

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056801.D
 Acq On : 18 Jul 2019 9:22
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jul 19 05:30:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53414	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	294544	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	256530	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	104300	28.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.10%
60) 4-Bromofluorobenzene	12.40	95	116361	29.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.80%
63) Toluene-d8	10.09	98	359165	30.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	65738	21.659	ug/l 96
3) Chloromethane	2.06	50	84968	20.932	ug/l 98
4) Vinyl Chloride	2.18	62	82694	20.712	ug/l 99
5) Bromomethane	2.55	94	49750	19.769	ug/l 99
6) Chloroethane	2.70	64	46363	20.323	ug/l 94
7) Trichlorofluoromethane	3.01	101	108147	21.119	ug/l 96
8) Diethyl Ether	3.41	74	41551	19.841	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67672	21.192	ug/l 99
10) 1,1-Dichloroethene	3.73	96	64134	20.358	ug/l 99
11) Methyl Iodide	3.95	142	78067	18.647	ug/l 98
12) Methyl Acetate	4.32	43	76033	18.030	ug/l 97
13) Acrolein	3.60	56	28788	96.828	ug/l 98
14) Acrylonitrile	4.99	53	178417	96.044	ug/l 98
15) Acetone	3.81	58	70927	110.609	ug/l 99
16) Carbon Disulfide	4.05	76	164721	19.825	ug/l 99
17) Allyl chloride	4.32	41	108584	19.704	ug/l 97
18) Methylene Chloride	4.55	84	74771	20.216	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	68547	20.325	ug/l 94
20) Diisopropyl ether	5.95	45	224219	20.420	ug/l 99
21) 1,1-Dichloroethane	5.85	63	127744	20.361	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	78801	19.982	ug/l 98
23) tert-Butyl Alcohol	4.78	59	62626	96.643	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	201590	20.063	ug/l 99
25) Chloroform	7.37	83	125480	20.529	ug/l 95
26) Cyclohexane	7.65	56	119720	20.529	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	95620	20.423	ug/l 99
30) 2-Butanone	6.83	43	264176	97.454	ug/l 98
31) 2,2-Dichloropropane	6.82	77	94988	20.963	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	103269	20.692	ug/l 99
33) Carbon Tetrachloride	7.77	117	89035	20.731	ug/l 94
34) Benzene	8.04	78	296366	20.601	ug/l 100
35) Methacrylonitrile	7.21	41	139800	67.507	ug/l # 50
36) 1,2-Dichloroethane	8.12	62	93701	20.277	ug/l 99
37) Trichloroethene	8.84	130	79472	20.341	ug/l 94
38) Methylcyclohexane	9.08	83	124273	21.011	ug/l 97
39) 1,2-Dichloropropane	9.12	63	78138	20.236	ug/l 99
40) Dibromomethane	9.21	93	49958	20.312	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	93140	20.548	ug/l	97
42) Vinyl Acetate	5.89	43	911884	101.075	ug/l	99
43) Ethyl Acetate	6.93	43	93917	19.172	ug/l	97
44) Isopropyl Acetate	8.16	43	148110	19.385	ug/l #	79
45) 1,4-Dioxane	9.20	88	30511	394.734	ug/l	98
46) Methyl methacrylate	9.20	41	70997	19.343	ug/l	97
47) n-amyl Acetate	12.07	43	115707	18.518	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	98948	19.845	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	112830	20.060	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	72055	20.109	ug/l	99
51) Ethyl methacrylate	10.43	69	107049	19.423	ug/l	98
52) 1,3-Dichloropropane	10.71	76	121886	20.329	ug/l	99
53) Dibromochloromethane	10.90	129	73841	20.390	ug/l	98
54) 1,2-Dibromoethane	11.00	107	76179	20.456	ug/l	95
55) 2-Chloroethyl vinyl ether	9.69	63	243070	91.200	ug/l	99
56) Bromoform	12.13	173	52783	19.689	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	478037	99.008	ug/l	100
59) 2-Hexanone	10.75	43	359949	98.212	ug/l	99
61) Tetrachloroethene	10.63	164	79381	21.535	ug/l	99
62) Toluene	10.15	91	314572	20.878	ug/l	98
64) Chlorobenzene	11.43	112	190554	20.736	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	69957	20.764	ug/l	98
66) Ethyl Benzene	11.51	91	333770	20.494	ug/l	99
67) m/p-Xylenes	11.62	106	253728	41.281	ug/l	99
68) o-Xylene	11.95	106	124154	20.710	ug/l	97
69) Styrene	11.96	104	201170	20.251	ug/l	99
70) Isopropylbenzene	12.25	105	324091	20.624	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	100095	19.625	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	121183	27.799	ug/l	68
73) Bromobenzene	12.53	156	83353	20.298	ug/l	100
74) n-propylbenzene	12.59	91	364207	20.543	ug/l	99
75) 2-Chlorotoluene	12.67	91	220384	20.640	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	279570	20.858	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	27054	18.670	ug/l	96
78) 4-Chlorotoluene	12.77	91	207664	20.056	ug/l	100
79) tert-butylbenzene	12.99	119	235890	20.688	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	273868	20.603	ug/l	100
81) sec-Butylbenzene	13.17	105	308194	20.420	ug/l	100
82) p-Isopropyltoluene	13.29	119	283915	20.685	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	135007	19.726	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	127272	19.400	ug/l	99
85) n-Butylbenzene	13.61	91	221442	19.559	ug/l	99
86) Hexachloroethane	13.87	117	44957	20.875	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	138627	20.155	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16966	19.280	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	62420	16.872	ug/l	100
90) Hexachlorobutadiene	15.01	225	51367	21.355	ug/l	98
91) Naphthalene	15.13	128	153884	15.465	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	67638	17.436	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:58:13 2019
Response via : Initial Calibration

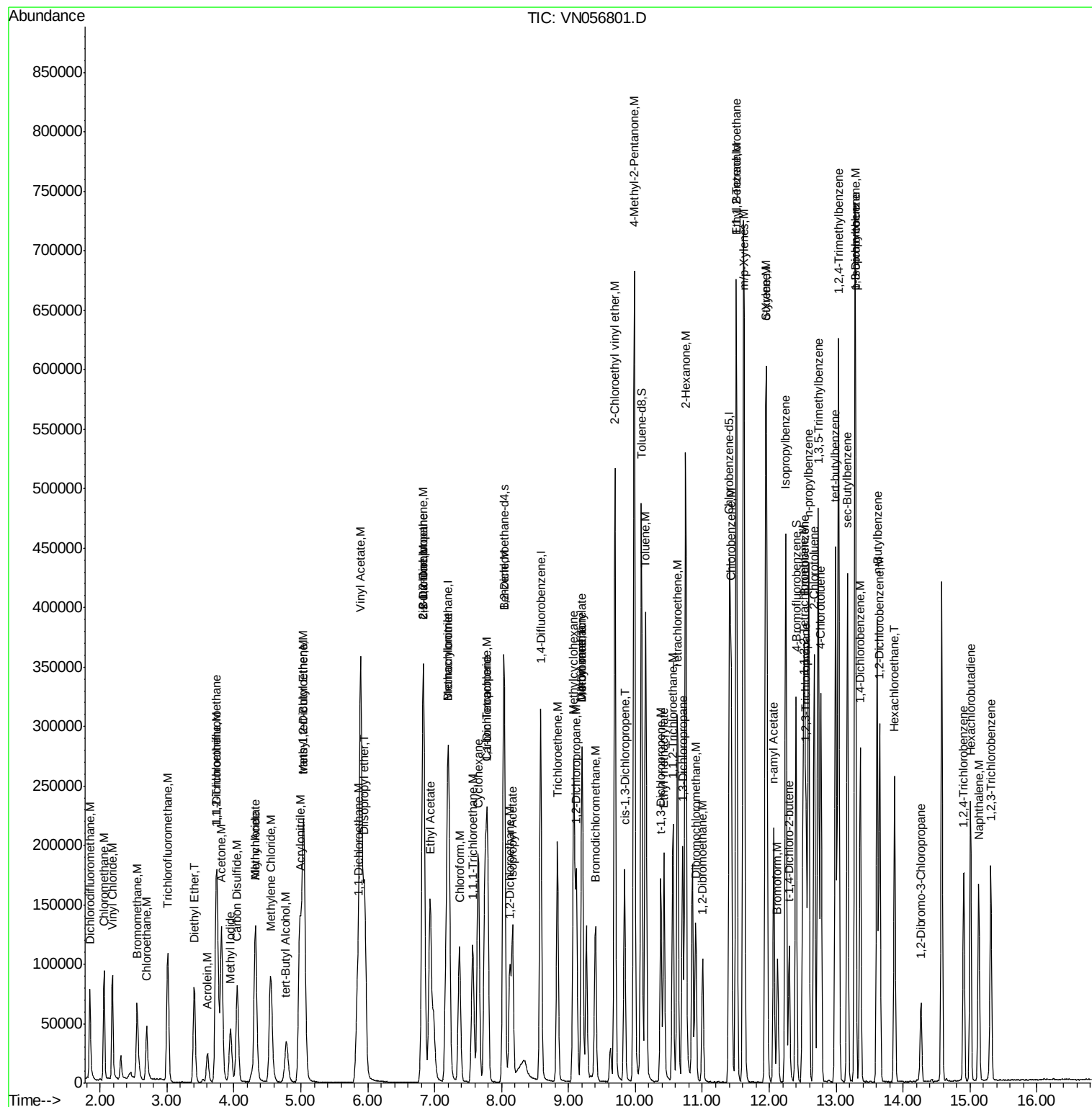
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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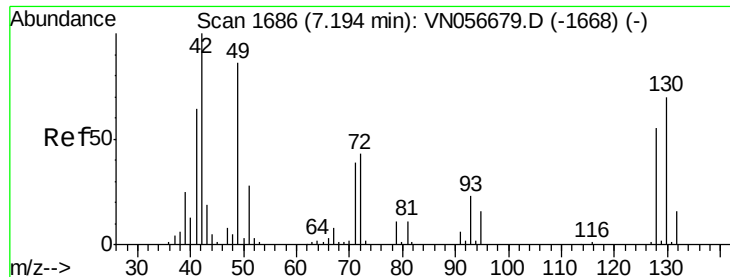
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 19 05:30:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

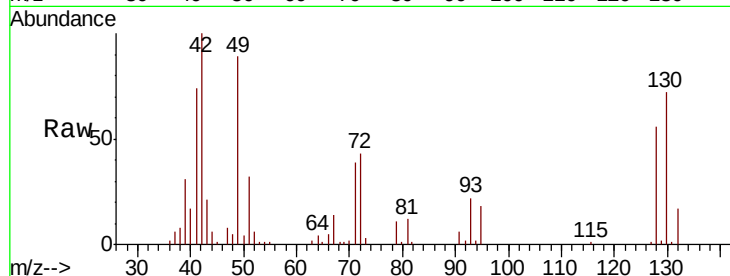
Tot Ion:128 Resp: 53414

Ion Ratio Lower Upper

128 100

49 154.7 0.0 390.5

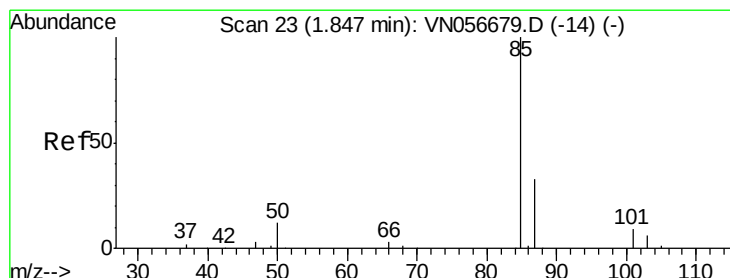
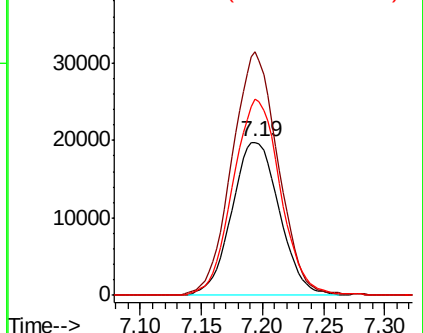
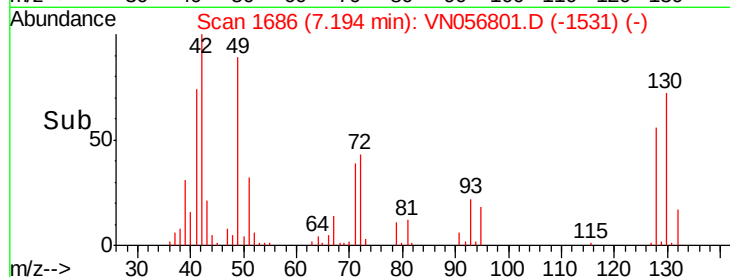
130 128.0 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.659 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056801.D

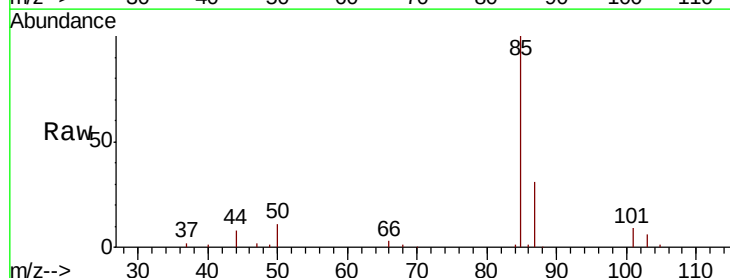
Acq: 18 Jul 2019 9:22

Tgt Ion: 85 Resp: 65738

Ion Ratio Lower Upper

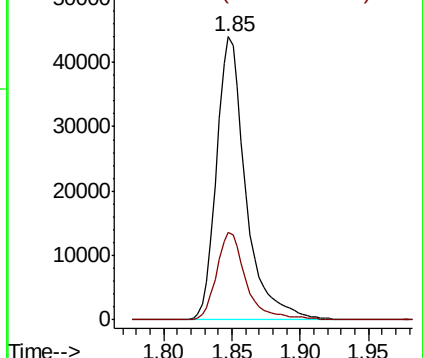
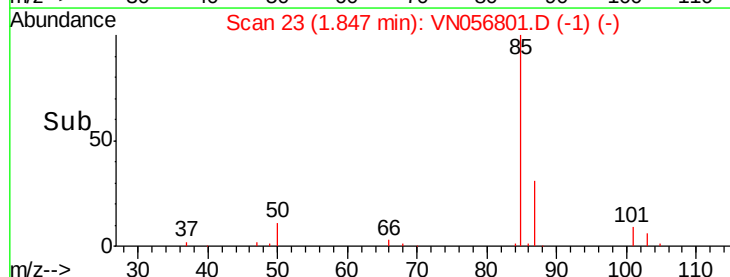
85 100

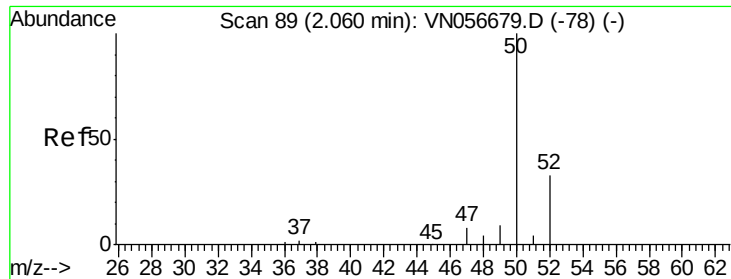
87 31.1 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.932 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

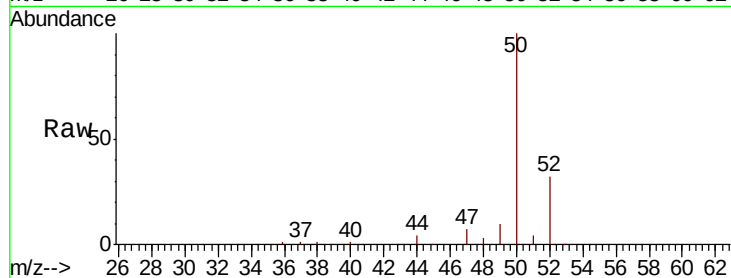
VSTDCCC020

Tot Ion: 50 Resp: 84968

Ion Ratio Lower Upper

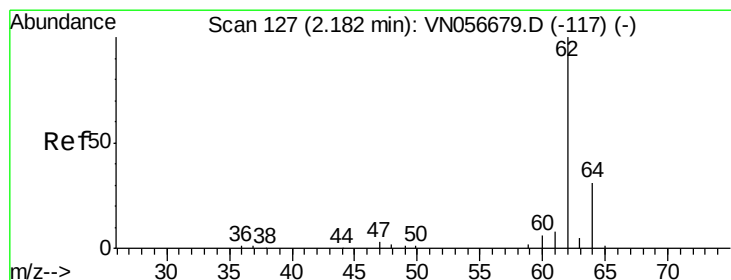
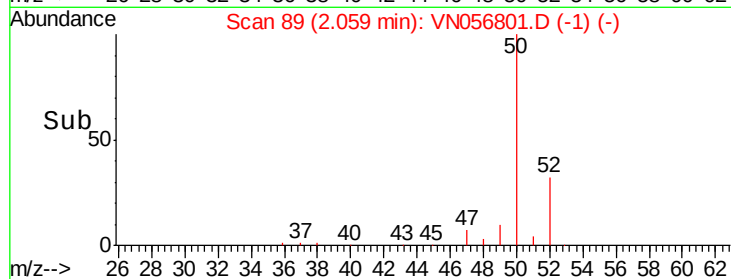
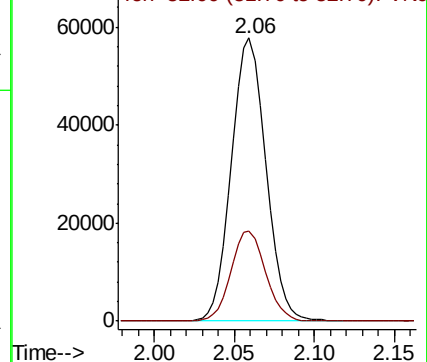
50 100

52 31.8 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.712 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056801.D

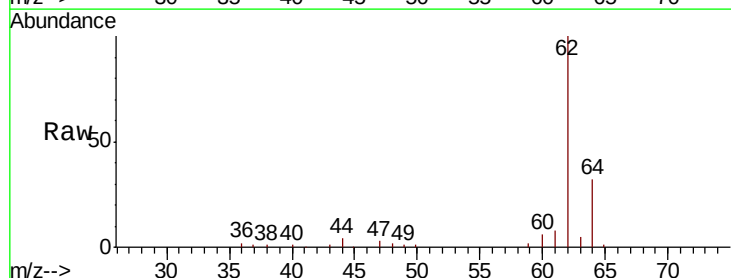
Acq: 18 Jul 2019 9:22

Tgt Ion: 62 Resp: 82694

Ion Ratio Lower Upper

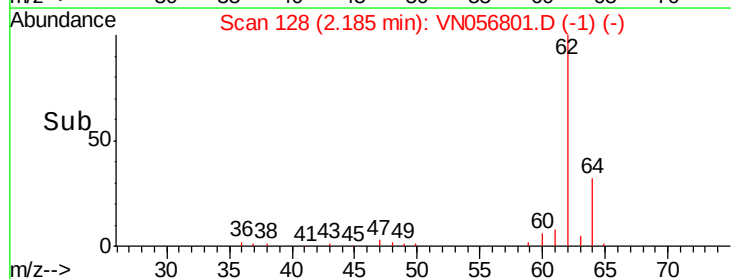
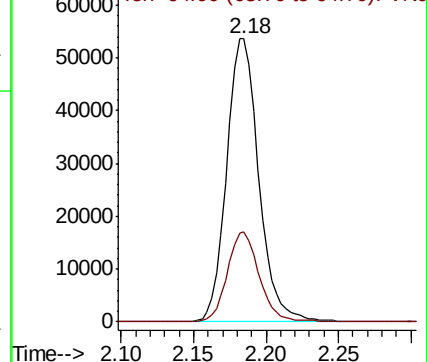
62 100

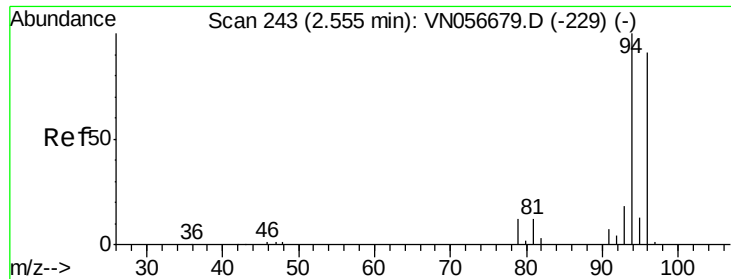
64 31.8 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

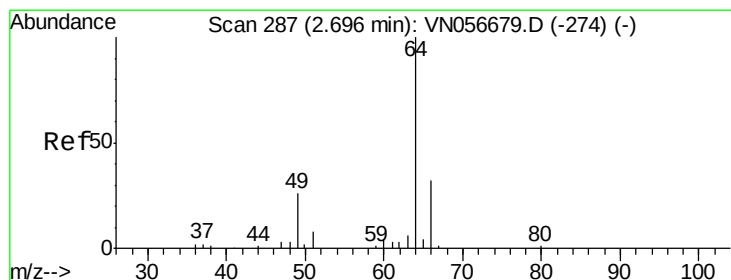
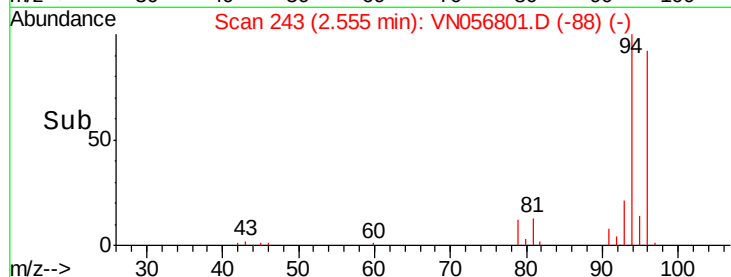
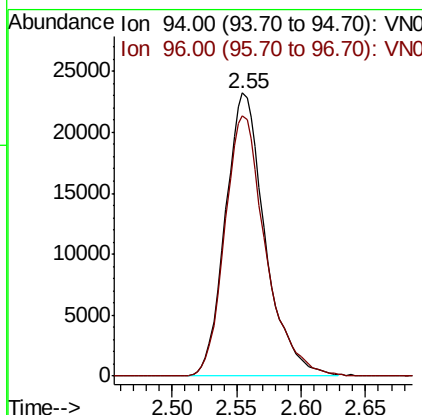
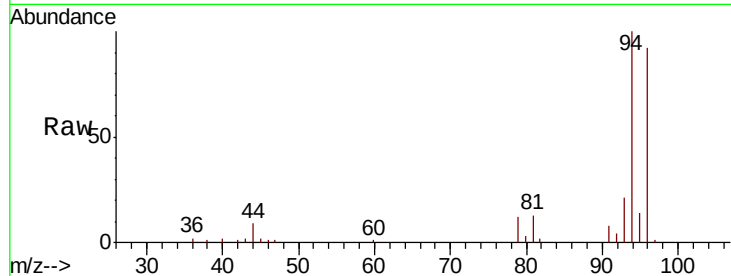




#5
Bromomethane
Concen: 19.769 ug/l
RT: 2.55 min Scan# 243
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

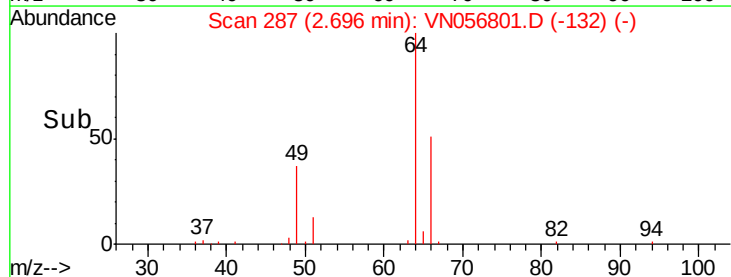
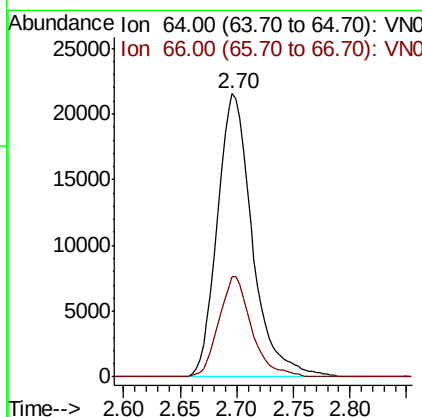
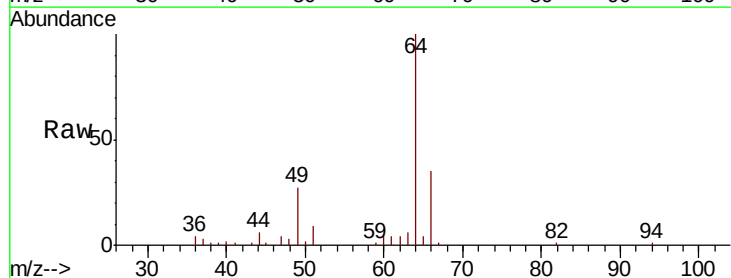
Instrument :
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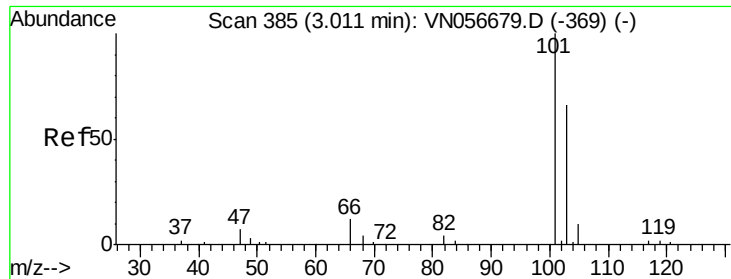
Tot Ion: 94 Resp: 49750
Ion Ratio Lower Upper
94 100
96 92.1 72.8 109.2



#6
Chloroethane
Concen: 20.323 ug/l
RT: 2.70 min Scan# 287
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 64 Resp: 46363
Ion Ratio Lower Upper
64 100
66 35.3 25.7 38.5



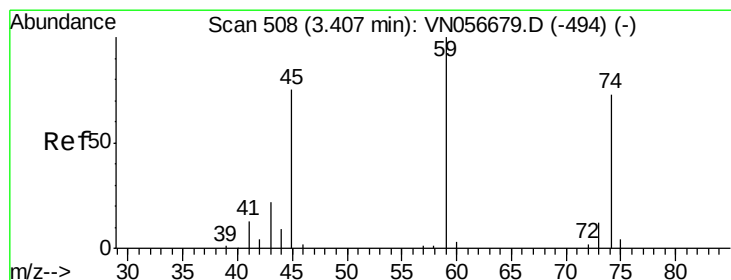
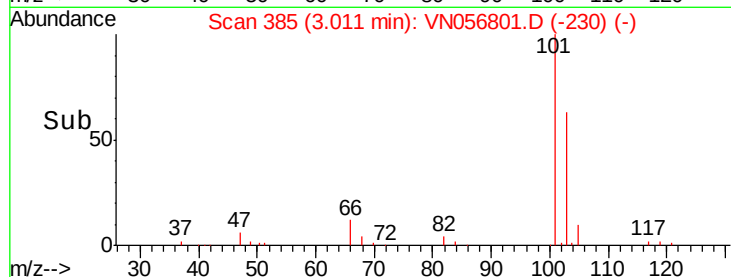
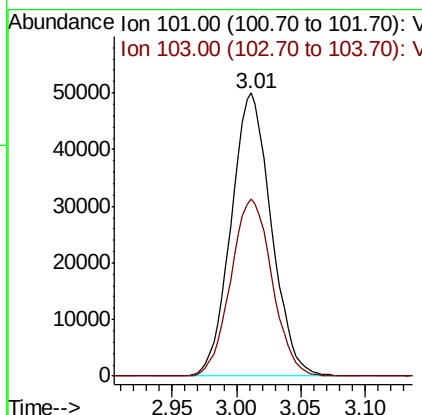
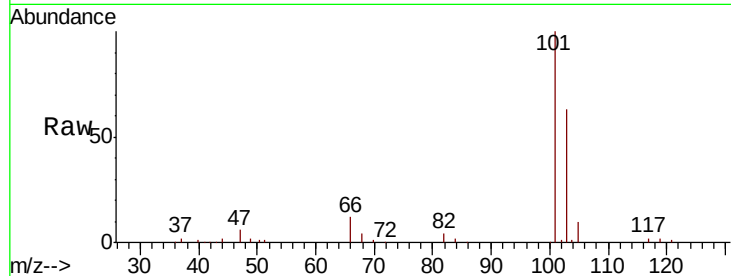


#7

Trichlorofluoromethane
 Concen: 21.119 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

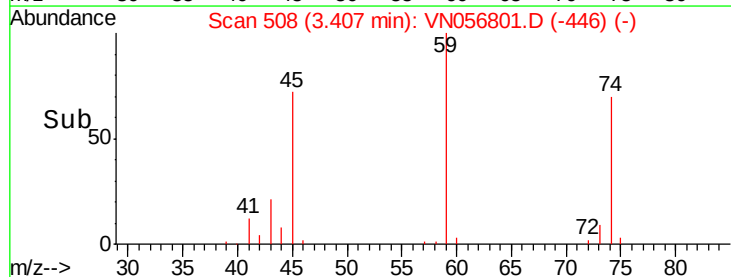
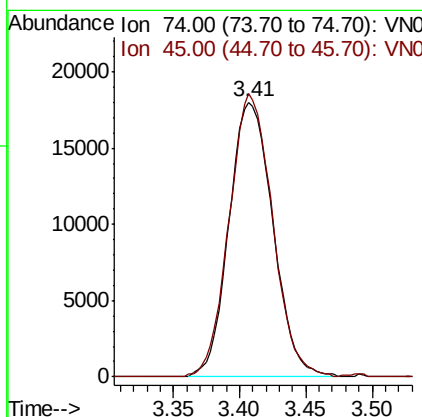
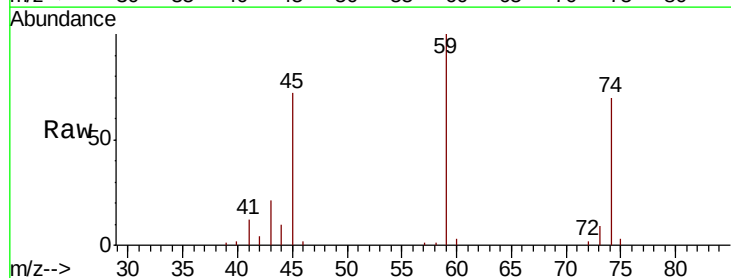
Tot Ion:101 Resp: 108147
 Ion Ratio Lower Upper
 101 100
 103 62.5 52.8 79.2

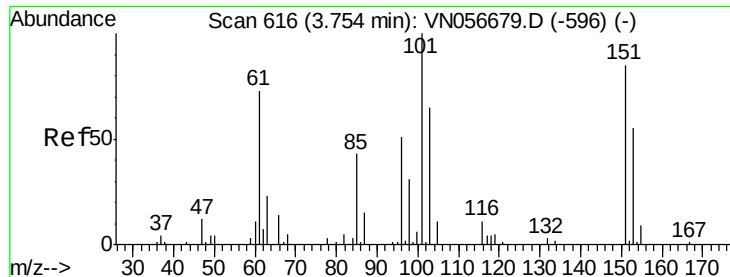


#8

Diethyl Ether
 Concen: 19.841 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion: 74 Resp: 41551
 Ion Ratio Lower Upper
 74 100
 45 101.7 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.192 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

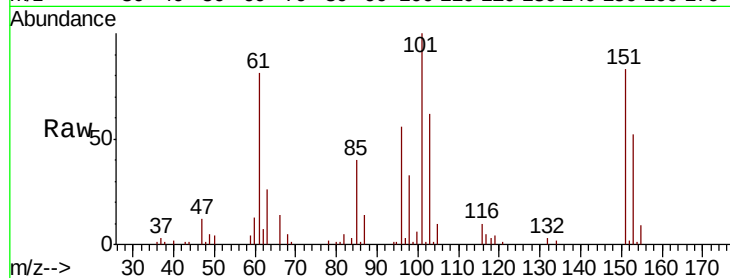
Tot Ion:101 Resp: 67672

Ion Ratio Lower Upper

101 100

85 41.0 0.0 84.2

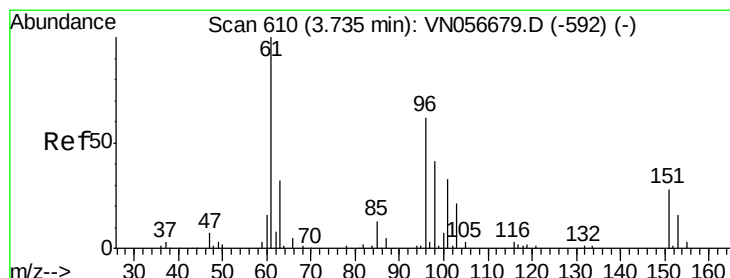
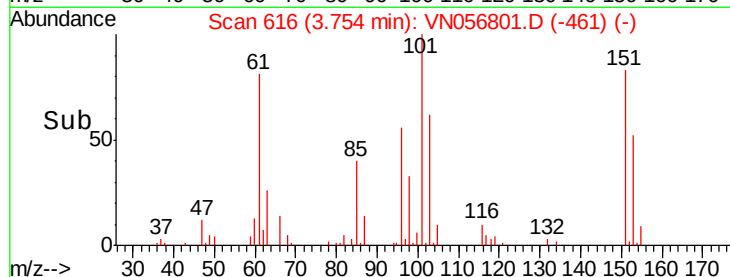
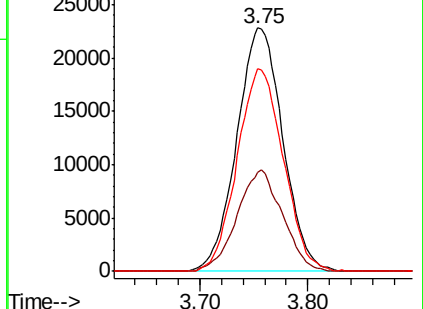
151 83.1 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.358 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

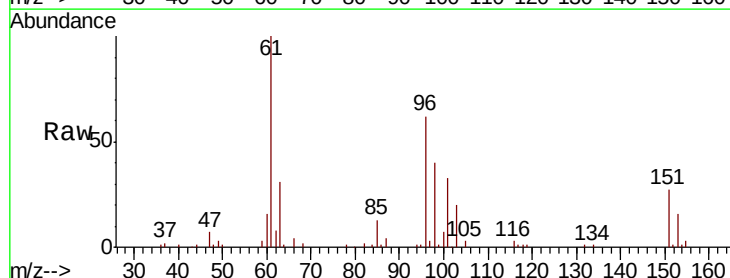
Tgt Ion: 96 Resp: 64134

Ion Ratio Lower Upper

96 100

61 159.7 129.0 193.4

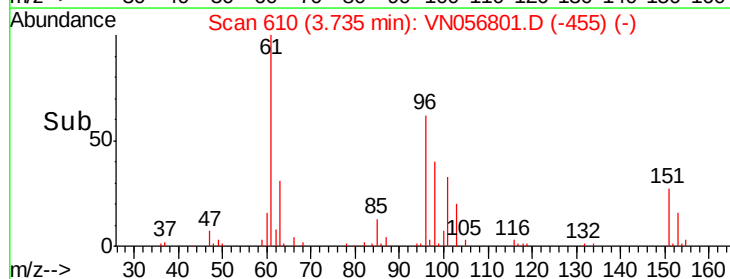
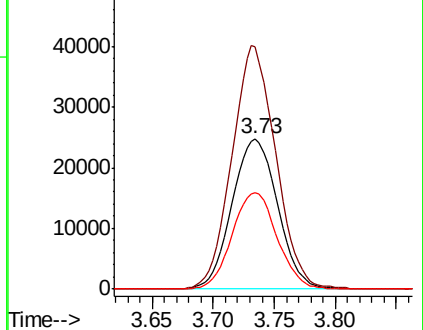
98 64.3 52.5 78.7

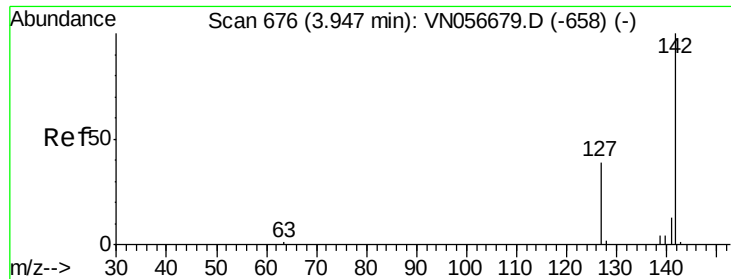


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

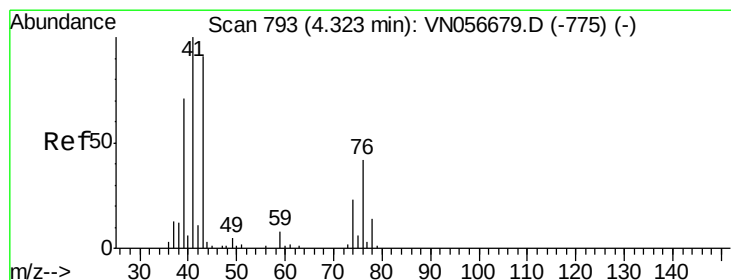
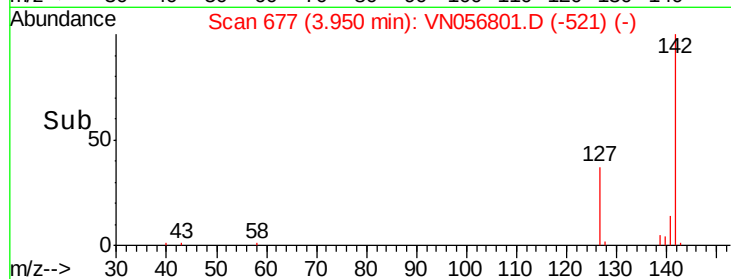
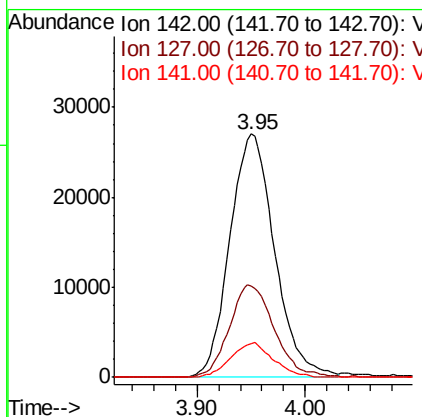
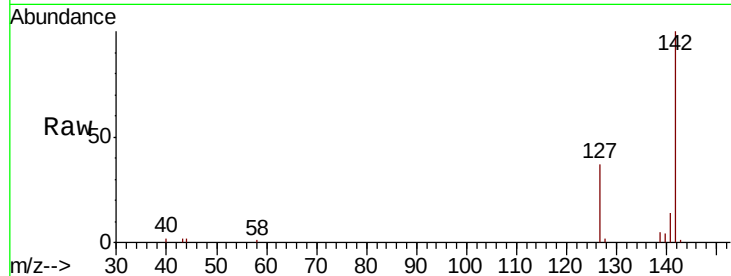




#11
Methvl Iodide
Concen: 18.647 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

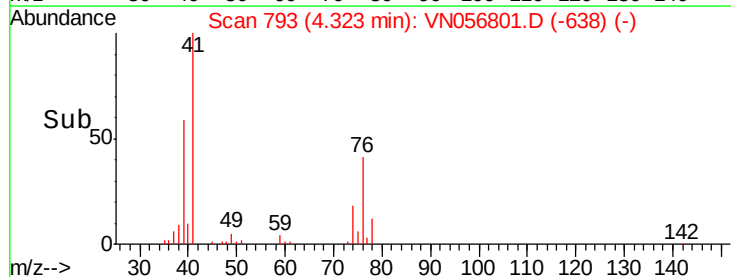
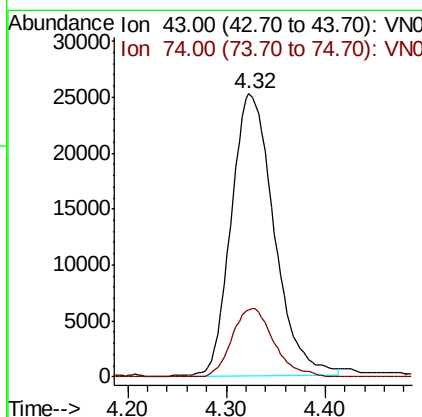
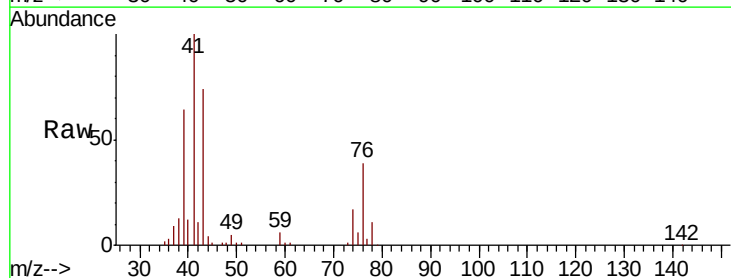
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

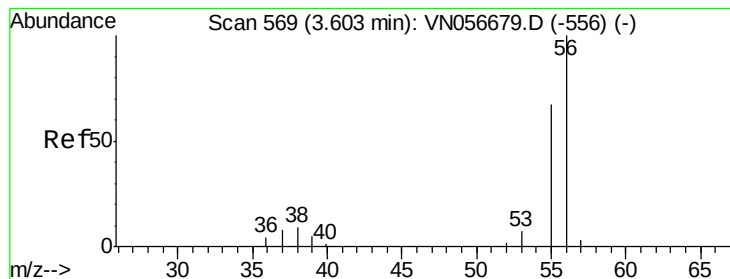
Tot Ion:142 Resp: 78067
Ion Ratio Lower Upper
142 100
127 37.4 19.5 58.5
141 14.1 6.8 20.3



#12
Methyl Acetate
Concen: 18.030 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 43 Resp: 76033
Ion Ratio Lower Upper
43 100
74 23.9 20.2 30.4





#13

Acrolein

Concen: 96.828 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

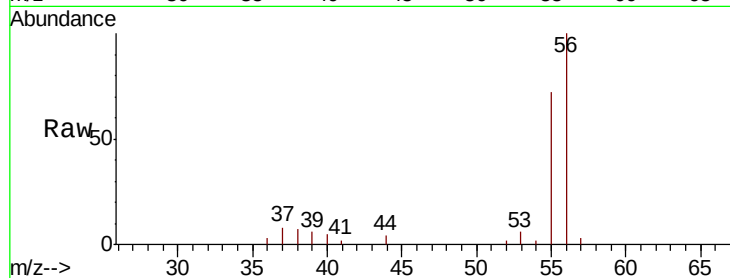
VSTDCCC020

Tot Ion: 56 Resp: 28788

Ion Ratio Lower Upper

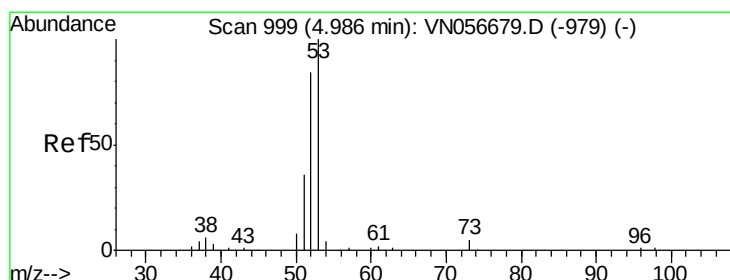
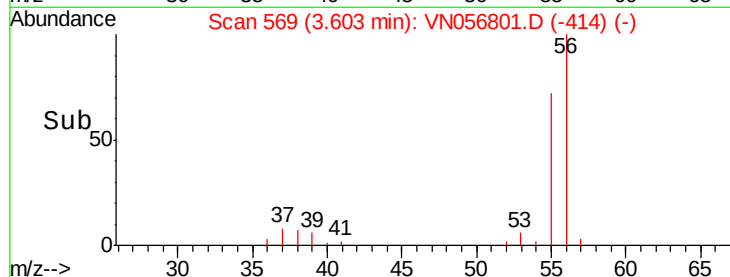
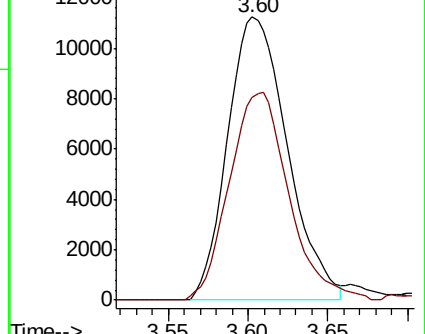
56 100

55 73.0 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 96.044 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

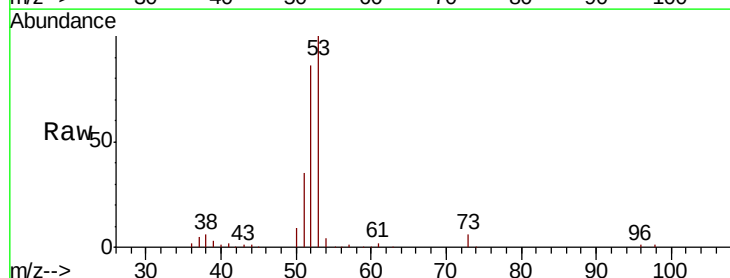
Tgt Ion: 53 Resp: 178417

Ion Ratio Lower Upper

53 100

52 81.3 41.3 123.7

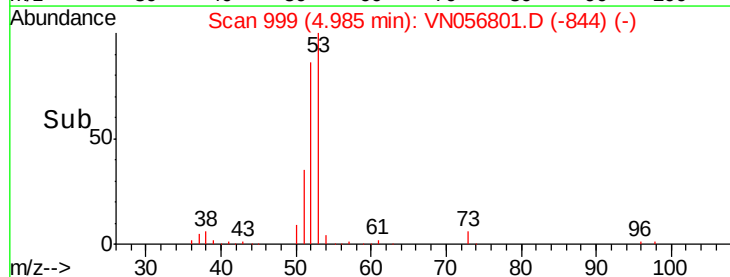
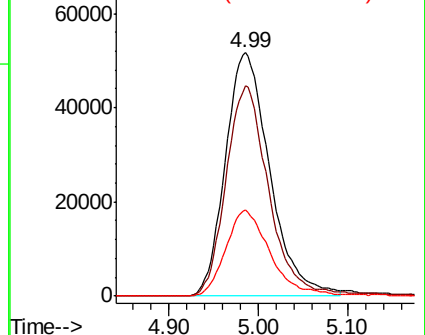
51 34.1 17.7 53.1

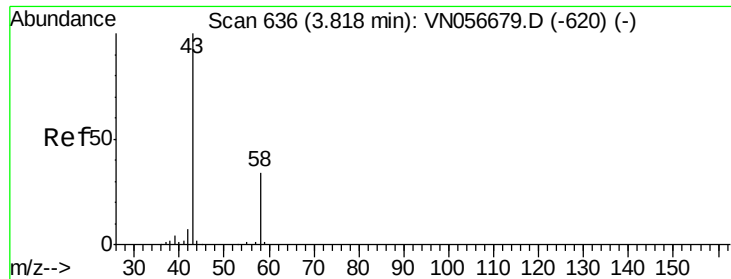


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 110.609 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

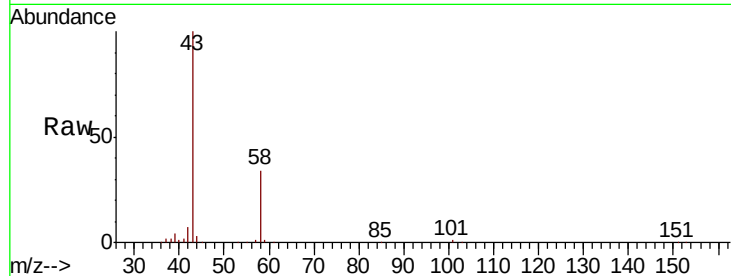
VSTDCCC020

Tot Ion: 58 Resp: 70927

Ion Ratio Lower Upper

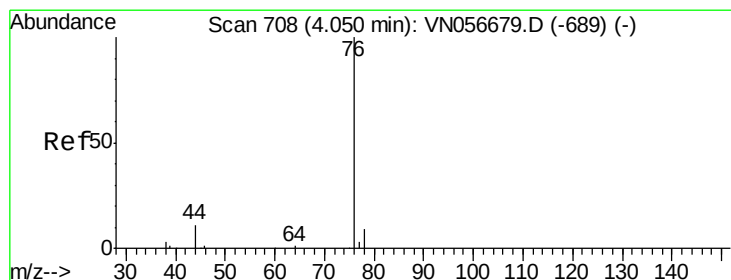
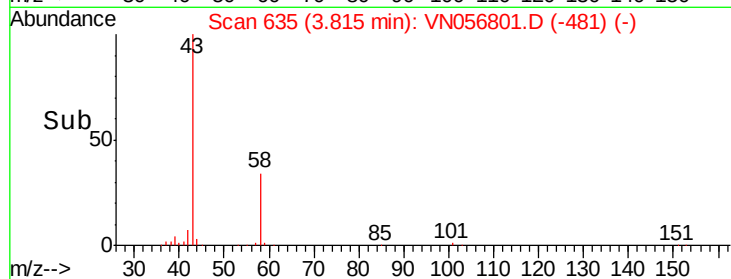
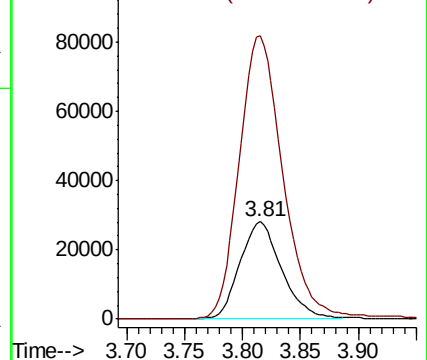
58 100

43 290.1 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.825 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056801.D

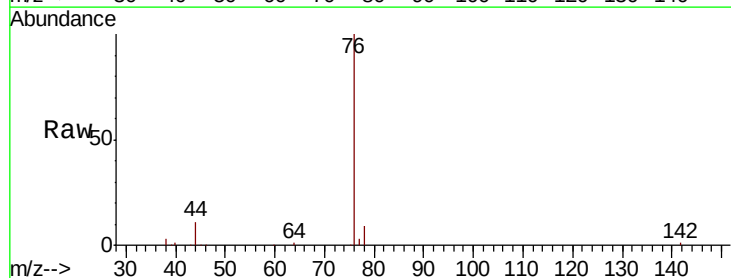
Acq: 18 Jul 2019 9:22

Tgt Ion: 76 Resp: 164721

Ion Ratio Lower Upper

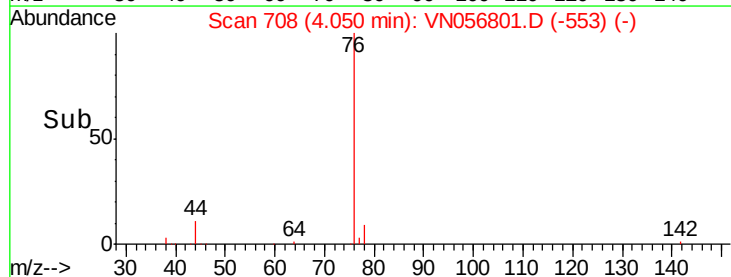
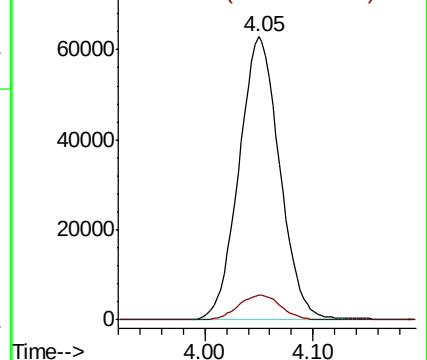
76 100

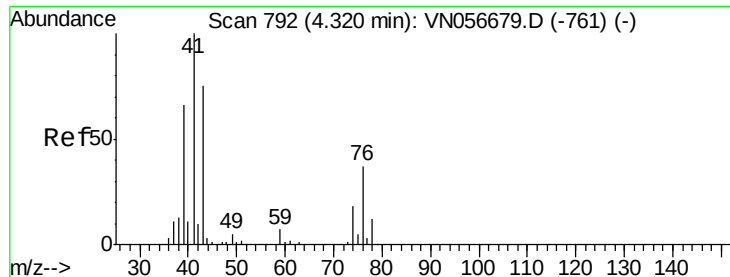
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

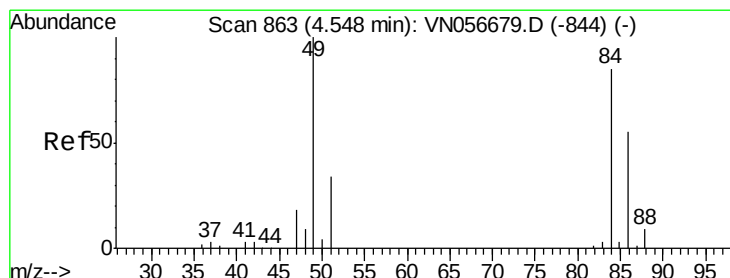
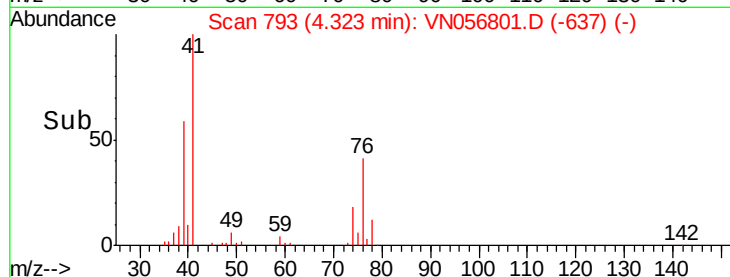
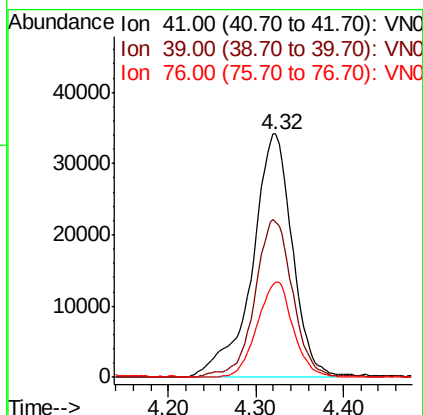
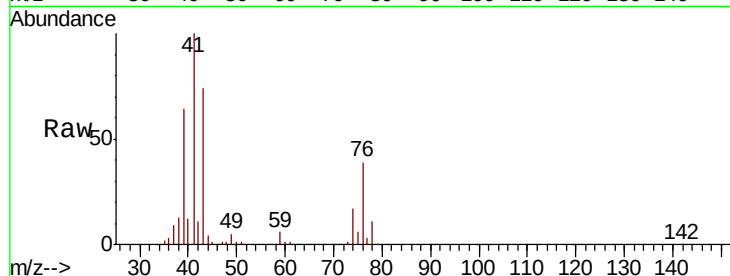




#17
Allvl chloride
Concen: 19.704 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

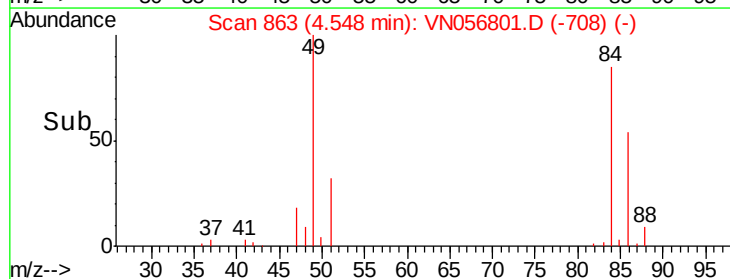
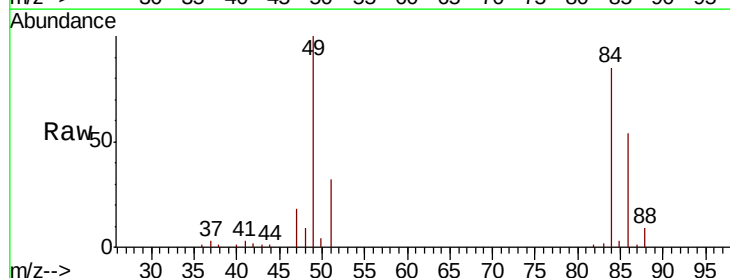
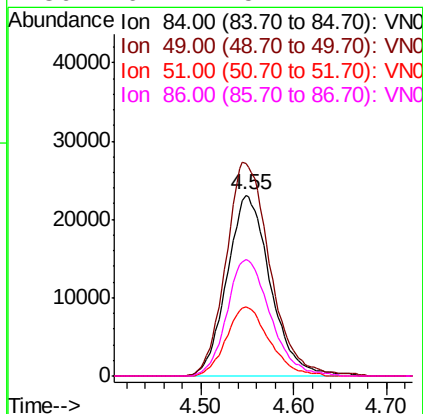
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

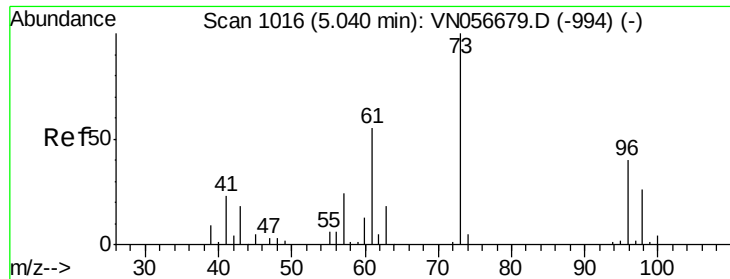
Tot Ion: 41 Resp: 108584
Ion Ratio Lower Upper
41 100
39 63.8 32.8 98.4
76 39.0 18.5 55.5



#18
Methylene Chloride
Concen: 20.216 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 84 Resp: 74771
Ion Ratio Lower Upper
84 100
49 117.0 93.9 140.9
51 38.0 31.7 47.5
86 64.1 51.4 77.2

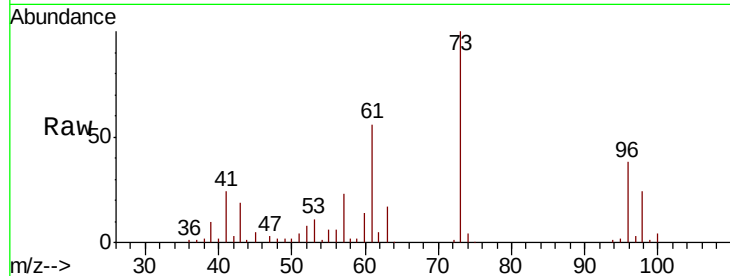




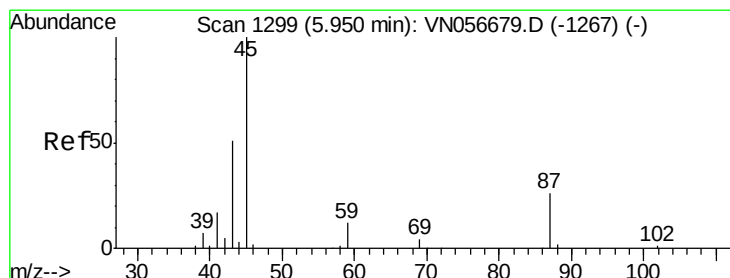
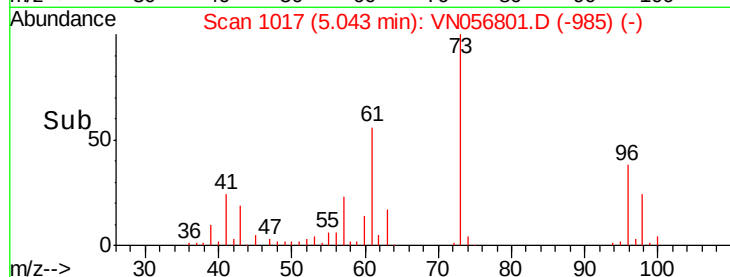
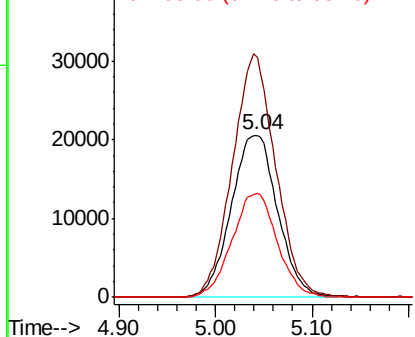
#19
trans-1,2-Dichloroethene
Concen: 20.325 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 96 Resp: 68547
Ion Ratio Lower Upper
96 100
61 147.6 109.6 164.4
98 64.5 51.4 77.2

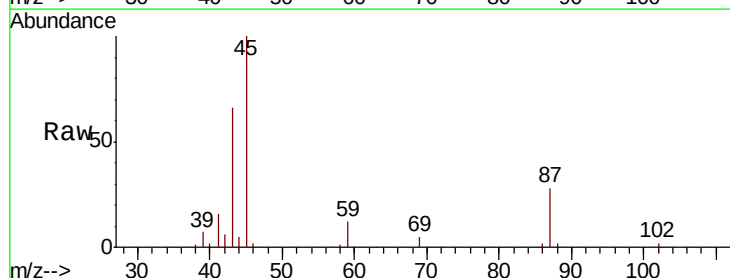


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

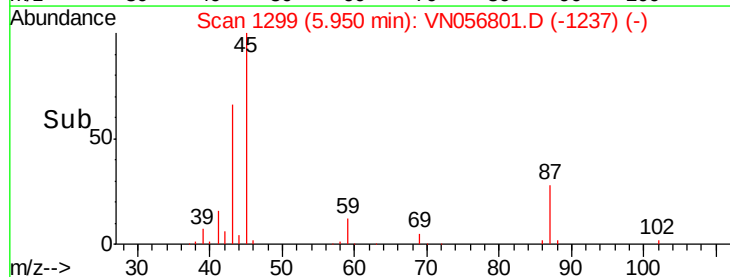
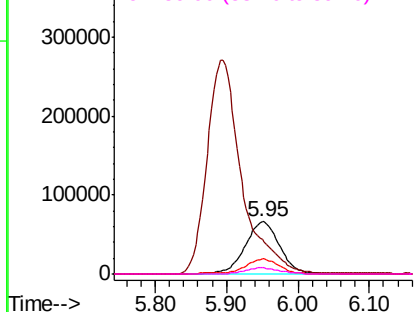


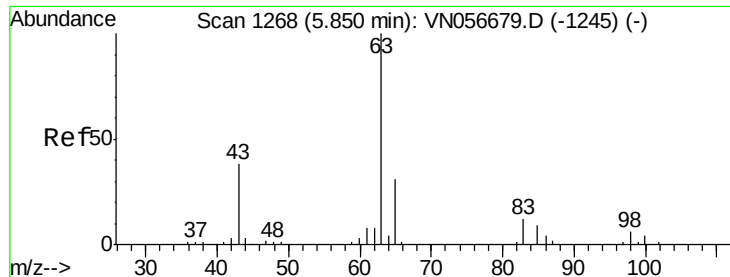
#20
Diisopropyl ether
Concen: 20.420 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 45 Resp: 224219
Ion Ratio Lower Upper
45 100
43 63.5 50.3 75.5
87 28.2 21.4 32.0
59 11.6 9.7 14.5



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

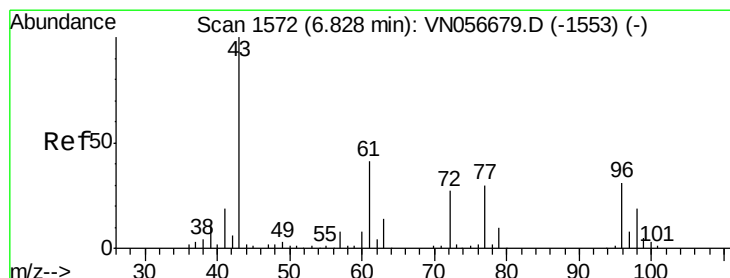
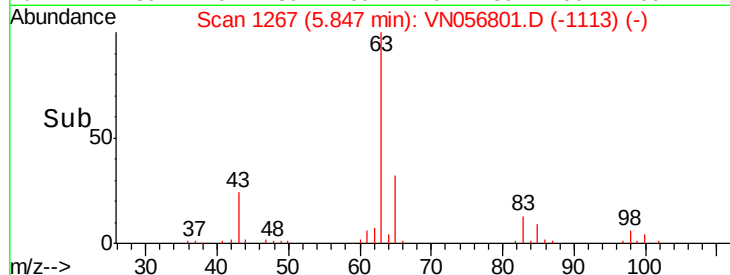
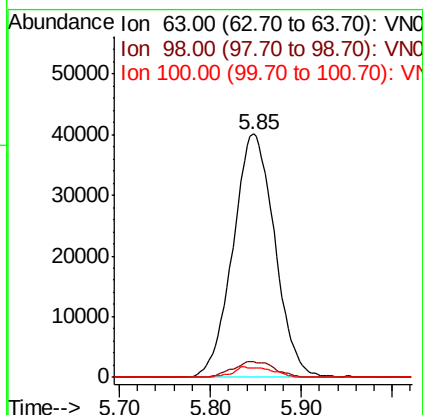
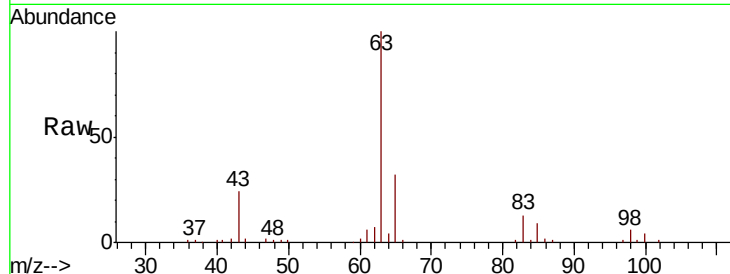




#21
 1,1-Dichloroethane
 Concen: 20.361 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

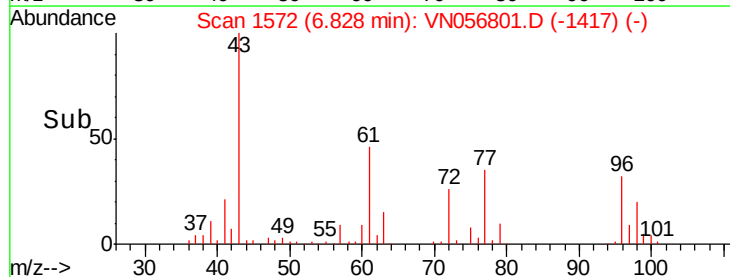
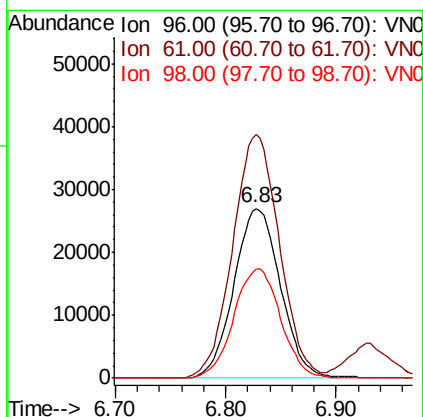
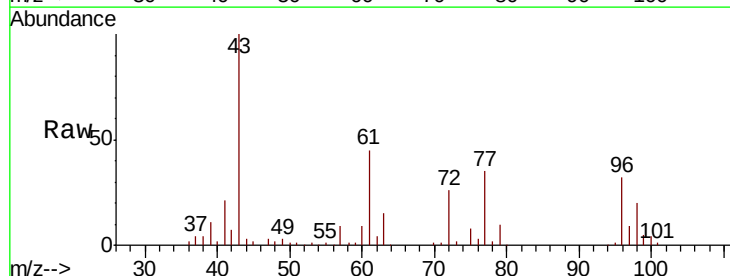
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

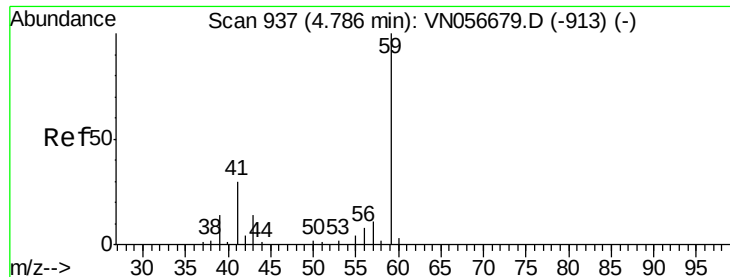
Tot Ion: 63 Resp: 127744
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.8
 100 3.6 2.1 6.3



#22
 cis-1,2-Dichloroethene
 Concen: 19.982 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion: 96 Resp: 78801
 Ion Ratio Lower Upper
 96 100
 61 144.1 112.1 168.1
 98 64.8 52.2 78.2

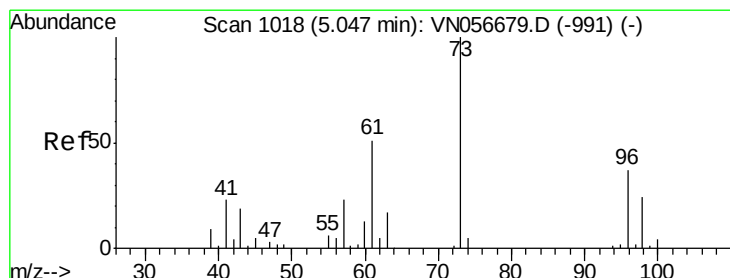
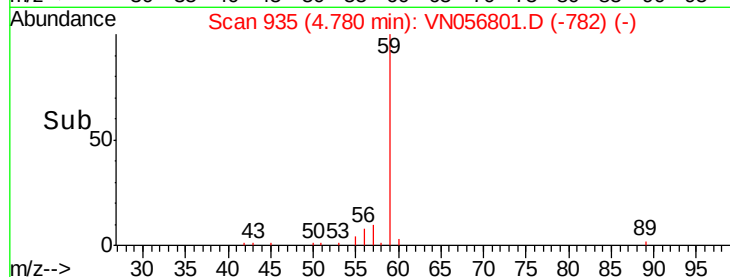
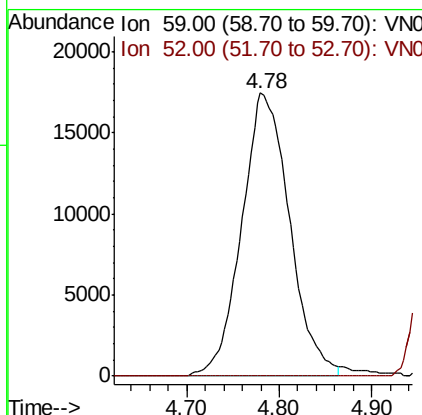
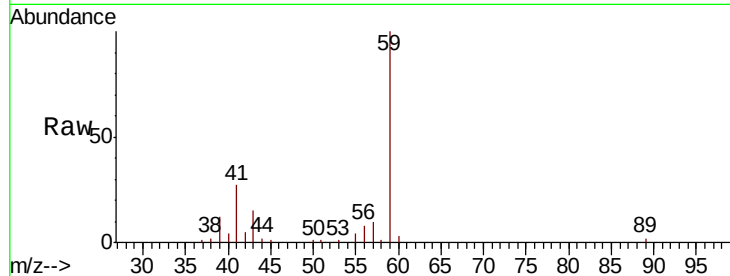




#23
 tert-Butyl Alcohol
 Concen: 96.643 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

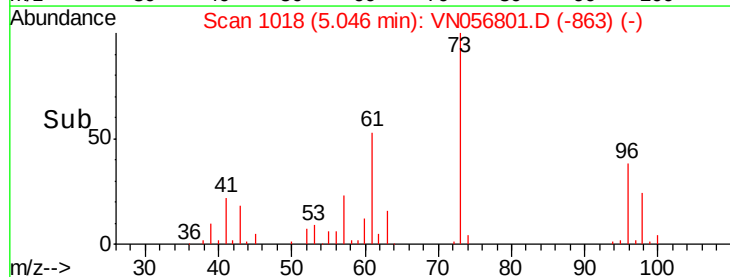
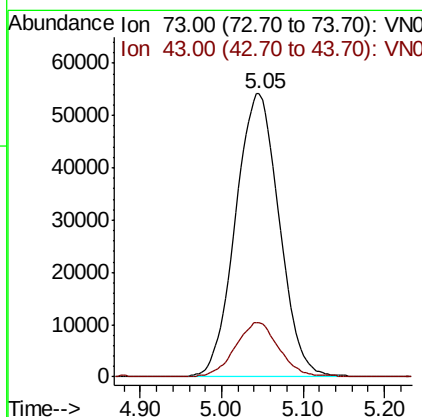
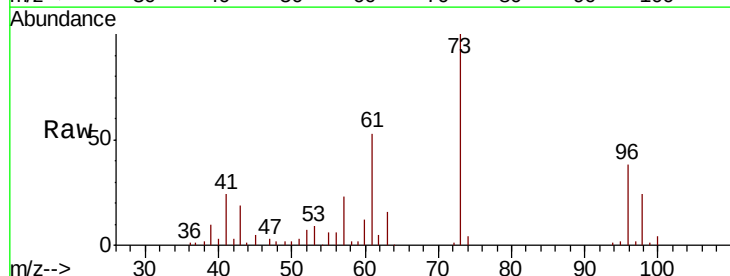
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

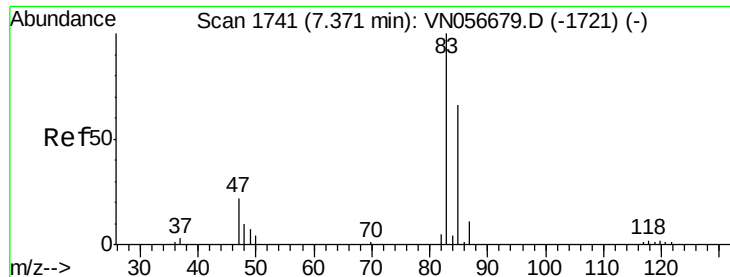
Tot Ion: 59 Resp: 62626
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 20.063 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion: 73 Resp: 201590
 Ion Ratio Lower Upper
 73 100
 43 18.6 15.1 22.7





#25

Chloroform

Concen: 20.529 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

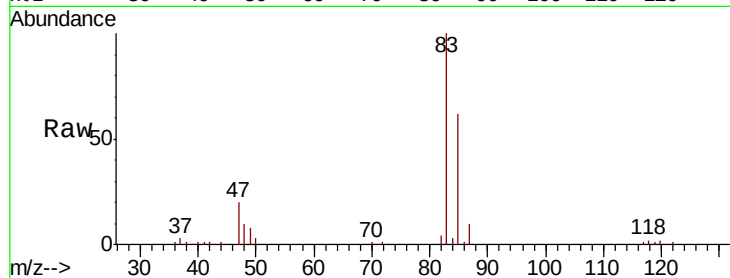
VSTDCCC020

Tot Ion: 83 Resp: 125480

Ion Ratio Lower Upper

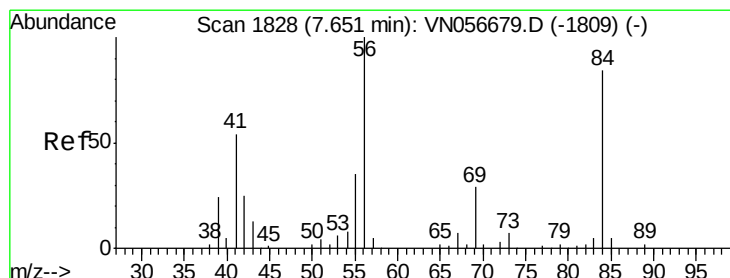
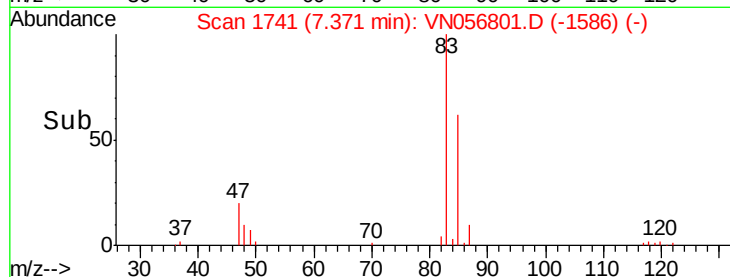
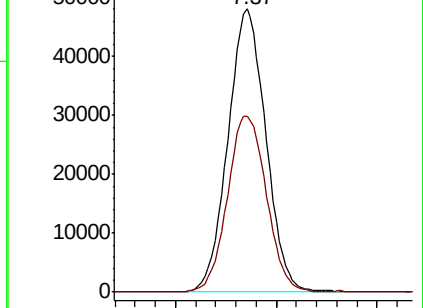
83 100

85 61.7 52.6 79.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 20.529 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

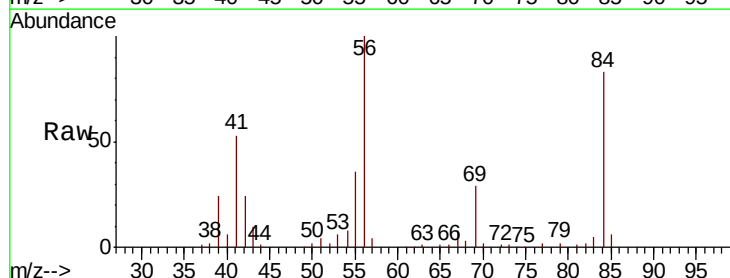
Tgt Ion: 56 Resp: 119720

Ion Ratio Lower Upper

56 100

89 0.0 1.4 2.2#

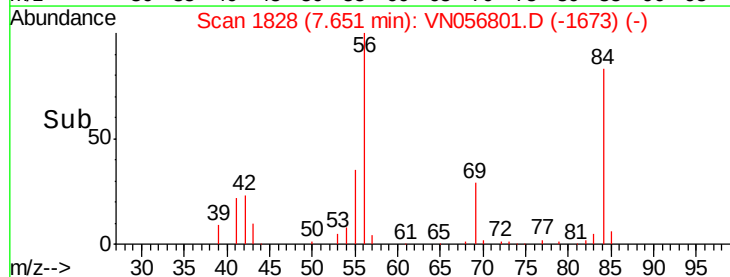
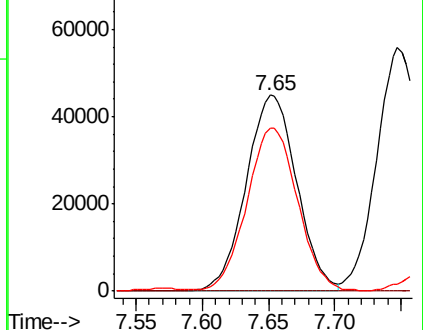
84 83.5 68.2 102.4

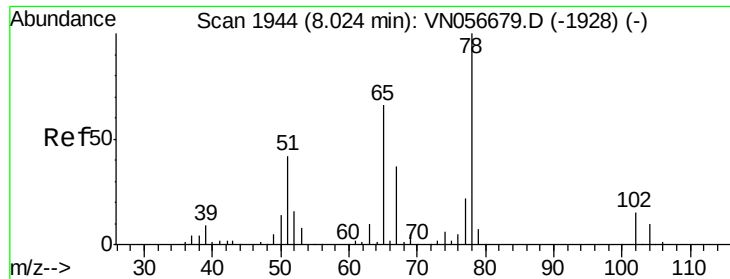


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

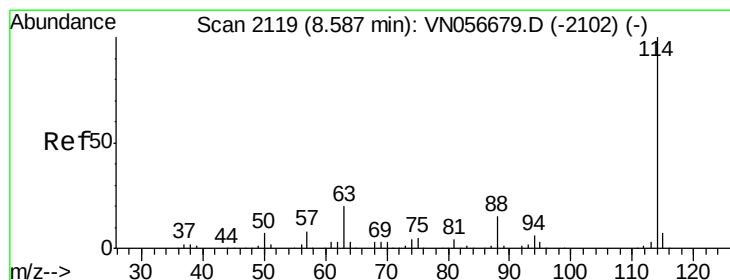
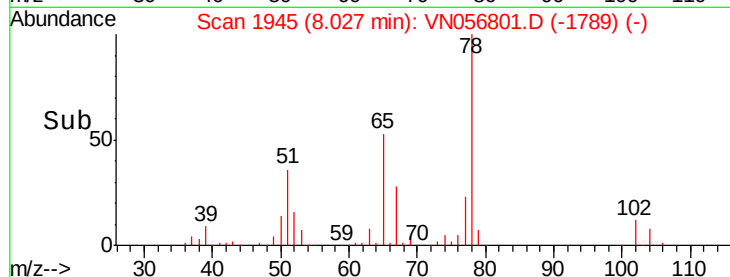
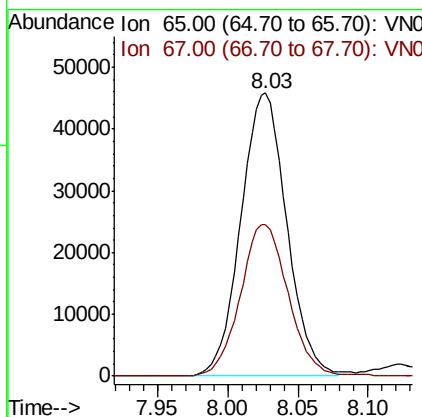
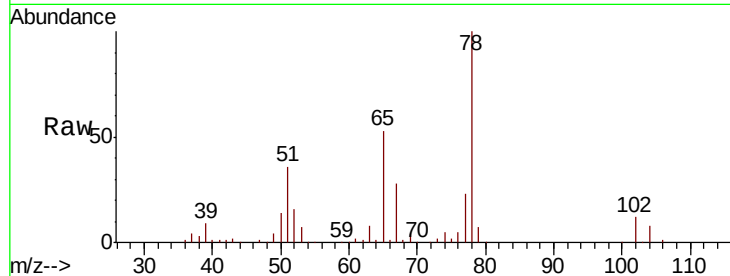




#27
 1,2-Dichloroethane-d4
 Concen: 28.827 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

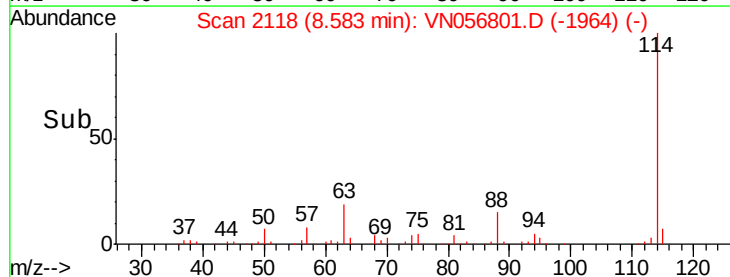
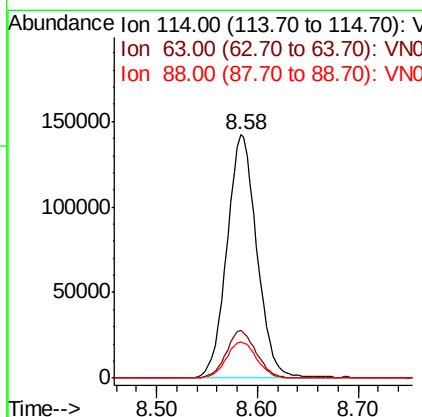
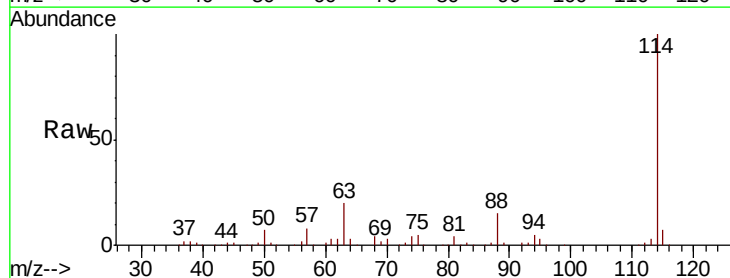
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

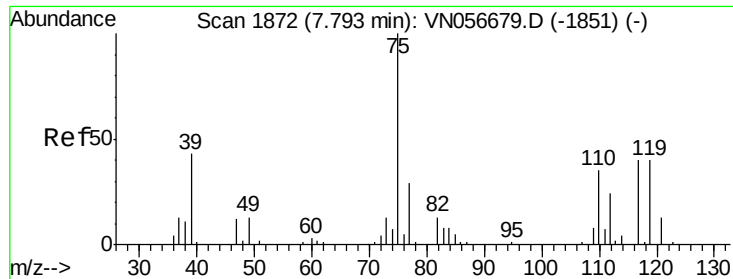
Tot Ion: 65 Resp: 104300
 Ion Ratio Lower Upper
 65 100
 67 55.6 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion: 114 Resp: 294544
 Ion Ratio Lower Upper
 114 100
 63 19.6 16.2 24.2
 88 15.3 12.3 18.5

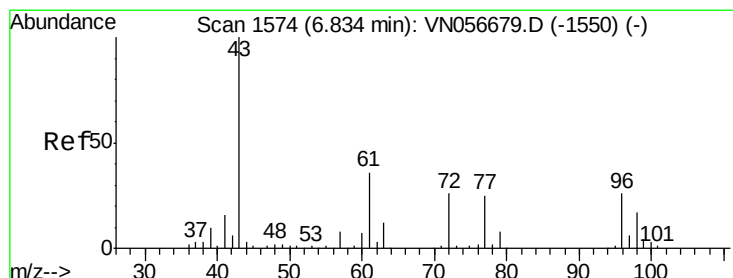
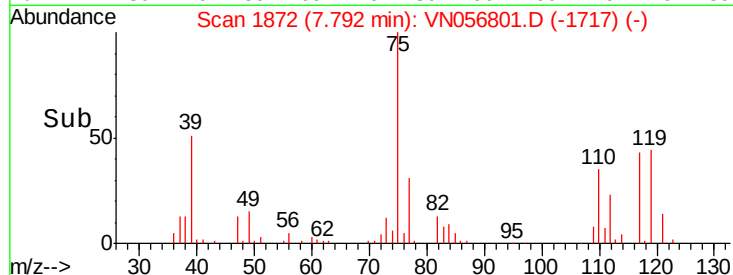
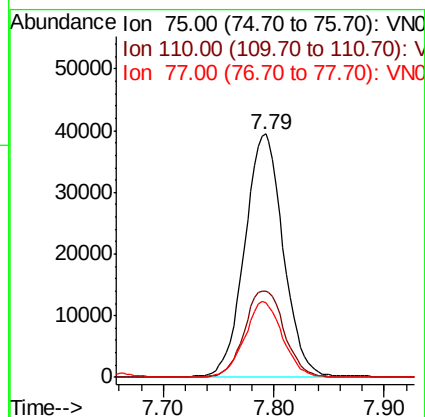
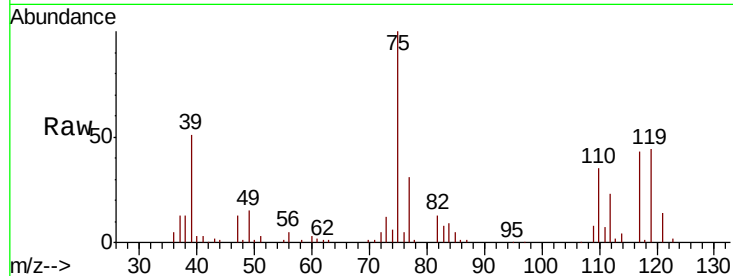




#29
 1,1-Dichloropropene
 Concen: 20.423 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

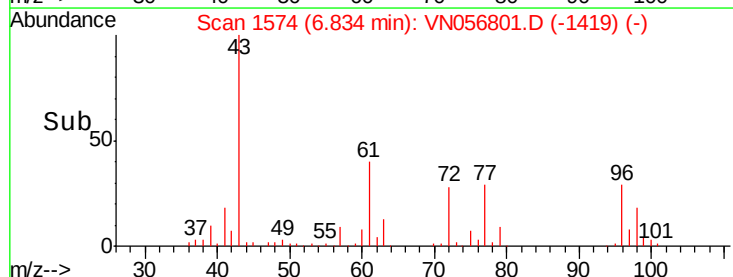
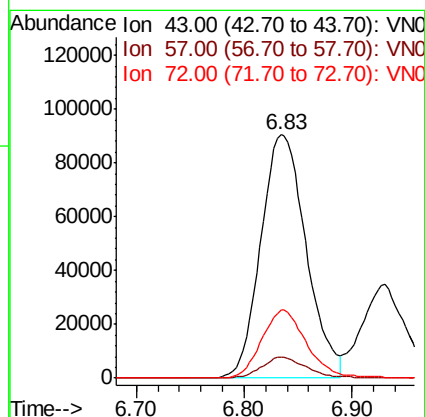
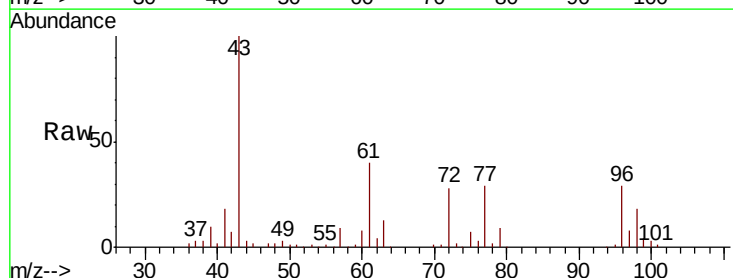
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

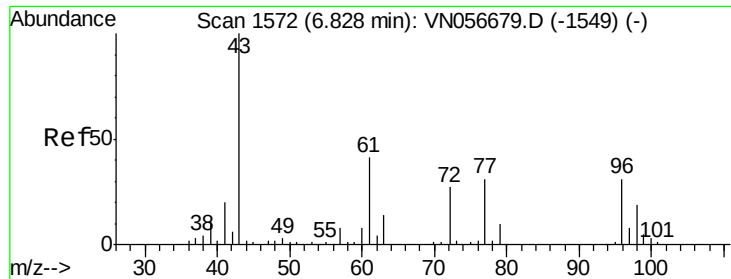
Tot Ion: 75 Resp: 95620
 Ion Ratio Lower Upper
 75 100
 110 36.5 0.0 72.4
 77 30.6 0.0 62.2



#30
 2-Butanone
 Concen: 97.454 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion: 43 Resp: 264176
 Ion Ratio Lower Upper
 43 100
 57 8.5 6.6 10.0
 72 27.7 21.3 31.9

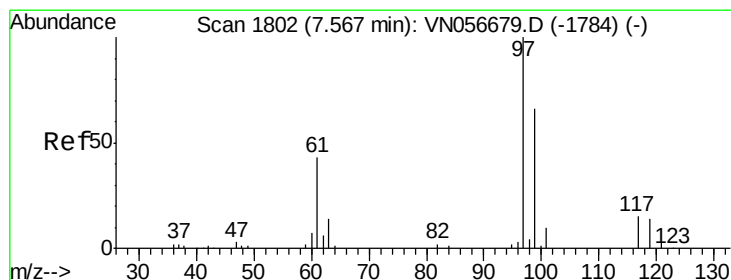
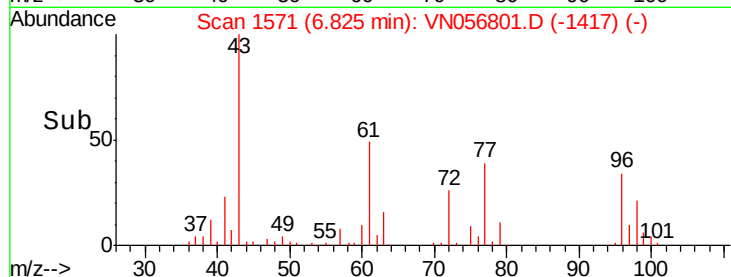
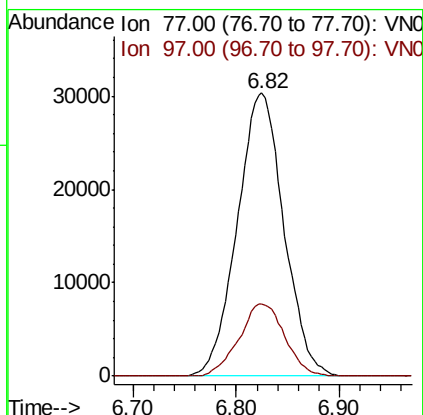
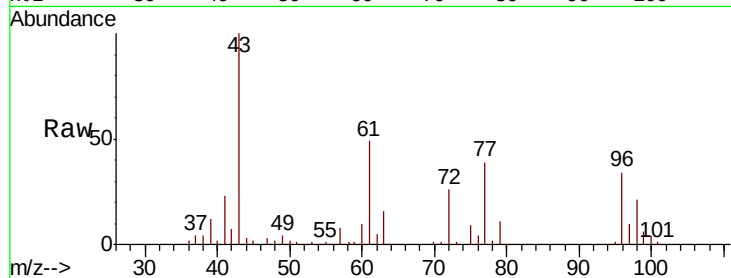




#31
 2,2-Dichloropropane
 Concen: 20.963 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

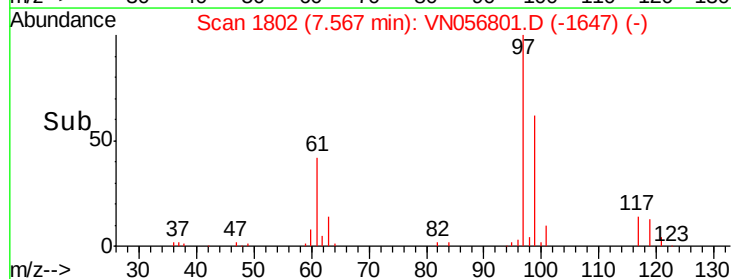
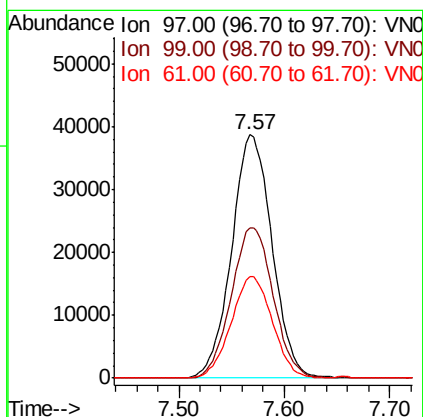
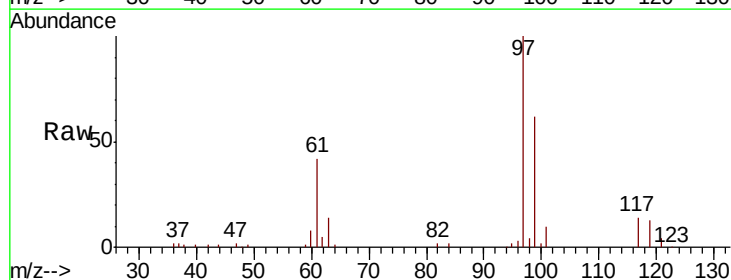
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

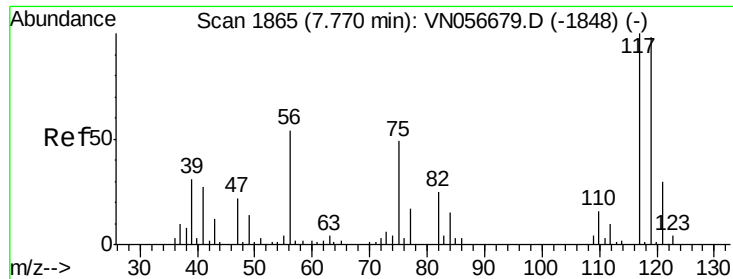
Tot Ion: 77 Resp: 94988
 Ion Ratio Lower Upper
 77 100
 97 25.1 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 20.692 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion: 97 Resp: 103269
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.0 78.0
 61 42.5 34.4 51.6

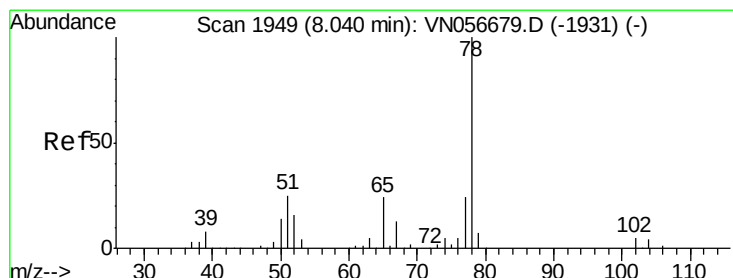
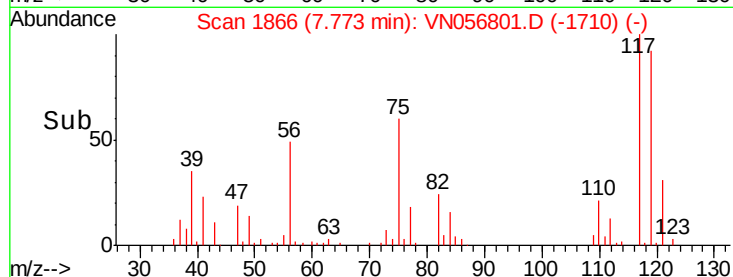
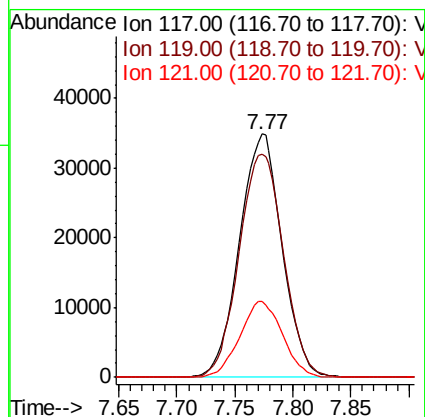
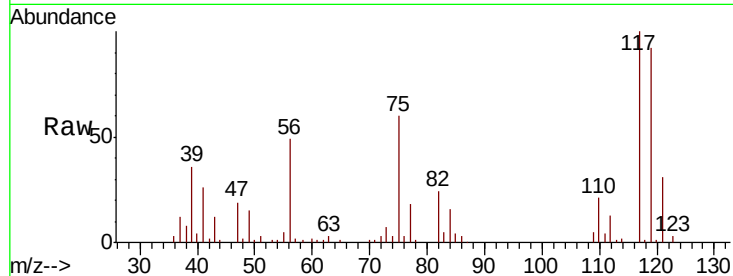




#33
Carbon Tetrachloride
Concen: 20.731 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

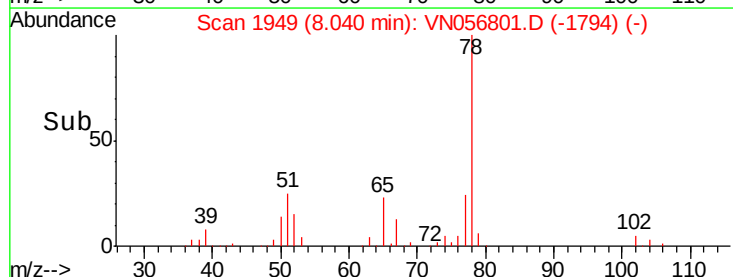
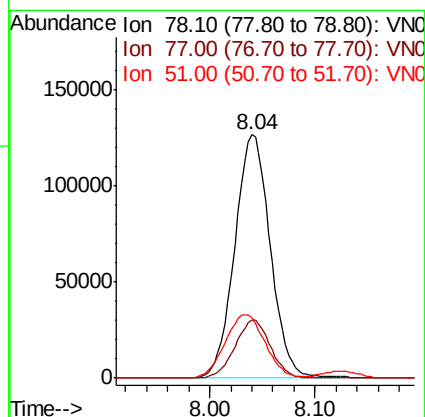
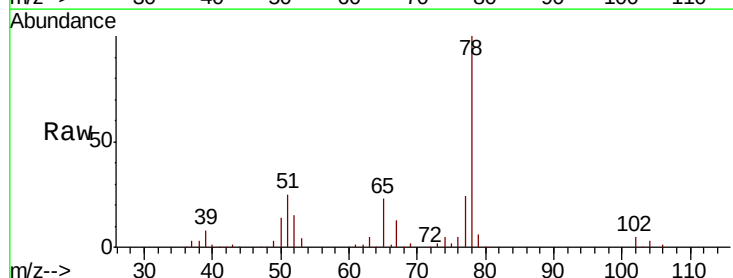
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

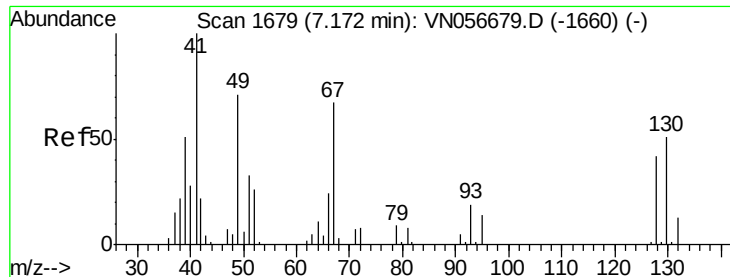
Tot Ion:117 Resp: 89035
Ion Ratio Lower Upper
117 100
119 91.8 78.7 118.1
121 31.0 24.0 36.0



#34
Benzene
Concen: 20.601 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 78 Resp: 296366
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4
51 24.6 19.7 29.5

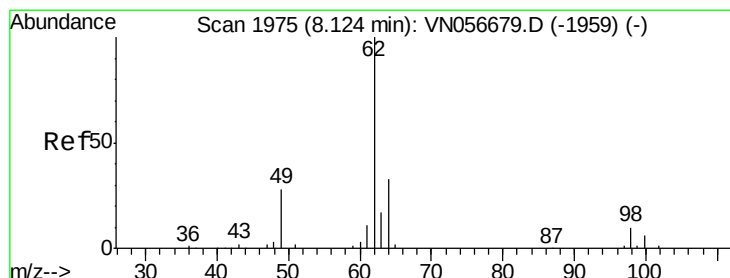
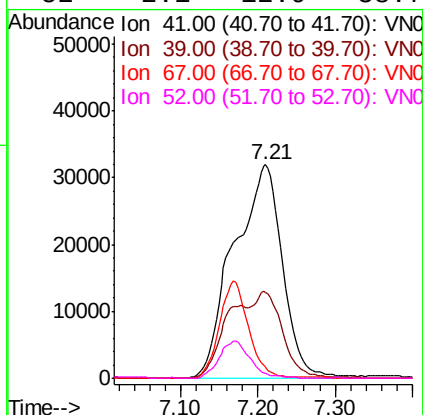
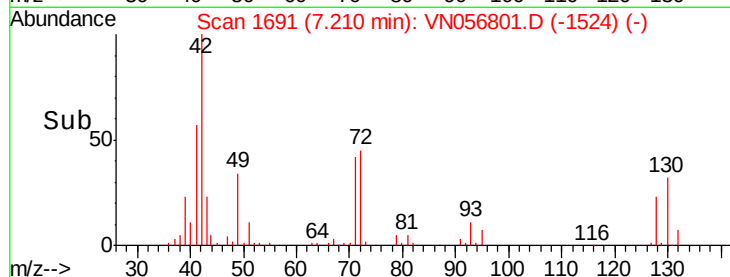
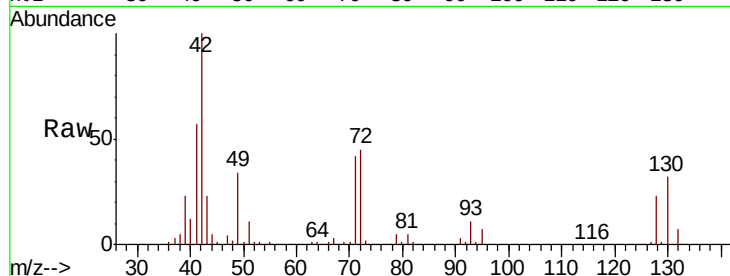




#35
Methacrylonitrile
Concen: 67.507 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

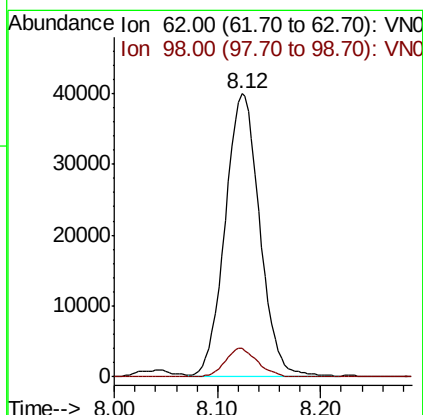
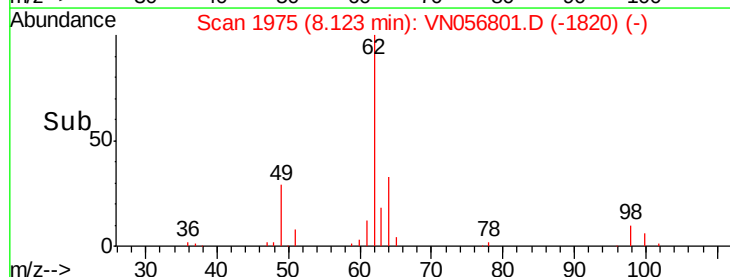
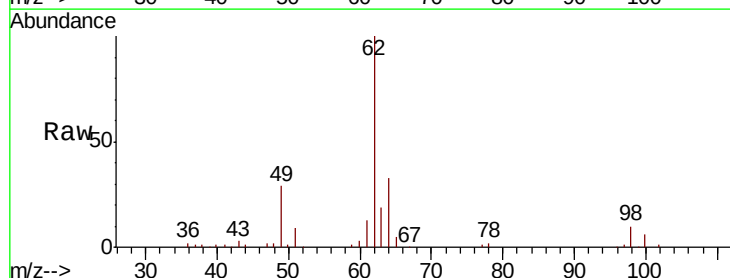
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

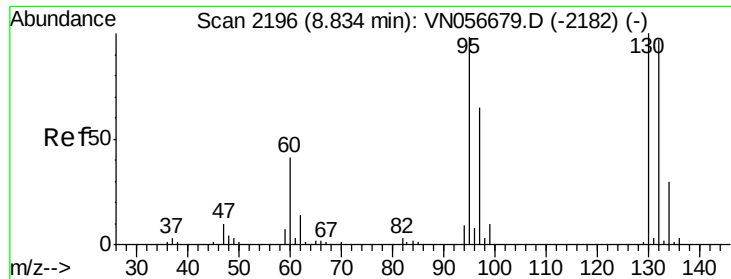
Tot Ion: 41 Resp: 139800
Ion Ratio Lower Upper
41 100
39 39.9 25.4 76.2
67 5.2 33.6 100.8#
52 2.1 12.9 38.7#



#36
1,2-Dichloroethane
Concen: 20.277 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 62 Resp: 93701
Ion Ratio Lower Upper
62 100
98 9.3 7.7 11.5

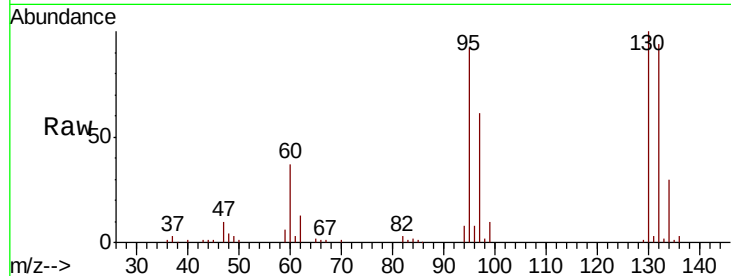




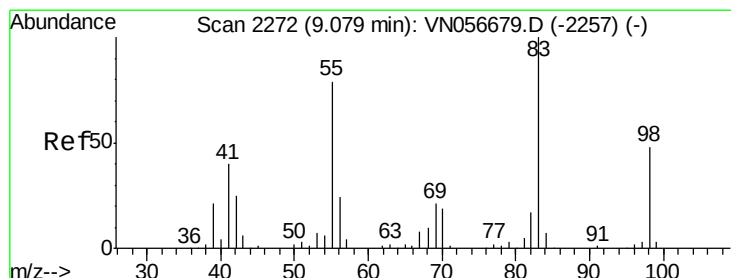
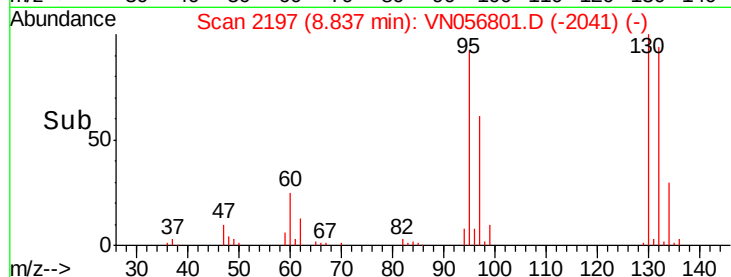
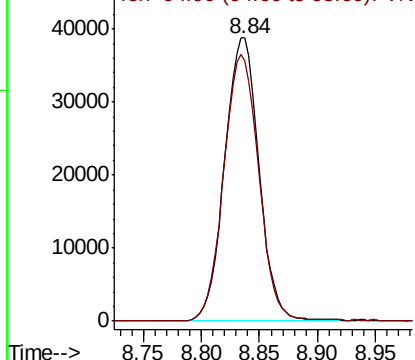
#37
 Trichloroethene
 Concen: 20.341 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 79472
 Ion Ratio Lower Upper
 130 100
 95 91.8 78.4 117.6

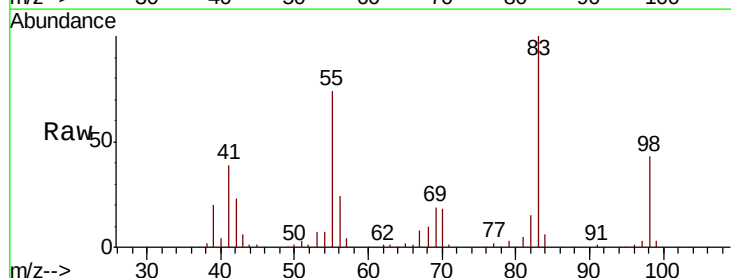


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

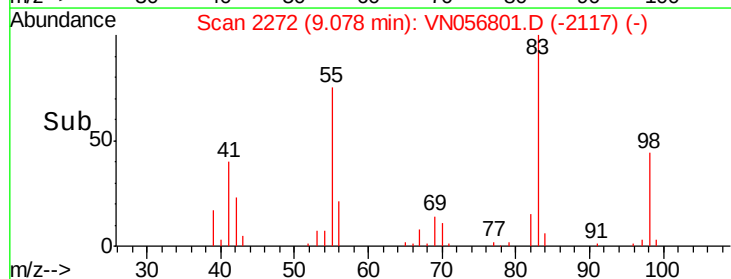
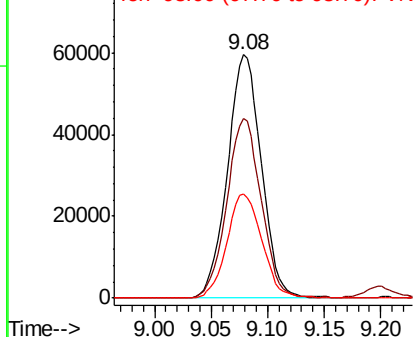


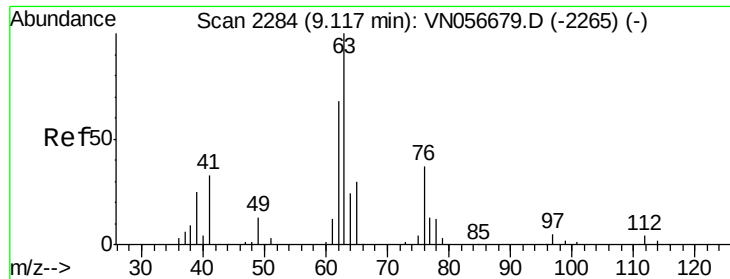
#38
 Methylcyclohexane
 Concen: 21.011 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion: 83 Resp: 124273
 Ion Ratio Lower Upper
 83 100
 55 74.5 38.4 115.2
 98 44.1 23.3 69.9



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





#39

1,2-Dichloropropane

Concen: 20.236 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

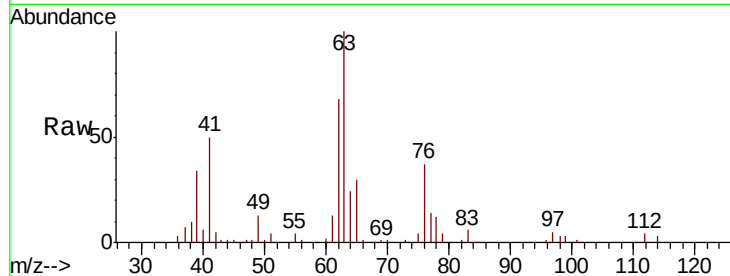
VSTDCCC020

Tot Ion: 63 Resp: 78138

Ion Ratio Lower Upper

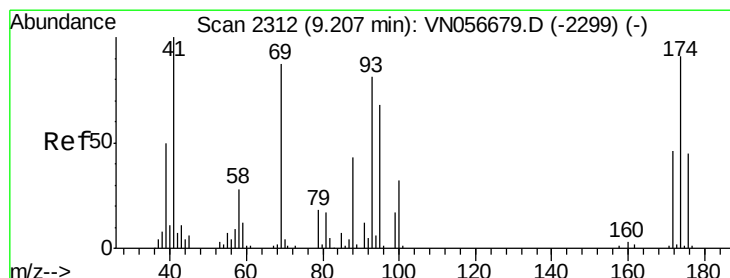
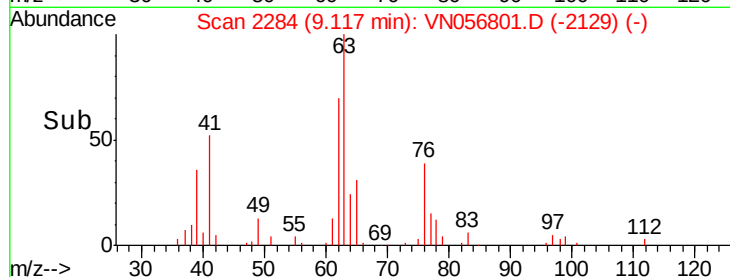
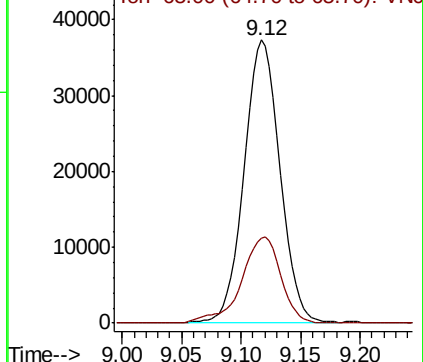
63 100

65 30.1 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.312 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

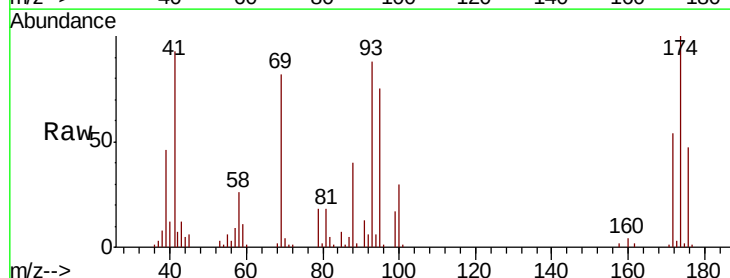
Tgt Ion: 93 Resp: 49958

Ion Ratio Lower Upper

93 100

95 84.1 0.0 167.0

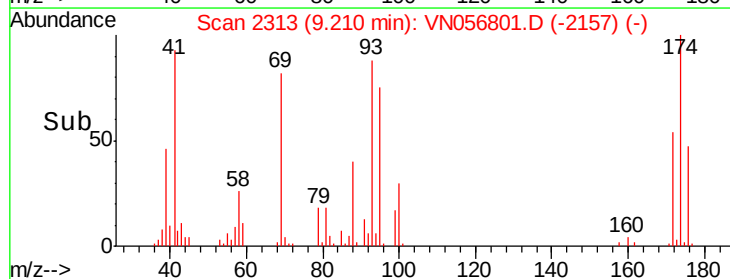
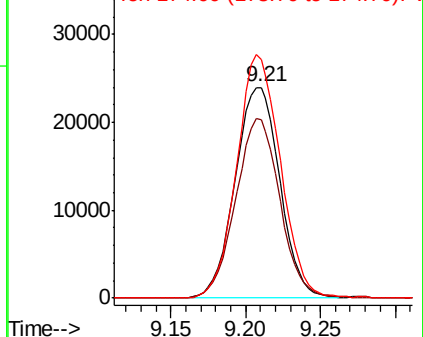
174 112.7 0.0 224.2

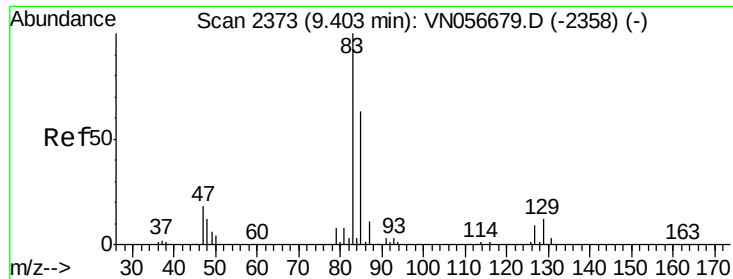


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.548 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

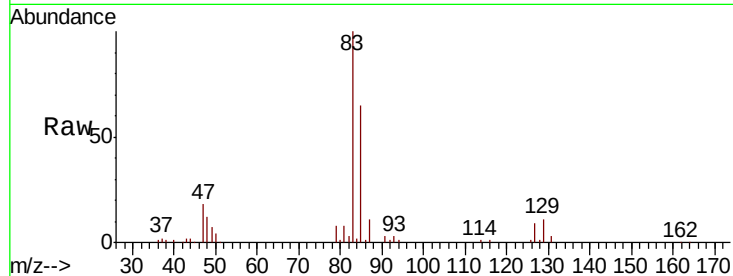
Tot Ion: 83 Resp: 93140

Ion Ratio Lower Upper

83 100

85 65.1 50.1 75.1

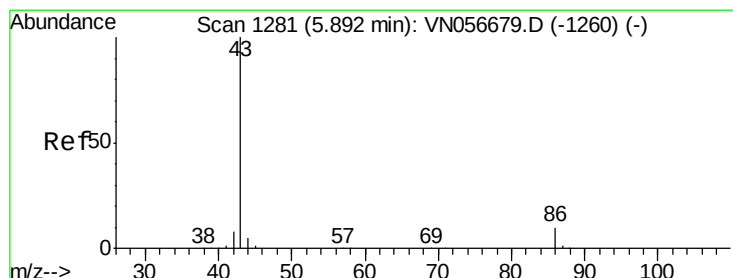
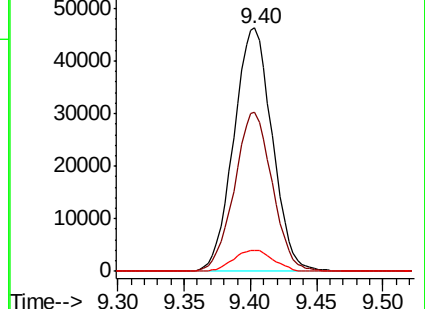
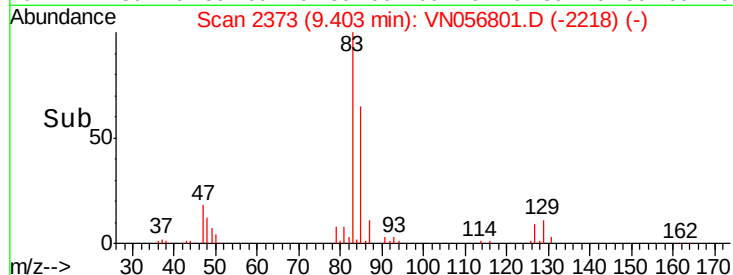
127 8.7 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN056801.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN056801.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN056801.D (-2218) (-)



#42

Vinyl Acetate

Concen: 101.075 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056801.D

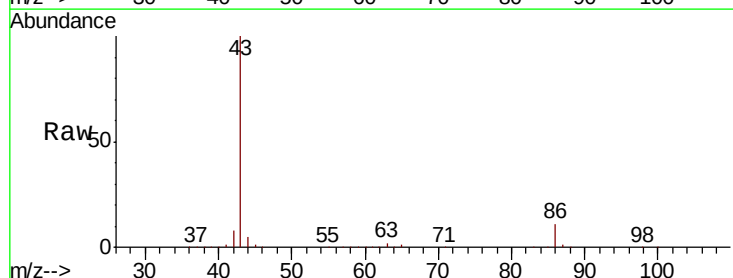
Acq: 18 Jul 2019 9:22

Tgt Ion: 43 Resp: 911884

Ion Ratio Lower Upper

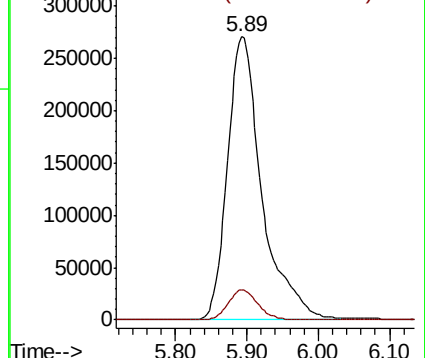
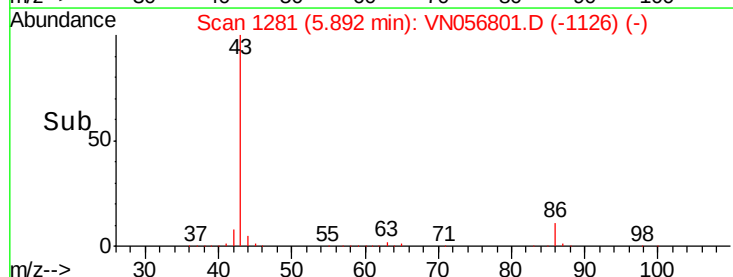
43 100

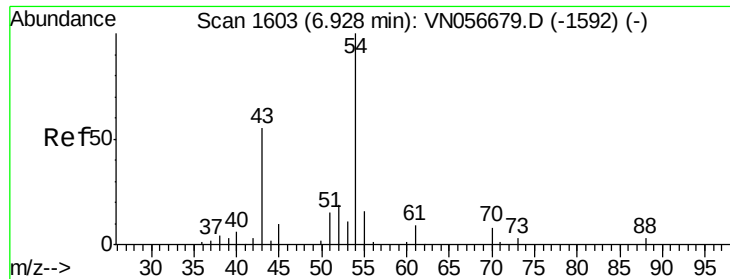
86 9.1 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN056801.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN056801.D (-1126) (-)





#43

Ethyl Acetate

Concen: 19.172 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

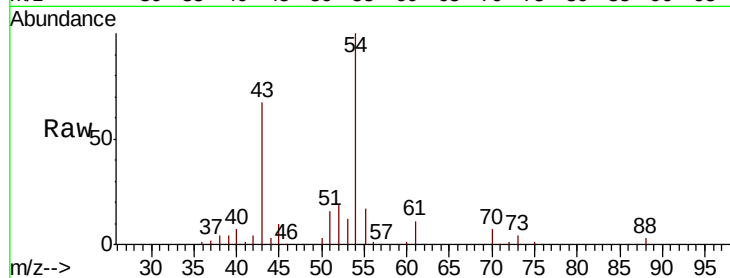
VSTDCCC020

Tot Ion: 43 Resp: 93917

Ion Ratio Lower Upper

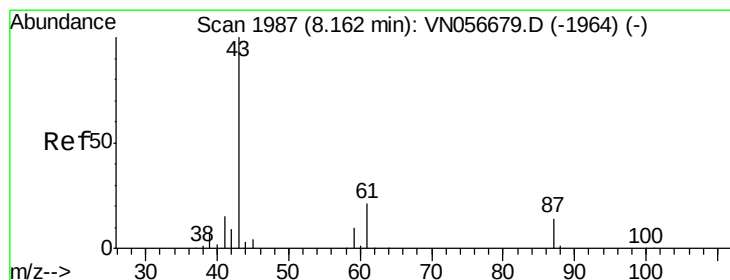
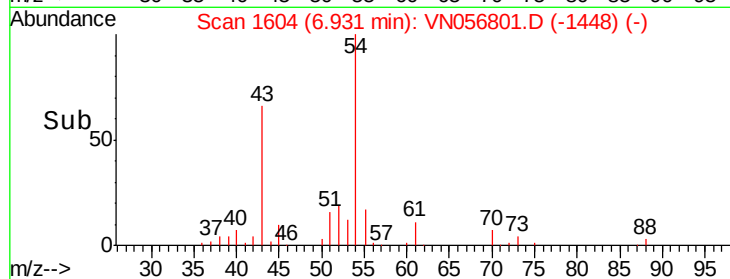
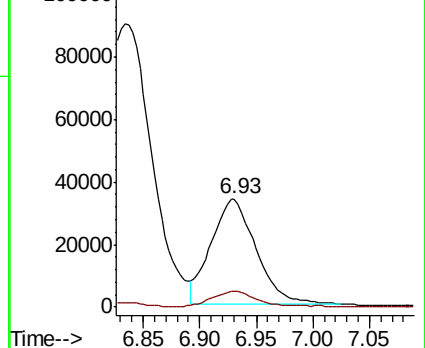
43 100

45 15.2 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.385 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056801.D

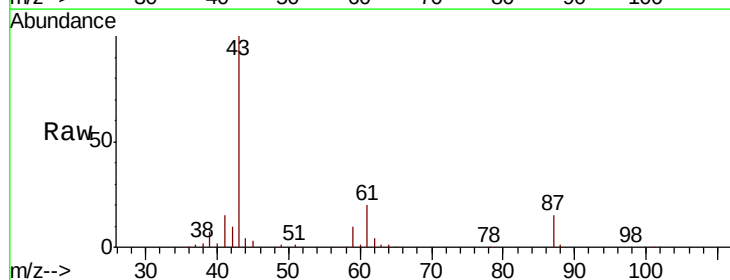
Acq: 18 Jul 2019 9:22

Tgt Ion: 43 Resp: 148110

Ion Ratio Lower Upper

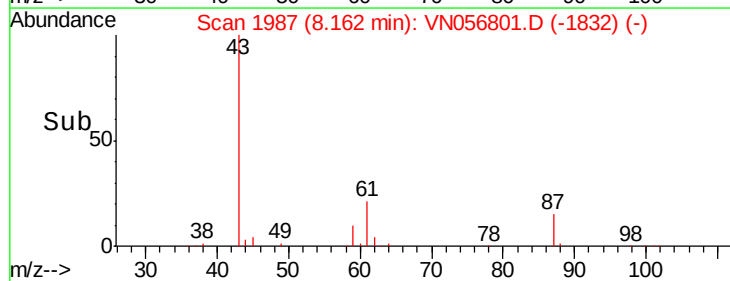
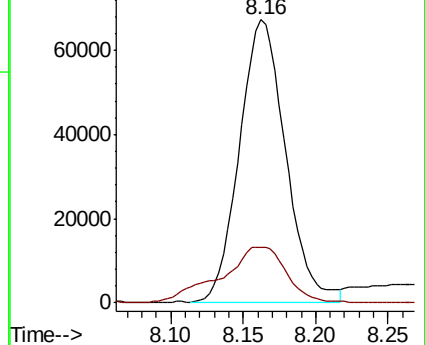
43 100

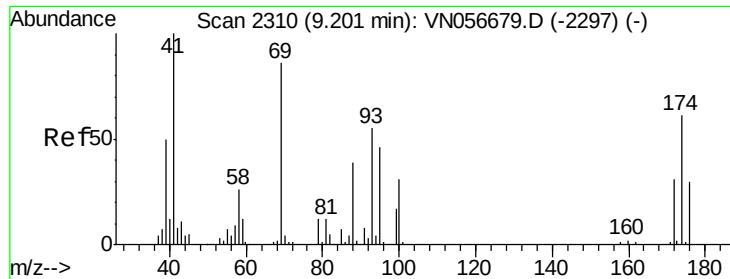
61 17.4 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

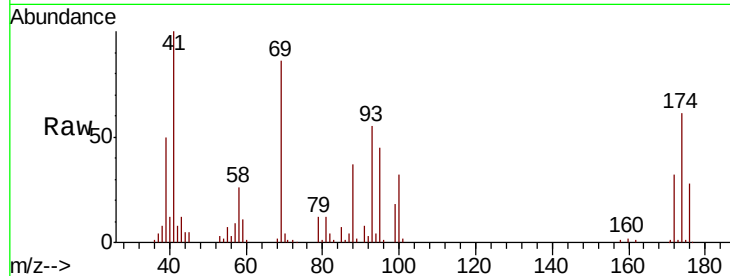




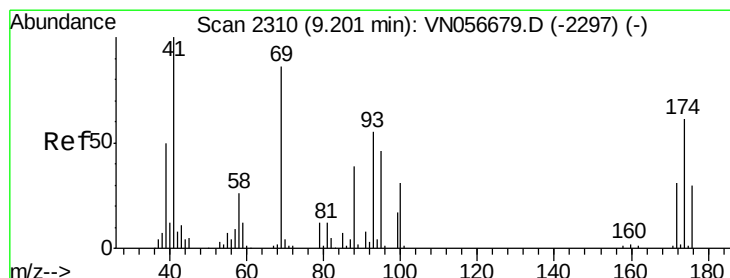
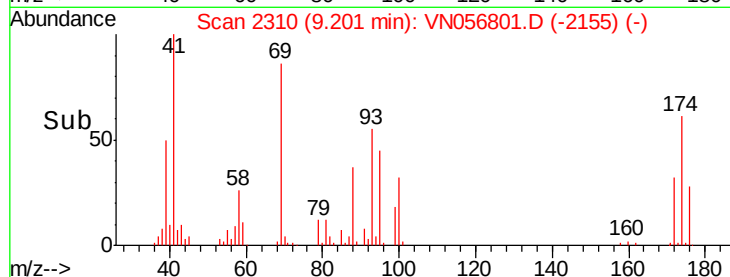
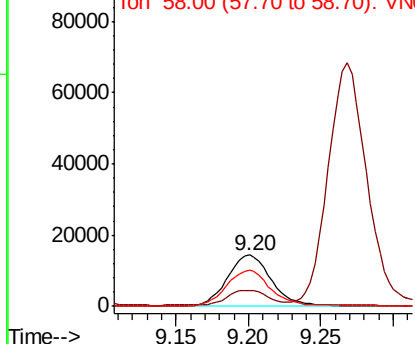
#45
 1,4-Dioxane
 Concen: 394.734 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 30511
 Ion Ratio Lower Upper
 88 100
 43 27.2 23.0 34.6
 58 69.5 54.6 81.8

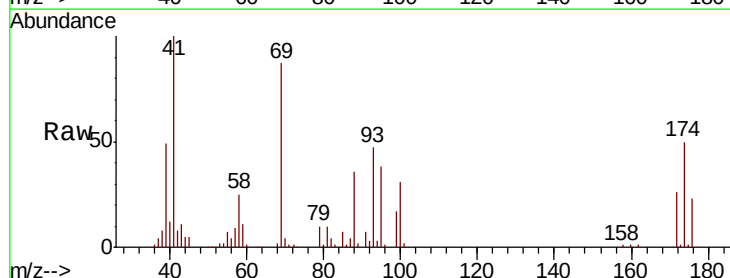


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

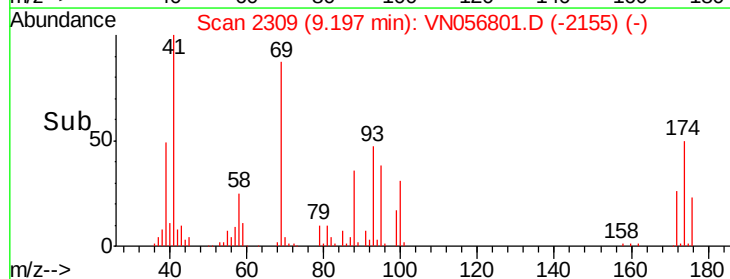
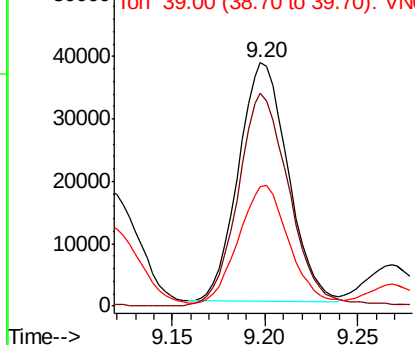


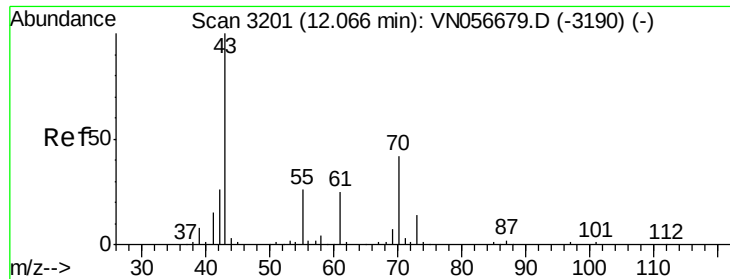
#46
 Methyl methacrylate
 Concen: 19.343 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion: 41 Resp: 70997
 Ion Ratio Lower Upper
 41 100
 69 88.8 43.0 129.0
 39 49.0 25.1 75.4



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





#47

n-amvl Acetate

Concen: 18.518 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

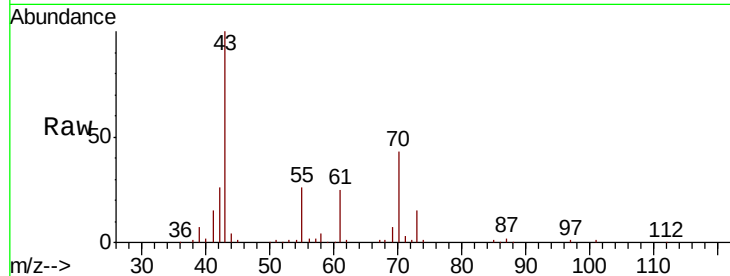
VSTDCCC020

Tot Ion: 43 Resp: 115707

Ion Ratio Lower Upper

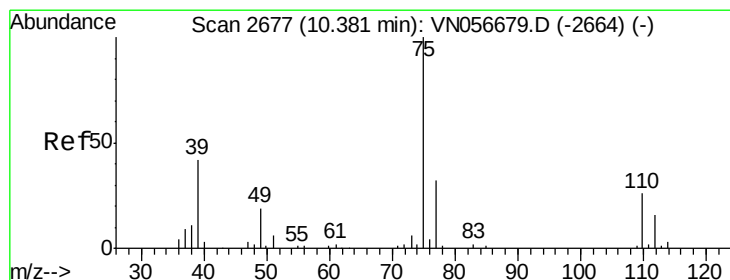
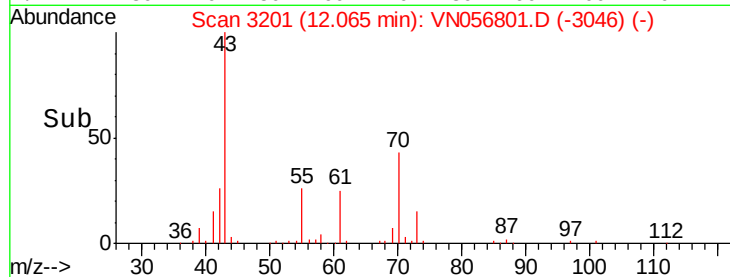
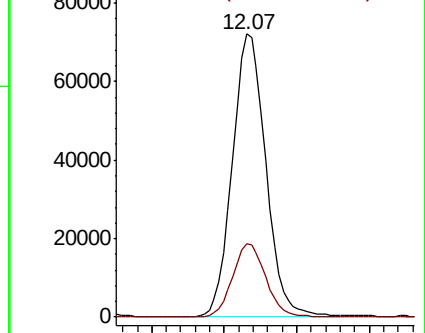
43 100

55 25.7 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.845 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056801.D

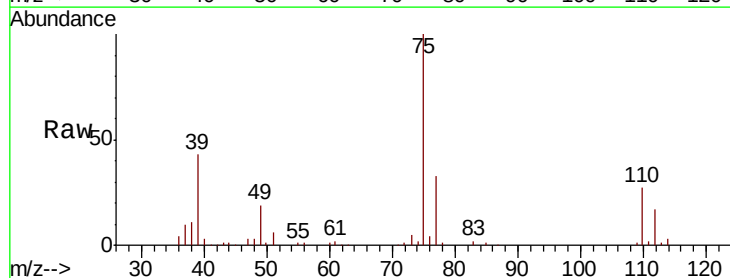
Acq: 18 Jul 2019 9:22

Tgt Ion: 75 Resp: 98948

Ion Ratio Lower Upper

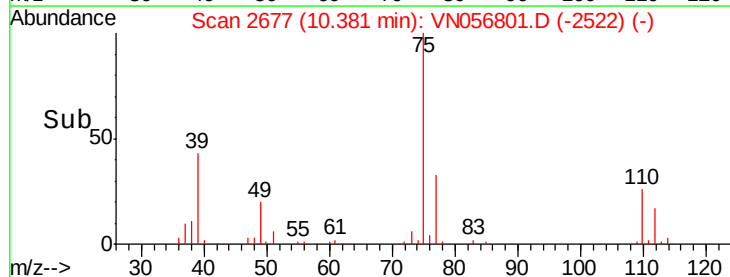
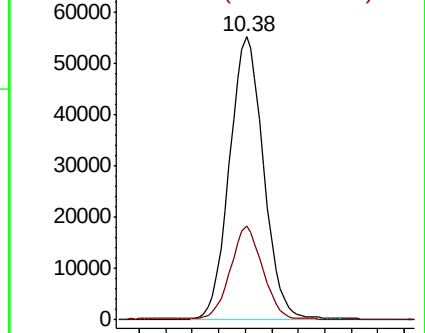
75 100

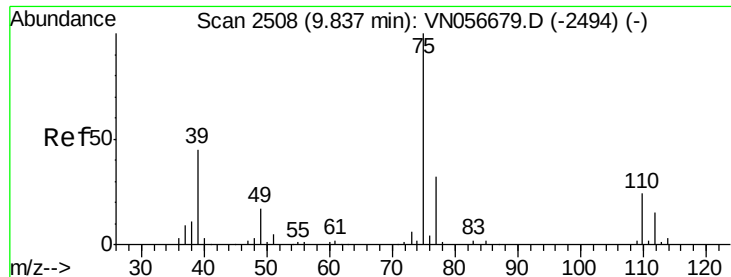
77 32.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



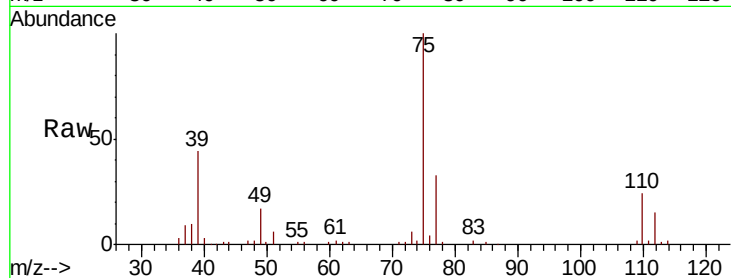


#49

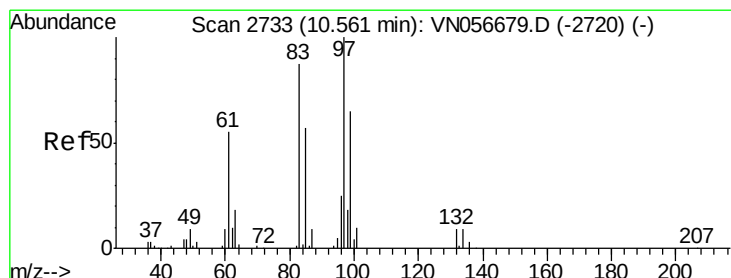
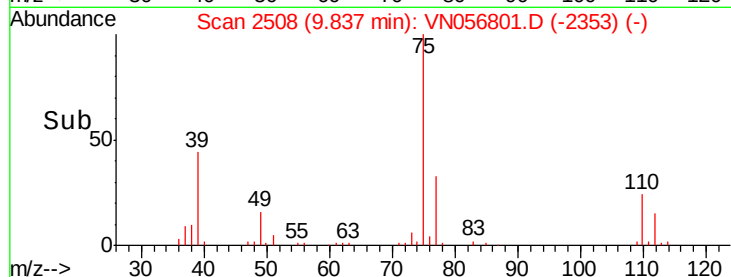
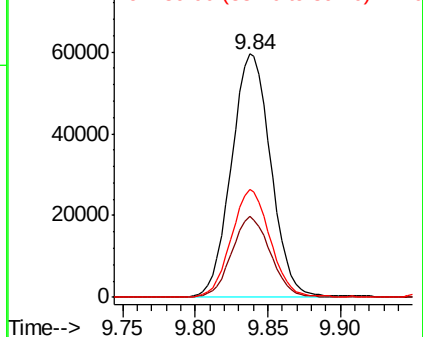
cis-1,3-Dichloropropene
Concen: 20.060 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 75 Resp: 112830
Ion Ratio Lower Upper
75 100
77 33.1 26.0 39.0
39 44.2 36.2 54.4



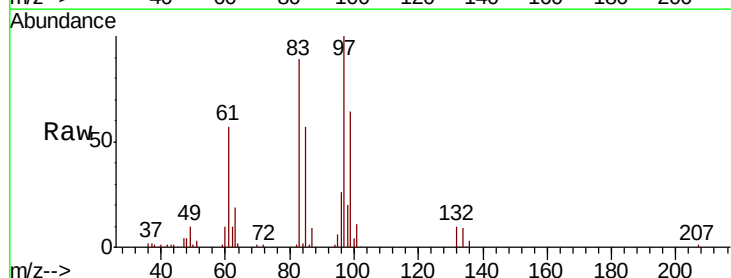
Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



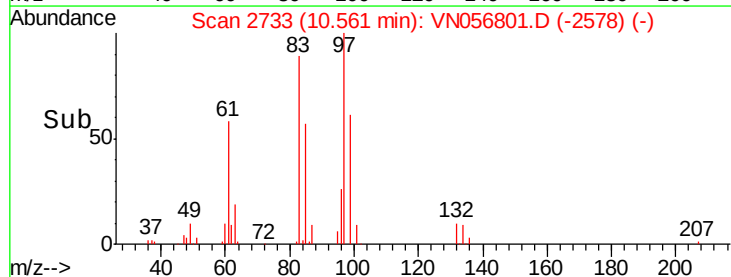
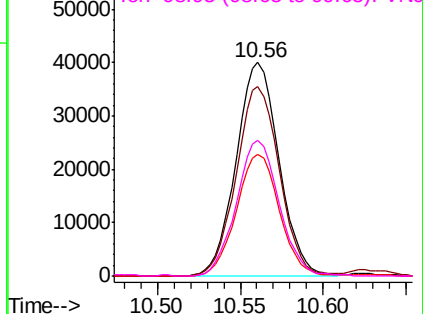
#50

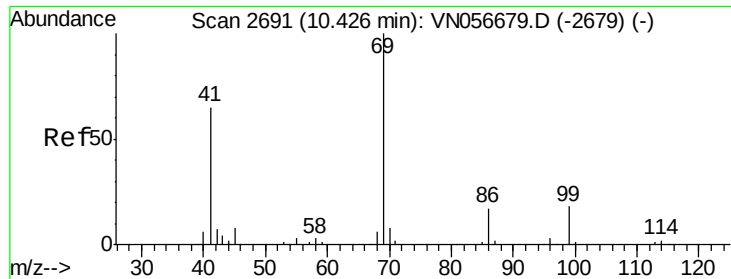
1,1,2-Trichloroethane
Concen: 20.109 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 97 Resp: 72055
Ion Ratio Lower Upper
97 100
83 88.6 69.2 103.8
85 56.9 45.3 67.9
99 63.6 51.6 77.4



Abundance Ion 97.00 (96.70 to 97.70): VN0
Ion 82.95 (82.65 to 83.65): VN0
Ion 84.95 (84.65 to 85.65): VN0
Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 19.423 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

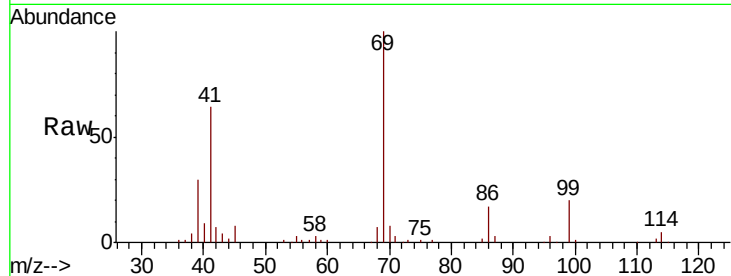
Tot Ion: 69 Resp: 107049

Ion Ratio Lower Upper

69 100

41 63.9 32.8 98.3

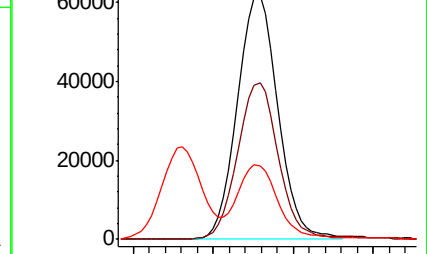
39 29.7 15.4 46.2



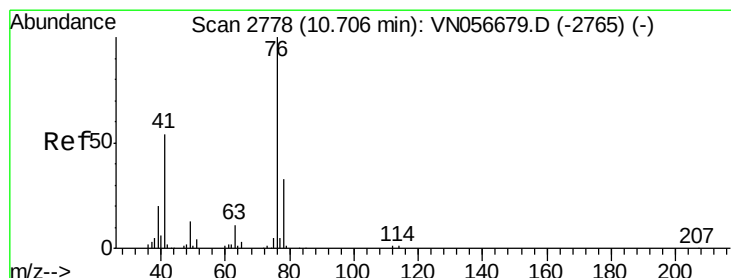
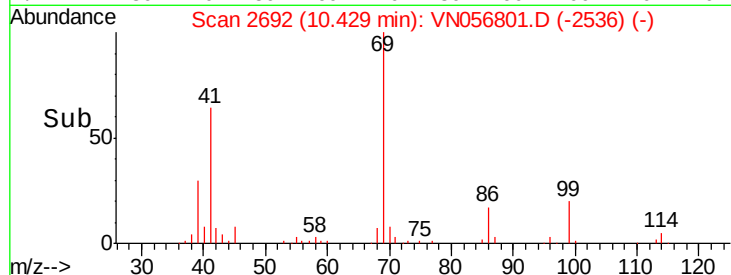
Abundance Ion 69.00 (68.70 to 69.70): VN056801.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN056801.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN056801.D (-2536) (-)



Time-->



#52

1,3-Dichloropropane

Concen: 20.329 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056801.D

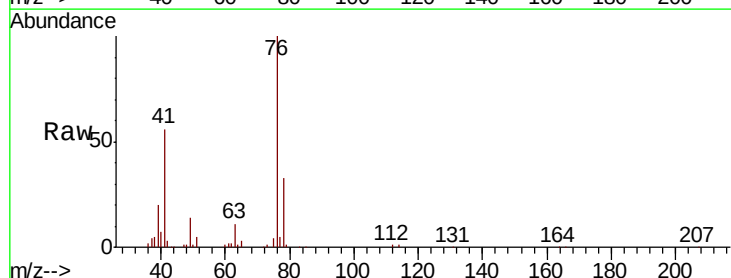
Acq: 18 Jul 2019 9:22

Tgt Ion: 76 Resp: 121886

Ion Ratio Lower Upper

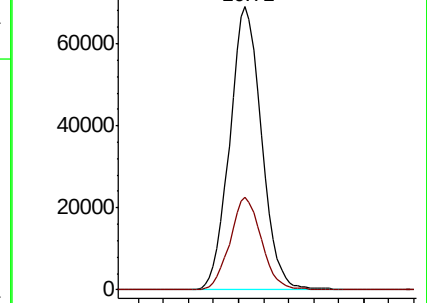
76 100

78 32.1 0.0 63.6

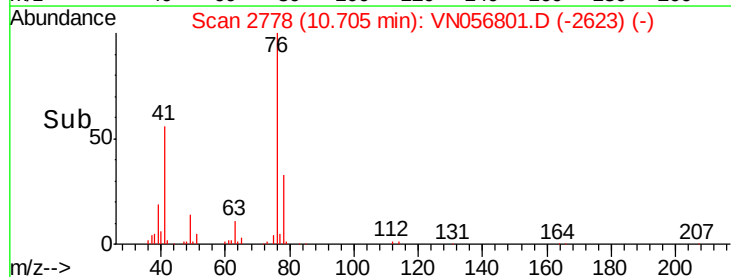


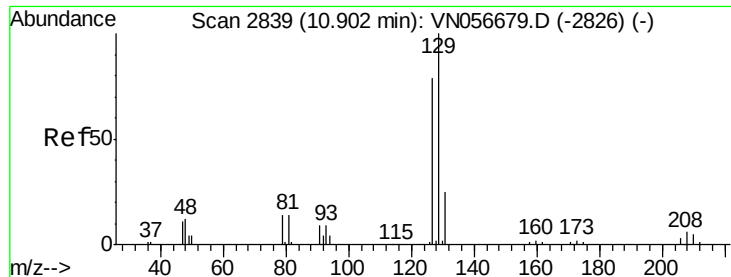
Abundance Ion 76.00 (75.70 to 76.70): VN056801.D (-2623) (-)

Ion 78.00 (77.70 to 78.70): VN056801.D (-2623) (-)



Time-->

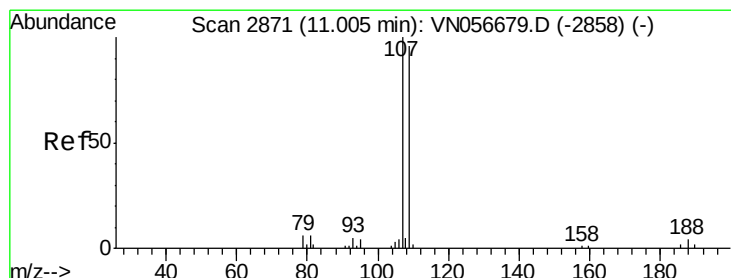
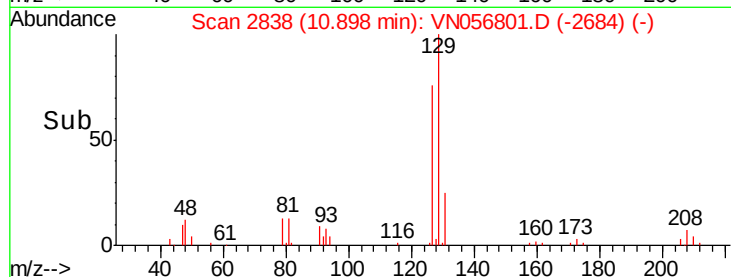
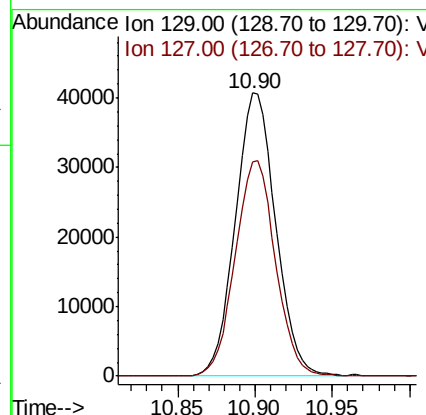
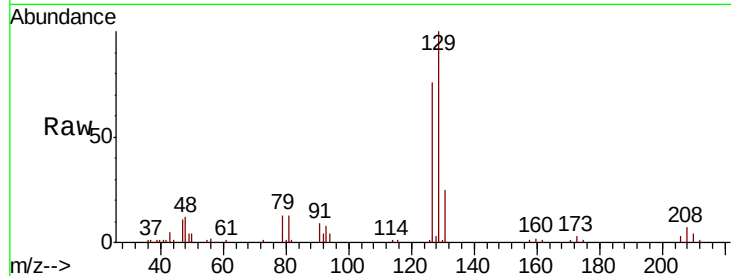




#53
 Dibromochloromethane
 Concen: 20.390 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

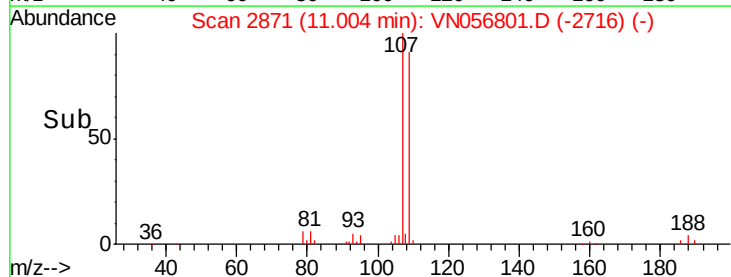
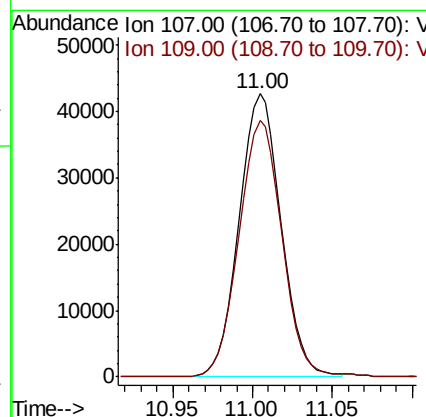
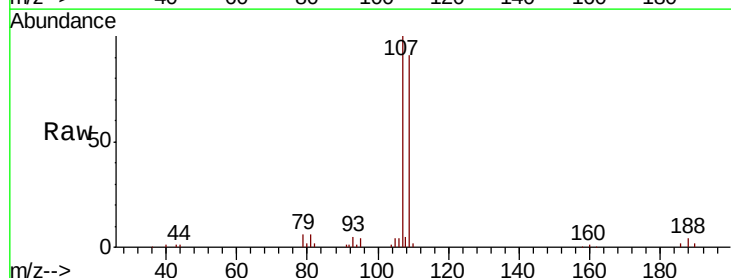
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

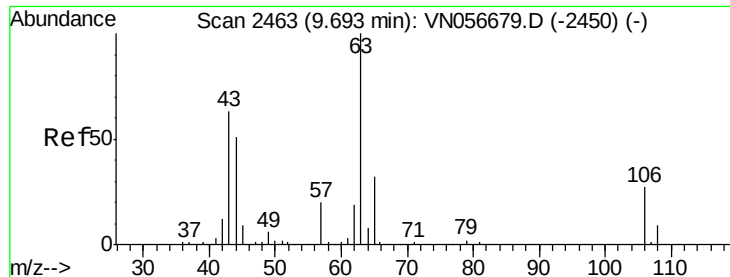
Tot Ion:129 Resp: 73841
 Ion Ratio Lower Upper
 129 100
 127 75.9 38.7 116.1



#54
 1,2-Dibromoethane
 Concen: 20.456 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion:107 Resp: 76179
 Ion Ratio Lower Upper
 107 100
 109 92.5 77.9 116.9

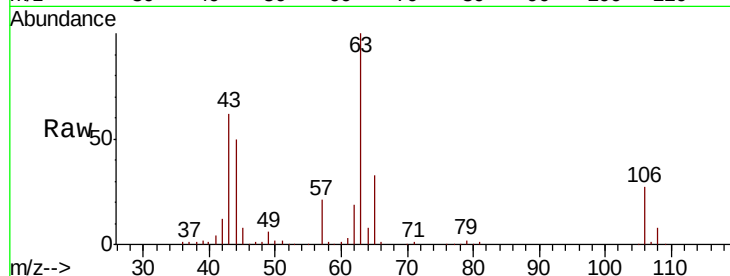




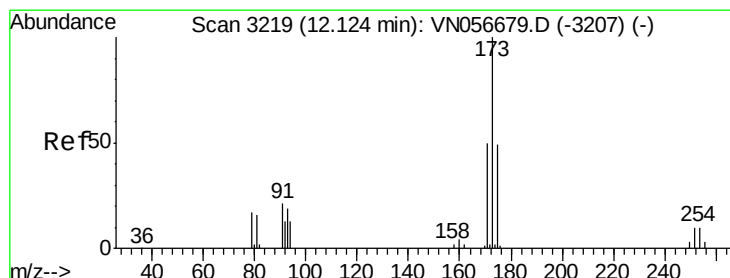
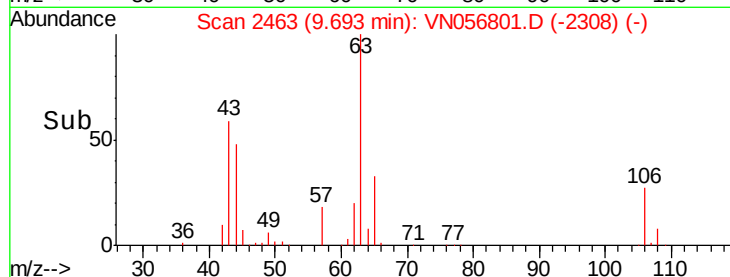
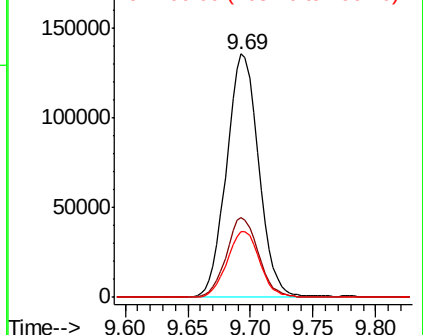
#55
2-Chloroethyl vinyl ether
Concen: 91.200 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 63 Resp: 243070
Ion Ratio Lower Upper
63 100
65 32.5 25.2 37.8
106 27.3 21.6 32.4

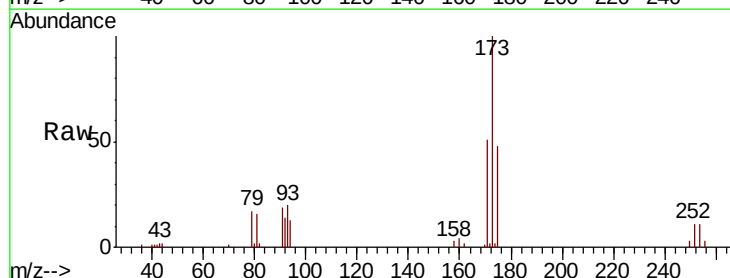


Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0
Ion 106.00 (105.70 to 106.70): VN0

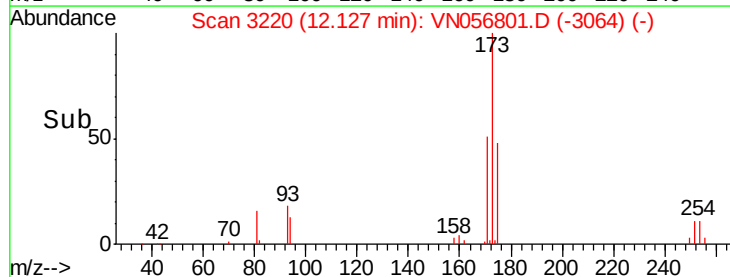
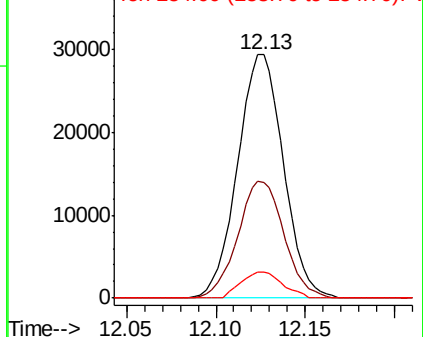


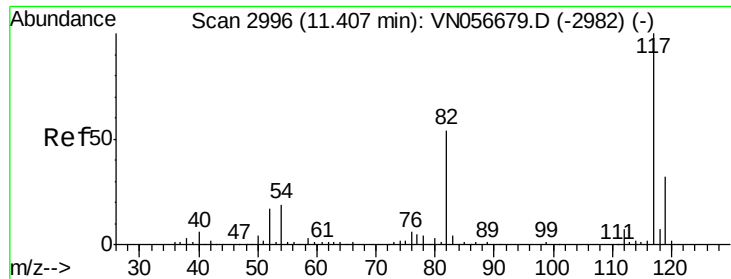
#56
Bromoform
Concen: 19.689 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 173 Resp: 52783
Ion Ratio Lower Upper
173 100
175 48.3 39.7 59.5
254 9.7 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

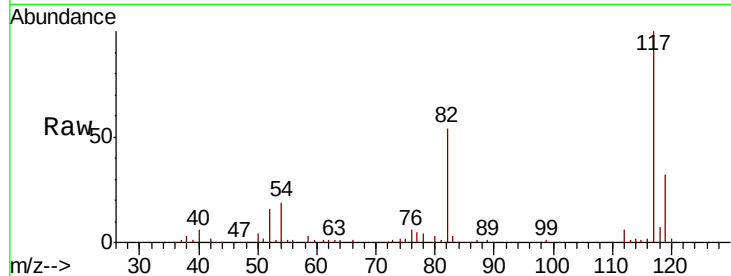




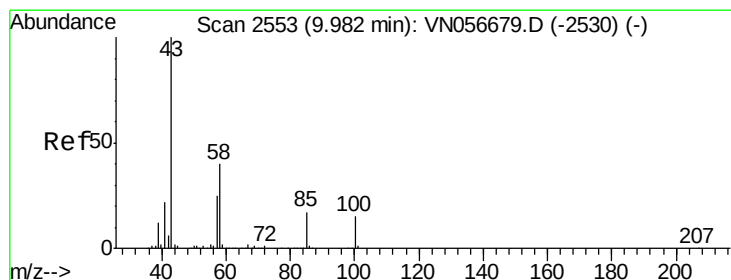
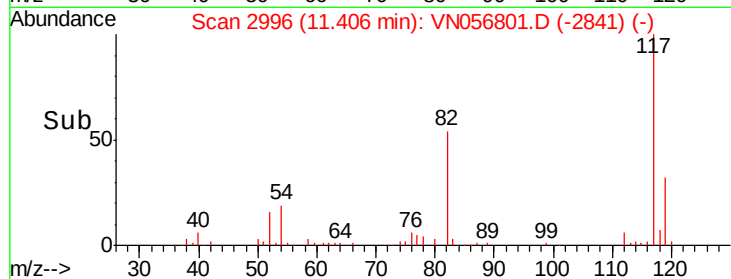
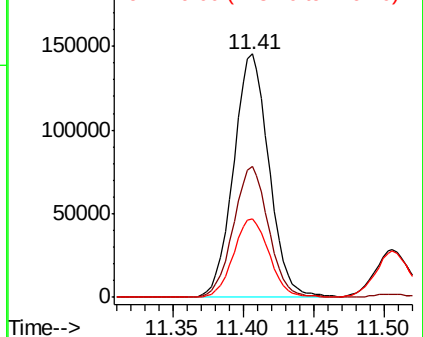
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 256530
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 32.5 26.0 39.0

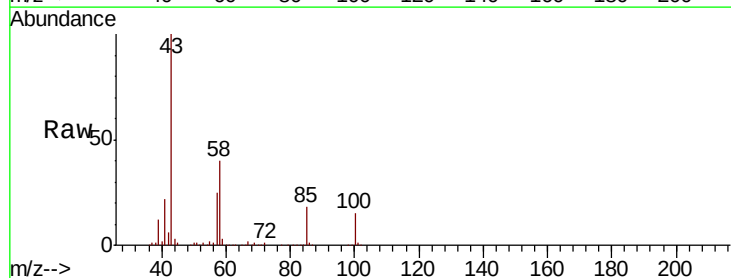


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

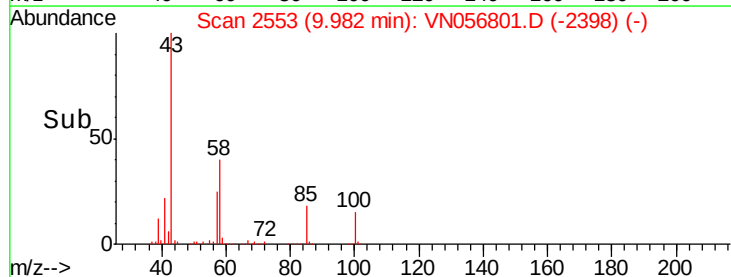
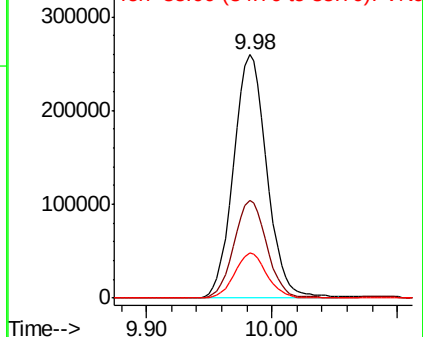


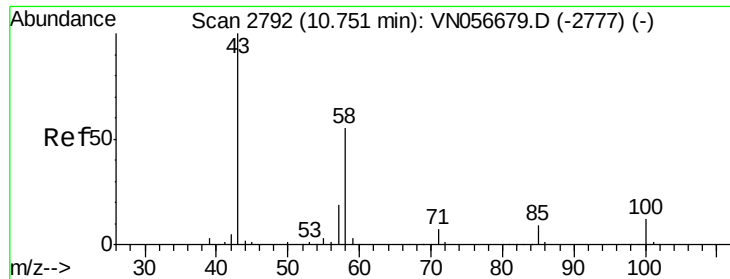
#58
4-Methyl-2-Pentanone
Concen: 99.008 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 43 Resp: 478037
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9
85 18.0 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

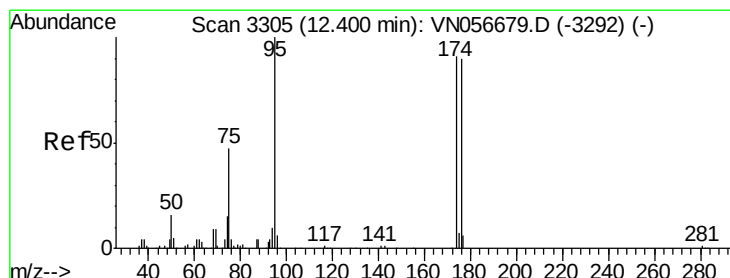
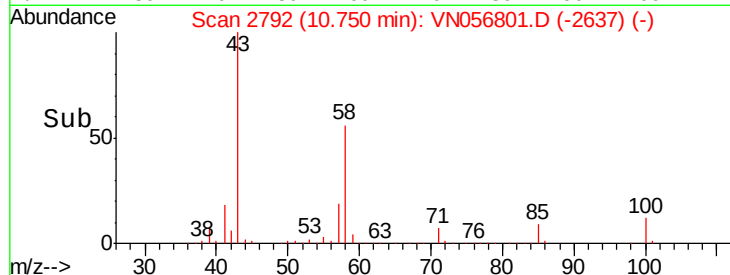
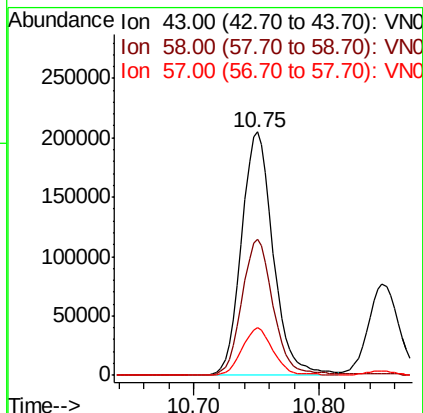
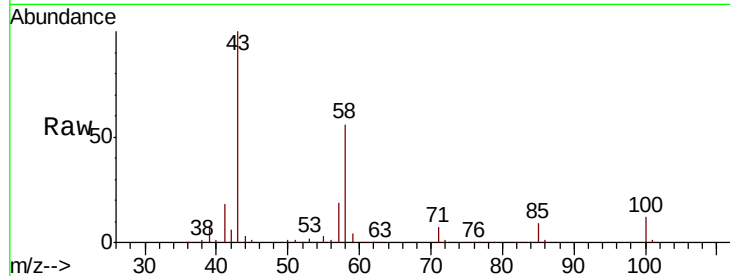




#59
2-Hexanone
Concen: 98.212 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

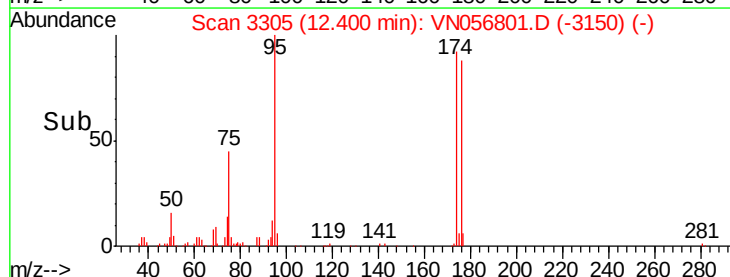
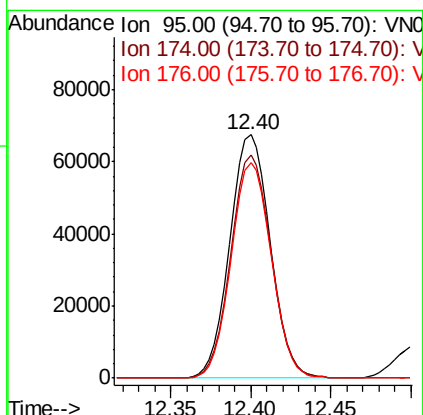
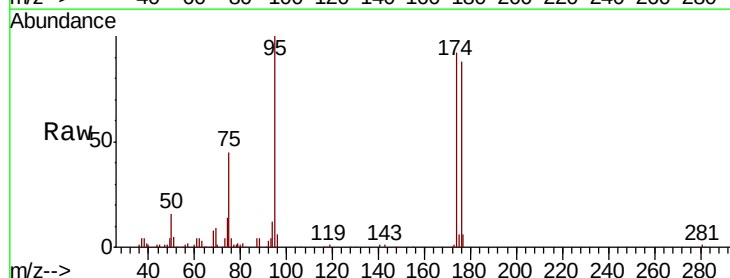
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

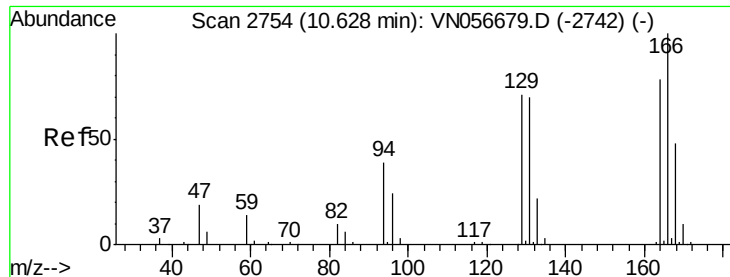
Tot Ion: 43 Resp: 359949
Ion Ratio Lower Upper
43 100
58 55.0 44.4 66.6
57 19.3 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.638 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 95 Resp: 116361
Ion Ratio Lower Upper
95 100
174 91.3 72.6 108.8
176 87.9 71.0 106.6

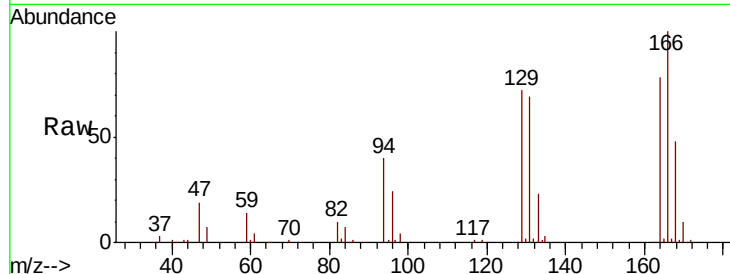




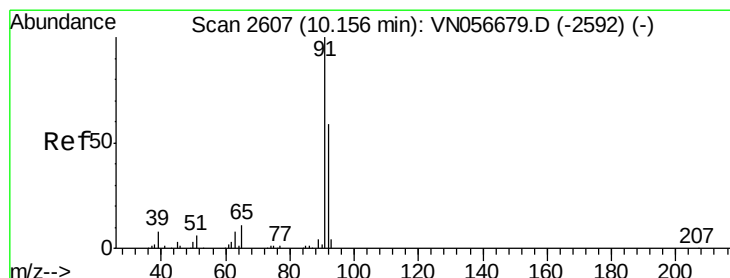
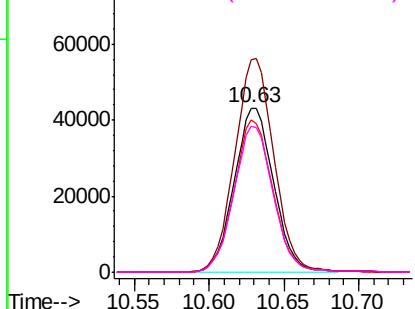
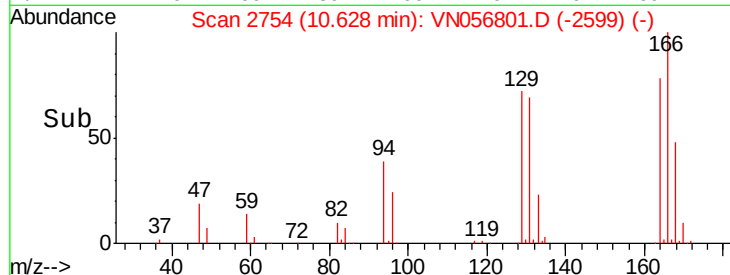
#61
Tetrachloroethene
Concen: 21.535 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:164 Resp: 79381
Ion Ratio Lower Upper
164 100
166 129.0 102.3 153.5
129 92.7 72.6 108.8
131 88.8 71.4 107.2

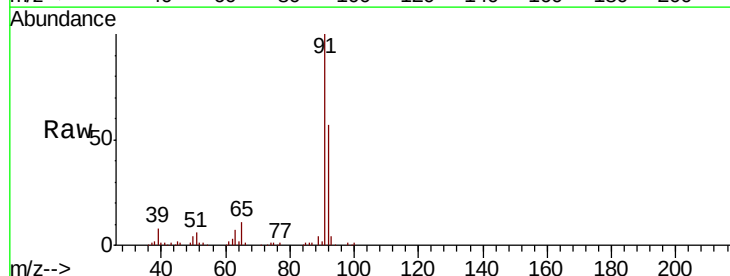


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

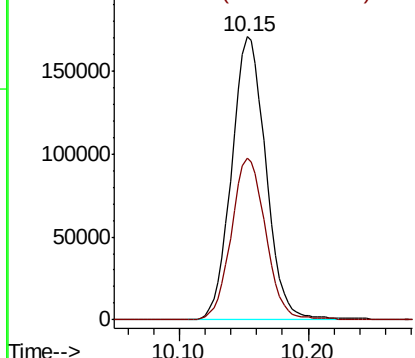
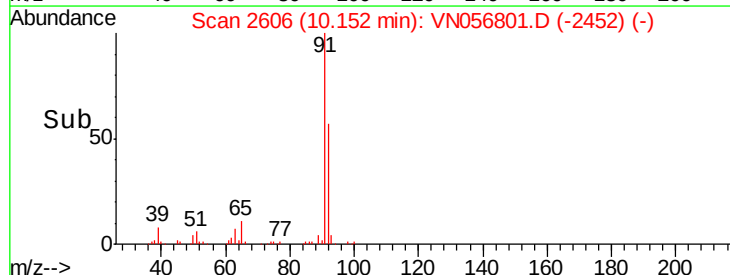


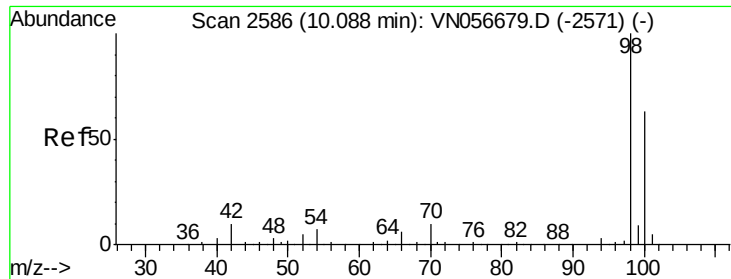
#62
Toluene
Concen: 20.878 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 91 Resp: 314572
Ion Ratio Lower Upper
91 100
92 57.1 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.642 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

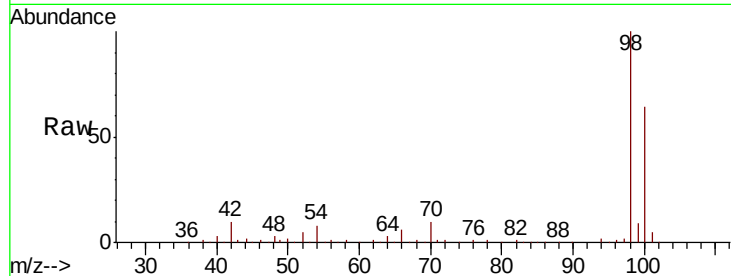
VSTDCCC020

Tot Ion: 98 Resp: 359165

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN056679.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN056679.D (-2571) (-)

10.09

200000

150000

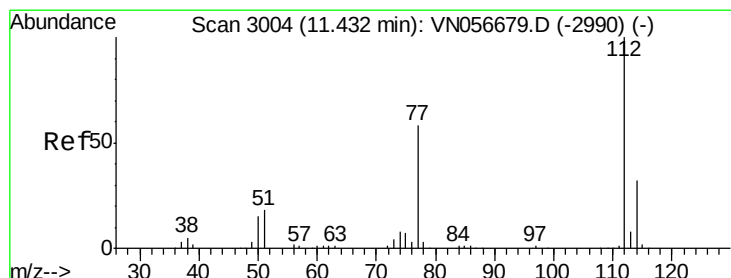
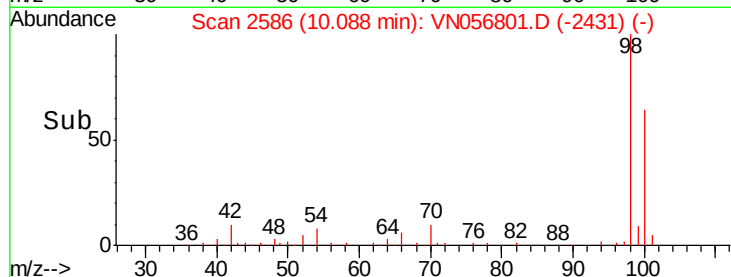
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 20.736 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056801.D

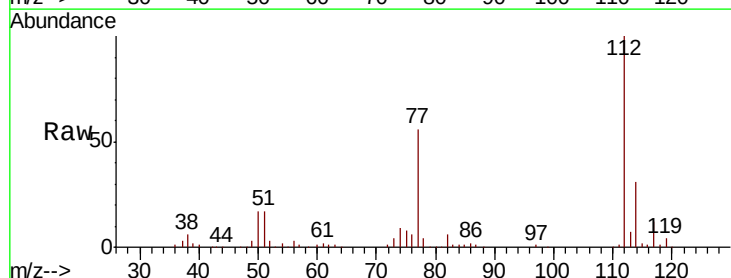
Acq: 18 Jul 2019 9:22

Tgt Ion: 112 Resp: 190554

Ion Ratio Lower Upper

112 100

114 30.9 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): VN056679.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN056679.D (-2990) (-)

11.43

120000

100000

80000

60000

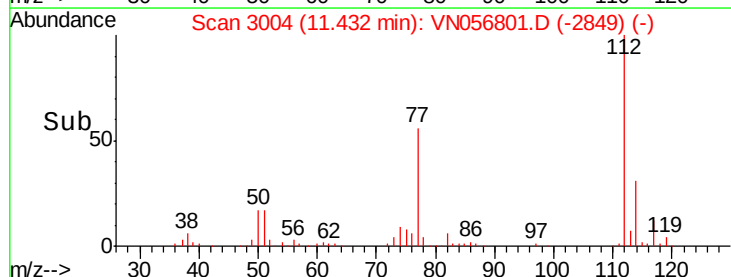
40000

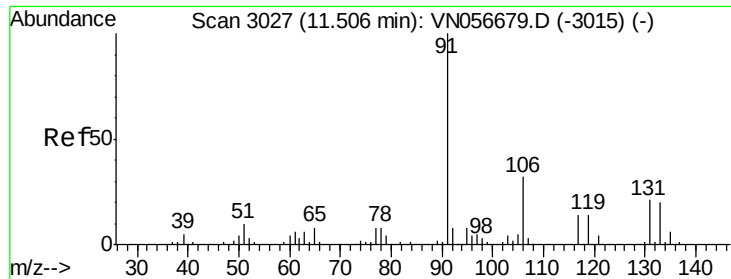
20000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.764 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

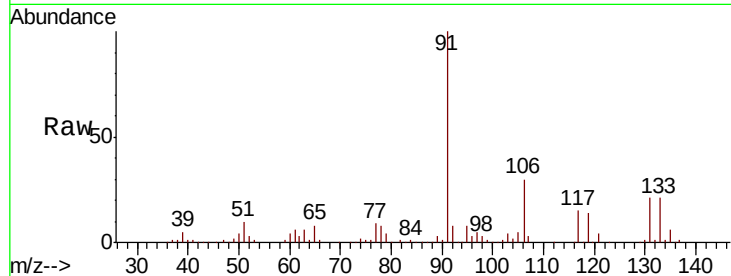
Tot Ion:131 Resp: 69957

Ion Ratio Lower Upper

131 100

133 97.9 0.0 191.4

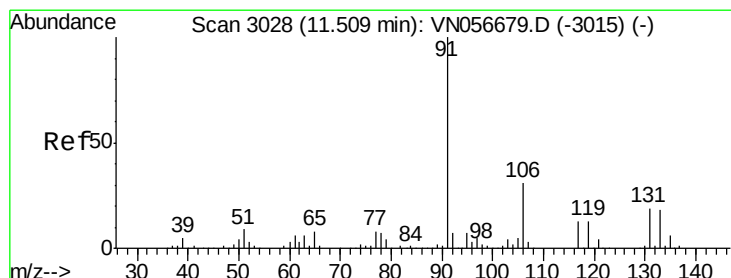
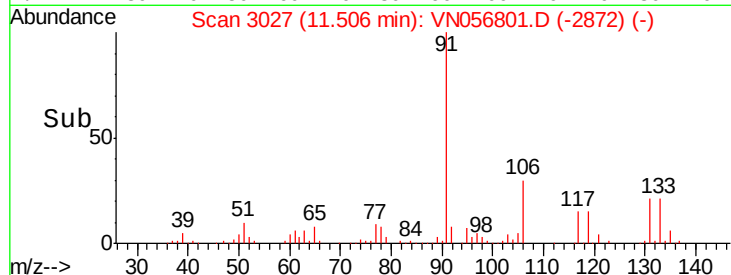
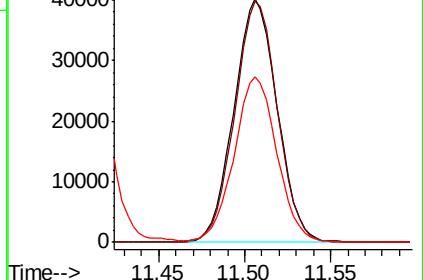
119 67.5 0.0 133.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.494 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056801.D

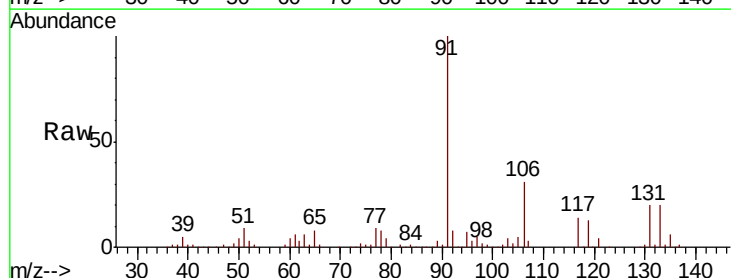
Acq: 18 Jul 2019 9:22

Tgt Ion: 91 Resp: 333770

Ion Ratio Lower Upper

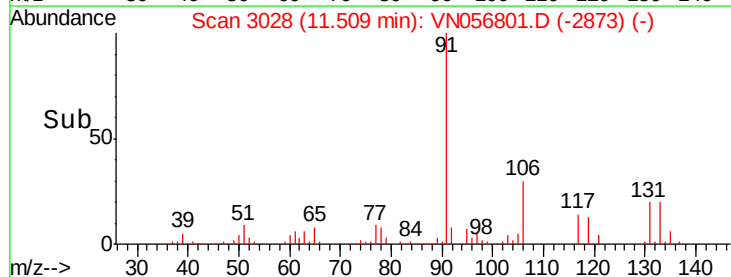
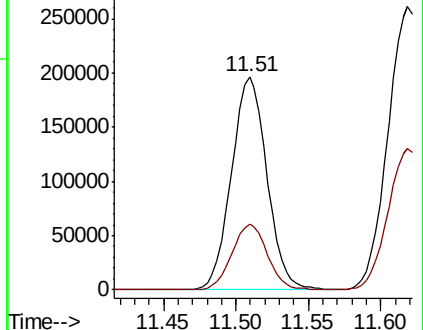
91 100

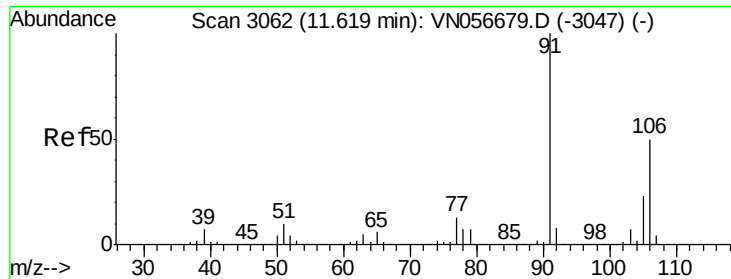
106 30.6 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

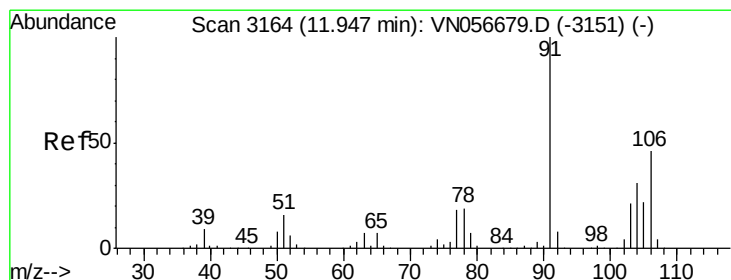
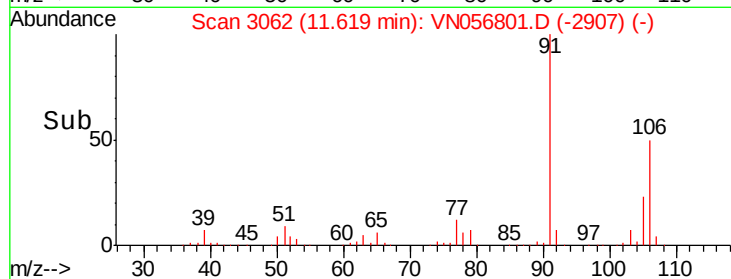
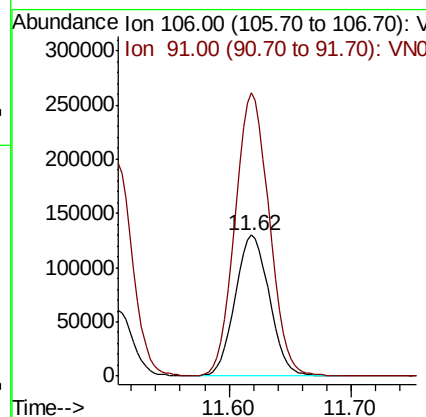
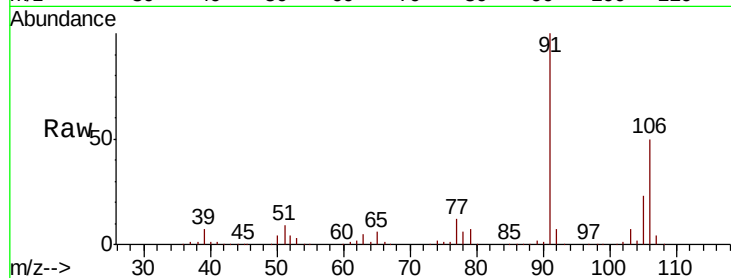




#67
m/p-Xylenes
Concen: 41.281 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

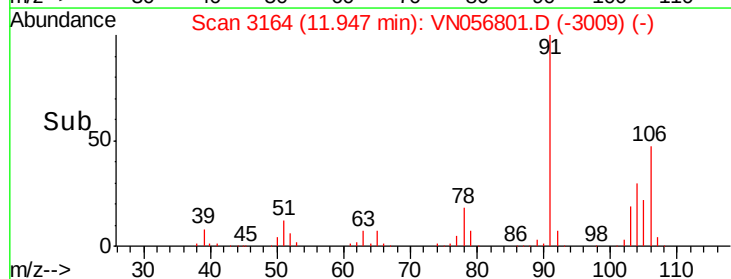
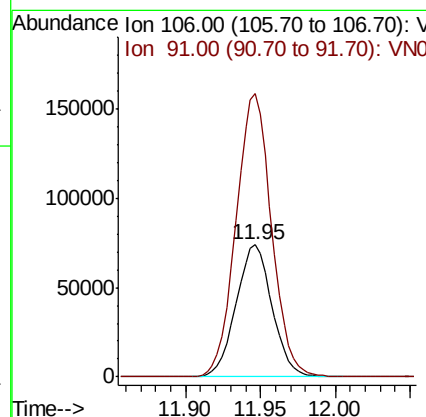
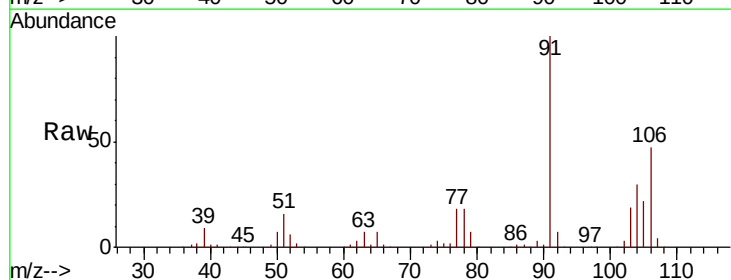
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

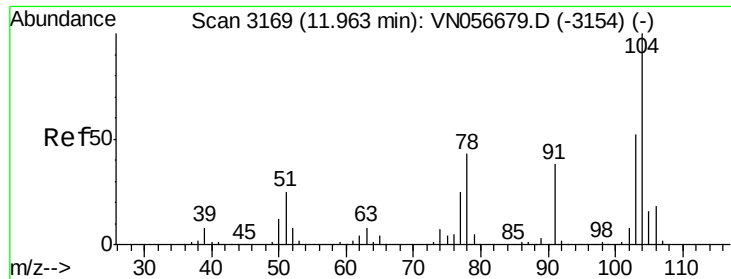
Tot Ion:106 Resp: 253728
Ion Ratio Lower Upper
106 100
91 200.2 161.8 242.8



#68
o-Xylene
Concen: 20.710 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion:106 Resp: 124154
Ion Ratio Lower Upper
106 100
91 211.1 108.1 324.2

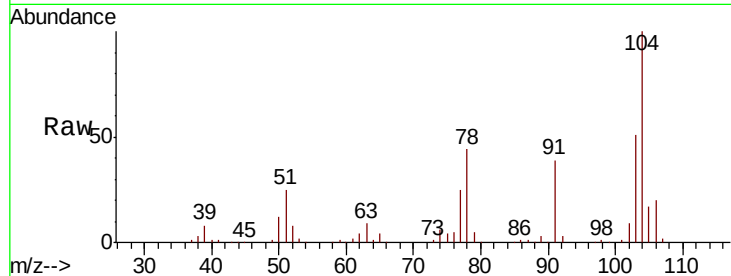




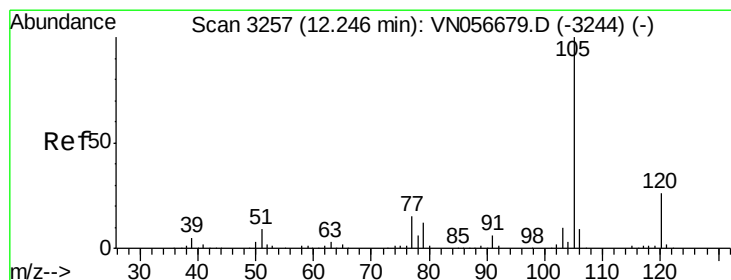
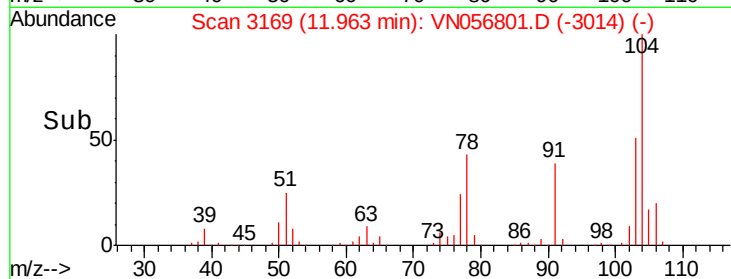
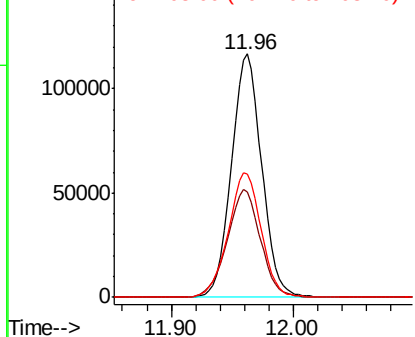
#69
Stvrene
Concen: 20.251 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:104 Resp: 201170
Ion Ratio Lower Upper
104 100
78 48.5 38.7 58.1
103 55.6 45.0 67.4

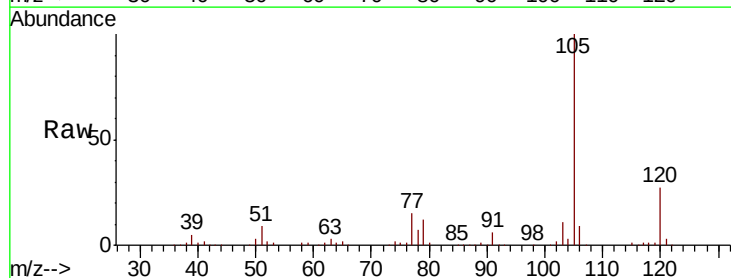


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

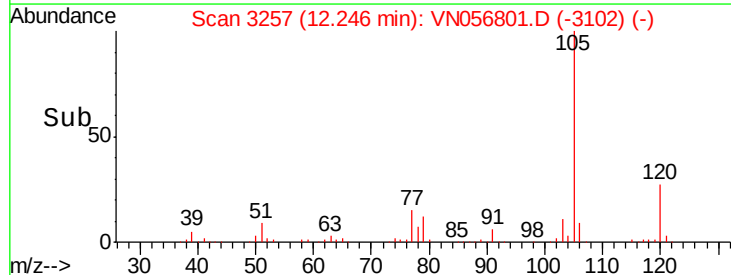
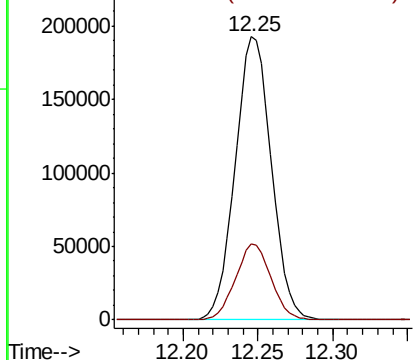


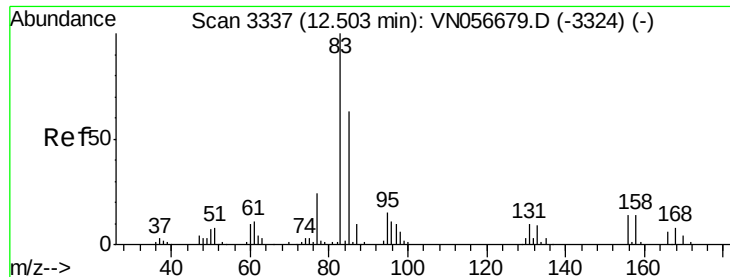
#70
Isopropylbenzene
Concen: 20.624 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion:105 Resp: 324091
Ion Ratio Lower Upper
105 100
120 26.3 18.6 34.5



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

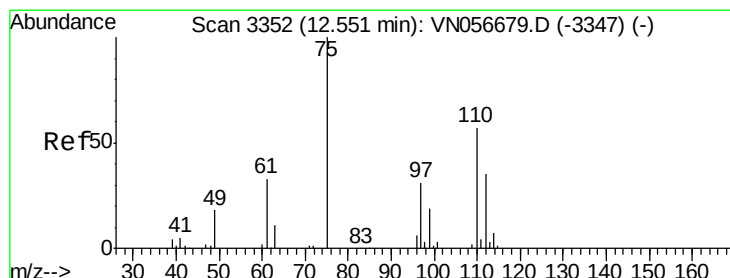
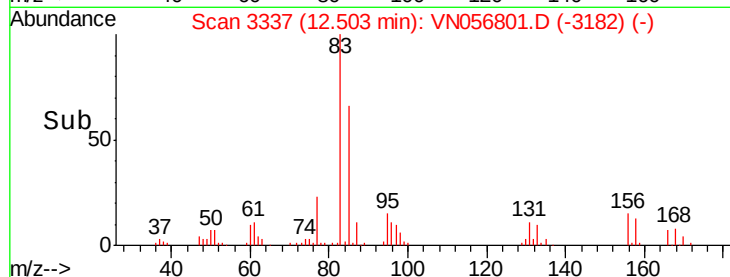
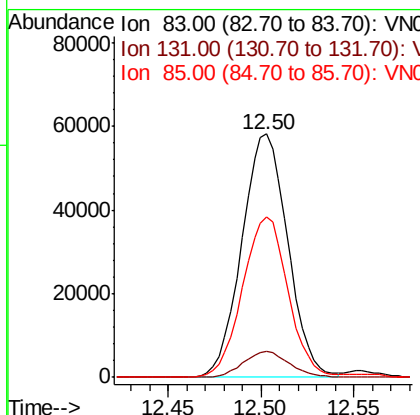
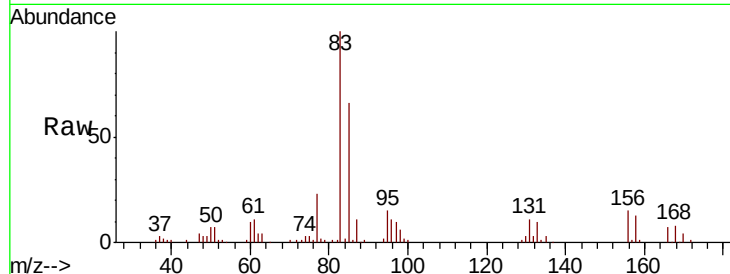




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.625 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

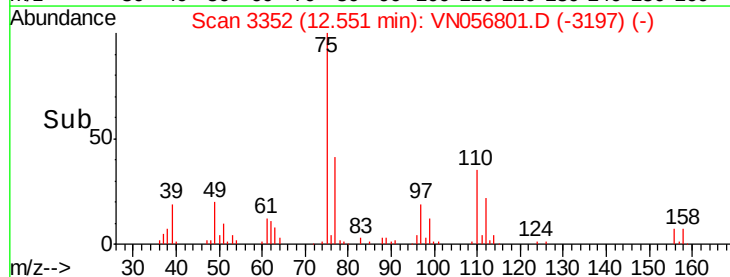
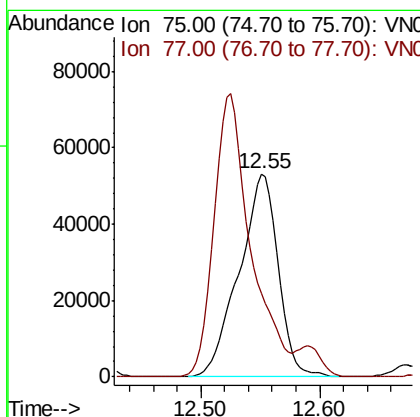
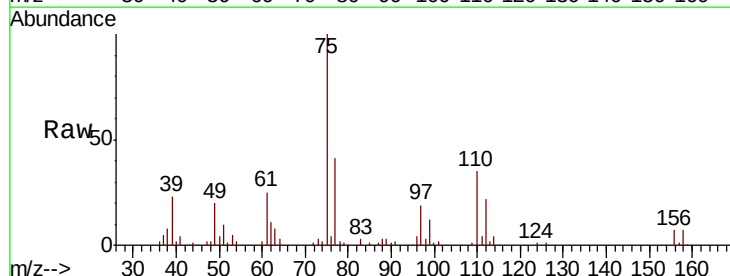
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

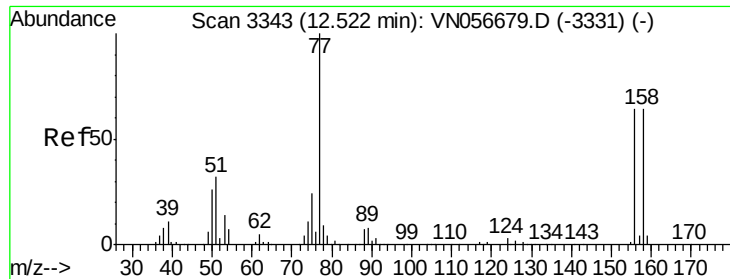
Tot Ion	83	Resp	100095
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.3
85	64.9	31.9	95.7



#72
 1,2,3-Trichloropropane
 Concen: 27.799 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion	75	Resp	121183
Ion Ratio	Lower	Upper	
75	100		
77	130.8	0.0	352.2





#73

Bromobenzene

Concen: 20.298 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

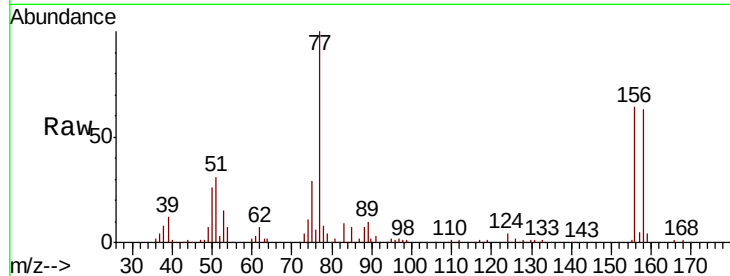
Tot Ion:156 Resp: 83353

Ion Ratio Lower Upper

156 100

77 190.2 0.0 381.8

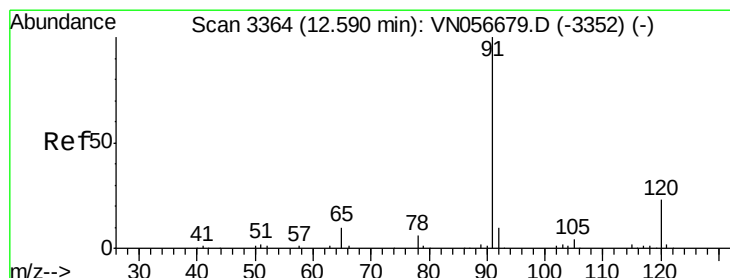
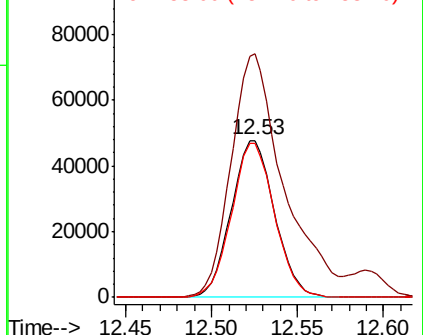
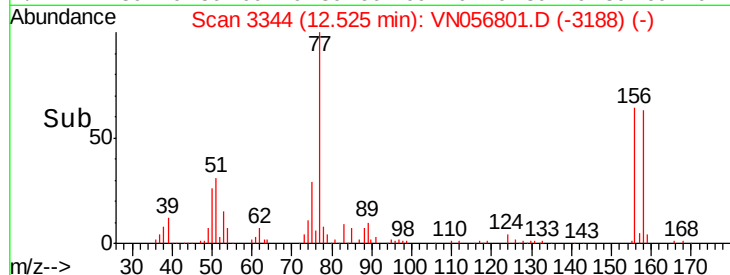
158 97.7 0.0 195.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.543 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056801.D

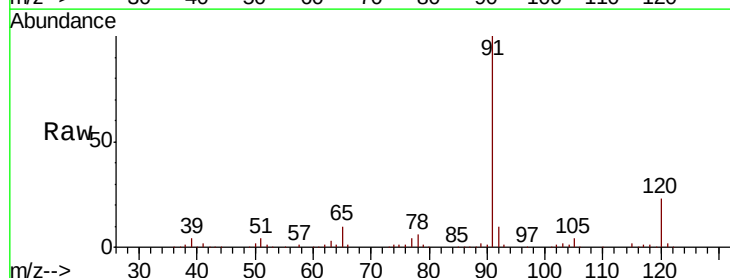
Acq: 18 Jul 2019 9:22

Tgt Ion: 91 Resp: 364207

Ion Ratio Lower Upper

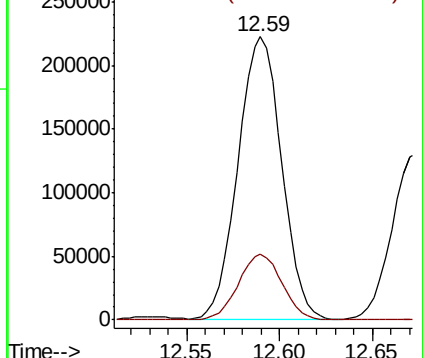
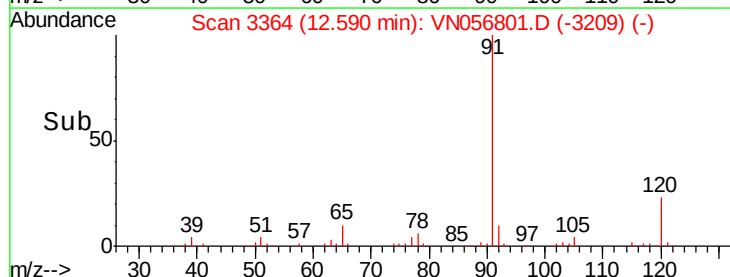
91 100

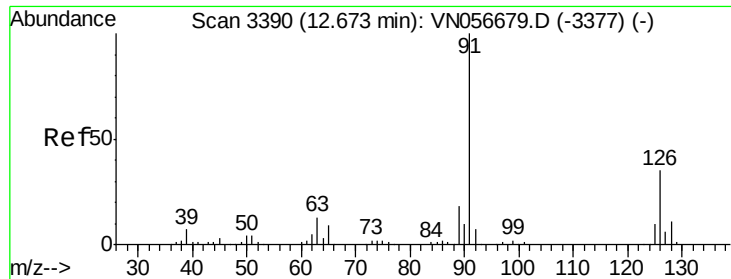
120 23.1 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.640 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

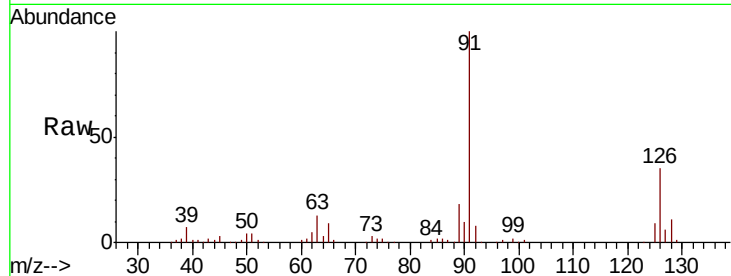
VSTDCCC020

Tot Ion: 91 Resp: 220384

Ion Ratio Lower Upper

91 100

126 34.6 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056679.D (-3377) (-)

250000

200000

150000

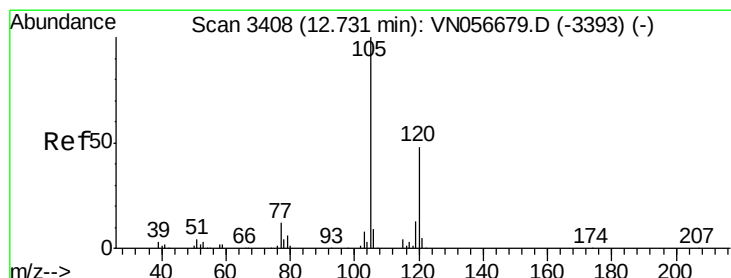
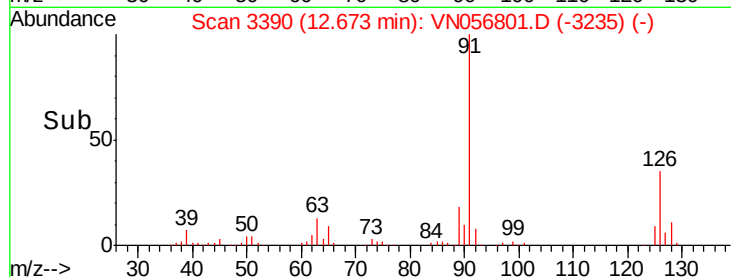
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.858 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056801.D

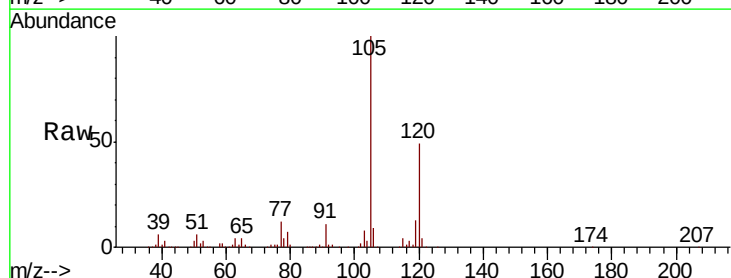
Acq: 18 Jul 2019 9:22

Tgt Ion: 105 Resp: 279570

Ion Ratio Lower Upper

105 100

120 49.0 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): VN056679.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056679.D (-3393) (-)

200000

150000

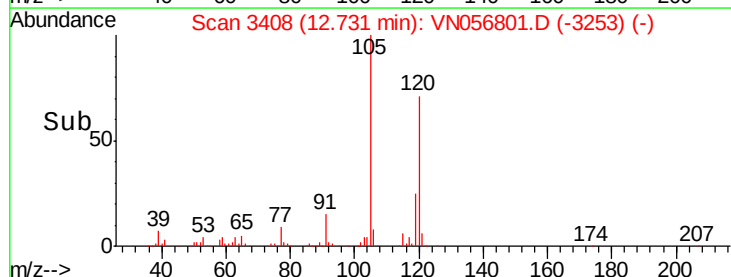
100000

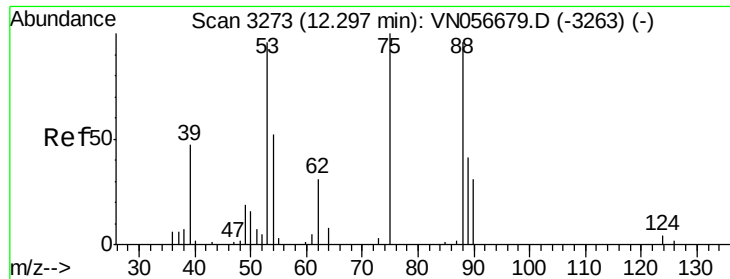
50000

0

12.65 12.70 12.75 12.80

Time-->



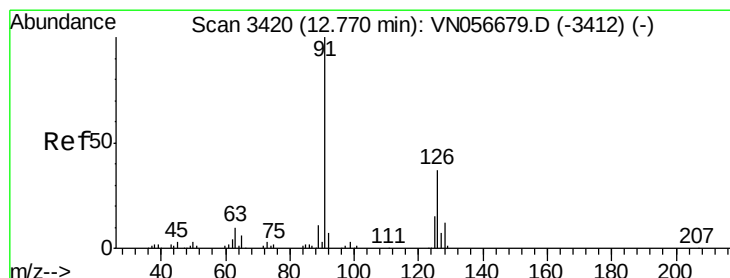
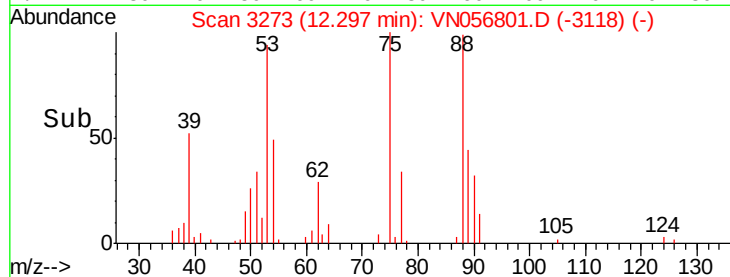
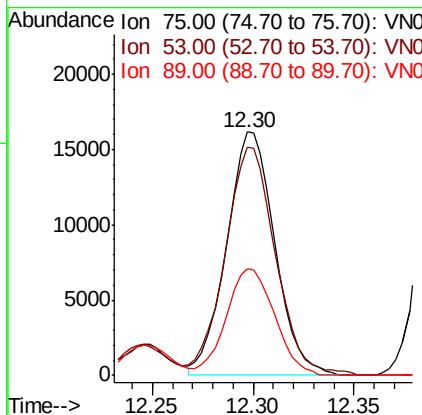
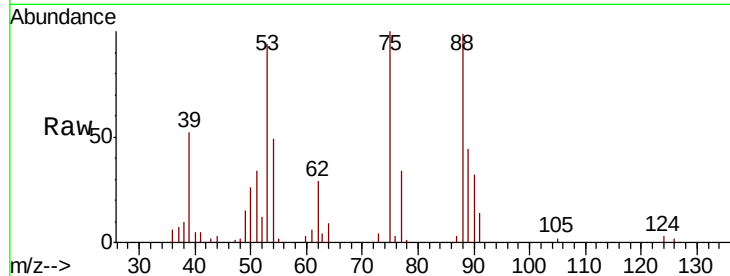


#77
t-1,4-Dichloro-2-butene
Concen: 18.670 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 75 Resp: 27054

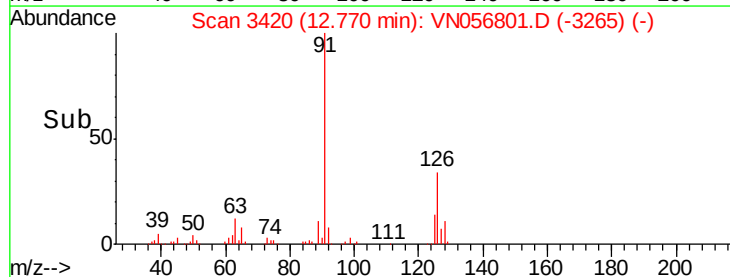
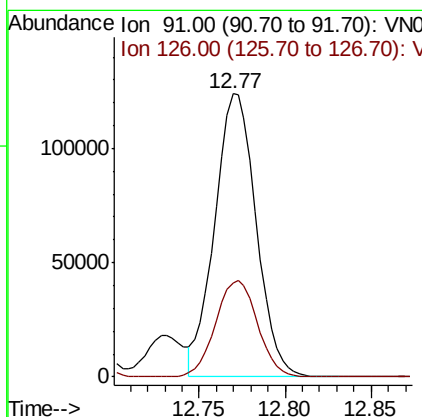
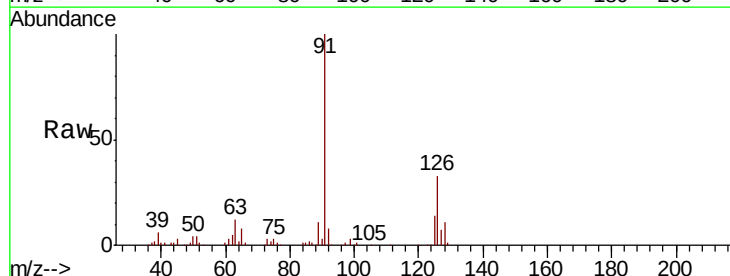
Ion	Ratio	Lower	Upper
75	100		
53	91.6	48.6	145.8
89	43.8	21.3	64.0

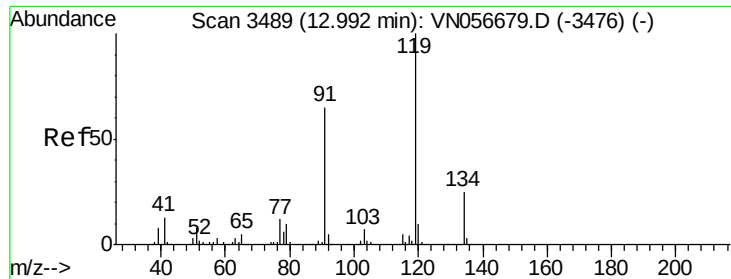


#78
4-Chlorotoluene
Concen: 20.056 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion: 91 Resp: 207664

Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	69.4

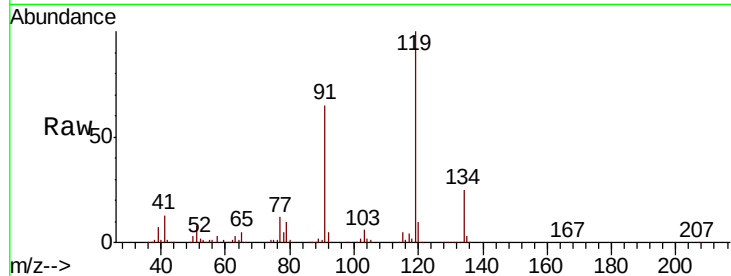




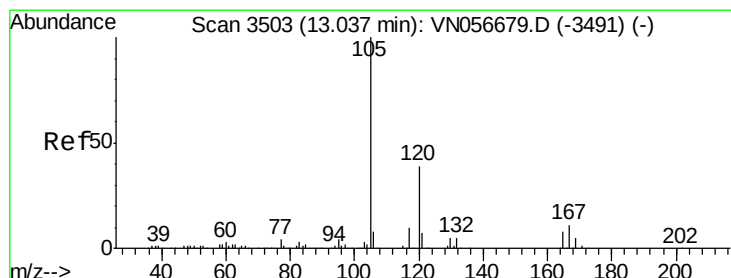
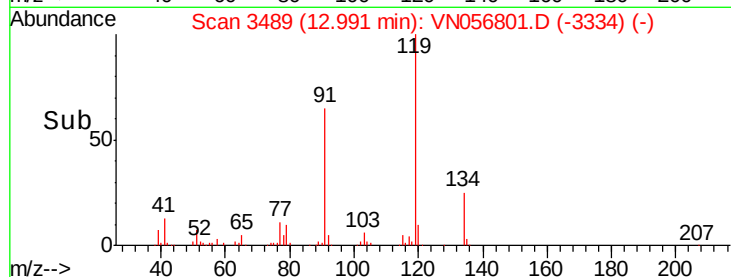
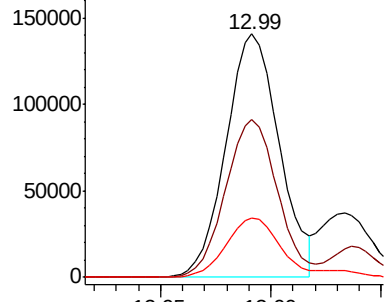
#79
tert-butylbenzene
Concen: 20.688 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:119 Resp: 235890
Ion Ratio Lower Upper
119 100
91 63.4 0.0 125.4
134 24.6 0.0 48.4

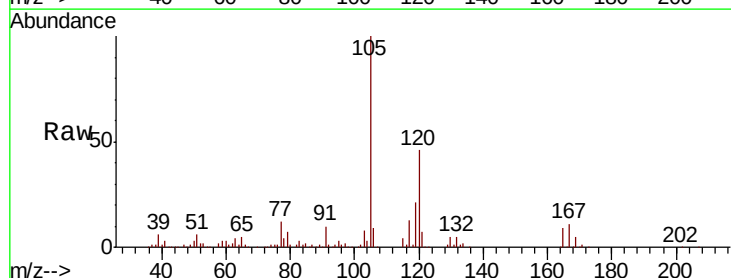


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

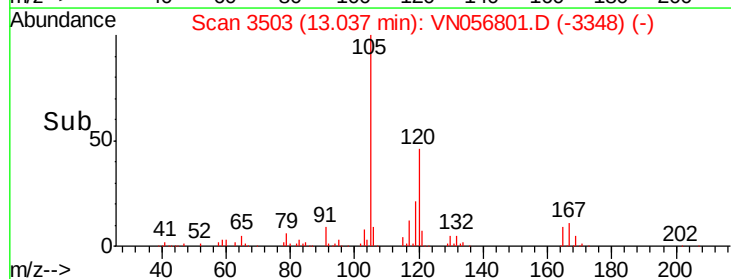
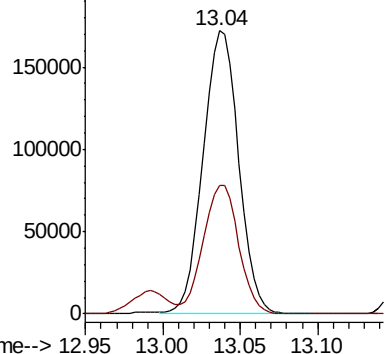


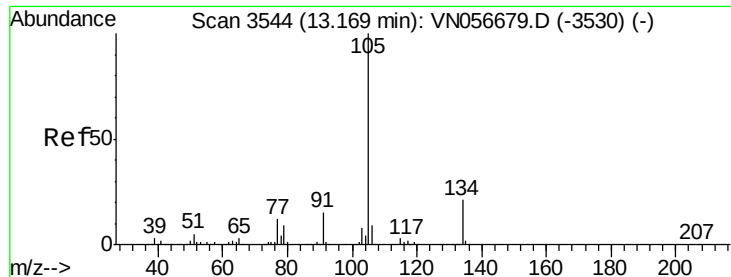
#80
1,2,4-Trimethylbenzene
Concen: 20.603 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056801.D
Acq: 18 Jul 2019 9:22

Tgt Ion:105 Resp: 273868
Ion Ratio Lower Upper
105 100
120 45.4 0.0 91.2



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





#81

sec-Butylbenzene

Concen: 20.420 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

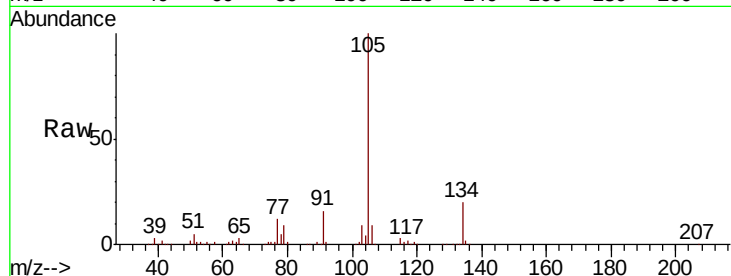
VSTDCCC020

Tot Ion:105 Resp: 308194

Ion Ratio Lower Upper

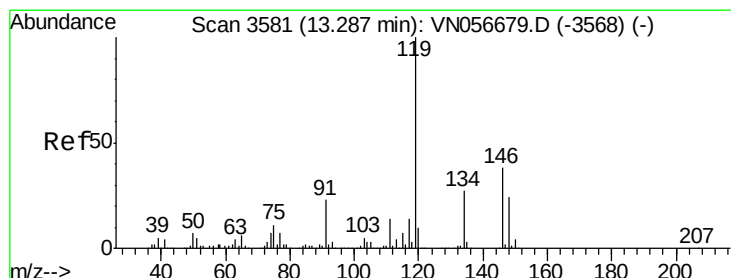
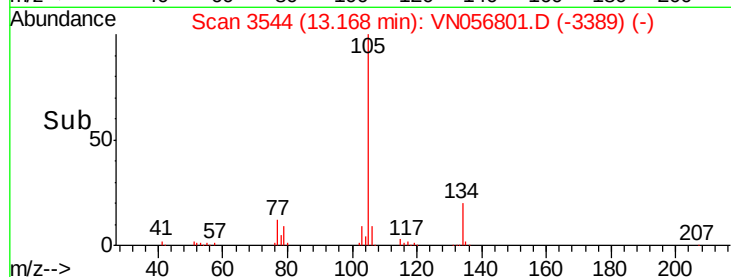
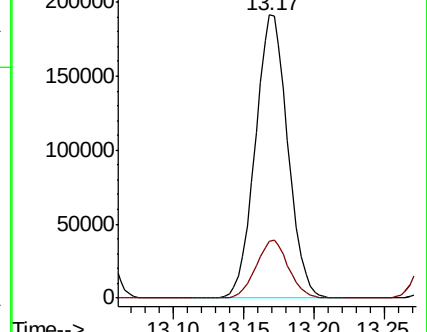
105 100

134 20.4 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.685 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

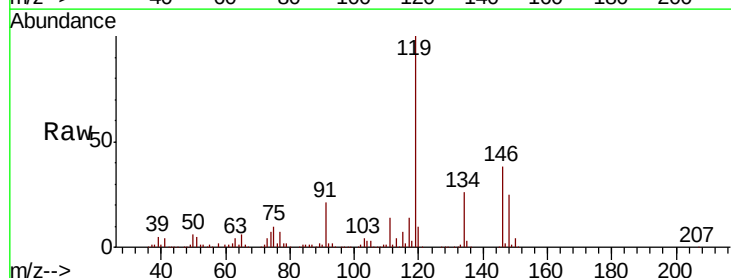
Tgt Ion:119 Resp: 283915

Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.8

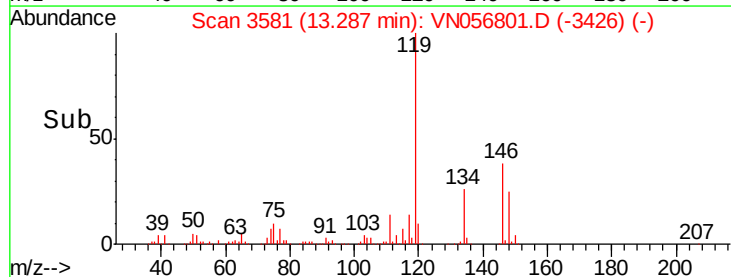
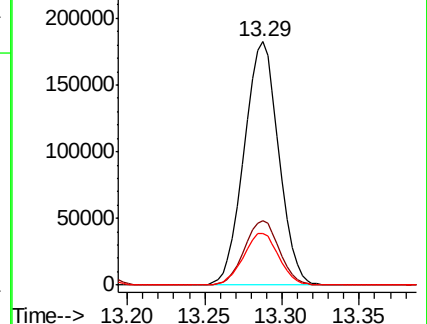
91 21.8 0.0 45.4

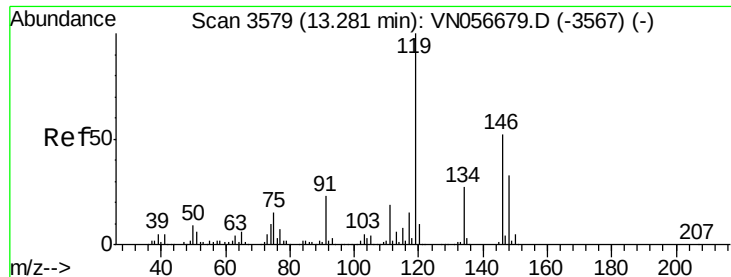


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

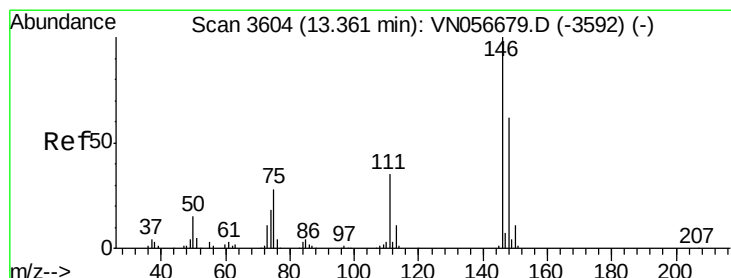
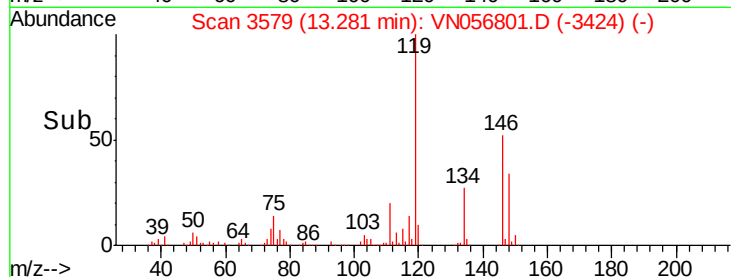
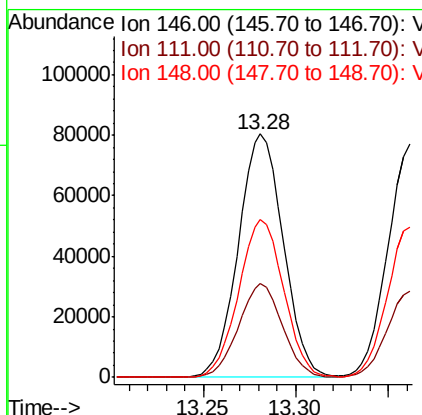
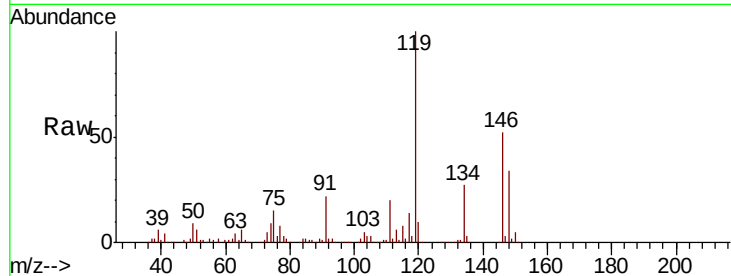




#83
 1,3-Dichlorobenzene
 Concen: 19.726 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

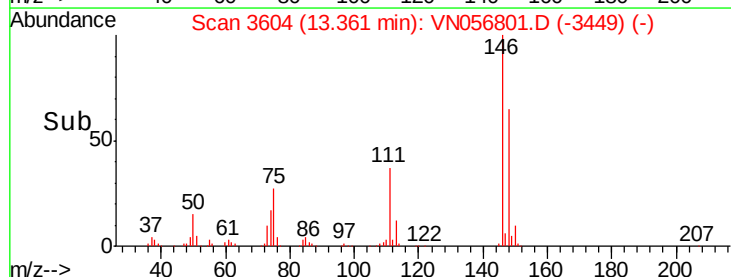
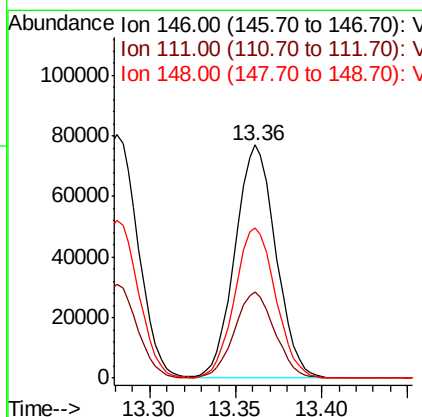
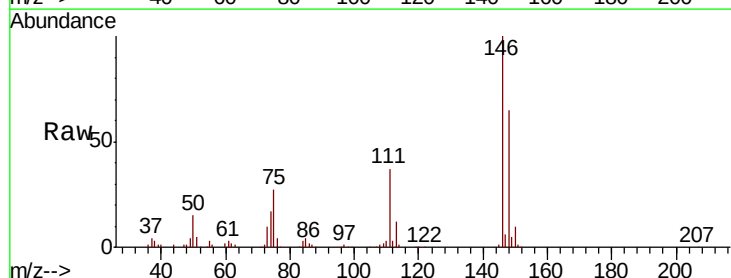
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

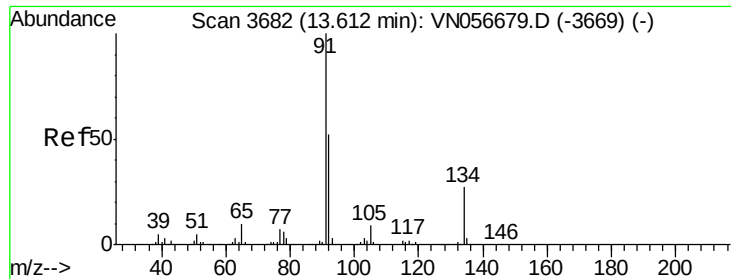
Tot Ion:146 Resp: 135007
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.7 56.1
 148 64.8 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 19.400 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion:146 Resp: 127272
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.8 53.4
 148 64.7 31.9 95.5





#85

n-Butylbenzene

Concen: 19.559 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

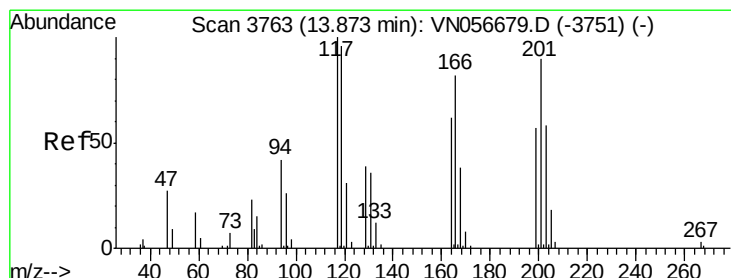
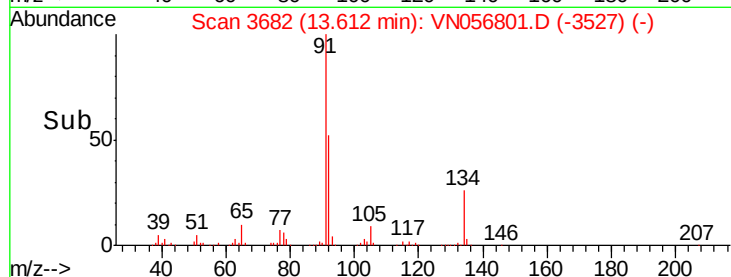
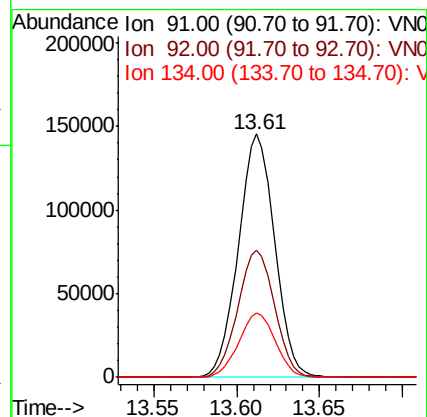
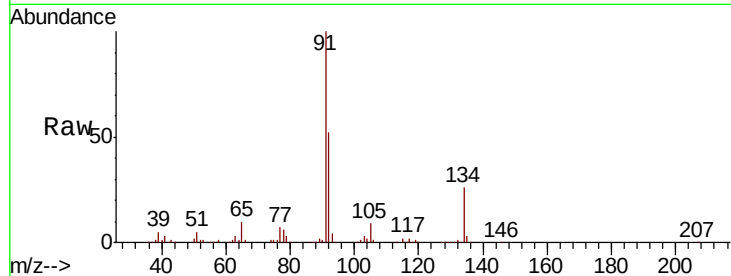
Tot Ion: 91 Resp: 221442

Ion Ratio Lower Upper

91 100

92 52.8 0.0 104.0

134 26.6 0.0 53.2



#86

Hexachloroethane

Concen: 20.875 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056801.D

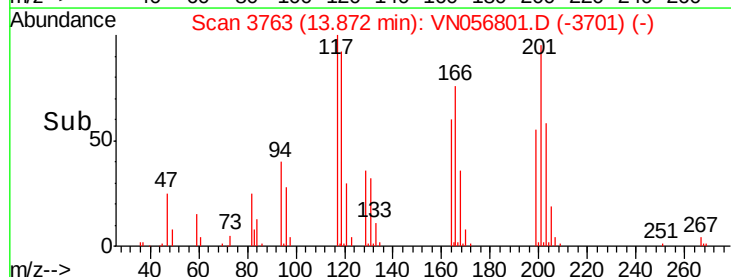
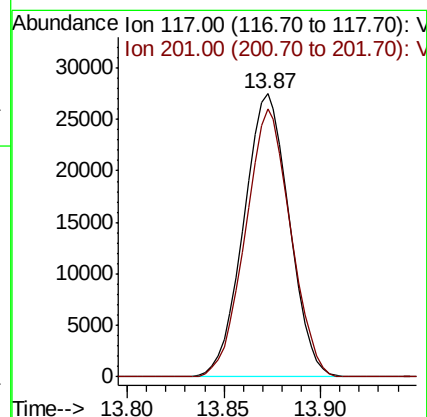
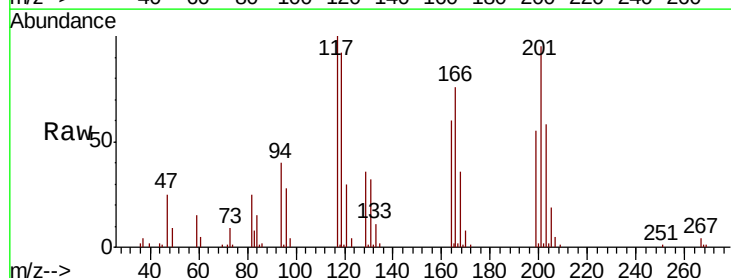
Acq: 18 Jul 2019 9:22

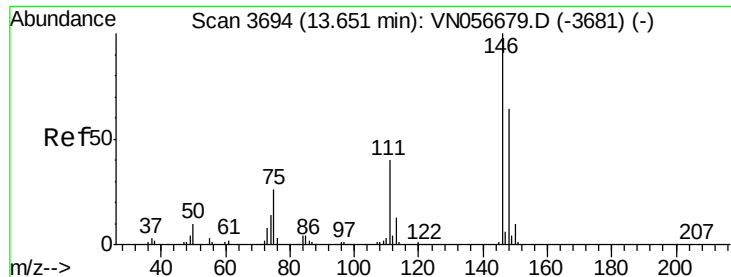
Tgt Ion: 117 Resp: 44957

Ion Ratio Lower Upper

117 100

201 93.9 45.6 136.7

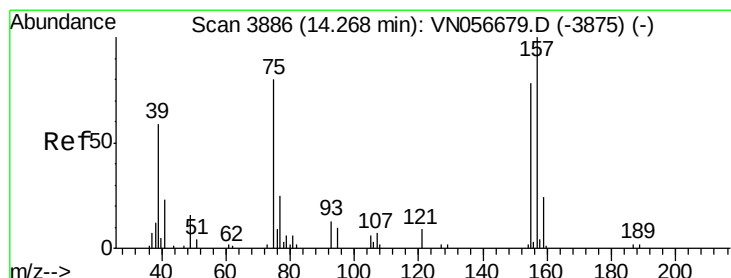
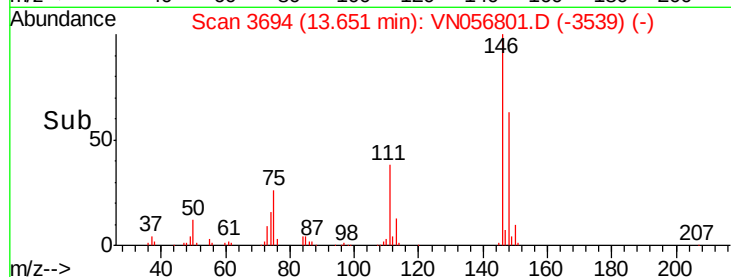
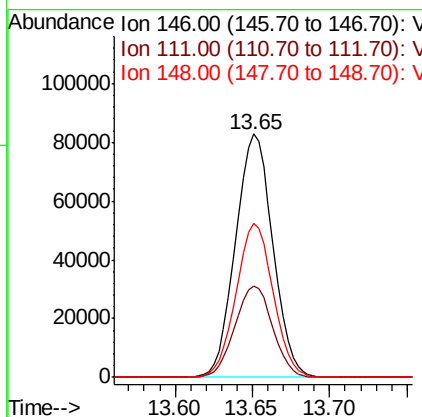
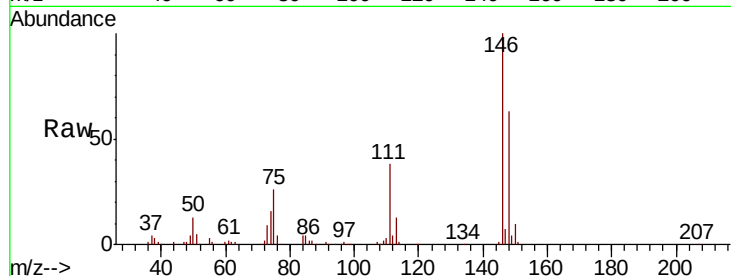




#87
 1,2-Dichlorobenzene
 Concen: 20.155 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

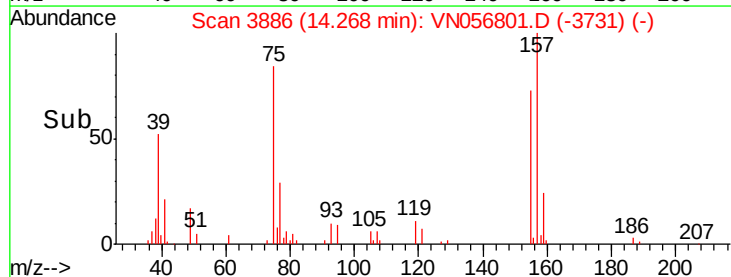
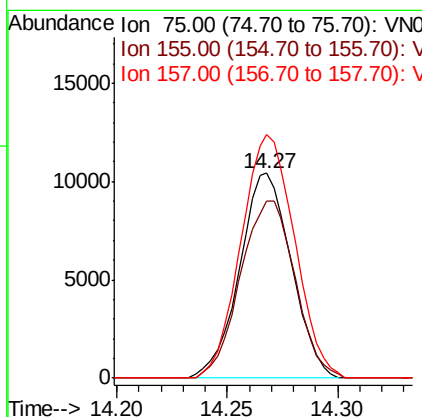
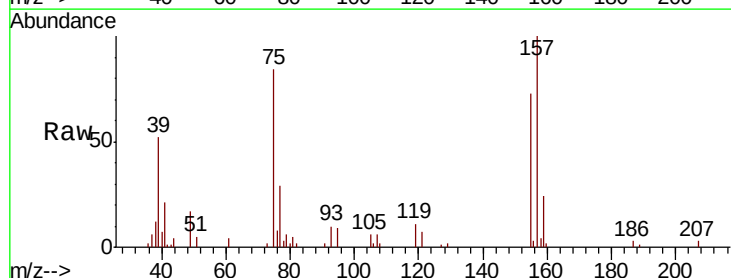
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

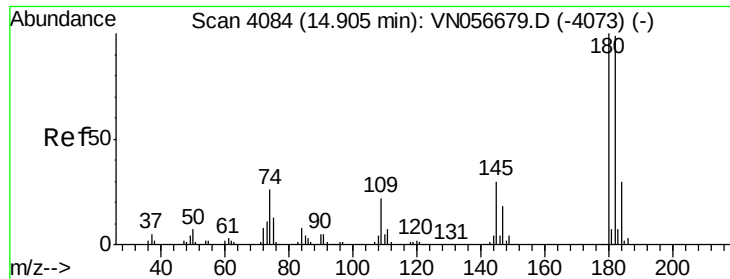
Tot Ion:146 Resp: 138627
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.7 59.0
 148 62.9 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.280 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion: 75 Resp: 16966
 Ion Ratio Lower Upper
 75 100
 155 90.9 78.6 117.8
 157 122.9 99.3 148.9

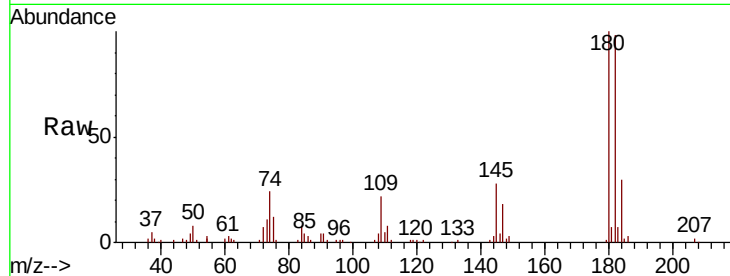




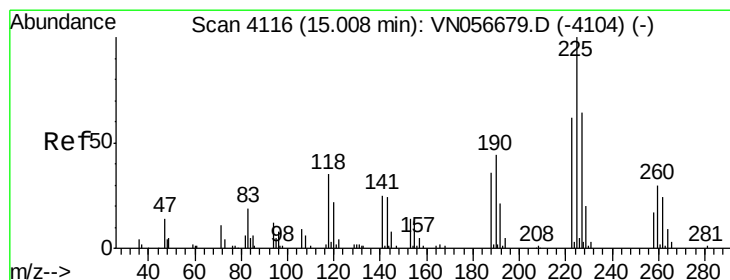
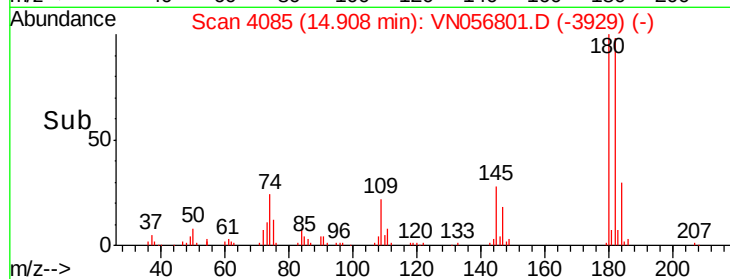
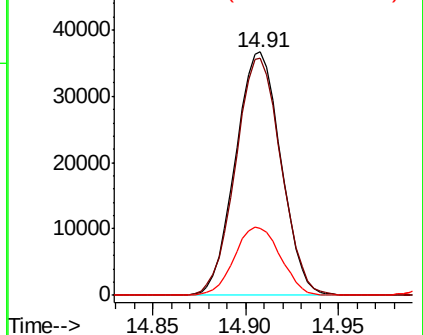
#89
 1,2,4-Trichlorobenzene
 Concen: 16.872 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:180 Resp: 62420
 Ion Ratio Lower Upper
 180 100
 182 97.8 78.2 117.4
 145 28.2 23.2 34.8

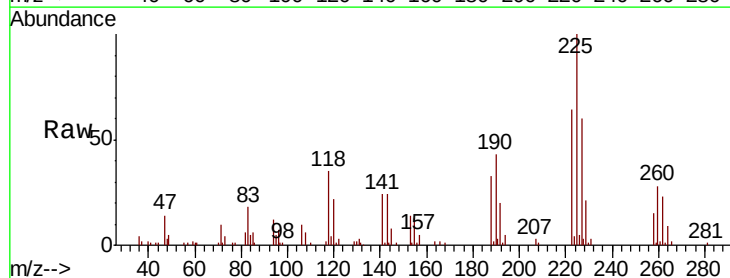


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

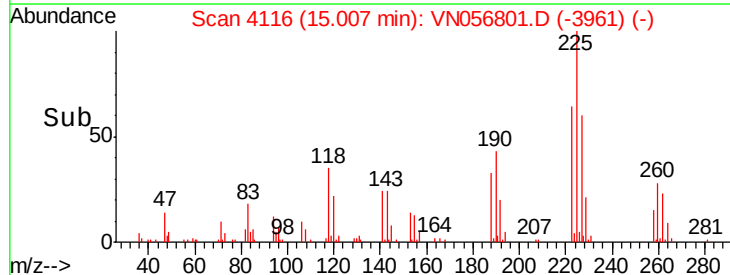
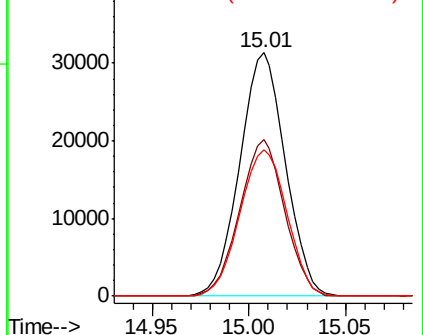


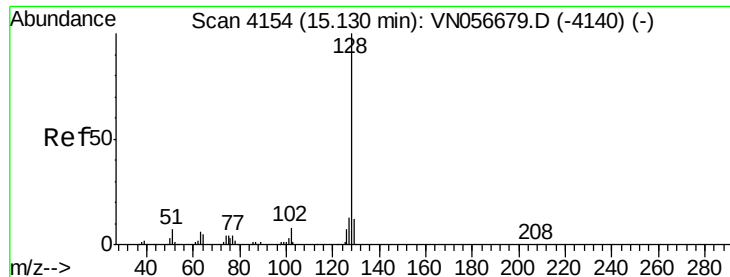
#90
 Hexachlorobutadiene
 Concen: 21.355 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056801.D
 Acq: 18 Jul 2019 9:22

Tgt Ion:225 Resp: 51367
 Ion Ratio Lower Upper
 225 100
 223 63.3 0.0 124.6
 227 62.0 0.0 128.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 15.465 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

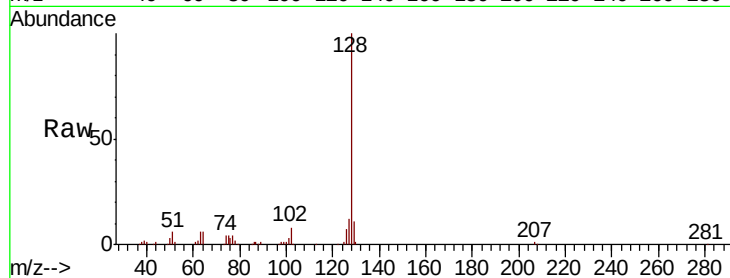
Tot Ion:128 Resp: 153884

Ion Ratio Lower Upper

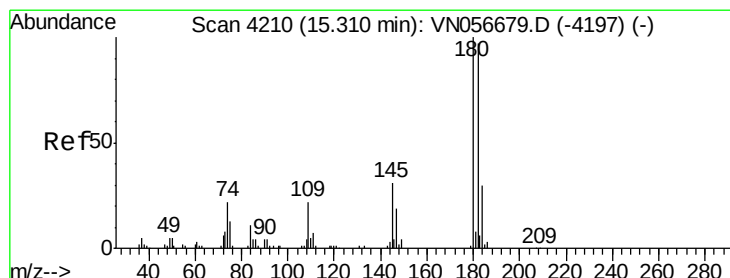
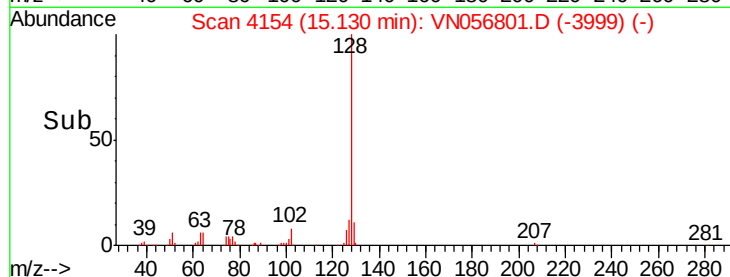
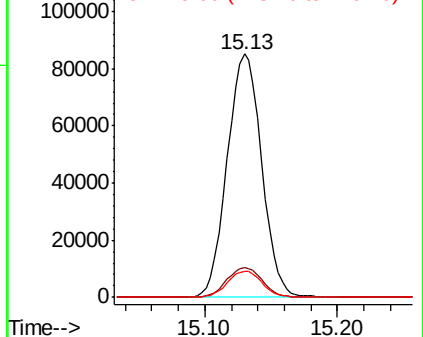
128 100

127 12.5 10.4 15.6

129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.436 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056801.D

Acq: 18 Jul 2019 9:22

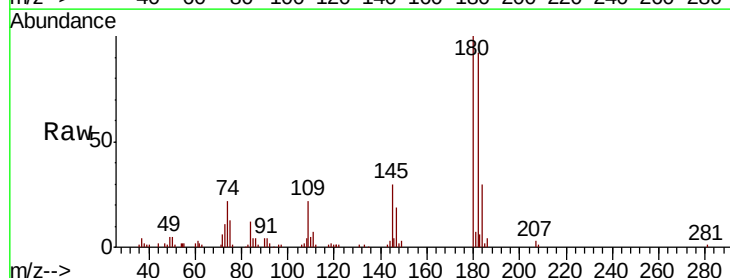
Tgt Ion:180 Resp: 67638

Ion Ratio Lower Upper

180 100

182 97.4 0.0 192.4

145 30.5 0.0 60.4



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

