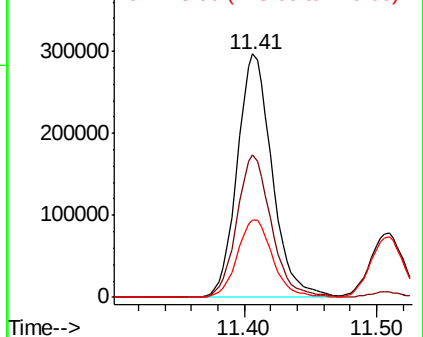
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 542179
Ion Ratio Lower Upper
117 100
82 58.4 46.2 69.4
119 31.8 26.6 40.0

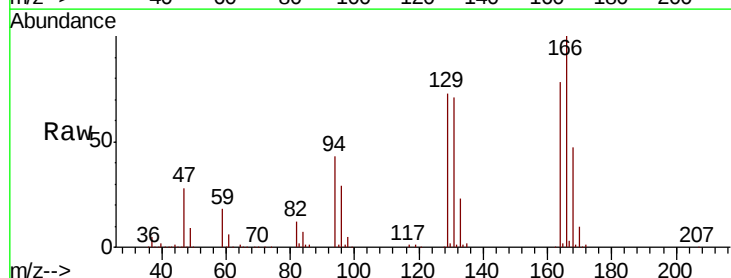


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

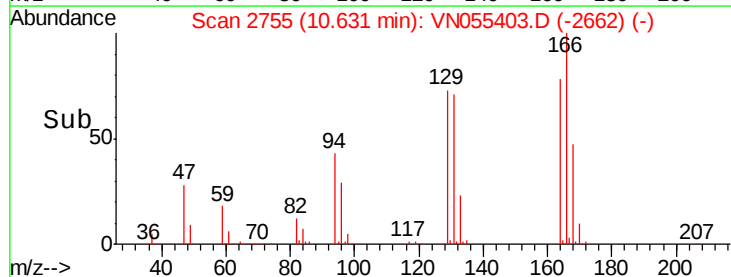
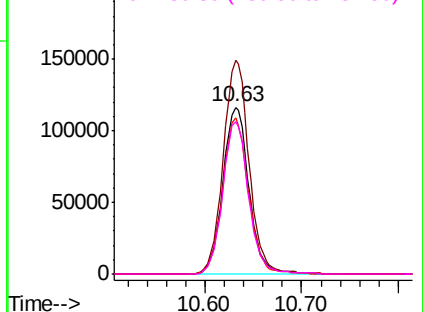


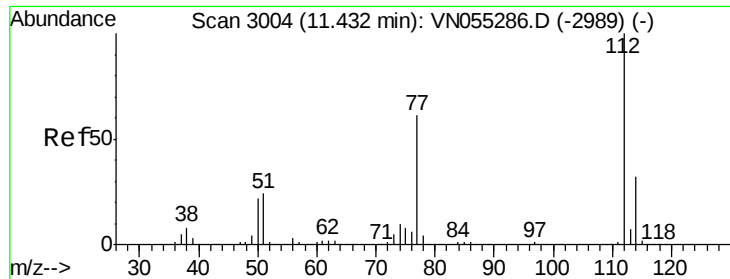
#64
Tetrachloroethene
Concen: 49.079 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion:164 Resp: 217606
Ion Ratio Lower Upper
164 100
166 128.2 102.3 153.5
129 93.6 75.0 112.6
131 91.6 72.7 109.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

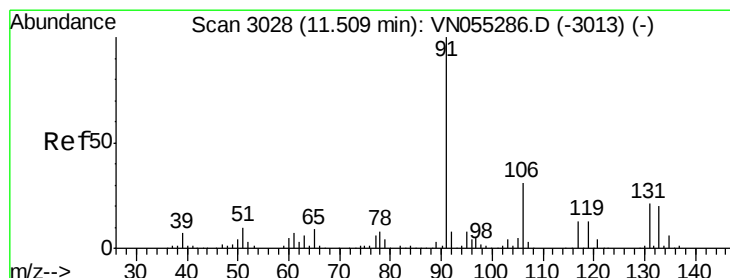
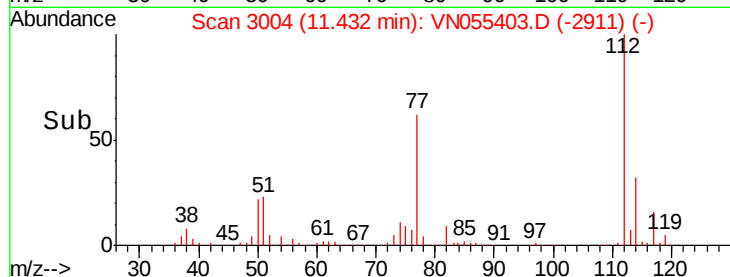
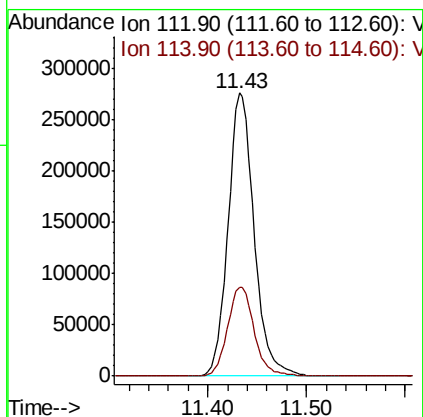
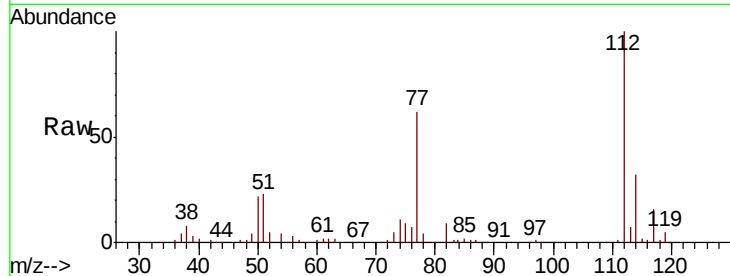




#65
Chlorobenzene
Concen: 48.126 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

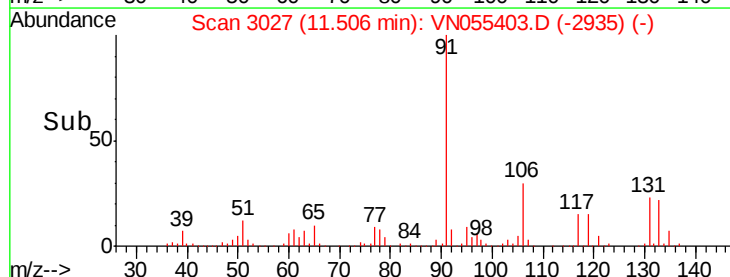
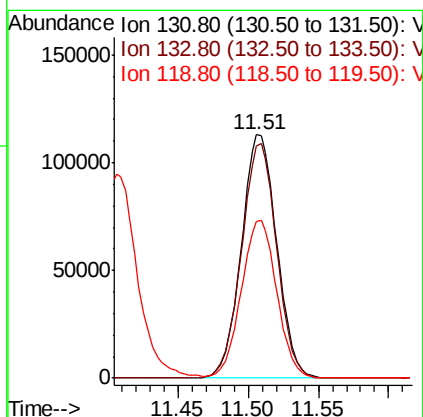
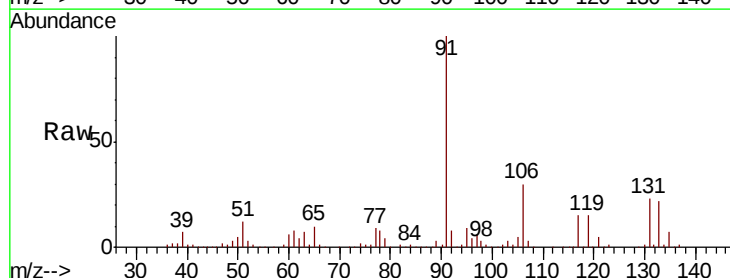
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

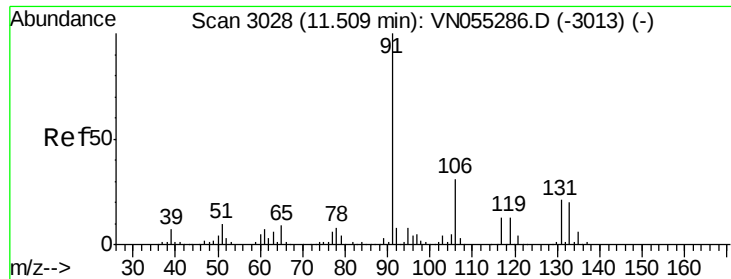
Tot Ion:112 Resp: 510153
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 47.858 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion:131 Resp: 198647
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.6
119 64.9 32.7 98.1

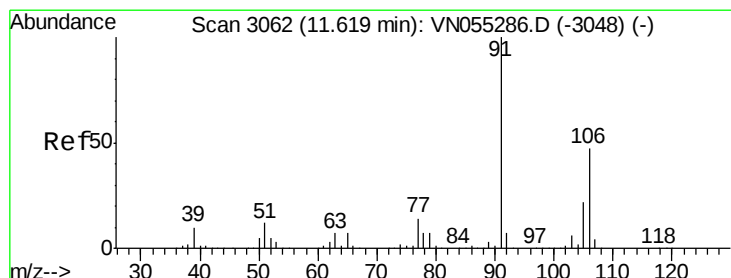
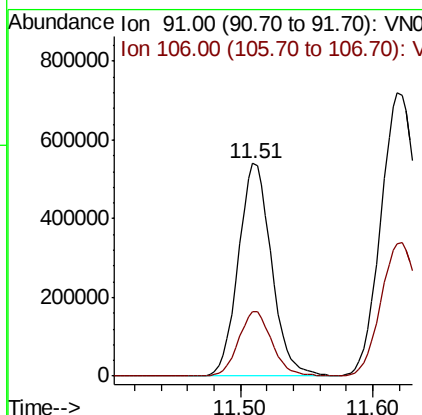
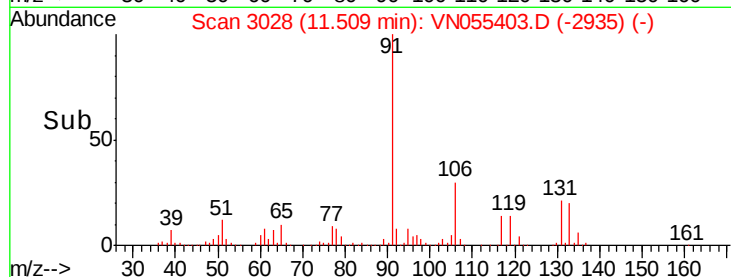
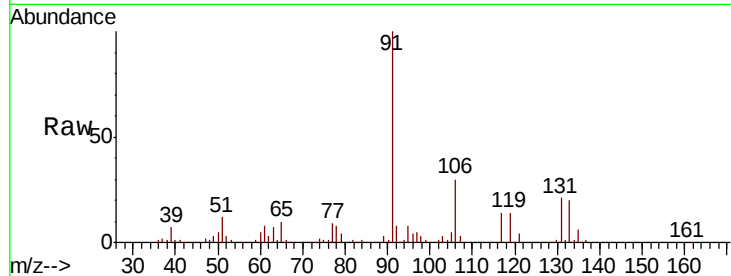




#67
Ethyl Benzene
Concen: 49.055 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

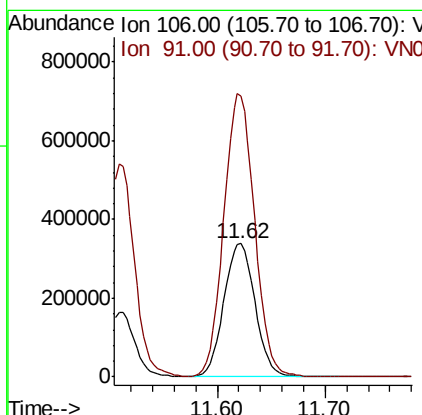
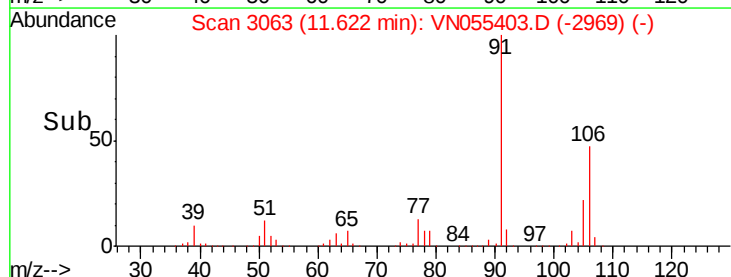
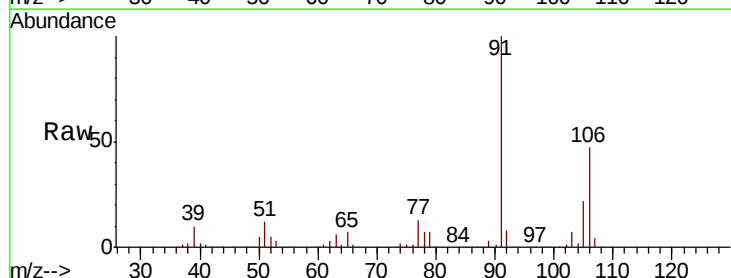
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

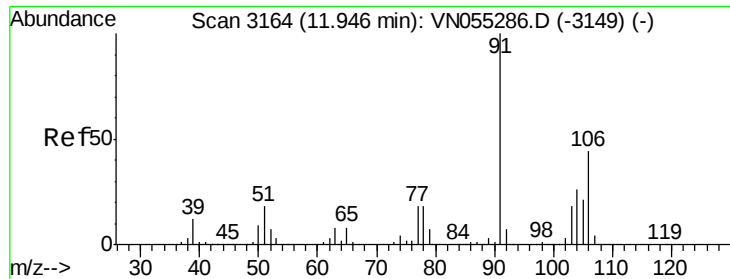
Tot Ion: 91 Resp: 939019
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8



#68
m/p-Xylenes
Concen: 99.699 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 106 Resp: 681206
Ion Ratio Lower Upper
106 100
91 209.4 169.5 254.3

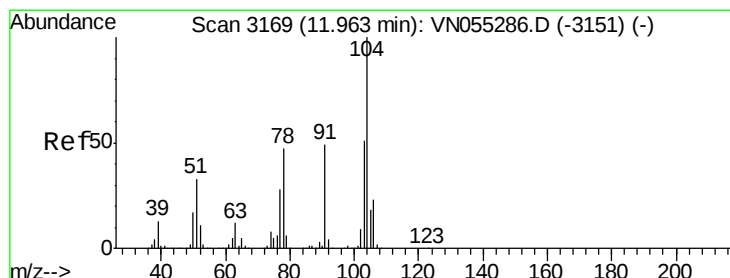
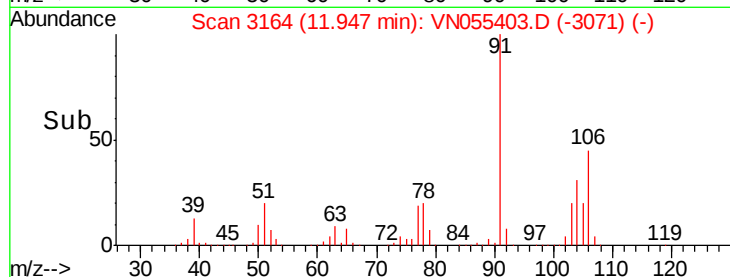
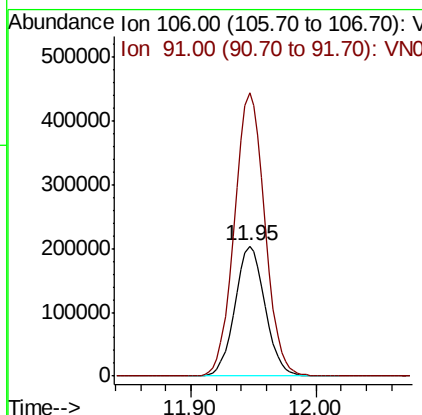
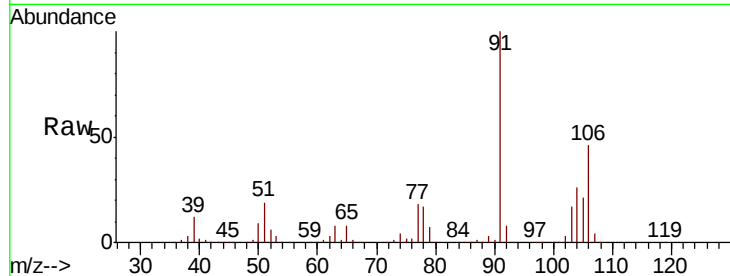




#69
o-Xylene
Concen: 50.090 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

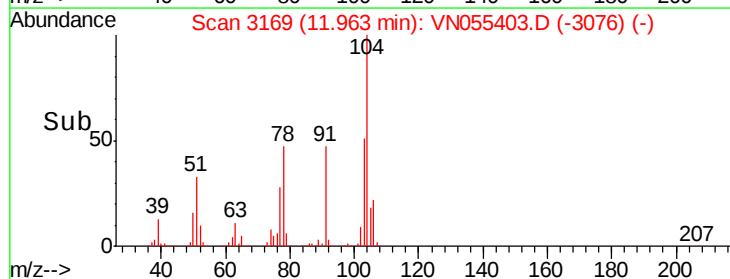
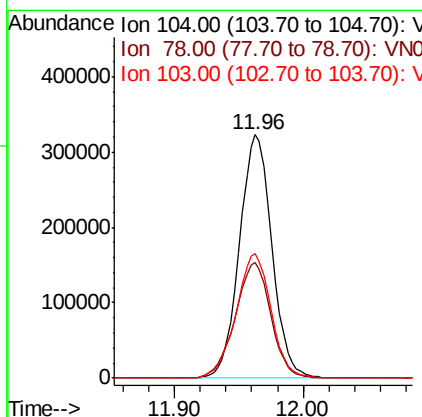
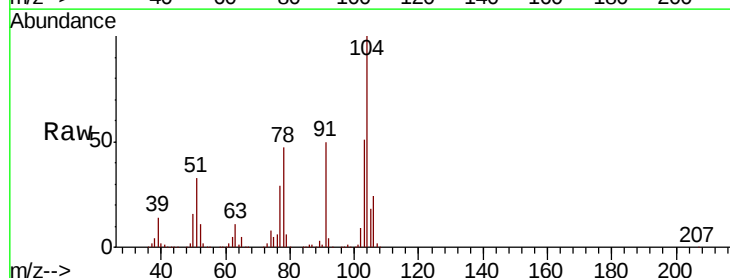
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

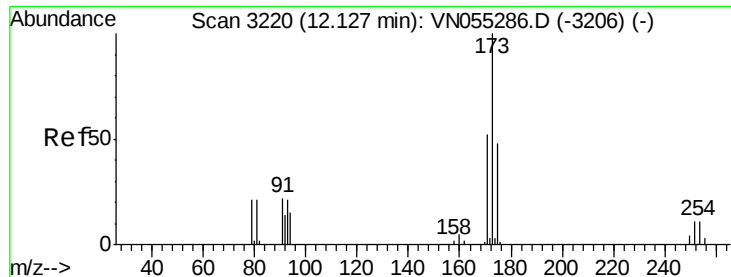
Tot Ion:106 Resp: 339223
Ion Ratio Lower Upper
106 100
91 220.1 111.5 334.5



#70
Styrene
Concen: 54.421 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion:104 Resp: 565883
Ion Ratio Lower Upper
104 100
78 52.0 42.2 63.2
103 55.0 44.6 67.0

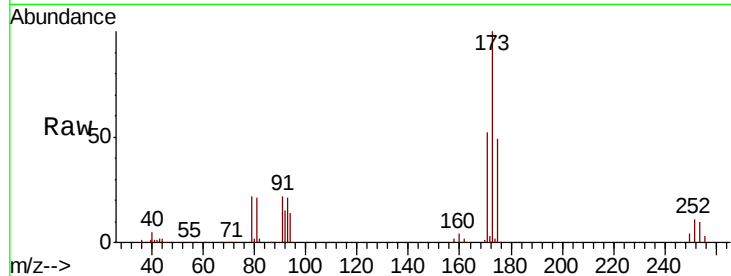




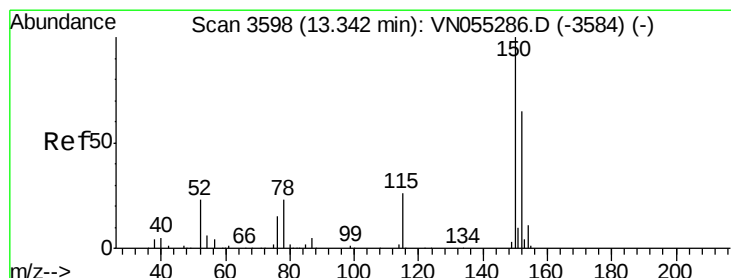
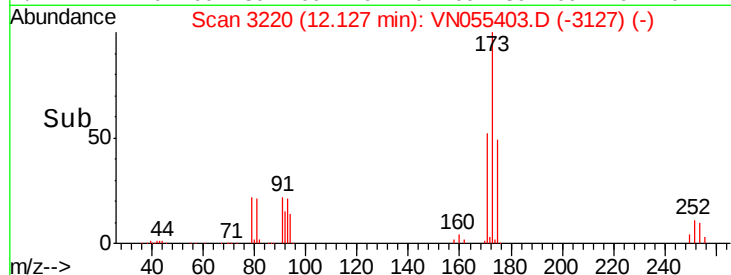
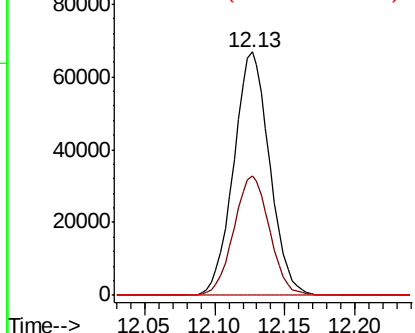
#71
Bromoform
Concen: 51.795 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 119295
Ion Ratio Lower Upper
173 100
175 48.8 23.6 71.0
254 0.0 0.0 0.0

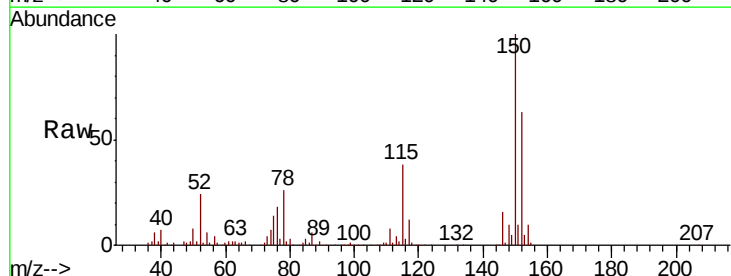


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

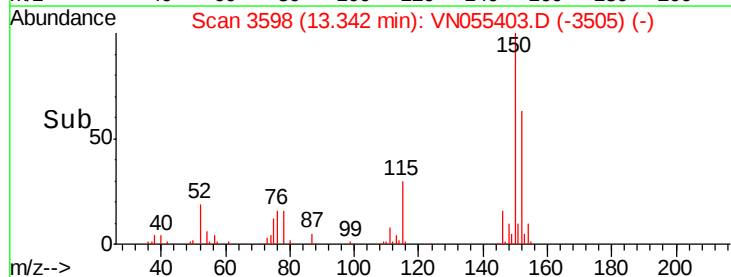
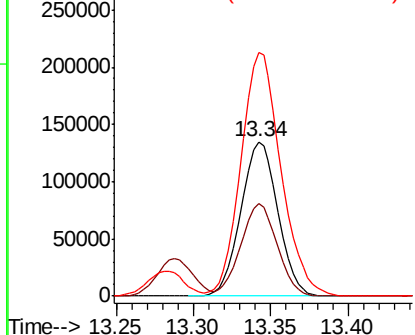


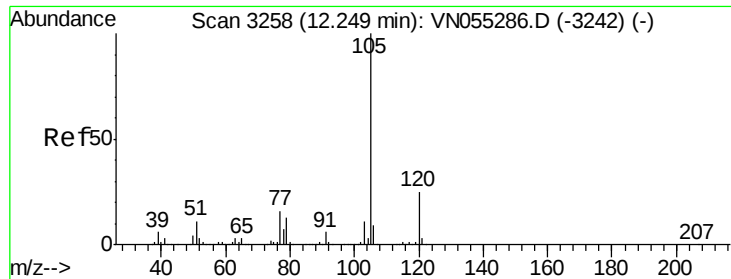
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion:152 Resp: 224657
Ion Ratio Lower Upper
152 100
115 58.8 29.0 87.0
150 171.0 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.386 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

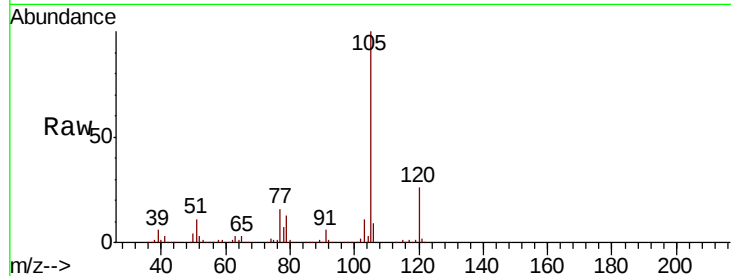
VSTDCCC050EC

Tot Ion:105 Resp: 900257

Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

500000

400000

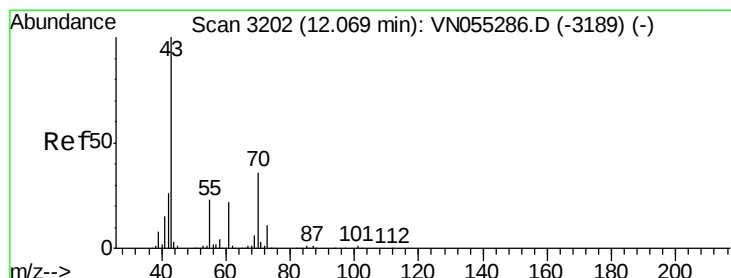
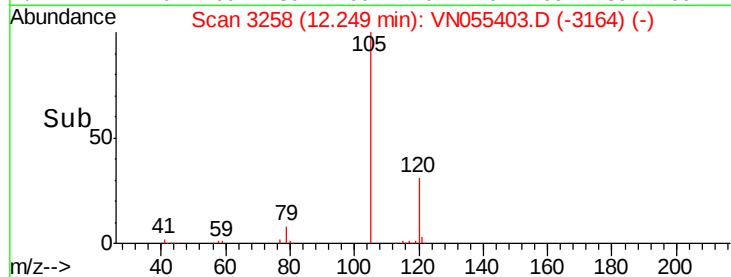
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 48.363 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Tgt Ion: 43 Resp: 278842

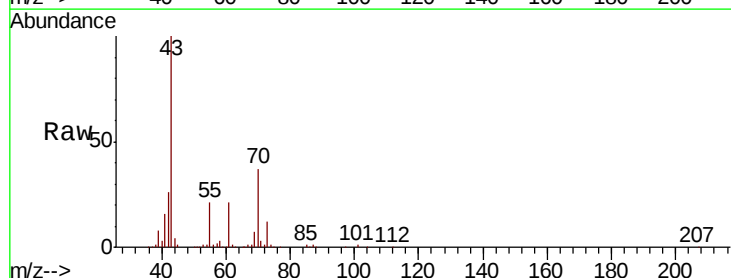
Ion Ratio Lower Upper

43 100

70 35.6 27.9 41.9

55 21.8 18.2 27.2

61 21.1 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

250000

200000

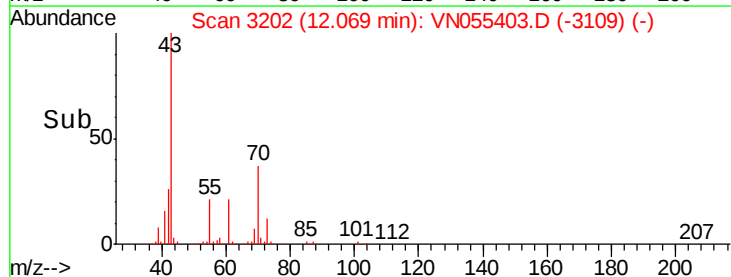
150000

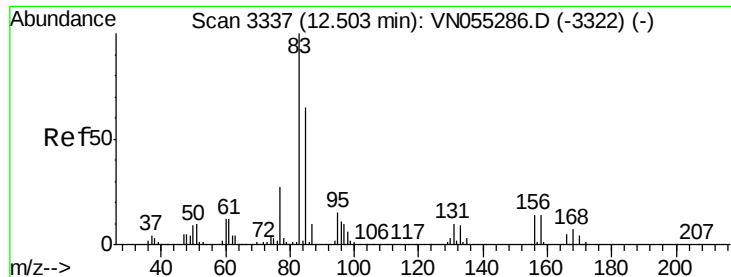
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 47.941 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

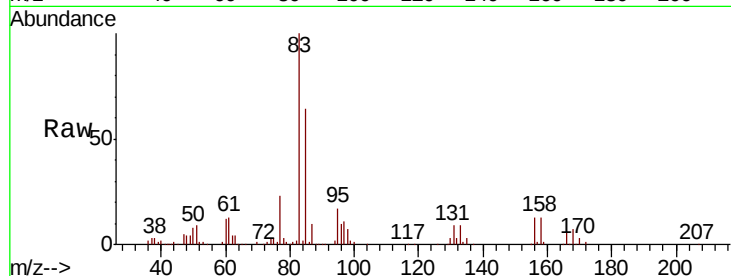
Tot Ion: 83 Resp: 213979

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.2

85 63.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN055286.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055286.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055286.D (-3322) (-)

12.50

150000

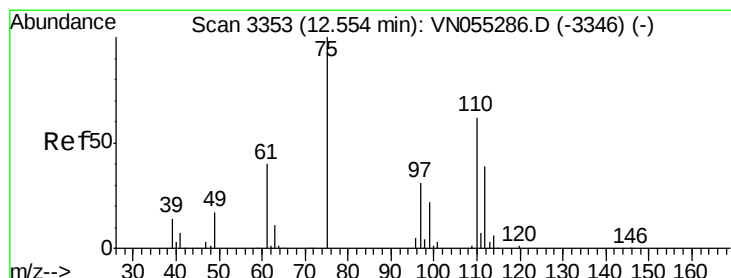
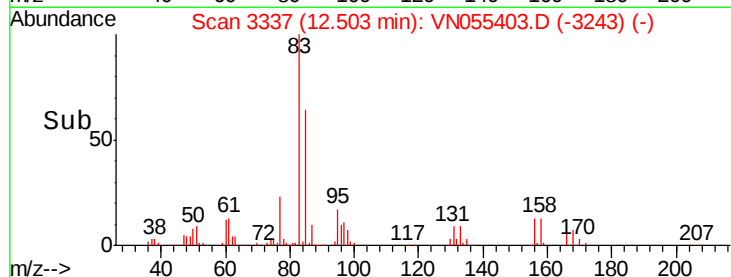
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 63.225 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055403.D

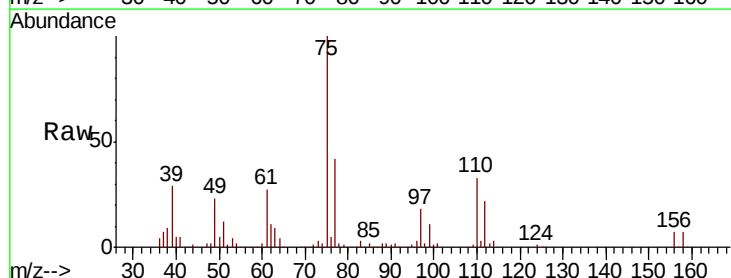
Acq: 3 May 2019 20:48

Tgt Ion: 75 Resp: 261236

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN055286.D (-3346) (-)

250000

200000

150000

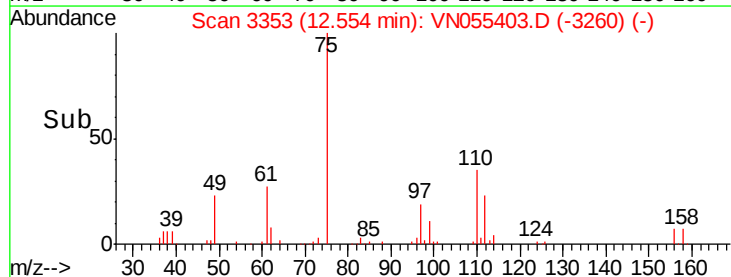
100000

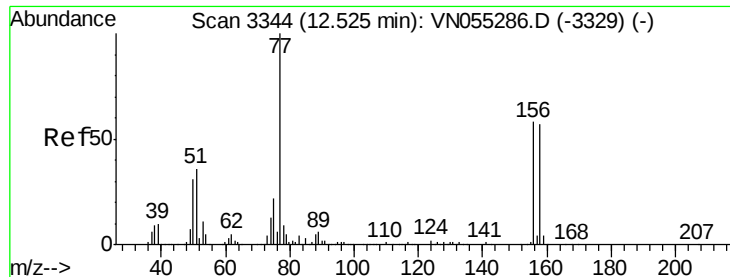
50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 50.468 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

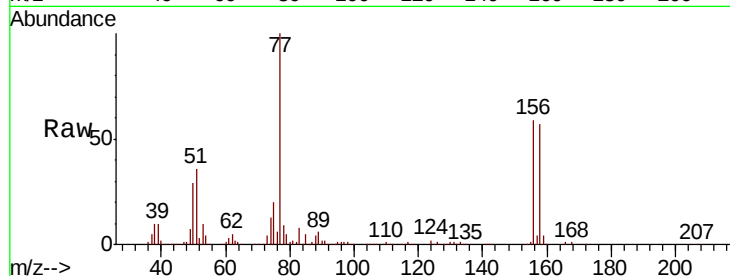
Tot Ion:156 Resp: 216198

Ion Ratio Lower Upper

156 100

77 197.0 99.6 298.8

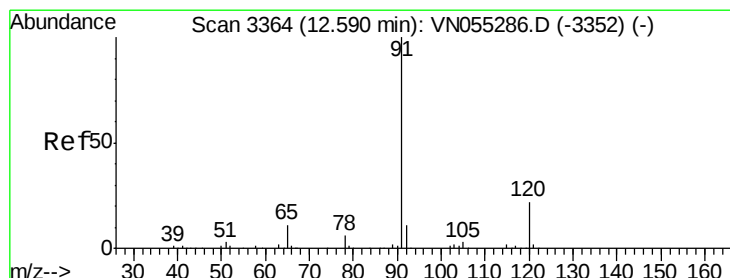
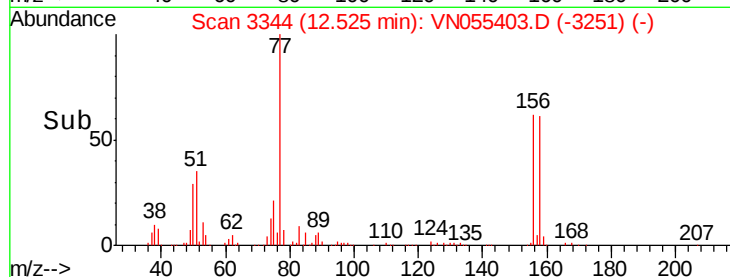
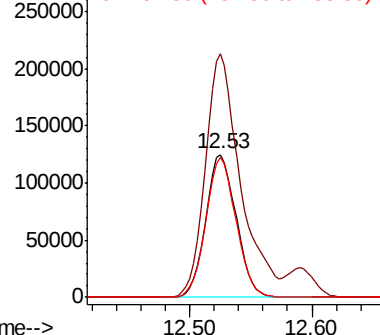
158 97.2 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.180 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055403.D

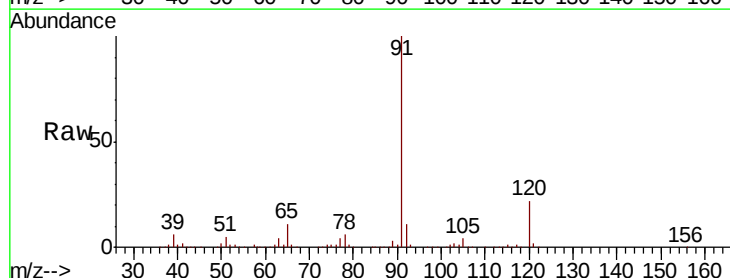
Acq: 3 May 2019 20:48

Tgt Ion: 91 Resp: 996456

Ion Ratio Lower Upper

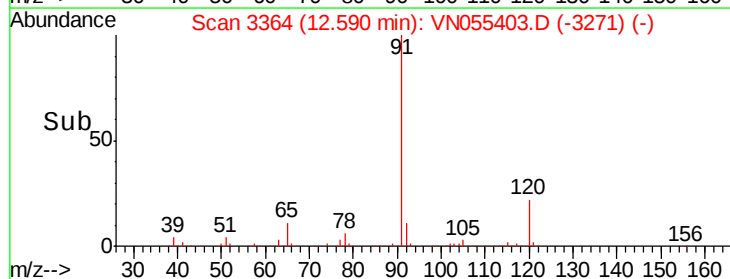
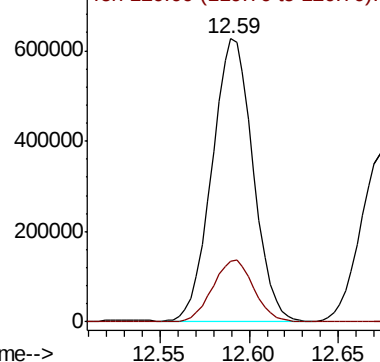
91 100

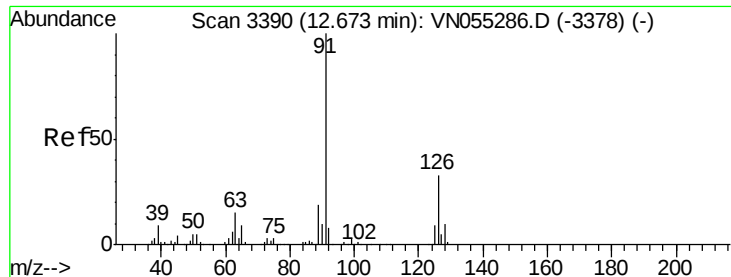
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

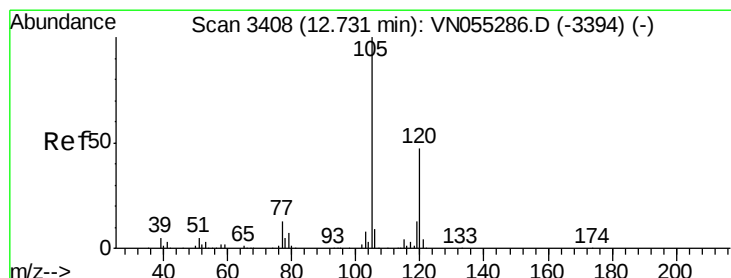
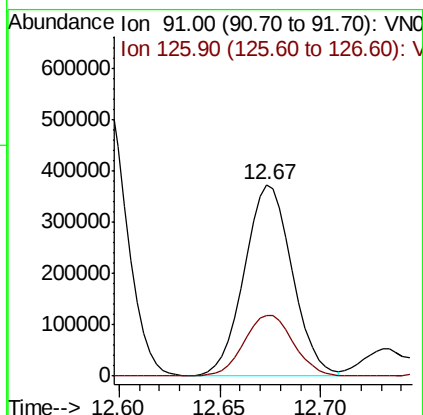
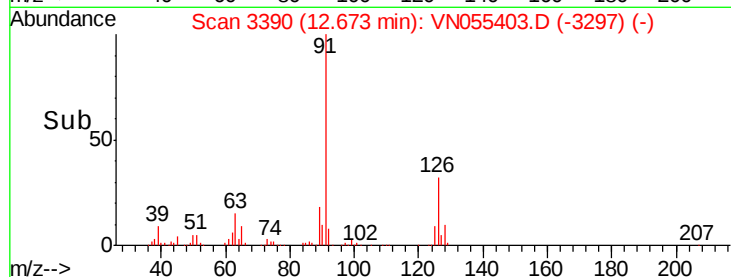
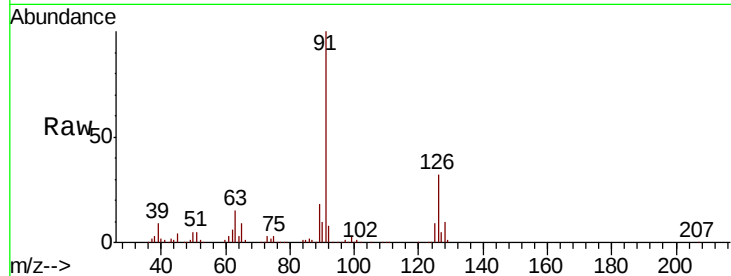




#79
 2-Chlorotoluene
 Concen: 50.676 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

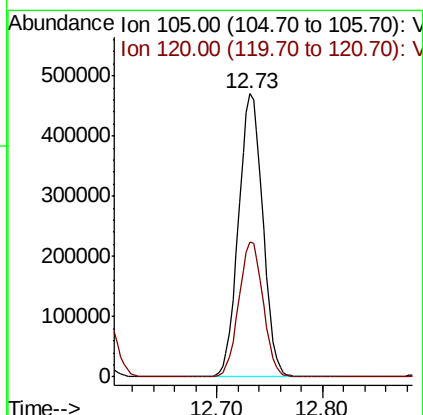
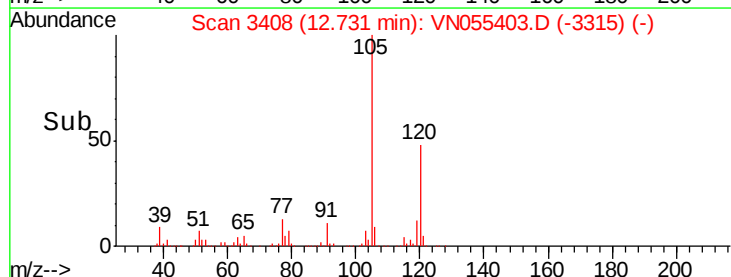
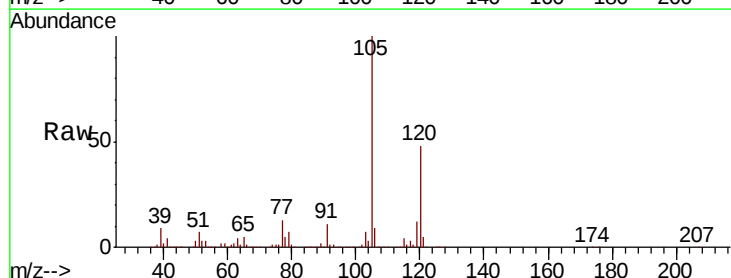
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

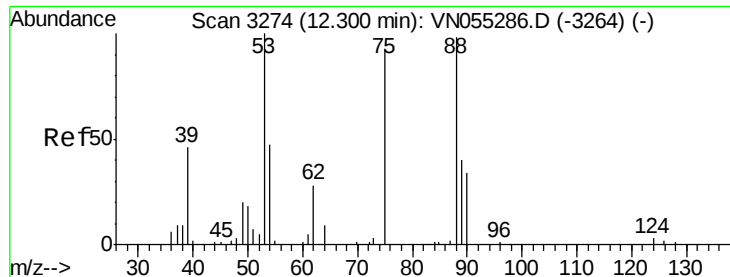
Tot Ion: 91 Resp: 616568
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 42.619 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion: 105 Resp: 750630
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 43.489 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

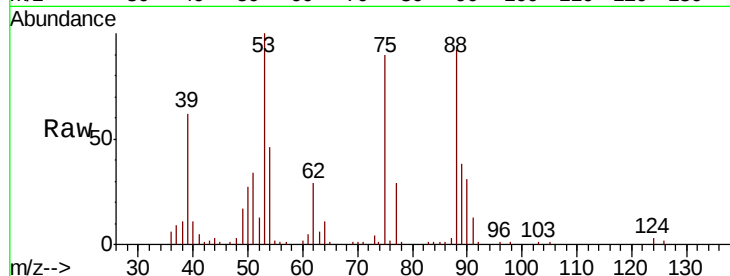
Tot Ion: 75 Resp: 51556

Ion Ratio Lower Upper

75 100

53 112.0 86.3 129.5

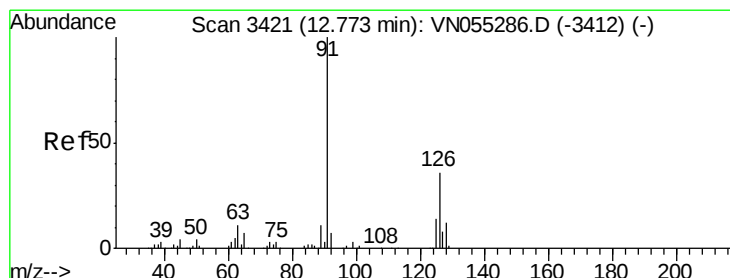
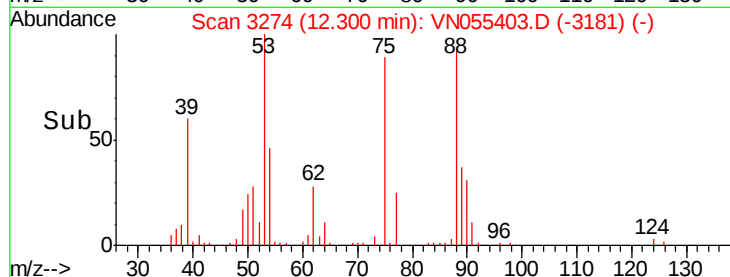
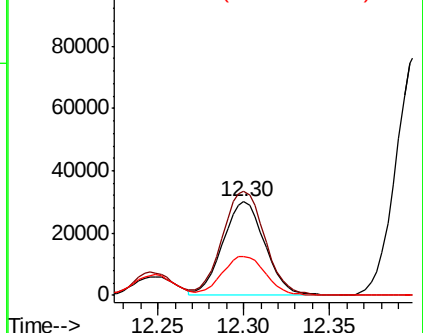
89 43.3 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 44.322 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055403.D

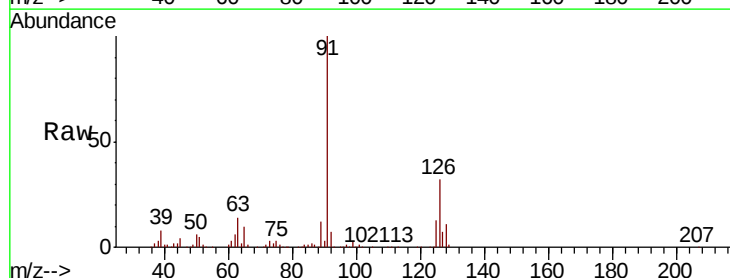
Acq: 3 May 2019 20:48

Tgt Ion: 91 Resp: 594700

Ion Ratio Lower Upper

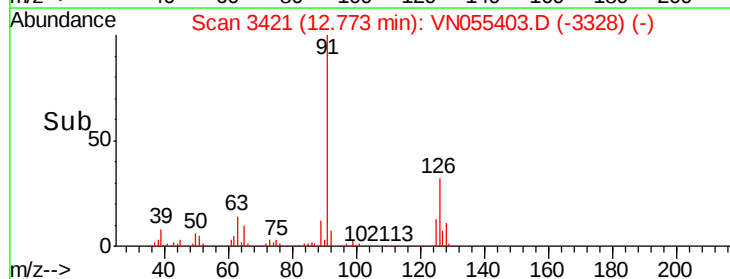
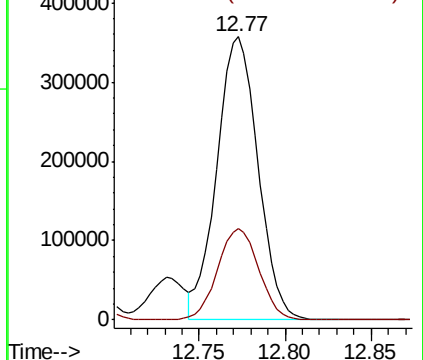
91 100

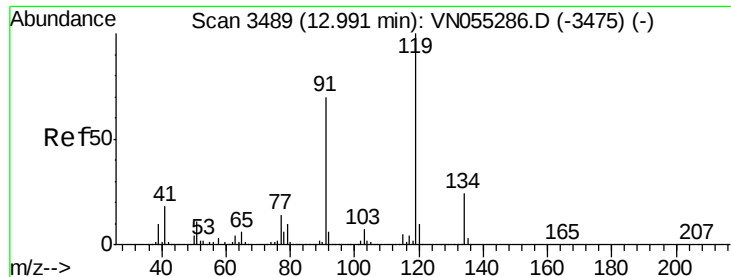
126 32.4 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

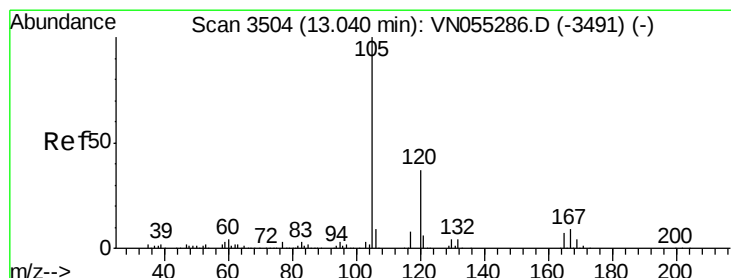
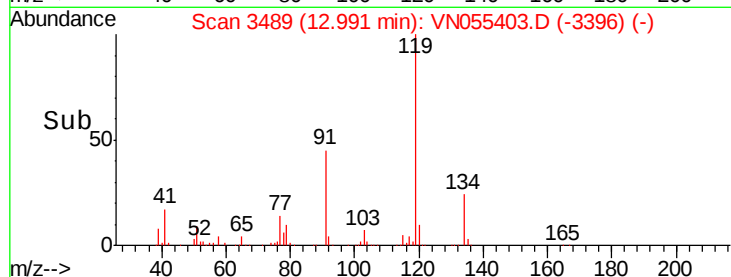
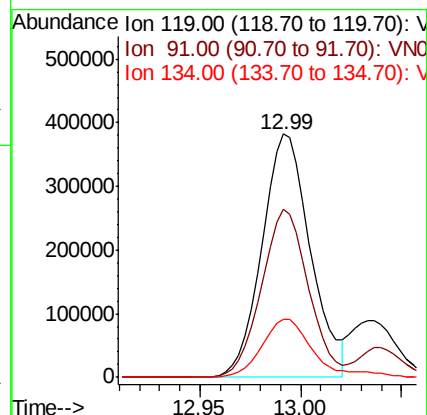
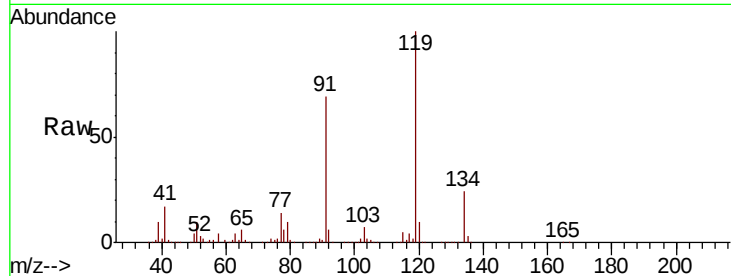




#83
tert-Butylbenzene
Concen: 51.446 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

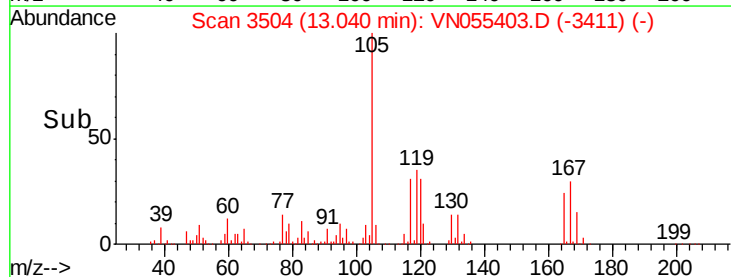
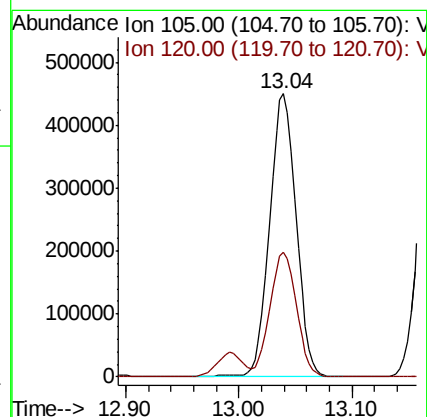
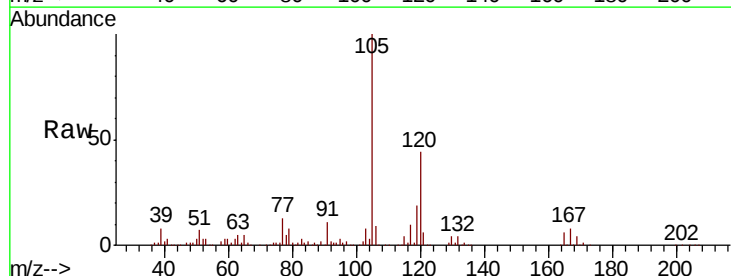
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

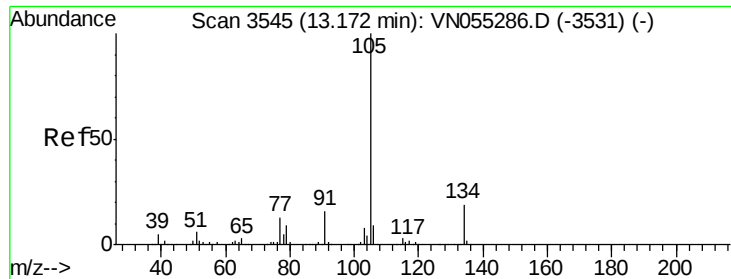
Tot Ion:119 Resp: 640289
Ion Ratio Lower Upper
119 100
91 66.5 34.3 102.9
134 25.3 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 46.415 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion:105 Resp: 731104
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.5

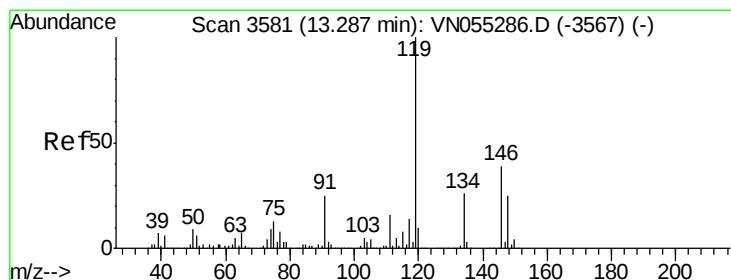
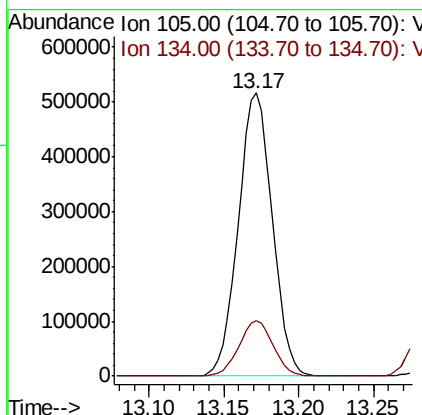
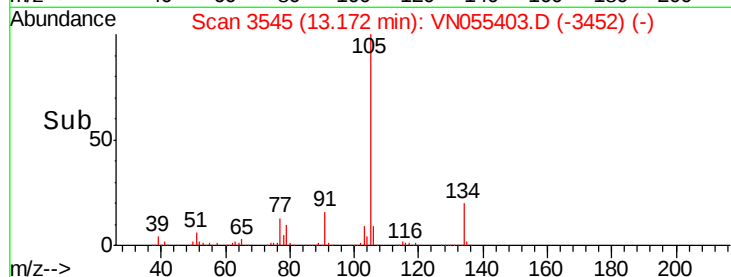
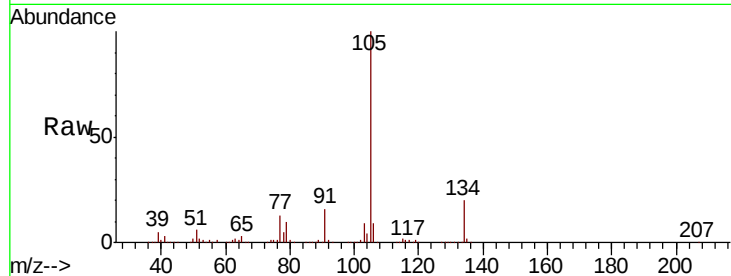




#85
 sec-Butylbenzene
 Concen: 42.581 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

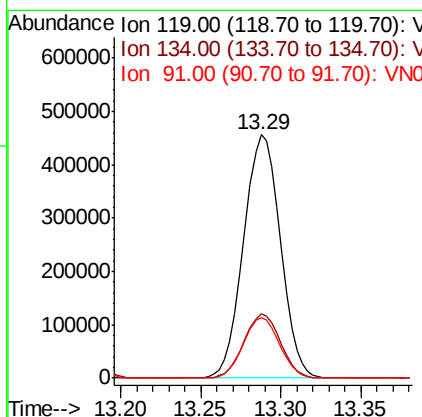
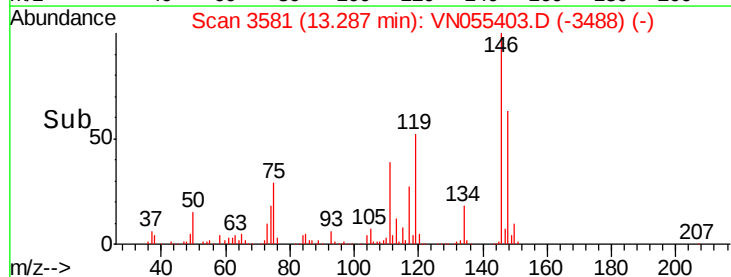
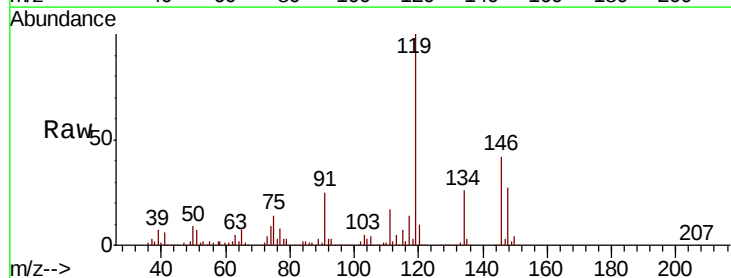
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

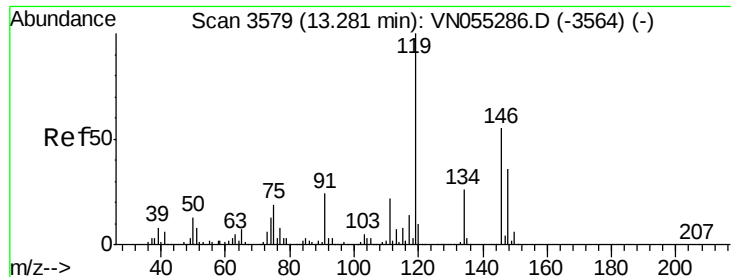
Tot Ion:105 Resp: 815121
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 45.371 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion:119 Resp: 713867
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.0 38.9
 91 24.4 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 46.692 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

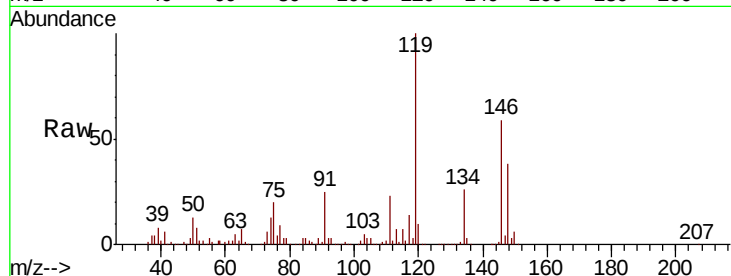
Tot Ion:146 Resp: 351010

Ion Ratio Lower Upper

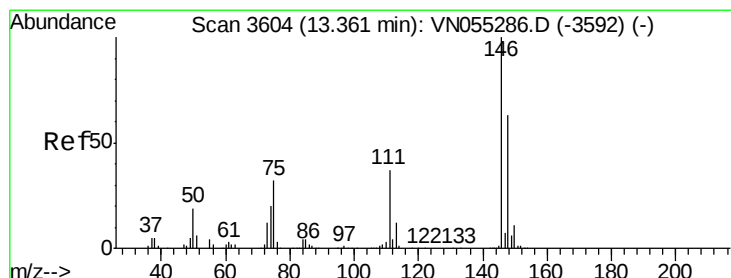
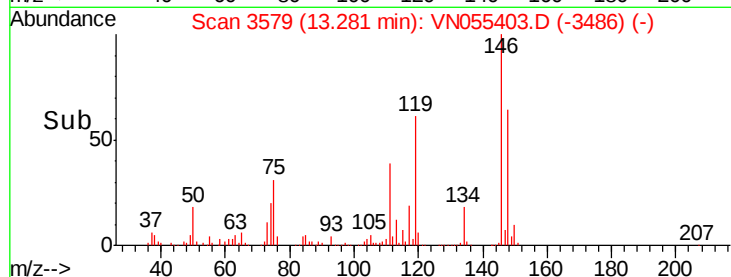
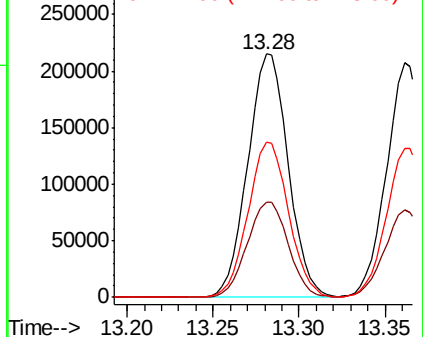
146 100

111 39.8 20.3 60.8

148 64.0 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.602 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

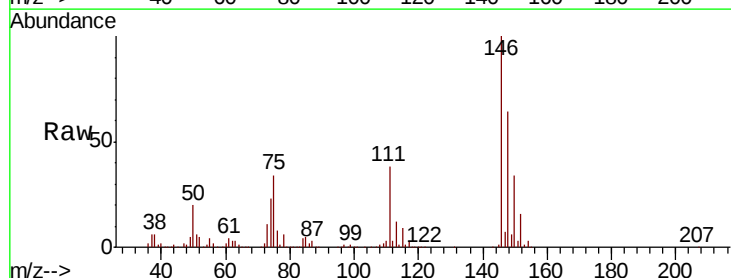
Tgt Ion:146 Resp: 336998

Ion Ratio Lower Upper

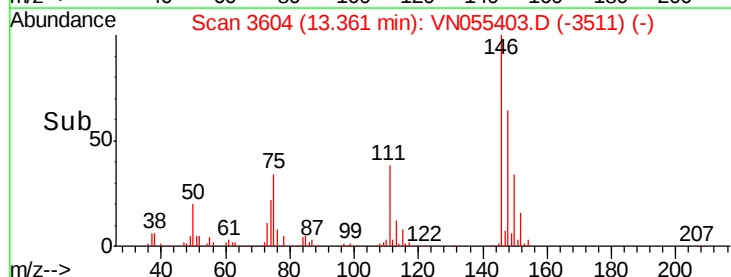
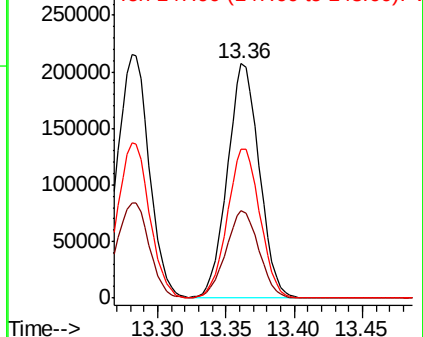
146 100

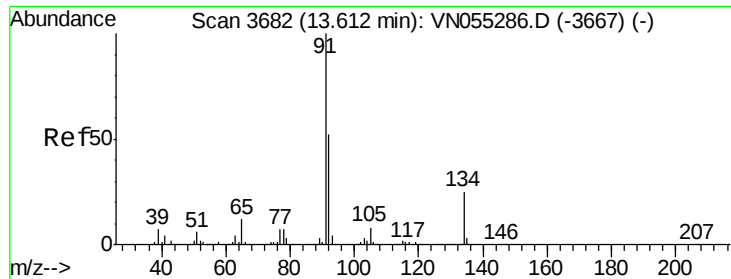
111 38.7 19.5 58.5

148 65.2 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

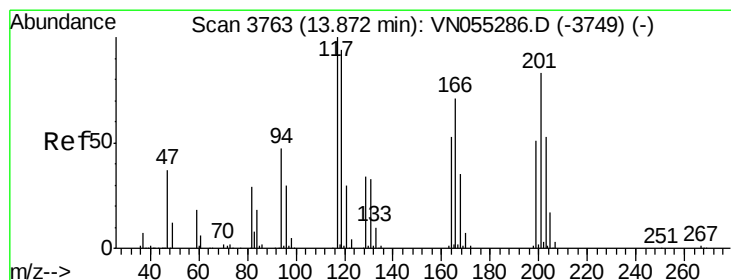
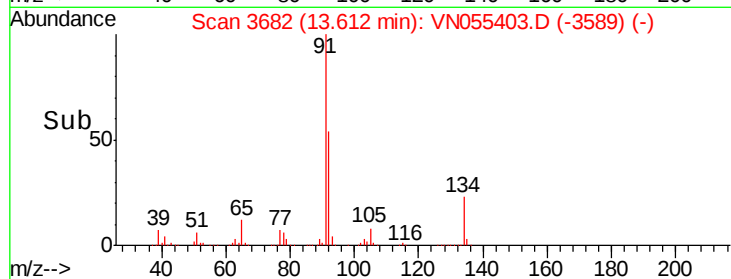
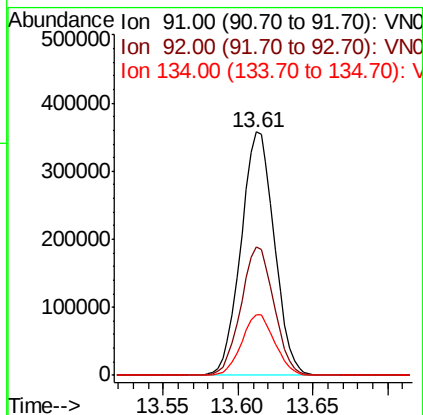
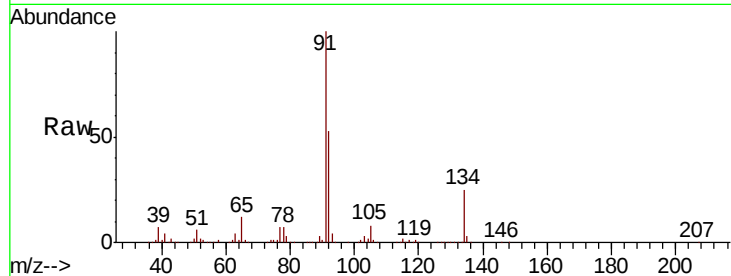




#89
n-Butylbenzene
Concen: 49.588 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

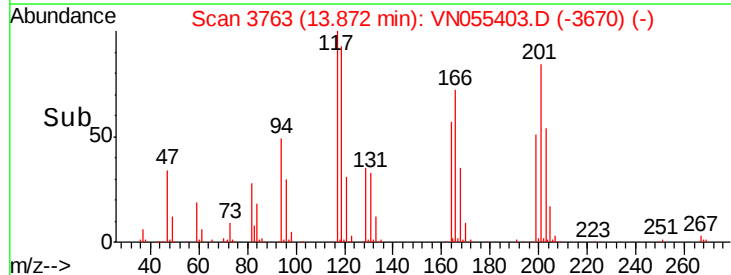
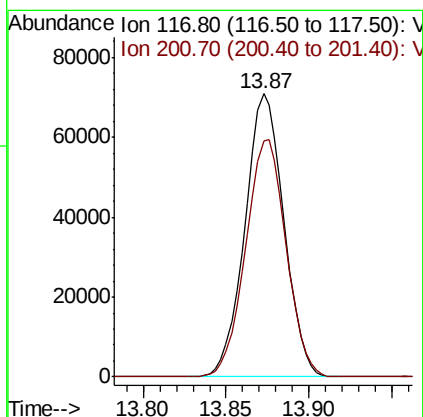
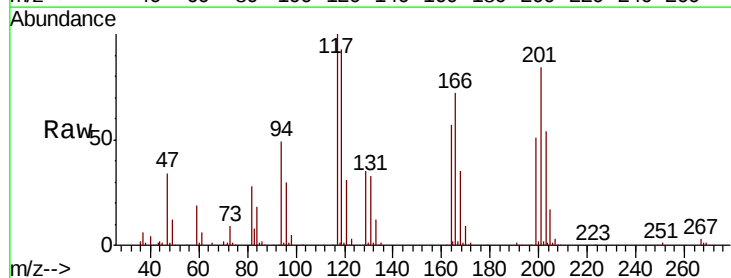
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

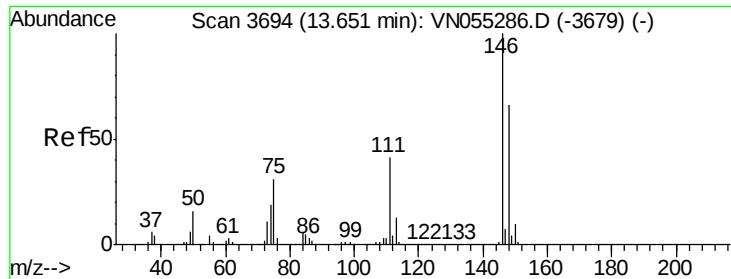
Tot Ion: 91 Resp: 554408
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.3
134 24.7 12.4 37.4



#90
Hexachloroethane
Concen: 46.342 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055403.D
Acq: 3 May 2019 20:48

Tgt Ion: 117 Resp: 115736
Ion Ratio Lower Upper
117 100
201 87.1 41.9 125.8

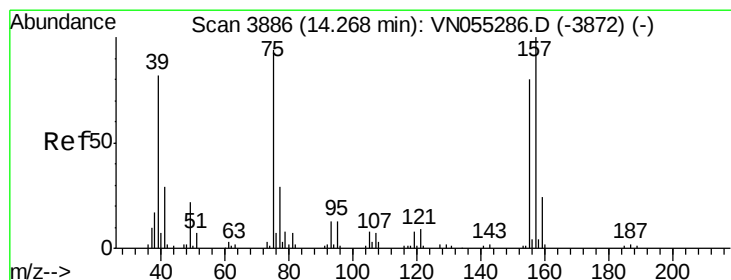
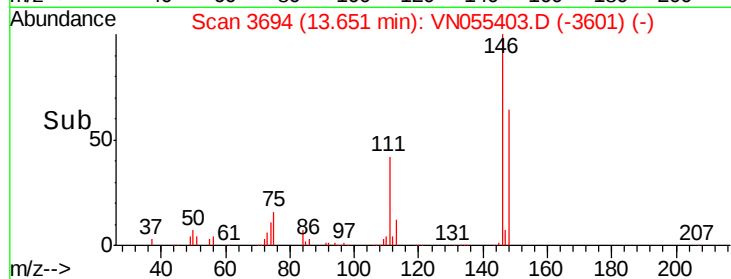
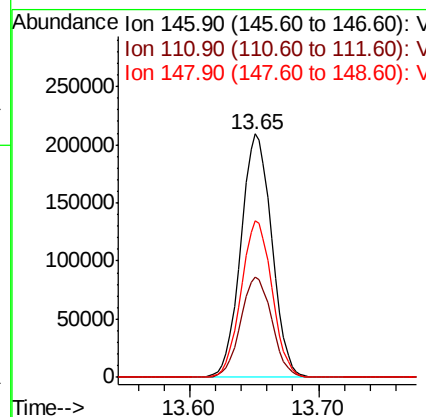
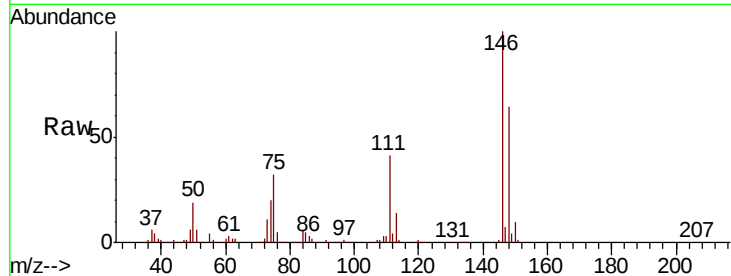




#91
 1,2-Dichlorobenzene
 Concen: 46.845 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

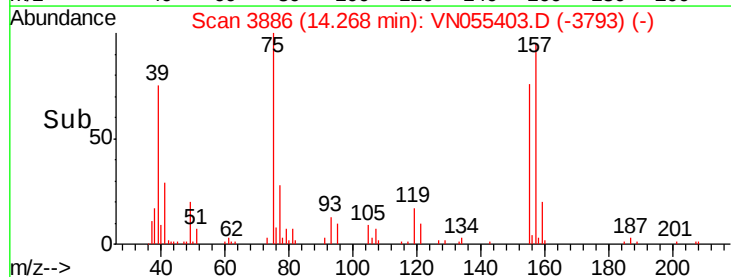
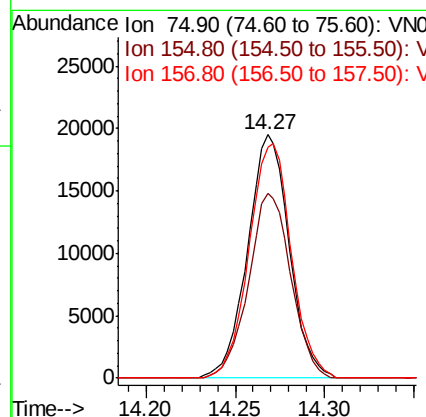
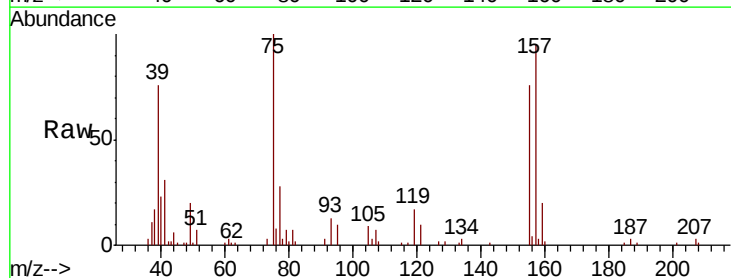
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 349041
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.3 61.0
 148 64.3 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.751 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion: 75 Resp: 31769
 Ion Ratio Lower Upper
 75 100
 155 77.0 41.5 124.6
 157 98.0 54.0 162.2

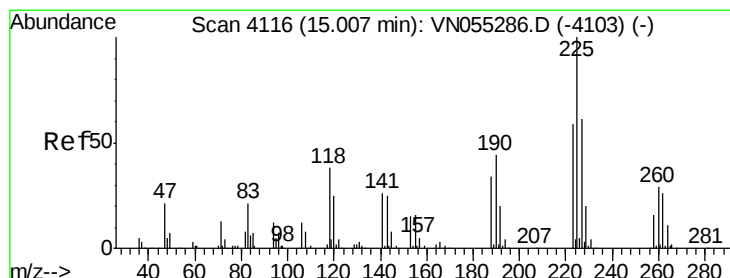
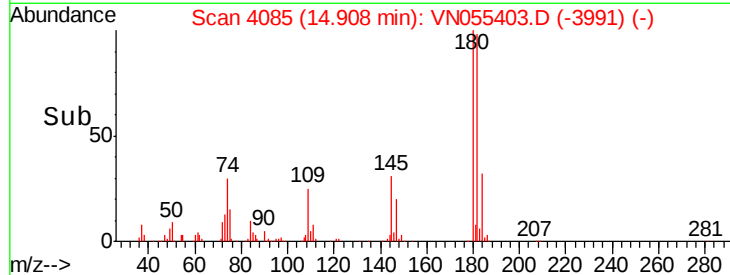
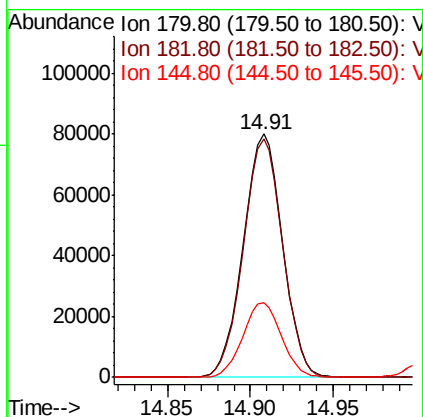
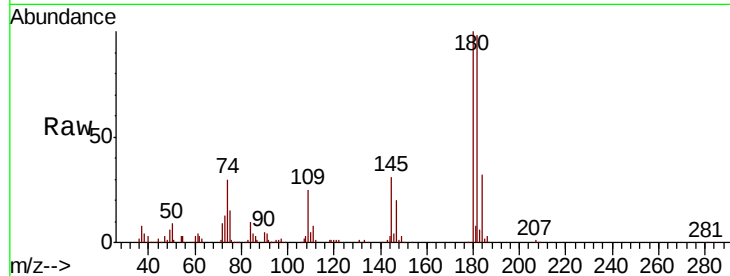




#93
 1,2,4-Trichlorobenzene
 Concen: 45.191 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

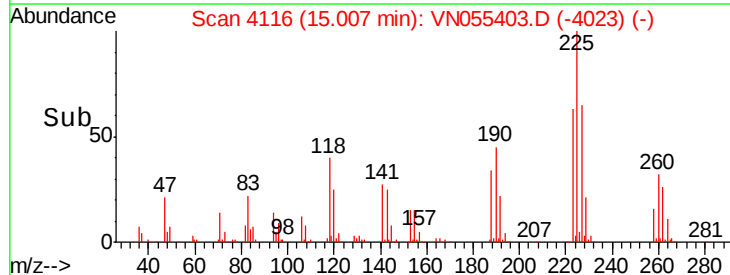
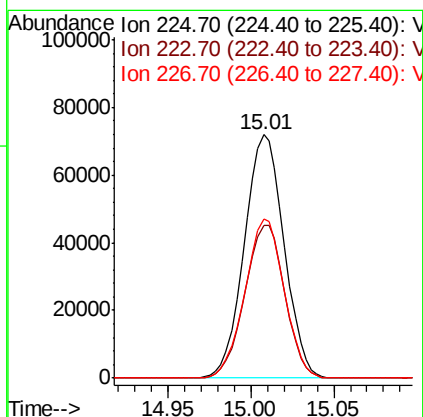
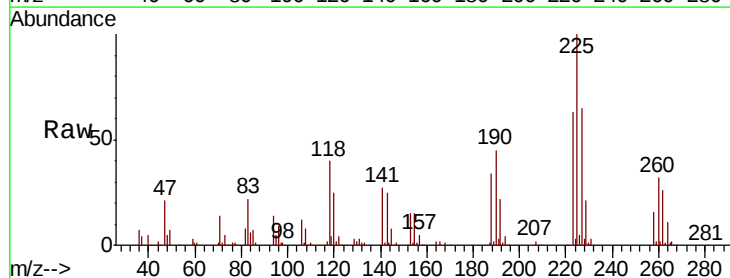
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

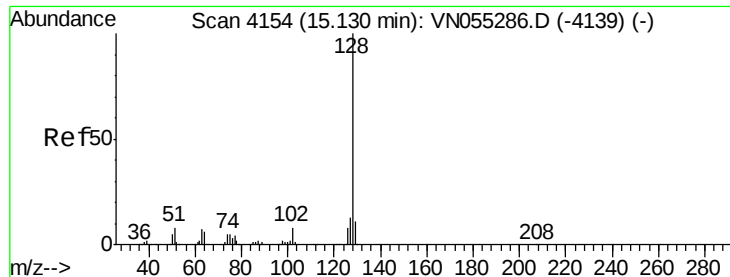
Tot Ion:180 Resp: 131742
 Ion Ratio Lower Upper
 180 100
 182 97.9 48.3 144.9
 145 30.2 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 53.511 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055403.D
 Acq: 3 May 2019 20:48

Tgt Ion:225 Resp: 119534
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.3 90.8
 227 64.6 30.9 92.7





#95

Naphthalene

Concen: 41.994 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

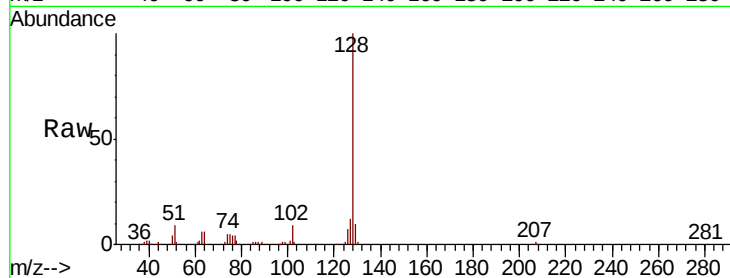
Tot Ion:128 Resp: 258667

Ion Ratio Lower Upper

128 100

127 12.5 10.7 16.1

129 10.6 8.6 13.0

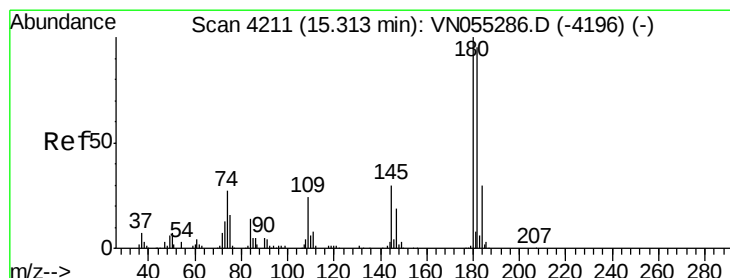
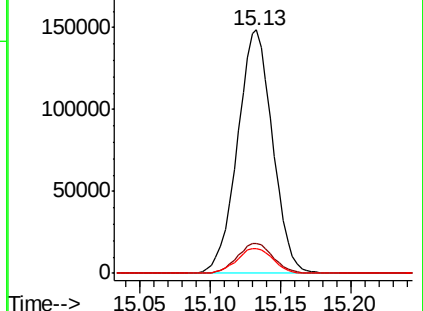
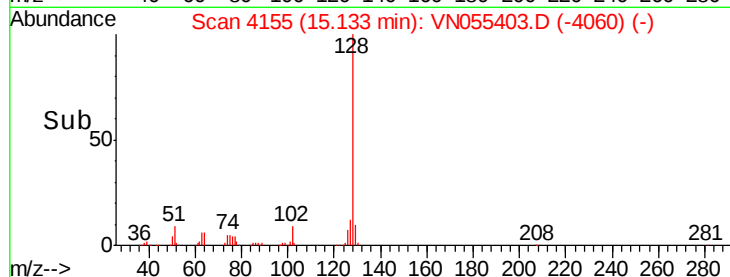


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13



#96

1,2,3-Trichlorobenzene

Concen: 48.187 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055403.D

Acq: 3 May 2019 20:48

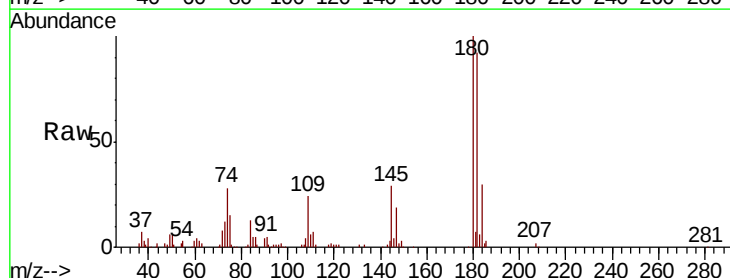
Tgt Ion:180 Resp: 139104

Ion Ratio Lower Upper

180 100

182 93.4 48.3 144.9

145 30.0 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.31

