

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056685.D
 Acq On : 12 Jul 2019 12:53
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Quant Time: Jul 13 00:09:00 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	7.20	128	53508	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	293821	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	255694	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	106053	29.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.53%
60) 4-Bromofluorobenzene	12.40	95	114029	29.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.13%
63) Toluene-d8	10.09	98	356967	30.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	63311	20.822 ug/l	98
3) Chloromethane	2.06	50	83256	20.474 ug/l	100
4) Vinyl Chloride	2.18	62	80381	20.097 ug/l	98
5) Bromomethane	2.55	94	52836	20.958 ug/l	92
6) Chloroethane	2.70	64	47142	20.628 ug/l	99
7) Trichlorofluoromethane	3.01	101	103447	20.166 ug/l	97
8) Diethyl Ether	3.41	74	41889	19.968 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	65127	20.359 ug/l	98
10) 1,1-Dichloroethene	3.73	96	63638	20.166 ug/l	97
11) Methyl Iodide	3.95	142	76505	18.242 ug/l	96
12) Methyl Acetate	4.32	43	80262	18.999 ug/l	95
13) Acrolein	3.61	56	27168	91.219 ug/l	98
14) Acrylonitrile	4.99	53	185435	99.647 ug/l	99
15) Acetone	3.82	58	57667	89.773 ug/l	99
16) Carbon Disulfide	4.05	76	158542	19.047 ug/l	100
17) Allyl chloride	4.32	41	106404	19.275 ug/l	100
18) Methylene Chloride	4.55	84	74696	20.160 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	67358	19.937 ug/l	99
20) Diisopropyl ether	5.95	45	221636	20.149 ug/l	98
21) 1,1-Dichloroethane	5.85	63	125007	19.890 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	78611	19.899 ug/l	100
23) tert-Butyl Alcohol	4.79	59	66544	102.509 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	199383	19.808 ug/l	99
25) Chloroform	7.37	83	124536	20.339 ug/l	97
26) Cyclohexane	7.65	56	115992	19.855 ug/l	# 97
29) 1,1-Dichloropropene	7.79	75	94302	20.191 ug/l	99
30) 2-Butanone	6.84	43	257028	95.051 ug/l	99
31) 2,2-Dichloropropane	6.82	77	88786	19.642 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	99559	19.998 ug/l	99
33) Carbon Tetrachloride	7.78	117	83412	19.470 ug/l	98
34) Benzene	8.04	78	292072	20.353 ug/l	98
35) Methacrylonitrile	7.21	41	146364	70.851 ug/l	# 50
36) 1,2-Dichloroethane	8.12	62	93382	20.257 ug/l	99
37) Trichloroethene	8.84	130	77537	19.895 ug/l	97
38) Methylcyclohexane	9.08	83	114301	19.372 ug/l	99
39) 1,2-Dichloropropane	9.12	63	77618	20.151 ug/l	100
40) Dibromomethane	9.21	93	48174	19.635 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	89467	19.786	ug/l	98
42) Vinyl Acetate	5.90	43	915866	101.766	ug/l	100
43) Ethyl Acetate	6.93	43	97999	20.055	ug/l	97
44) Isopropyl Acetate	8.17	43	151129	19.829	ug/l	100
45) 1,4-Dioxane	9.20	88	32392	420.100	ug/l	99
46) Methyl methacrylate	9.20	41	73537	20.084	ug/l	98
47) n-amyl Acetate	12.07	43	118253	18.972	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	94953	19.091	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	110034	19.611	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	72293	20.225	ug/l	97
51) Ethyl methacrylate	10.43	69	109813	19.973	ug/l	100
52) 1,3-Dichloropropane	10.71	76	120248	20.106	ug/l	98
53) Dibromochloromethane	10.90	129	69741	19.305	ug/l	98
54) 1,2-Dibromoethane	11.00	107	75317	20.274	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	258824	97.350	ug/l	99
56) Bromoform	12.13	173	49720	18.592	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	503091	104.537	ug/l	100
59) 2-Hexanone	10.75	43	364485	99.774	ug/l	99
61) Tetrachloroethene	10.63	164	77508	21.096	ug/l	97
62) Toluene	10.16	91	306762	20.426	ug/l	99
64) Chlorobenzene	11.43	112	185399	20.241	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	67400	20.070	ug/l	98
66) Ethyl Benzene	11.51	91	327821	20.194	ug/l	99
67) m/p-Xylenes	11.62	106	246318	40.206	ug/l	99
68) o-Xylene	11.95	106	121271	20.295	ug/l	99
69) Styrene	11.96	104	197659	19.963	ug/l	99
70) Isopropylbenzene	12.25	105	319024	20.368	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	105131	20.679	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	122613	28.219	ug/l	67
73) Bromobenzene	12.53	156	81430	19.895	ug/l	98
74) n-propylbenzene	12.59	91	347402	19.659	ug/l	99
75) 2-Chlorotoluene	12.67	91	215139	20.215	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	269518	20.174	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	25829	17.883	ug/l	93
78) 4-Chlorotoluene	12.77	91	203891	19.756	ug/l	100
79) tert-butylbenzene	12.99	119	229769	20.217	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	264501	19.963	ug/l	98
81) sec-Butylbenzene	13.17	105	298045	19.812	ug/l	99
82) p-Isopropyltoluene	13.29	119	270613	19.780	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	131643	19.297	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	124246	19.000	ug/l	99
85) n-Butylbenzene	13.61	91	210000	18.609	ug/l	99
86) Hexachloroethane	13.87	117	40618	18.922	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	136144	19.859	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17483	19.933	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	64787	17.569	ug/l	98
90) Hexachlorobutadiene	15.01	225	46818	19.528	ug/l	98
91) Naphthalene	15.13	128	164868	16.623	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	69613	18.004	ug/l	100

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

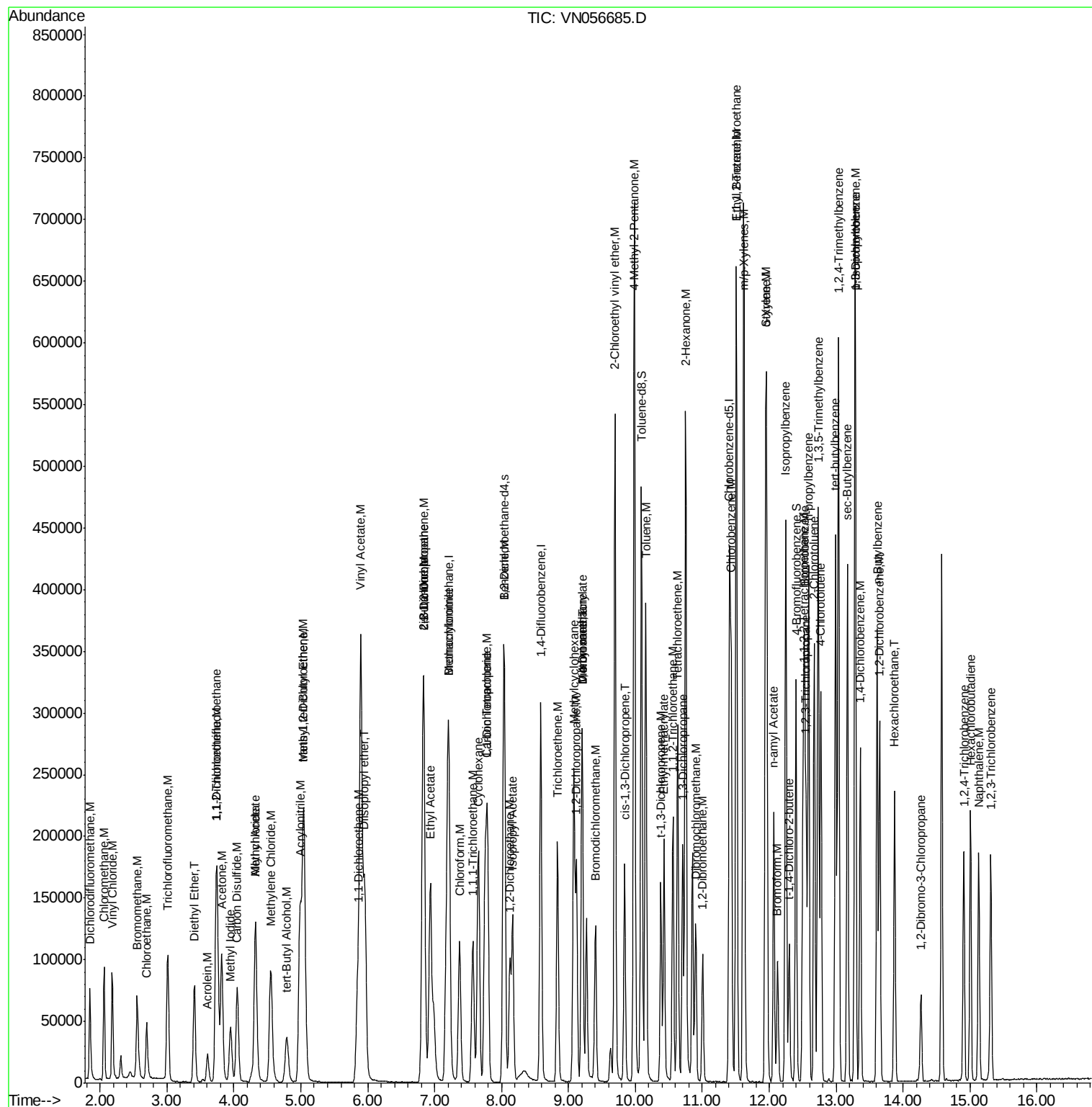
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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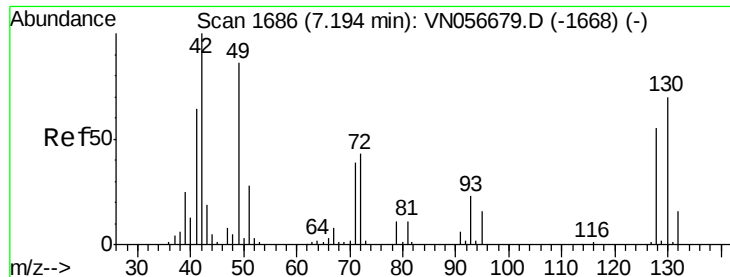
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071319\
Data File : VN056685.D
Acq On : 12 Jul 2019 12:53
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Jul 13 00:09:00 2019
Quant Method : Z:\V0ASRV\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: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

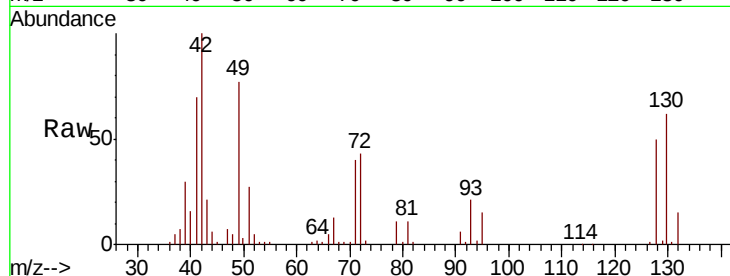
Tot Ion:128 Resp: 53508

Ion Ratio Lower Upper

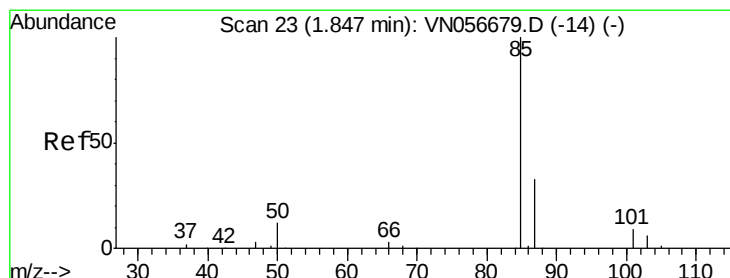
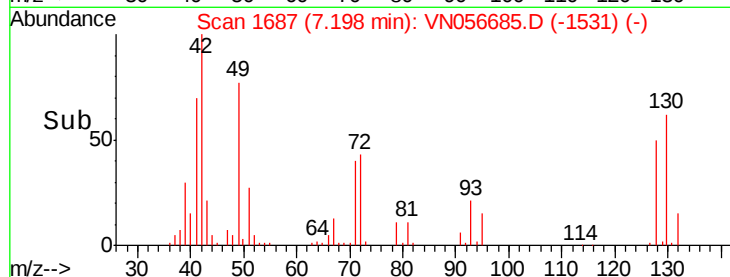
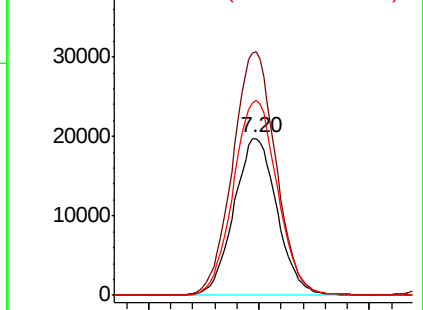
128 100

49 155.3 0.0 390.5

130 127.0 0.0 316.5



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



#2

Dichlorodifluoromethane

Concen: 20.822 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056685.D

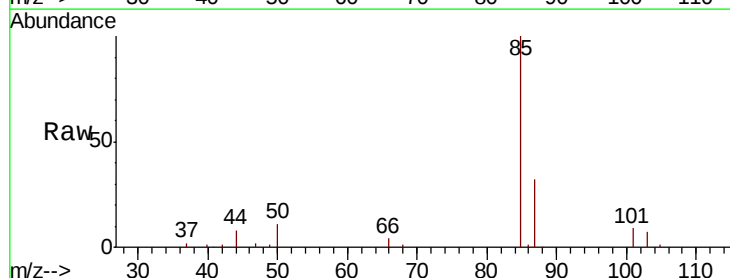
Acq: 12 Jul 2019 12:53

Tgt Ion: 85 Resp: 63311

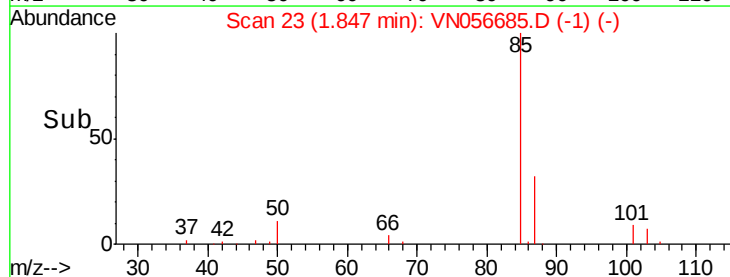
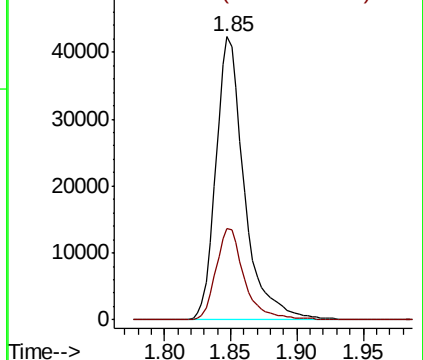
Ion Ratio Lower Upper

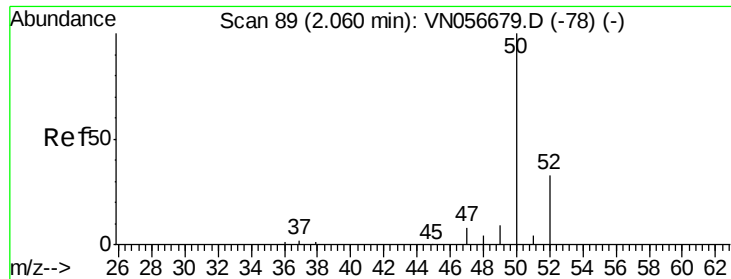
85 100

87 32.3 16.8 50.3



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

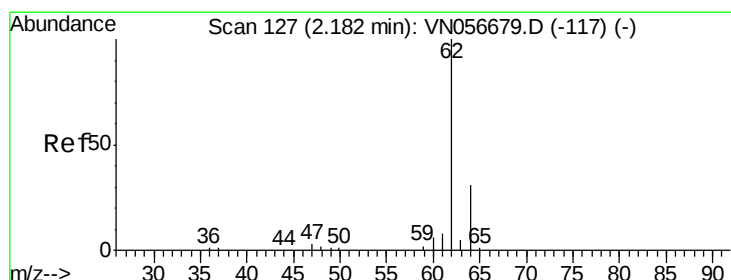
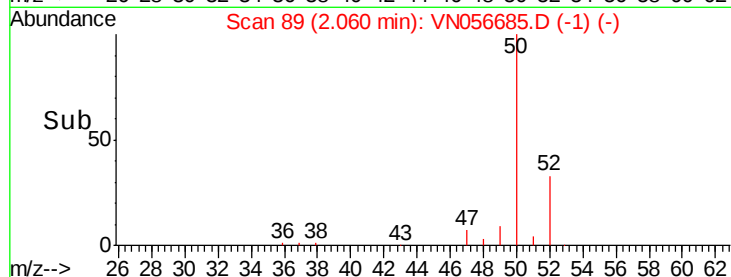
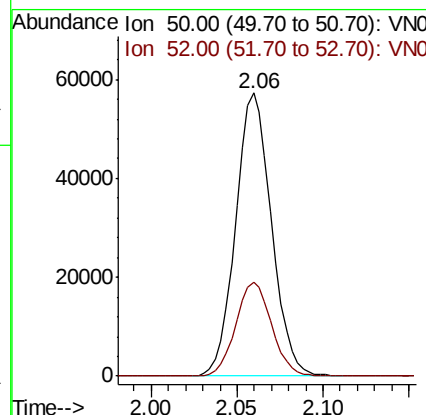
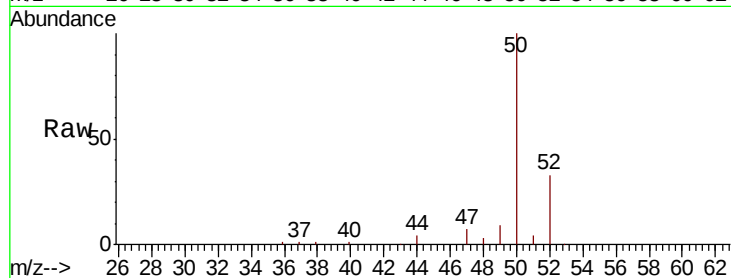




#3
Chloromethane
Concen: 20.474 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

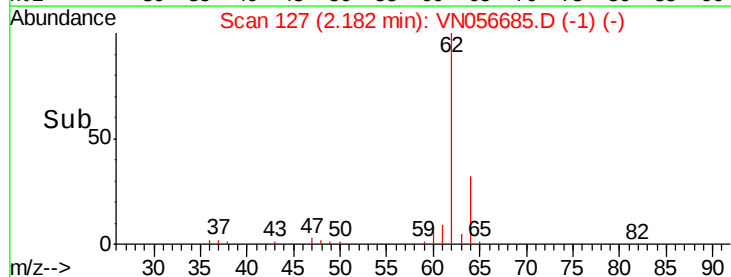
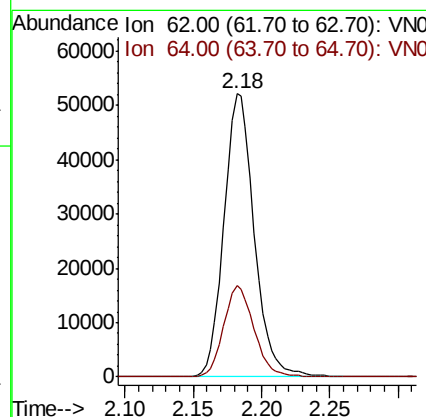
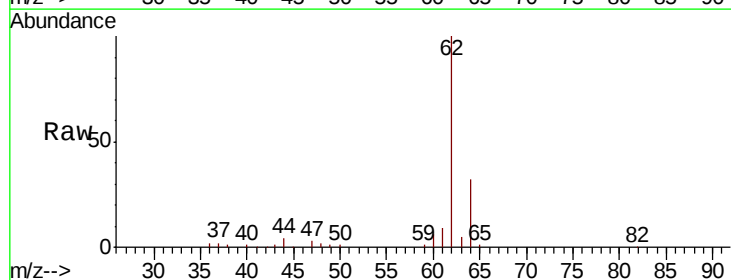
Instrument :
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ClientSampleId :
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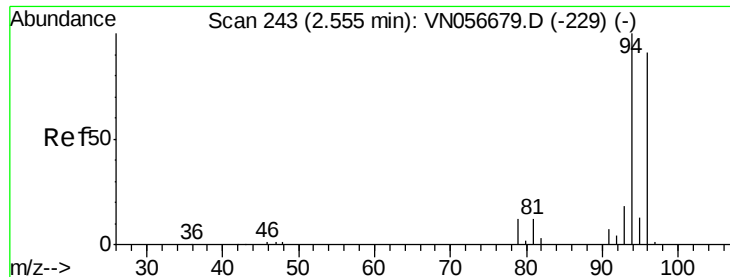
Tot Ion: 50 Resp: 83256
Ion Ratio Lower Upper
50 100
52 33.1 26.5 39.7



#4
Vinyl Chloride
Concen: 20.097 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion: 62 Resp: 80381
Ion Ratio Lower Upper
62 100
64 32.2 25.0 37.4

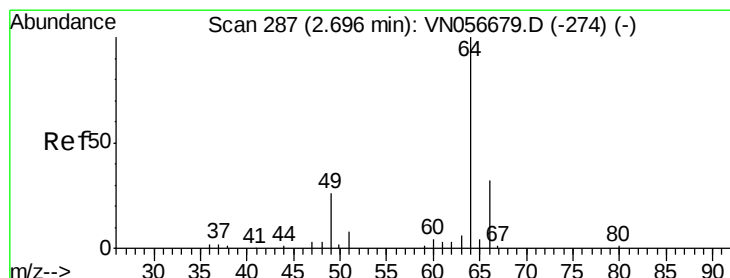
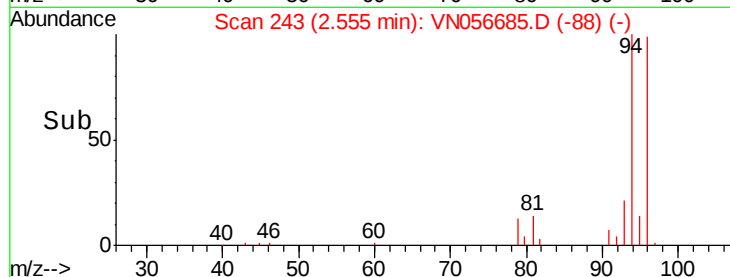
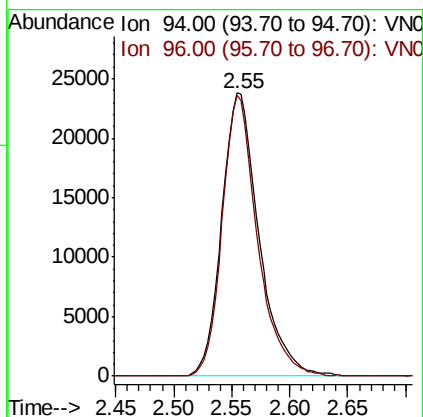
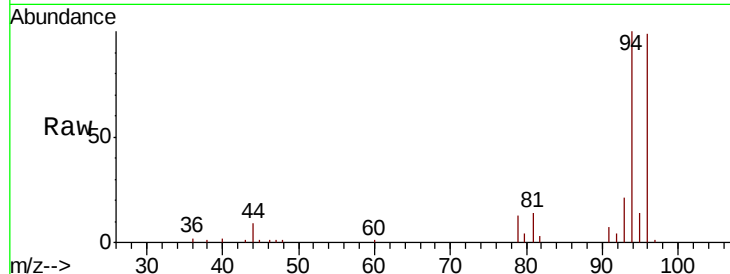




#5
Bromomethane
Concen: 20.958 ug/l
RT: 2.55 min Scan# 243
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

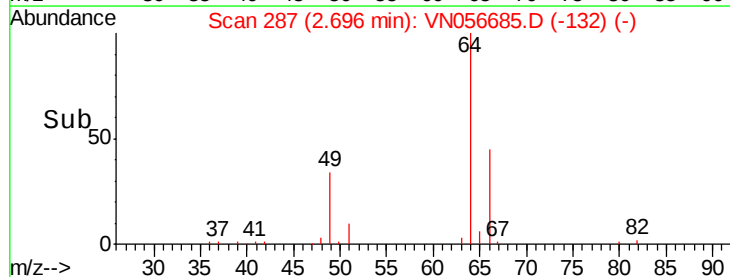
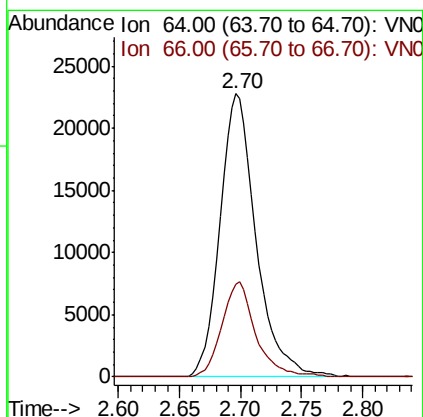
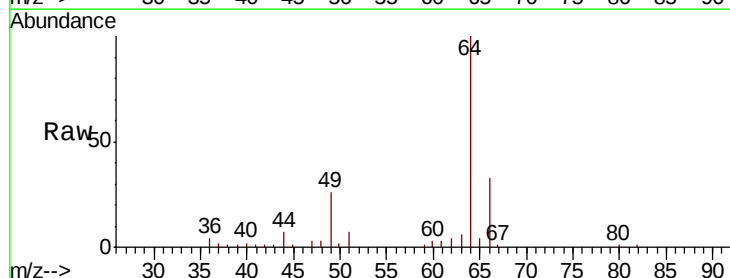
Instrument :
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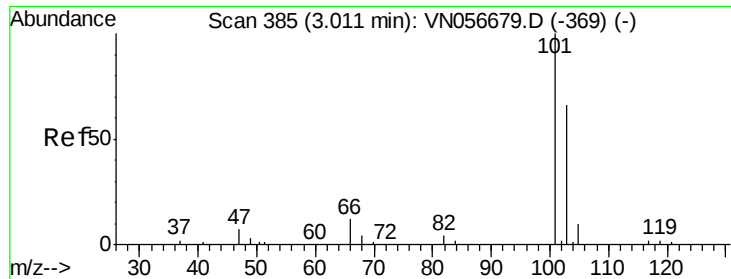
Tot Ion: 94 Resp: 52836
Ion Ratio Lower Upper
94 100
96 99.0 72.8 109.2



#6
Chloroethane
Concen: 20.628 ug/l
RT: 2.70 min Scan# 287
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion: 64 Resp: 47142
Ion Ratio Lower Upper
64 100
66 32.7 25.7 38.5



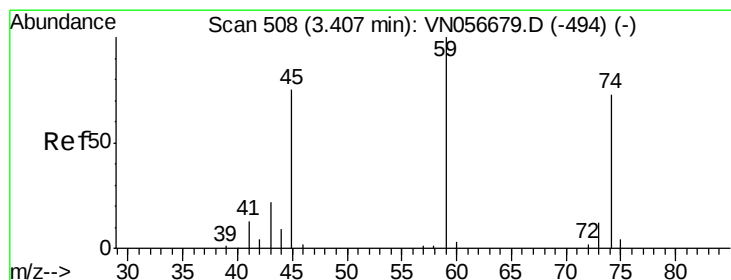
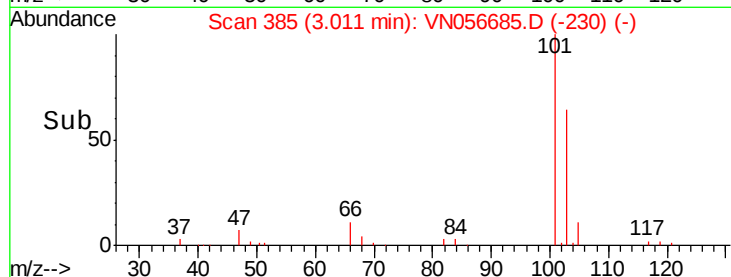
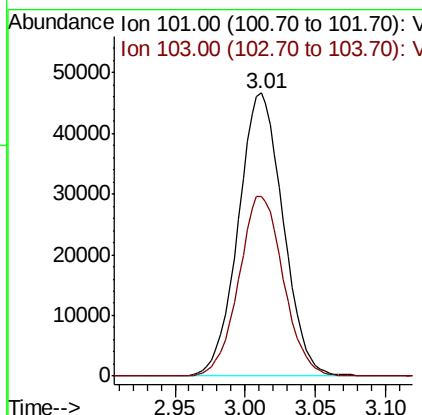
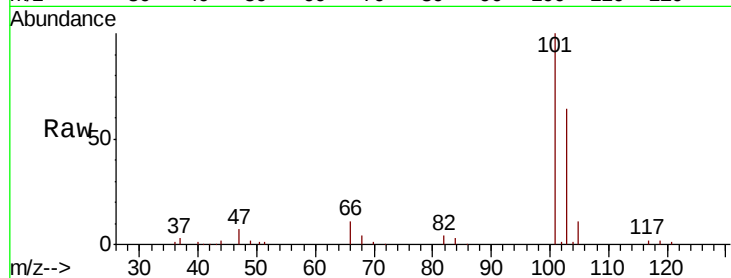


#7

Trichlorofluoromethane
 Concen: 20.166 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
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 ClientSampleId :
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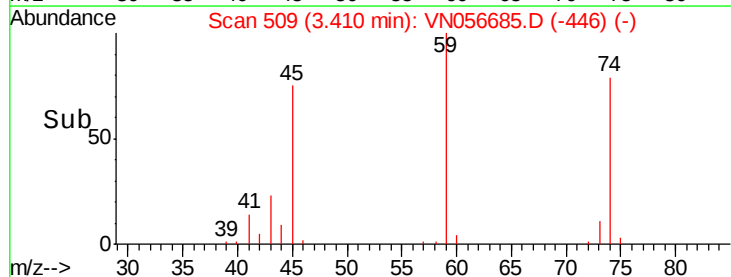
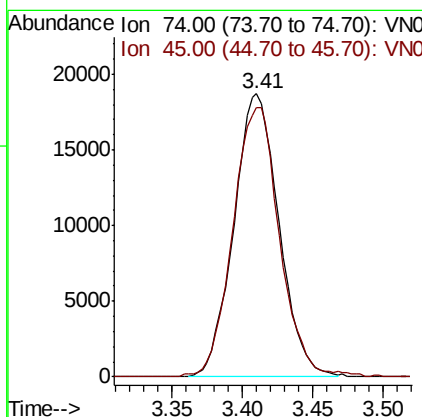
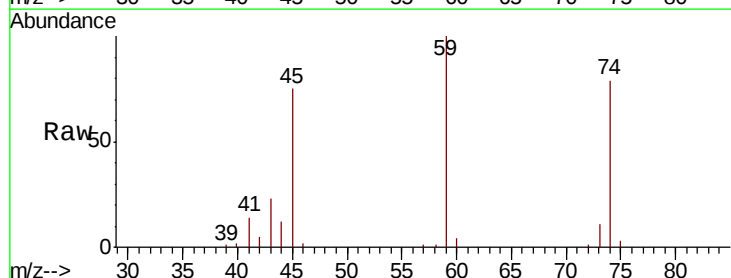
Tot Ion:101 Resp: 103447
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.8 79.2

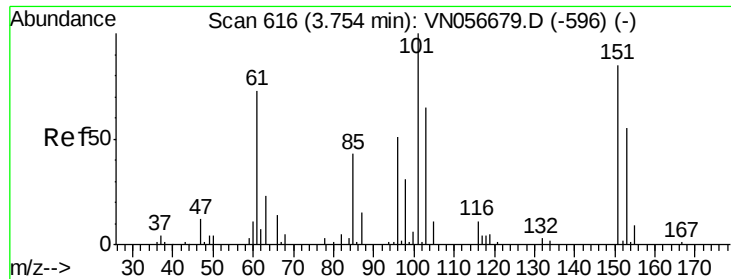


#8

Diethyl Ether
 Concen: 19.968 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion: 74 Resp: 41889
 Ion Ratio Lower Upper
 74 100
 45 98.1 19.9 179.5

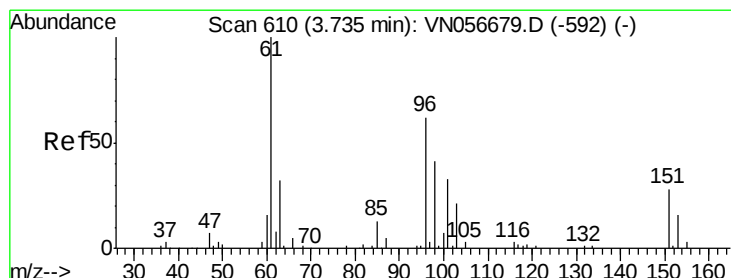
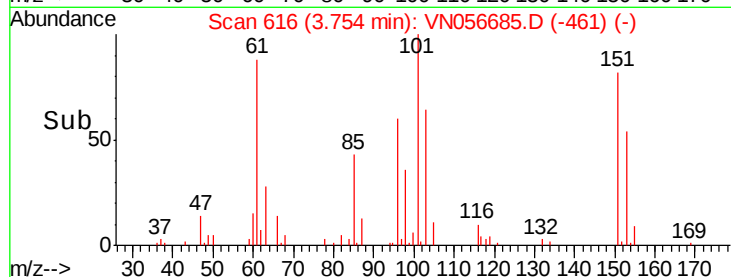
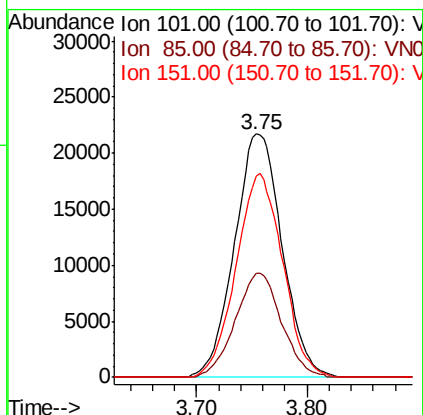
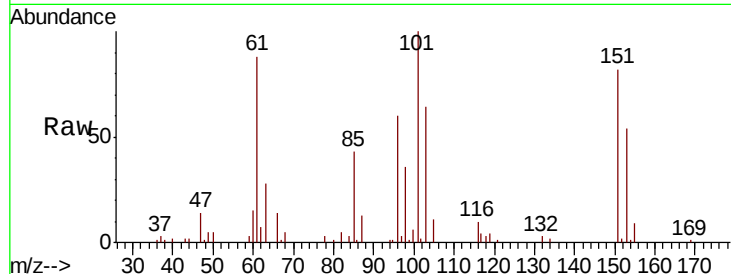




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.359 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

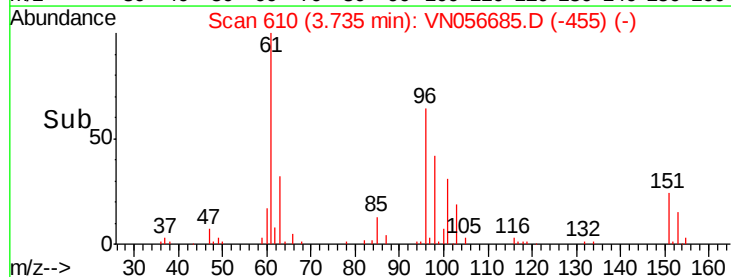
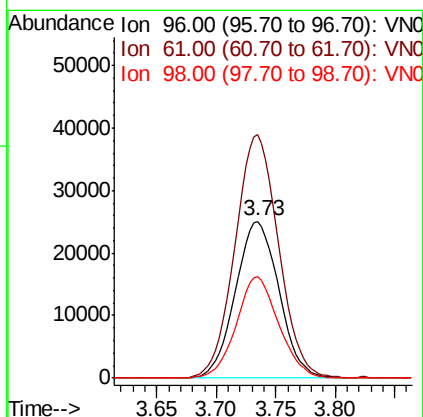
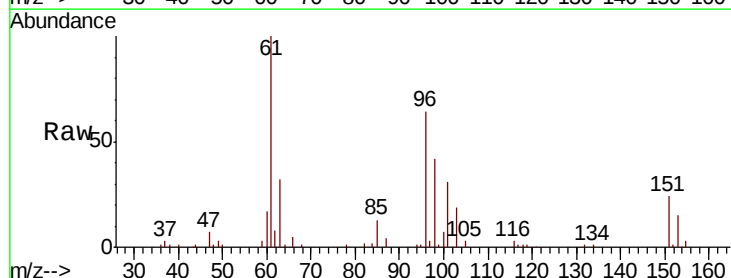
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

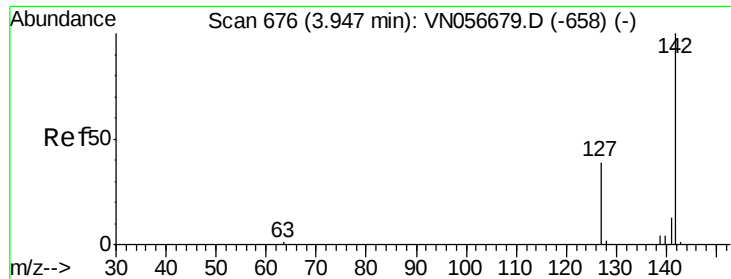
Tot Ion:101 Resp: 65127
 Ion Ratio Lower Upper
 101 100
 85 41.4 0.0 84.2
 151 81.8 0.0 167.6



#10
 1,1-Dichloroethene
 Concen: 20.166 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion: 96 Resp: 63638
 Ion Ratio Lower Upper
 96 100
 61 155.5 129.0 193.4
 98 64.7 52.5 78.7

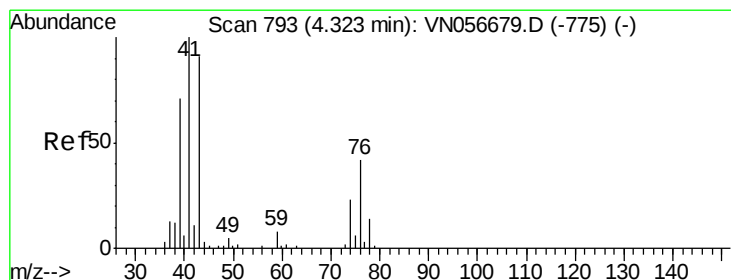
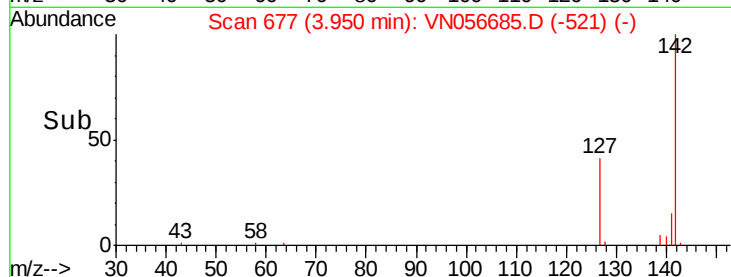
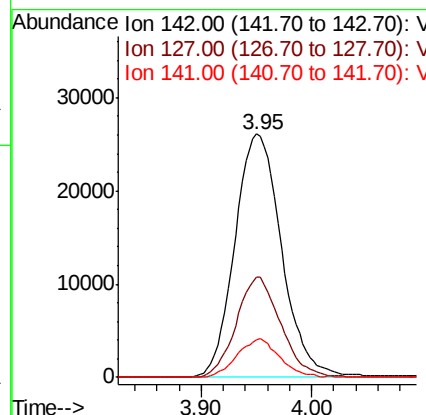
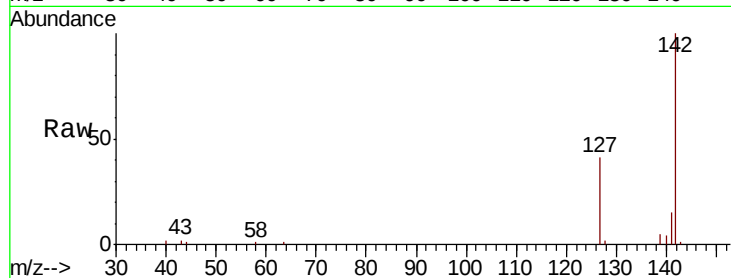




#11
Methvl Iodide
Concen: 18.242 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

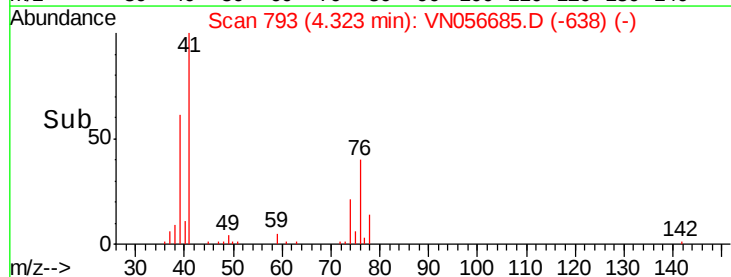
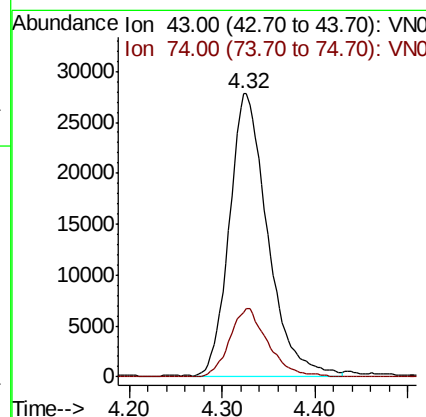
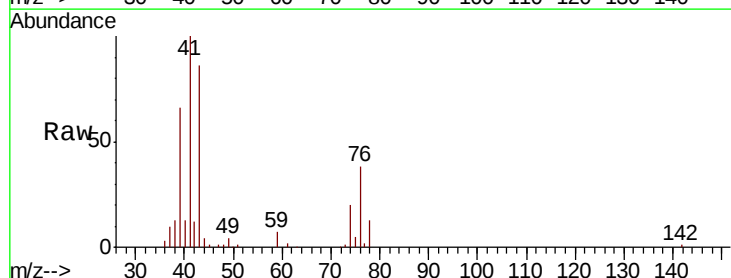
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

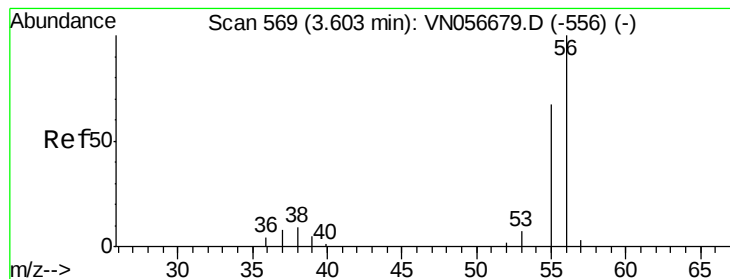
Tot Ion:142 Resp: 76505
Ion Ratio Lower Upper
142 100
127 41.3 19.5 58.5
141 15.5 6.8 20.3



#12
Methyl Acetate
Concen: 18.999 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion: 43 Resp: 80262
Ion Ratio Lower Upper
43 100
74 23.0 20.2 30.4





#13

Acrolein

Concen: 91.219 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

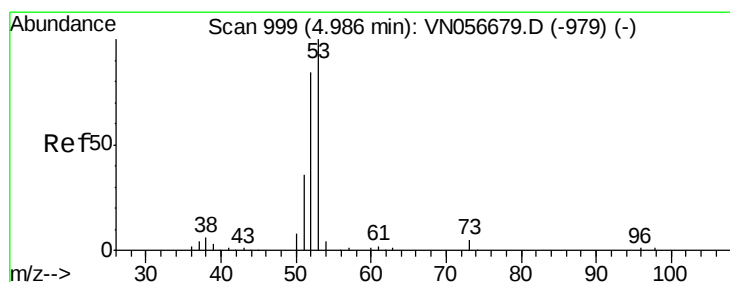
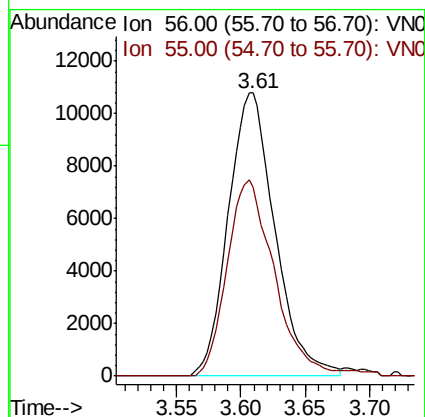
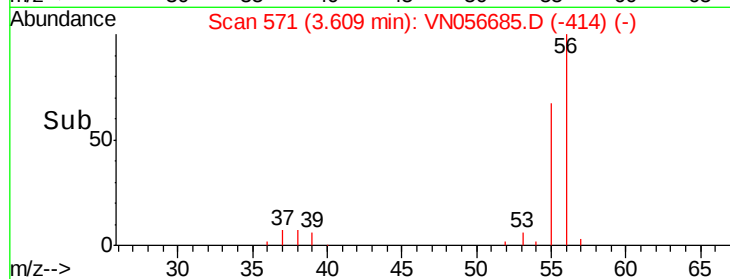
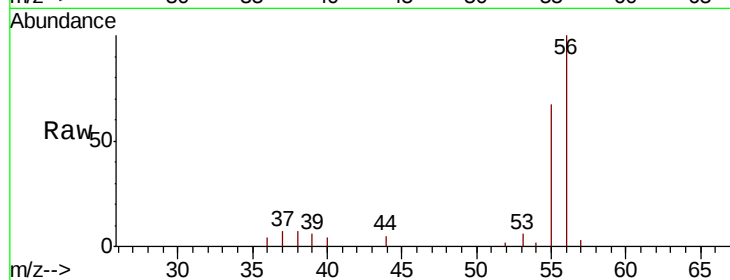
ICVVN071319

Tot Ion: 56 Resp: 27168

Ion Ratio Lower Upper

56 100

55 69.8 56.9 85.3



#14

Acrylonitrile

Concen: 99.647 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

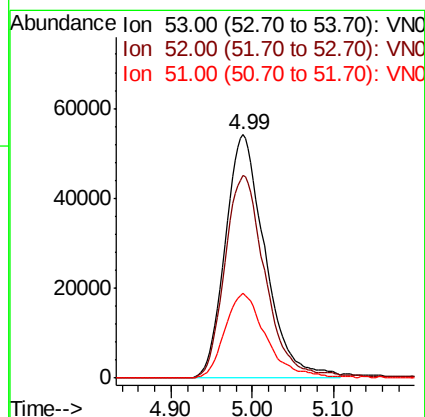
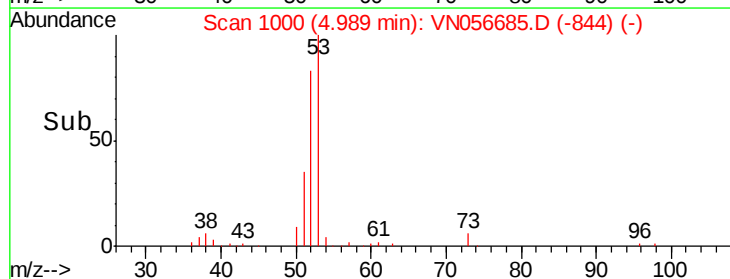
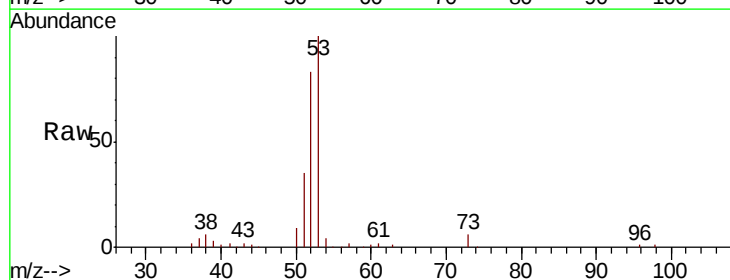
Tgt Ion: 53 Resp: 185435

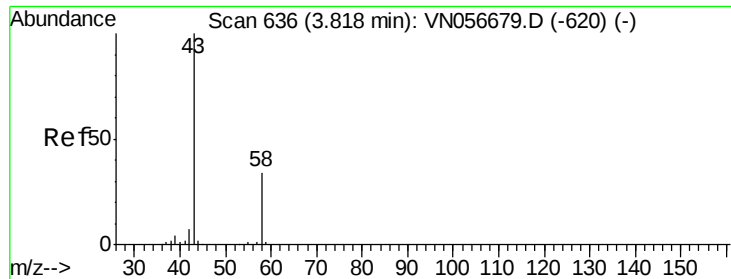
Ion Ratio Lower Upper

53 100

52 83.1 41.3 123.7

51 36.1 17.7 53.1





#15

Acetone

Concen: 89.773 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

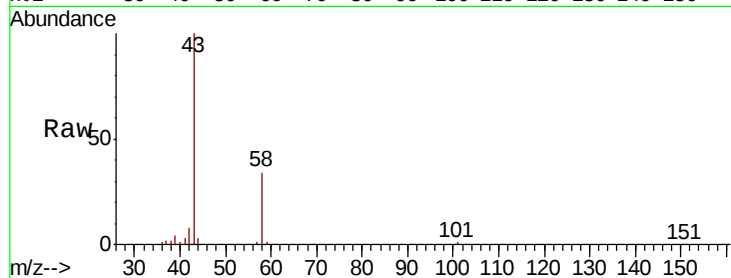
ICVVN071319

Tot Ion: 58 Resp: 57667

Ion Ratio Lower Upper

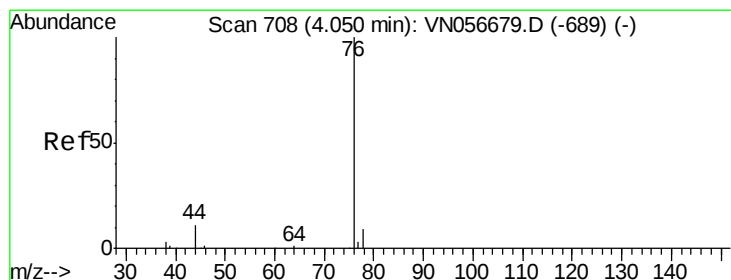
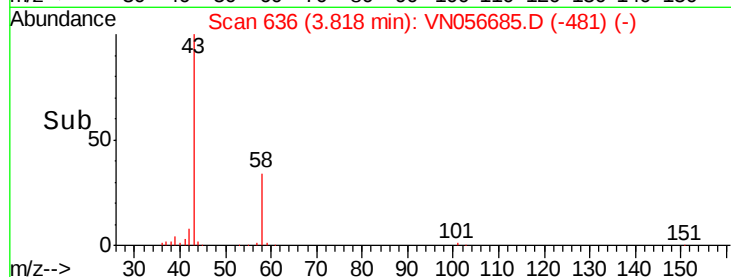
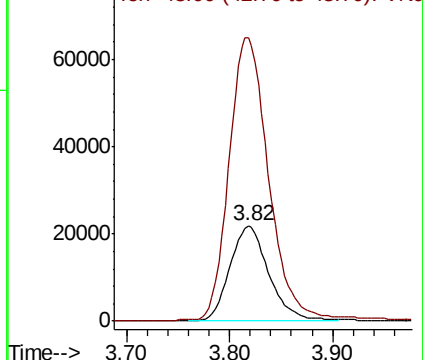
58 100

43 294.4 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.047 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056685.D

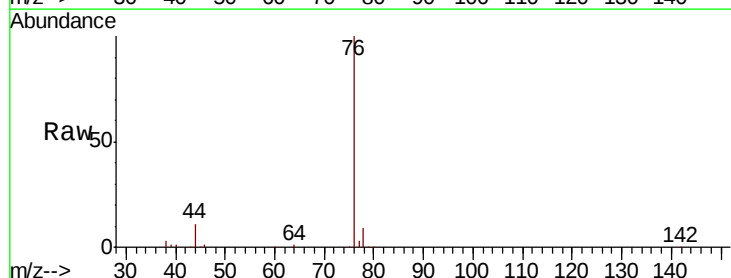
Acq: 12 Jul 2019 12:53

Tgt Ion: 76 Resp: 158542

Ion Ratio Lower Upper

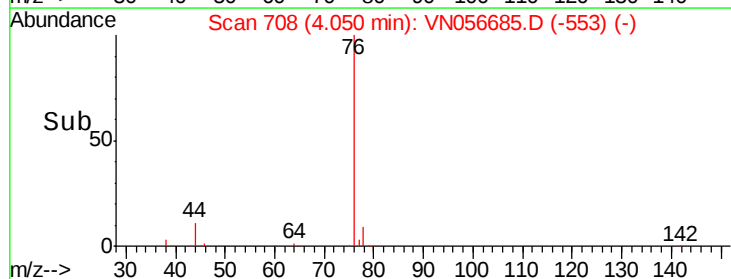
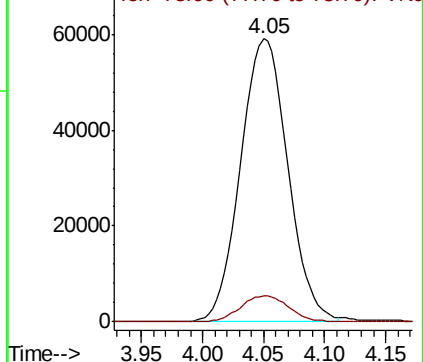
76 100

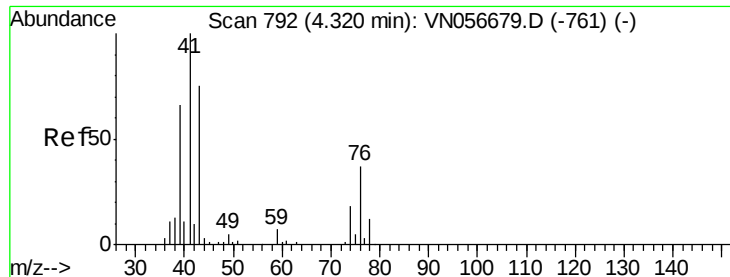
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

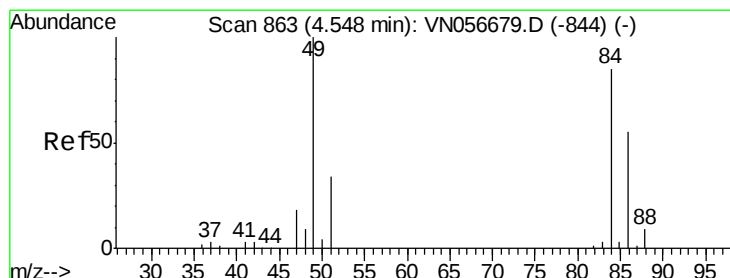
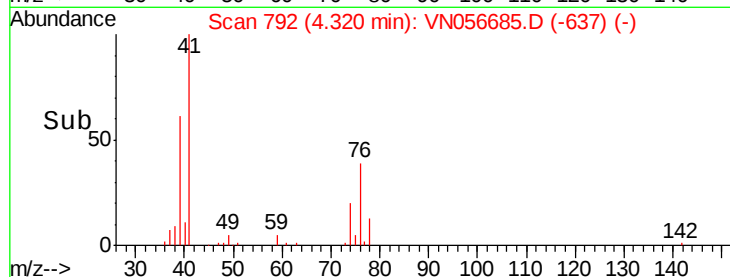
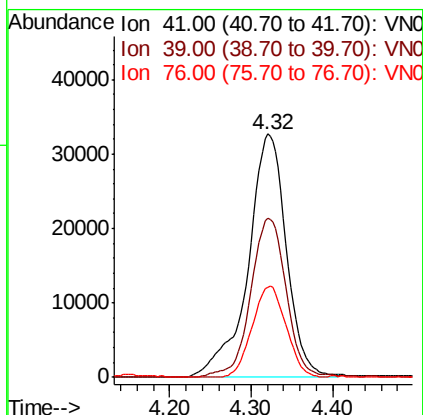
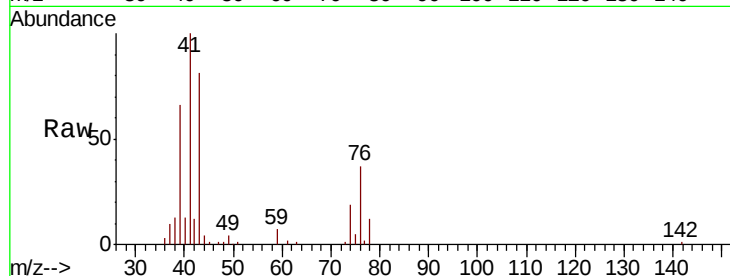




#17
Allvl chloride
Concen: 19.275 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

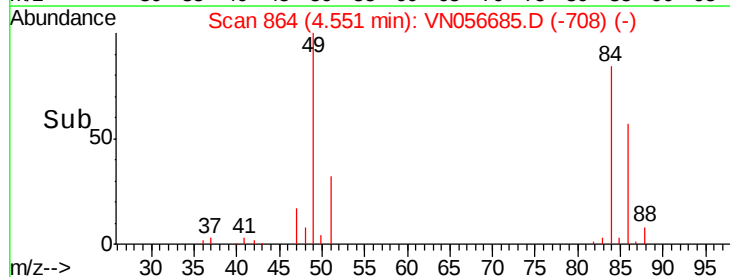
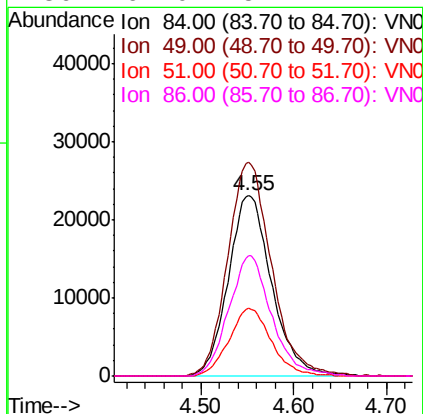
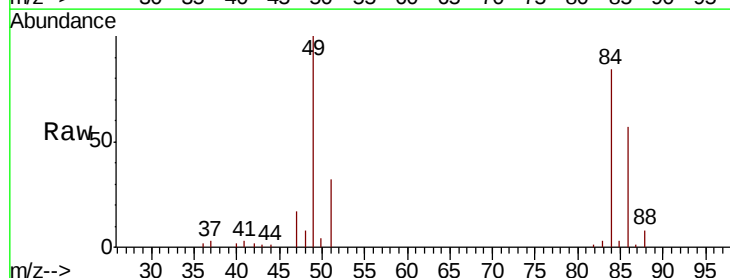
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

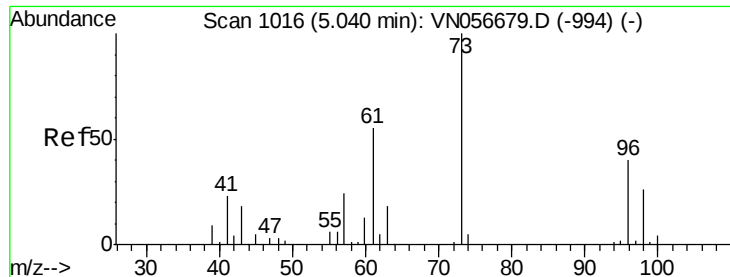
Tot Ion: 41 Resp: 106404
Ion Ratio Lower Upper
41 100
39 65.6 32.8 98.4
76 36.8 18.5 55.5



#18
Methylene Chloride
Concen: 20.160 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion: 84 Resp: 74696
Ion Ratio Lower Upper
84 100
49 117.9 93.9 140.9
51 37.6 31.7 47.5
86 67.0 51.4 77.2

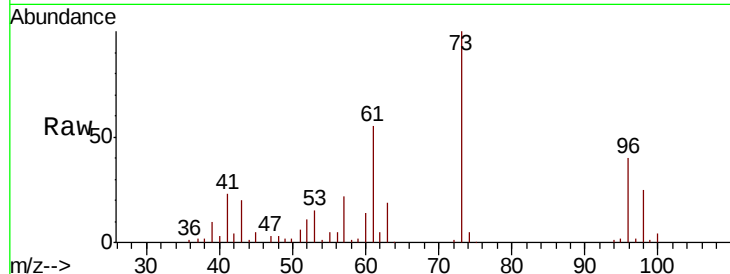




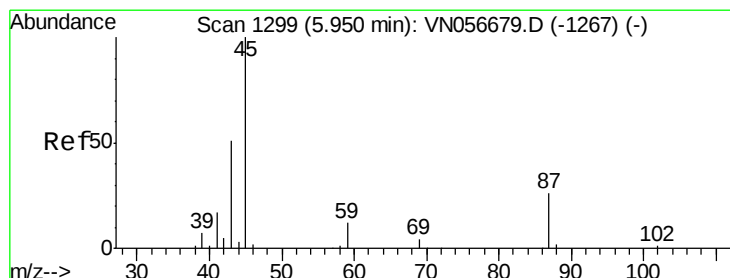
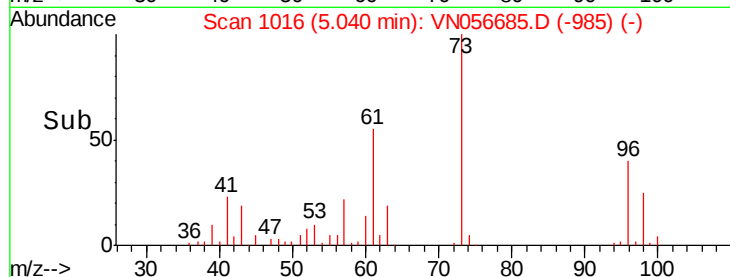
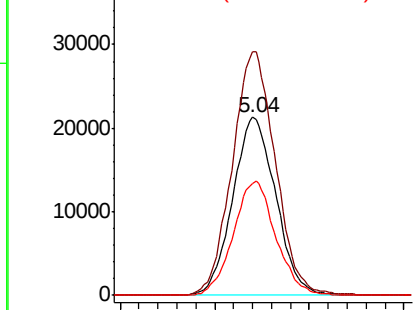
#19
trans-1,2-Dichloroethene
Concen: 19.937 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion: 96 Resp: 67358
Ion Ratio Lower Upper
96 100
61 136.7 109.6 164.4
98 62.9 51.4 77.2

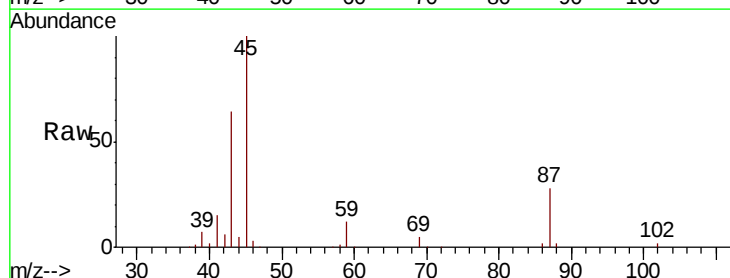


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

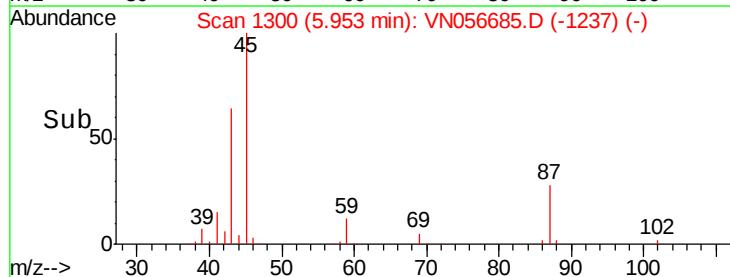
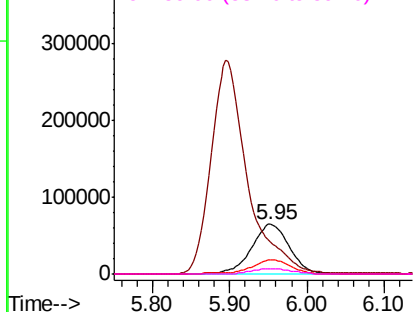


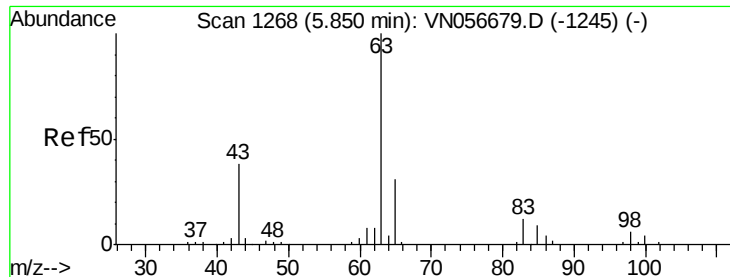
#20
Diisopropyl ether
Concen: 20.149 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion: 45 Resp: 221636
Ion Ratio Lower Upper
45 100
43 61.3 50.3 75.5
87 27.6 21.4 32.0
59 11.5 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

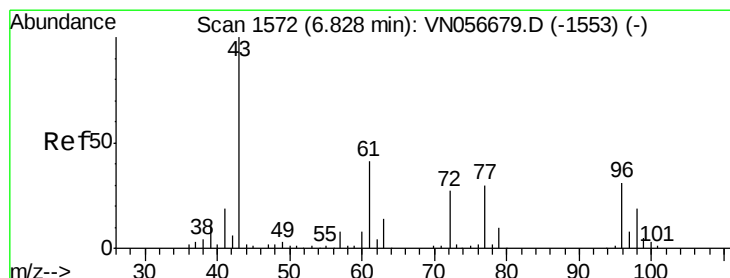
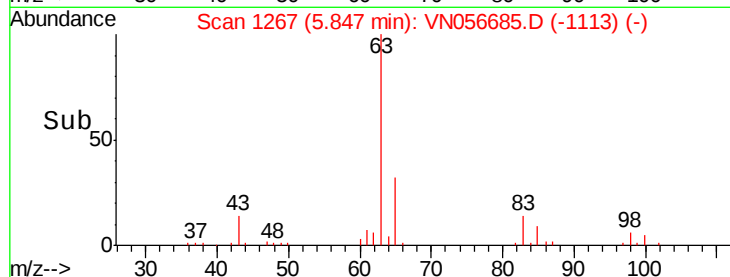
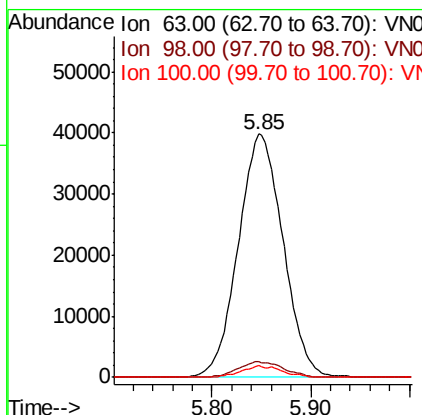
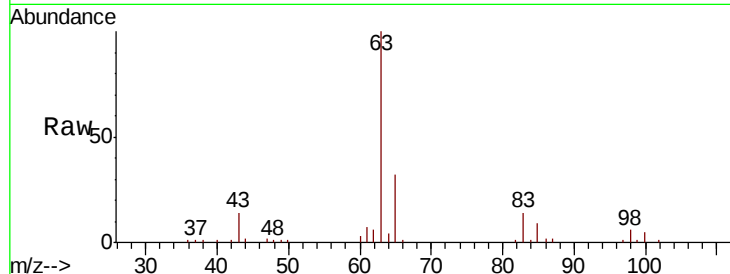




#21
 1,1-Dichloroethane
 Concen: 19.890 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

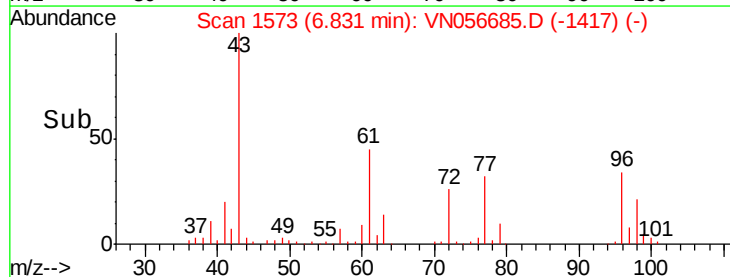
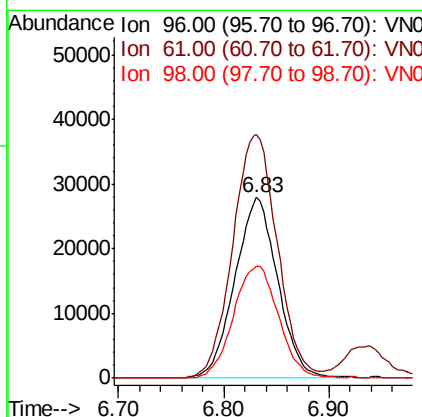
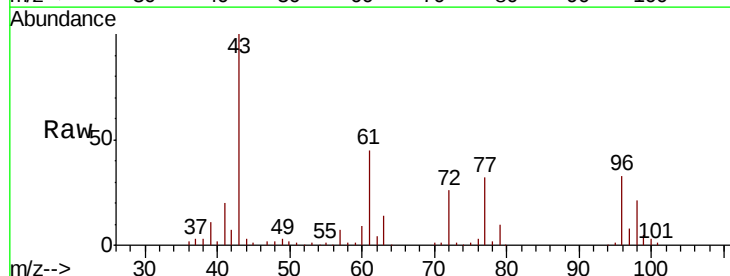
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

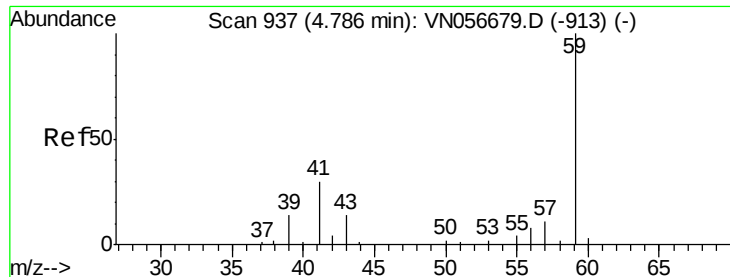
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.3	9.8
100	4.8	2.1	6.3



#22
 cis-1,2-Dichloroethene
 Concen: 19.899 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.4	112.1	168.1
98	65.3	52.2	78.2



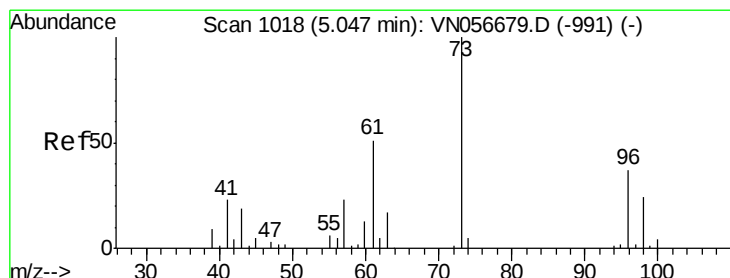
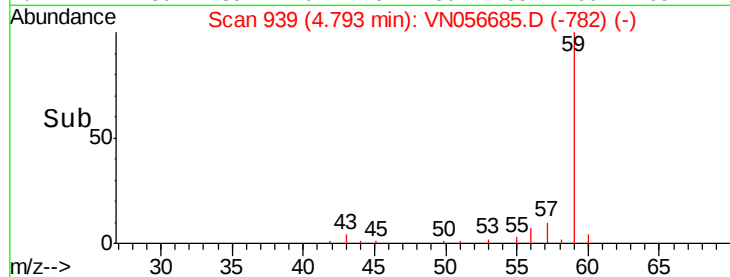
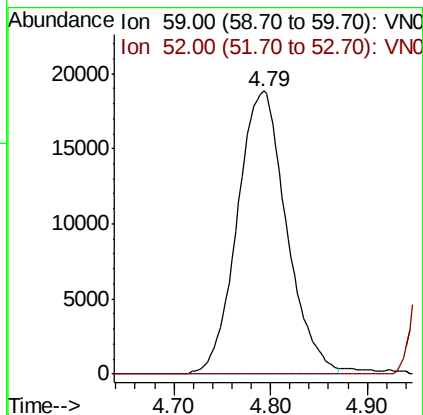
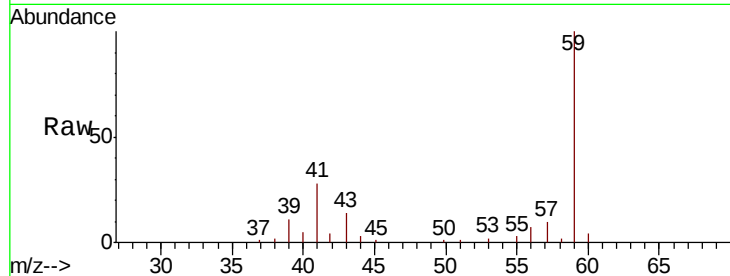


#23

tert-Butyl Alcohol
 Concen: 102.509 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

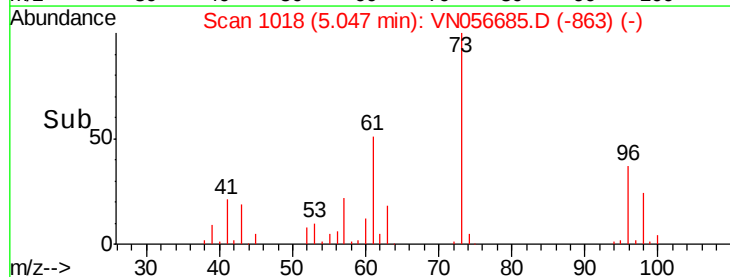
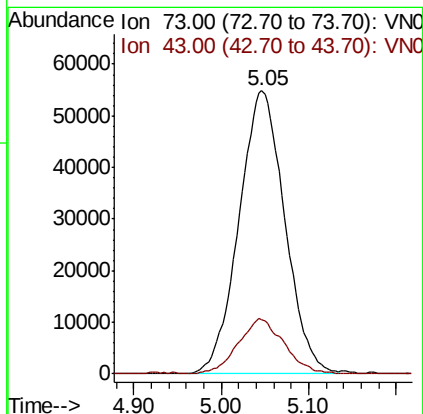
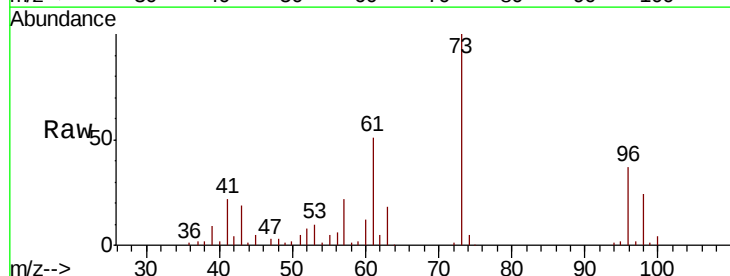
Tot Ion: 59 Resp: 66544
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

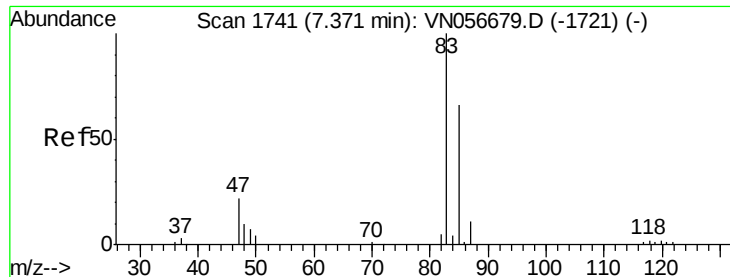


#24

Methyl tert-Butyl Ether
 Concen: 19.808 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion: 73 Resp: 199383
 Ion Ratio Lower Upper
 73 100
 43 19.5 15.1 22.7

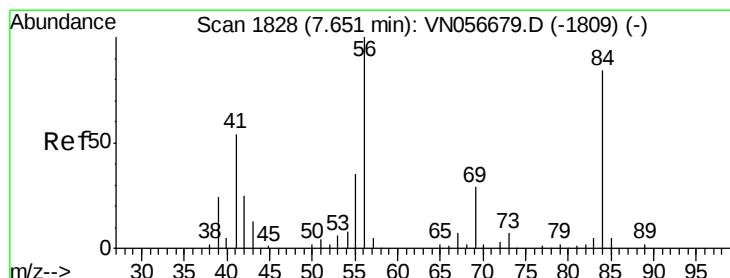
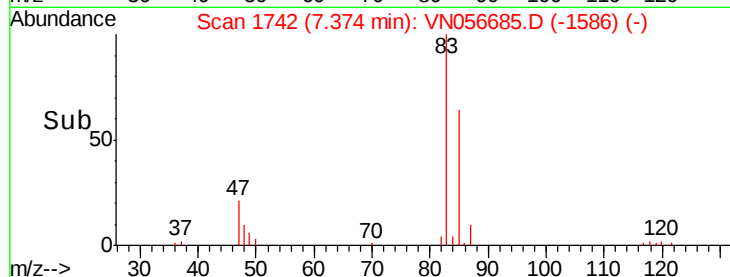
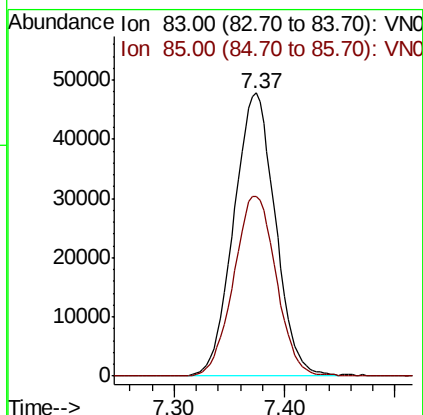
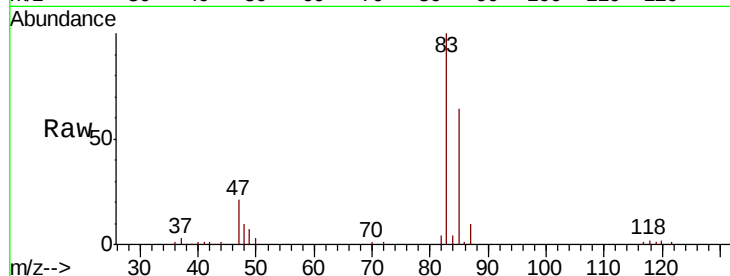




#25
Chloroform
Concen: 20.339 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

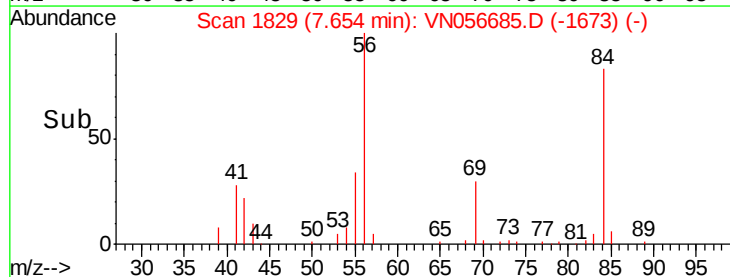
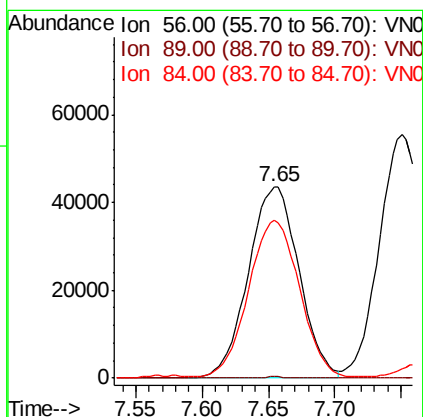
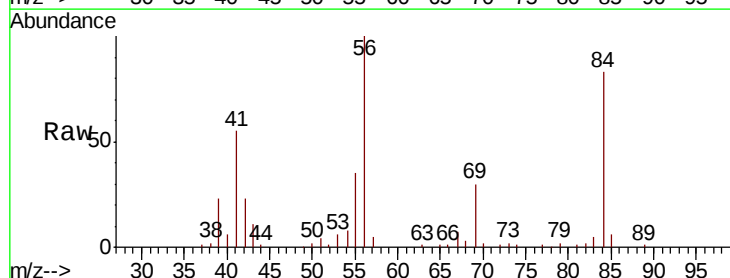
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

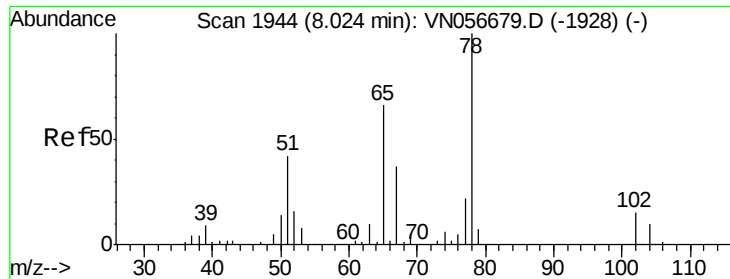
Tot Ion: 83 Resp: 124536
Ion Ratio Lower Upper
83 100
85 63.6 52.6 79.0



#26
Cyclohexane
Concen: 19.855 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion: 56 Resp: 115992
Ion Ratio Lower Upper
56 100
89 0.2 1.4 2.2#
84 82.2 68.2 102.4

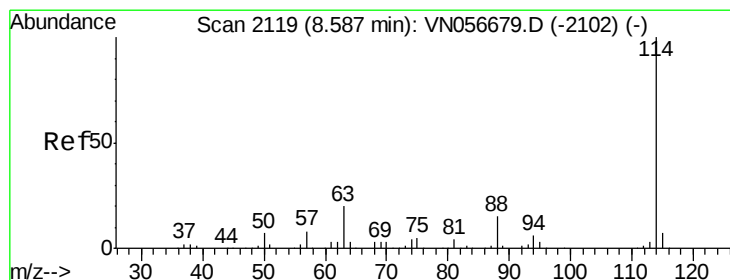
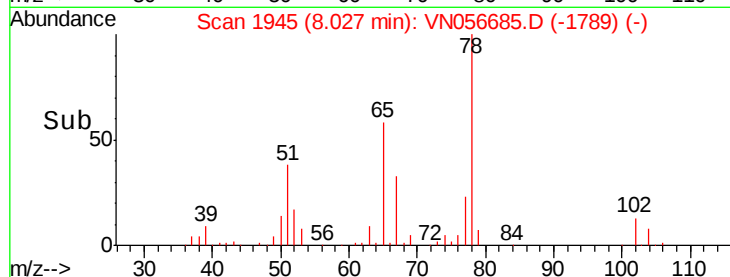
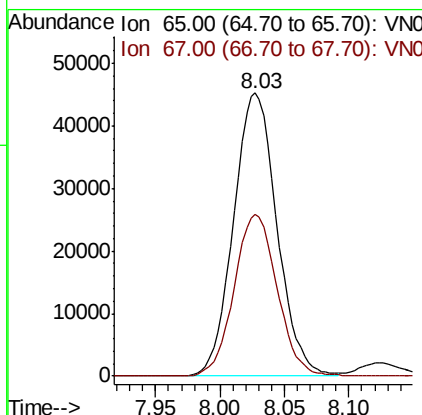
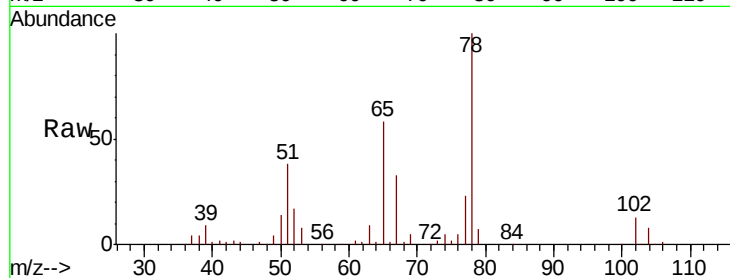




#27
 1,2-Dichloroethane-d4
 Concen: 29.260 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

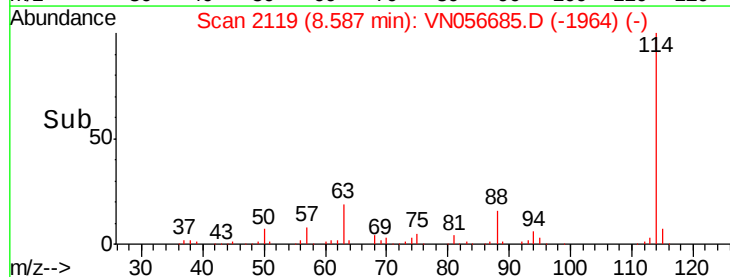
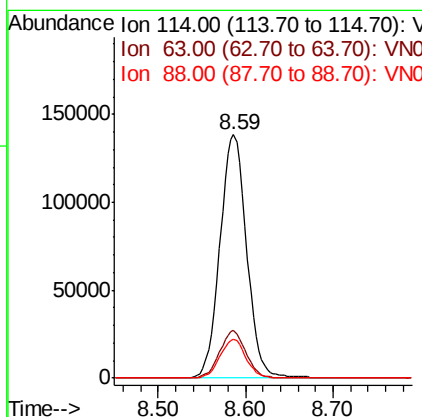
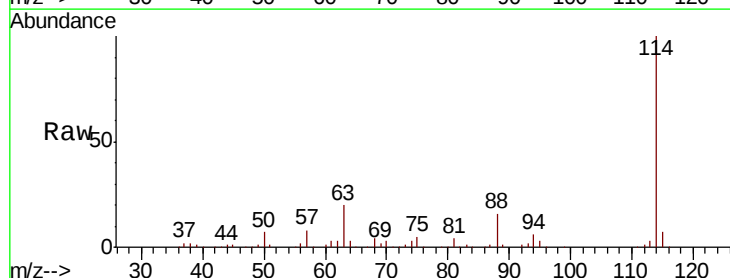
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

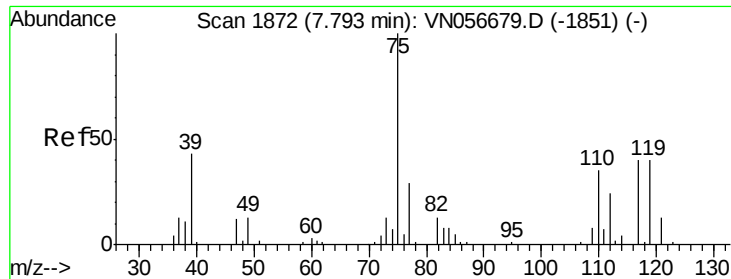
Tot Ion: 65 Resp: 106053
 Ion Ratio Lower Upper
 65 100
 67 56.6 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion: 114 Resp: 293821
 Ion Ratio Lower Upper
 114 100
 63 19.2 16.2 24.2
 88 15.5 12.3 18.5

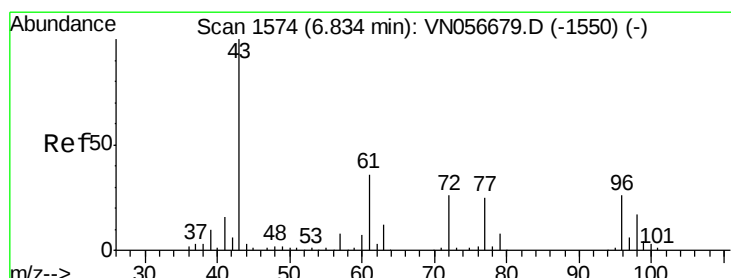
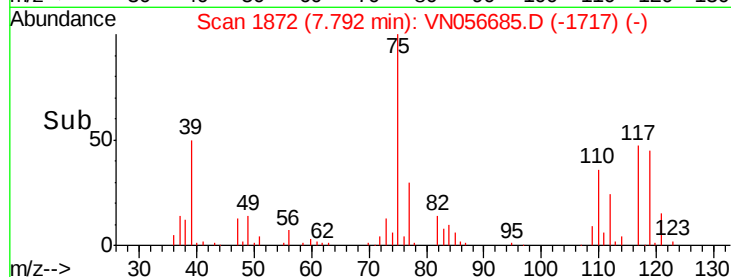
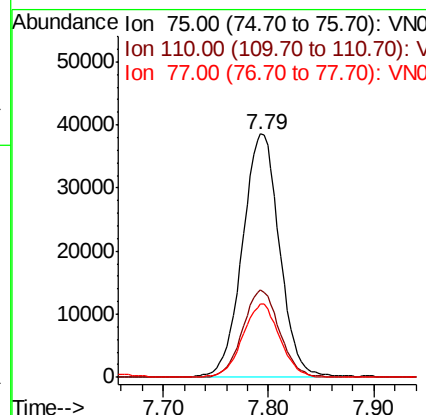
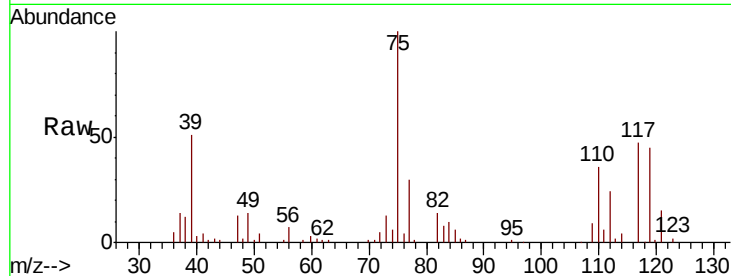




#29
 1,1-Dichloropropene
 Concen: 20.191 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

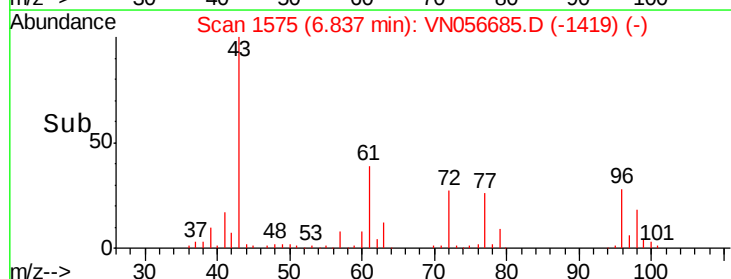
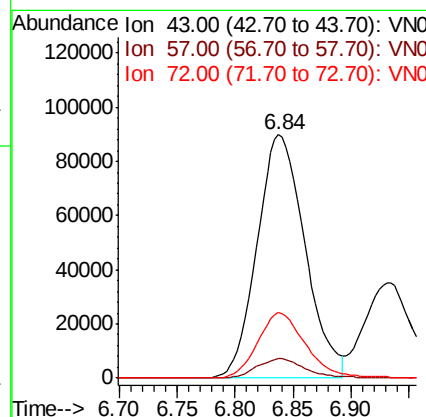
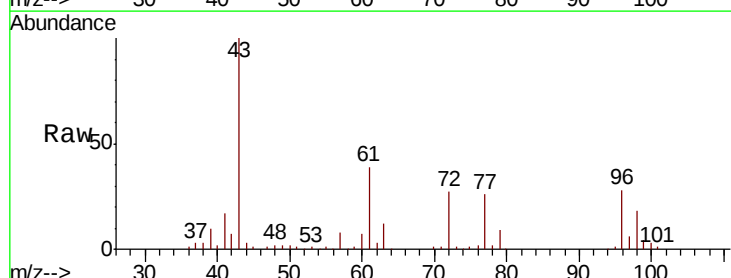
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

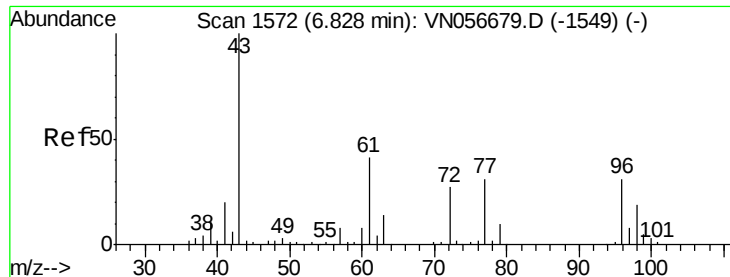
Tot Ion: 75 Resp: 94302
 Ion Ratio Lower Upper
 75 100
 110 35.5 0.0 72.4
 77 30.2 0.0 62.2



#30
 2-Butanone
 Concen: 95.051 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion: 43 Resp: 257028
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.6 10.0
 72 27.2 21.3 31.9





#31

2,2-Dichloropropane

Concen: 19.642 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

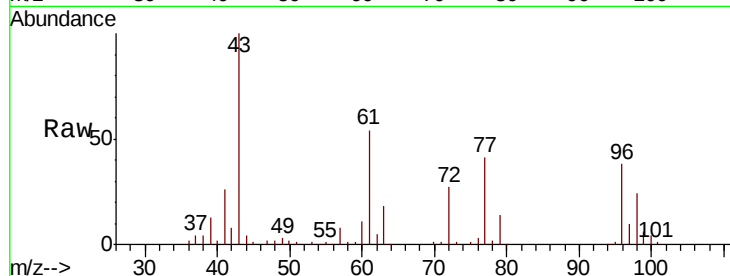
ICVVN071319

Tot Ion: 77 Resp: 88786

Ion Ratio Lower Upper

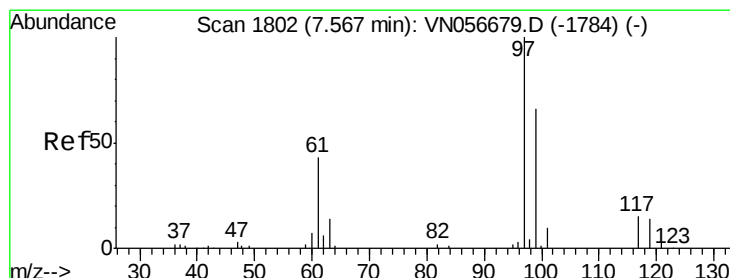
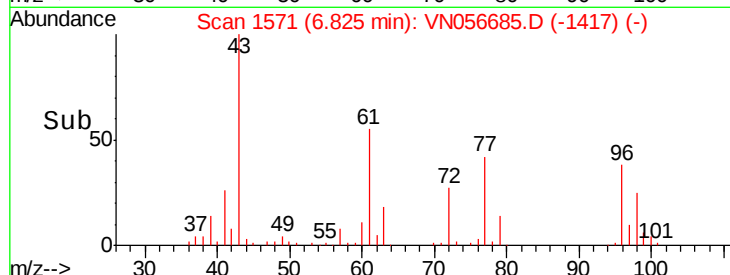
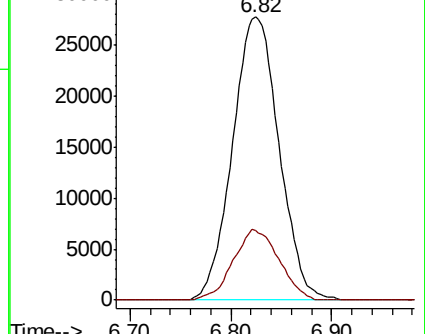
77 100

97 24.5 19.7 29.5



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.998 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

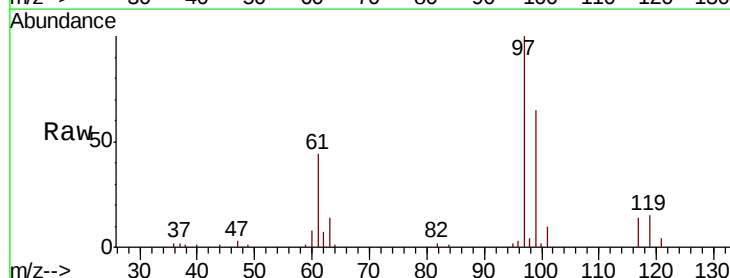
Tgt Ion: 97 Resp: 99559

Ion Ratio Lower Upper

97 100

99 65.4 52.0 78.0

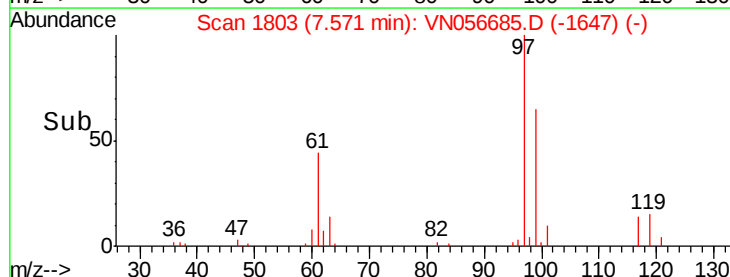
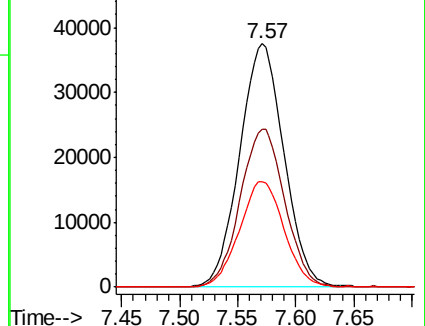
61 43.7 34.4 51.6

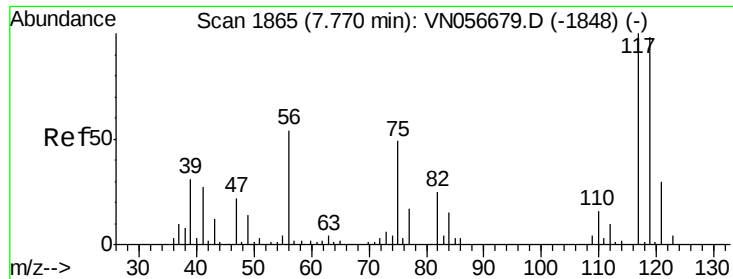


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

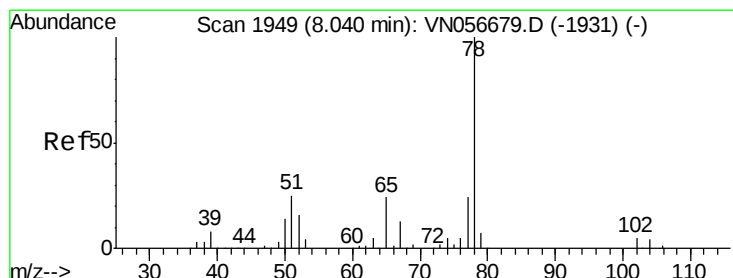
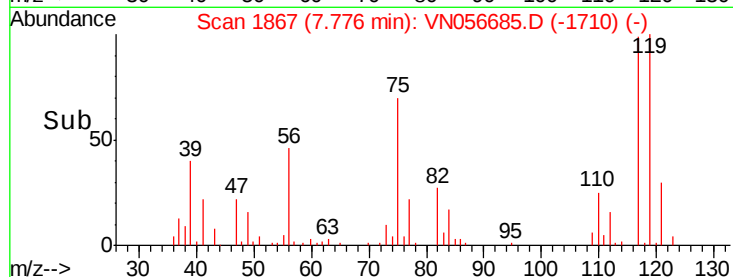
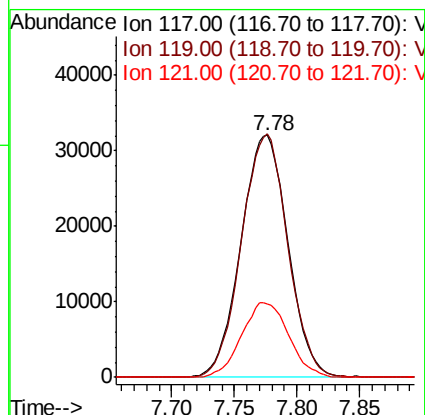
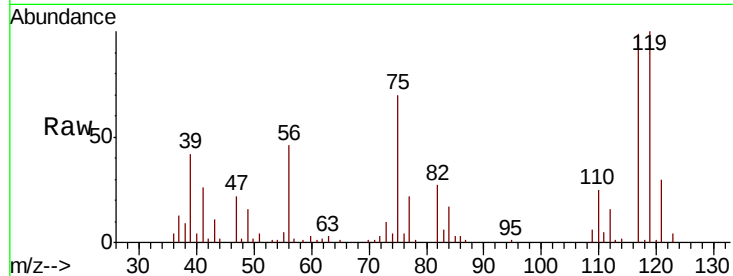




#33
Carbon Tetrachloride
Concen: 19.470 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

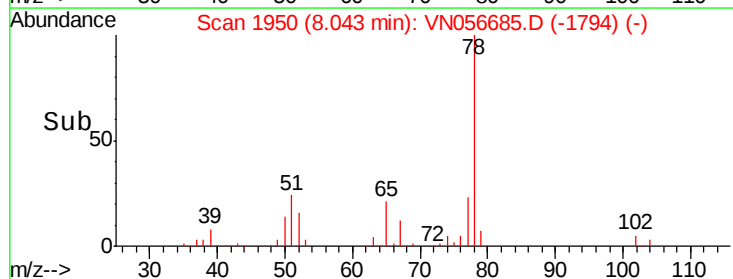
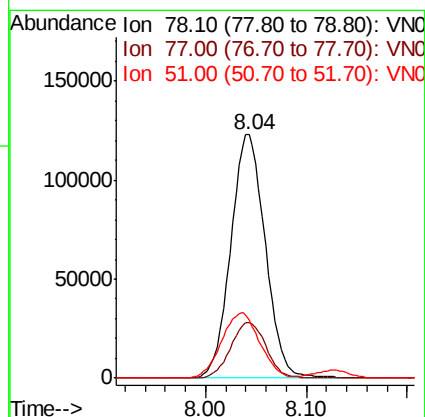
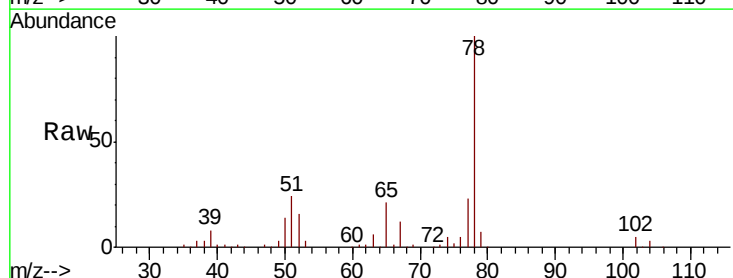
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

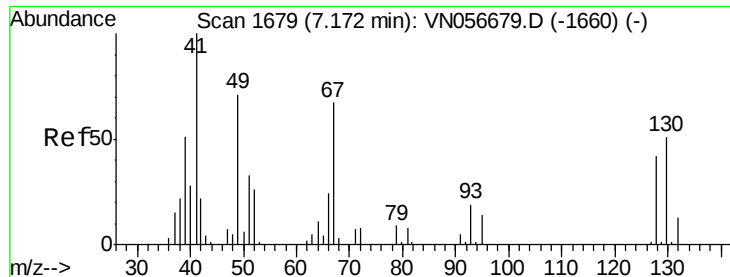
Tot Ion:117 Resp: 83412
Ion Ratio Lower Upper
117 100
119 100.6 78.7 118.1
121 30.5 24.0 36.0



#34
Benzene
Concen: 20.353 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion: 78 Resp: 292072
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4
51 23.8 19.7 29.5

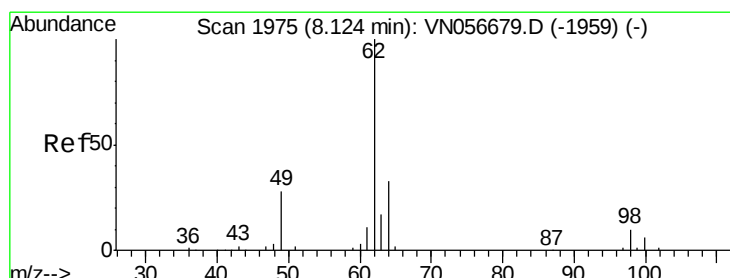
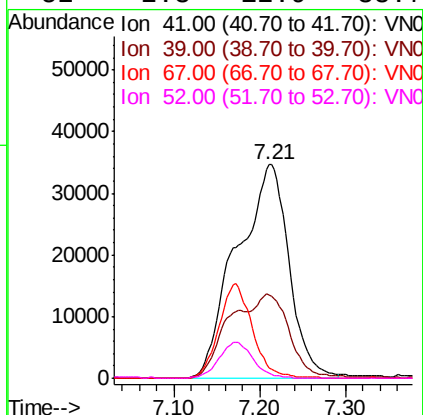
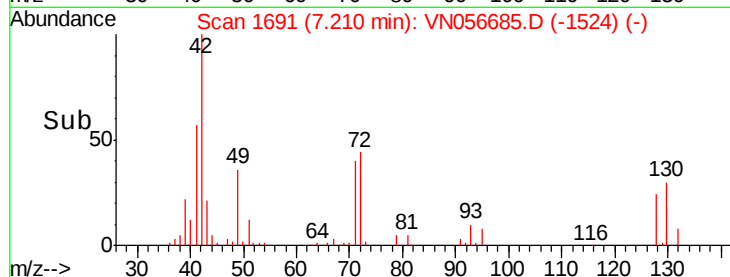
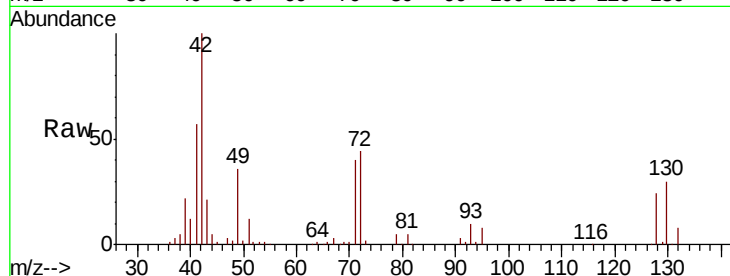




#35
Methacrylonitrile
Concen: 70.851 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

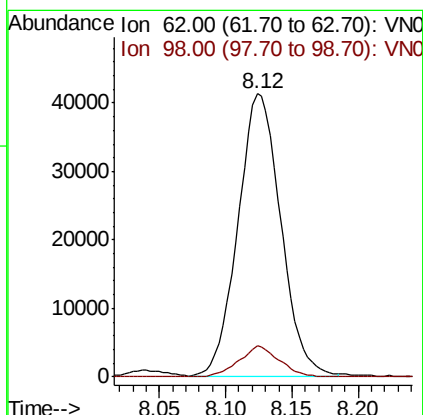
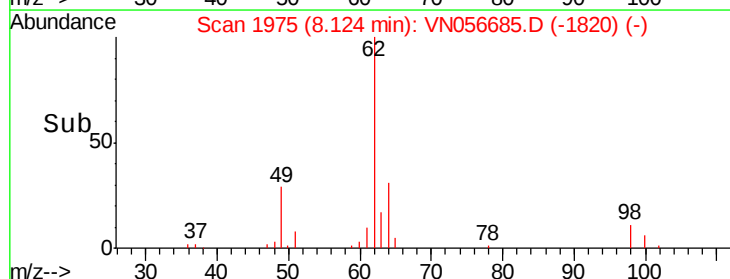
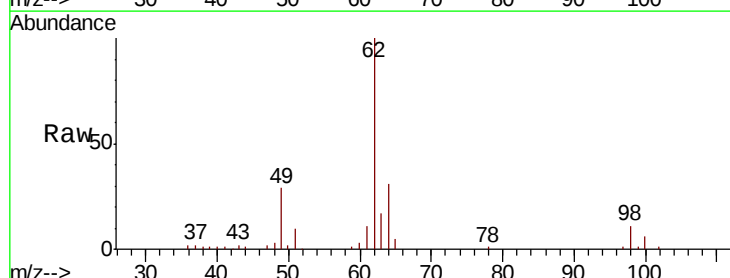
Instrument :
MSVOA_N
ClientSampled :
ICVVN071319

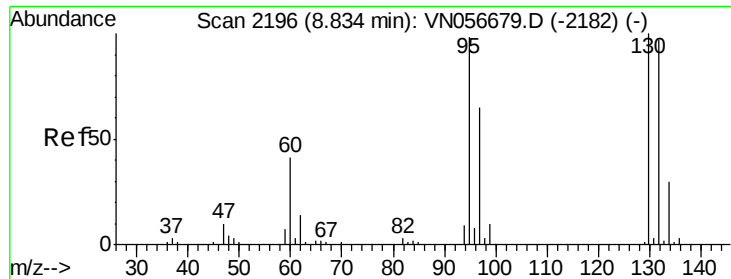
Tot Ion: 41 Resp: 146364
Ion Ratio Lower Upper
41 100
39 39.1 25.4 76.2
67 4.9 33.6 100.8#
52 2.3 12.9 38.7#



#36
1,2-Dichloroethane
Concen: 20.257 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion: 62 Resp: 93382
Ion Ratio Lower Upper
62 100
98 10.1 7.7 11.5

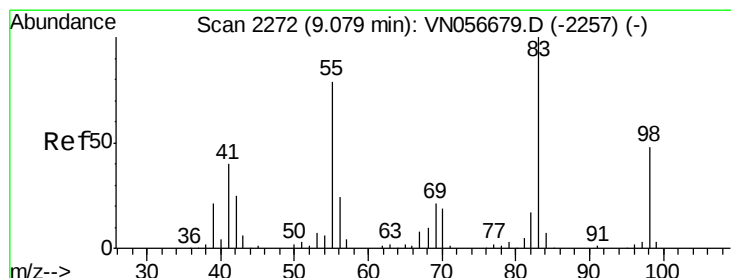
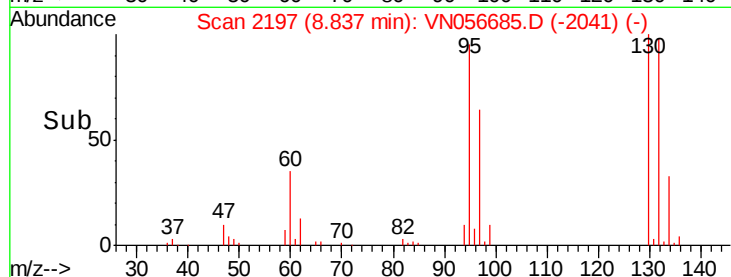
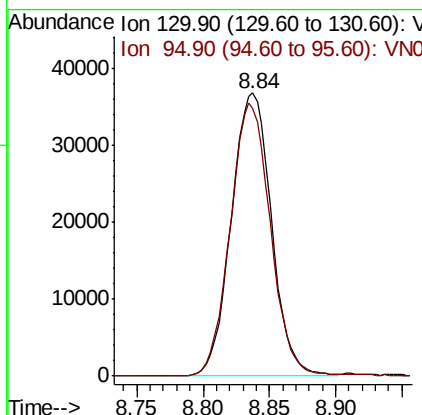
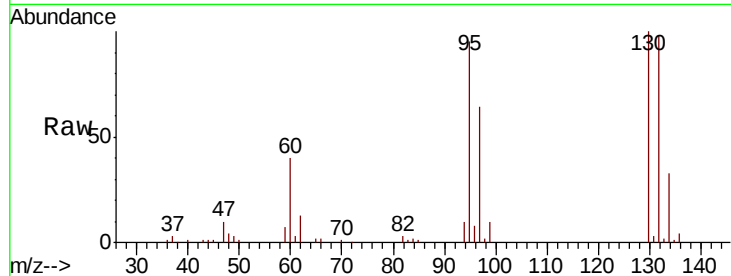




#37
 Trichloroethene
 Concen: 19.895 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

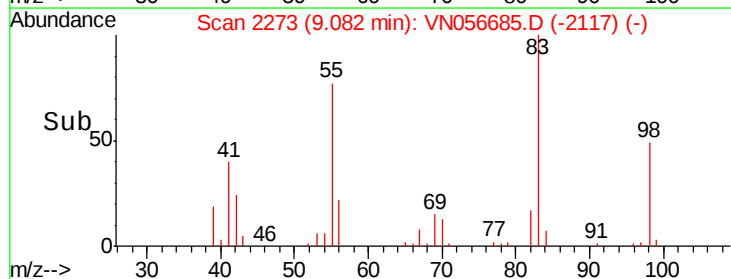
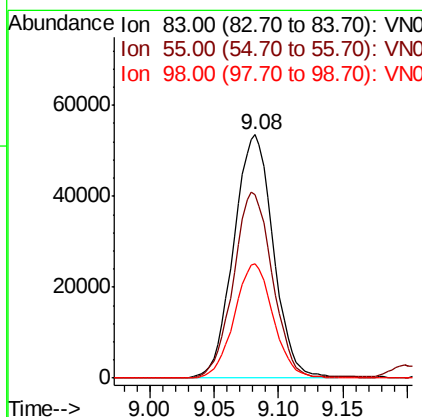
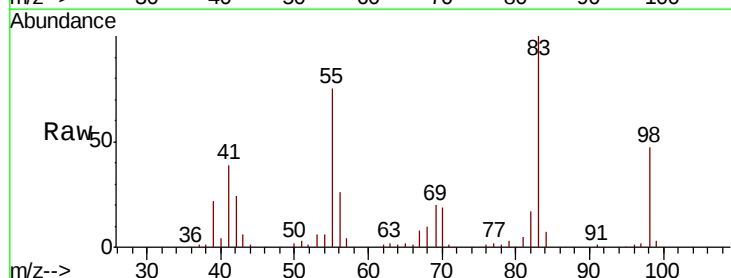
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

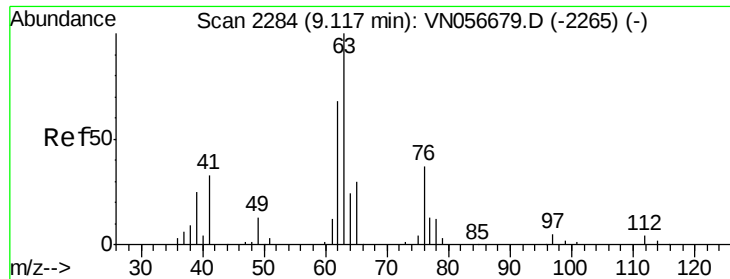
Tot Ion:130 Resp: 77537
 Ion Ratio Lower Upper
 130 100
 95 94.9 78.4 117.6



#38
 Methylcyclohexane
 Concen: 19.372 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion: 83 Resp: 114301
 Ion Ratio Lower Upper
 83 100
 55 75.3 38.4 115.2
 98 46.2 23.3 69.9

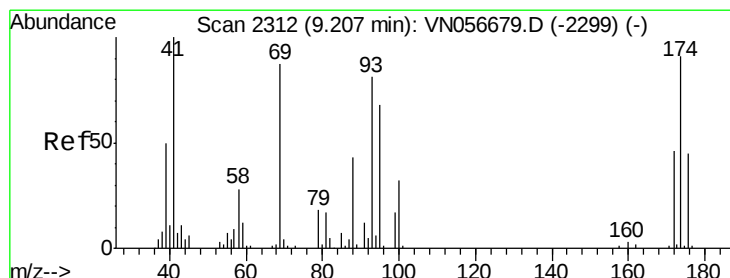
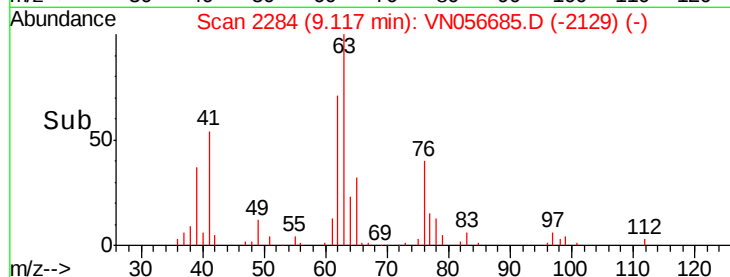
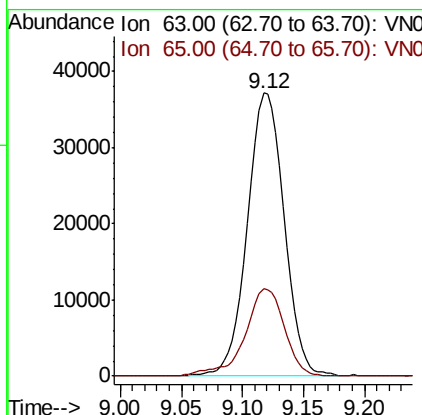
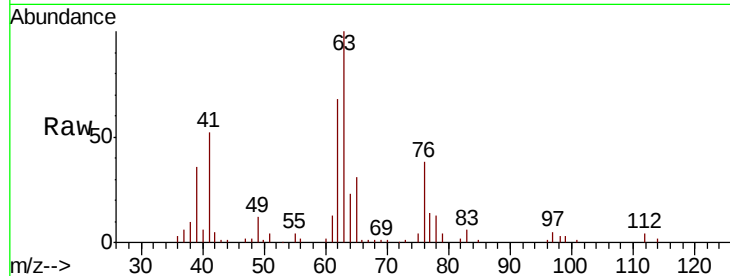




#39
 1,2-Dichloropropane
 Concen: 20.151 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

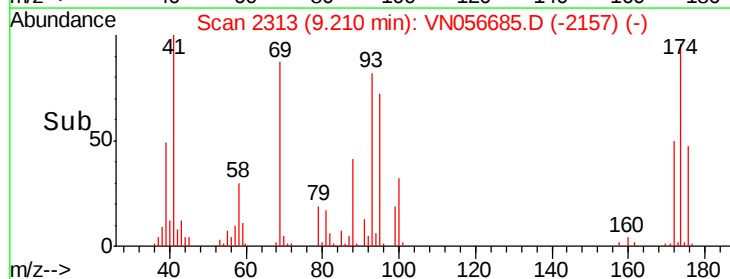
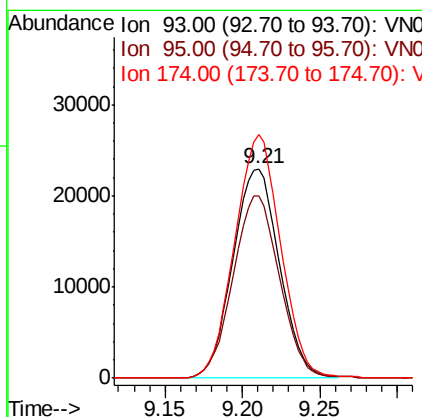
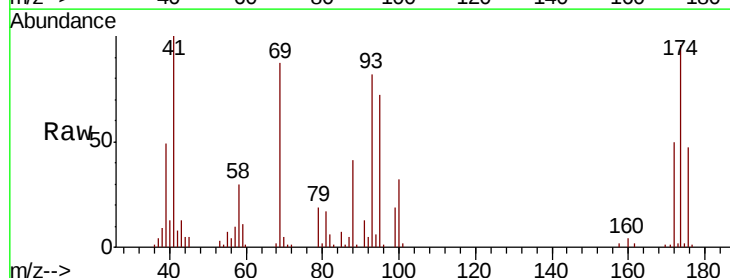
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

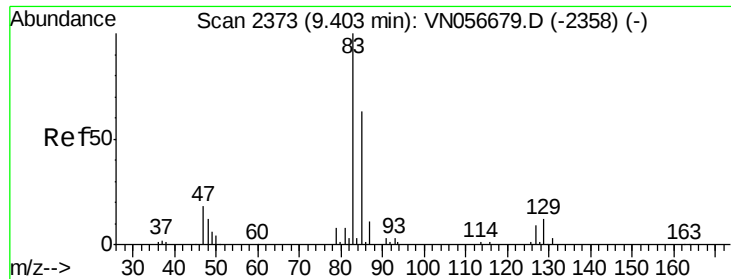
Tot Ion: 63 Resp: 77618
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 36.8



#40
 Dibromomethane
 Concen: 19.635 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion: 93 Resp: 48174
 Ion Ratio Lower Upper
 93 100
 95 86.7 0.0 167.0
 174 114.6 0.0 224.2





#41

Bromodichloromethane

Concen: 19.786 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

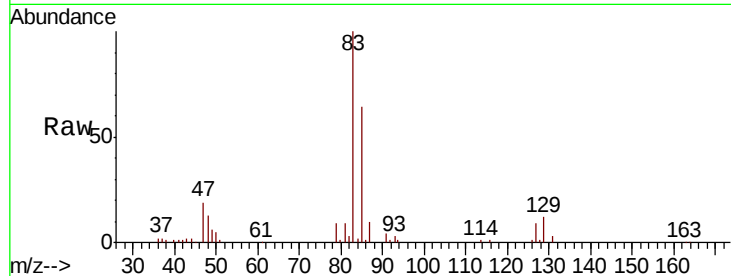
Tot Ion: 83 Resp: 89467

Ion Ratio Lower Upper

83 100

85 64.1 50.1 75.1

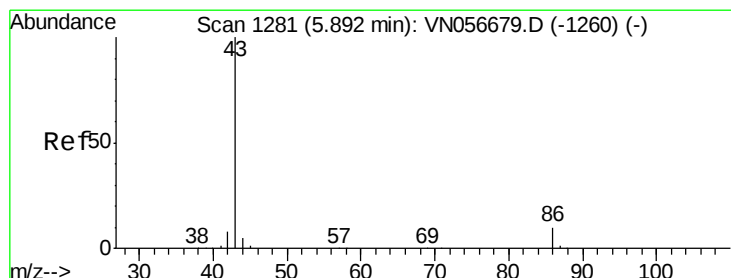
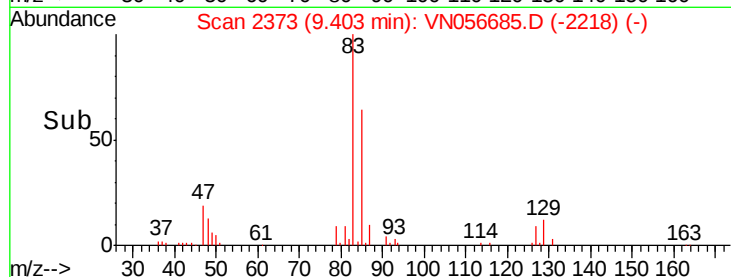
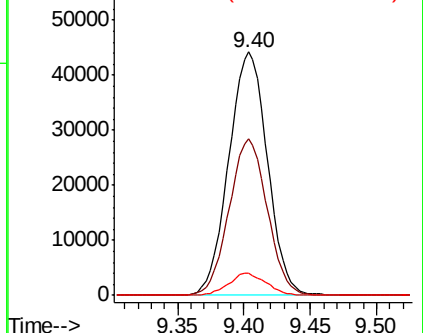
127 9.2 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN056679.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN056679.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN056679.D (-2358) (-)



#42

Vinyl Acetate

Concen: 101.766 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056685.D

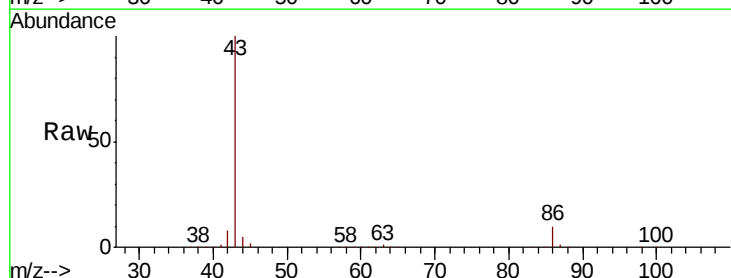
Acq: 12 Jul 2019 12:53

Tgt Ion: 43 Resp: 915866

Ion Ratio Lower Upper

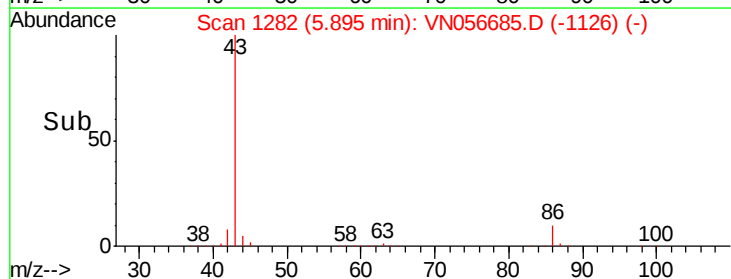
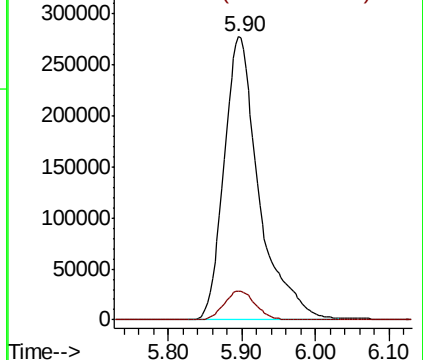
43 100

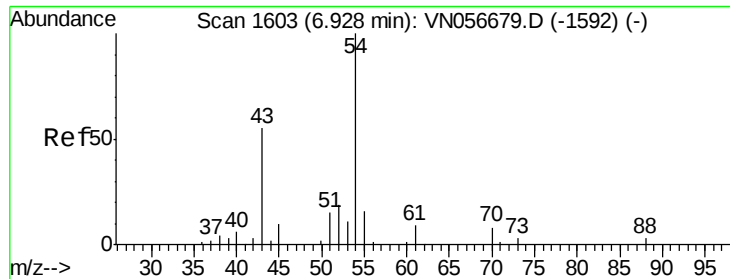
86 9.2 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN056679.D (-1260) (-)

Ion 86.00 (85.70 to 86.70): VN056679.D (-1260) (-)





#43

Ethyl Acetate

Concen: 20.055 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

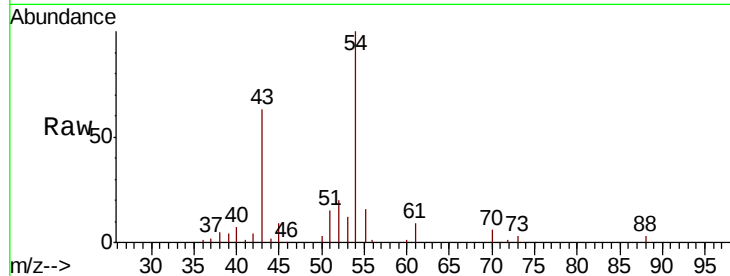
ICVVN071319

Tot Ion: 43 Resp: 97999

Ion Ratio Lower Upper

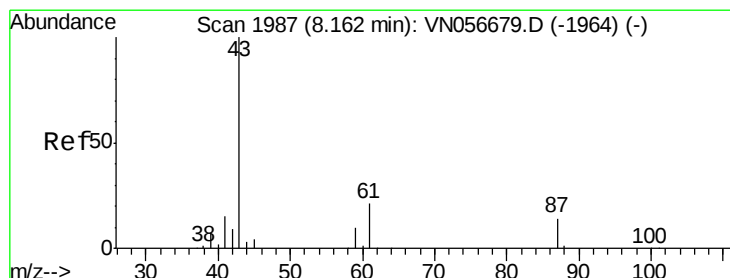
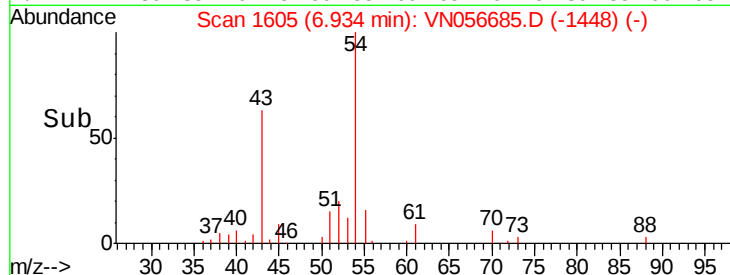
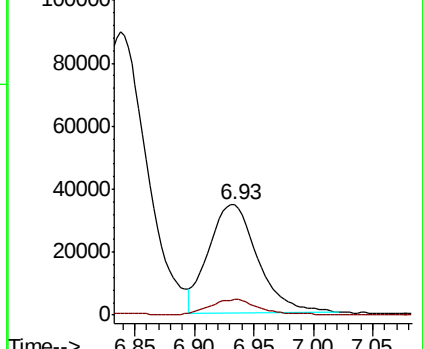
43 100

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: 19.829 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056685.D

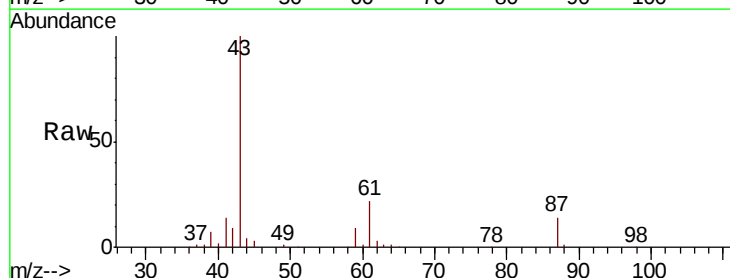
Acq: 12 Jul 2019 12:53

Tgt Ion: 43 Resp: 151129

Ion Ratio Lower Upper

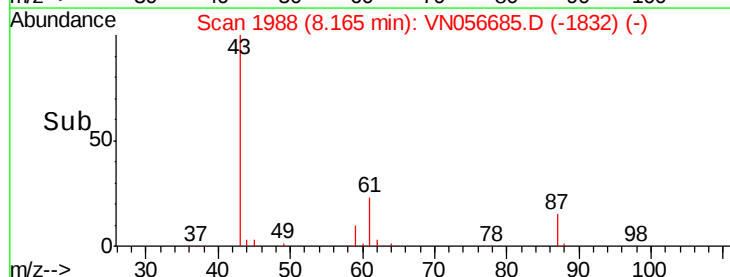
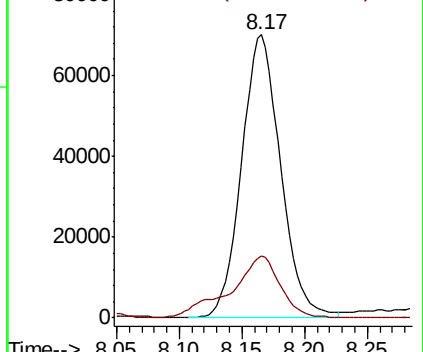
43 100

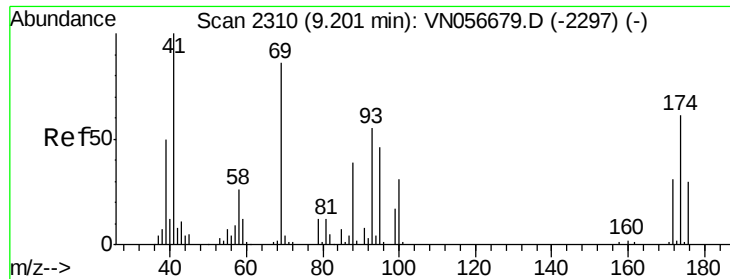
61 28.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 420.100 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

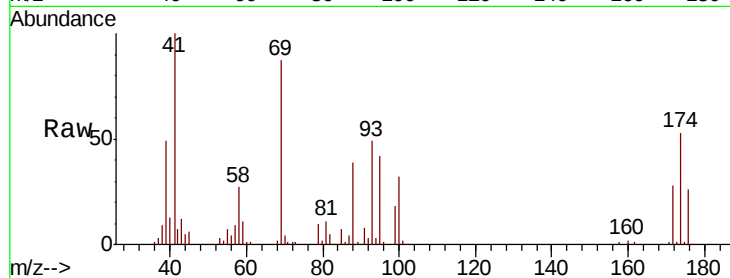
Tot Ion: 88 Resp: 32392

Ion Ratio Lower Upper

88 100

43 28.4 23.0 34.6

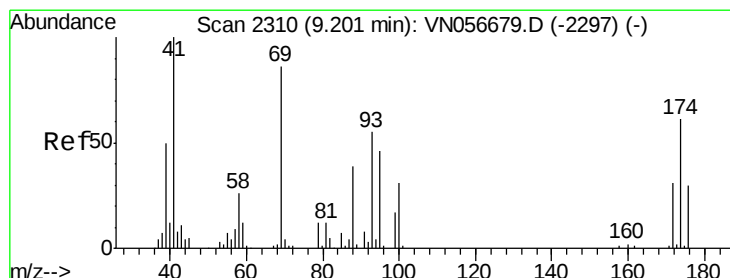
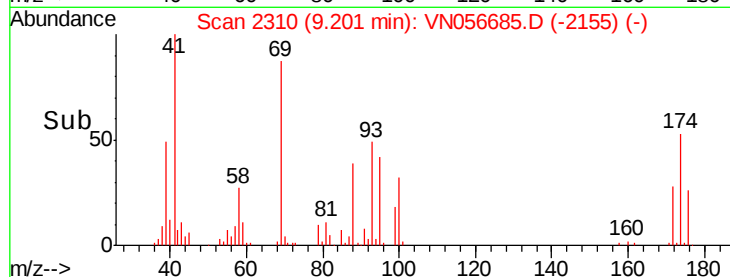
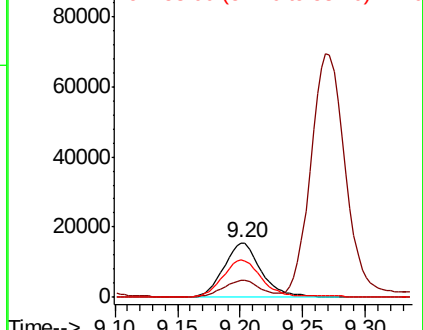
58 69.3 54.6 81.8



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: 20.084 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

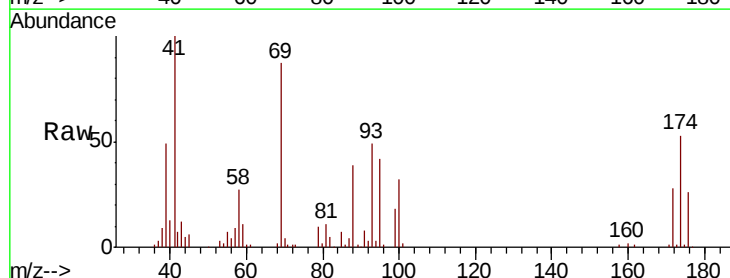
Tgt Ion: 41 Resp: 73537

Ion Ratio Lower Upper

41 100

69 87.5 43.0 129.0

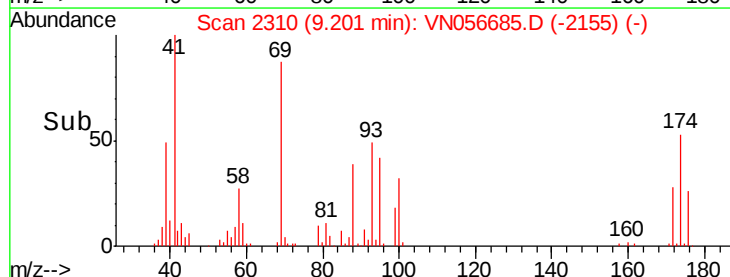
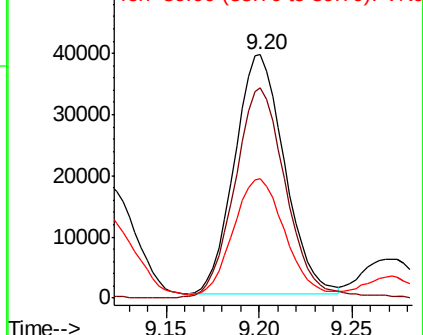
39 48.5 25.1 75.4

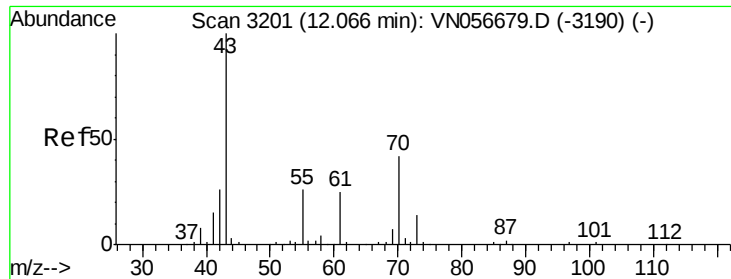


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 18.972 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

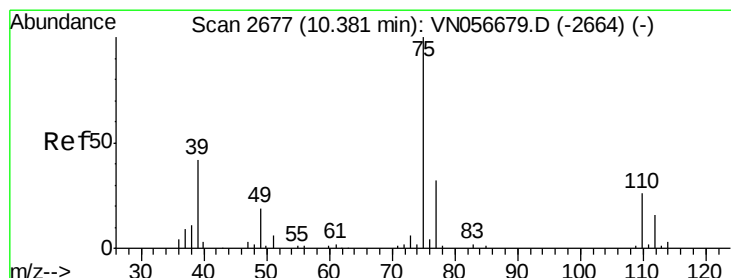
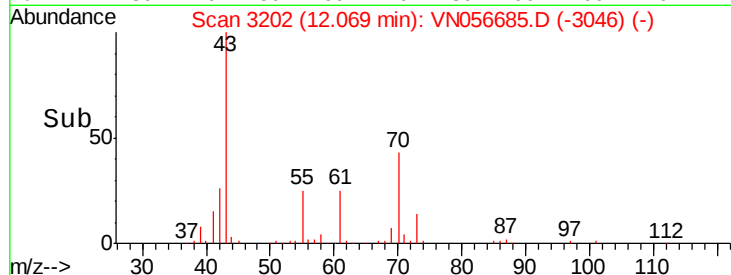
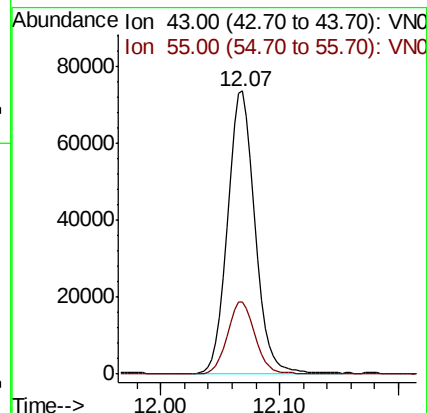
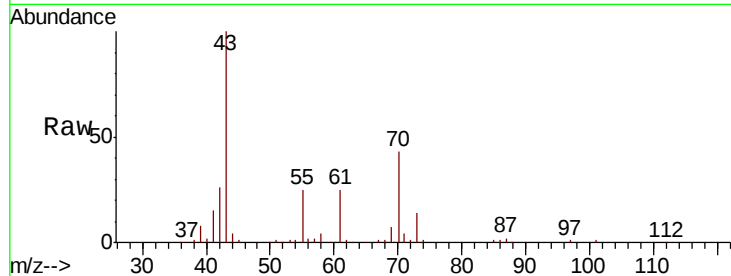
ICVVN071319

Tot Ion: 43 Resp: 118253

Ion Ratio Lower Upper

43 100

55 25.8 20.7 31.1



#48

t-1,3-Dichloropropene

Concen: 19.091 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056685.D

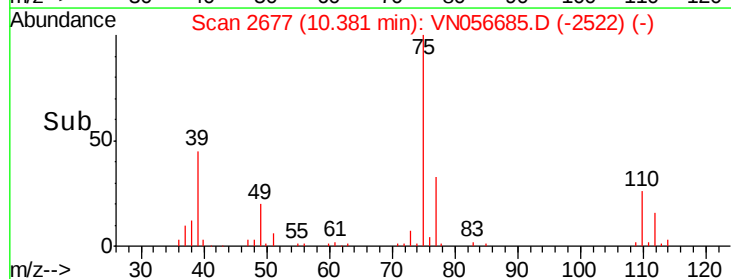
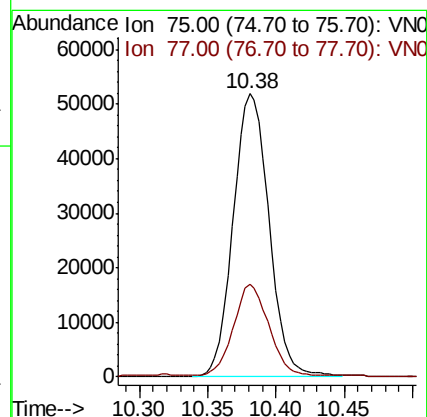
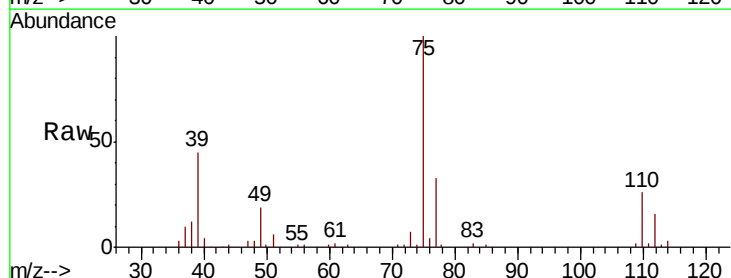
Acq: 12 Jul 2019 12:53

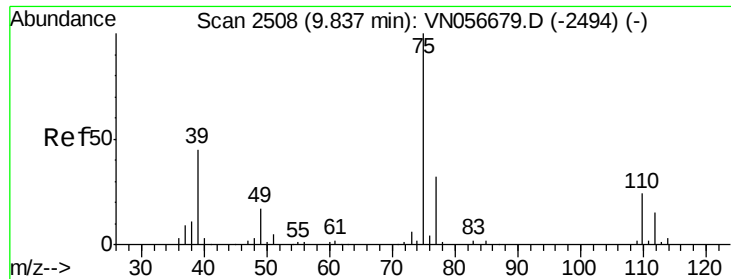
Tgt Ion: 75 Resp: 94953

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



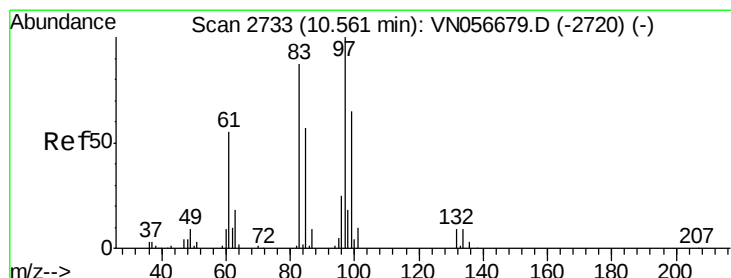
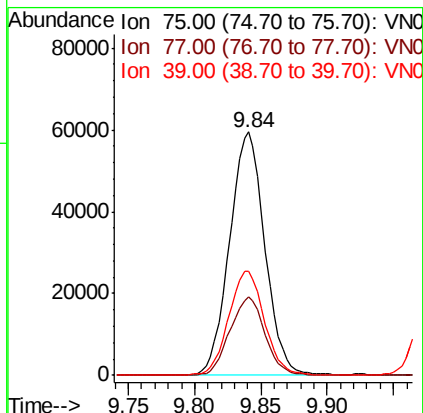
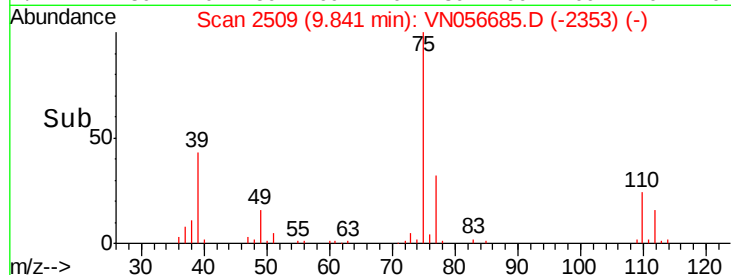
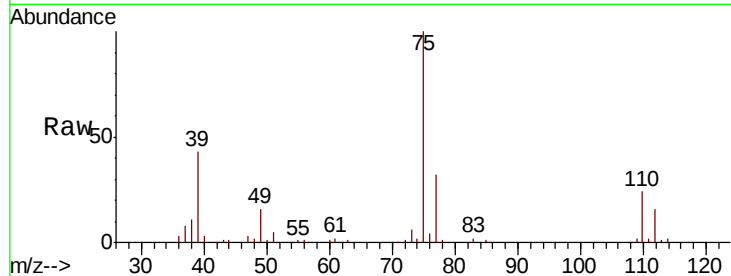


#49

cis-1,3-Dichloropropene
 Concen: 19.611 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

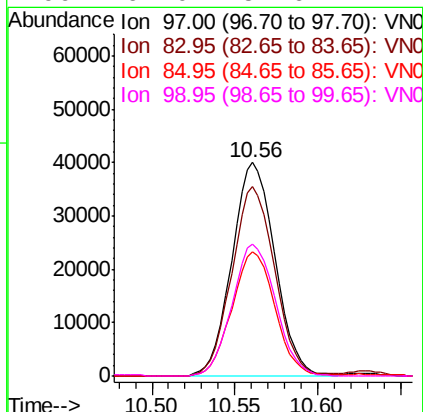
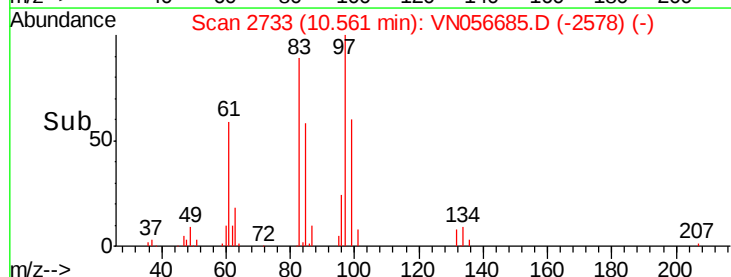
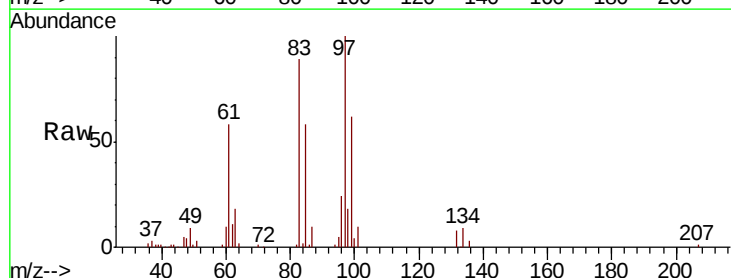
Tot Ion: 75 Resp: 110034
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.0 39.0
 39 43.0 36.2 54.4

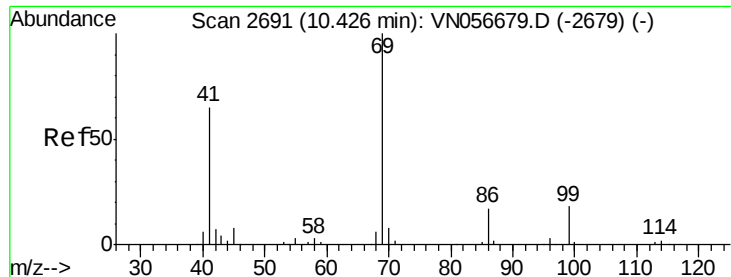


#50

1,1,2-Trichloroethane
 Concen: 20.225 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion: 97 Resp: 72293
 Ion Ratio Lower Upper
 97 100
 83 88.9 69.2 103.8
 85 58.2 45.3 67.9
 99 62.0 51.6 77.4





#51

Ethyl methacrylate

Concen: 19.973 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampled :

ICVVN071319

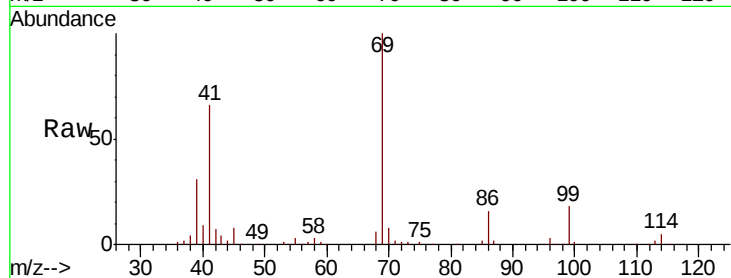
Tot Ion: 69 Resp: 109813

Ion Ratio Lower Upper

69 100

41 65.4 32.8 98.3

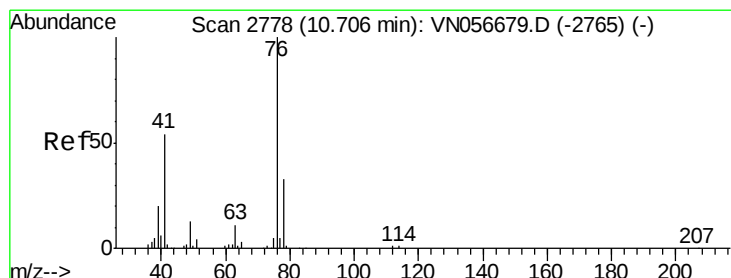
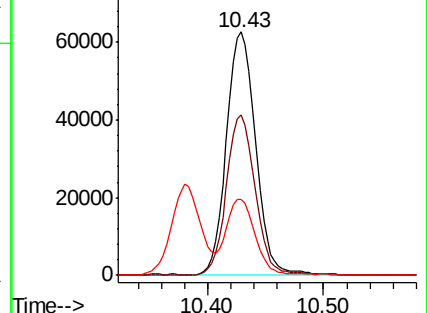
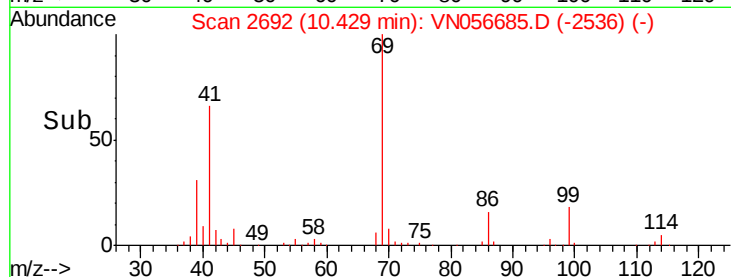
39 30.9 15.4 46.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.106 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056685.D

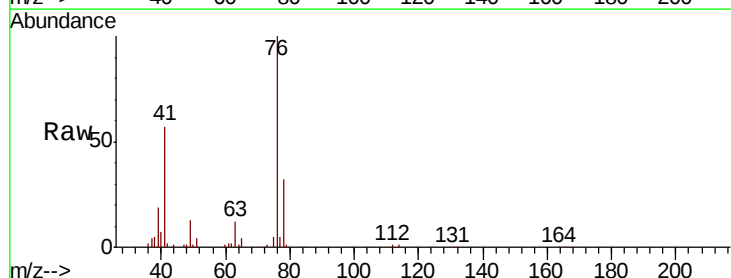
Acq: 12 Jul 2019 12:53

Tgt Ion: 76 Resp: 120248

Ion Ratio Lower Upper

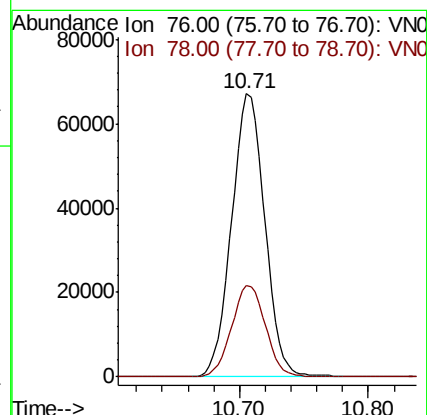
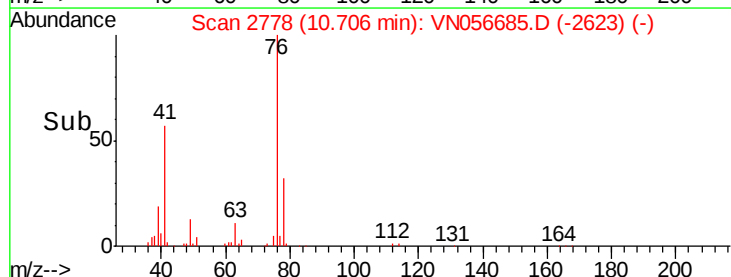
76 100

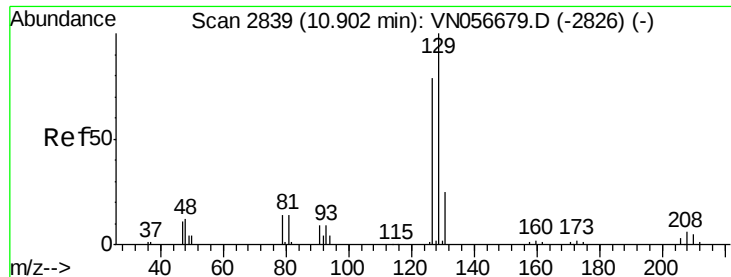
78 32.9 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

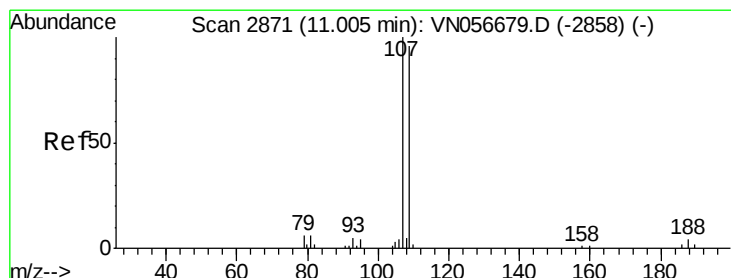
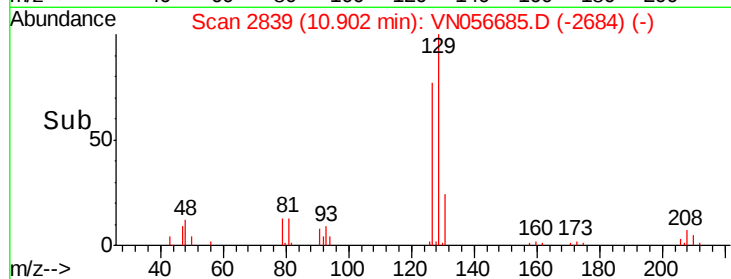
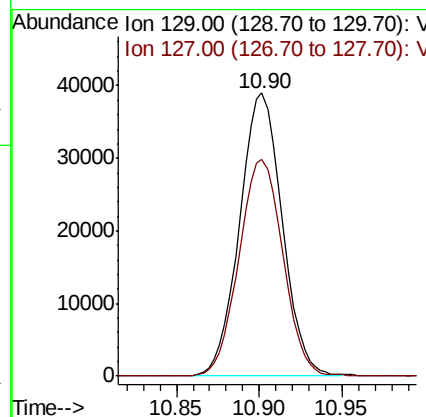
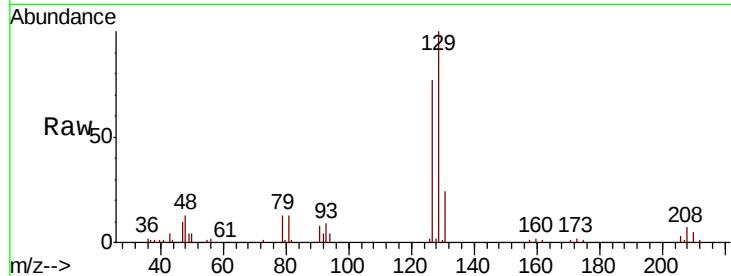




#53
 Dibromochloromethane
 Concen: 19.305 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

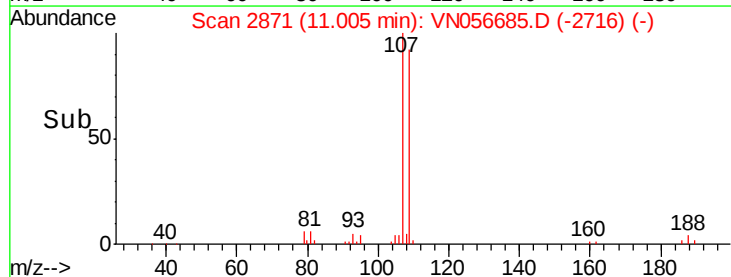
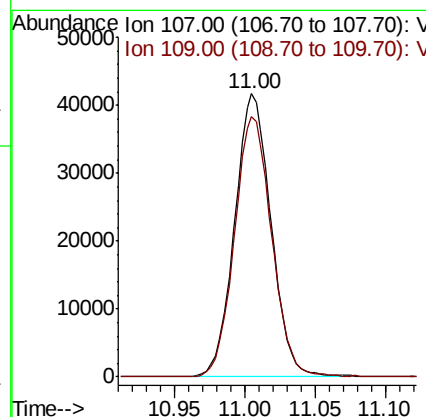
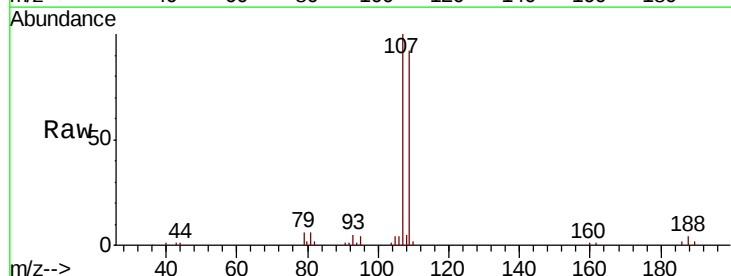
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

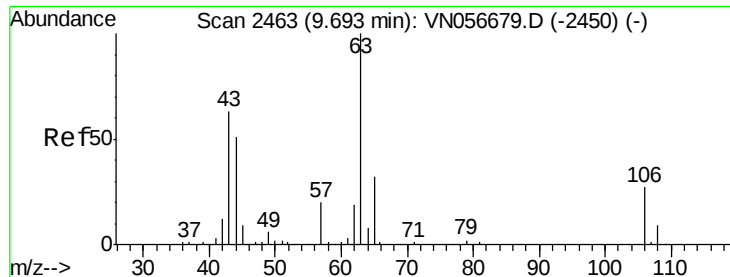
Tot Ion:129 Resp: 69741
 Ion Ratio Lower Upper
 129 100
 127 78.9 38.7 116.1



#54
 1,2-Dibromoethane
 Concen: 20.274 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion:107 Resp: 75317
 Ion Ratio Lower Upper
 107 100
 109 94.0 77.9 116.9

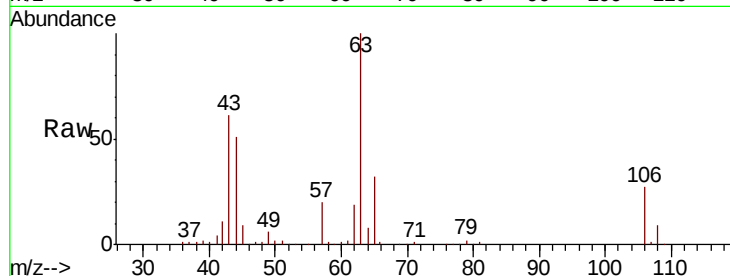




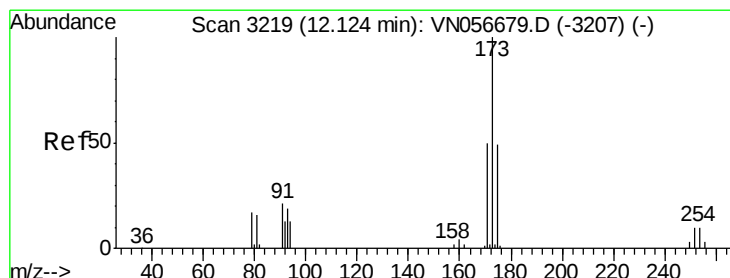
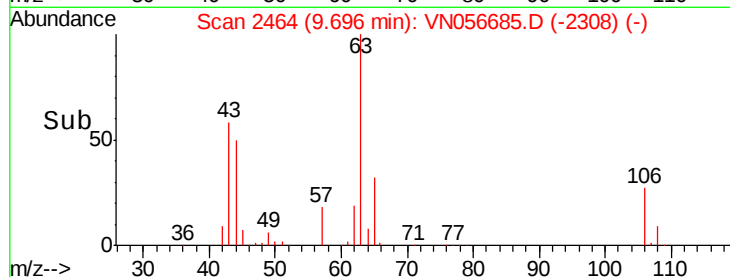
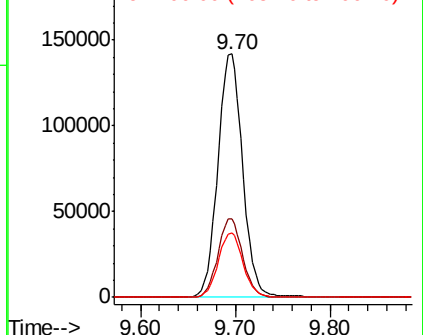
#55
2-Chloroethyl vinyl ether
Concen: 97.350 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion: 63 Resp: 258824
Ion Ratio Lower Upper
63 100
65 31.8 25.2 37.8
106 26.6 21.6 32.4

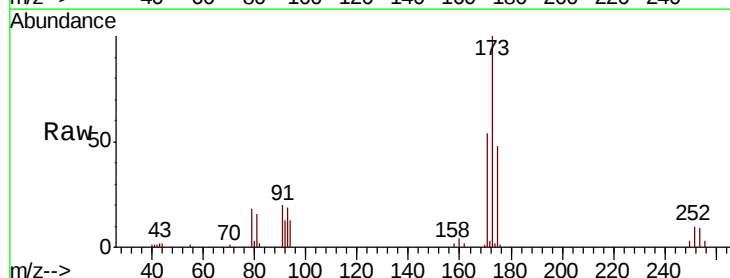


Abundance Ion 63.00 (62.70 to 63.70): VN056679.D (-2450) (-)
Ion 65.00 (64.70 to 65.70): VN056679.D (-2450) (-)
Ion 106.00 (105.70 to 106.70): VN056679.D (-2450) (-)

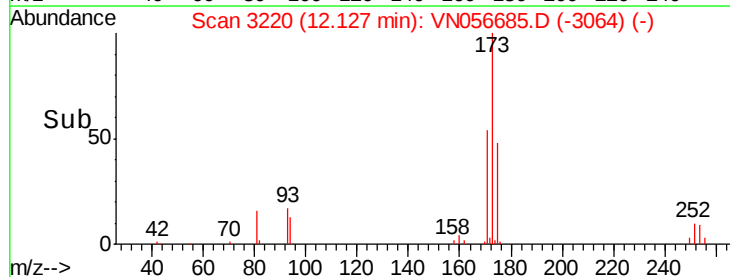
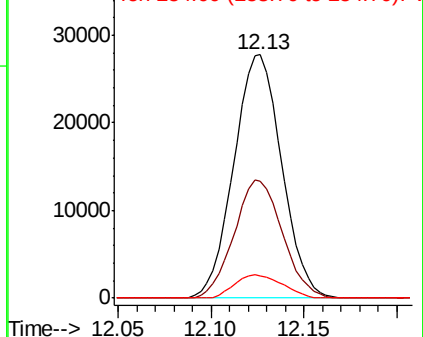


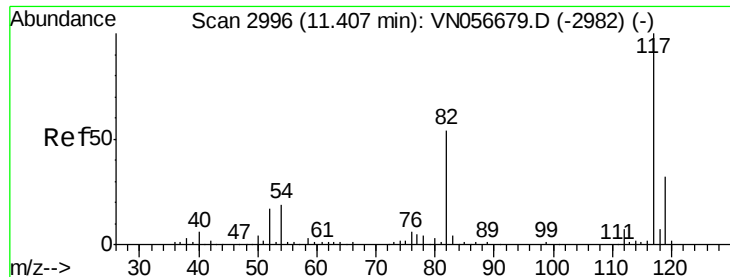
#56
Bromoform
Concen: 18.592 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion: 173 Resp: 49720
Ion Ratio Lower Upper
173 100
175 48.7 39.7 59.5
254 9.4 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): VN056679.D (-3207) (-)
Ion 175.00 (174.70 to 175.70): VN056679.D (-3207) (-)
Ion 254.00 (253.70 to 254.70): VN056679.D (-3207) (-)

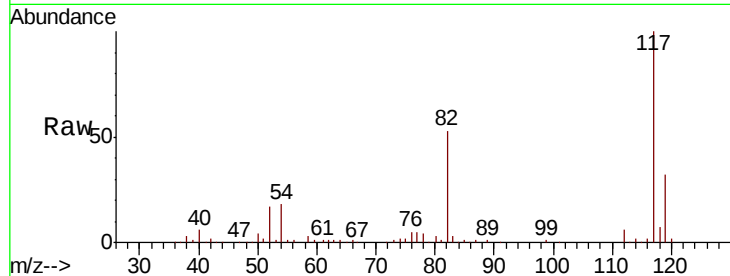




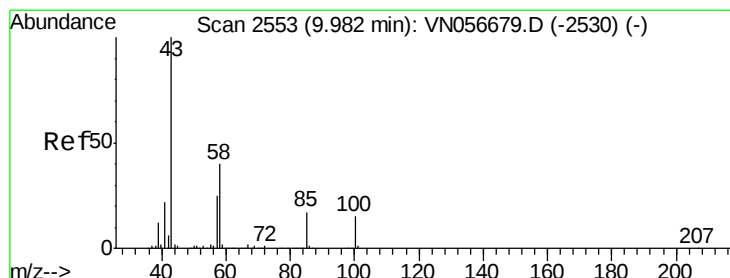
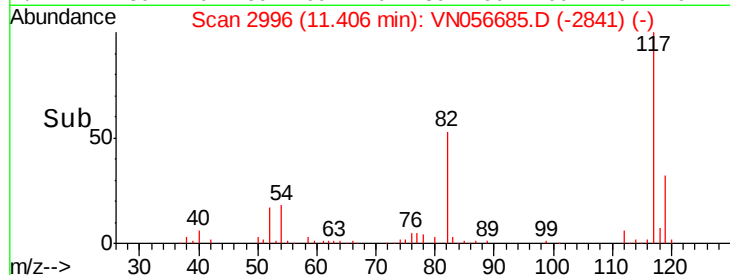
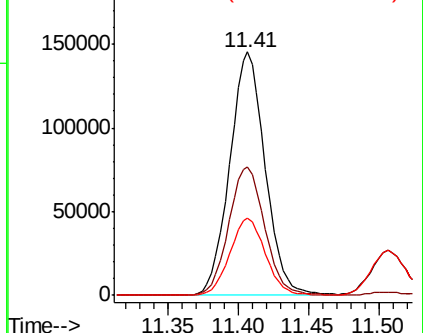
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion:117 Resp: 255694
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 31.8 26.0 39.0

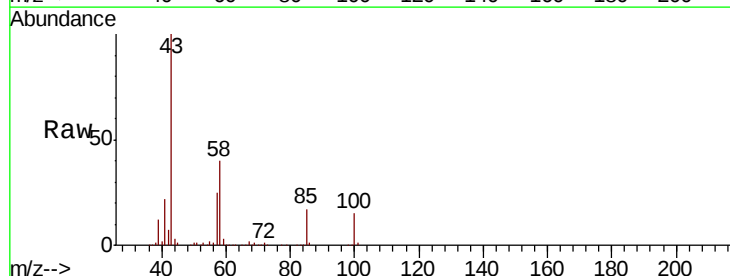


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

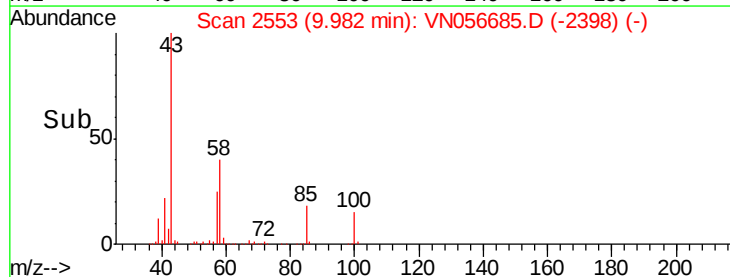
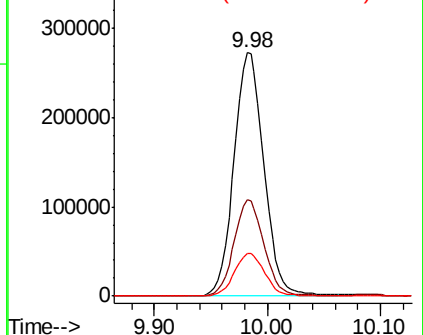


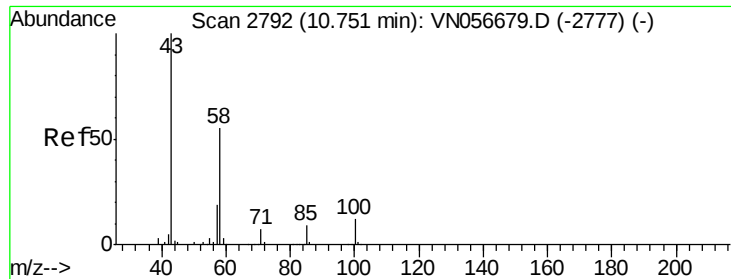
#58
4-Methyl-2-Pentanone
Concen: 104.537 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion: 43 Resp: 503091
Ion Ratio Lower Upper
43 100
58 39.7 31.9 47.9
85 17.8 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

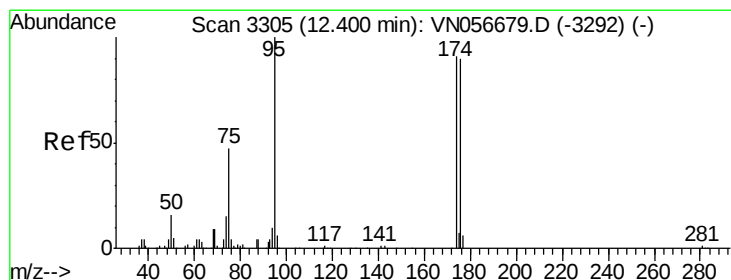
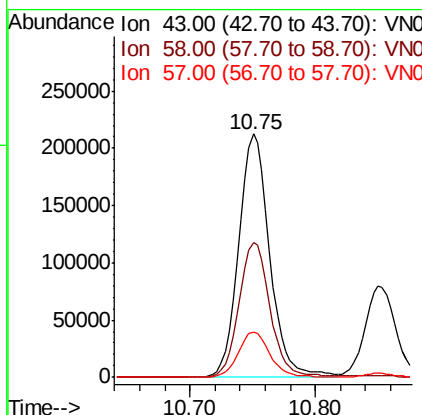
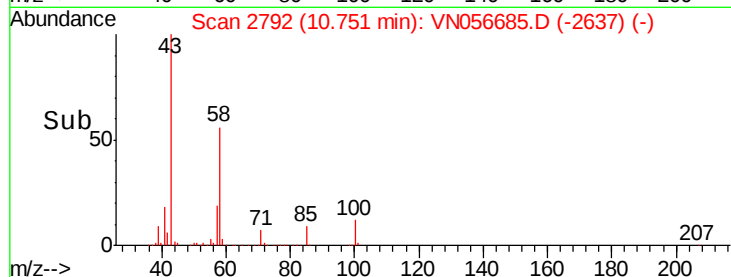
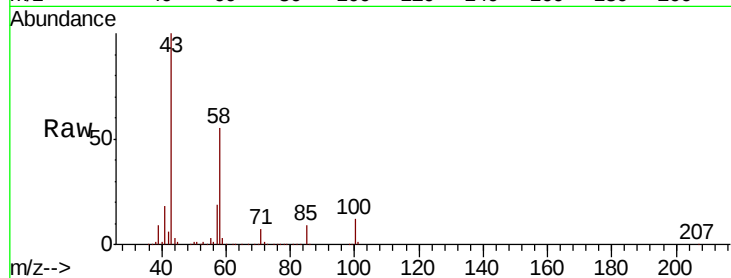




#59
2-Hexanone
Concen: 99.774 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

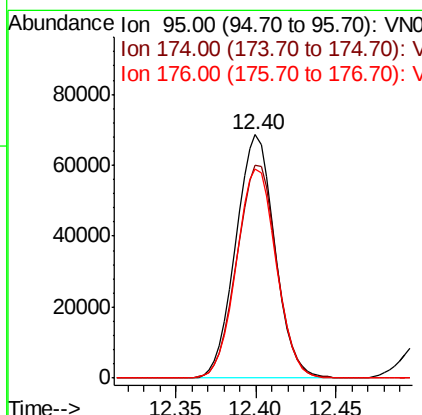
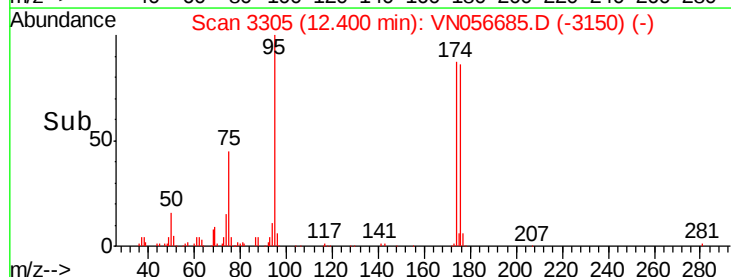
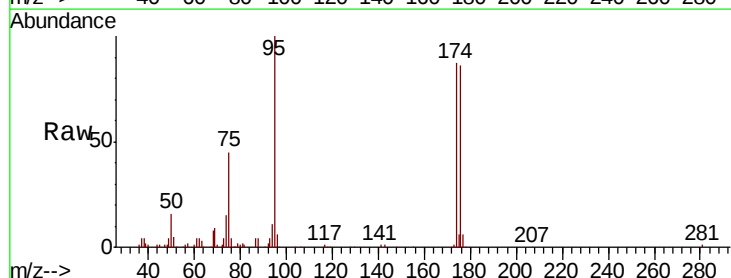
Instrument :
MSVOA_N
ClientSampled :
ICVVN071319

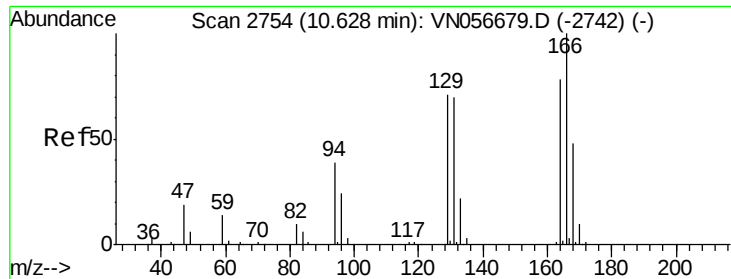
Tot Ion: 43 Resp: 364485
Ion Ratio Lower Upper
43 100
58 56.1 44.4 66.6
57 19.2 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.139 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion: 95 Resp: 114029
Ion Ratio Lower Upper
95 100
174 89.2 72.6 108.8
176 87.4 71.0 106.6





#61

Tetrachloroethene

Concen: 21.096 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

Tot Ion:164 Resp: 77508

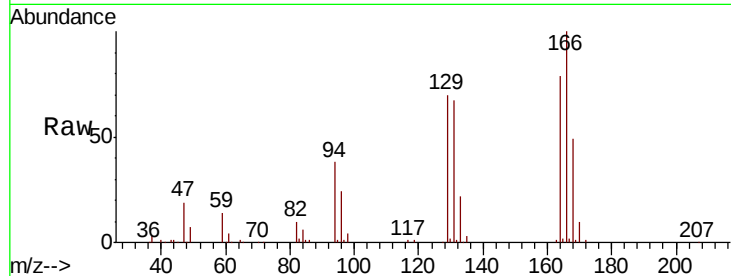
Ion Ratio Lower Upper

164 100

166 126.1 102.3 153.5

129 88.2 72.6 108.8

131 84.9 71.4 107.2

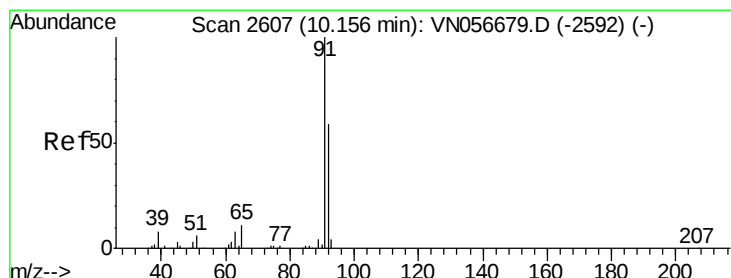
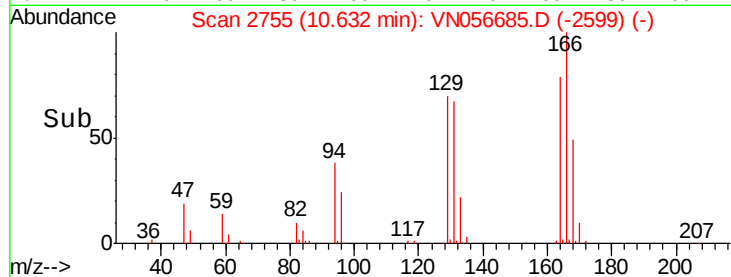
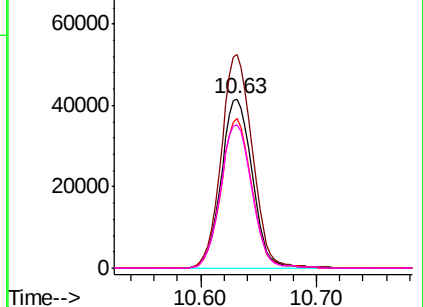


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.426 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056685.D

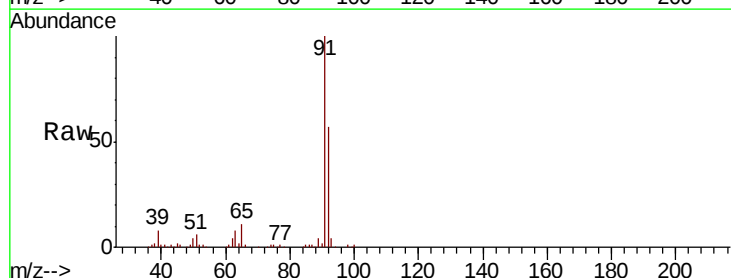
Acq: 12 Jul 2019 12:53

Tgt Ion: 91 Resp: 306762

Ion Ratio Lower Upper

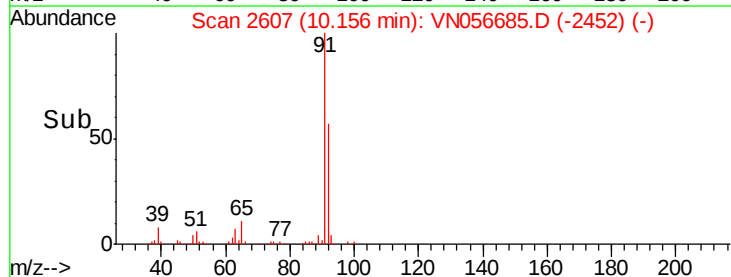
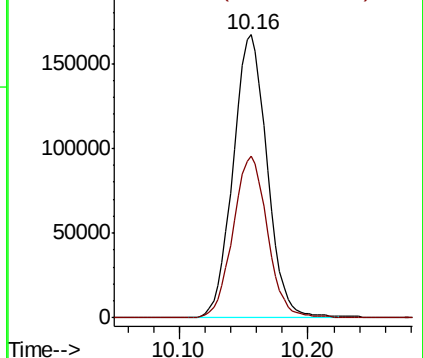
91 100

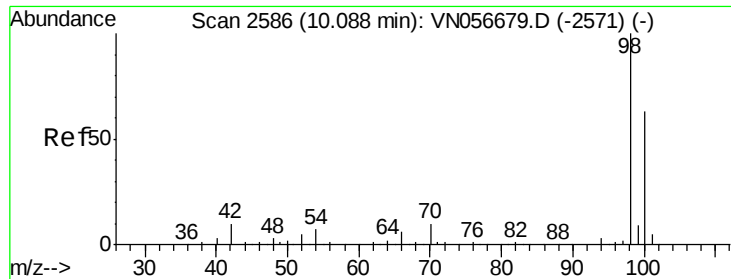
92 57.9 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.554 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

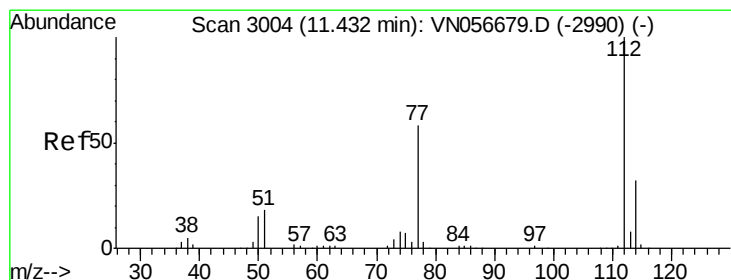
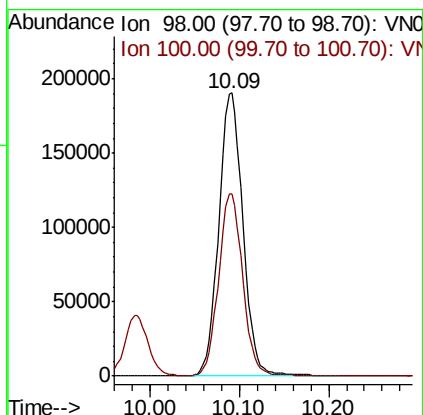
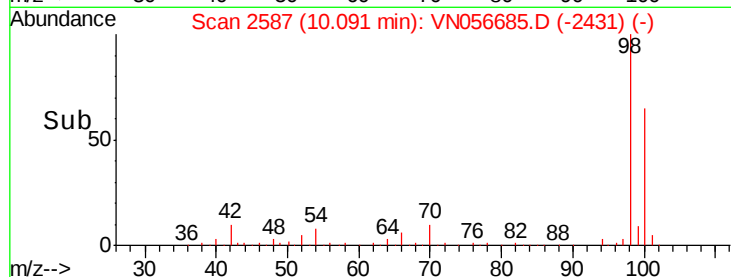
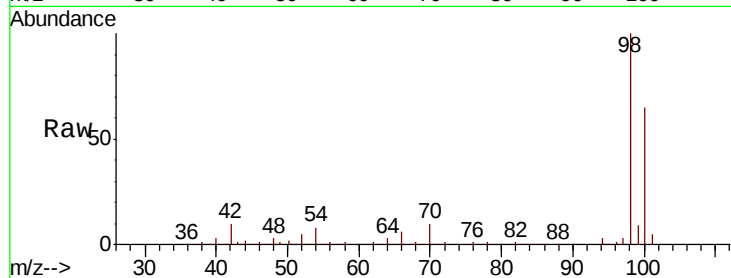
ICVVN071319

Tot Ion: 98 Resp: 356967

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



#64

Chlorobenzene

Concen: 20.241 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056685.D

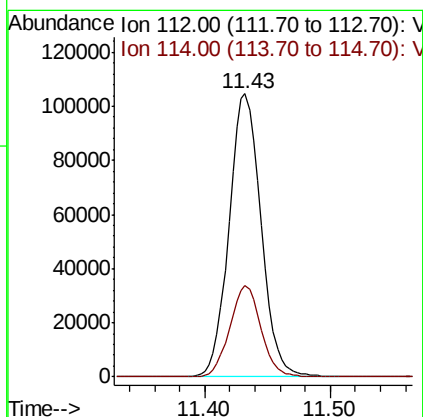
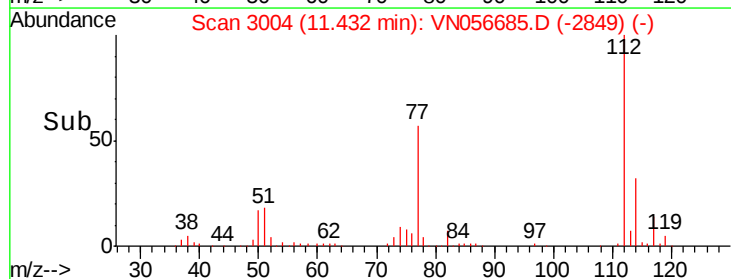
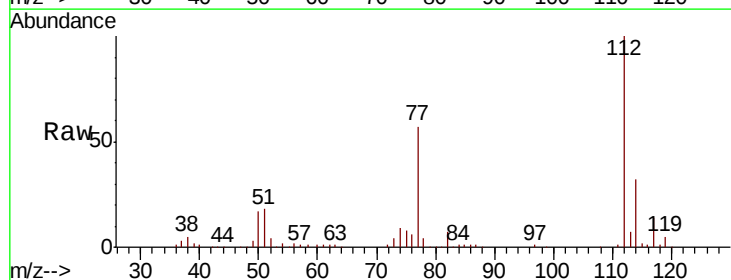
Acq: 12 Jul 2019 12:53

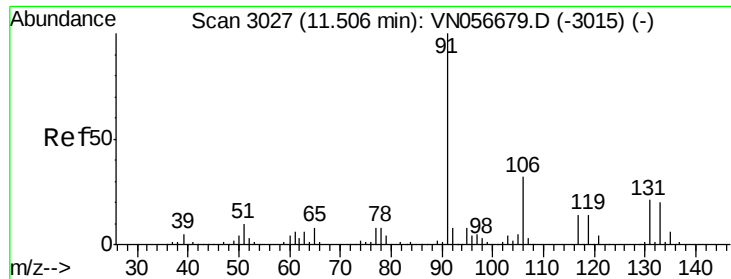
Tgt Ion: 112 Resp: 185399

Ion Ratio Lower Upper

112 100

114 32.1 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 20.070 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

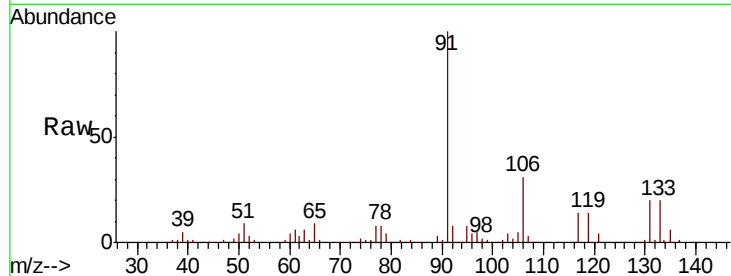
Tot Ion:131 Resp: 67400

Ion Ratio Lower Upper

131 100

133 96.6 0.0 191.4

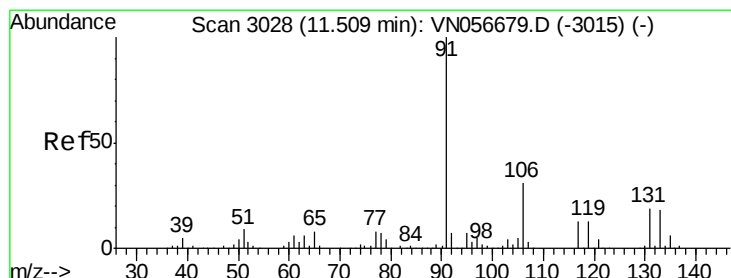
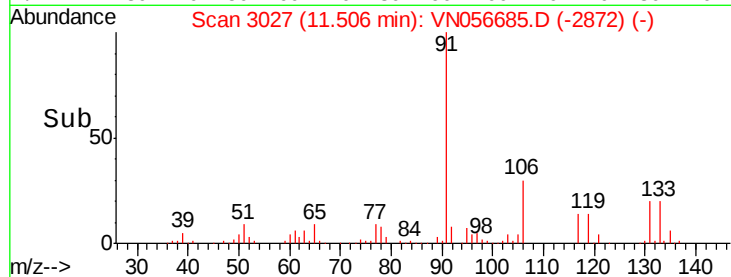
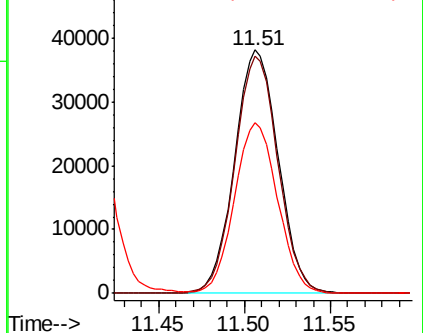
119 69.3 0.0 133.4



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: 20.194 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056685.D

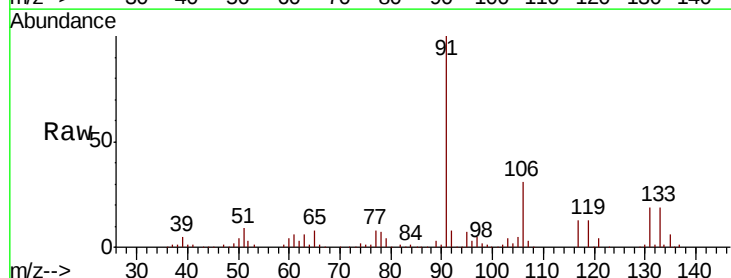
Acq: 12 Jul 2019 12:53

Tgt Ion: 91 Resp: 327821

Ion Ratio Lower Upper

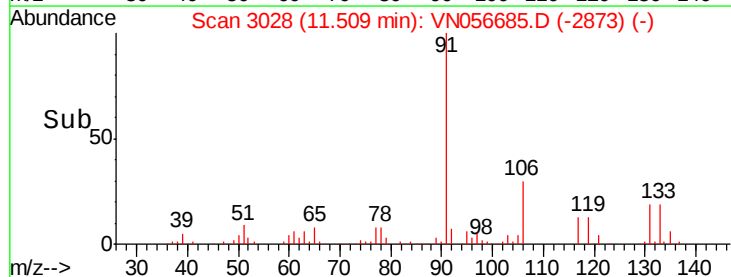
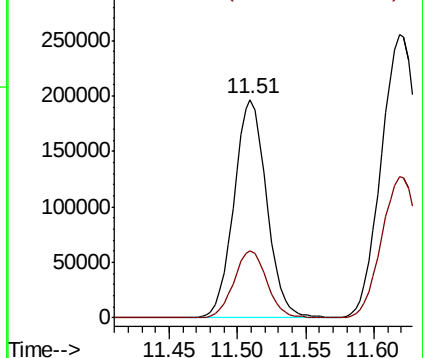
91 100

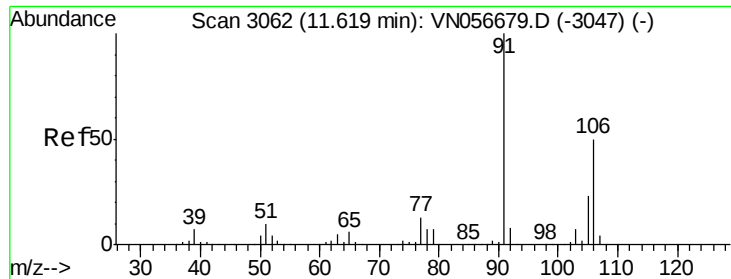
106 31.0 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

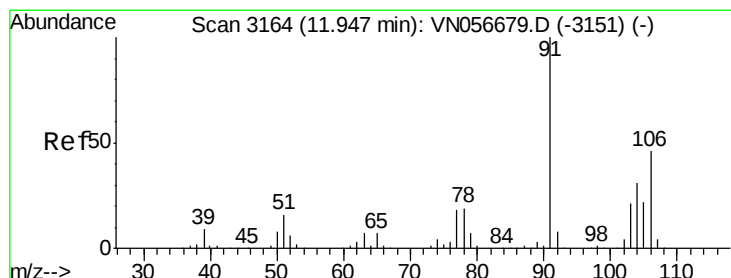
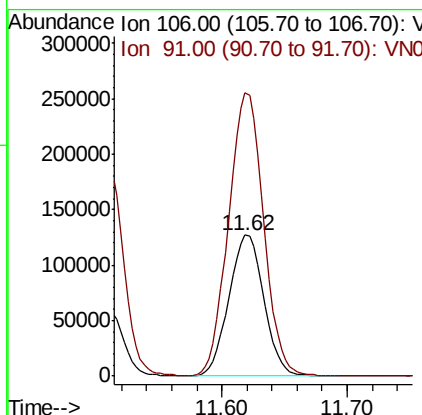
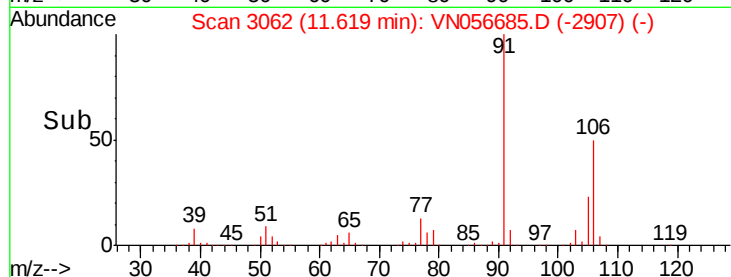
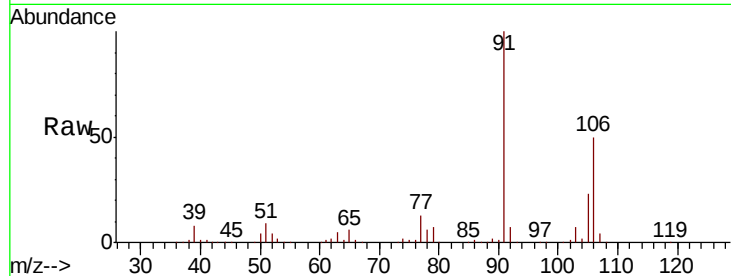




#67
m/p-Xylenes
Concen: 40.206 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

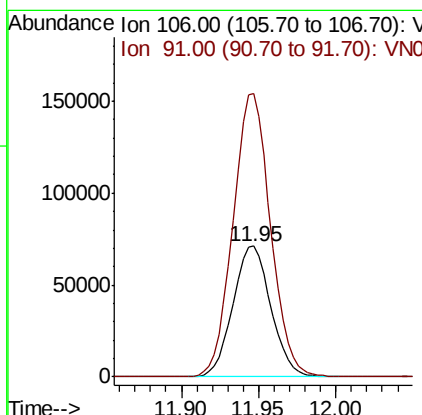
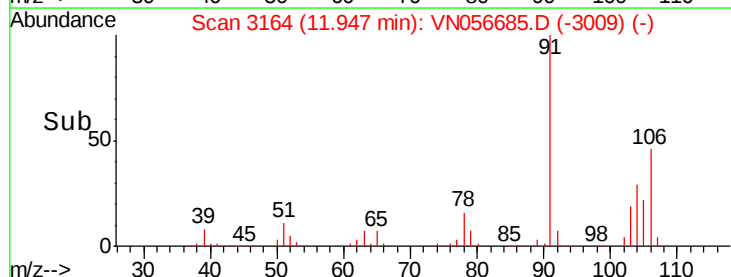
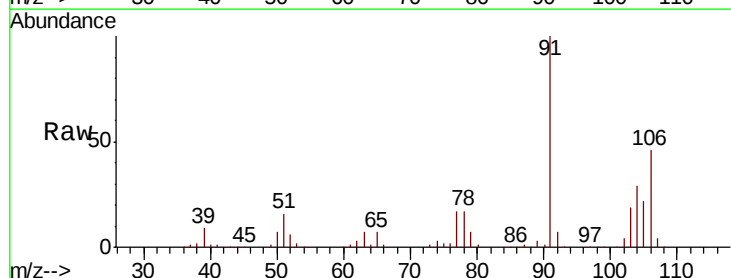
Instrument :
MSVOA_N
ClientSampled :
ICVVN071319

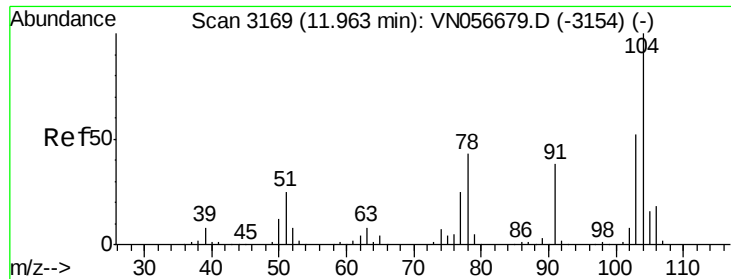
Tot Ion:106 Resp: 246318
Ion Ratio Lower Upper
106 100
91 200.8 161.8 242.8



#68
o-Xylene
Concen: 20.295 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion:106 Resp: 121271
Ion Ratio Lower Upper
106 100
91 213.8 108.1 324.2

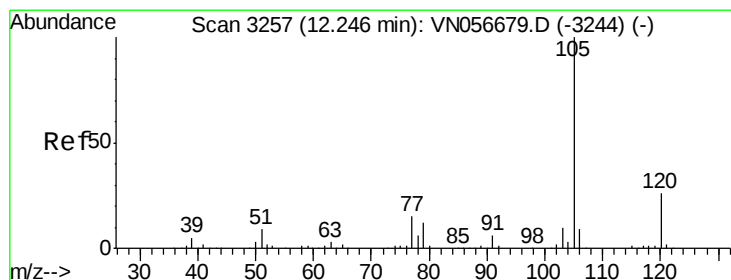
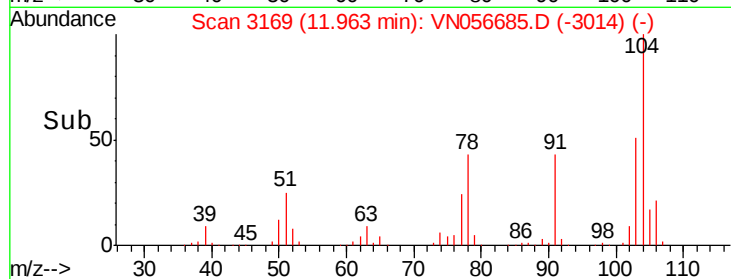
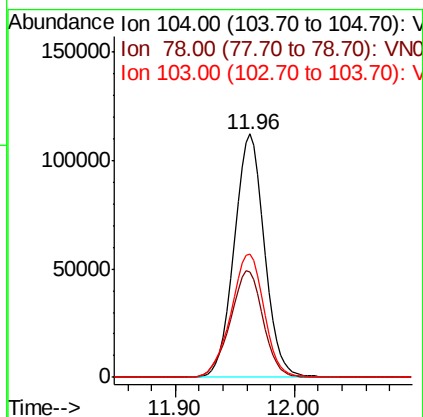
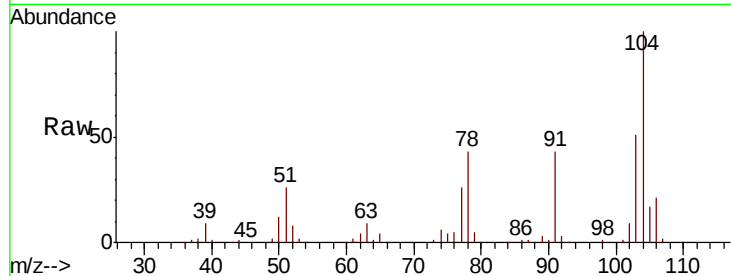




#69
Stvrene
Concen: 19.963 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

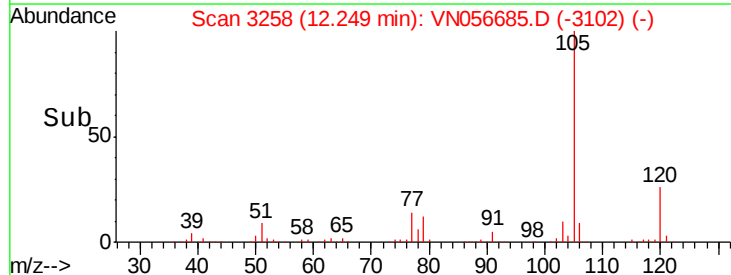
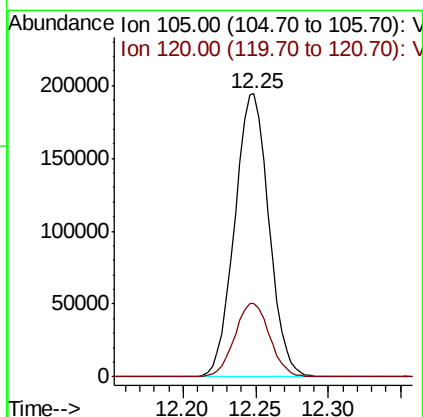
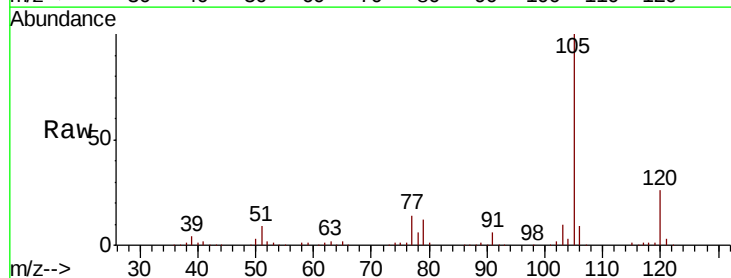
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

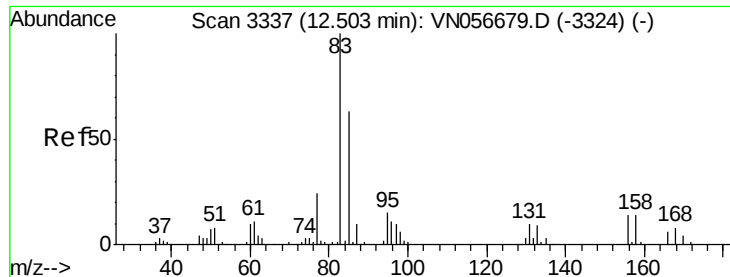
Tot Ion:104 Resp: 197659
Ion Ratio Lower Upper
104 100
78 47.5 38.7 58.1
103 55.4 45.0 67.4



#70
Isopropylbenzene
Concen: 20.368 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion:105 Resp: 319024
Ion Ratio Lower Upper
105 100
120 26.5 18.6 34.5

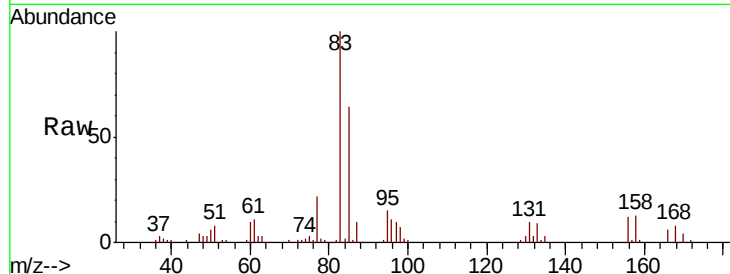




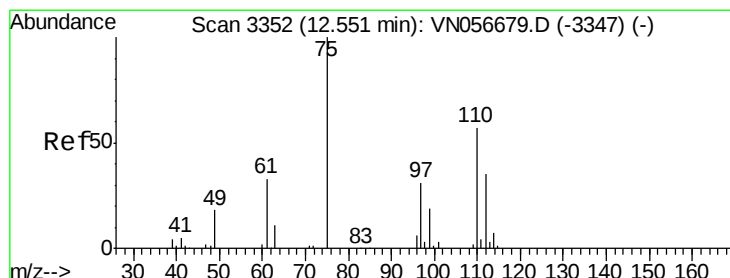
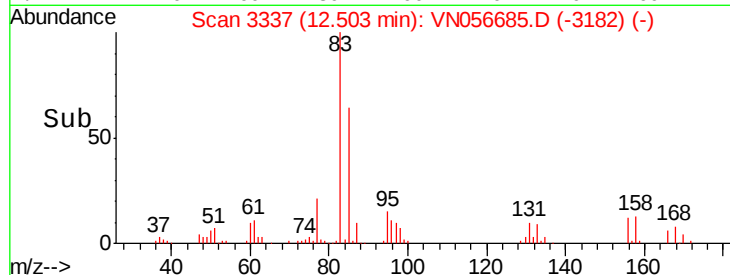
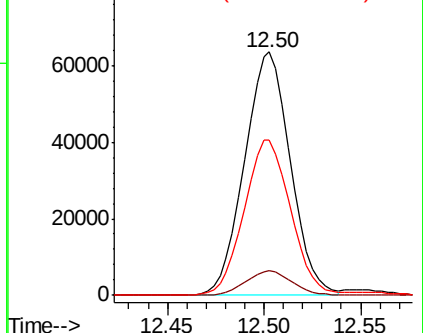
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.679 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Tot Ion	83	Resp	105131
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.5	31.9	95.7

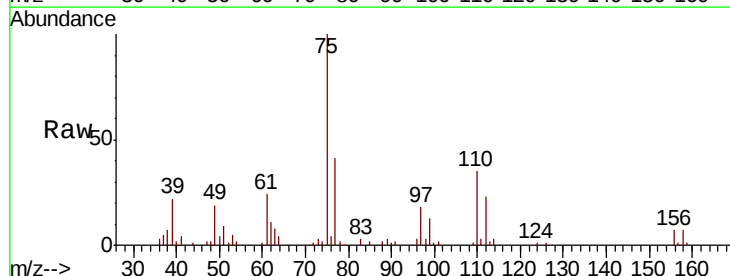


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

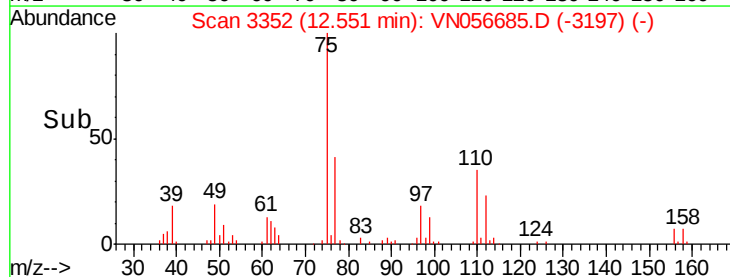
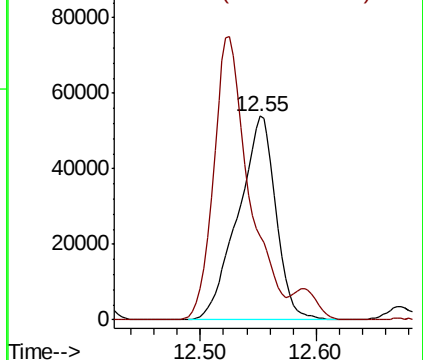


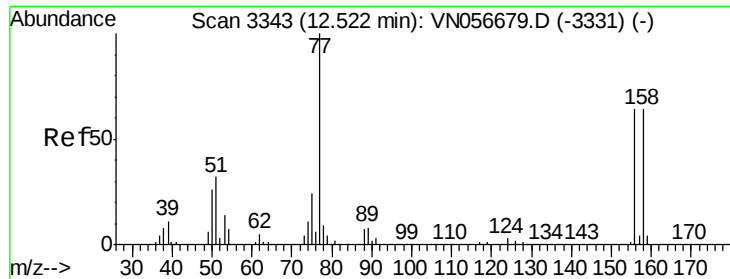
#72
 1,2,3-Trichloropropane
 Concen: 28.219 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion	75	Resp	122613
Ion Ratio	Lower	Upper	
75	100		
77	129.4	0.0	352.2



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





#73

Bromobenzene

Concen: 19.895 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

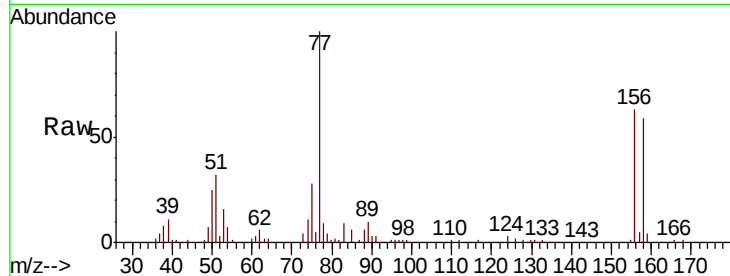
Tot Ion:156 Resp: 81430

Ion Ratio Lower Upper

156 100

77 194.9 0.0 381.8

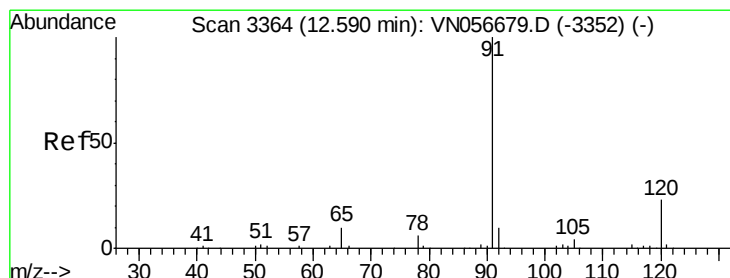
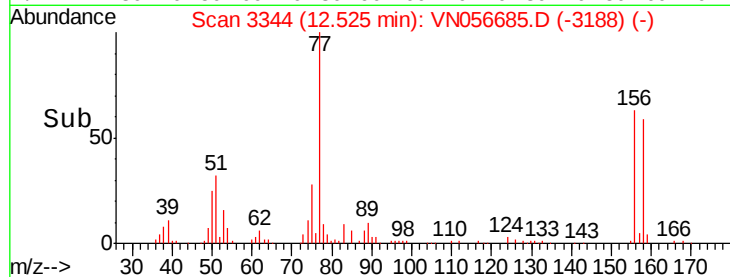
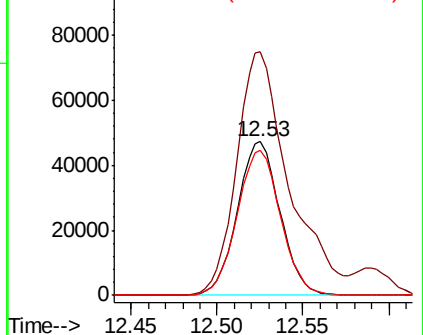
158 96.2 0.0 195.8



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: 19.659 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056685.D

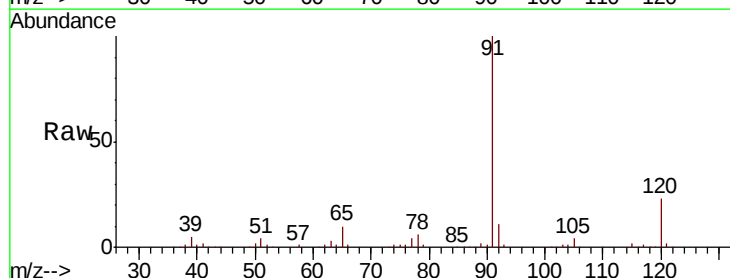
Acq: 12 Jul 2019 12:53

Tgt Ion: 91 Resp: 347402

Ion Ratio Lower Upper

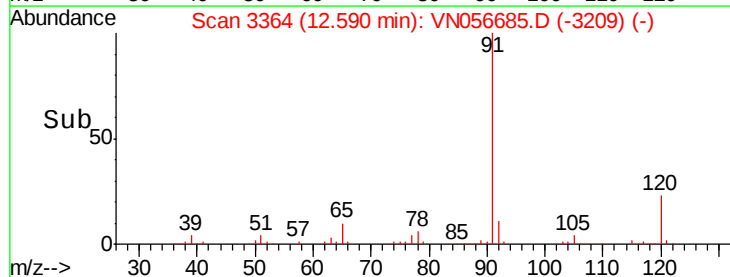
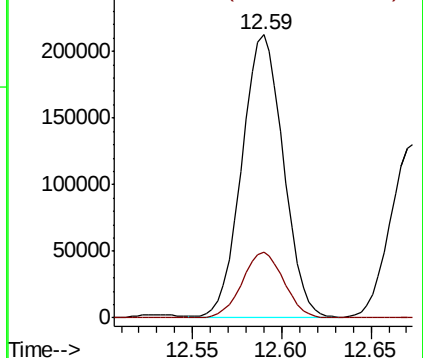
91 100

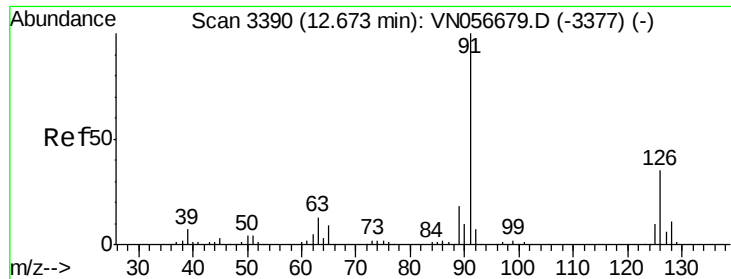
120 23.2 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.215 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

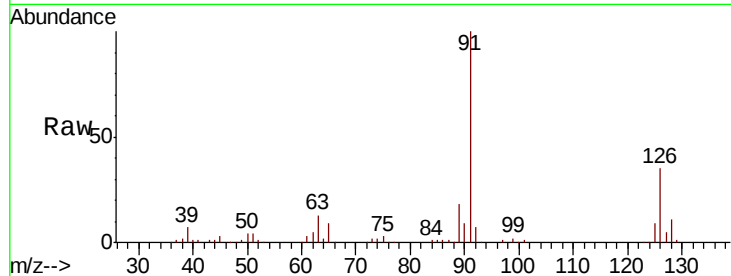
ICVVN071319

Tot Ion: 91 Resp: 215139

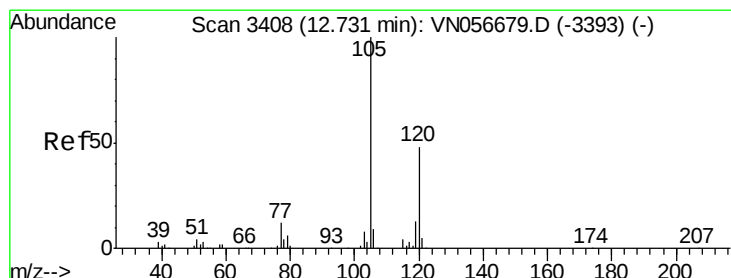
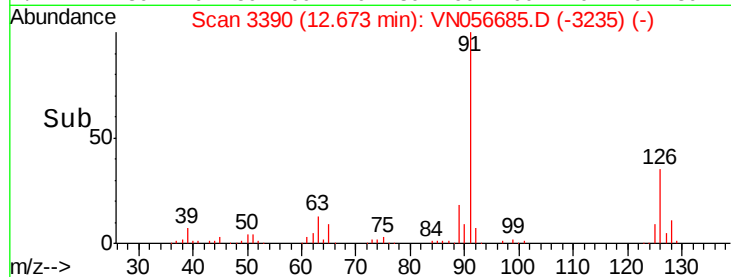
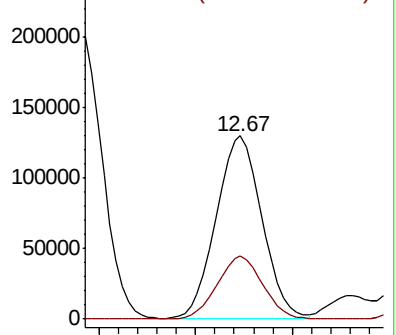
Ion Ratio Lower Upper

91 100

126 34.0 0.0 69.8



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



#76

1,3,5-Trimethylbenzene

Concen: 20.174 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056685.D

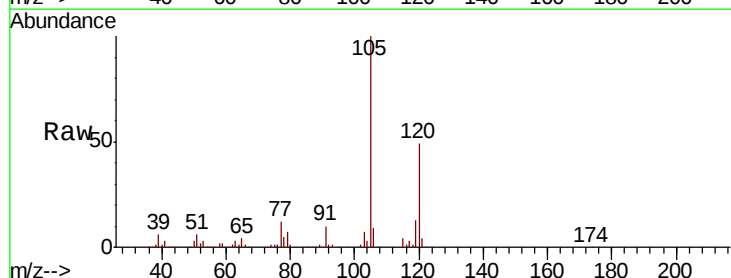
Acq: 12 Jul 2019 12:53

Tgt Ion: 105 Resp: 269518

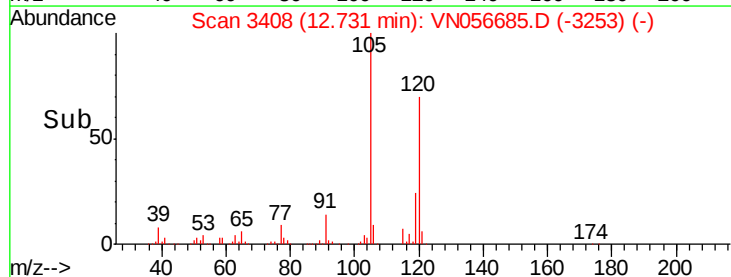
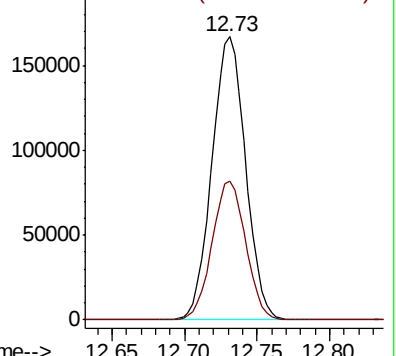
Ion Ratio Lower Upper

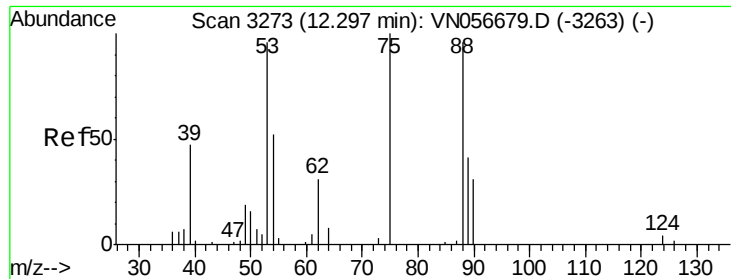
105 100

120 49.2 0.0 97.6



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





#77

t-1,4-Dichloro-2-butene

Concen: 17.883 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

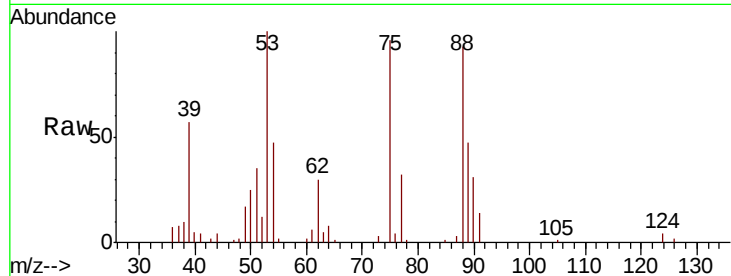
Tot Ion: 75 Resp: 25829

Ion Ratio Lower Upper

75 100

53 103.7 48.6 145.8

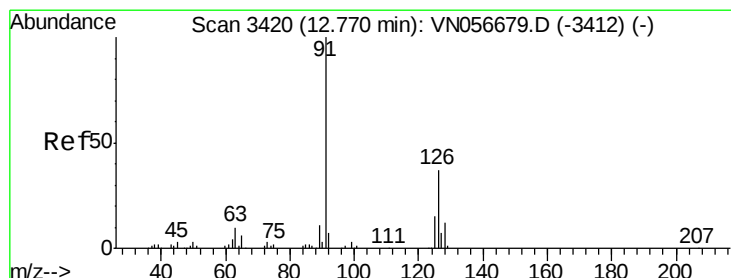
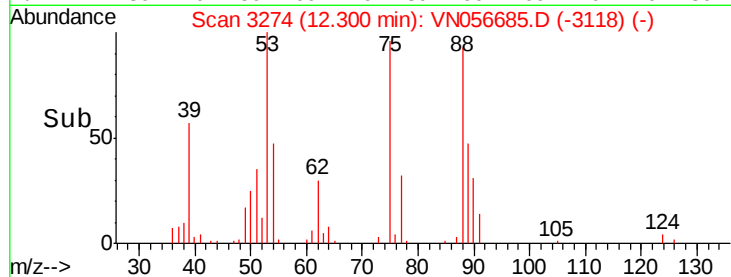
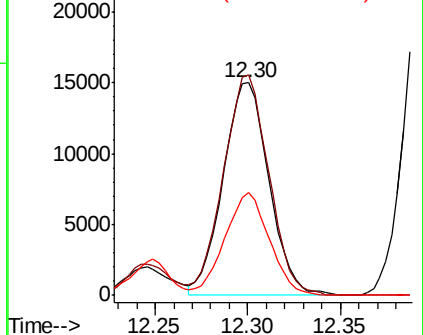
89 48.6 21.3 64.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.756 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056685.D

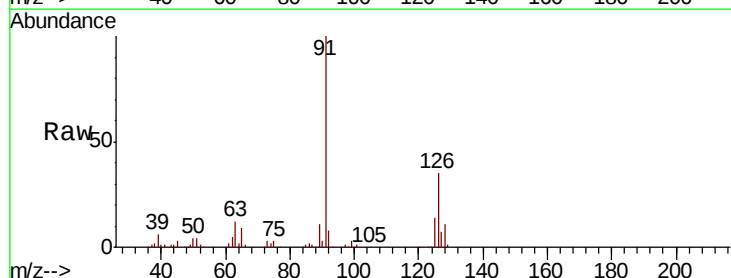
Acq: 12 Jul 2019 12:53

Tgt Ion: 91 Resp: 203891

Ion Ratio Lower Upper

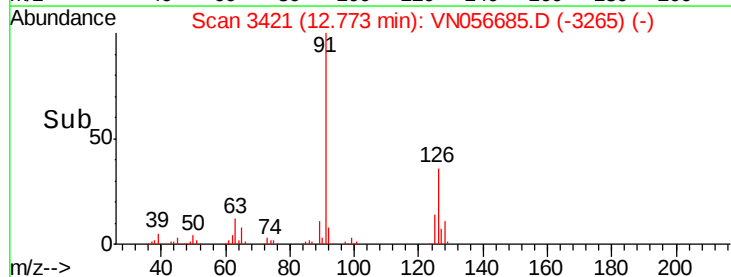
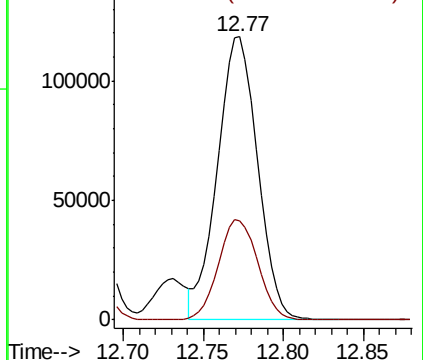
91 100

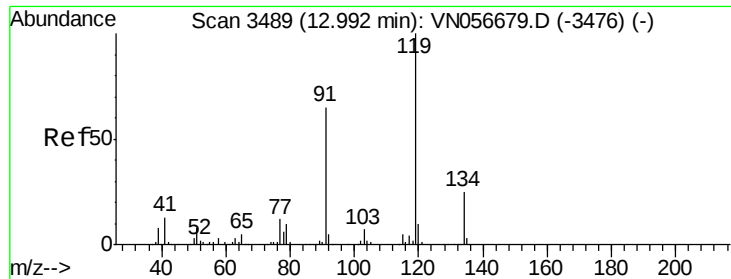
126 34.4 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

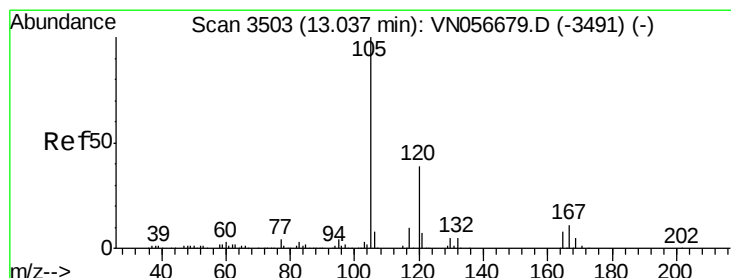
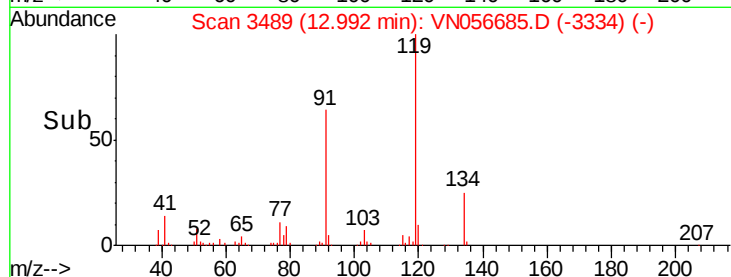
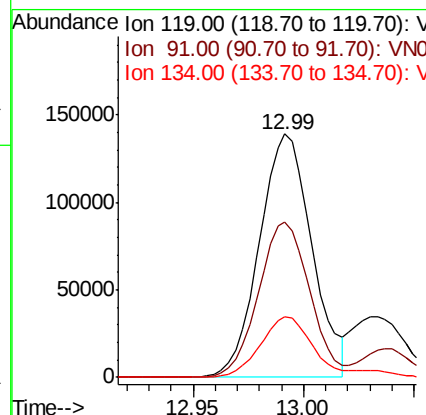
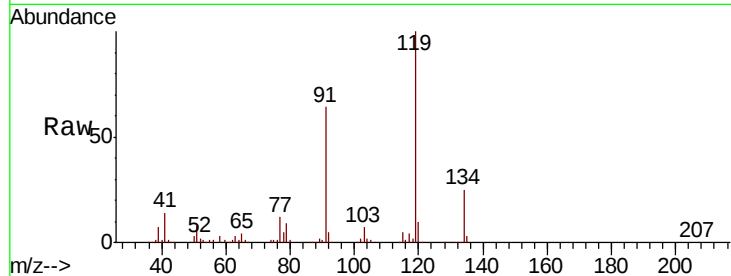




#79
tert-butylbenzene
Concen: 20.217 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

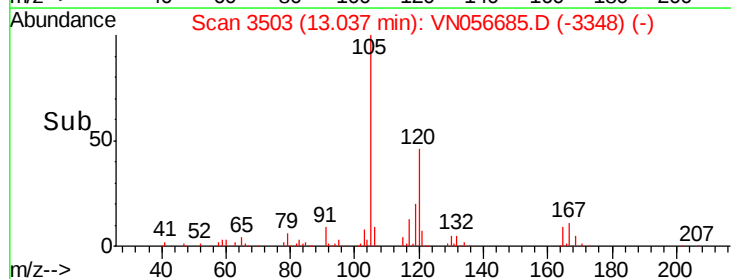
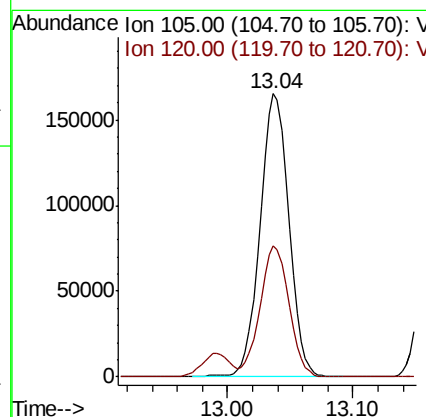
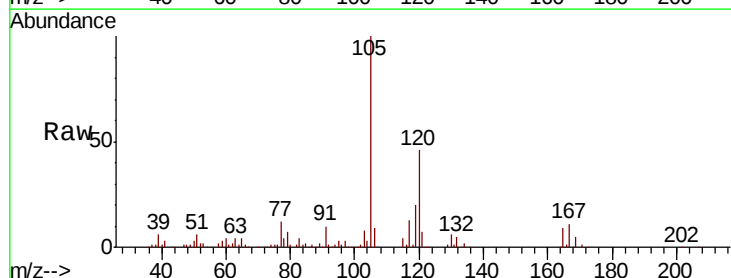
Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

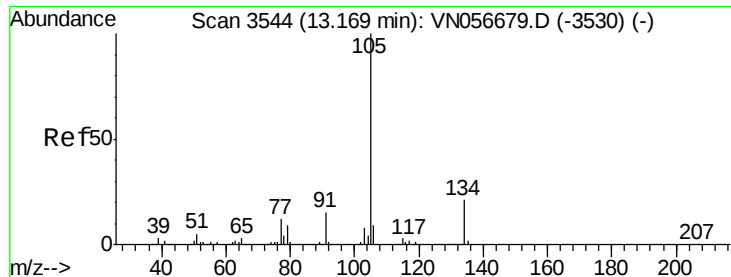
Tot Ion:119 Resp: 229769
Ion Ratio Lower Upper
119 100
91 62.7 0.0 125.4
134 24.5 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 19.963 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion:105 Resp: 264501
Ion Ratio Lower Upper
105 100
120 46.6 0.0 91.2





#81

sec-Butylbenzene

Concen: 19.812 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

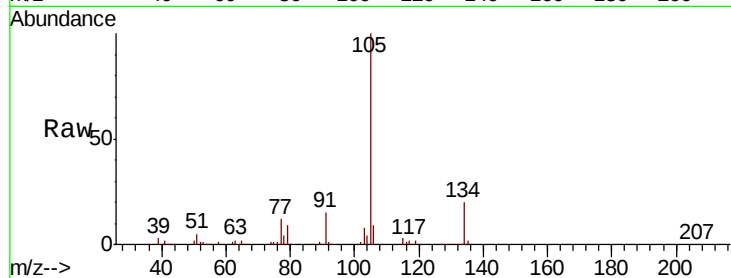
ICVVN071319

Tot Ion:105 Resp: 298045

Ion Ratio Lower Upper

105 100

134 20.1 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

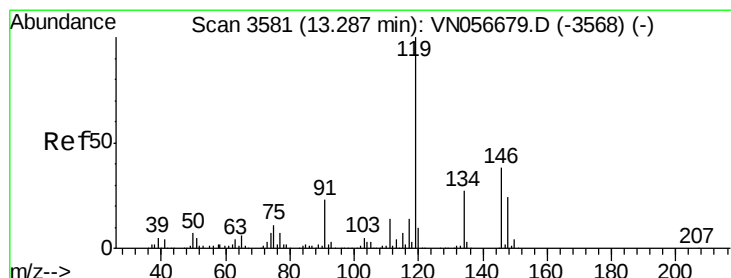
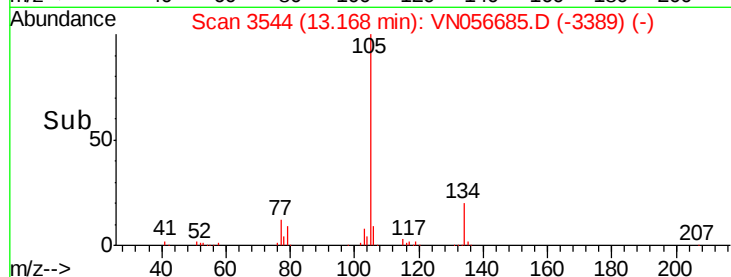
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.780 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

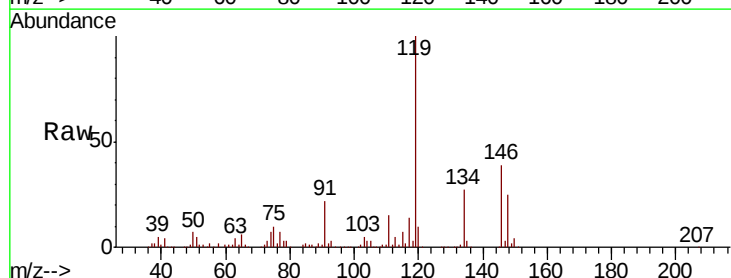
Tgt Ion:119 Resp: 270613

Ion Ratio Lower Upper

119 100

134 26.3 0.0 52.8

91 22.1 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

13.29

200000

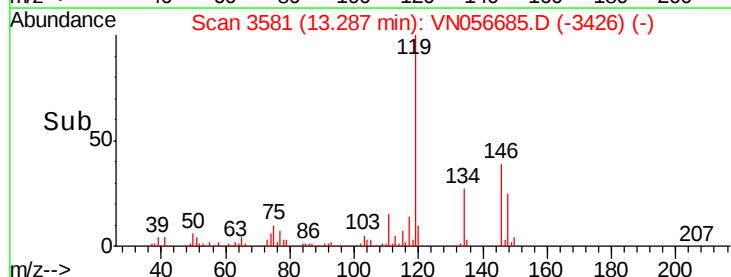
150000

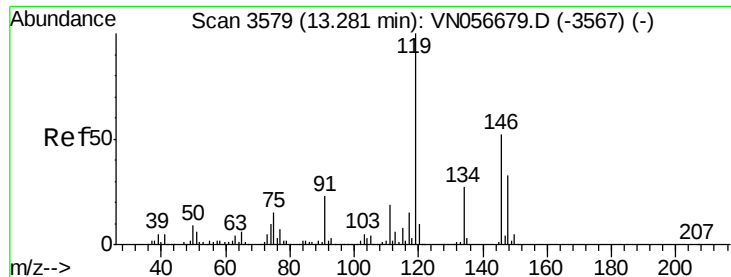
100000

50000

0

Time-->

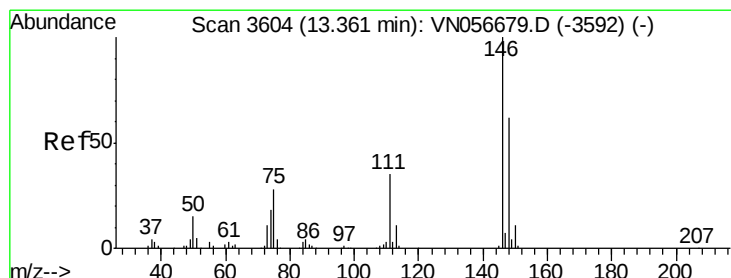
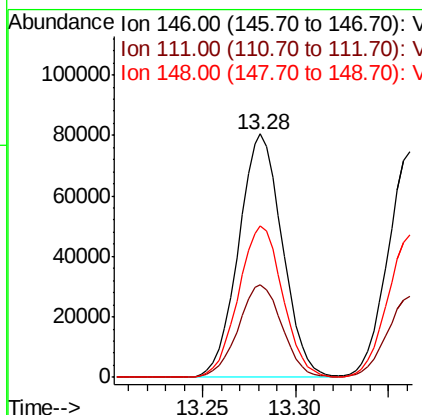
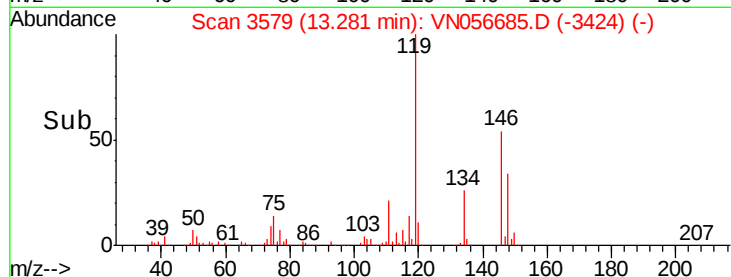
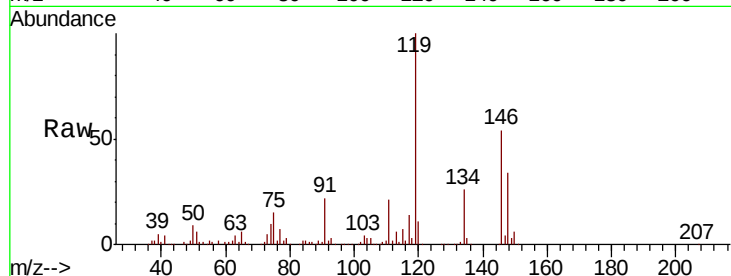




#83
 1,3-Dichlorobenzene
 Concen: 19.297 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

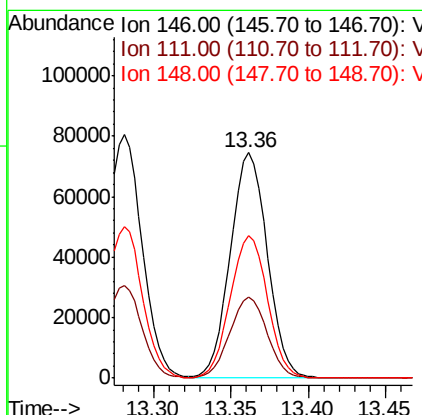
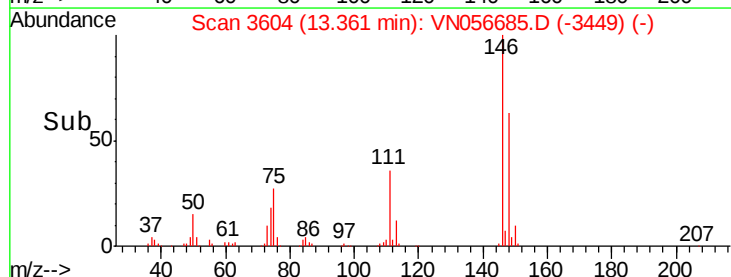
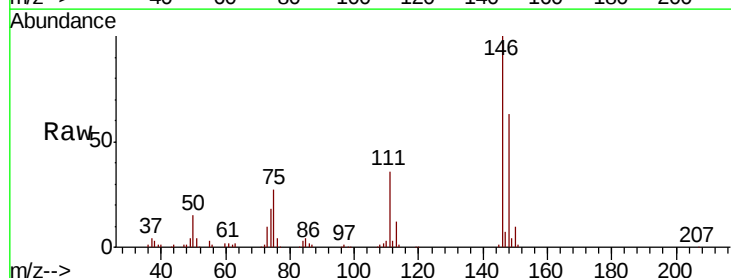
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

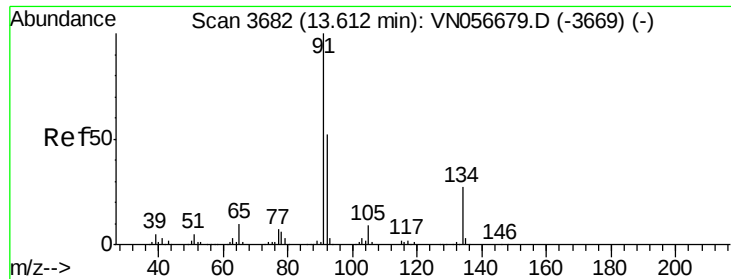
Tot Ion:146 Resp: 131643
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.7 56.1
 148 62.8 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 19.000 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion:146 Resp: 124246
 Ion Ratio Lower Upper
 146 100
 111 36.0 17.8 53.4
 148 62.9 31.9 95.5





#85

n-Butylbenzene

Concen: 18.609 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

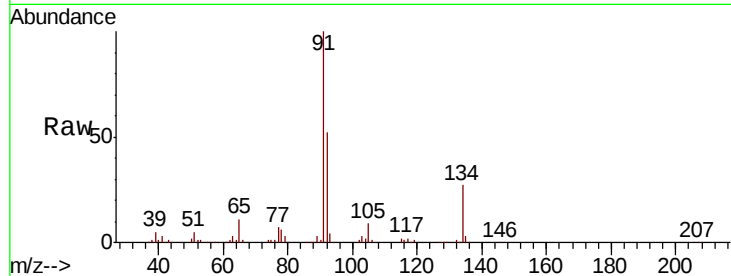
Tot Ion: 91 Resp: 210000

Ion Ratio Lower Upper

91 100

92 52.7 0.0 104.0

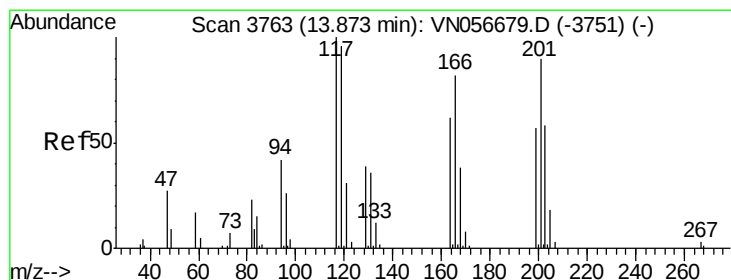
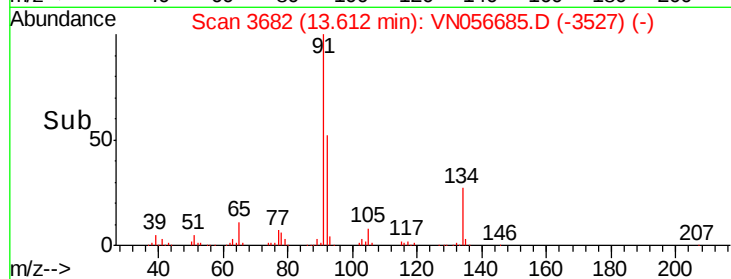
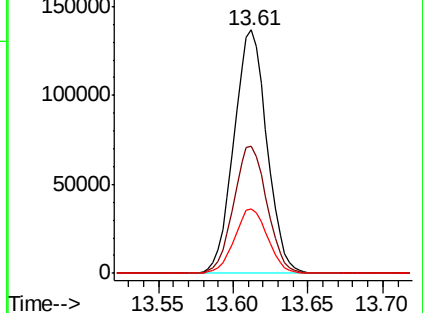
134 26.6 0.0 53.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#86

Hexachloroethane

Concen: 18.922 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056685.D

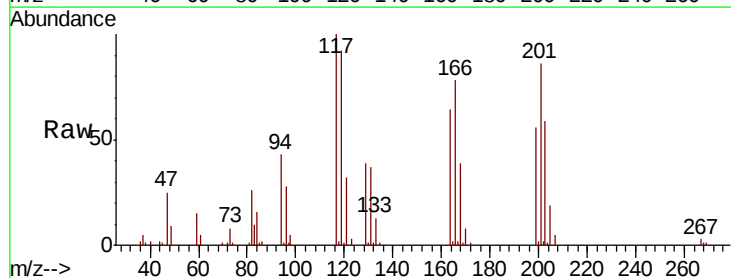
Acq: 12 Jul 2019 12:53

Tgt Ion: 117 Resp: 40618

Ion Ratio Lower Upper

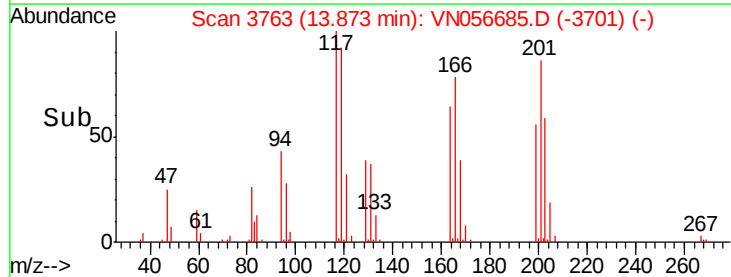
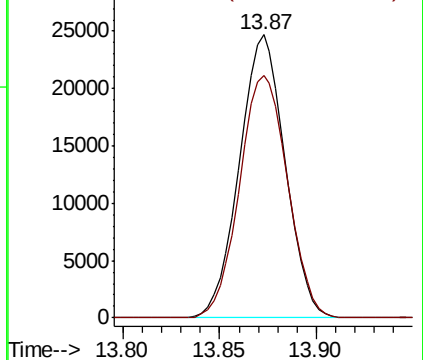
117 100

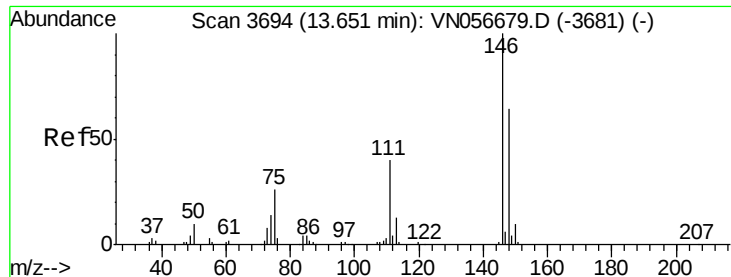
201 89.6 45.6 136.7



Abundance Ion 117.00 (116.70 to 117.70): VN0

Ion 201.00 (200.70 to 201.70): VN0





#87

1,2-Dichlorobenzene

Concen: 19.859 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

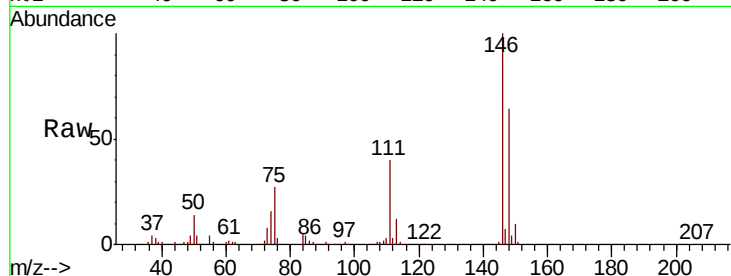
Tot Ion:146 Resp: 136144

Ion Ratio Lower Upper

146 100

111 39.4 19.7 59.0

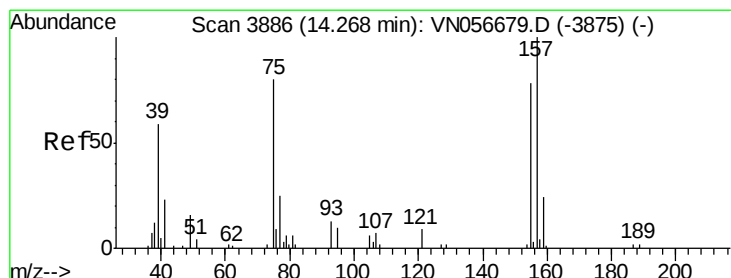
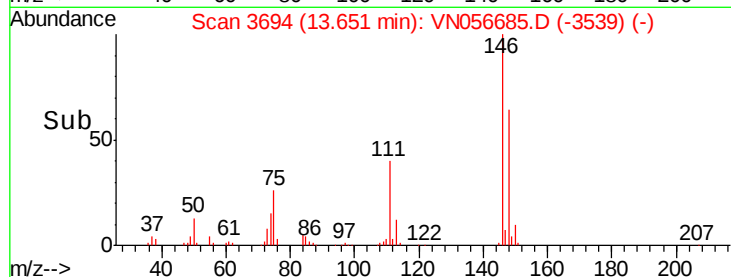
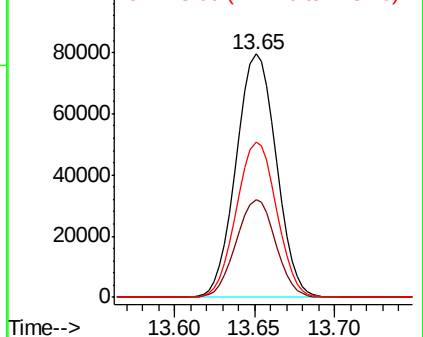
148 63.9 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.933 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

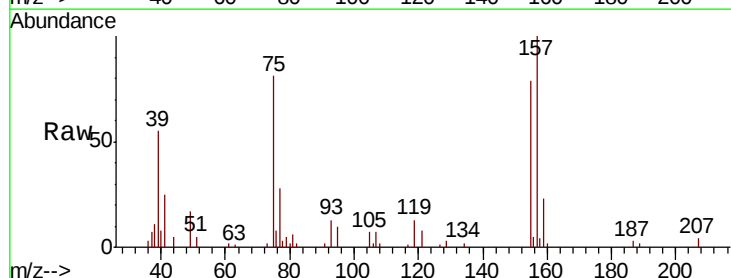
Tgt Ion: 75 Resp: 17483

Ion Ratio Lower Upper

75 100

155 92.6 78.6 117.8

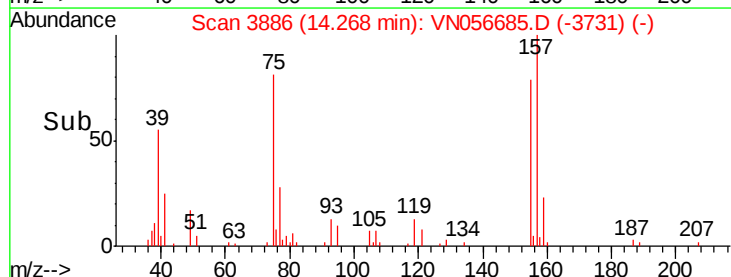
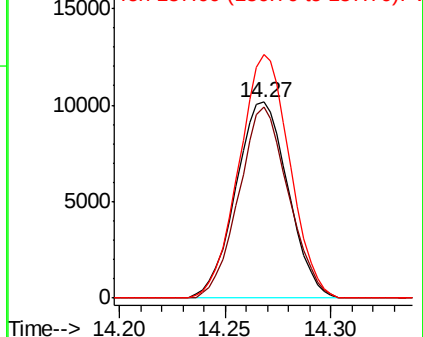
157 120.8 99.3 148.9

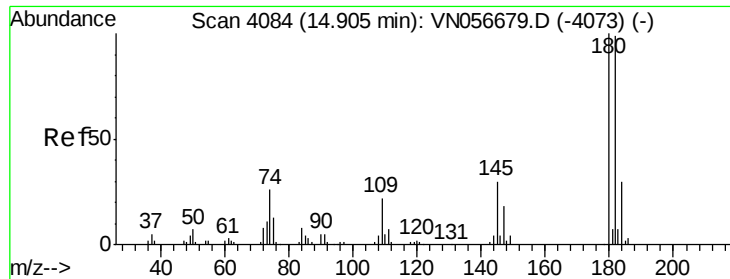


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

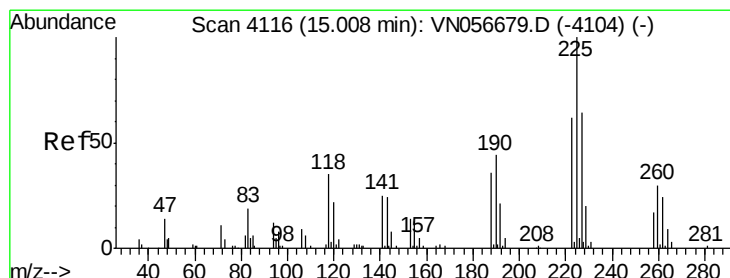
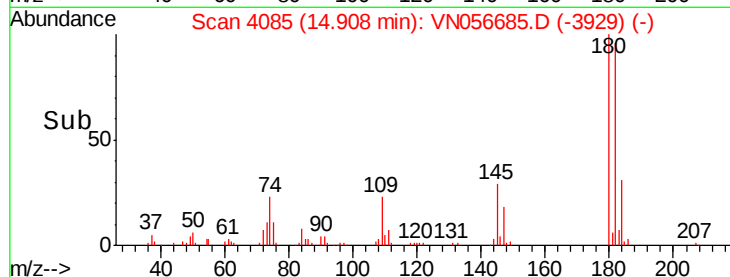
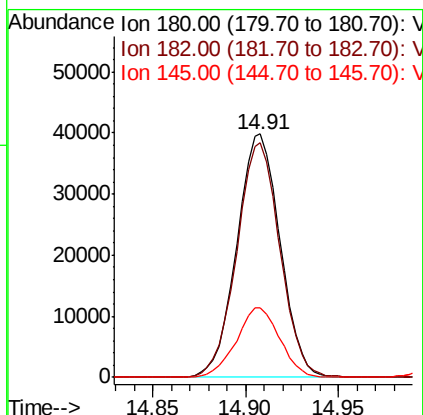
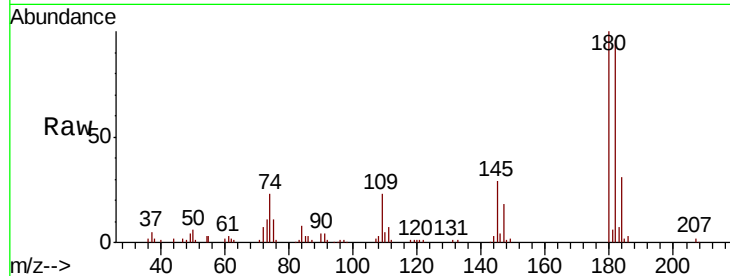




#89
1,2,4-Trichlorobenzene
Concen: 17.569 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

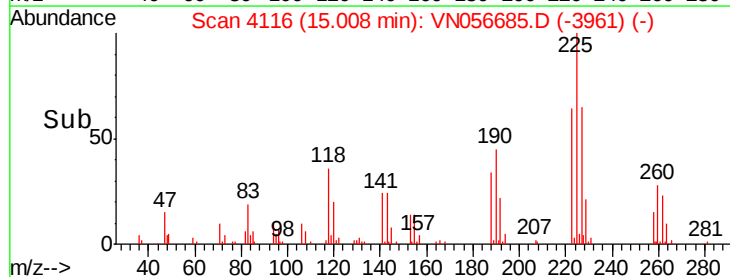
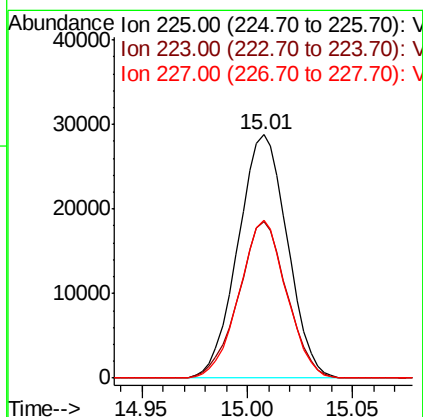
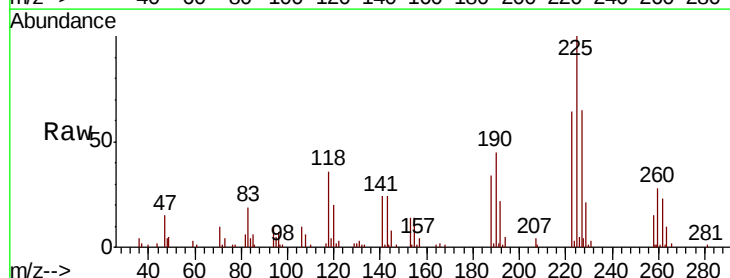
Instrument :
MSVOA_N
ClientSampled :
ICVVN071319

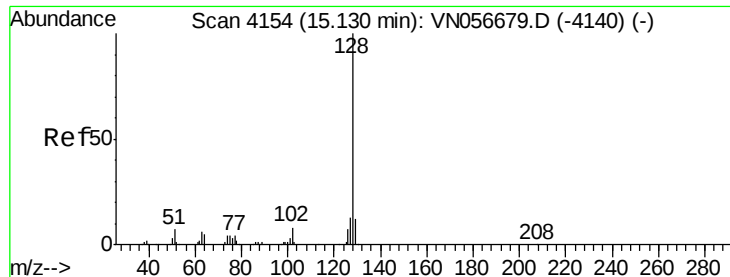
Tot Ion:180 Resp: 64787
Ion Ratio Lower Upper
180 100
182 96.0 78.2 117.4
145 28.7 23.2 34.8



#90
Hexachlorobutadiene
Concen: 19.528 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion:225 Resp: 46818
Ion Ratio Lower Upper
225 100
223 62.8 0.0 124.6
227 61.9 0.0 128.6





#91

Naphthalene

Concen: 16.623 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

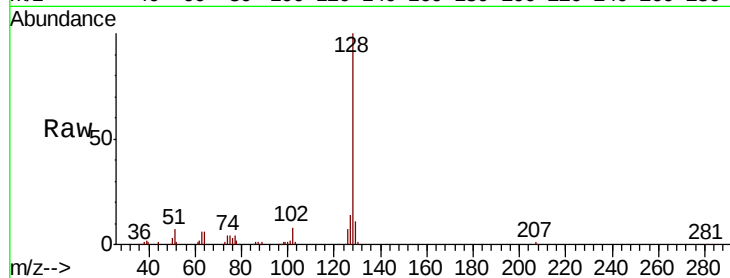
Tot Ion:128 Resp: 164868

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.2 8.8 13.2

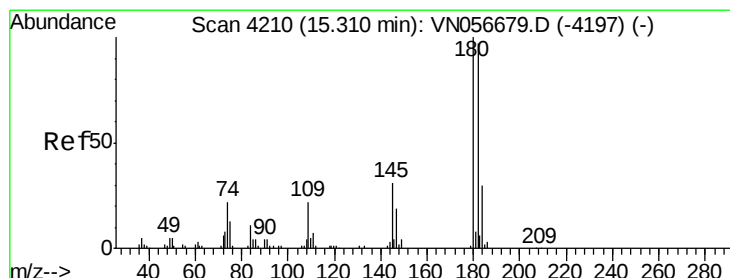
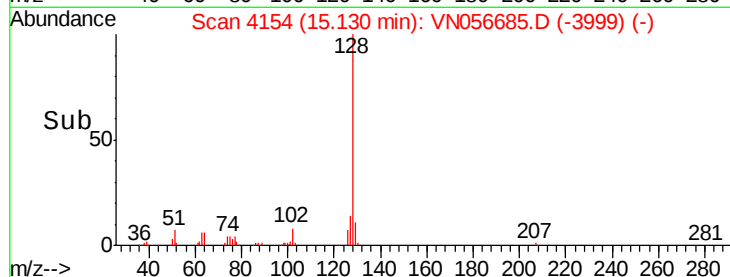
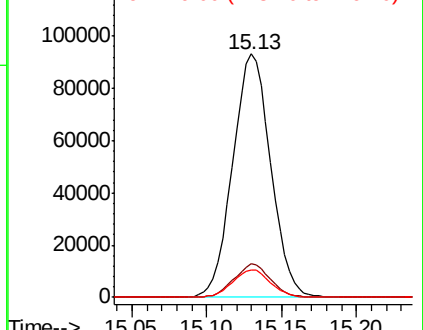


Abundance

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: 18.004 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

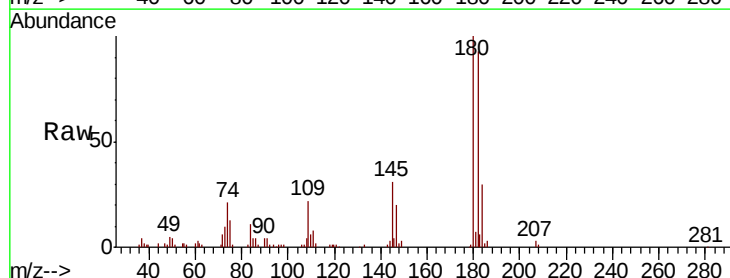
Tgt Ion:180 Resp: 69613

Ion Ratio Lower Upper

180 100

182 95.7 0.0 192.4

145 30.0 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

