

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070419\
 Data File : VN056603.D
 Acq On : 3 Jul 2019 22:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 03 22:59:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	279481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	437427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	383476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	178160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	159290	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	7.59	113	138909	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	10.09	98	516708	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.40	95	183791	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	108102	45.680	ug/l	100
3) Chloromethane	2.06	50	141900	44.037	ug/l	98
4) Vinyl Chloride	2.19	62	143234	46.023	ug/l	98
5) Bromomethane	2.52	94	53416	29.277	ug/l	98
6) Chloroethane	2.67	64	72222	40.072	ug/l	100
7) Trichlorofluoromethane	3.00	101	191324	47.524	ug/l	99
8) Diethyl Ether	3.41	74	85537	50.204	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	124214	48.383	ug/l	99
10) Methyl Iodide	3.95	142	98915	28.507	ug/l	98
11) Tert butyl alcohol	4.80	59	154013	295.213	ug/l	100
12) 1,1-Dichloroethene	3.73	96	119367	48.348	ug/l	98
13) Acrolein	3.61	56	92031	209.305	ug/l	98
14) Allyl chloride	4.32	41	212356	51.671	ug/l	99
15) Acrylonitrile	4.99	53	400333	277.376	ug/l	99
16) Acetone	3.82	43	320186	206.319	ug/l	99
17) Carbon Disulfide	4.05	76	235284	41.899	ug/l	100
18) Methyl Acetate	4.33	43	177051	58.395	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	437429	53.545	ug/l	98
20) Methylene Chloride	4.55	84	146923	50.225	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	127916	48.056	ug/l	97
22) Diisopropyl ether	5.95	45	477559	55.330	ug/l	96
23) Vinyl Acetate	5.90	43	1931832	283.774	ug/l	100
24) 1,1-Dichloroethane	5.85	63	257442	51.961	ug/l	99
25) 2-Butanone	6.84	43	543105	264.420	ug/l	99
26) 2,2-Dichloropropane	6.82	77	156001	45.271	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159429	51.194	ug/l	99
28) Bromochloromethane	7.19	49	126775	51.731	ug/l	97
29) Tetrahydrofuran	7.21	42	367602	292.869	ug/l	98
30) Chloroform	7.37	83	257932	52.758	ug/l	100
31) Cyclohexane	7.65	56	219562	45.903	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	204565	52.788	ug/l	99
36) 1,1-Dichloropropene	7.79	75	180368	46.847	ug/l	99
37) Ethyl Acetate	6.93	43	214573	56.710	ug/l	100
38) Carbon Tetrachloride	7.77	117	168229	49.966	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	213281	44.894	ug/l	98
40) Benzene	8.04	78	580902	49.050	ug/l	99
41) Methacrylonitrile	7.17	41	96218	57.588	ug/l	91
42) 1,2-Dichloroethane	8.12	62	195153	49.931	ug/l	99
43) Isopropyl Acetate	8.17	43	333908	57.231	ug/l	99
44) Trichloroethene	8.84	130	149989	47.015	ug/l	100
45) 1,2-Dichloropropane	9.12	63	162894	51.431	ug/l	99
46) Dibromomethane	9.21	93	99434	50.180	ug/l	99
47) Bromodichloromethane	9.40	83	190103	54.092	ug/l	99
48) Methyl methacrylate	9.20	41	164227	56.171	ug/l	97
49) 1,4-Dioxane	9.20	88	67868	1118.578	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1095867	291.012	ug/l	100
52) Toluene	10.16	92	359846	49.699	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	197703	48.398	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	225962	53.391	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	152487	52.394	ug/l	99
56) Ethyl methacrylate	10.43	69	238788	56.141	ug/l	100
57) 1,3-Dichloropropane	10.71	76	256182	52.396	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	598623	391.764	ug/l	99
59) 2-Hexanone	10.75	43	794955	287.229	ug/l	100
60) Dibromochloromethane	10.90	129	149762	50.059	ug/l	99
61) 1,2-Dibromoethane	11.01	107	155949	52.464	ug/l	99
64) Tetrachloroethene	10.63	164	138140	45.488	ug/l	99
65) Chlorobenzene	11.43	112	387121	50.240	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	144003	55.295	ug/l	100
67) Ethyl Benzene	11.51	91	682095	50.415	ug/l	100
68) m/p-Xylenes	11.62	106	510424	102.943	ug/l	98
69) o-Xylene	11.95	106	254571	51.896	ug/l	99
70) Styrene	11.96	104	429367	54.760	ug/l	99
71) Bromoform	12.13	173	108342	51.470	ug/l #	98
73) Isopropylbenzene	12.25	105	669693	50.048	ug/l	100
74) N-amyl acetate	12.07	43	280220	49.421	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	229610	55.780	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	268107	72.576	ug/l #	100
77) Bromobenzene	12.53	156	175345	44.016	ug/l	96
78) n-propylbenzene	12.59	91	753037	46.156	ug/l	99
79) 2-Chlorotoluene	12.67	91	448553	50.146	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	560958	50.032	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58240	56.032	ug/l	94
82) 4-Chlorotoluene	12.77	91	450138	46.728	ug/l	99
83) tert-Butylbenzene	12.99	119	488129	49.959	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	556568	46.405	ug/l	100
85) sec-Butylbenzene	13.17	105	638994	44.560	ug/l	100
86) p-Isopropyltoluene	13.29	119	579370	47.078	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	293560	48.626	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	285671	48.860	ug/l	100
89) n-Butylbenzene	13.61	91	479336	51.450	ug/l	99
90) Hexachloroethane	13.87	117	88680	46.220	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	298284	49.800	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40571	61.545	ug/l	97

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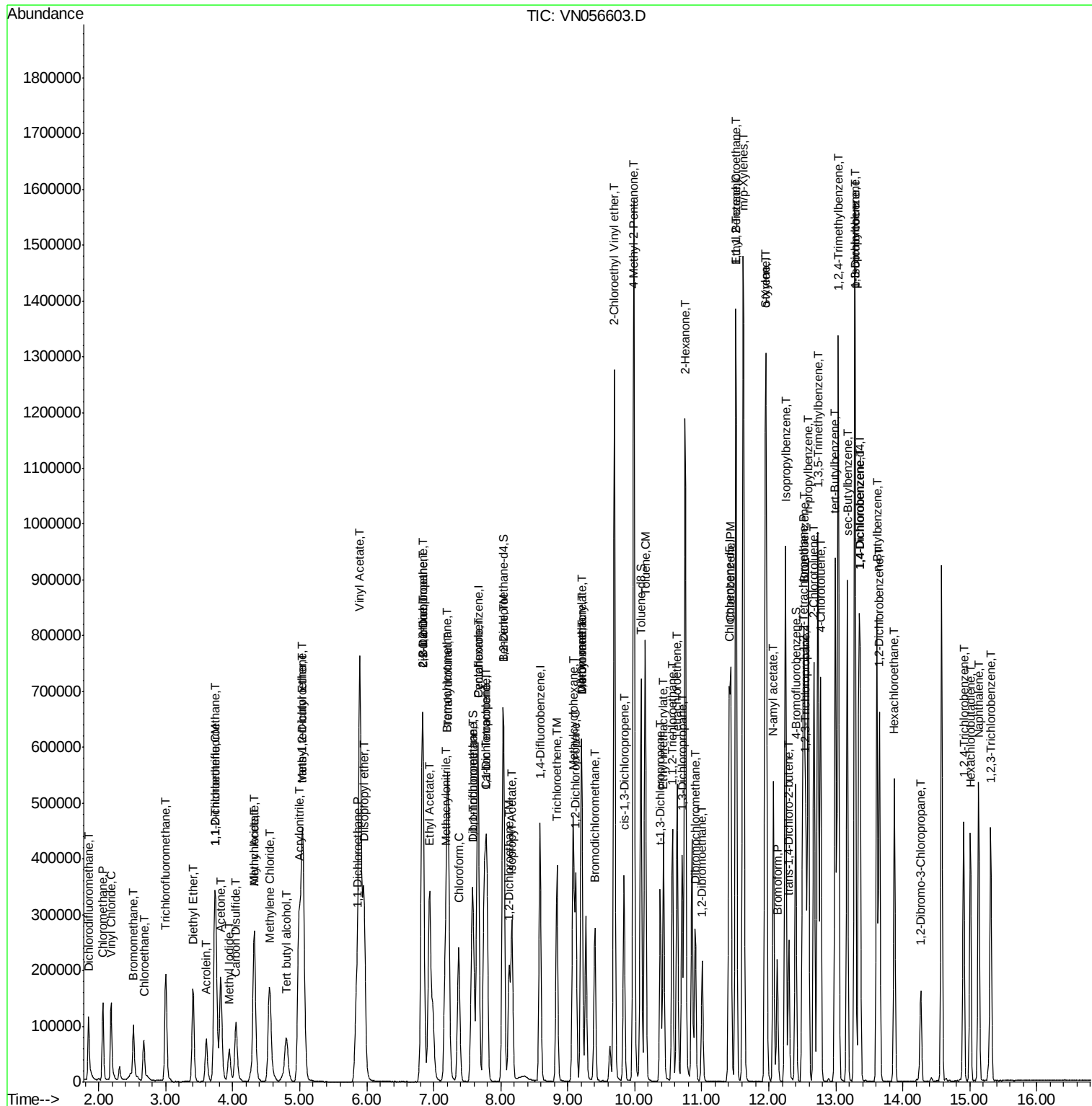
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162320	51.810	ug/l	99
94) Hexachlorobutadiene	15.01	225	95650	47.010	ug/l	99
95) Naphthalene	15.13	128	471438	57.010	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	171266	52.723	ug/l	99

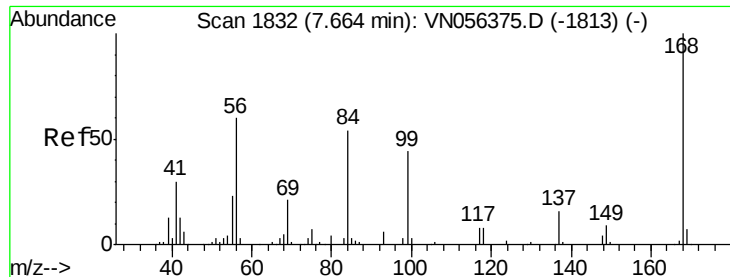
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

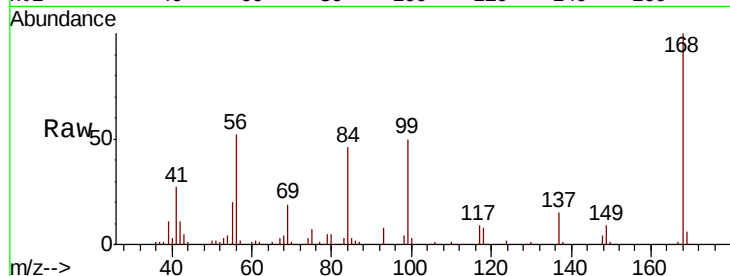
VSTDCCC050EC

Tot Ion:168 Resp: 279481

Ion Ratio Lower Upper

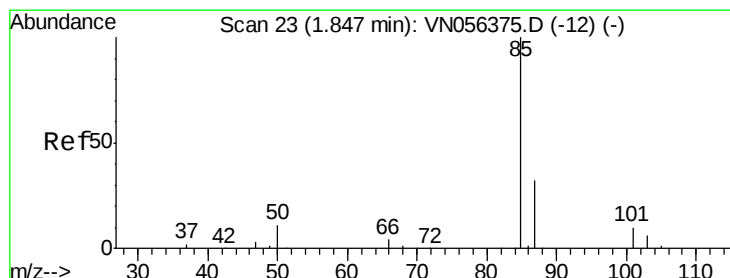
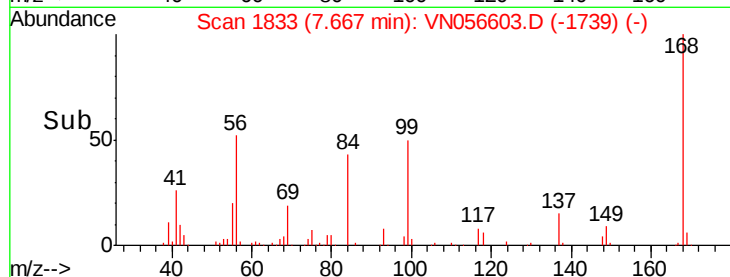
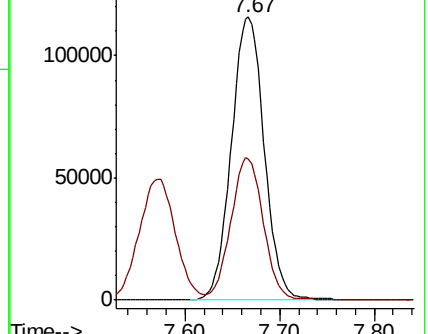
168 100

99 49.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.680 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056603.D

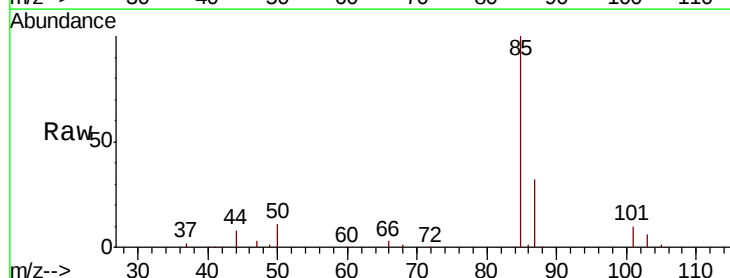
Acq: 3 Jul 2019 22:31

Tgt Ion: 85 Resp: 108102

Ion Ratio Lower Upper

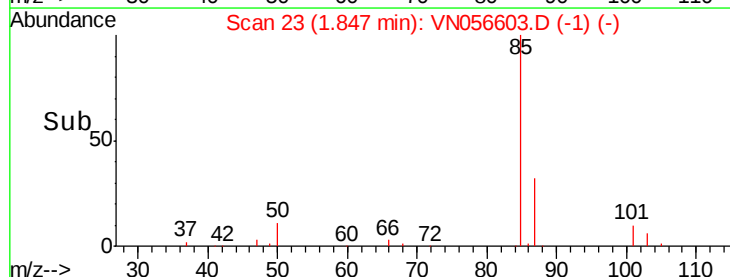
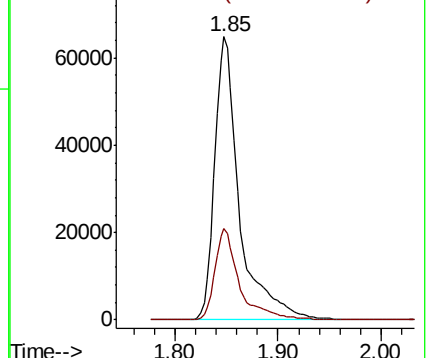
85 100

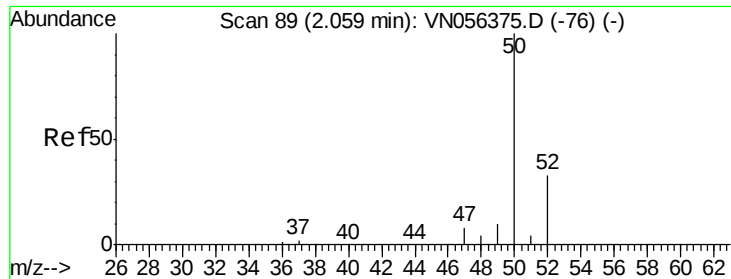
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.037 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

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ClientSampleId :

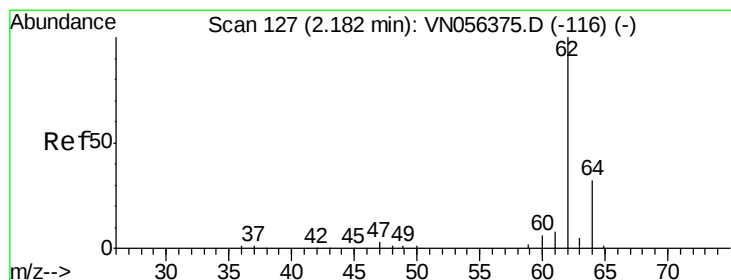
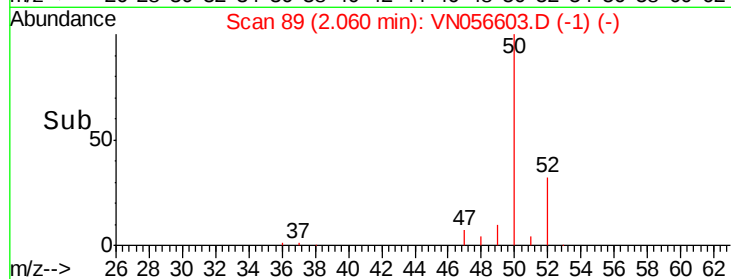
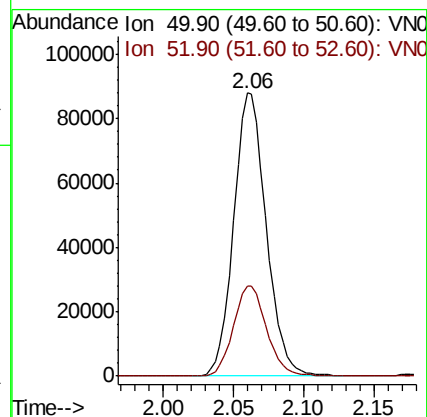
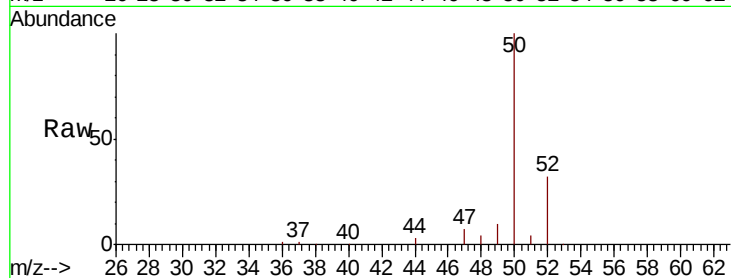
VSTDCCC050EC

Tot Ion: 50 Resp: 141900

Ion Ratio Lower Upper

50 100

52 31.9 26.5 39.7



#4

Vinyl Chloride

Concen: 46.023 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056603.D

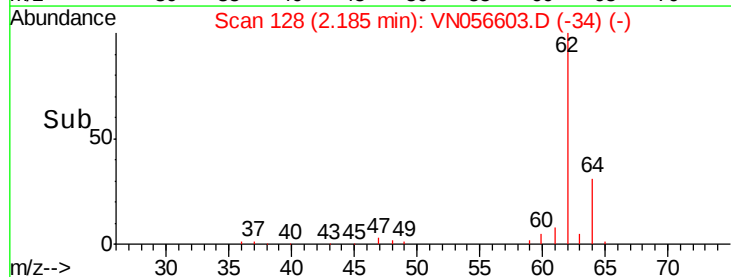
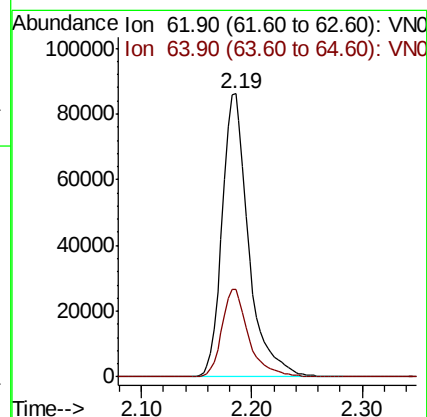
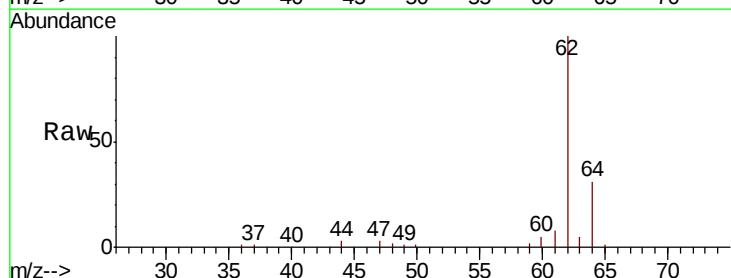
Acq: 3 Jul 2019 22:31

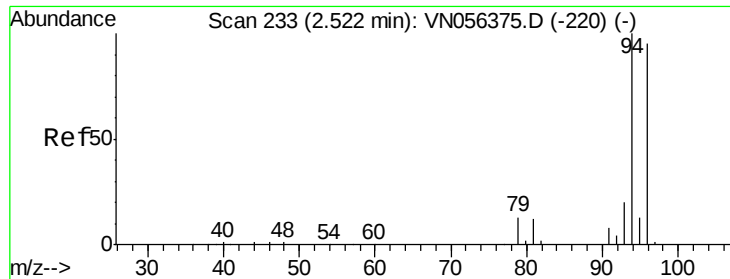
Tgt Ion: 62 Resp: 143234

Ion Ratio Lower Upper

62 100

64 31.0 25.7 38.5

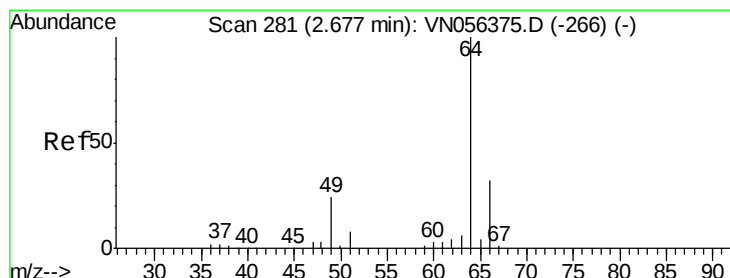
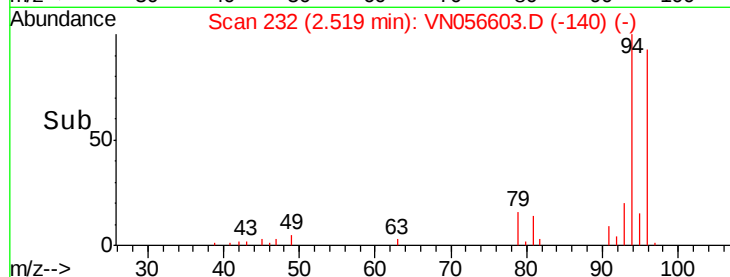
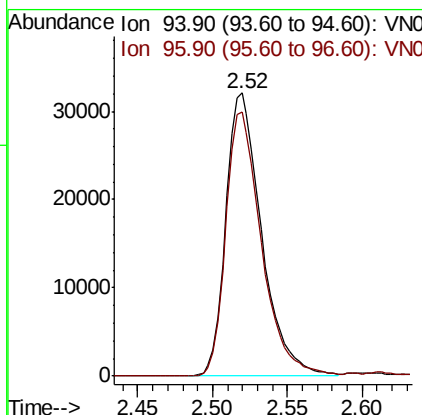
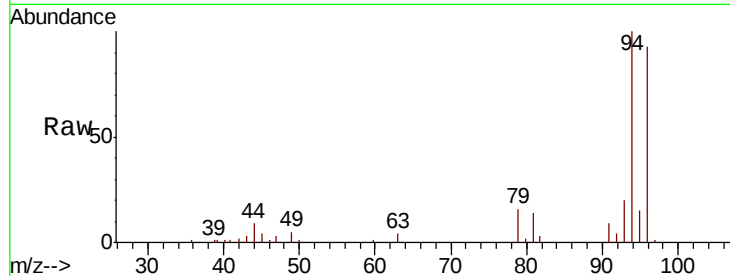




#5
Bromomethane
Concen: 29.277 ug/l
RT: 2.52 min Scan# 232
Delta R.T. -0.00 min
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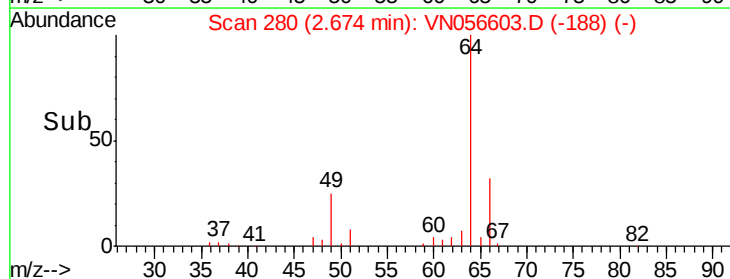
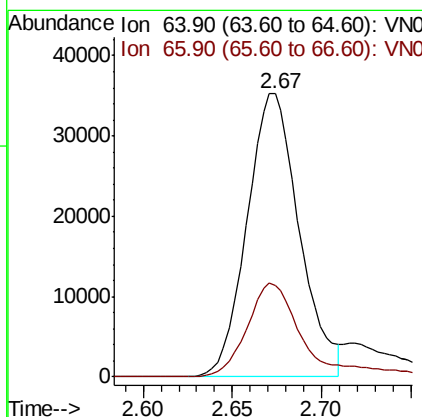
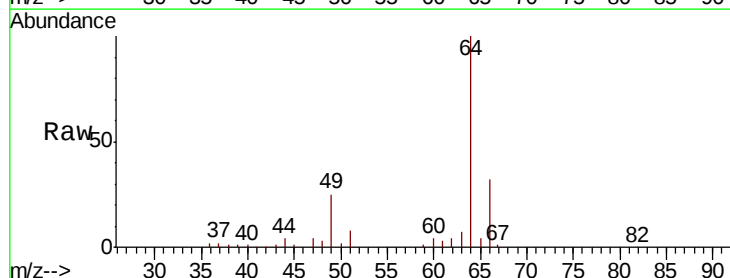
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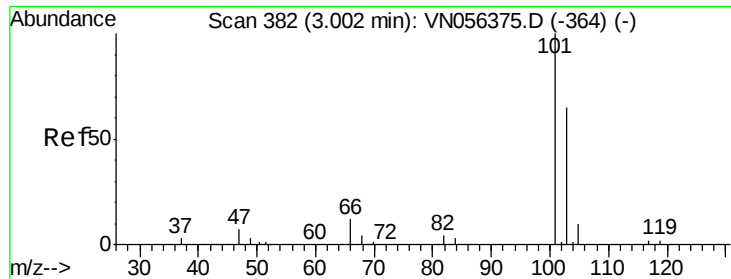
Tot Ion: 94 Resp: 53416
Ion Ratio Lower Upper
94 100
96 93.5 76.0 114.0



#6
Chloroethane
Concen: 40.072 ug/l
RT: 2.67 min Scan# 280
Delta R.T. -0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion: 64 Resp: 72222
Ion Ratio Lower Upper
64 100
66 32.5 25.8 38.8



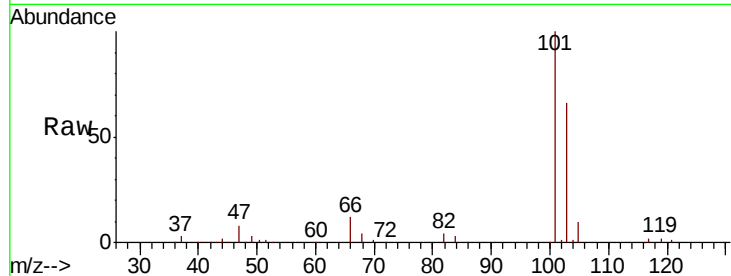


#7

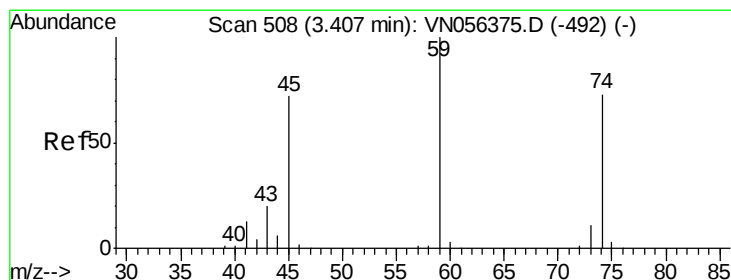
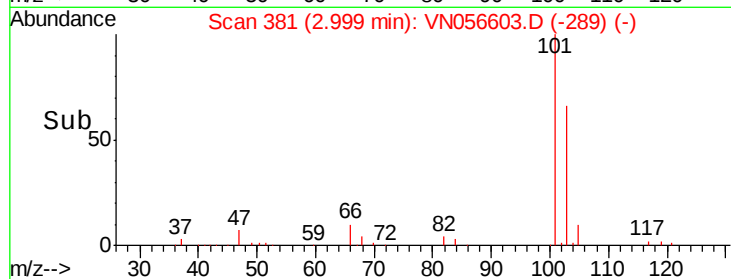
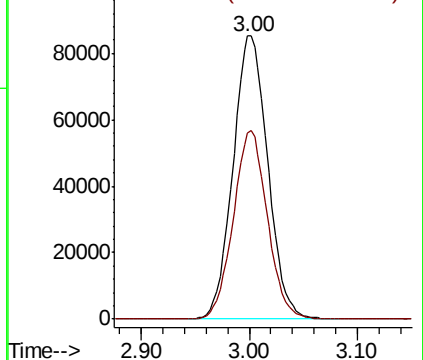
Trichlorofluoromethane
 Concen: 47.524 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Instrument :
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Tot Ion:101 Resp: 191324
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.7 77.5



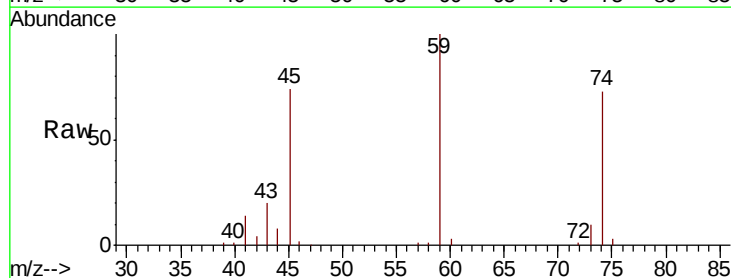
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



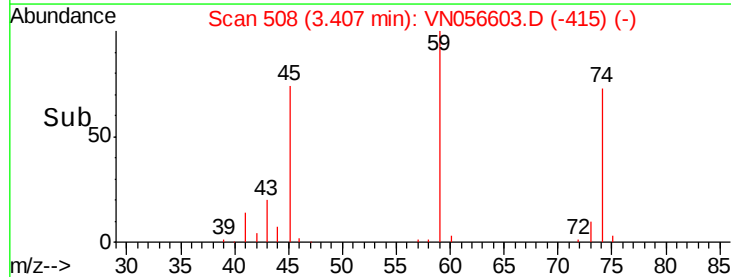
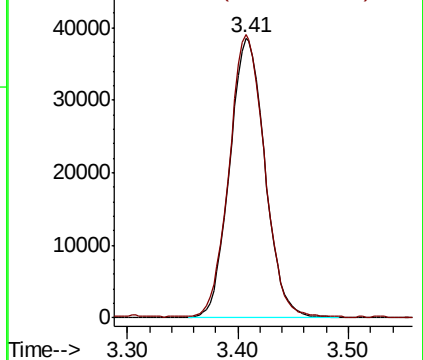
#8

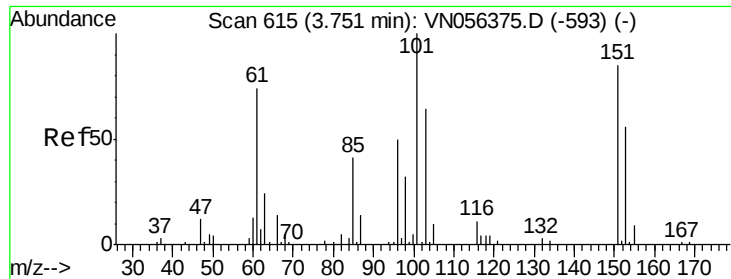
Diethyl Ether
 Concen: 50.204 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056603.D
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Tgt Ion: 74 Resp: 85537
 Ion Ratio Lower Upper
 74 100
 45 102.8 48.9 146.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.383 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

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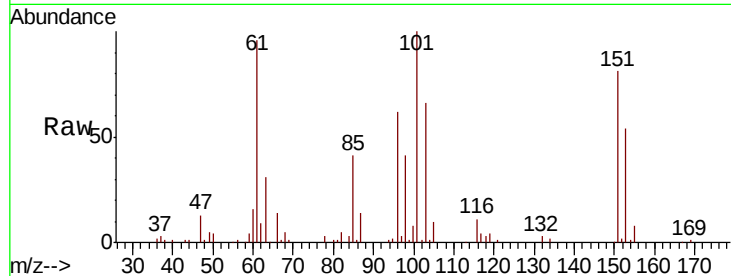
Tot Ion:101 Resp: 124214

Ion Ratio Lower Upper

101 100

85 41.1 32.7 49.1

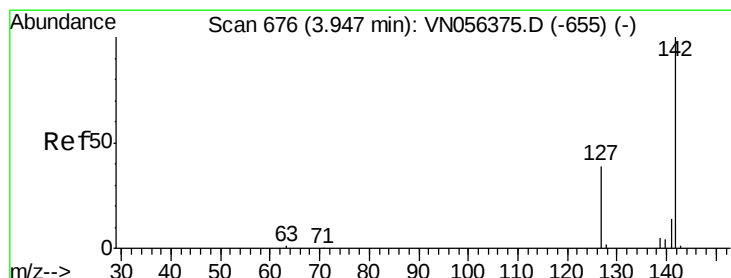
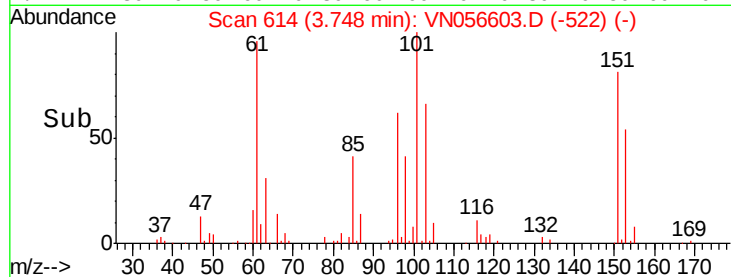
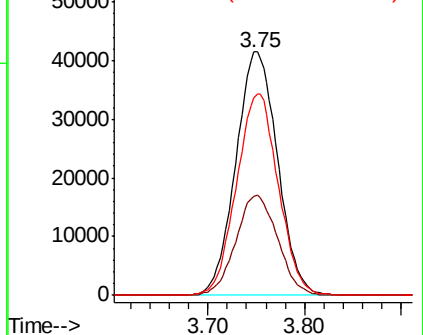
151 82.7 66.8 100.2



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: 28.507 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

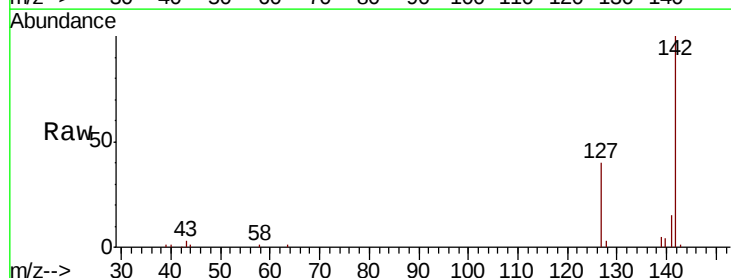
Tgt Ion:142 Resp: 98915

Ion Ratio Lower Upper

142 100

127 39.8 30.6 46.0

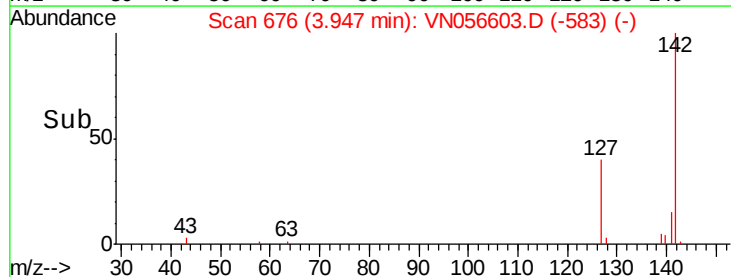
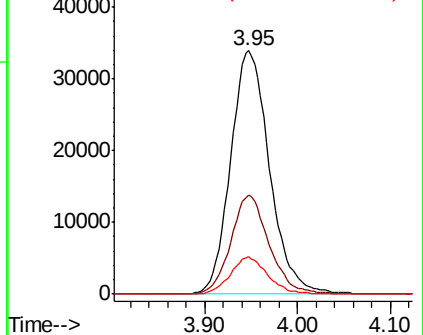
141 14.5 11.4 17.2

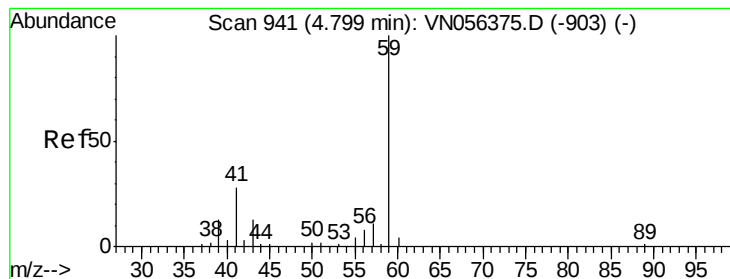


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



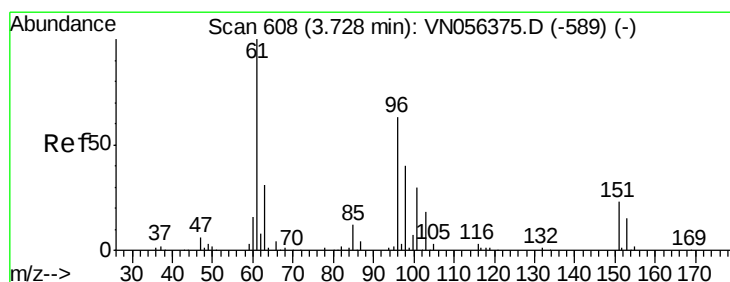
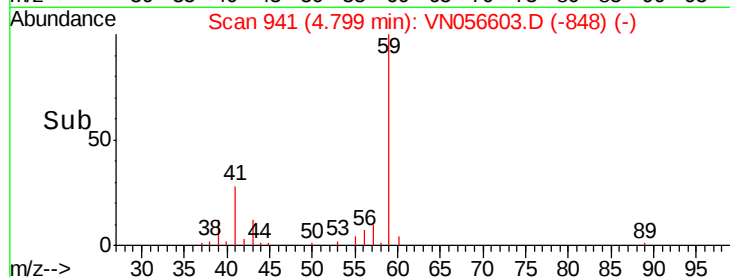
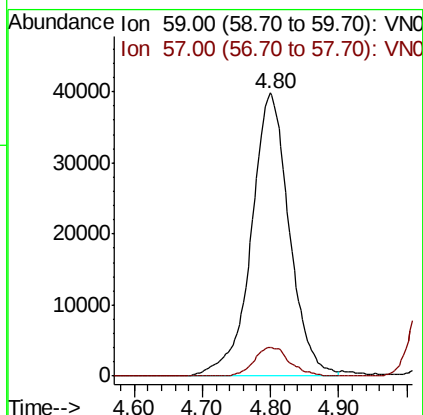
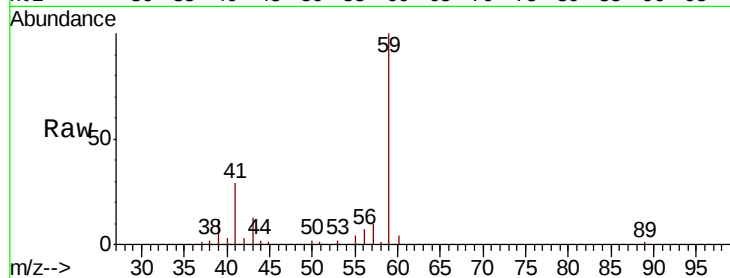


#11

Tert butyl alcohol
 Concen: 295.213 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

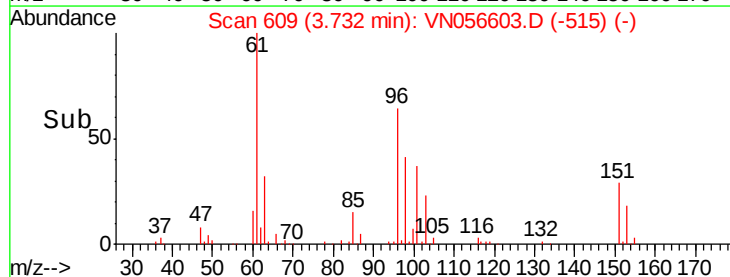
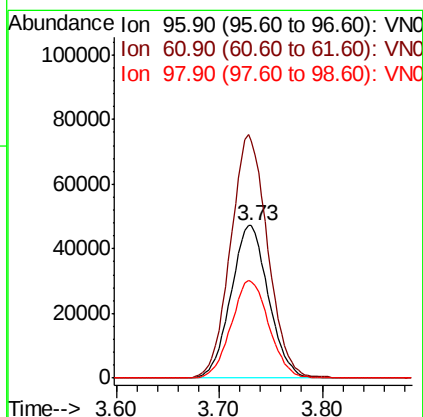
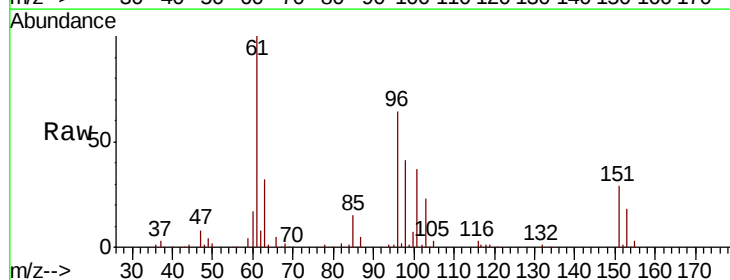
Tot Ion: 59 Resp: 154013
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.6 11.4

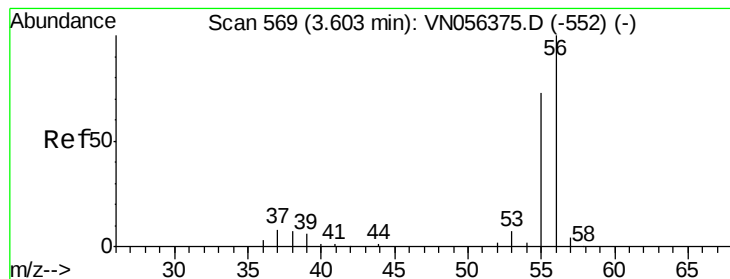


#12

1,1-Dichloroethene
 Concen: 48.348 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Tgt Ion: 96 Resp: 119367
 Ion Ratio Lower Upper
 96 100
 61 155.8 126.6 190.0
 98 63.3 51.1 76.7





#13

Acrolein

Concen: 209.305 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

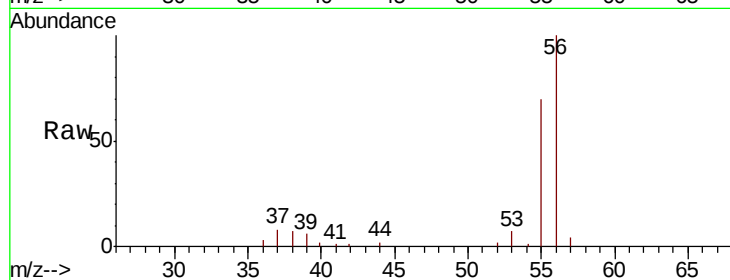
VSTDCCC050EC

Tot Ion: 56 Resp: 92031

Ion Ratio Lower Upper

56 100

55 69.4 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

40000

30000

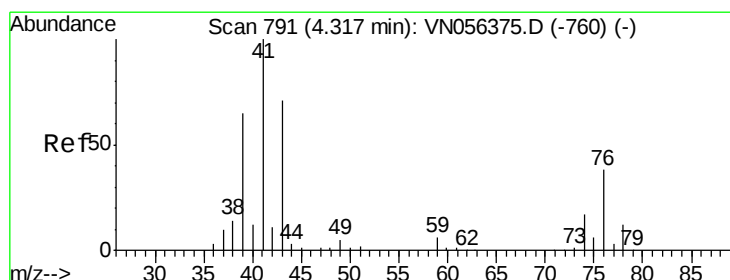
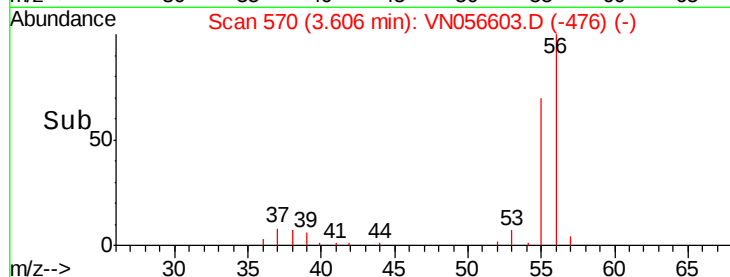
20000

10000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 51.671 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

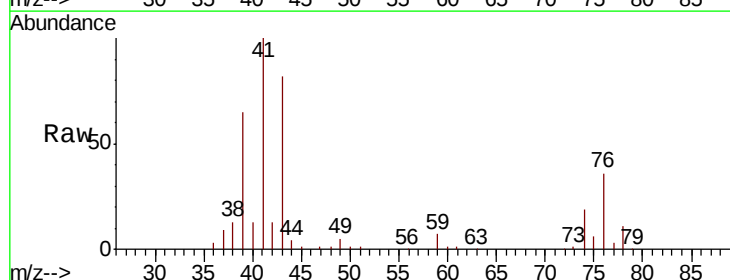
Tgt Ion: 41 Resp: 212356

Ion Ratio Lower Upper

41 100

39 59.9 48.6 73.0

76 32.4 26.6 40.0



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

4.32

80000

60000

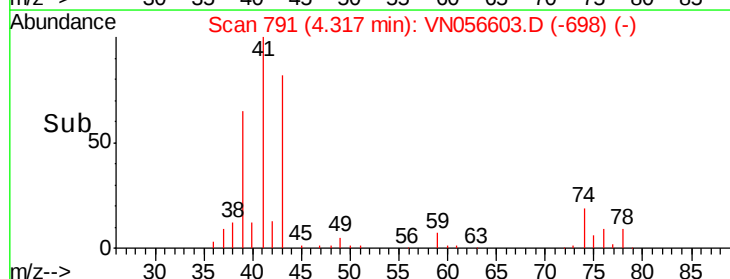
40000

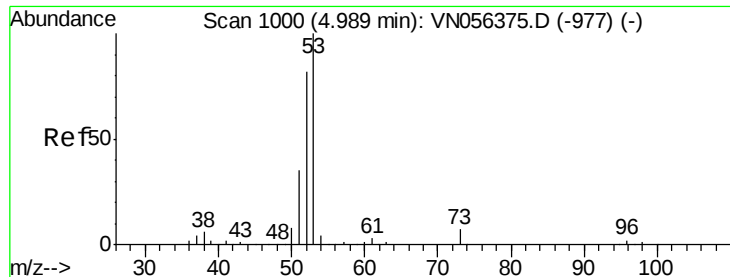
20000

0

Time-->

4.20 4.30 4.40

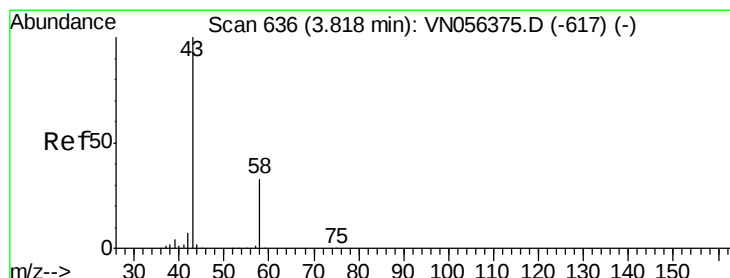
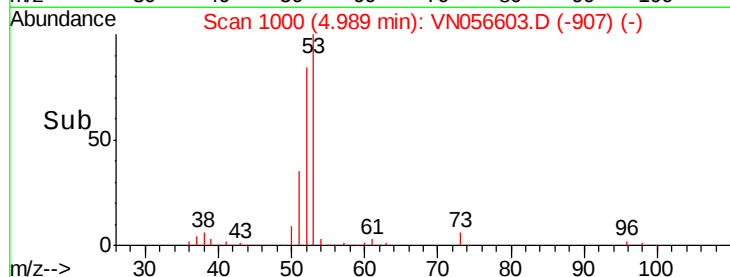
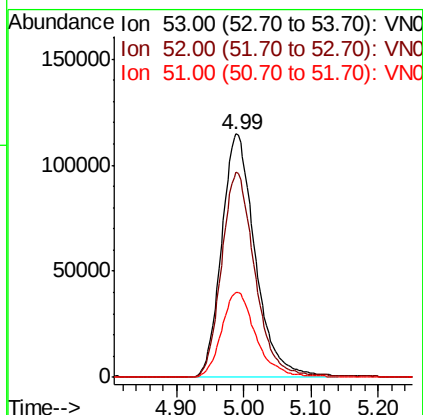
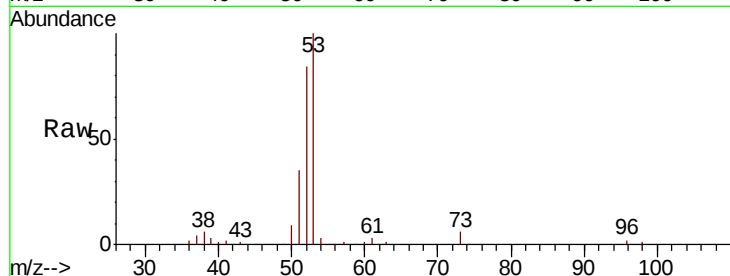




#15
 Acrylonitrile
 Concen: 277.376 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

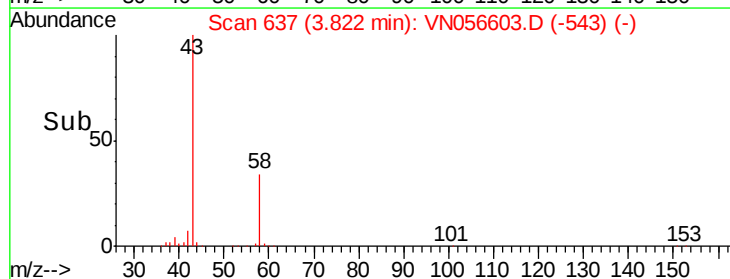
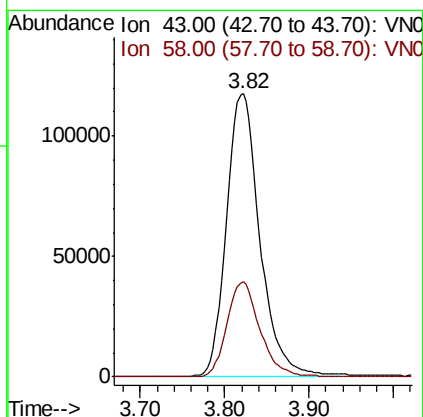
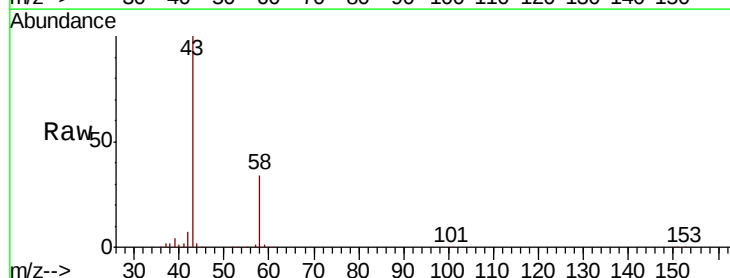
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

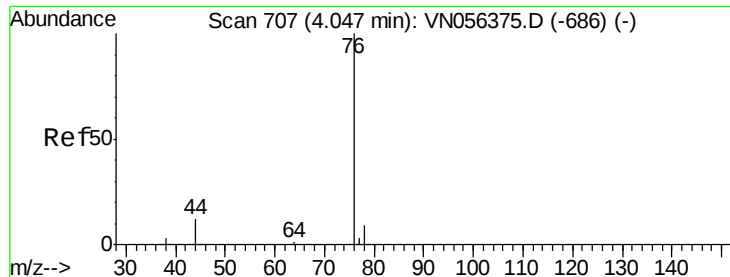
Tot Ion: 53 Resp: 400333
 Ion Ratio Lower Upper
 53 100
 52 83.0 65.9 98.9
 51 35.9 28.3 42.5



#16
 Acetone
 Concen: 206.319 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Tgt Ion: 43 Resp: 320186
 Ion Ratio Lower Upper
 43 100
 58 33.7 26.4 39.6

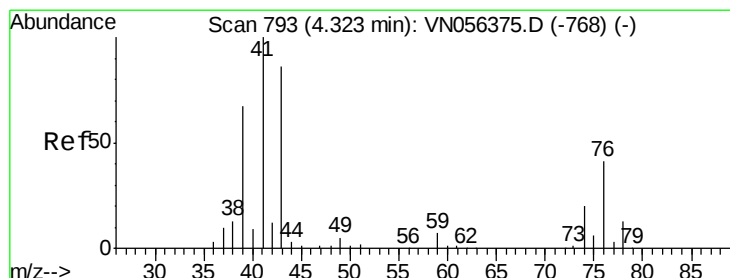
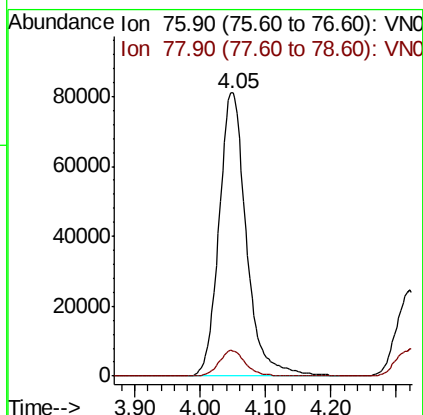
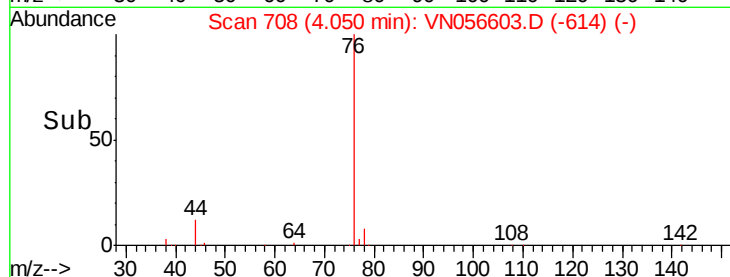
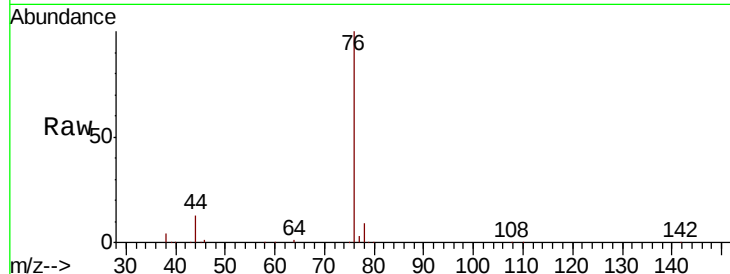




#17
Carbon Disulfide
Concen: 41.899 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

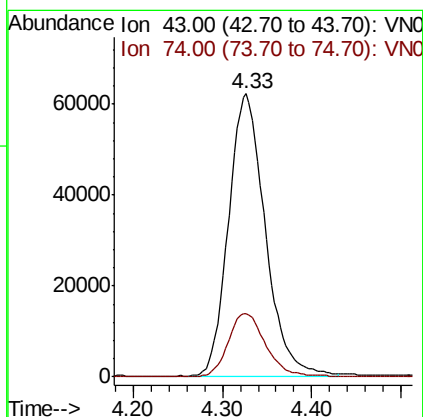
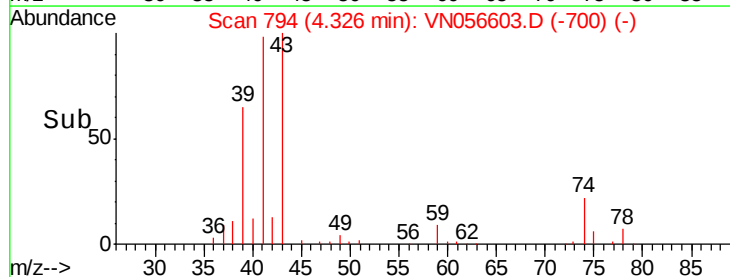
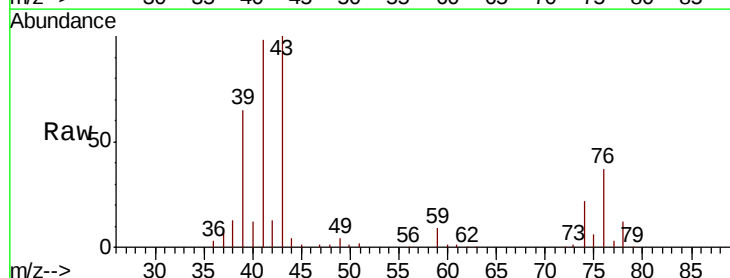
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

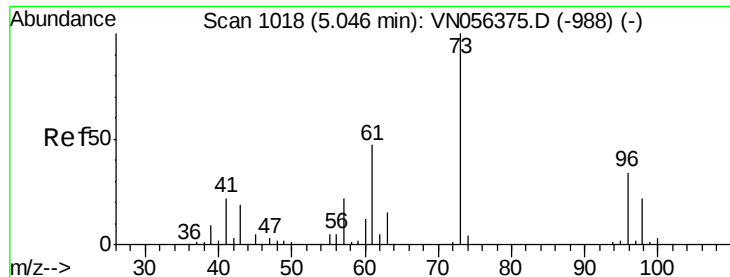
Tot Ion: 76 Resp: 235284
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 58.395 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion: 43 Resp: 177051
Ion Ratio Lower Upper
43 100
74 22.7 19.2 28.8

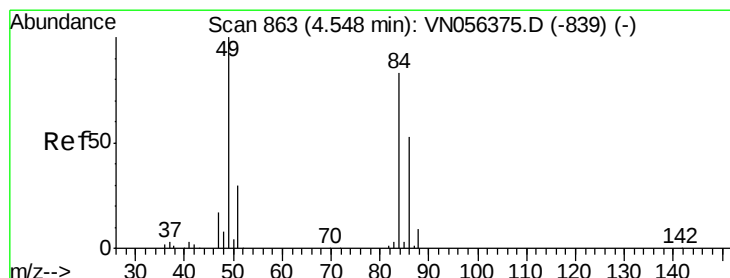
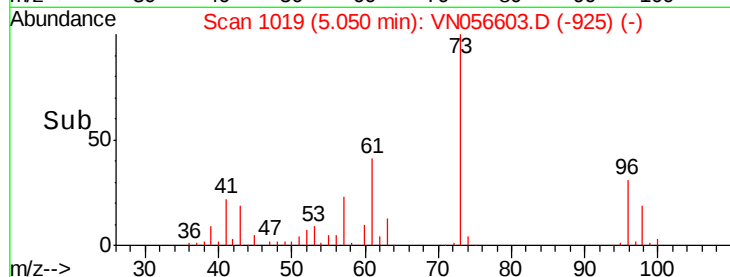
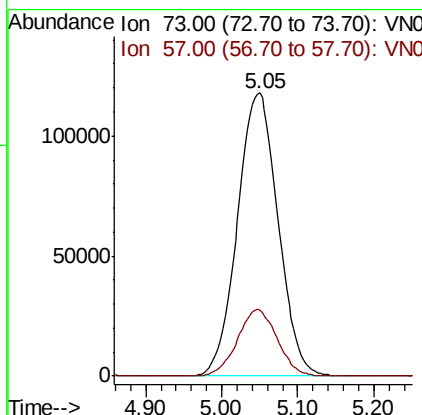
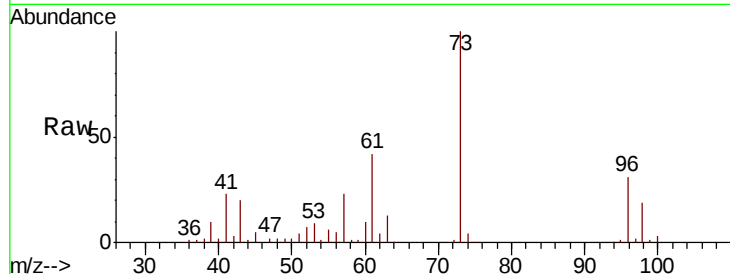




#19
Methvl tert-butvl Ether
Concen: 53.545 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

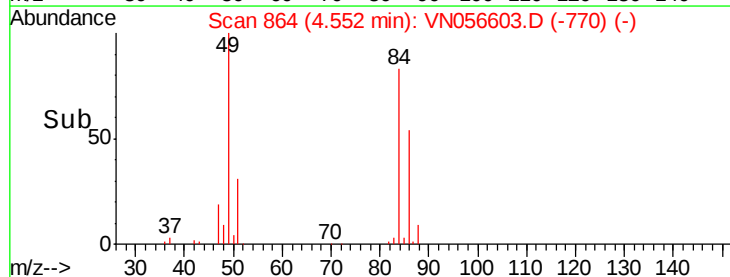
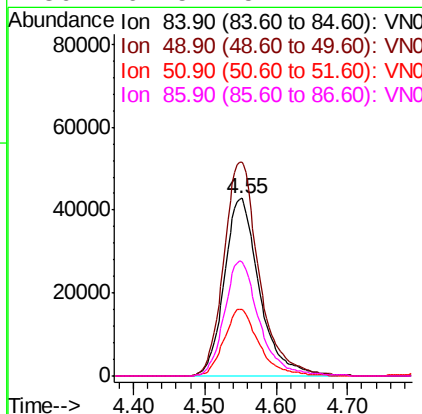
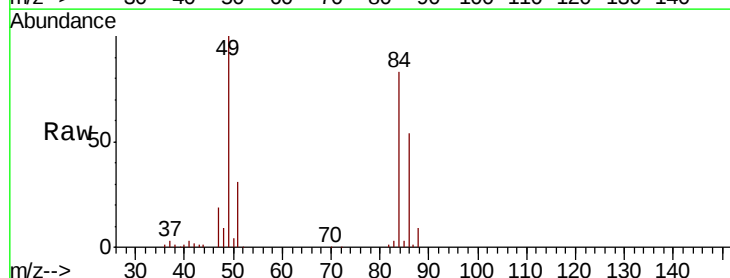
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

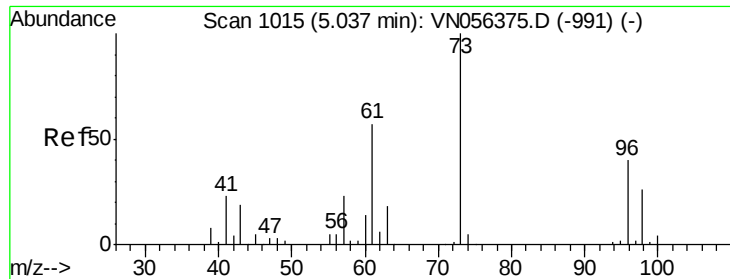
Tot Ion: 73 Resp: 437429
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9



#20
Methylene Chloride
Concen: 50.225 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion: 84 Resp: 146923
Ion Ratio Lower Upper
84 100
49 120.0 96.4 144.6
51 37.5 28.6 43.0
86 64.5 51.4 77.2

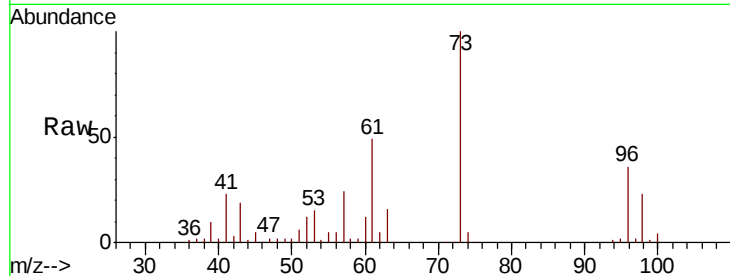




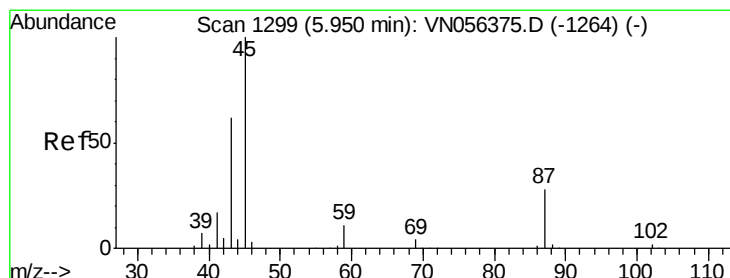
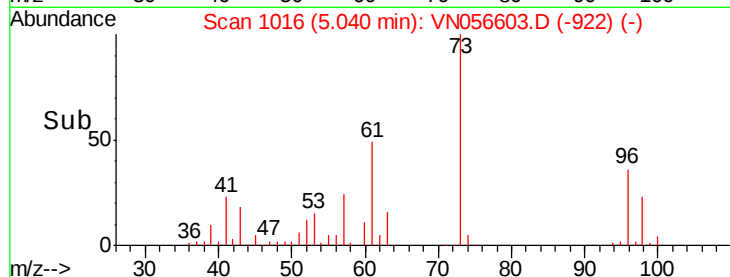
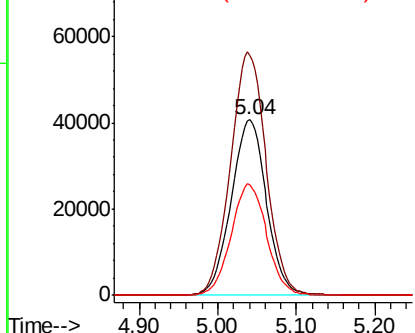
#21
trans-1,2-Dichloroethene
Concen: 48.056 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 127916
Ion Ratio Lower Upper
96 100
61 137.0 113.0 169.6
98 63.2 52.2 78.2

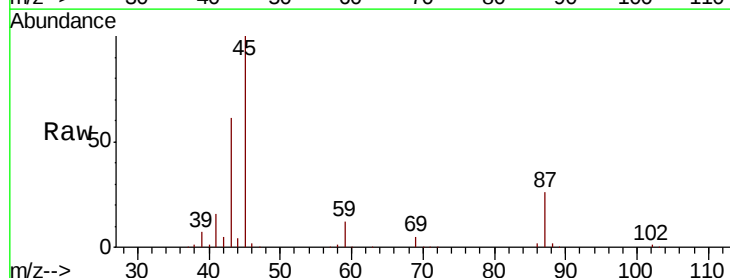


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

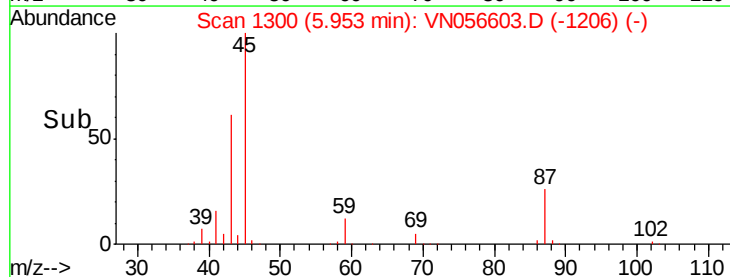
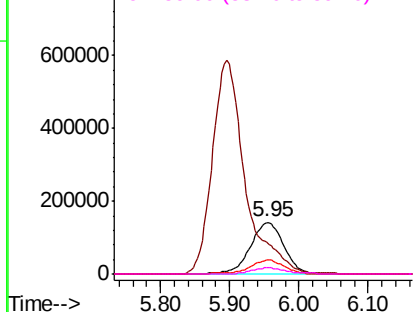


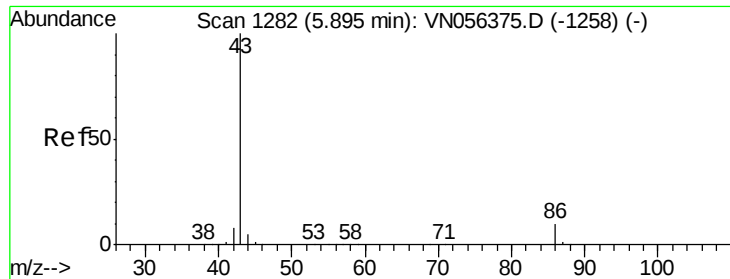
#22
Diisopropyl ether
Concen: 55.330 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion: 45 Resp: 477559
Ion Ratio Lower Upper
45 100
43 59.9 50.4 75.6
87 26.1 23.0 34.4
59 11.6 9.1 13.7



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

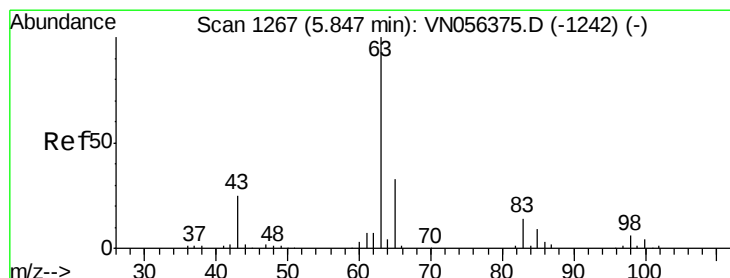
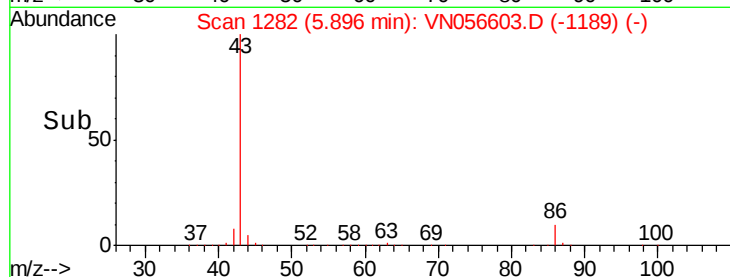
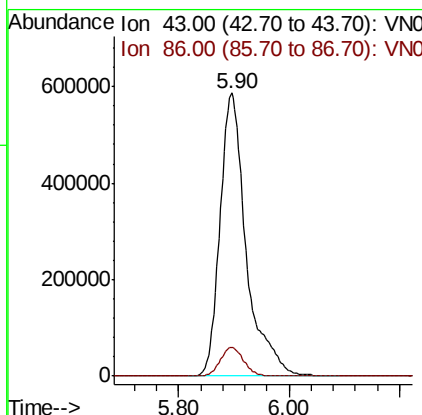
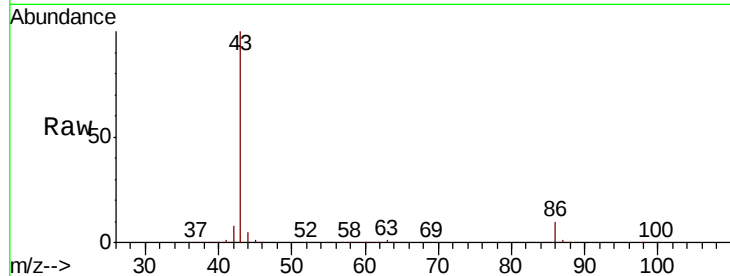




#23
 Vinyl Acetate
 Concen: 283.774 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

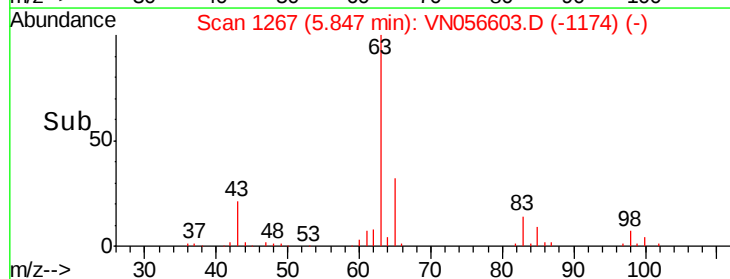
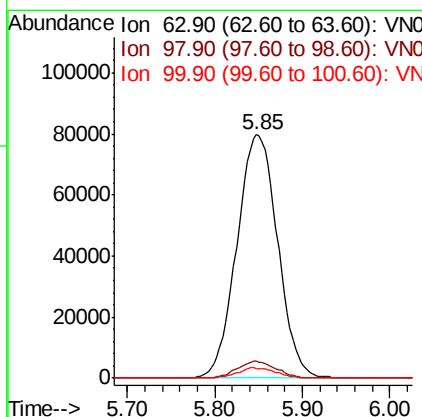
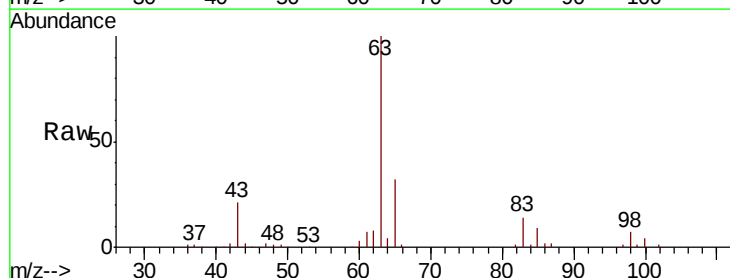
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

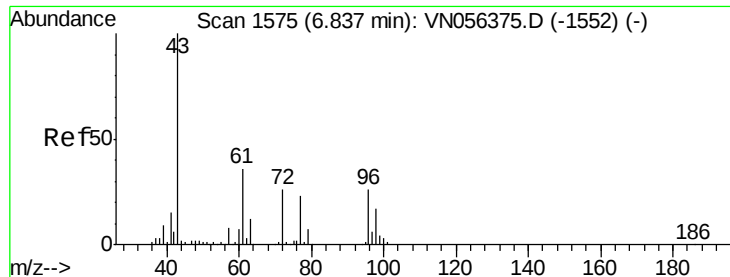
Tot Ion: 43 Resp: 1931832
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 51.961 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Tgt Ion: 63 Resp: 257442
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.2 9.6
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 264.420 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

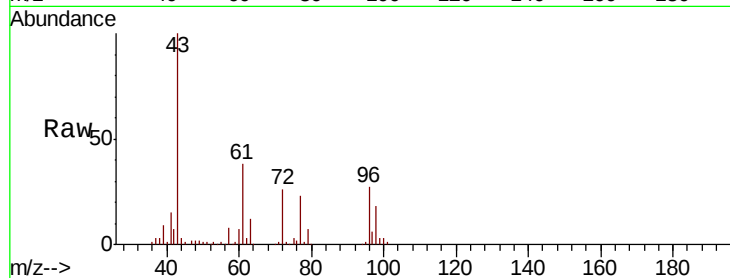
VSTDCCC050EC

Tot Ion: 43 Resp: 543105

Ion Ratio Lower Upper

43 100

72 26.2 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

200000

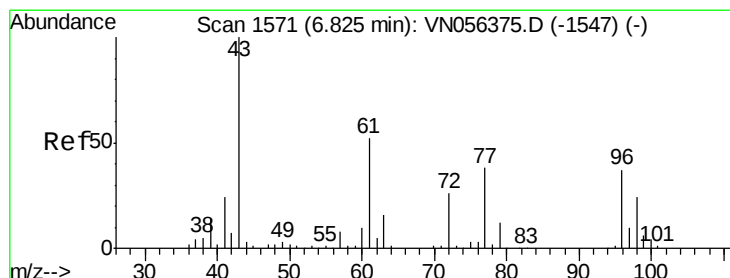
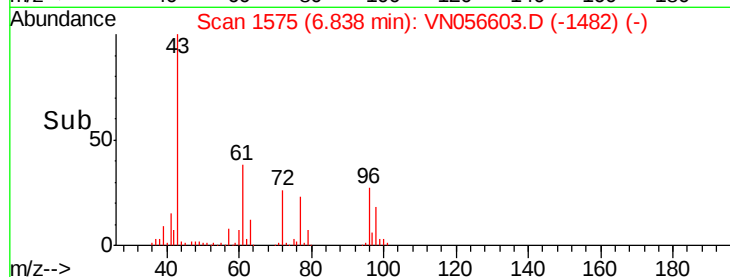
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 45.271 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056603.D

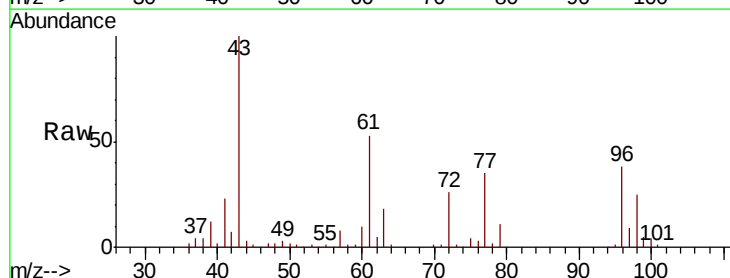
Acq: 3 Jul 2019 22:31

Tgt Ion: 77 Resp: 156001

Ion Ratio Lower Upper

77 100

97 24.4 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

50000

40000

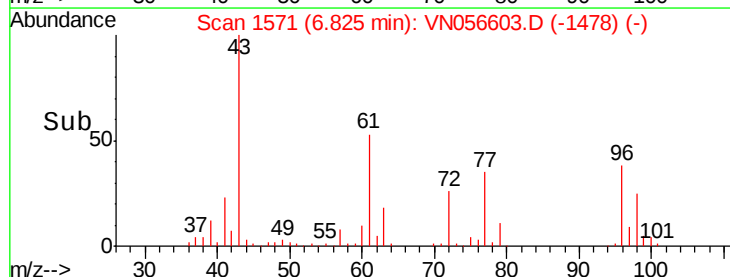
30000

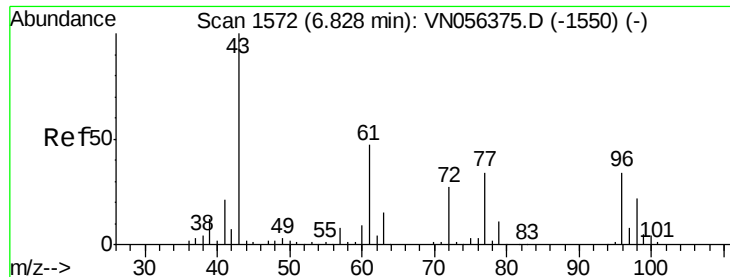
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.194 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

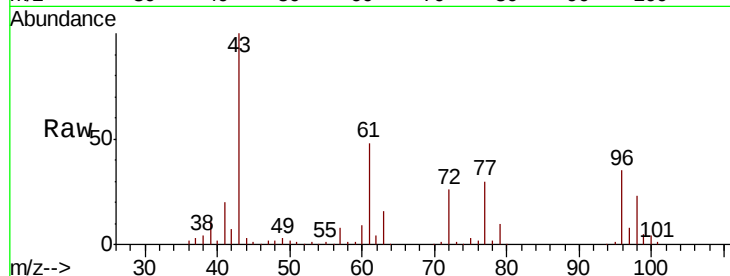
Tot Ion: 96 Resp: 159429

Ion Ratio Lower Upper

96 100

61 140.7 0.0 279.8

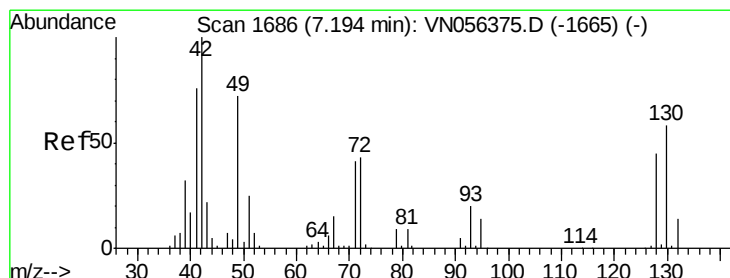
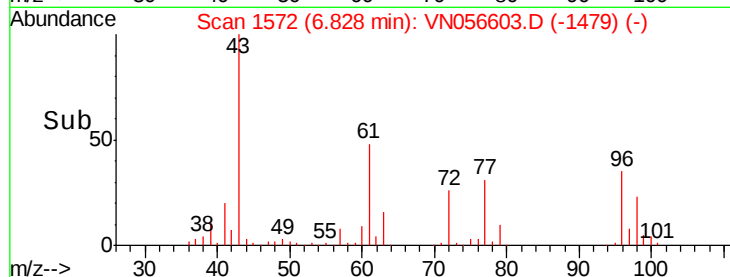
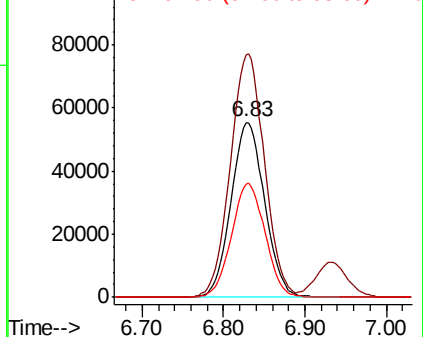
98 64.7 0.0 130.0



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: 51.731 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

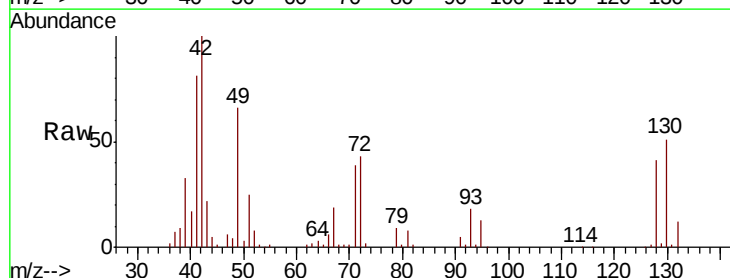
Tgt Ion: 49 Resp: 126775

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

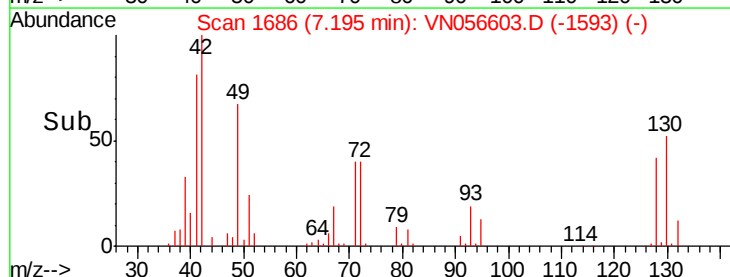
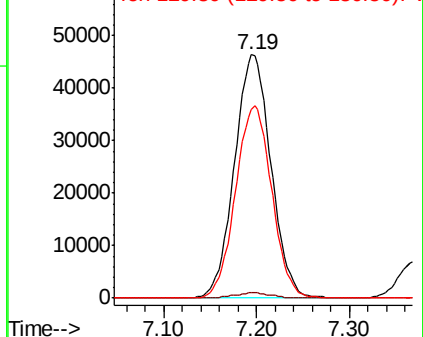
130 78.3 64.9 97.3

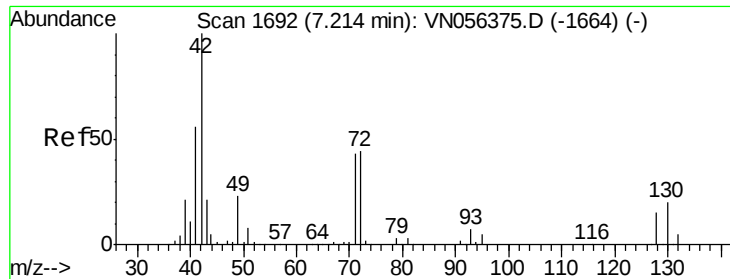


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

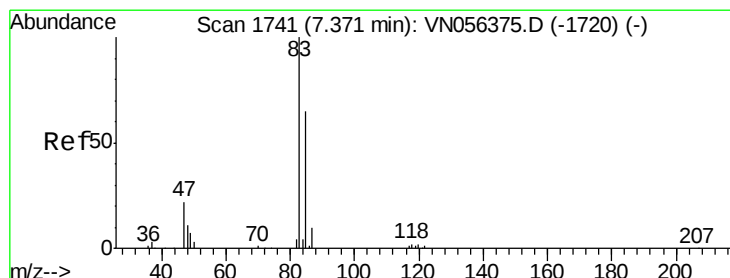
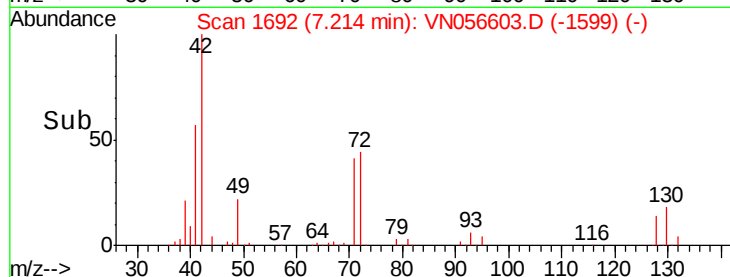
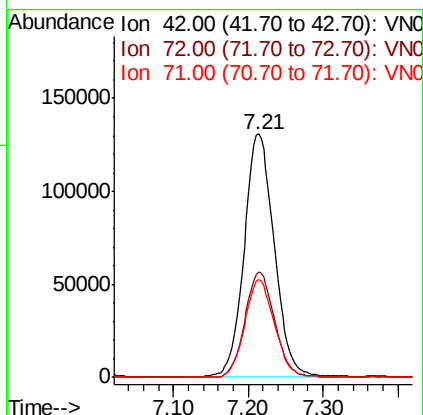
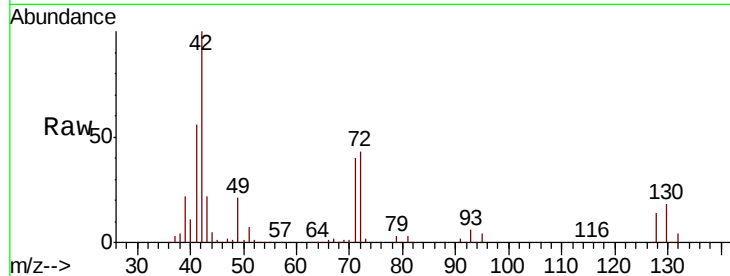




#29
Tetrahydrofuran
Concen: 292.869 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

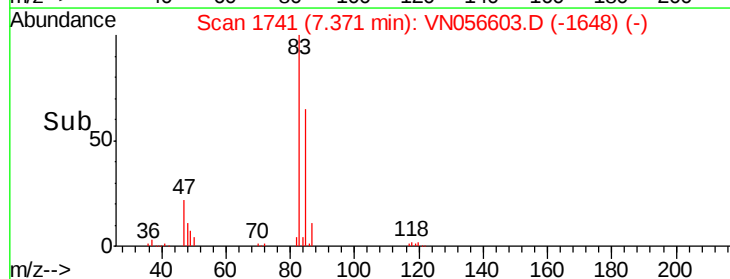
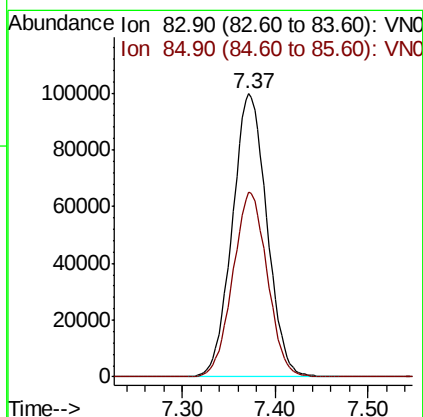
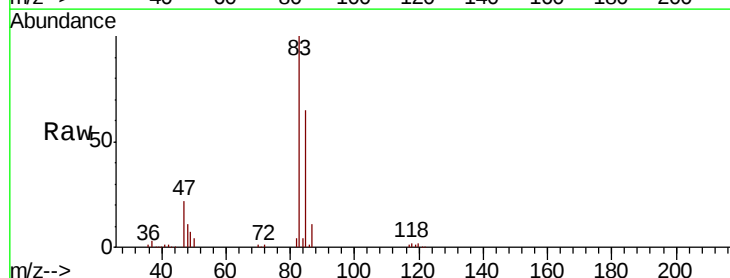
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

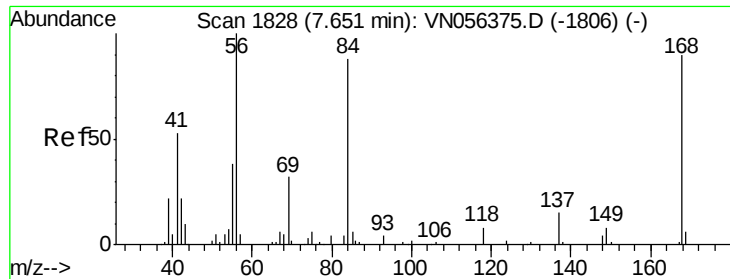
Tot Ion: 42 Resp: 367602
Ion Ratio Lower Upper
42 100
72 42.6 34.7 52.1
71 39.7 33.0 49.6



#30
Chloroform
Concen: 52.758 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion: 83 Resp: 257932
Ion Ratio Lower Upper
83 100
85 65.1 52.3 78.5

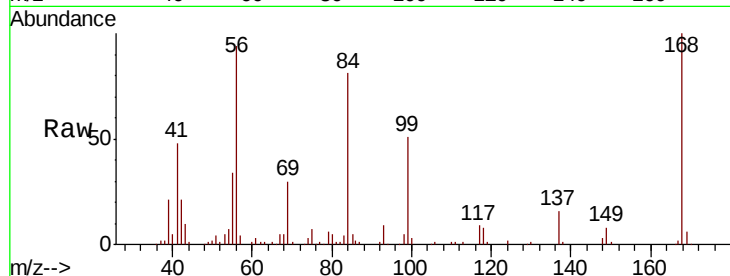




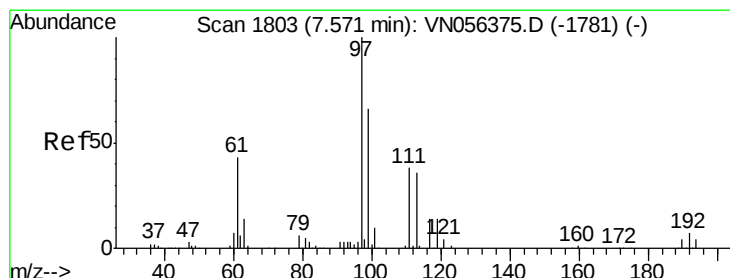
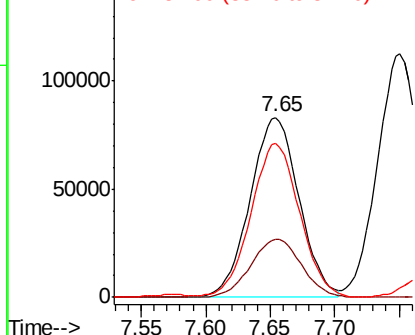
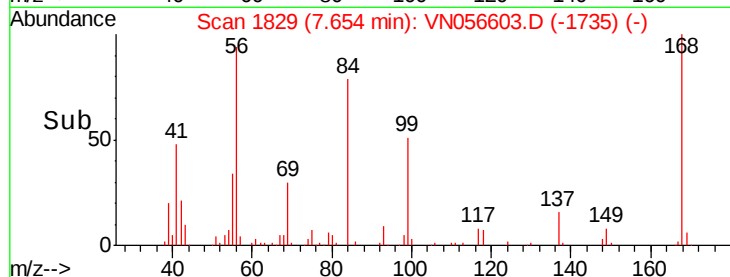
#31
Cyclohexane
Concen: 45.903 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 219562
Ion Ratio Lower Upper
56 100
69 32.1 25.8 38.6
84 84.9 69.4 104.0

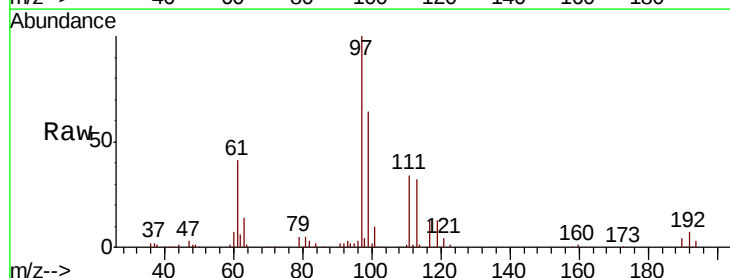


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

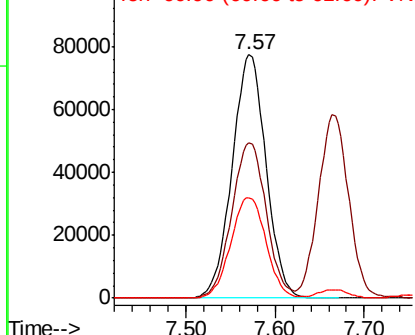
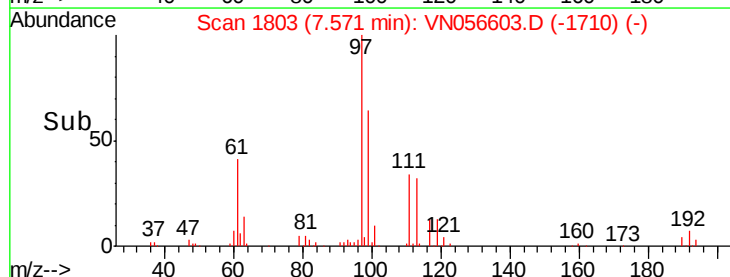


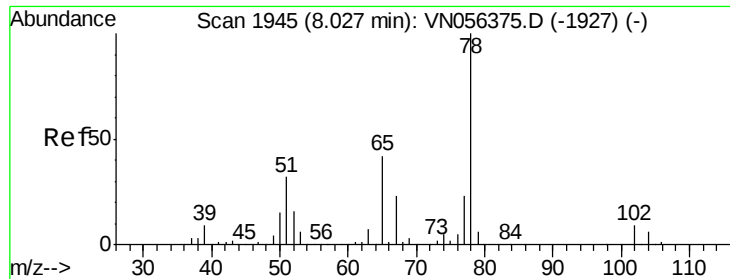
#32
1,1,1-Trichloroethane
Concen: 52.788 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion: 97 Resp: 204565
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.6
61 42.8 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

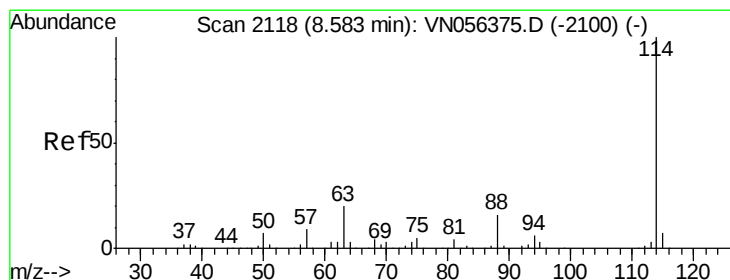
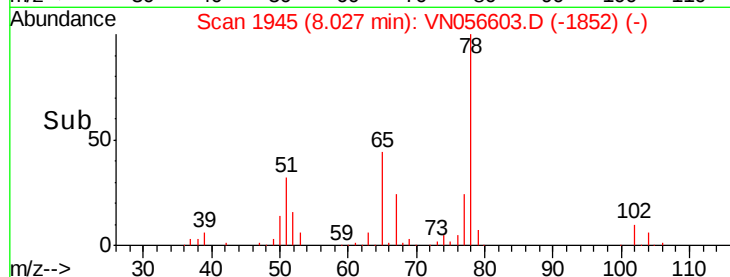
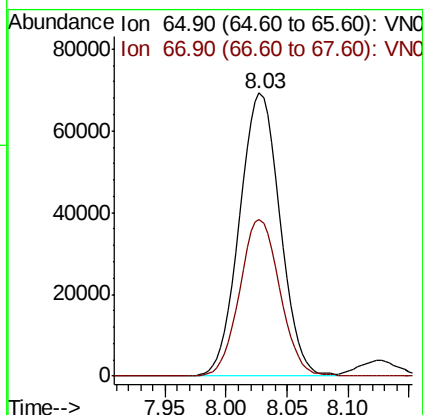
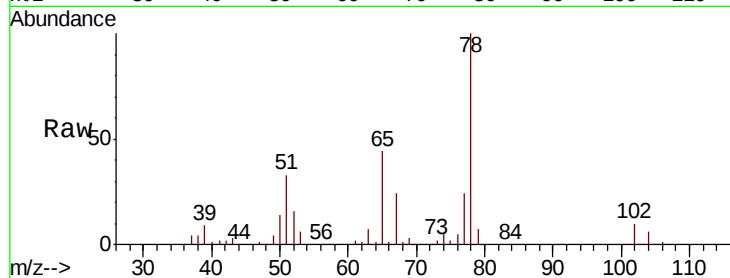




#33
 1,2-Dichloroethane-d4
 Concen: 51.425 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

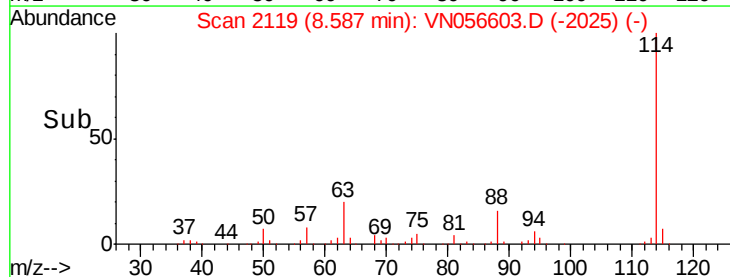
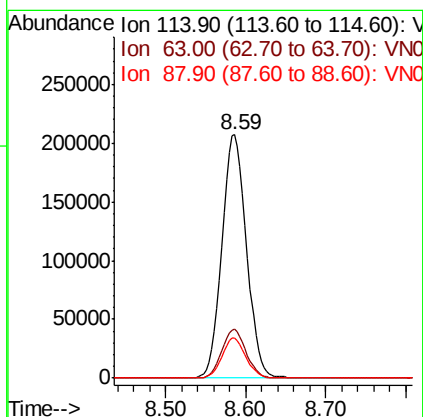
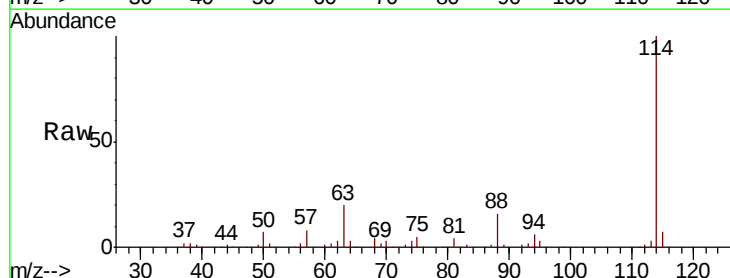
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

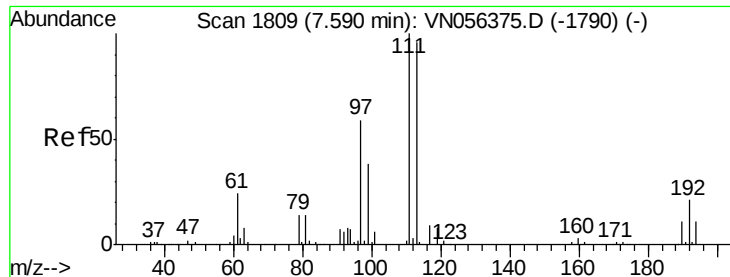
Tot Ion: 65 Resp: 159290
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Tgt Ion: 114 Resp: 437427
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.2
 88 16.4 0.0 31.4

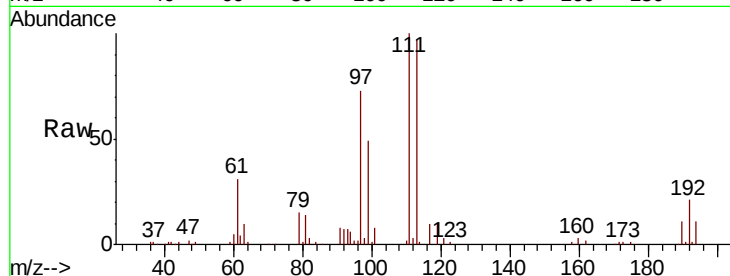




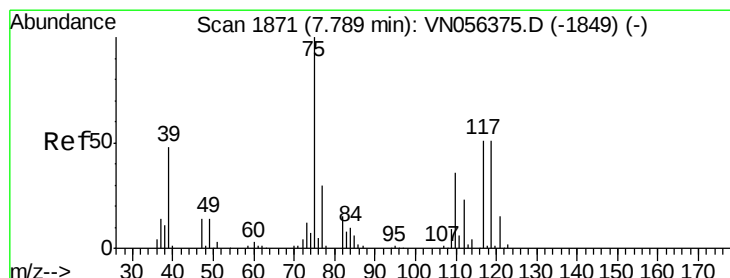
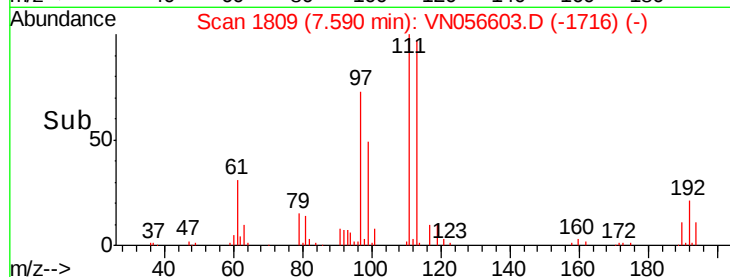
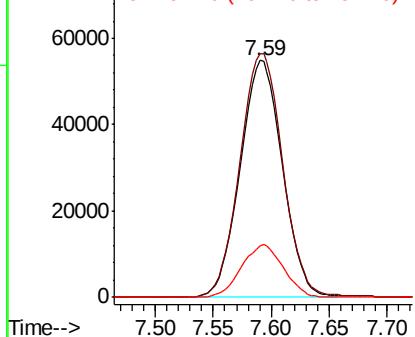
#35
 Dibromofluoromethane
 Concen: 50.904 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 138909
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.9 124.3
 192 22.2 17.7 26.5

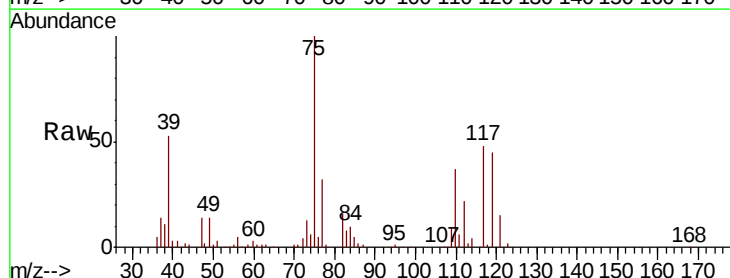


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

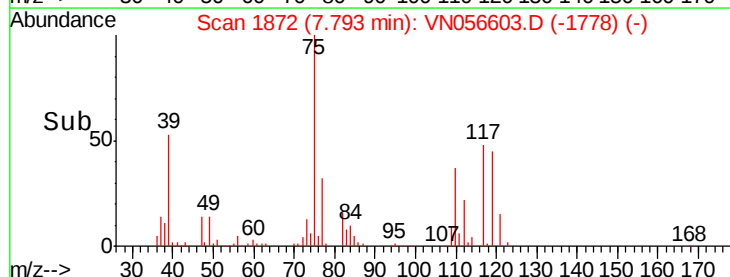
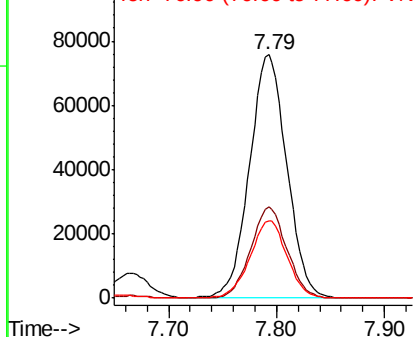


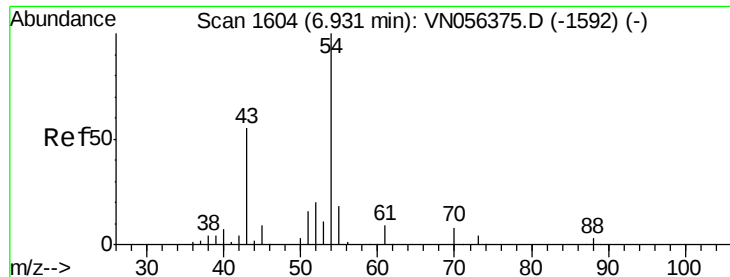
#36
 1,1-Dichloropropene
 Concen: 46.847 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Tgt Ion: 75 Resp: 180368
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.1 54.3
 77 31.7 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

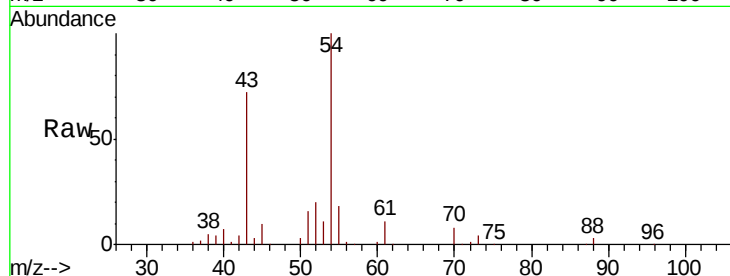




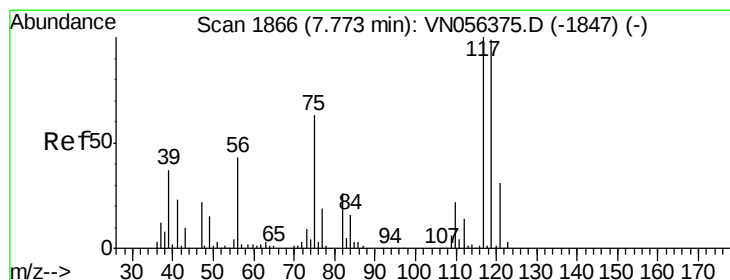
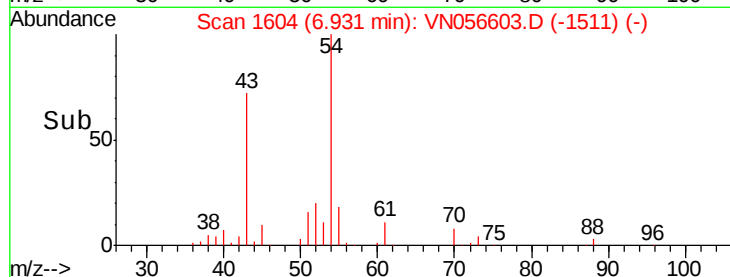
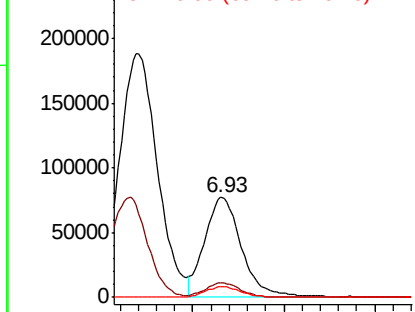
#37
Ethyl Acetate
Concen: 56.710 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 214573
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 10.7 8.3 12.5

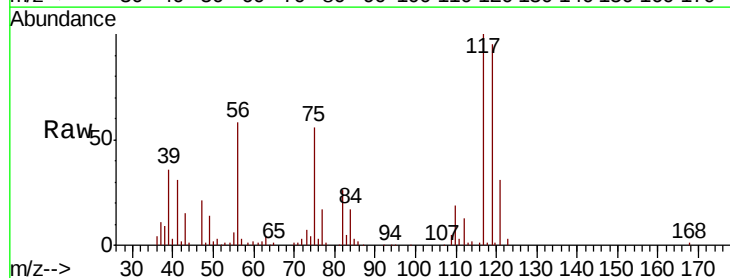


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

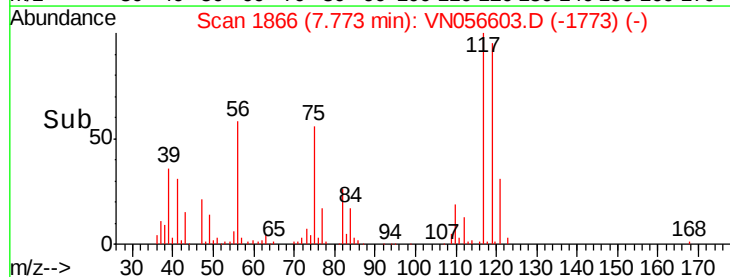
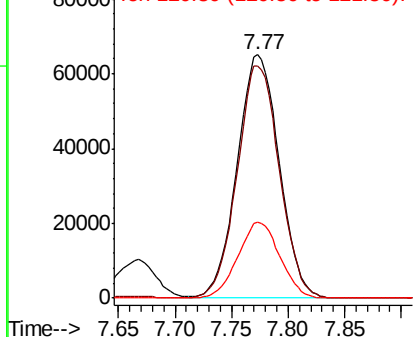


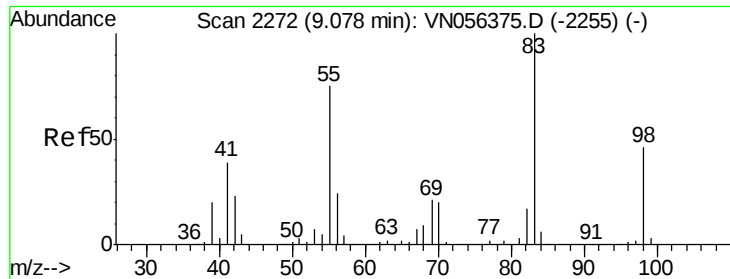
#38
Carbon Tetrachloride
Concen: 49.966 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion: 117 Resp: 168229
Ion Ratio Lower Upper
117 100
119 95.5 79.1 118.7
121 31.1 24.8 37.2



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

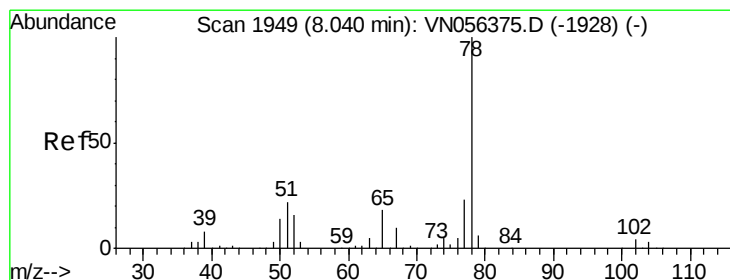
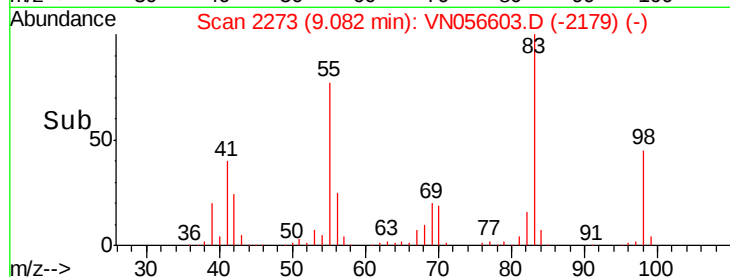
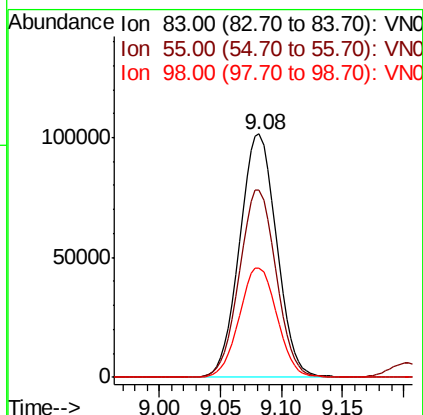
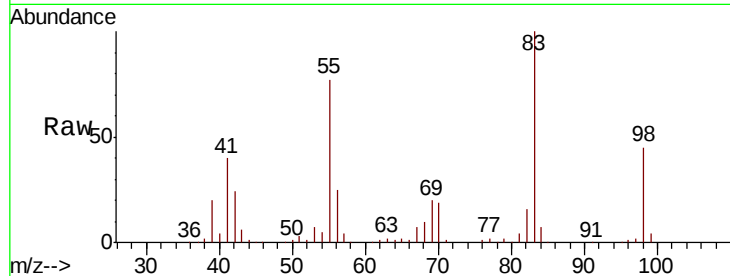




#39
Methvlcvclohexane
Concen: 44.894 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

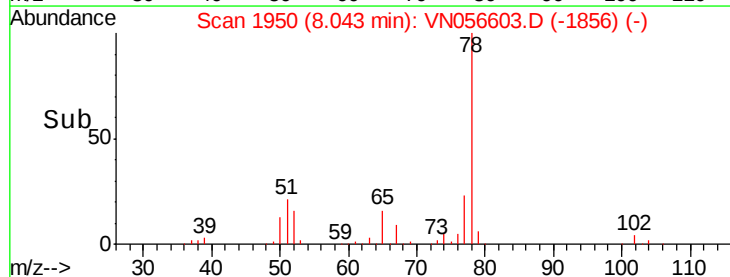
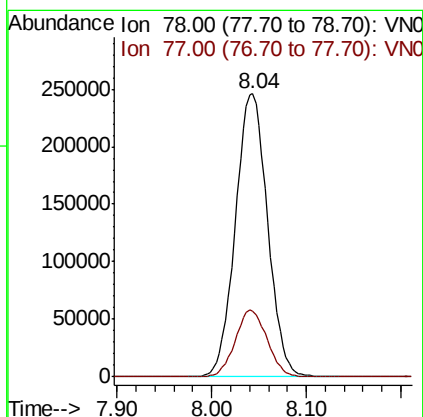
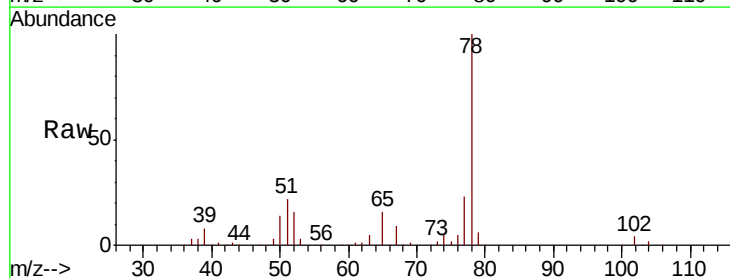
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

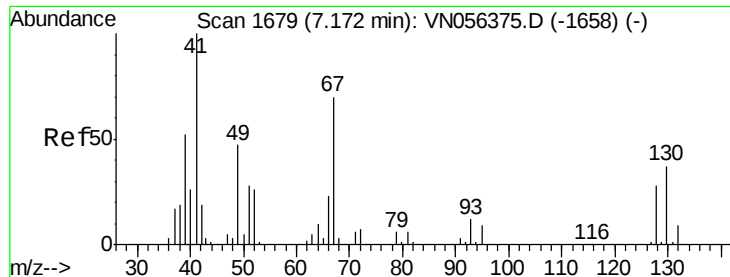
Tot Ion: 83 Resp: 213281
Ion Ratio Lower Upper
83 100
55 77.2 60.0 90.0
98 45.0 36.6 54.8



#40
Benzene
Concen: 49.050 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion: 78 Resp: 580902
Ion Ratio Lower Upper
78 100
77 23.3 18.3 27.5

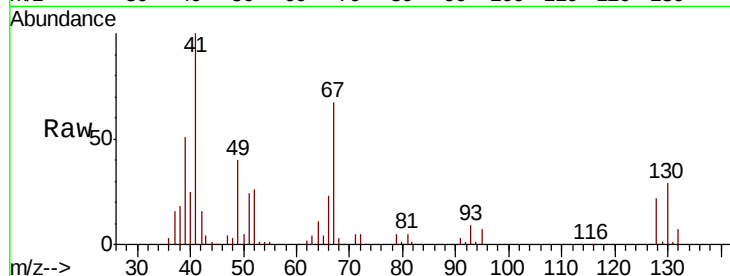




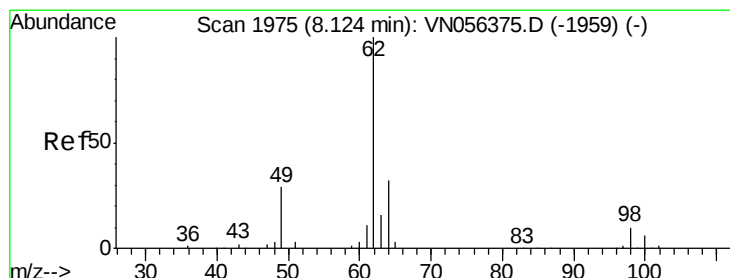
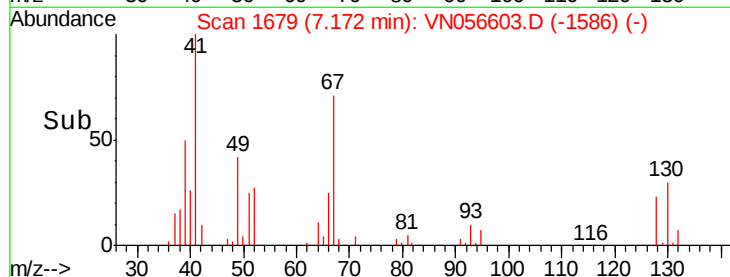
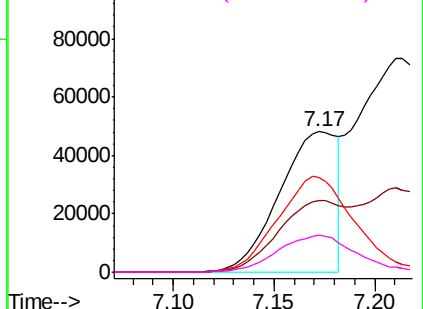
#41
Methacrylonitrile
Concen: 57.588 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 96218
Ion Ratio Lower Upper
41 100
39 60.8 55.3 82.9
67 90.3 79.2 118.8
52 36.1 31.4 47.0

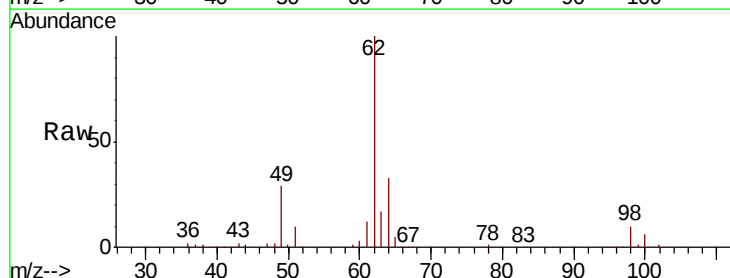


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

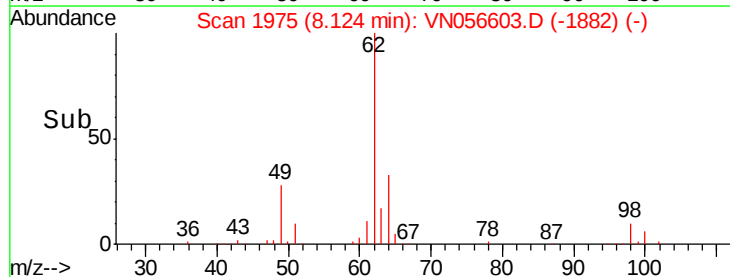
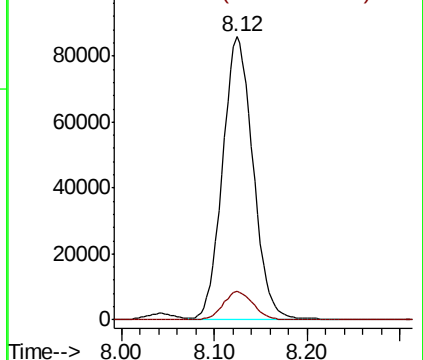


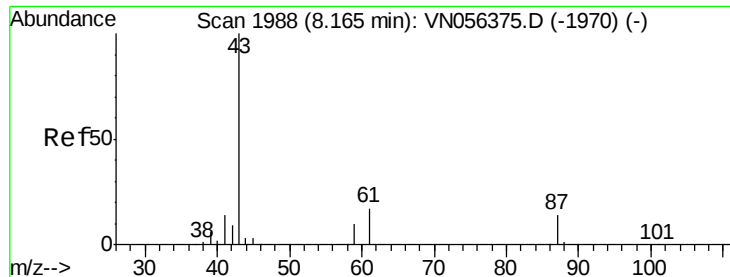
#42
1,2-Dichloroethane
Concen: 49.931 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion: 62 Resp: 195153
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 57.231 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

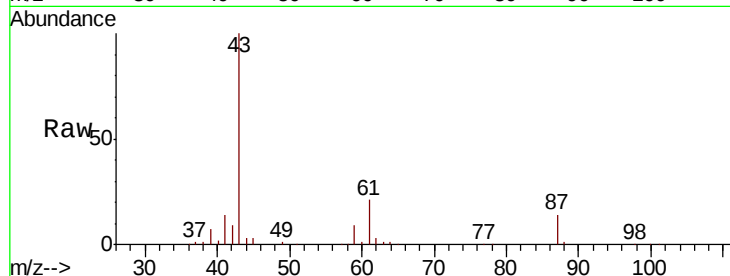
Tot Ion: 43 Resp: 333908

Ion Ratio Lower Upper

43 100

61 27.2 22.0 33.0

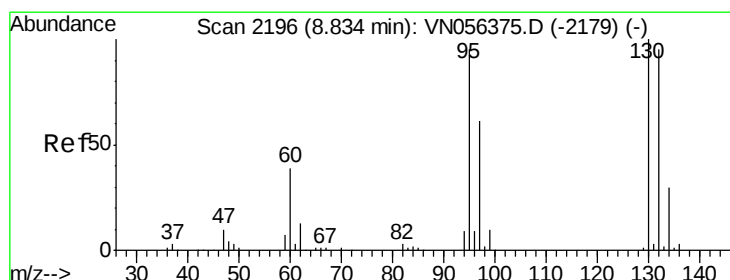
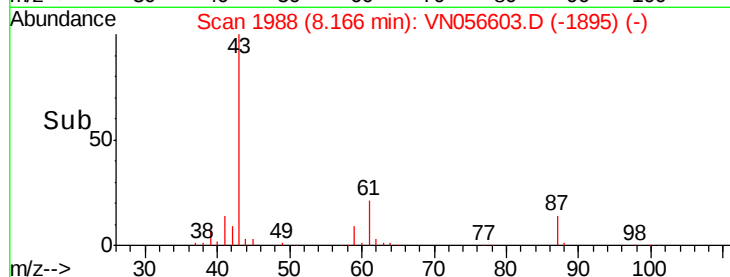
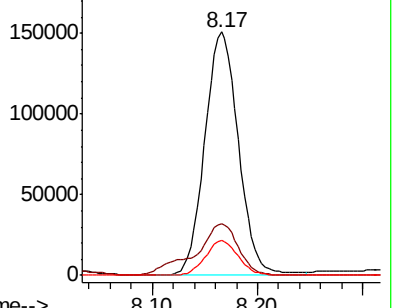
87 13.9 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056603.D (-1985) (-)

Ion 61.00 (60.70 to 61.70): VN056603.D (-1985) (-)

Ion 87.00 (86.70 to 87.70): VN056603.D (-1985) (-)



#44

Trichloroethene

Concen: 47.015 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056603.D

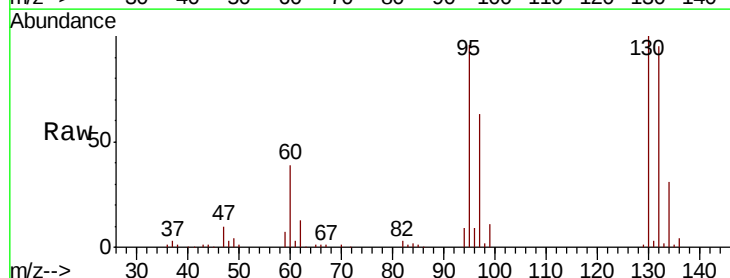
Acq: 3 Jul 2019 22:31

Tgt Ion: 130 Resp: 149989

Ion Ratio Lower Upper

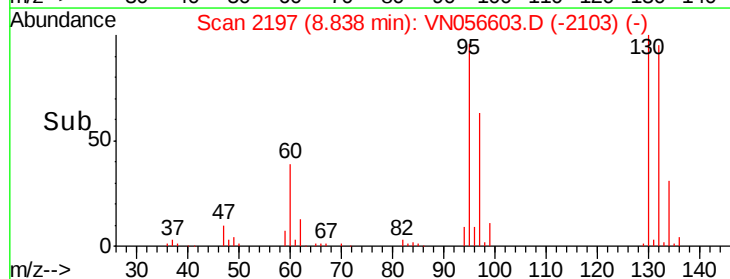
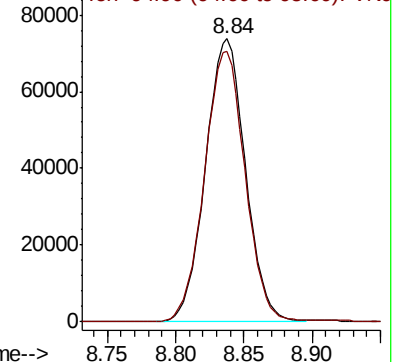
130 100

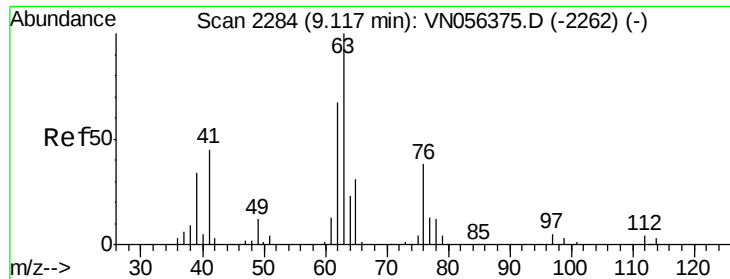
95 95.7 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN056603.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN056603.D (-2103) (-)

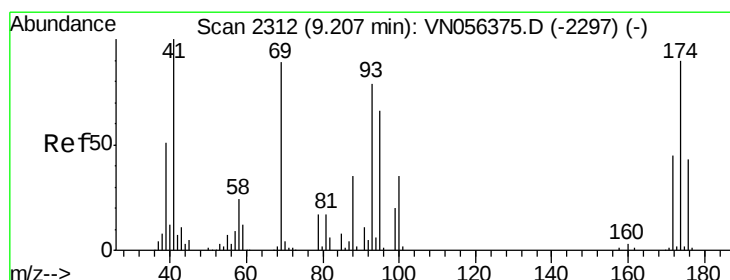
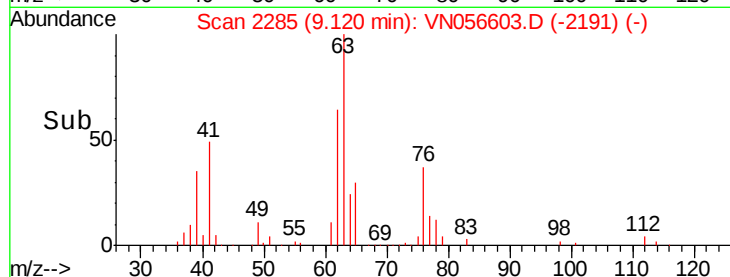
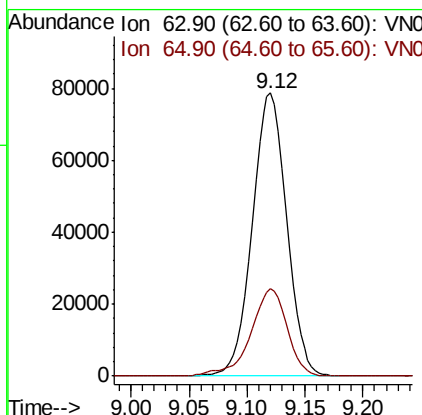
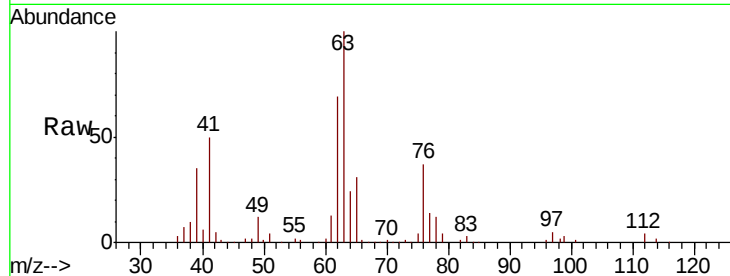




#45
 1,2-Dichloropropane
 Concen: 51.431 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

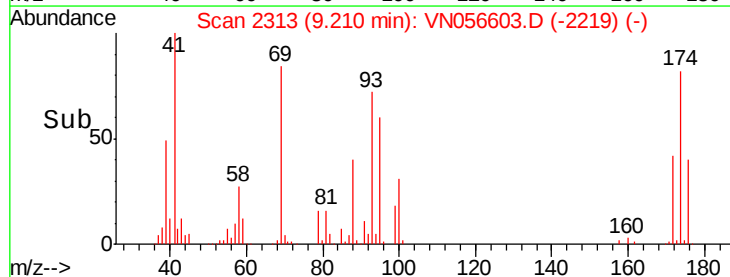
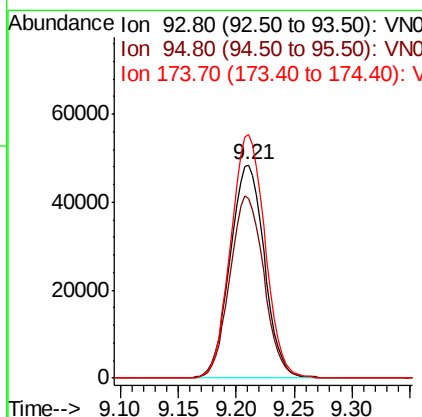
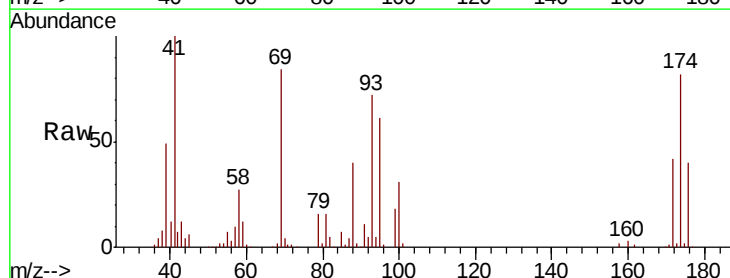
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 162894
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6



#46
 Dibromomethane
 Concen: 50.180 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Tgt Ion: 93 Resp: 99434
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.2 99.2
 174 114.2 90.8 136.2





#47

Bromodichloromethane

Concen: 54.092 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

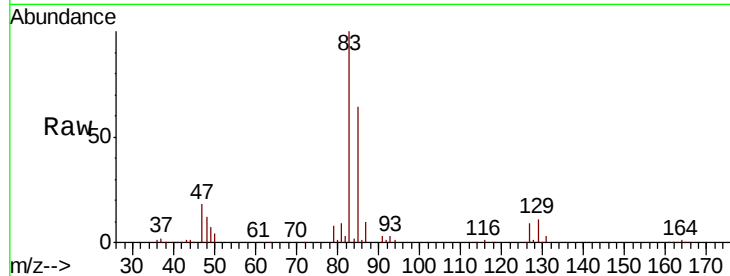
Tot Ion: 83 Resp: 190103

Ion Ratio Lower Upper

83 100

85 64.2 52.2 78.4

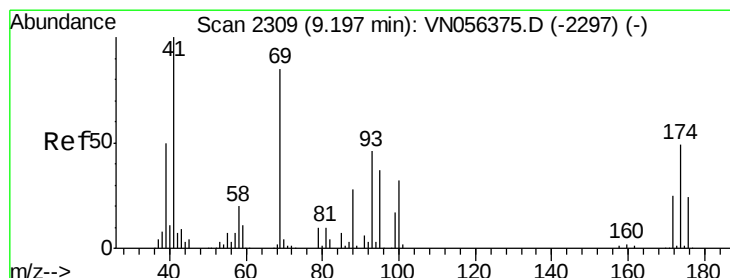
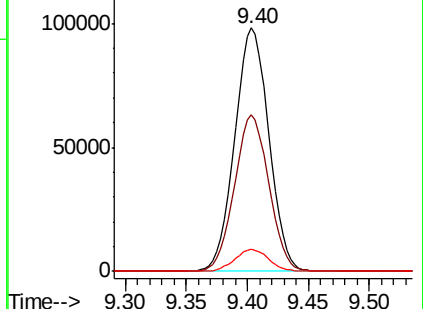
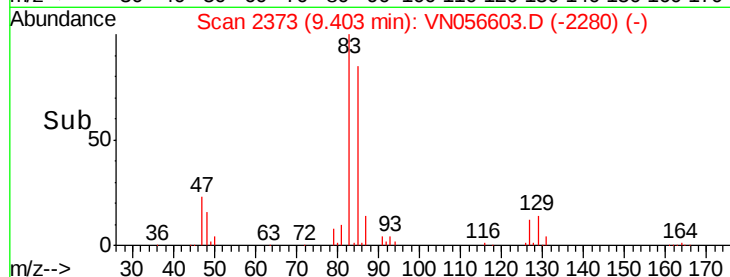
127 8.9 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN056603.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056603.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056603.D (-2280) (-)



#48

Methyl methacrylate

Concen: 56.171 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

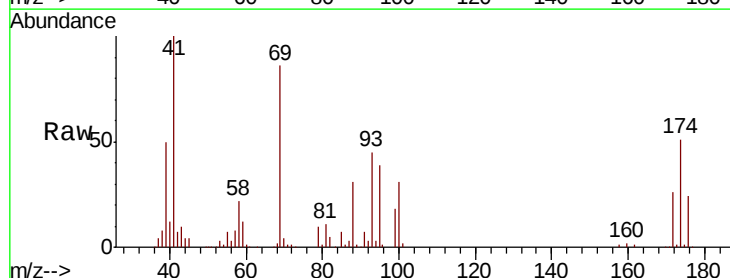
Tgt Ion: 41 Resp: 164227

Ion Ratio Lower Upper

41 100

69 88.3 72.6 109.0

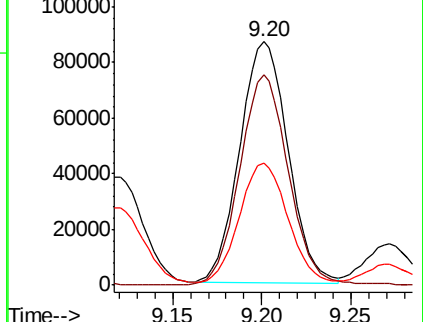
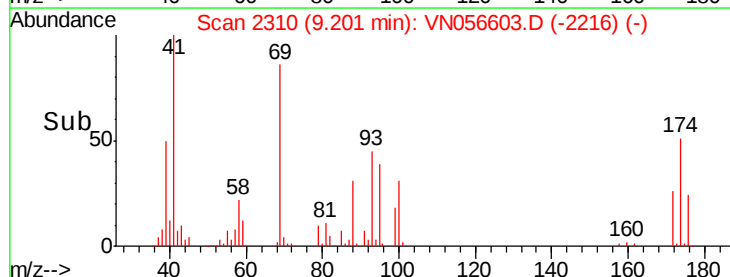
39 51.2 42.6 63.8

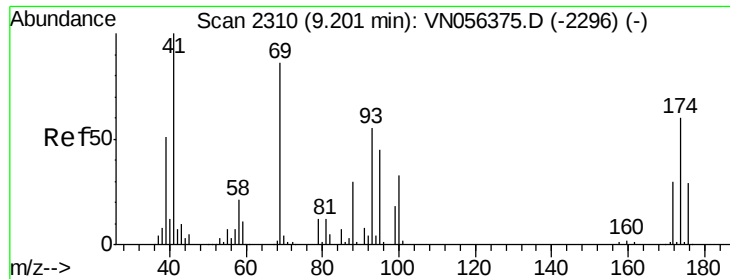


Abundance Ion 41.00 (40.70 to 41.70): VN056603.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056603.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056603.D (-2216) (-)

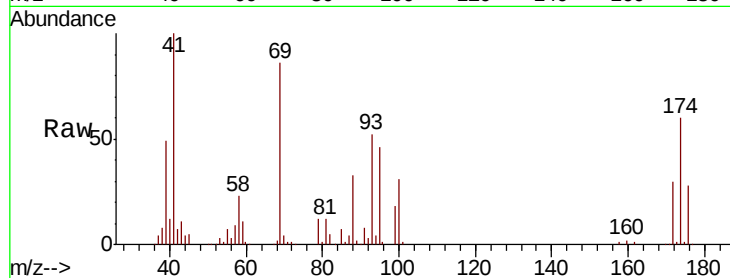




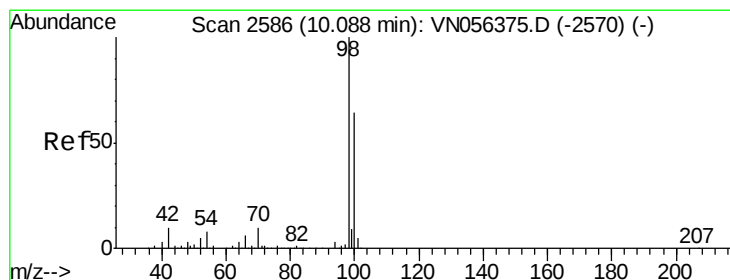
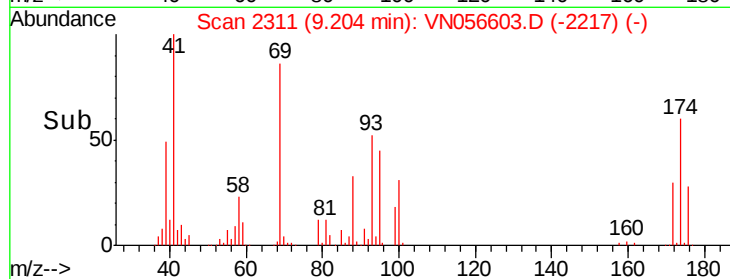
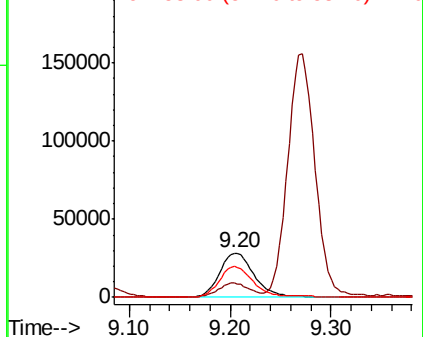
#49
 1,4-Dioxane
 Concen: 1118.578 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 67868
 Ion Ratio Lower Upper
 88 100
 43 27.2 22.0 33.0
 58 67.9 51.8 77.8

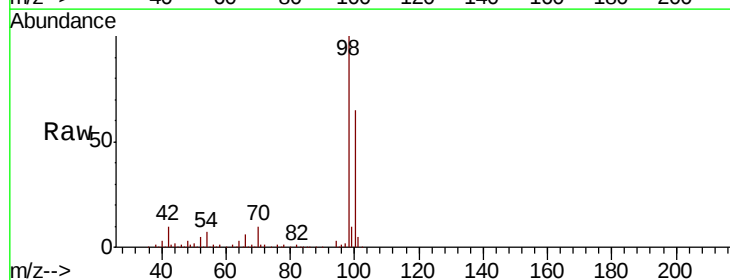


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

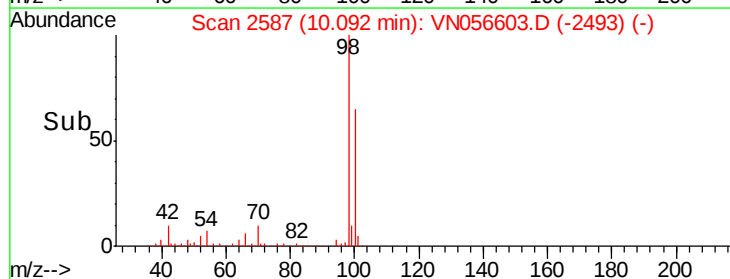
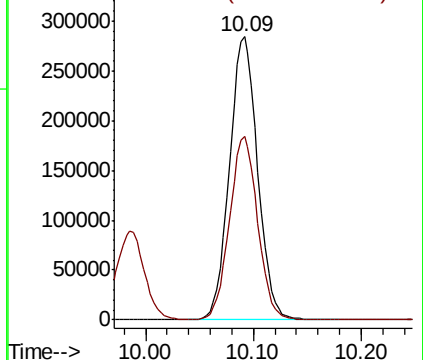


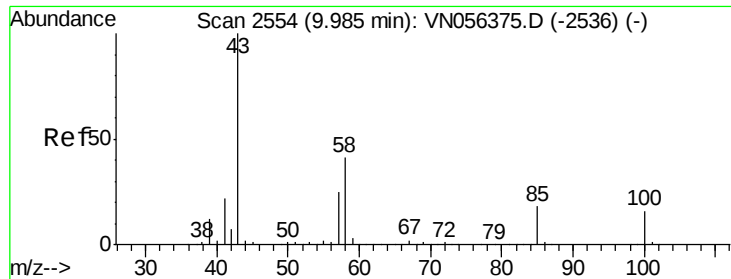
#50
 Toluene-d8
 Concen: 48.663 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Tgt Ion: 98 Resp: 516708
 Ion Ratio Lower Upper
 98 100
 100 64.5 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 291.012 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

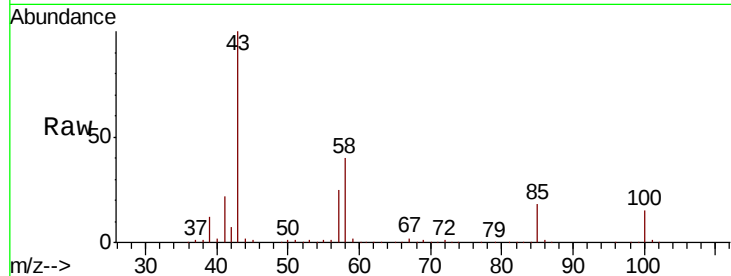
VSTDCCC050EC

Tot Ion: 43 Resp: 1095867

Ion Ratio Lower Upper

43 100

58 39.9 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

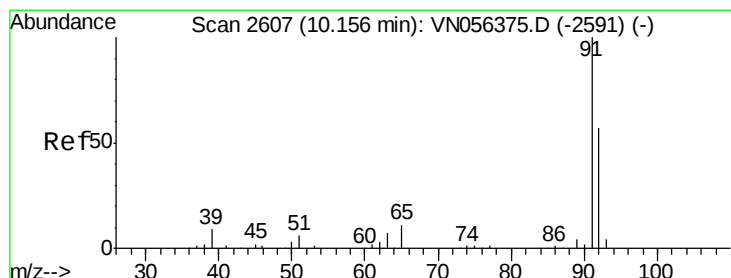
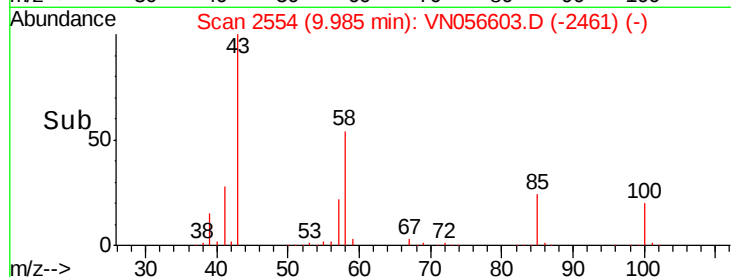
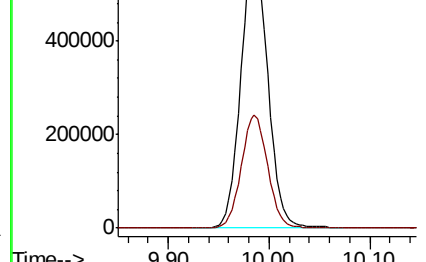
Ion 58.00 (57.70 to 58.70): VN0

600000

400000

200000

0



#52

Toluene

Concen: 49.699 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056603.D

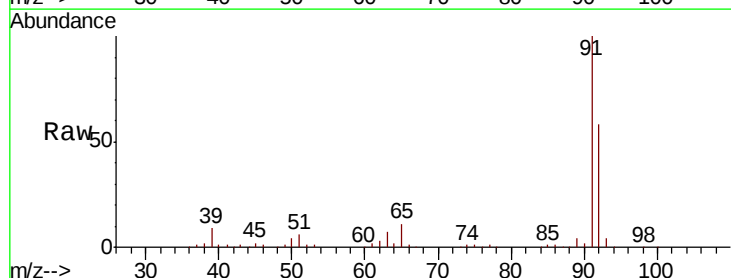
Acq: 3 Jul 2019 22:31

Tgt Ion: 92 Resp: 359846

Ion Ratio Lower Upper

92 100

91 172.9 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

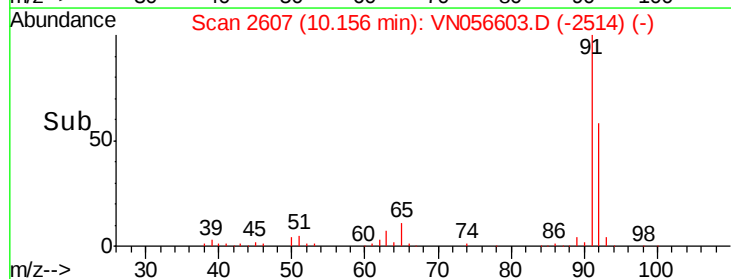
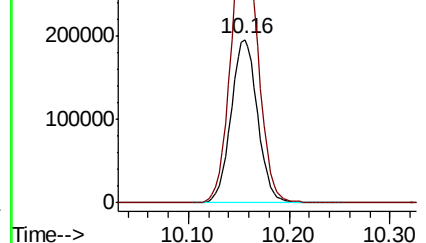
400000

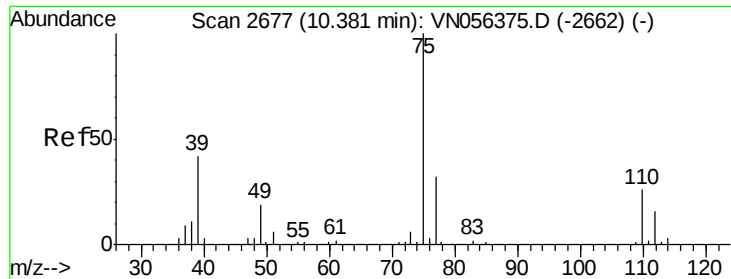
300000

200000

100000

0

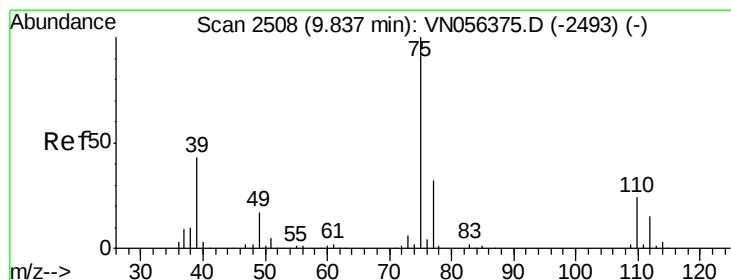
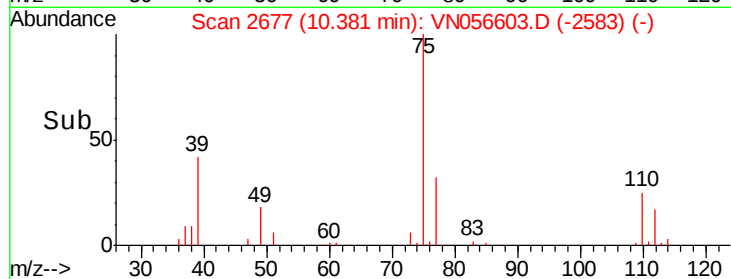
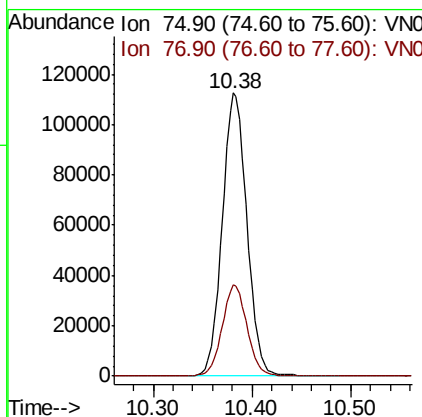
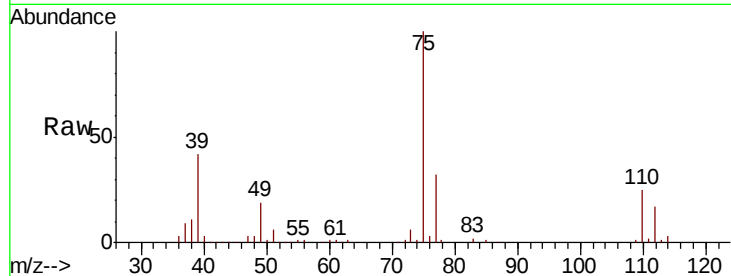




#53
 t-1,3-Dichloropropene
 Concen: 48.398 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

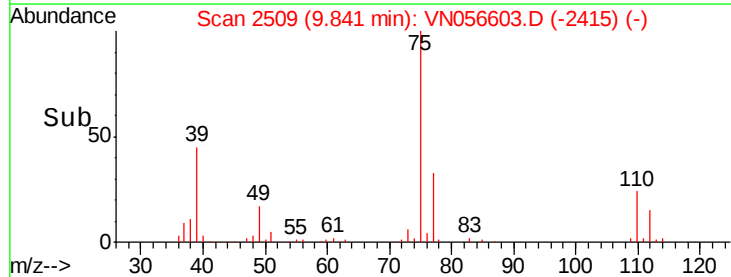
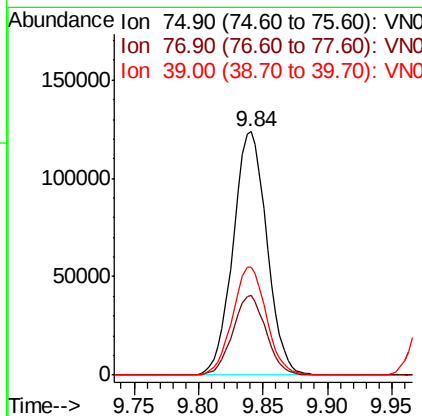
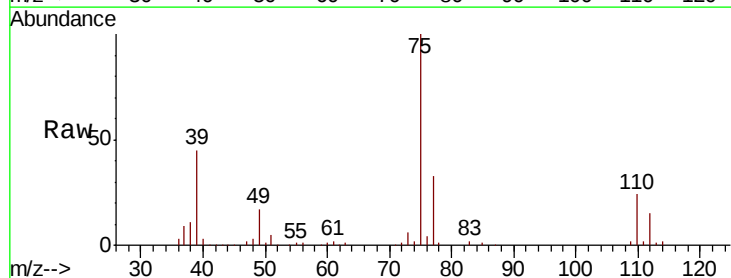
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

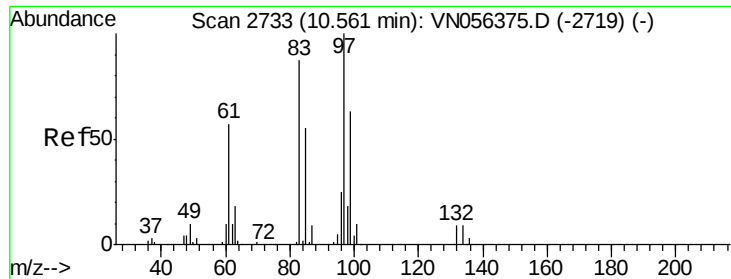
Tot Ion: 75 Resp: 197703
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 53.391 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Tgt Ion: 75 Resp: 225962
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.2 37.8
 39 44.5 34.2 51.4

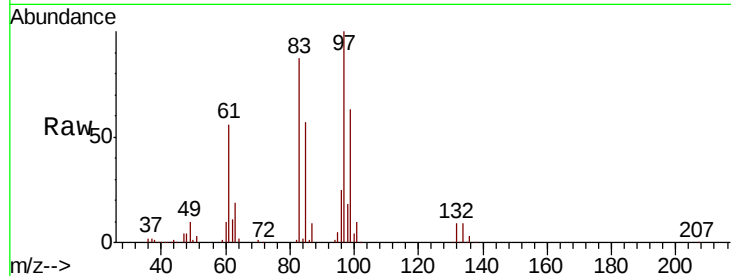




#55
 1,1,2-Trichloroethane
 Concen: 52.394 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	152487
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.8	104.6
85	57.3	43.8	65.8
99	63.0	50.2	75.2



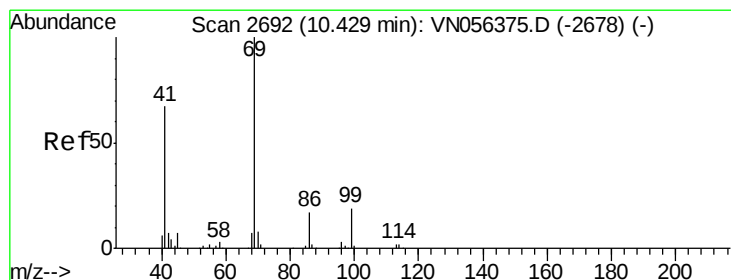
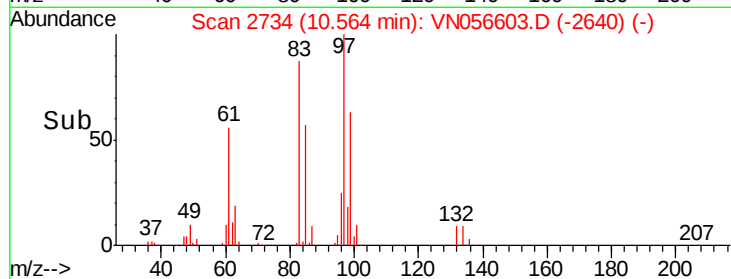
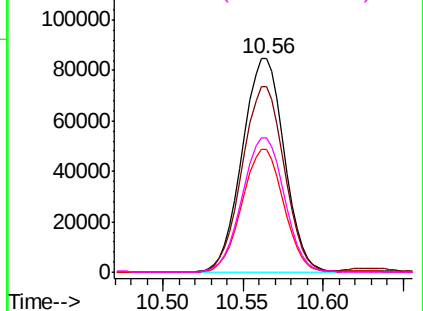
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

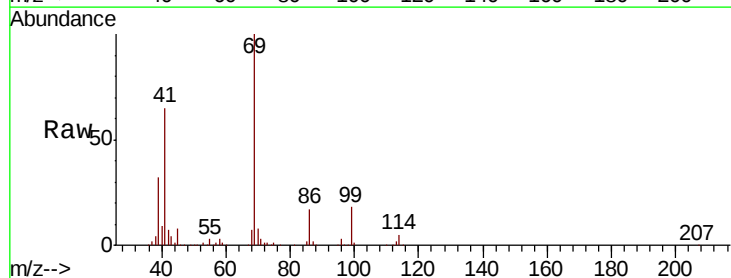
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 56.141 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Tgt Ion:	69	Resp:	238788
Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.4	77.2
39	31.0	24.7	37.1

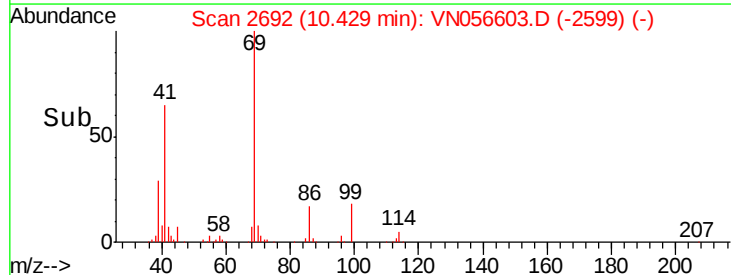
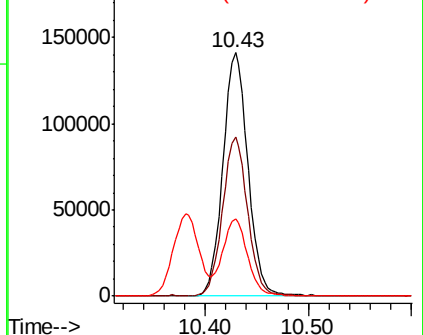


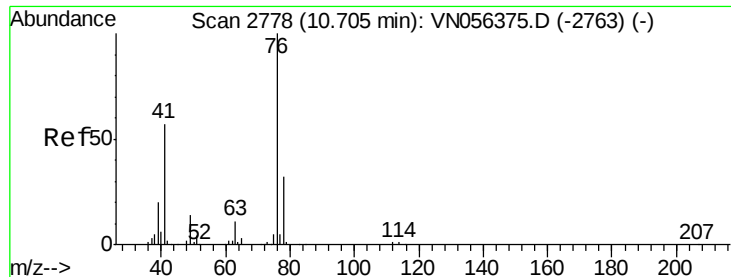
Abundance

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: 52.396 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

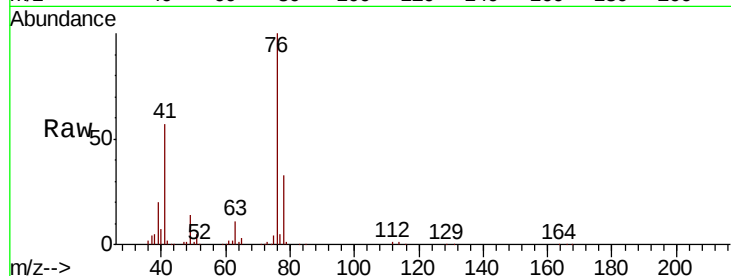
VSTDCCC050EC

Tot Ion: 76 Resp: 256182

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

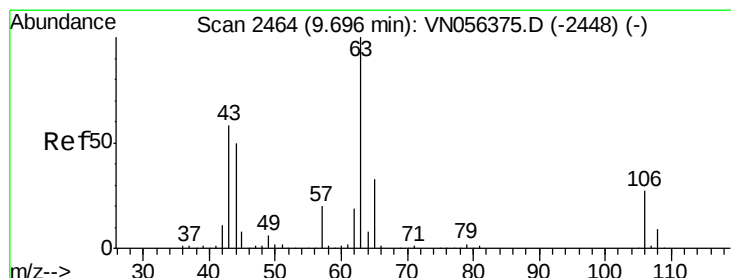
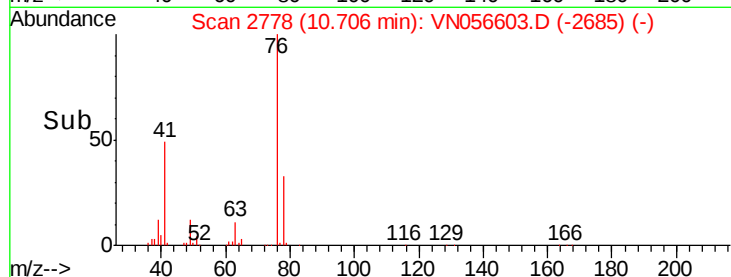
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 391.764 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056603.D

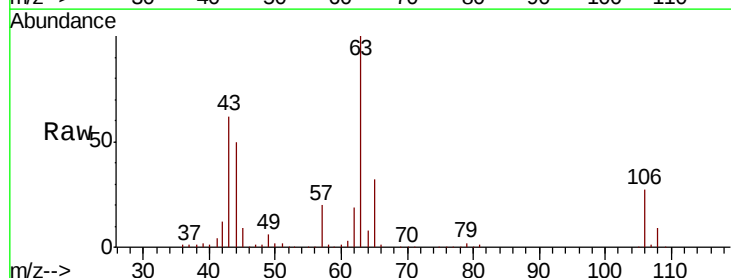
Acq: 3 Jul 2019 22:31

Tgt Ion: 63 Resp: 598623

Ion Ratio Lower Upper

63 100

106 26.4 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

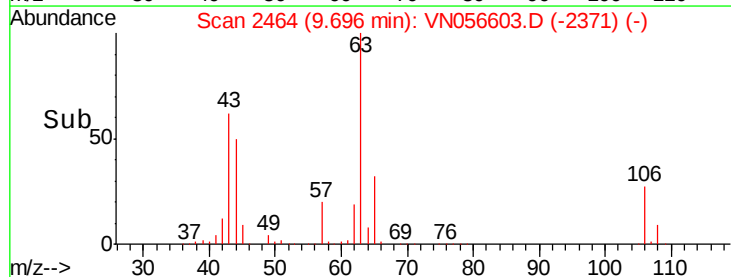
300000

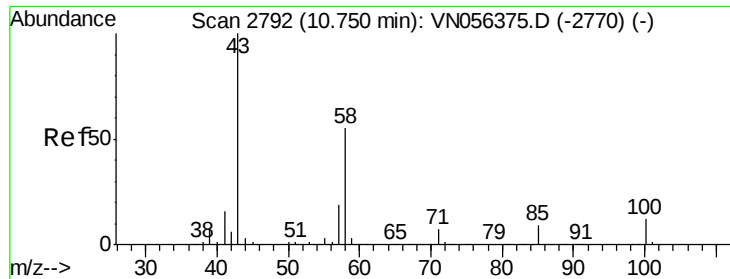
200000

100000

0

Time--> 9.60 9.70 9.80

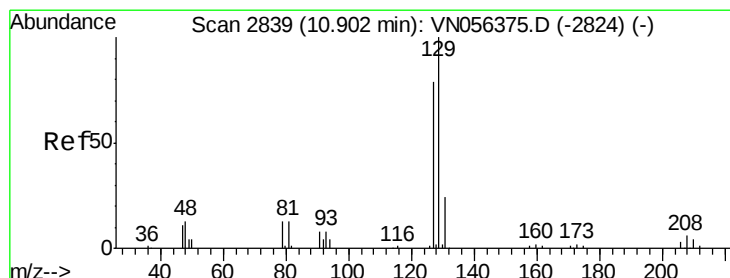
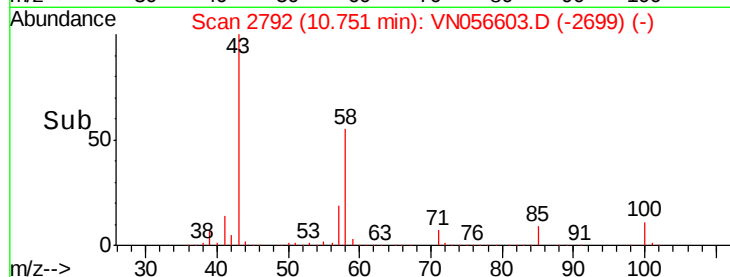
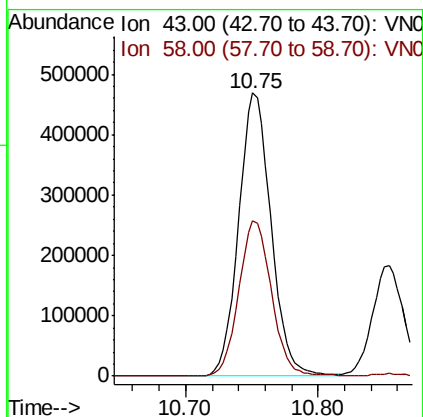
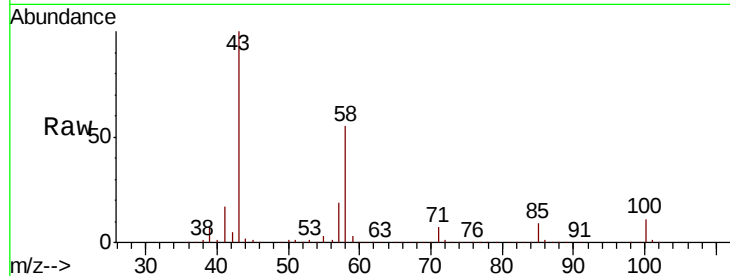




#59
2-Hexanone
Concen: 287.229 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

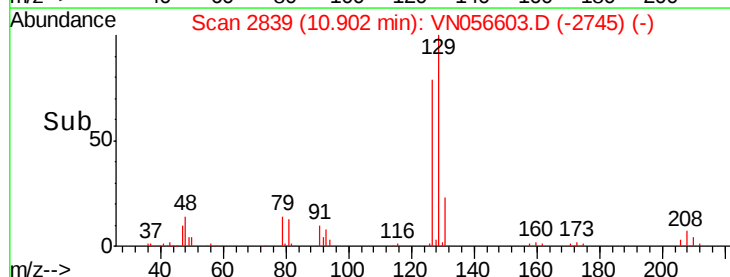
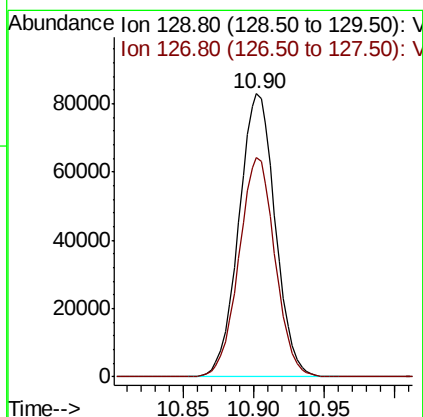
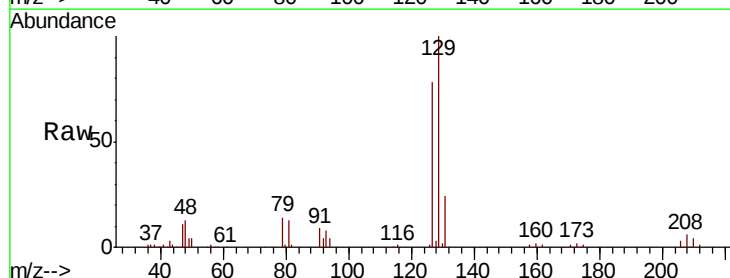
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

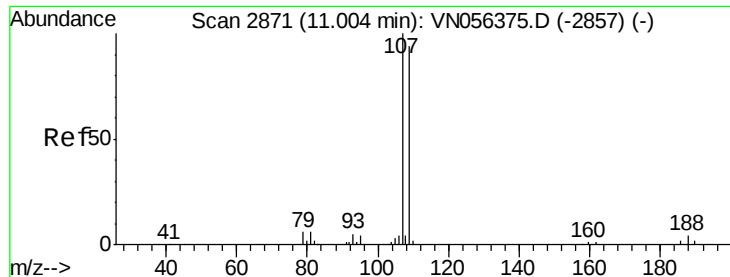
Tot Ion: 43 Resp: 794955
Ion Ratio Lower Upper
43 100
58 55.7 27.8 83.4



#60
Dibromochloromethane
Concen: 50.059 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion: 129 Resp: 149762
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 52.464 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

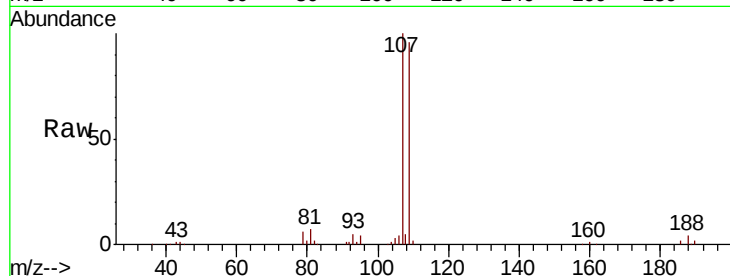
VSTDCCC050EC

Tot Ion: 107 Resp: 155949

Ion Ratio Lower Upper

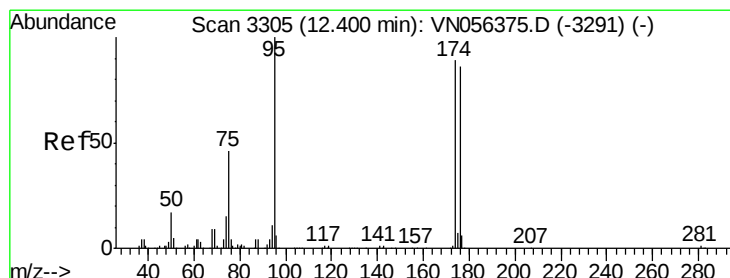
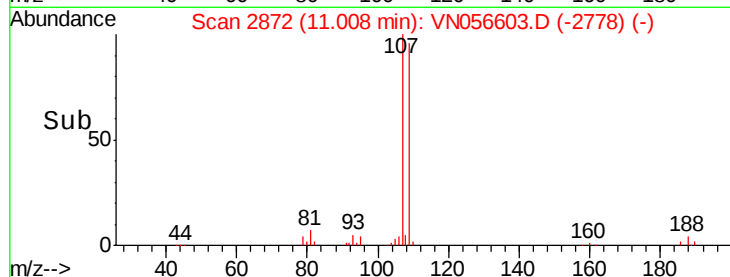
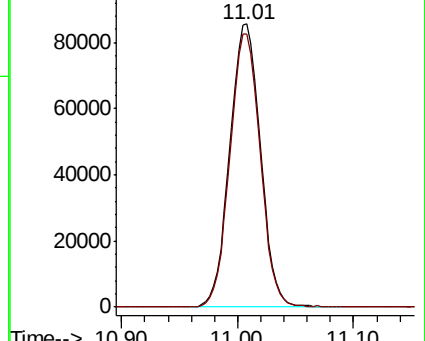
107 100

109 95.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.924 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

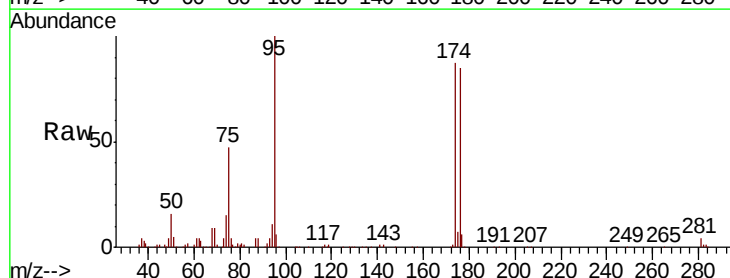
Tgt Ion: 95 Resp: 183791

Ion Ratio Lower Upper

95 100

174 88.7 0.0 179.4

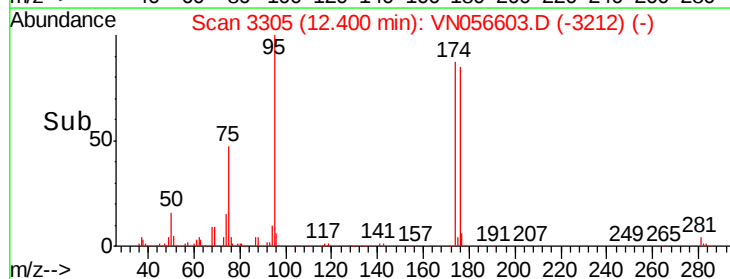
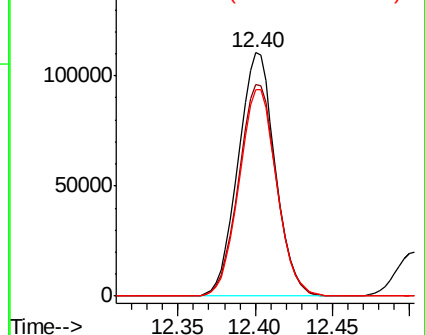
176 86.3 0.0 173.4

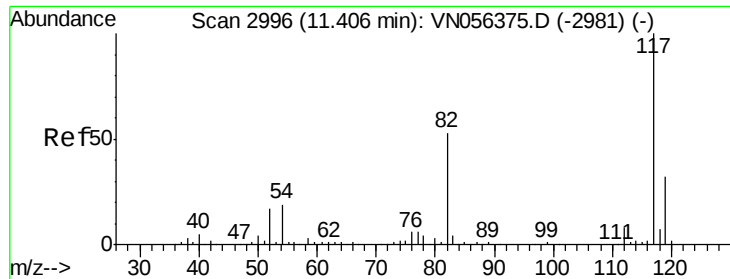


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

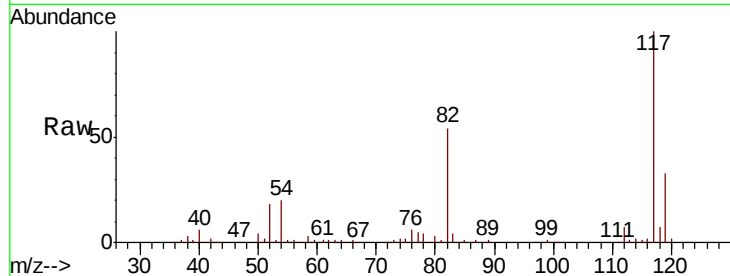




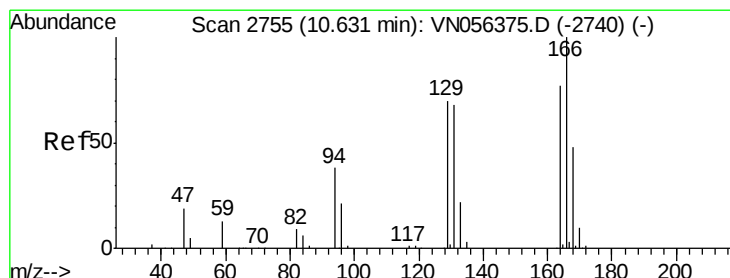
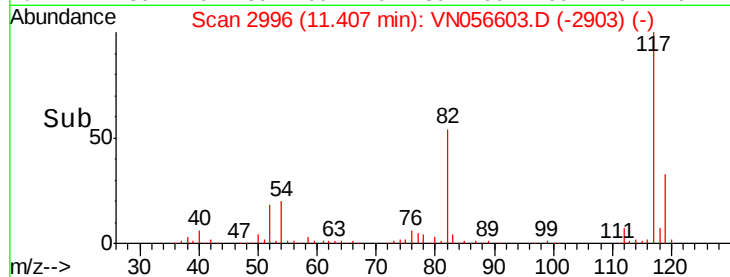
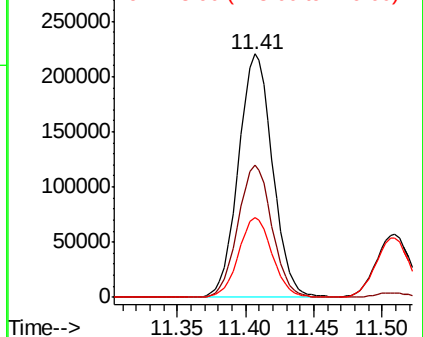
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 383476
Ion Ratio Lower Upper
117 100
82 54.1 42.0 63.0
119 32.6 25.3 37.9

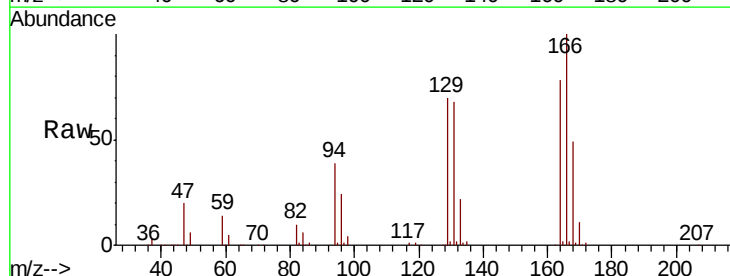


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

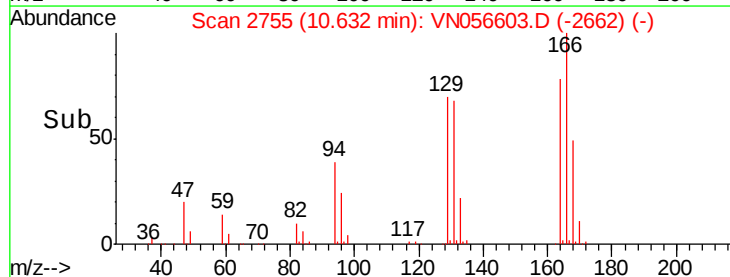
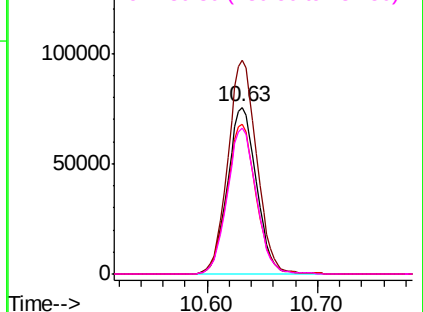


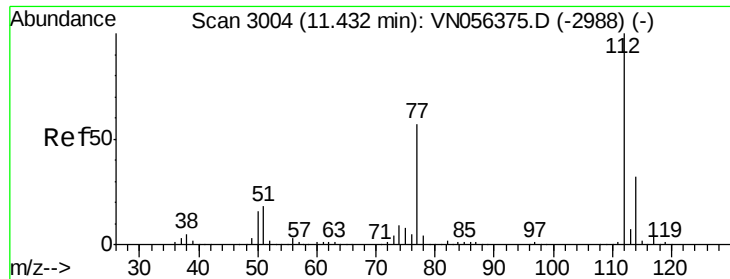
#64
Tetrachloroethene
Concen: 45.488 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion:164 Resp: 138140
Ion Ratio Lower Upper
164 100
166 127.9 103.4 155.0
129 89.5 72.0 108.0
131 87.3 70.2 105.2



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

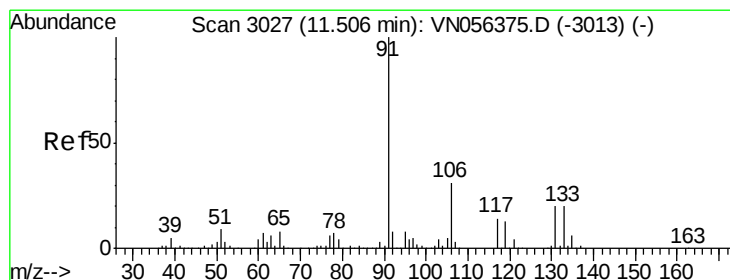
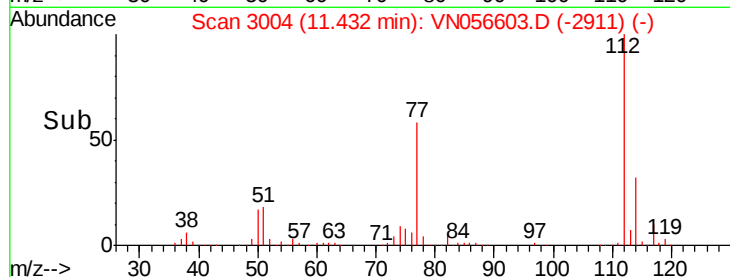
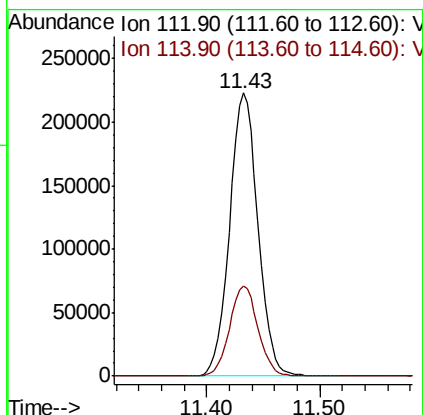
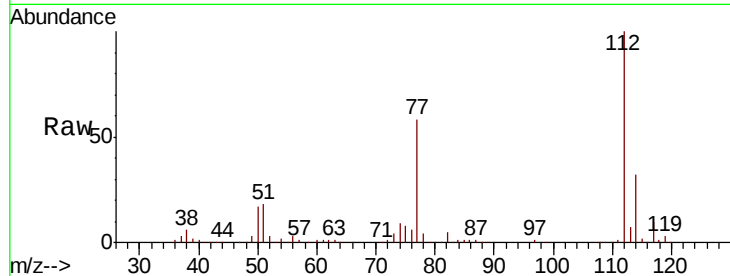




#65
Chlorobenzene
Concen: 50.240 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

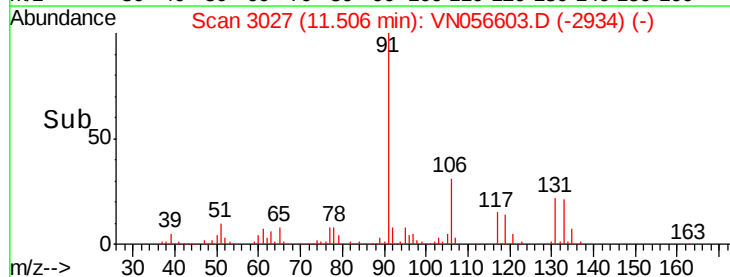
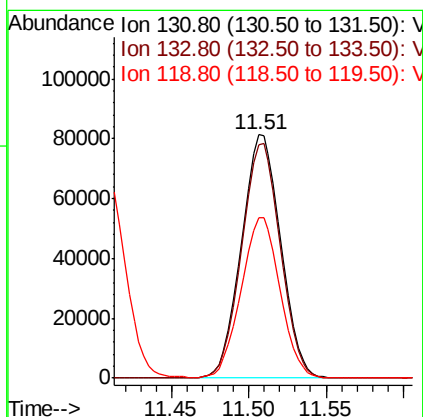
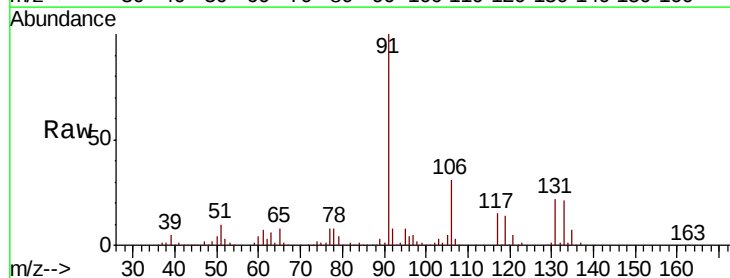
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

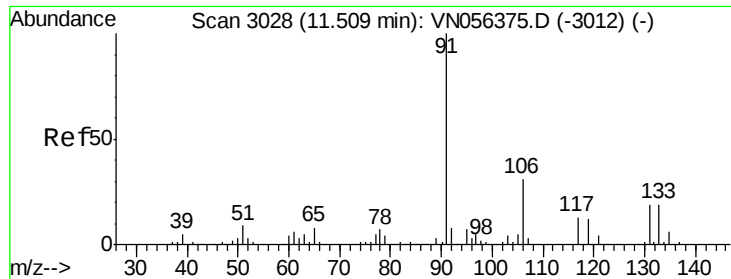
Tot Ion:112 Resp: 387121
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.295 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion:131 Resp: 144003
Ion Ratio Lower Upper
131 100
133 95.4 47.4 142.2
119 65.4 32.8 98.4

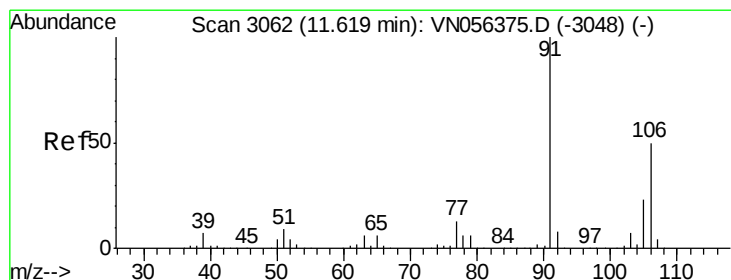
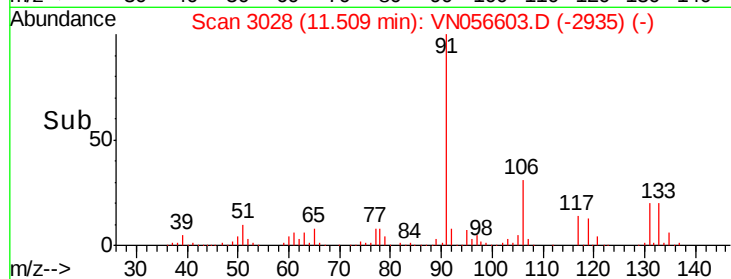
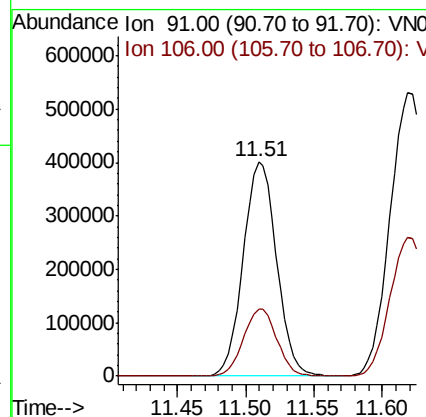
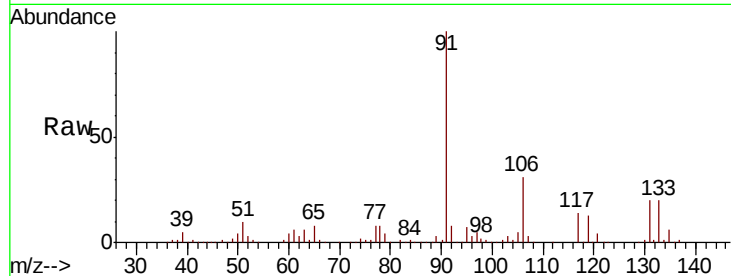




#67
Ethyl Benzene
Concen: 50.415 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

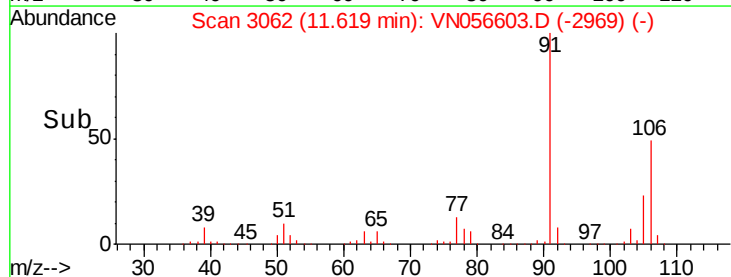
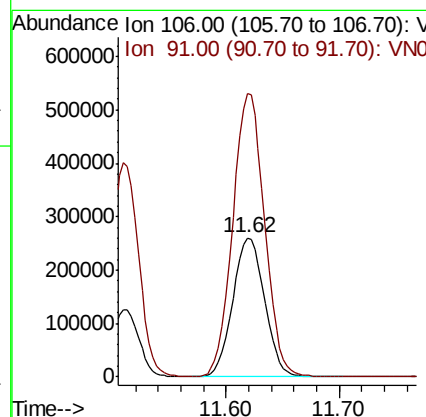
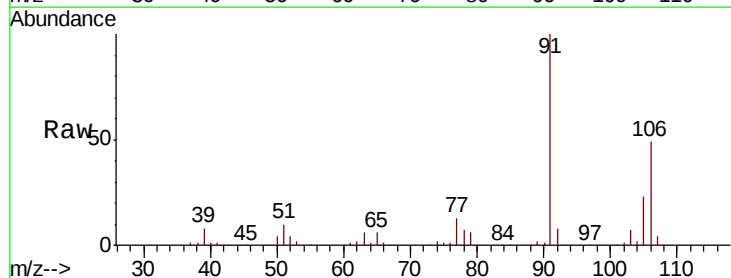
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

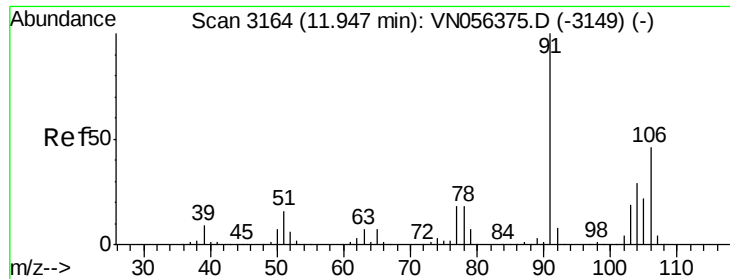
Tot Ion: 91 Resp: 682095
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7



#68
m/p-Xylenes
Concen: 102.943 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion: 106 Resp: 510424
Ion Ratio Lower Upper
106 100
91 203.0 160.1 240.1

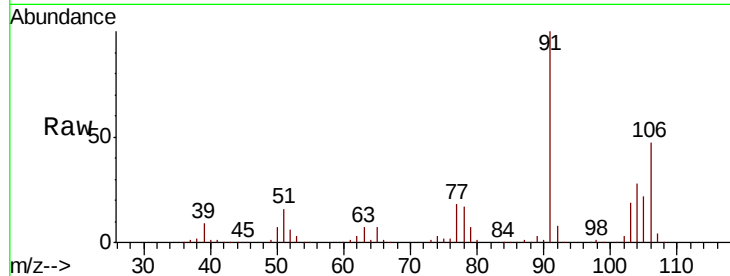




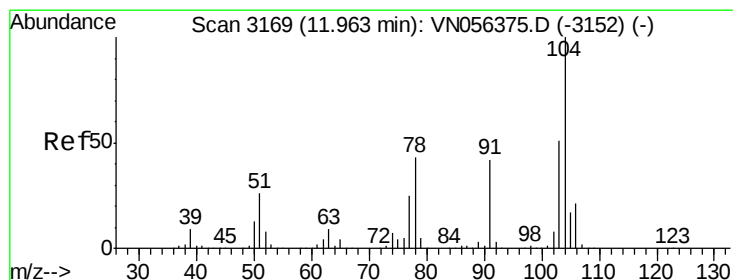
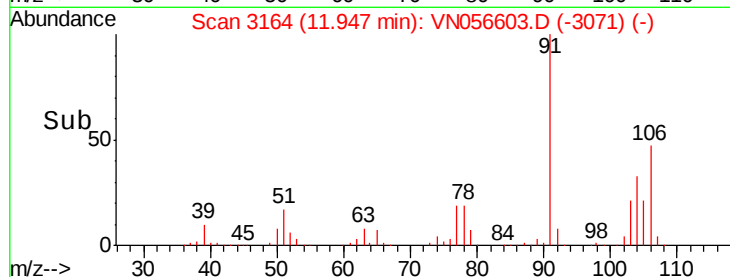
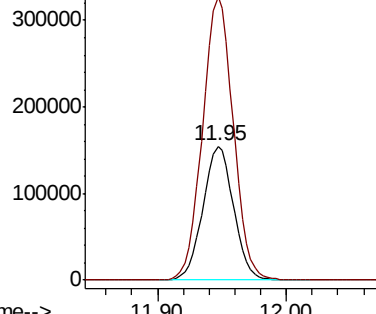
#69
o-Xylene
Concen: 51.896 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 254571
Ion Ratio Lower Upper
106 100
91 212.0 107.1 321.3

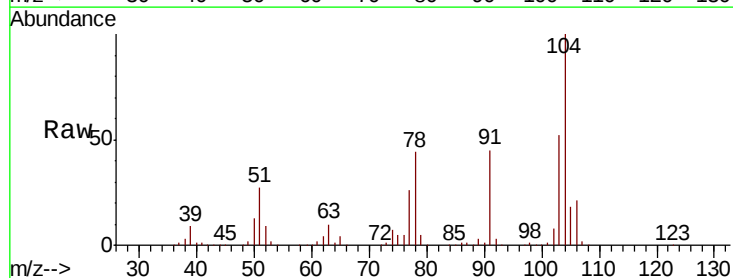


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

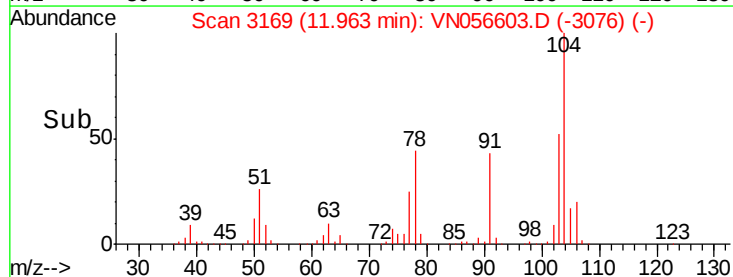
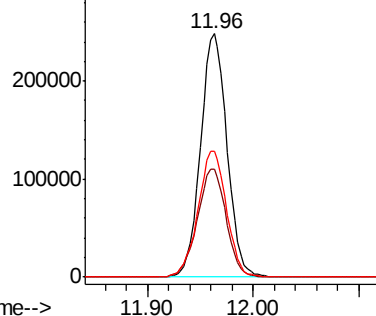


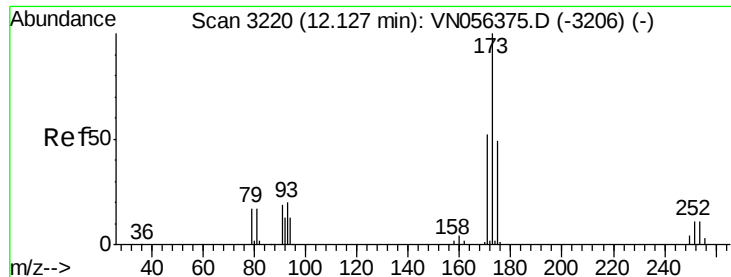
#70
Styrene
Concen: 54.760 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion:104 Resp: 429367
Ion Ratio Lower Upper
104 100
78 48.4 38.6 57.8
103 55.8 43.9 65.9



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

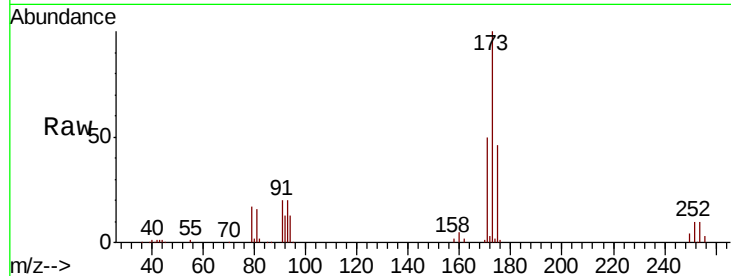




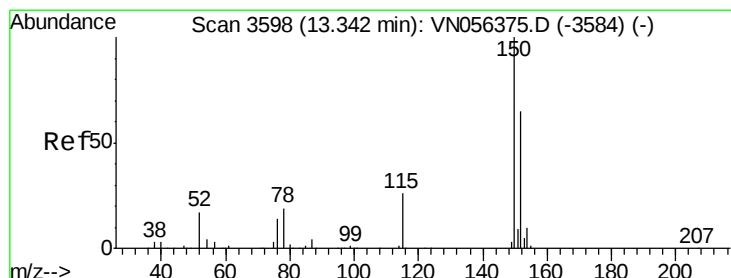
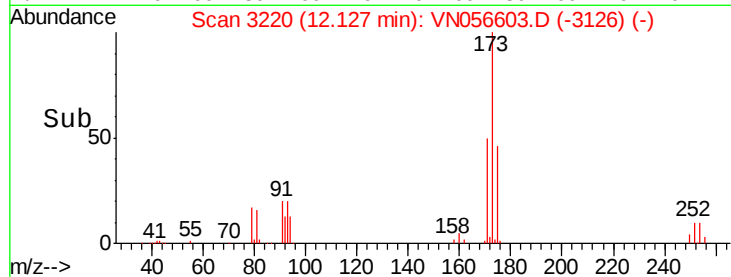
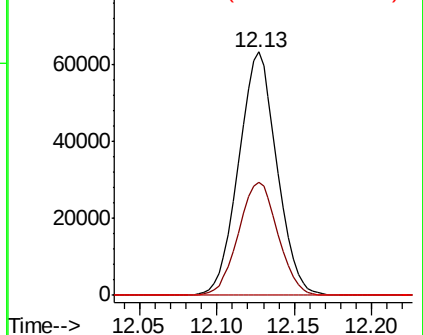
#71
Bromoform
Concen: 51.470 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 108342
Ion Ratio Lower Upper
173 100
175 47.8 24.4 73.4
254 0.0 0.0 0.0

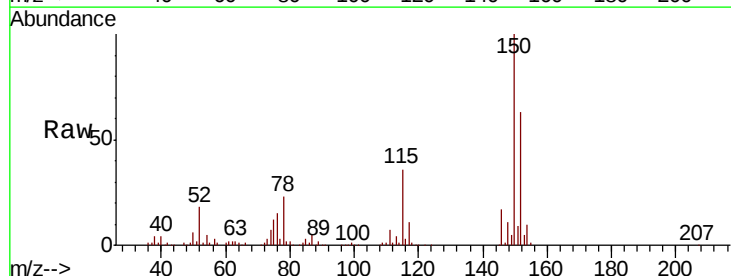


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

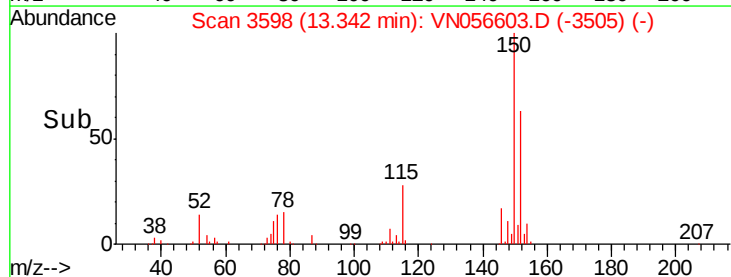
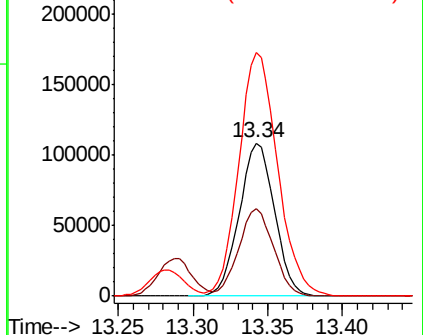


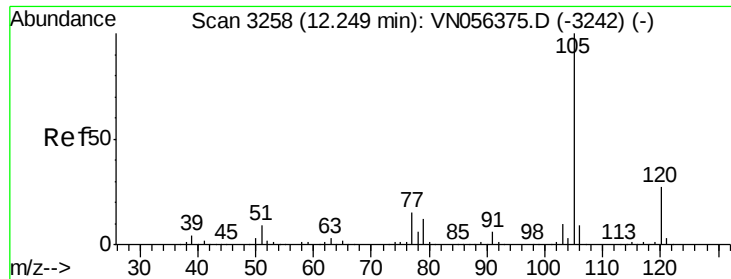
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion:152 Resp: 178160
Ion Ratio Lower Upper
152 100
115 56.3 28.1 84.4
150 174.7 0.0 348.4



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: 50.048 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

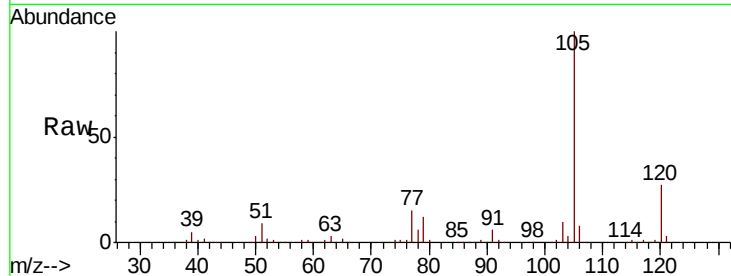
VSTDCCC050EC

Tot Ion:105 Resp: 669693

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

200000

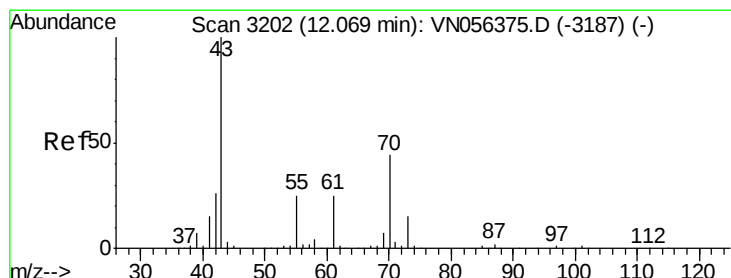
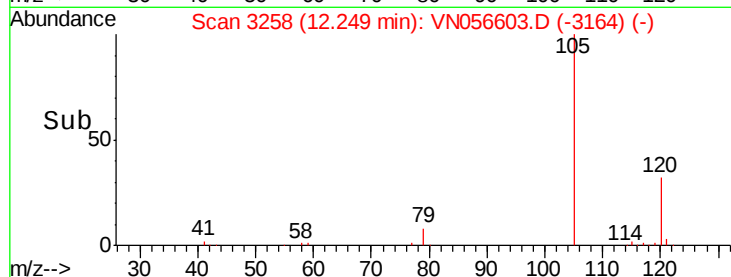
100000

0

Time-->

12.20

12.30



#74

N-ethyl acetate

Concen: 49.421 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Tgt Ion: 43 Resp: 280220

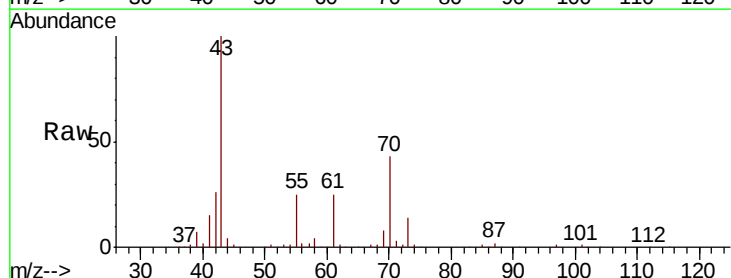
Ion Ratio Lower Upper

43 100

70 43.3 34.9 52.3

55 25.4 20.4 30.6

61 24.7 19.8 29.8



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

12.07

250000

200000

150000

100000

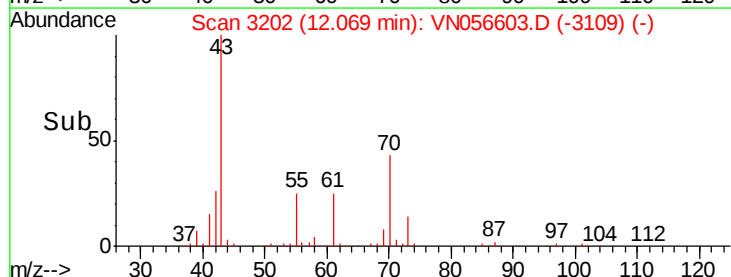
50000

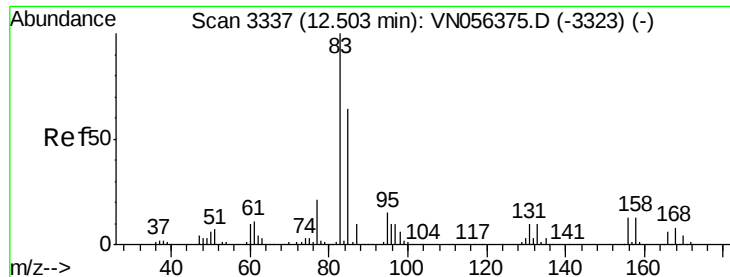
0

Time-->

12.00

12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 55.780 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

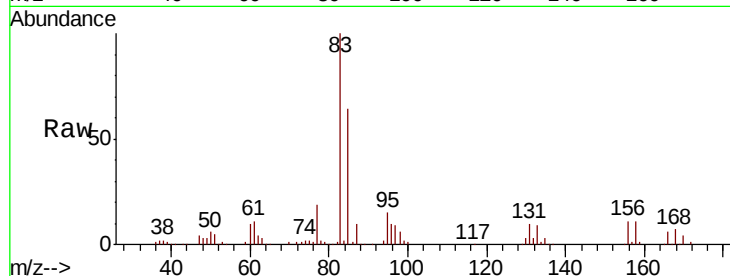
Tot Ion: 83 Resp: 229610

Ion Ratio Lower Upper

83 100

131 10.0 5.3 15.8

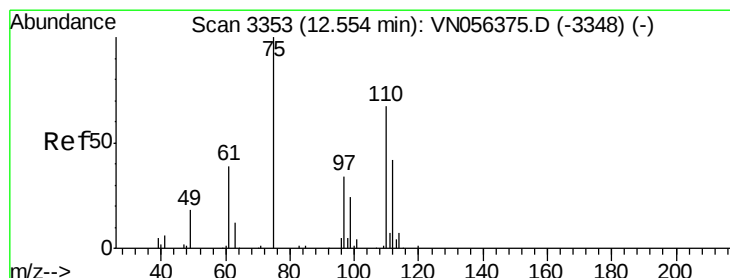
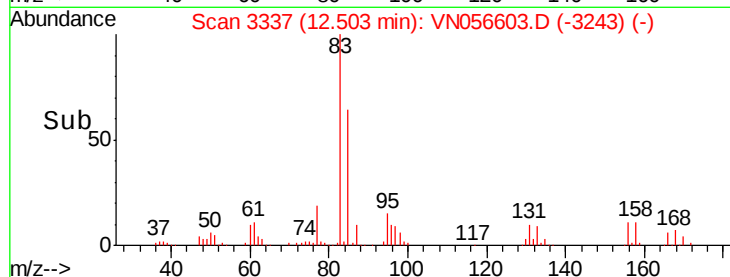
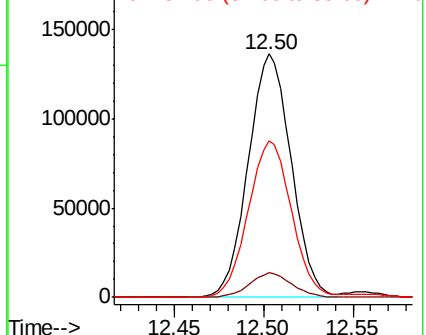
85 64.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN056603.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN056603.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN056603.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 72.576 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056603.D

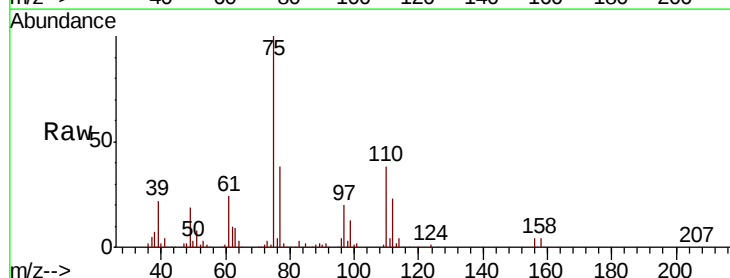
Acq: 3 Jul 2019 22:31

Tgt Ion: 75 Resp: 268107

Ion Ratio Lower Upper

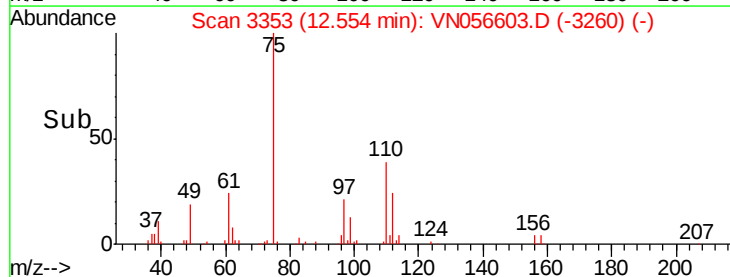
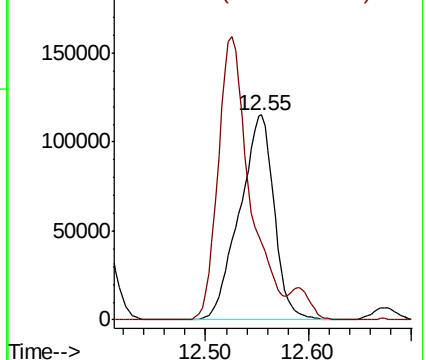
75 100

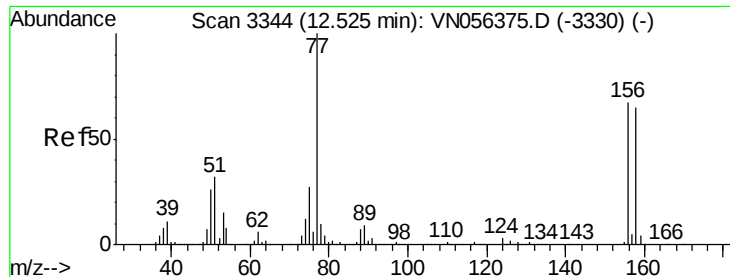
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056603.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN056603.D (-3260) (-)





#77

Bromobenzene

Concen: 44.016 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

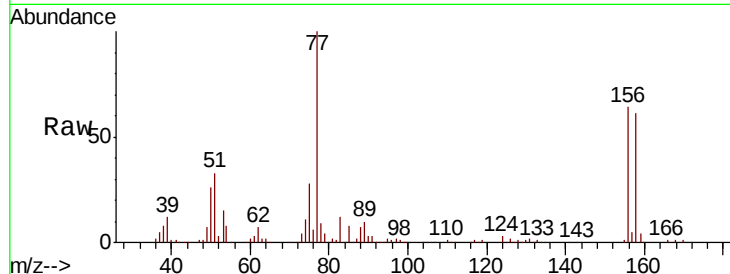
Tot Ion:156 Resp: 175345

Ion Ratio Lower Upper

156 100

77 194.2 92.5 277.3

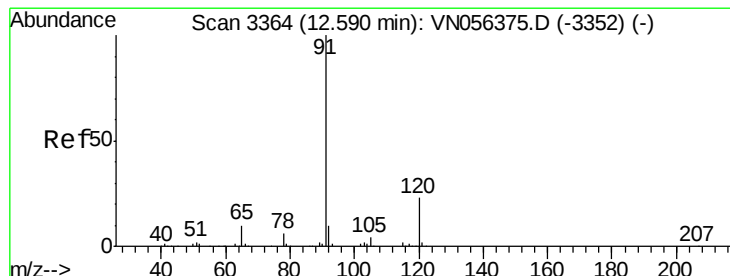
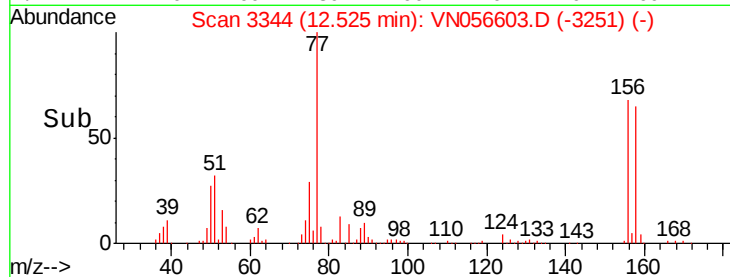
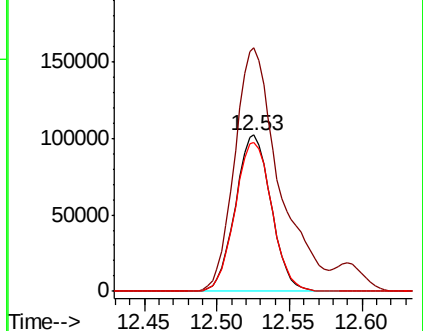
158 97.8 48.7 146.1



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: 46.156 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056603.D

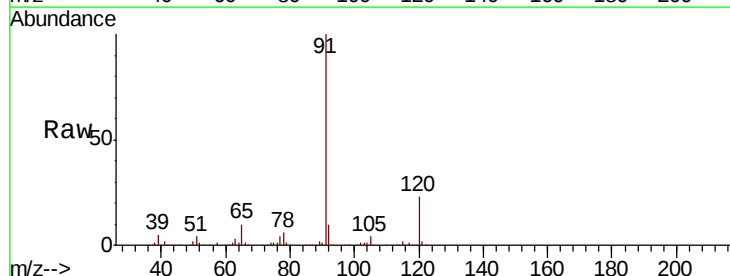
Acq: 3 Jul 2019 22:31

Tgt Ion: 91 Resp: 753037

Ion Ratio Lower Upper

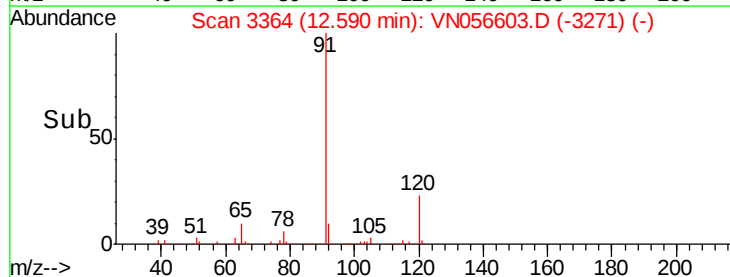
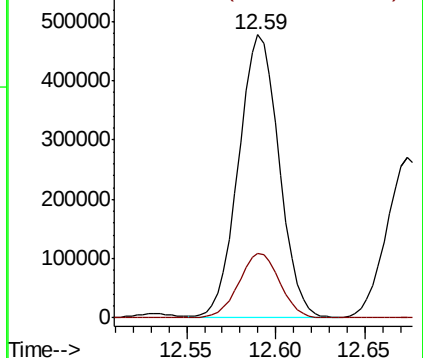
91 100

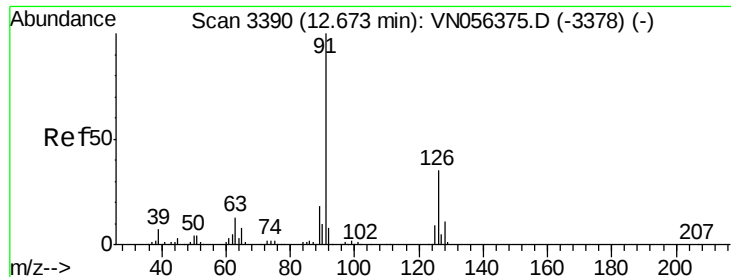
120 23.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.146 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

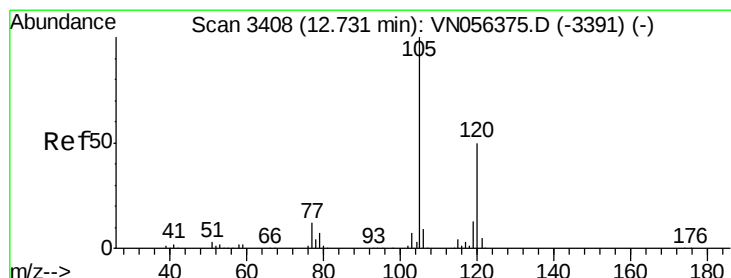
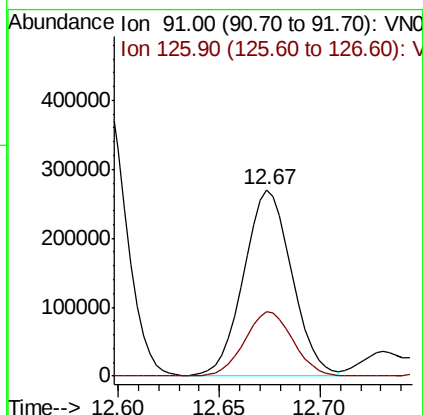
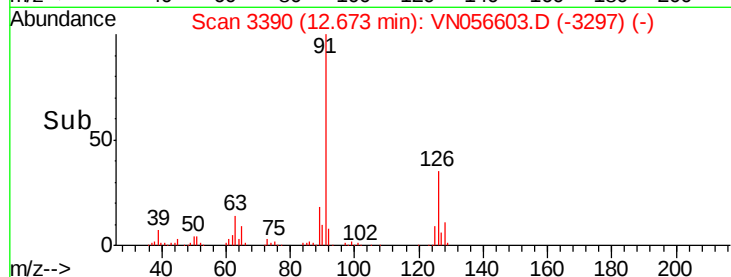
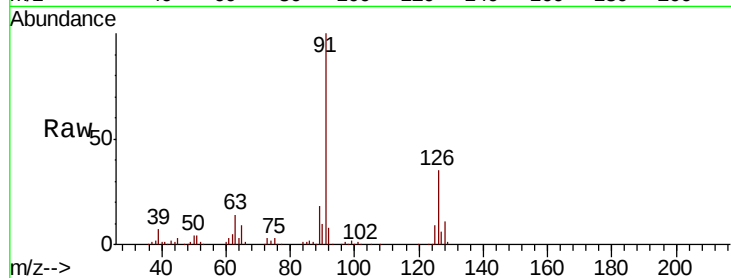
VSTDCCC050EC

Tot Ion: 91 Resp: 448553

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 50.032 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056603.D

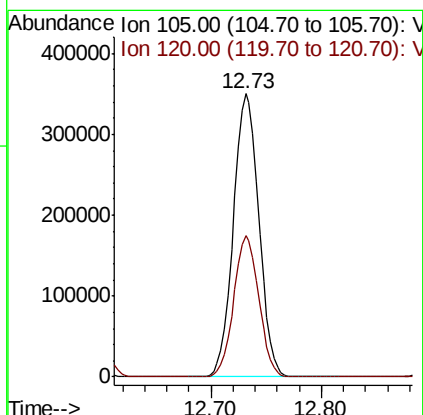
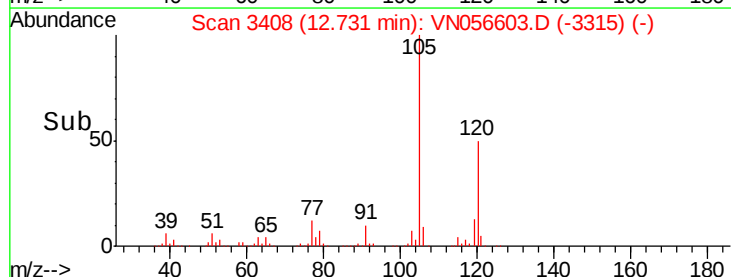
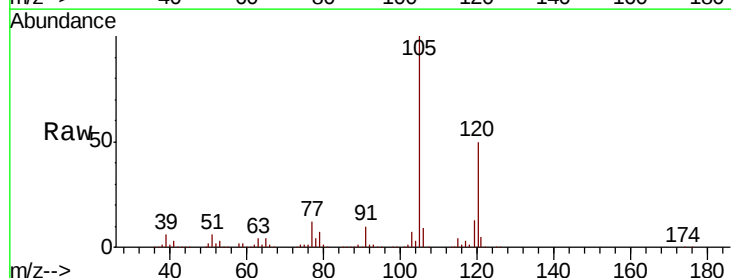
Acq: 3 Jul 2019 22:31

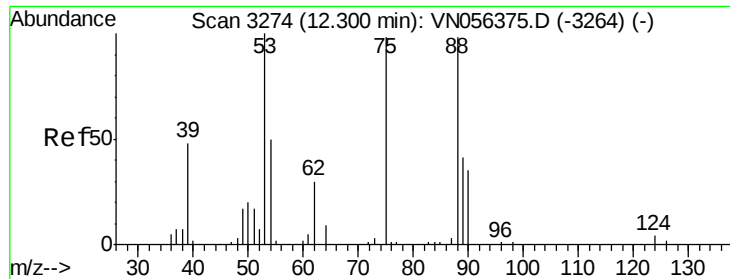
Tgt Ion: 105 Resp: 560958

Ion Ratio Lower Upper

105 100

120 49.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 56.032 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

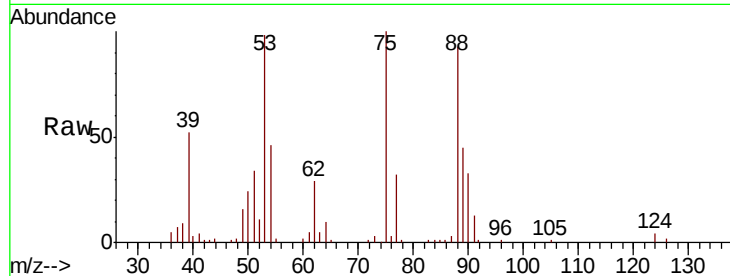
Tot Ion: 75 Resp: 58240

Ion Ratio Lower Upper

75 100

53 97.3 83.9 125.9

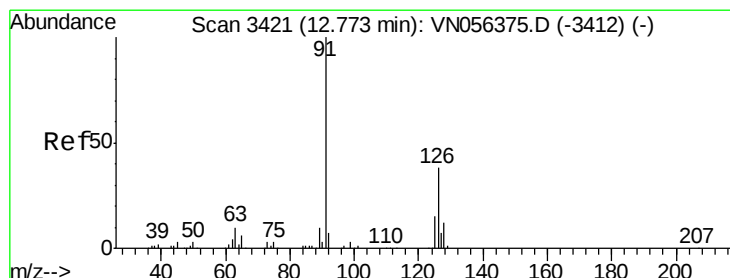
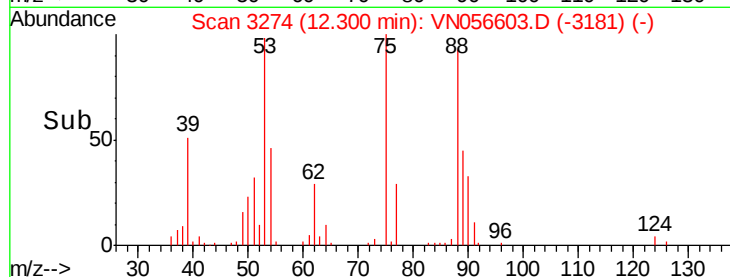
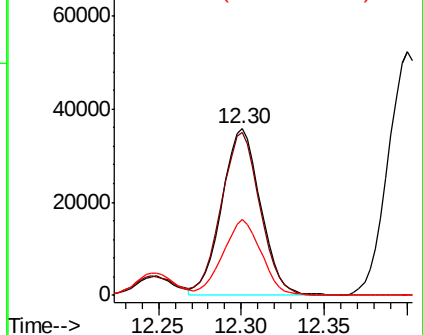
89 44.7 35.0 52.6



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: 46.728 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056603.D

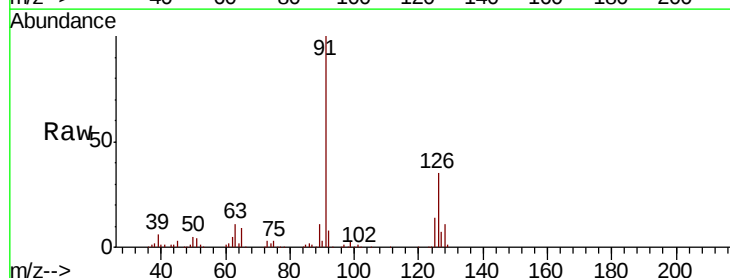
Acq: 3 Jul 2019 22:31

Tgt Ion: 91 Resp: 450138

Ion Ratio Lower Upper

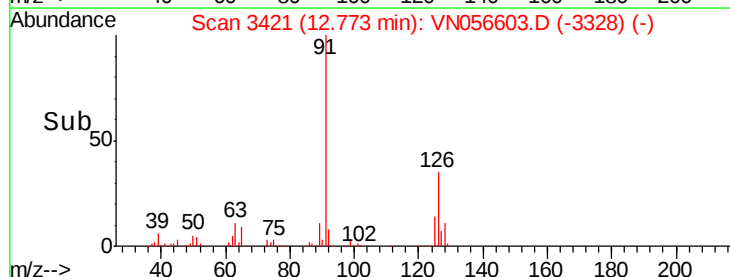
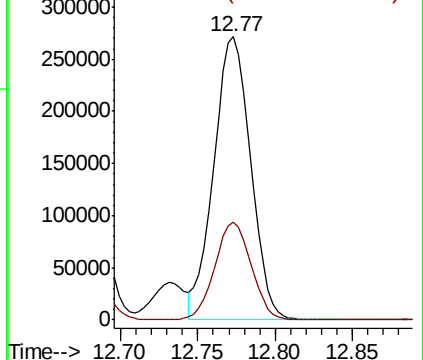
91 100

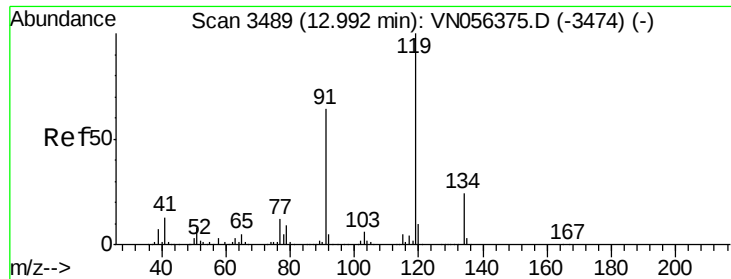
126 34.0 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

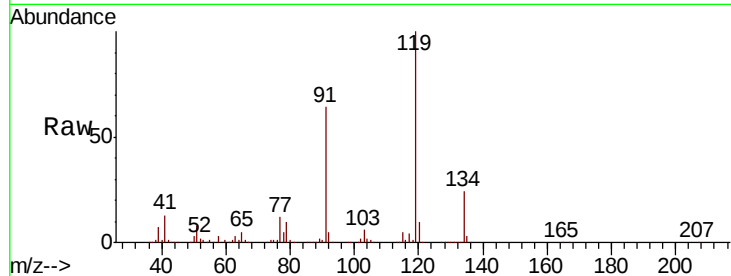




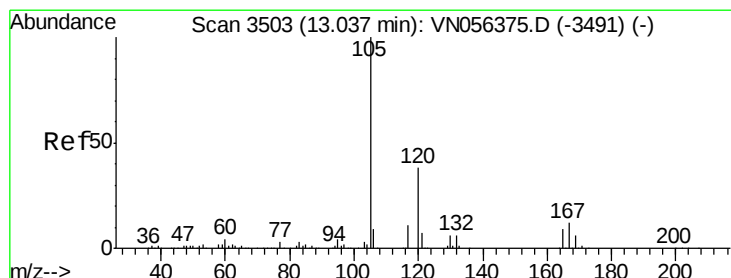
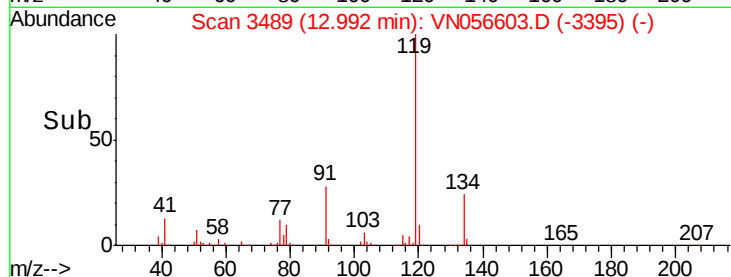
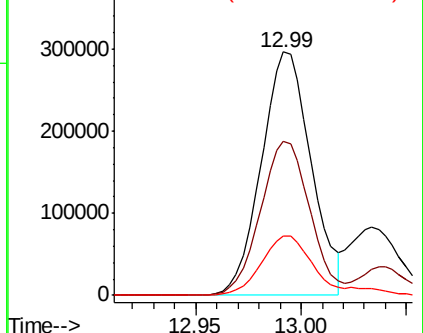
#83
tert-Butylbenzene
Concen: 49.959 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 488129
Ion Ratio Lower Upper
119 100
91 63.0 31.6 94.7
134 26.7 13.2 39.5

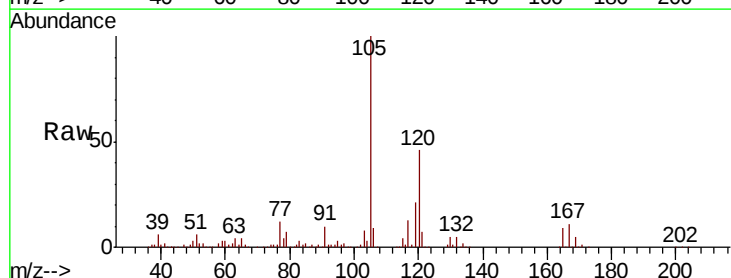


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

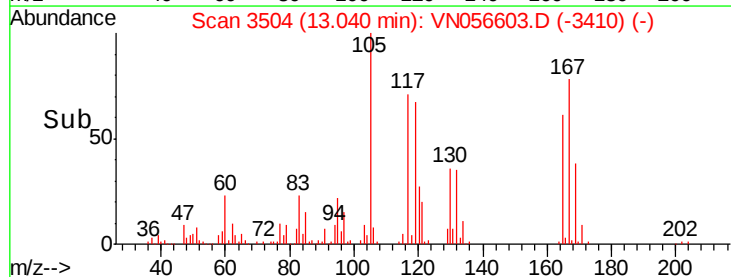
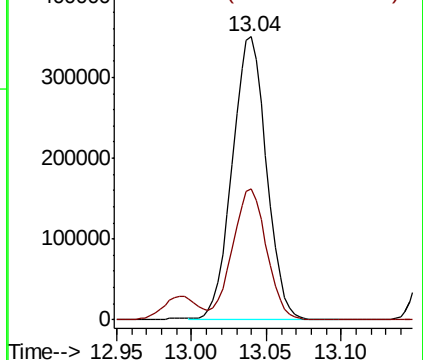


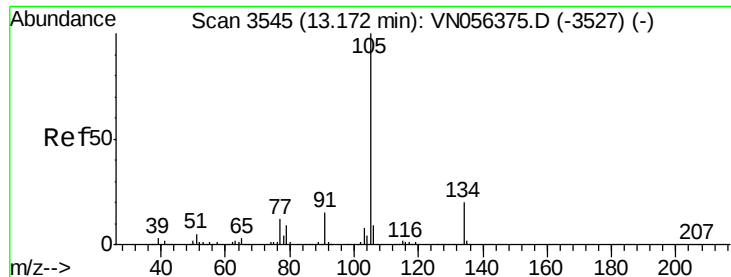
#84
1,2,4-Trimethylbenzene
Concen: 46.405 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056603.D
Acq: 3 Jul 2019 22:31

Tgt Ion:105 Resp: 556568
Ion Ratio Lower Upper
105 100
120 46.1 22.9 68.8



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

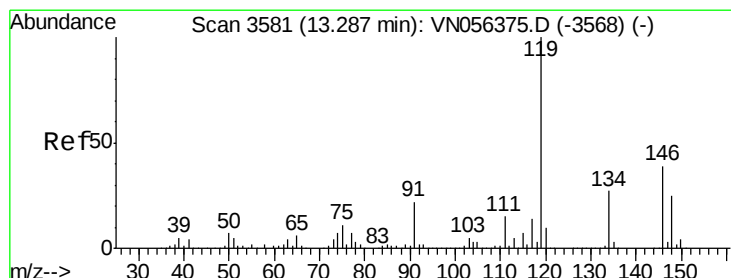
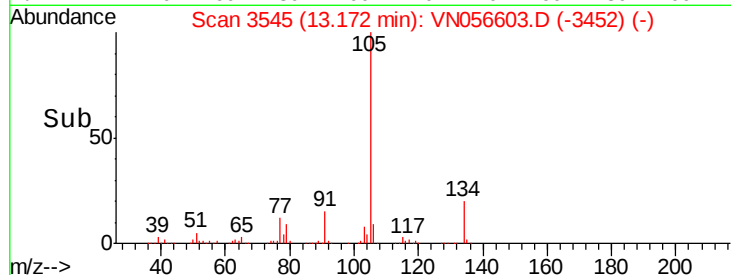
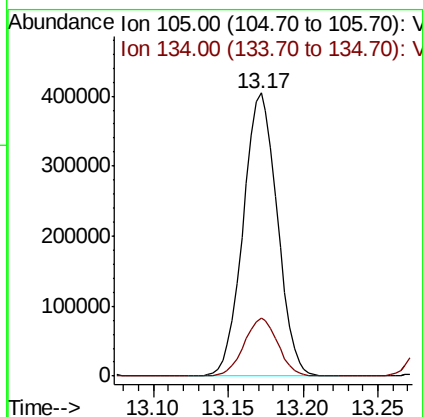
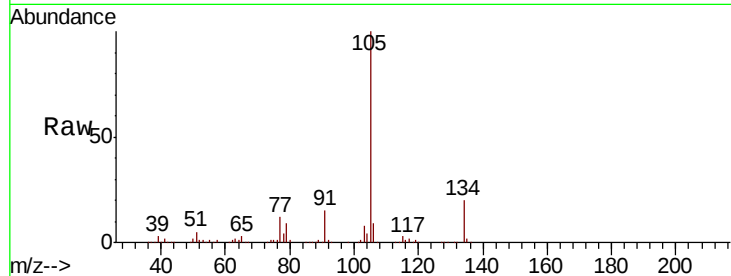




#85
 sec-Butylbenzene
 Concen: 44.560 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

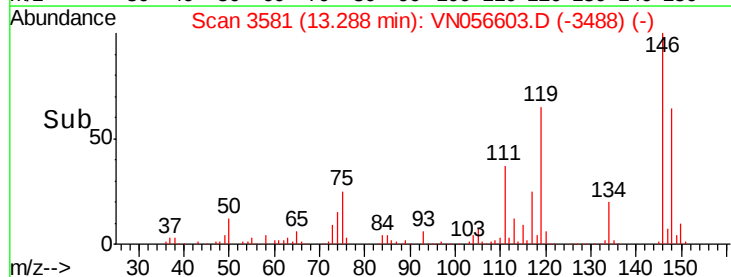
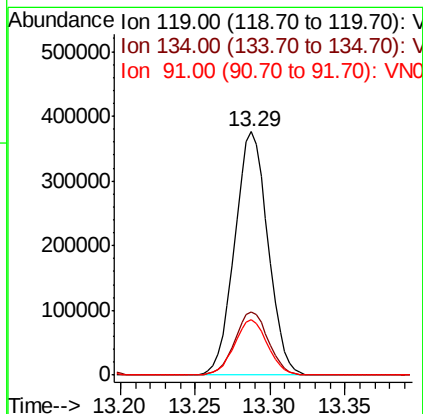
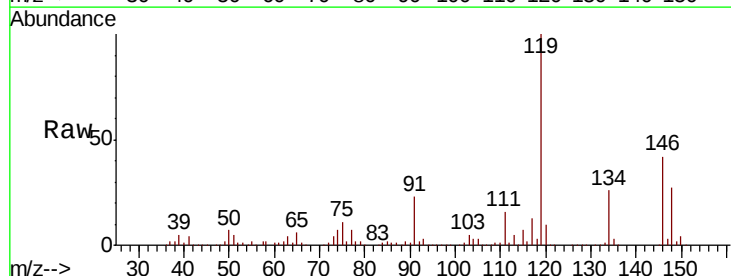
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

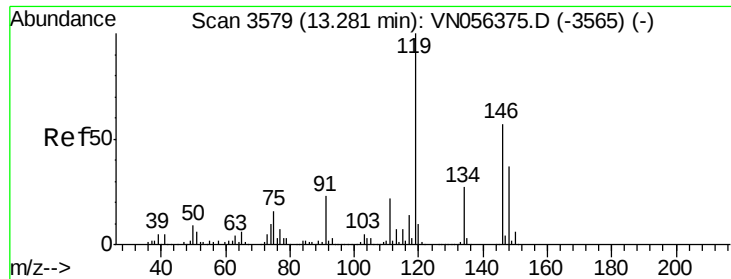
Tot Ion:105 Resp: 638994
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 47.078 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Tgt Ion:119 Resp: 579370
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.5 40.4
 91 22.7 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 48.626 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

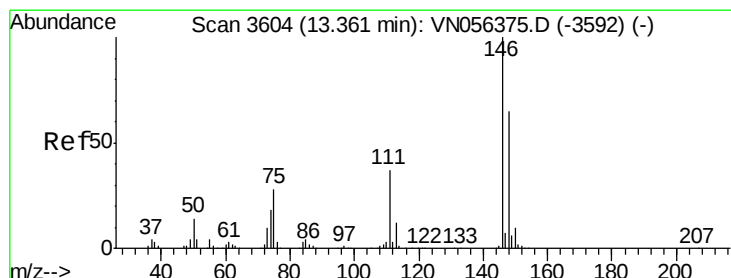
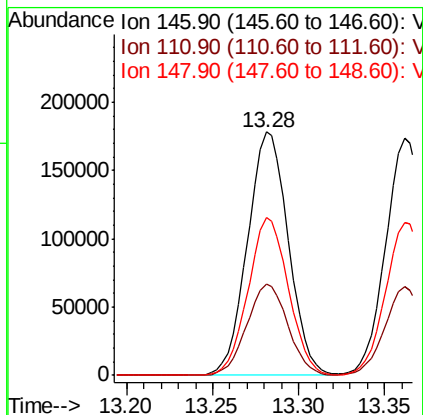
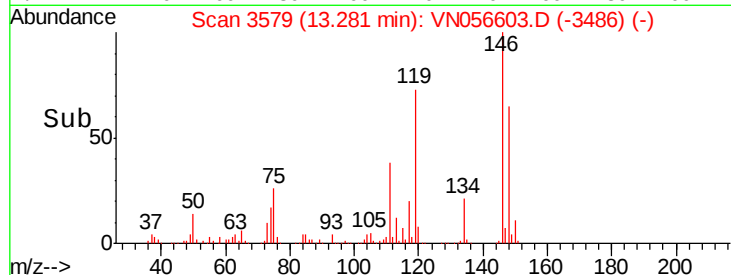
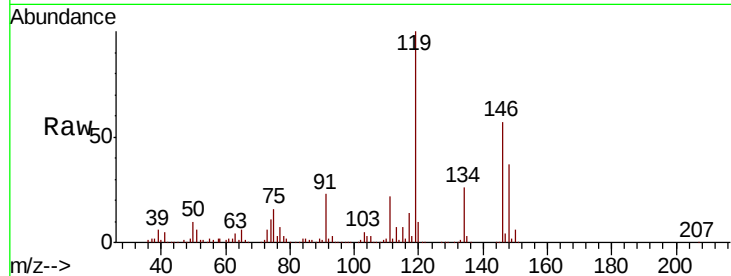
Tot Ion:146 Resp: 293560

Ion Ratio Lower Upper

146 100

111 37.7 18.9 56.9

148 64.1 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 48.860 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

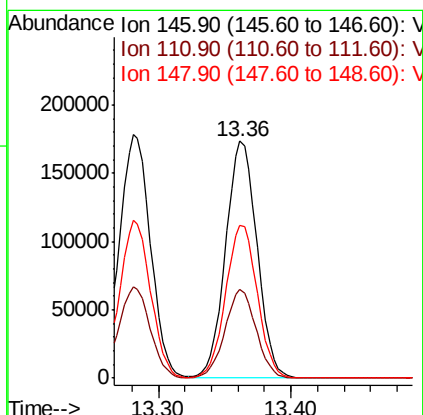
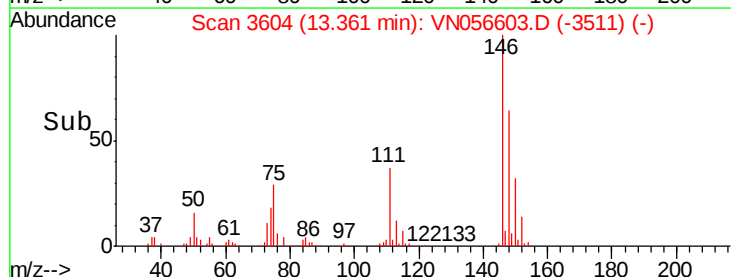
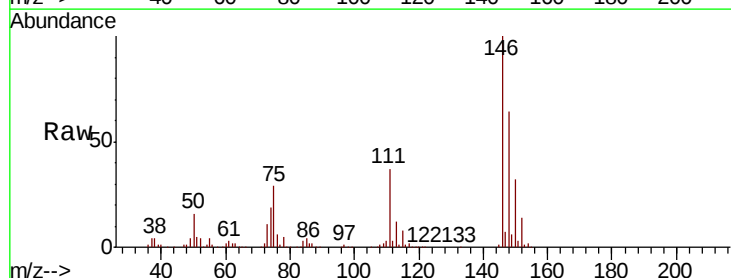
Tgt Ion:146 Resp: 285671

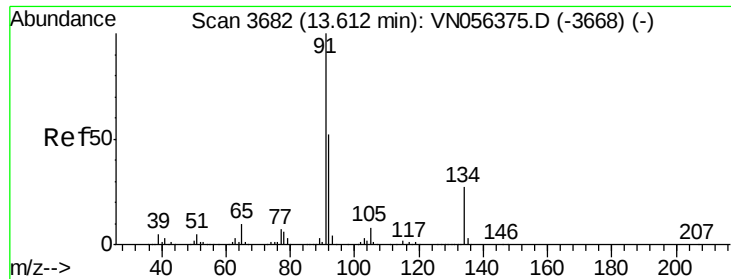
Ion Ratio Lower Upper

146 100

111 37.1 18.4 55.4

148 64.8 32.4 97.0





#89

n-Butylbenzene

Concen: 51.450 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

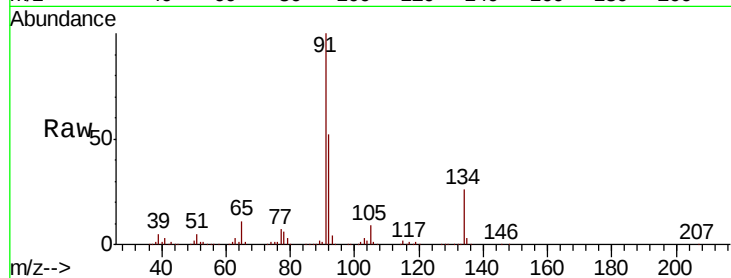
Tot Ion: 91 Resp: 479336

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.5

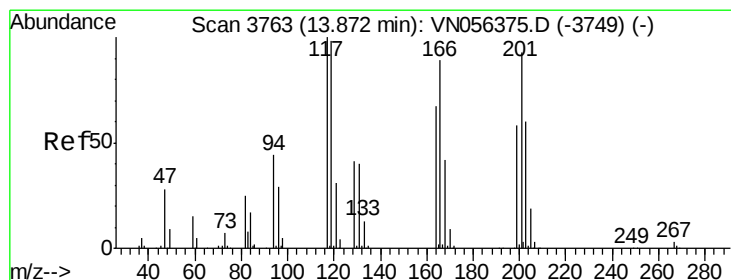
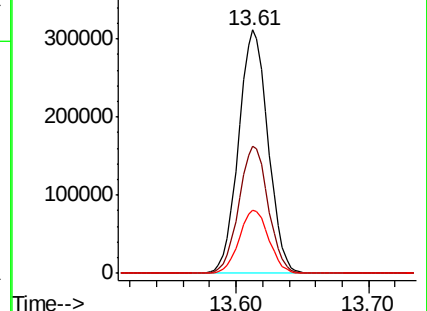
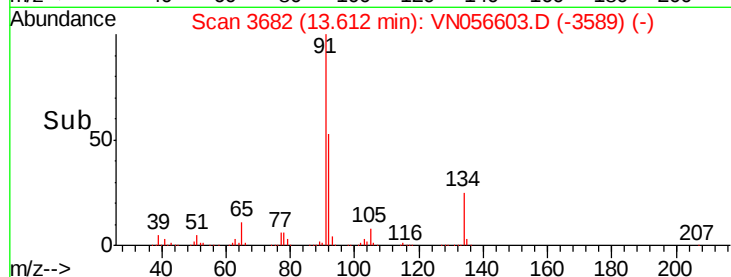
134 26.1 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN056375.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN056375.D (-3668) (-)



#90

Hexachloroethane

Concen: 46.220 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056603.D

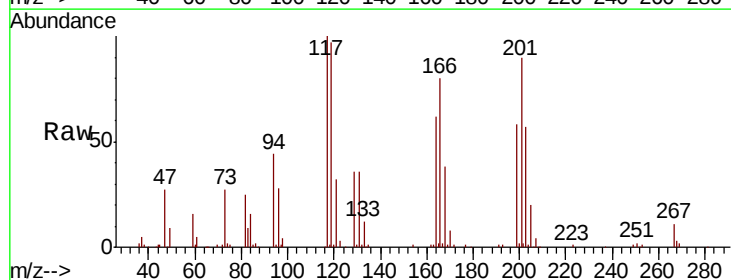
Acq: 3 Jul 2019 22:31

Tgt Ion: 117 Resp: 88680

Ion Ratio Lower Upper

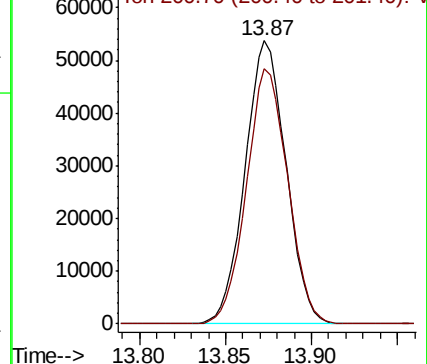
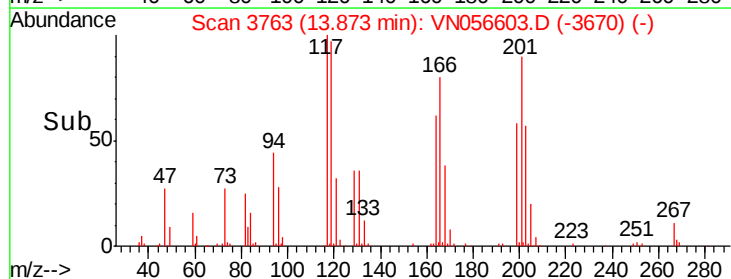
117 100

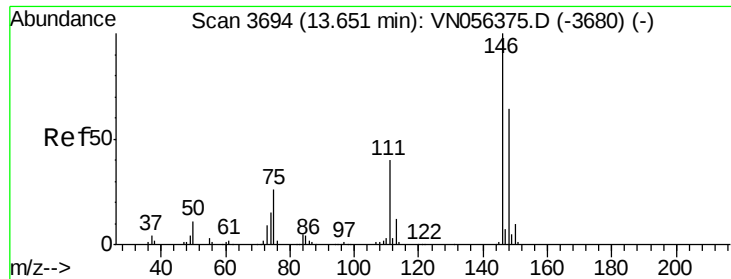
201 90.7 45.9 137.6



Abundance Ion 116.80 (116.50 to 117.50): VN056375.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056375.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 49.800 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

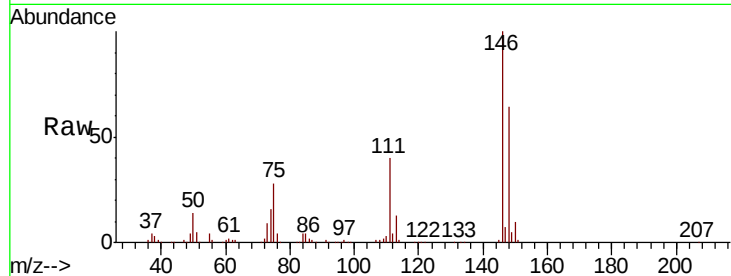
Tot Ion:146 Resp: 298284

Ion Ratio Lower Upper

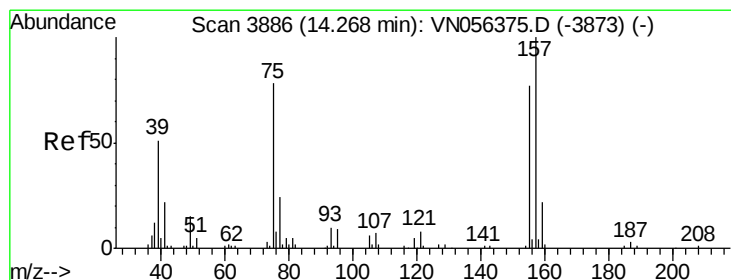
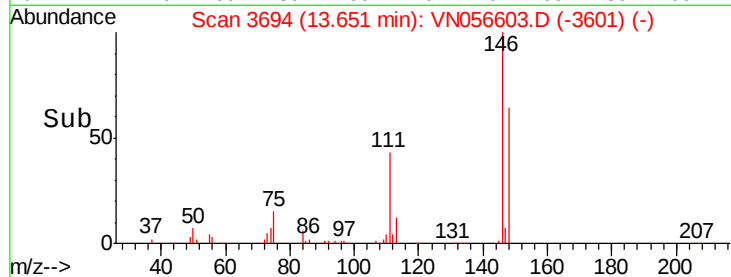
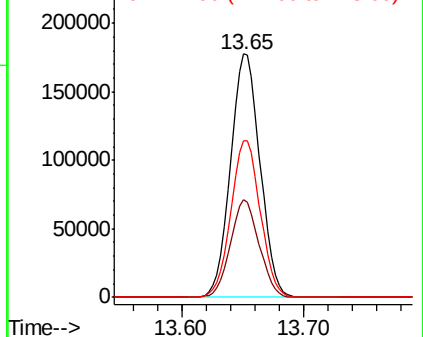
146 100

111 39.0 19.3 57.9

148 64.3 32.0 96.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 61.545 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

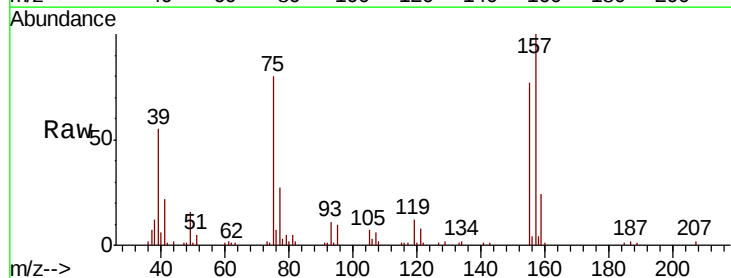
Tgt Ion: 75 Resp: 40571

Ion Ratio Lower Upper

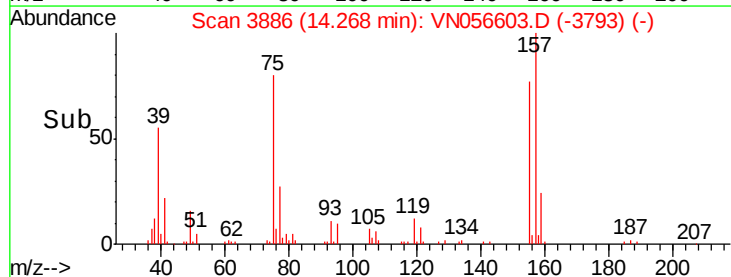
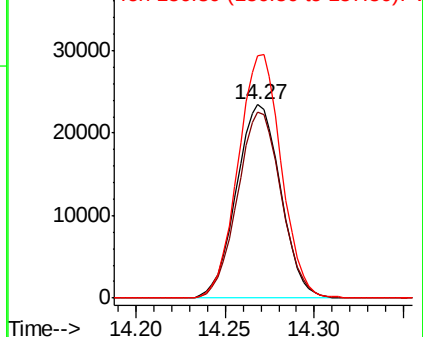
75 100

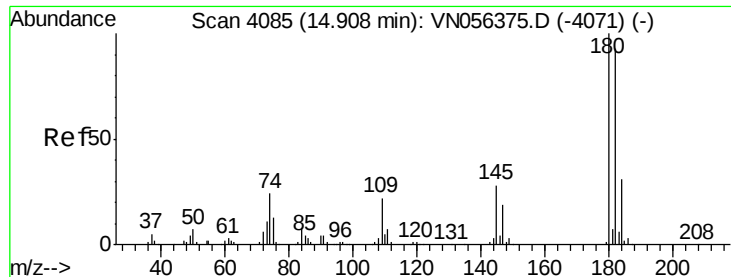
155 94.9 48.9 146.8

157 122.7 62.9 188.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

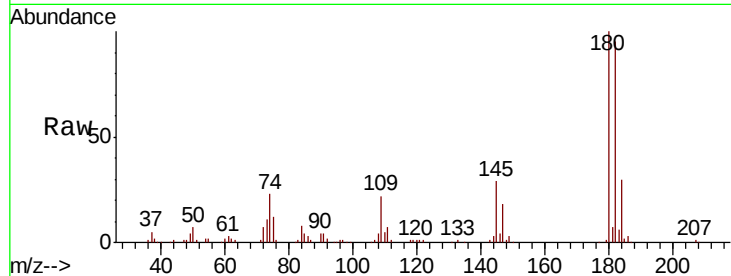




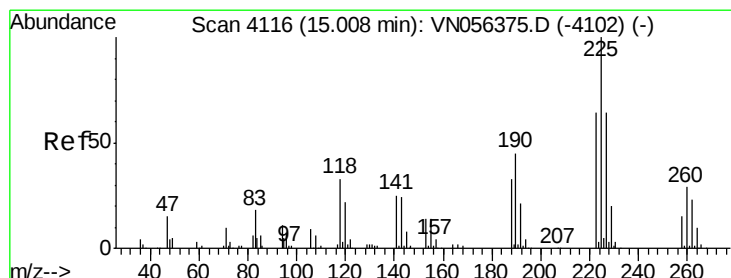
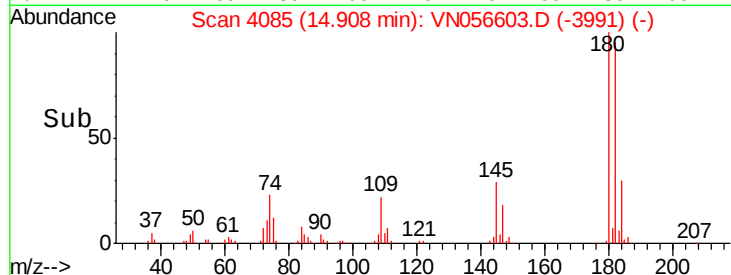
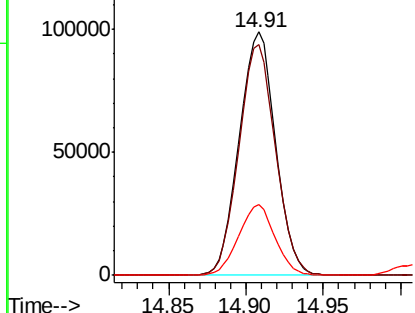
#93
 1,2,4-Trichlorobenzene
 Concen: 51.810 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 162320
 Ion Ratio Lower Upper
 180 100
 182 95.2 46.9 140.6
 145 28.9 14.4 43.0

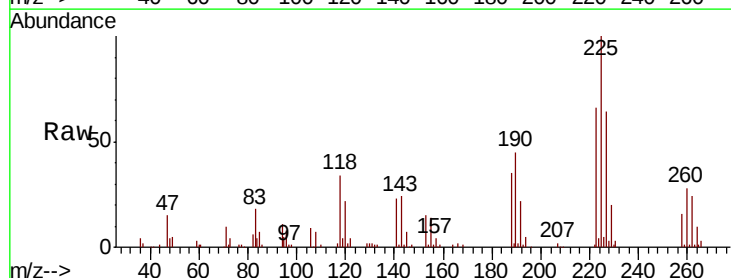


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

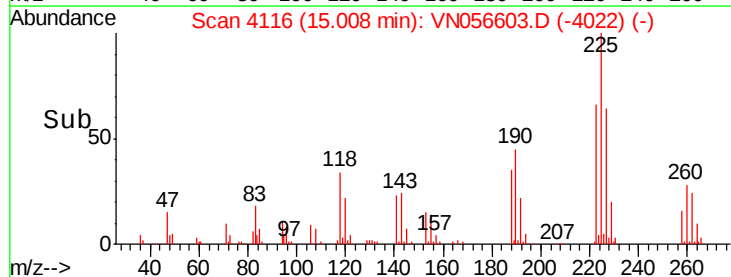
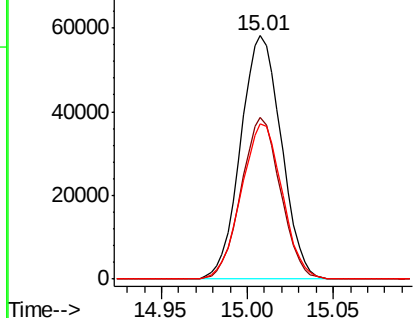


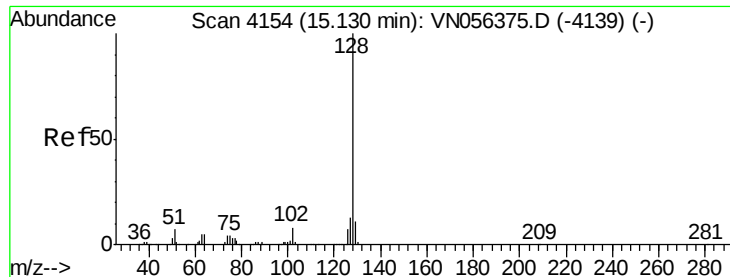
#94
 Hexachlorobutadiene
 Concen: 47.010 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056603.D
 Acq: 3 Jul 2019 22:31

Tgt Ion:225 Resp: 95650
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.4 94.3
 227 64.4 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 57.010 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

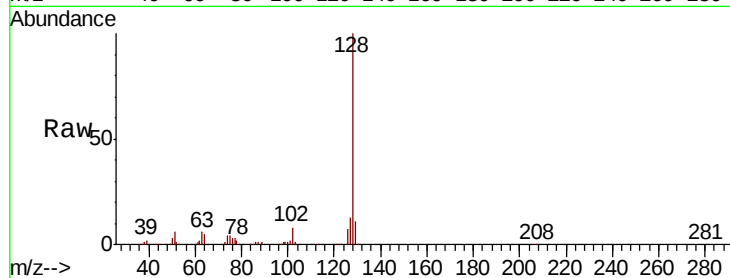
Tot Ion:128 Resp: 471438

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

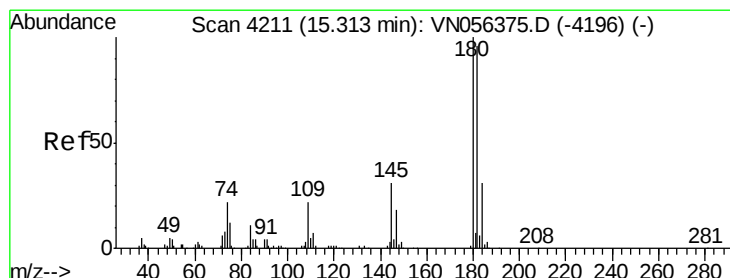
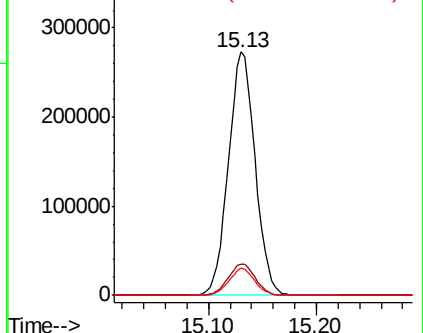
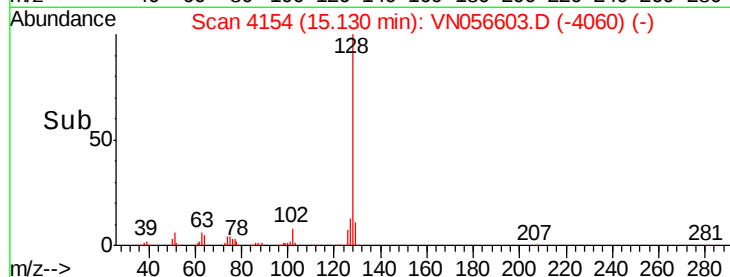
129 10.9 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 52.723 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056603.D

Acq: 3 Jul 2019 22:31

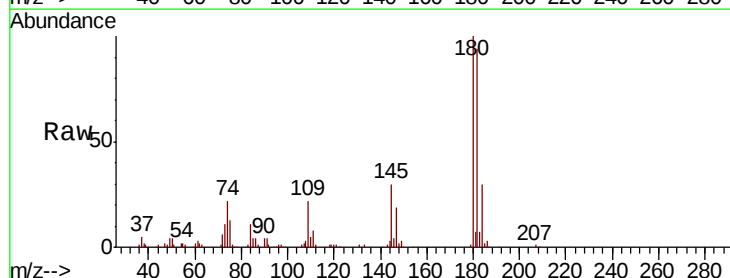
Tgt Ion:180 Resp: 171266

Ion Ratio Lower Upper

180 100

182 95.1 48.3 144.8

145 30.4 15.4 46.1



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

