

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071219\
 Data File : VN056670.D
 Acq On : 11 Jul 2019 17:19
 Operator : JC/SP
 Sample : VN0712WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

Quant Time: Jul 12 04:49:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	289705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	451190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	402381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174627	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	165767	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
35) Dibromofluoromethane	7.59	113	144288	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
50) Toluene-d8	10.09	98	534604	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.40	95	184208	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	44555	18.163	ug/l	98
3) Chloromethane	2.06	50	57376	17.178	ug/l	99
4) Vinyl Chloride	2.18	62	60104	18.631	ug/l	98
5) Bromomethane	2.55	94	35832	18.946	ug/l	99
6) Chloroethane	2.70	64	35484	18.993	ug/l	94
7) Trichlorofluoromethane	3.01	101	82885	19.862	ug/l	99
8) Diethyl Ether	3.41	74	34118	19.318	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	53319	20.035	ug/l	99
10) Methyl Iodide	3.95	142	58427	16.244	ug/l	99
11) Tert butyl alcohol	4.79	59	60949	112.705	ug/l	100
12) 1,1-Dichloroethene	3.73	96	48769	19.056	ug/l	99
13) Acrolein	3.61	56	16157	35.449	ug/l	98
14) Allyl chloride	4.32	41	87463	20.530	ug/l	99
15) Acrylonitrile	4.99	53	168875	112.878	ug/l	98
16) Acetone	3.82	43	142473	88.566	ug/l	100
17) Carbon Disulfide	4.05	76	88870	15.267	ug/l	99
18) Methyl Acetate	4.33	43	75066	23.363	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	178317	21.057	ug/l	100
20) Methylene Chloride	4.55	84	62748	20.160	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	52305	18.957	ug/l	98
22) Diisopropyl ether	5.95	45	199747	22.326	ug/l	98
23) Vinyl Acetate	5.90	43	786618	111.471	ug/l	100
24) 1,1-Dichloroethane	5.85	63	108790	21.183	ug/l	99
25) 2-Butanone	6.84	43	227972	107.075	ug/l	100
26) 2,2-Dichloropropane	6.83	77	74543	20.869	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	66484	20.595	ug/l	99
28) Bromochloromethane	7.20	49	56853	22.380	ug/l	98
29) Tetrahydrofuran	7.21	42	152308	117.062	ug/l	98
30) Chloroform	7.37	83	110987	21.900	ug/l	99
31) Cyclohexane	7.65	56	88498	17.849	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	84814	21.114	ug/l	98
36) 1,1-Dichloropropene	7.79	75	73357	18.472	ug/l	98
37) Ethyl Acetate	6.93	43	88981	22.800	ug/l	98
38) Carbon Tetrachloride	7.77	117	71433	20.569	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	85238	17.395	ug/l	97
40) Benzene	8.04	78	245814	20.123	ug/l	99
41) Methacrylonitrile	7.17	41	38857	22.547	ug/l	90
42) 1,2-Dichloroethane	8.13	62	82529	20.471	ug/l	100
43) Isopropyl Acetate	8.17	43	136525	22.686	ug/l	98
44) Trichloroethene	8.84	130	64801	19.693	ug/l	97
45) 1,2-Dichloropropane	9.12	63	68438	20.949	ug/l	100
46) Dibromomethane	9.21	93	43256	21.163	ug/l	97
47) Bromodichloromethane	9.40	83	80343	22.164	ug/l	98
48) Methyl methacrylate	9.20	41	67453	22.367	ug/l	95
49) 1,4-Dioxane	9.20	88	30066	480.422	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	457393	117.758	ug/l	99
52) Toluene	10.16	92	150971	20.215	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	79192	20.563	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	92719	21.240	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	65658	21.872	ug/l	97
56) Ethyl methacrylate	10.43	69	95175	21.694	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107907	21.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	220919	140.169	ug/l	100
59) 2-Hexanone	10.75	43	327986	114.891	ug/l	99
60) Dibromochloromethane	10.90	129	62386	21.637	ug/l	100
61) 1,2-Dibromoethane	11.00	107	65140	21.246	ug/l	98
64) Tetrachloroethene	10.63	164	62768	19.698	ug/l	99
65) Chlorobenzene	11.43	112	163848	20.265	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	61067	22.347	ug/l	99
67) Ethyl Benzene	11.51	91	278649	19.628	ug/l	100
68) m/p-Xylenes	11.62	106	210561	40.471	ug/l	99
69) o-Xylene	11.95	106	105242	20.446	ug/l	97
70) Styrene	11.96	104	174903	21.258	ug/l	99
71) Bromoform	12.13	173	45404	22.444	ug/l #	100
73) Isopropylbenzene	12.25	105	279126	19.650	ug/l	99
74) N-amyl acetate	12.07	43	107748	19.387	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	98376	22.539	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	113699	31.401	ug/l #	100
77) Bromobenzene	12.53	156	73685	18.871	ug/l	96
78) n-propylbenzene	12.59	91	302918	18.942	ug/l	99
79) 2-Chlorotoluene	12.67	91	188318	19.956	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	236194	20.142	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	22434	22.020	ug/l	99
82) 4-Chlorotoluene	12.77	91	178772	18.933	ug/l	99
83) tert-Butylbenzene	12.99	119	203990	19.625	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	235278	20.014	ug/l	100
85) sec-Butylbenzene	13.17	105	262270	18.659	ug/l	100
86) p-Isopropyltoluene	13.29	119	234535	19.443	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	118504	20.027	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	114893	20.048	ug/l	99
89) n-Butylbenzene	13.61	91	184770	20.234	ug/l	99
90) Hexachloroethane	13.87	117	35565	18.911	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	122949	20.942	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15956	24.694	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
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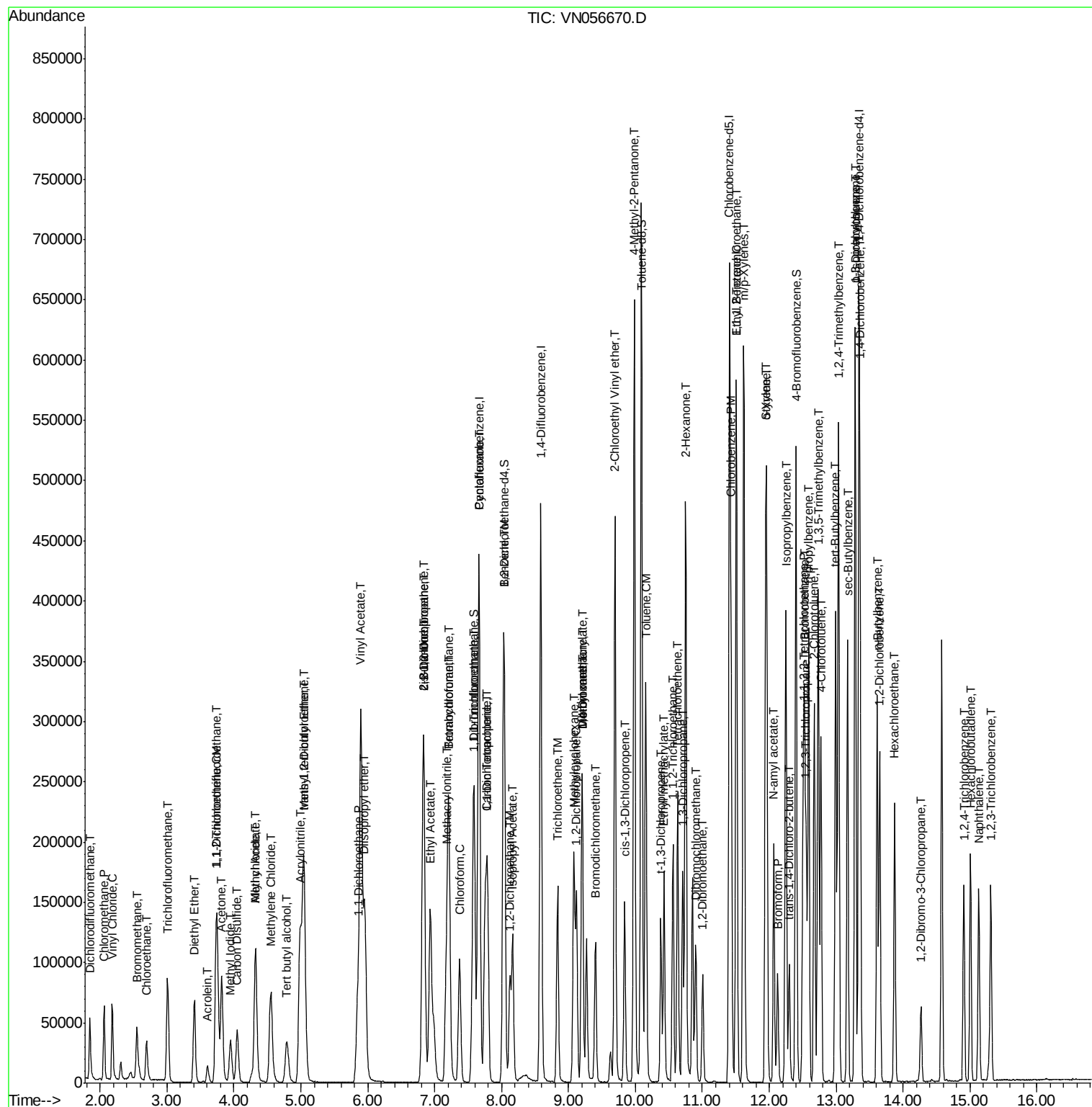
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56750	22.092	ug/l	97
94) Hexachlorobutadiene	15.01	225	41684	19.818	ug/l	99
95) Naphthalene	15.13	128	143510	21.321	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	61123	22.047	ug/l	98

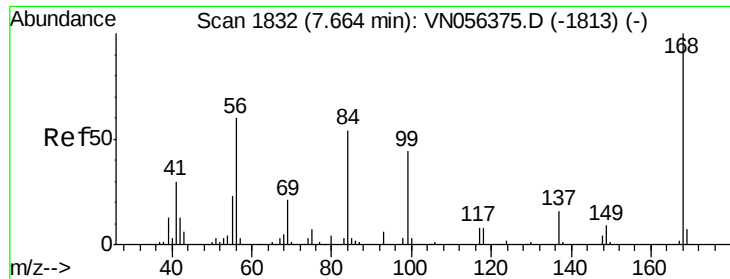
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 Data File : VN056670.D
 Acq On : 11 Jul 2019 17:19
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

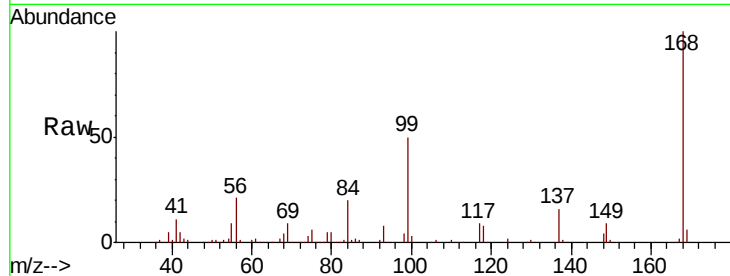
VN0712WBSD01

Tot Ion:168 Resp: 289705

Ion Ratio Lower Upper

168 100

99 49.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

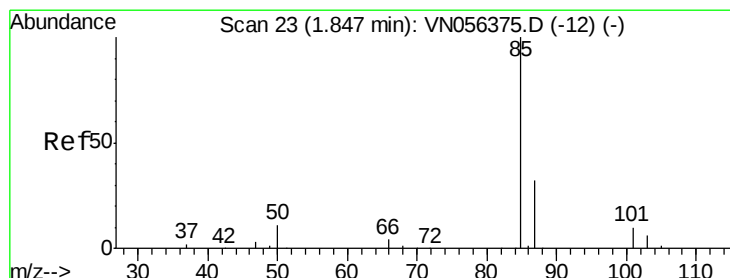
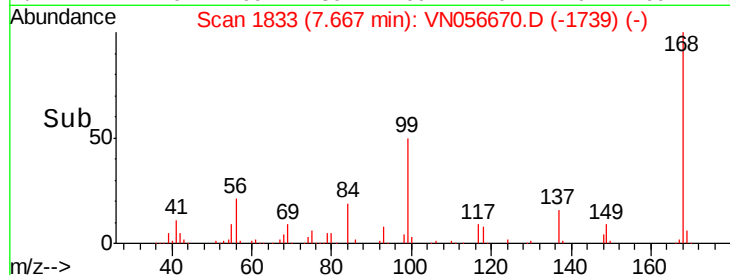
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.163 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056670.D

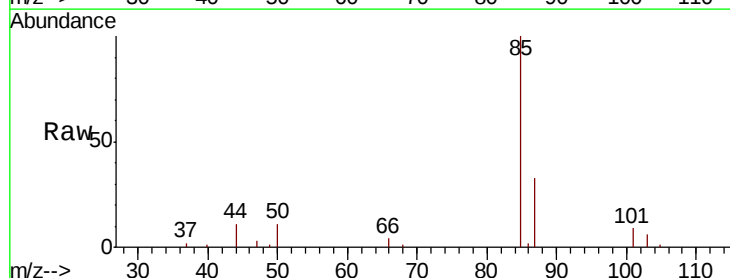
Acq: 11 Jul 2019 17:19

Tgt Ion: 85 Resp: 44555

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

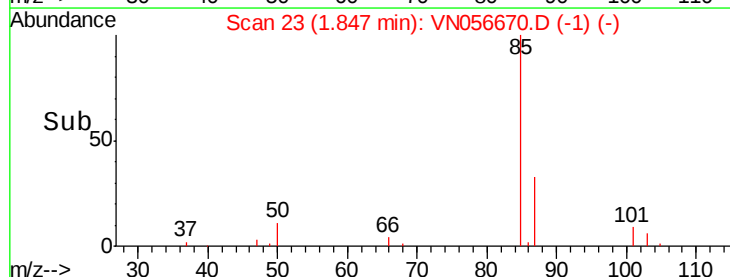
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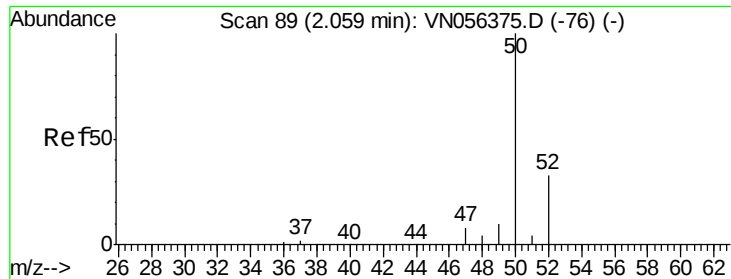
20000

10000

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Time-->





#3

Chloromethane

Concen: 17.178 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

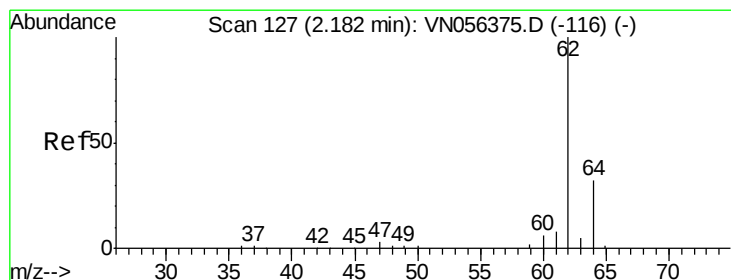
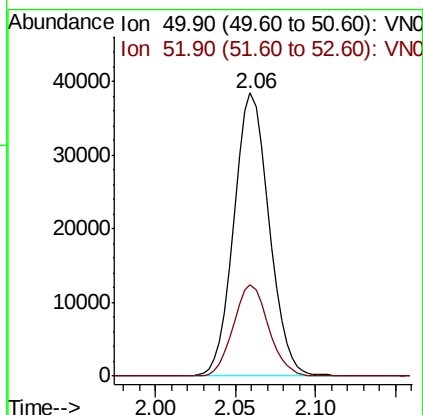
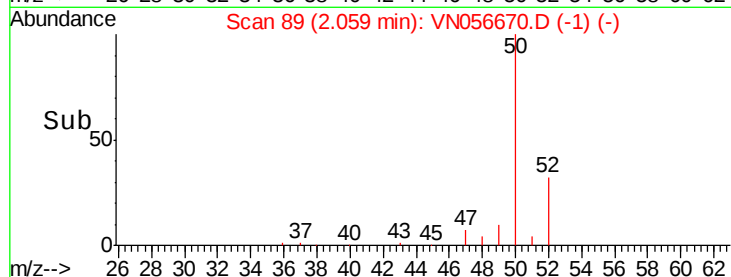
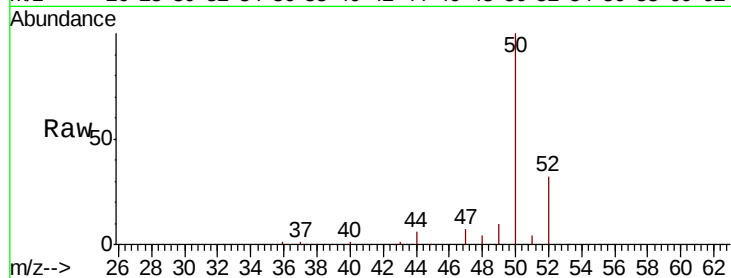
VN0712WBSD01

Tot Ion: 50 Resp: 57376

Ion Ratio Lower Upper

50 100

52 32.3 26.5 39.7



#4

Vinyl Chloride

Concen: 18.631 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056670.D

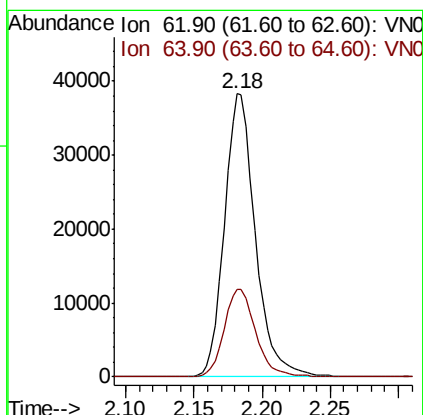
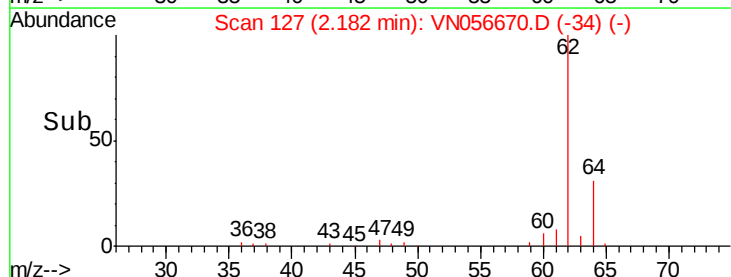
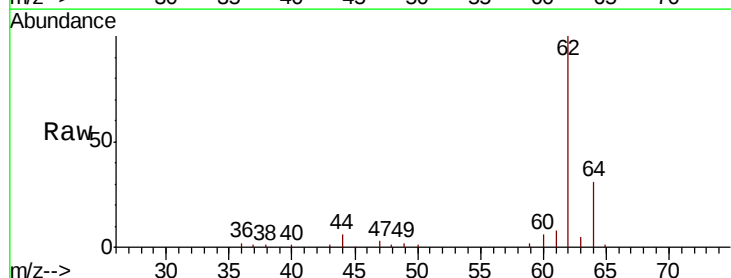
Acq: 11 Jul 2019 17:19

Tgt Ion: 62 Resp: 60104

Ion Ratio Lower Upper

62 100

64 31.2 25.7 38.5





#5

Bromomethane

Concen: 18.946 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.03 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

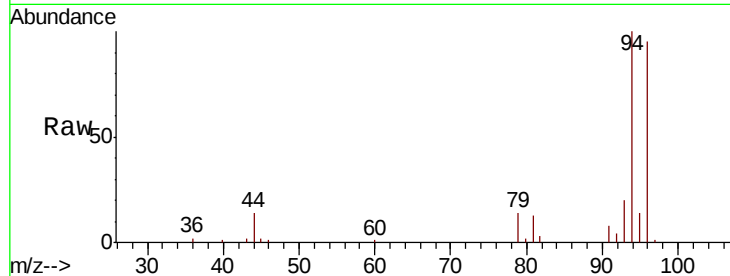
VN0712WBSD01

Tot Ion: 94 Resp: 35832

Ion Ratio Lower Upper

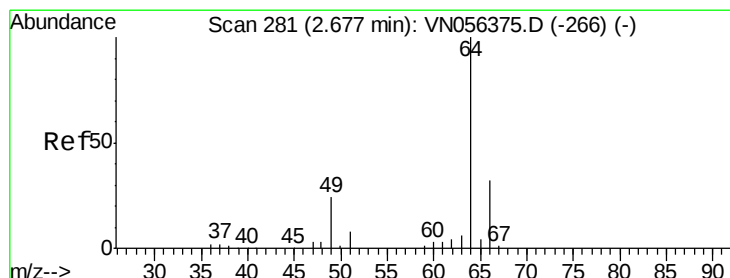
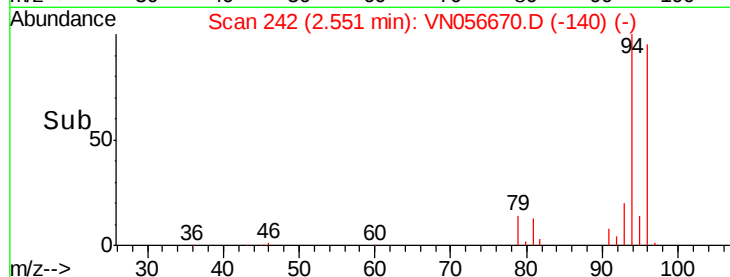
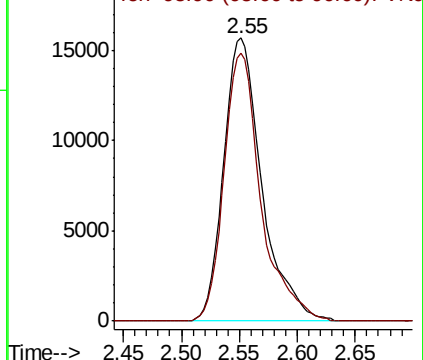
94 100

96 94.5 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.993 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.02 min

Lab File: VN056670.D

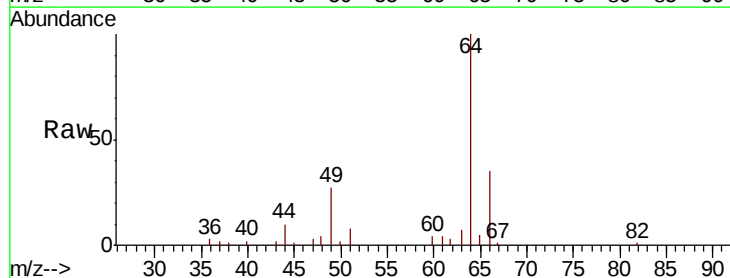
Acq: 11 Jul 2019 17:19

Tgt Ion: 64 Resp: 35484

Ion Ratio Lower Upper

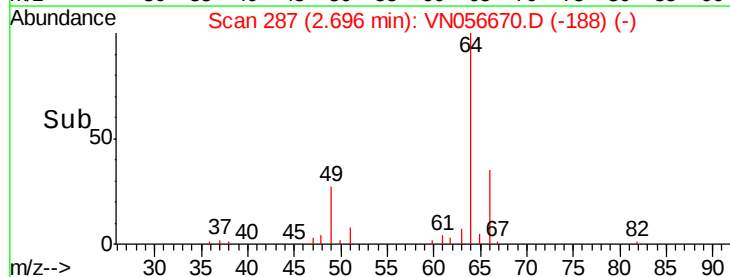
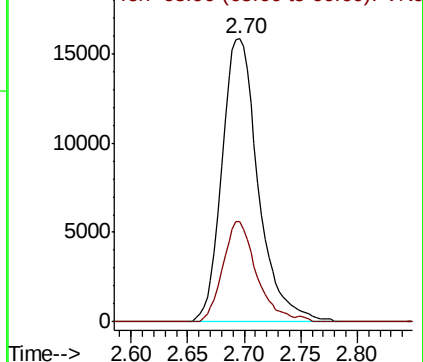
64 100

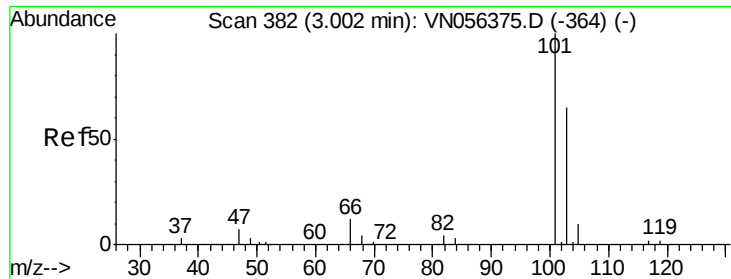
66 35.5 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



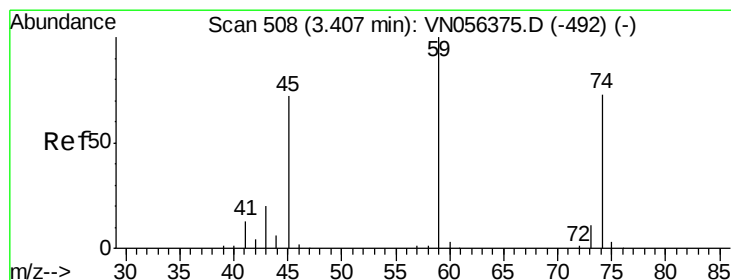
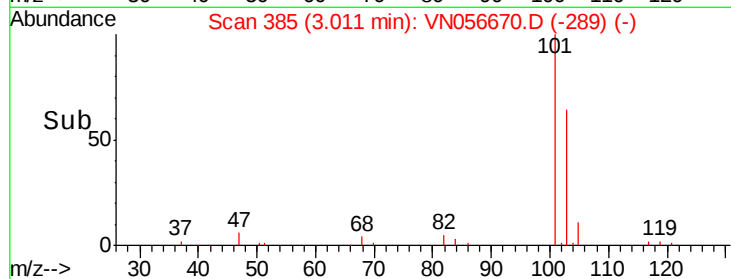
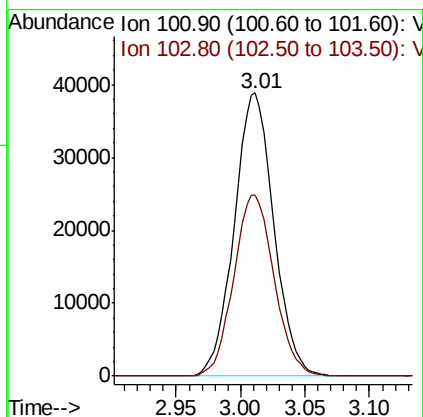
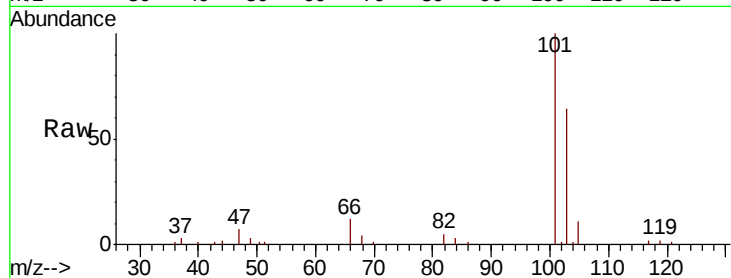


#7

Trichlorofluoromethane
 Concen: 19.862 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Instrument :
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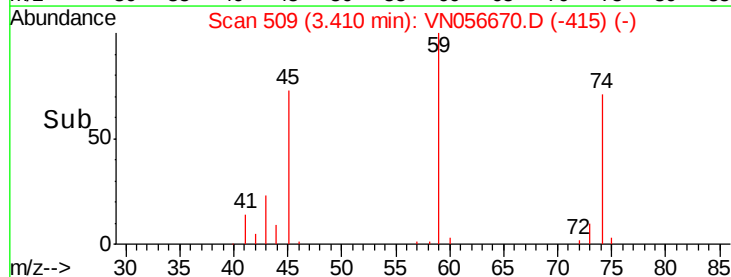
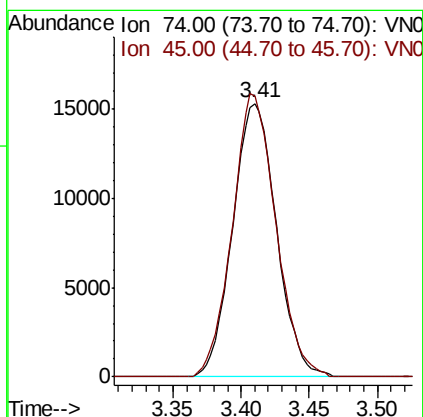
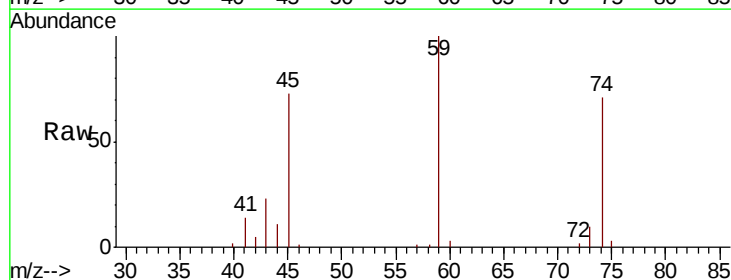
Tot Ion:101 Resp: 82885
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.7 77.5

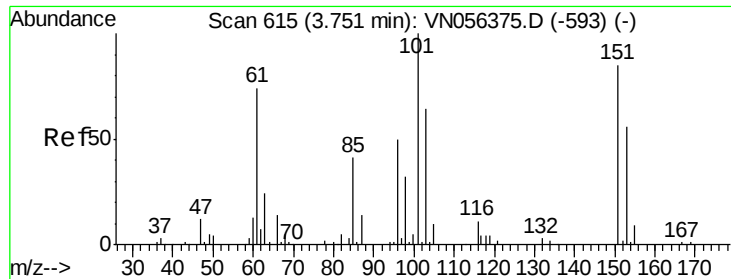


#8

Diethyl Ether
 Concen: 19.318 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion: 74 Resp: 34118
 Ion Ratio Lower Upper
 74 100
 45 102.8 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.035 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

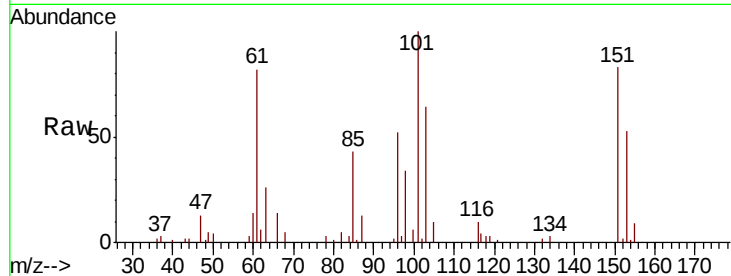
Tot Ion:101 Resp: 53319

Ion Ratio Lower Upper

101 100

85 41.8 32.7 49.1

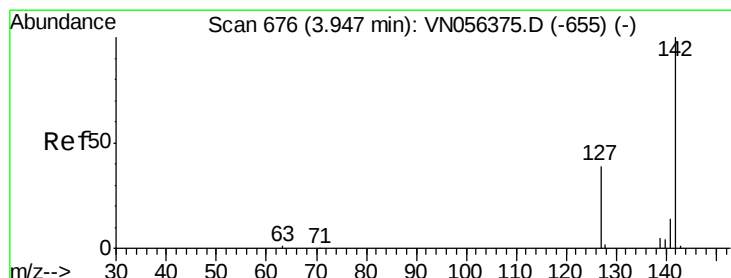
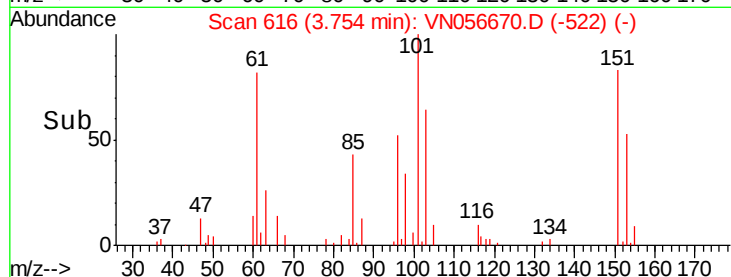
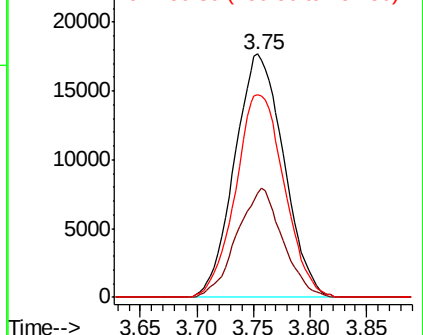
151 82.6 66.8 100.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.244 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

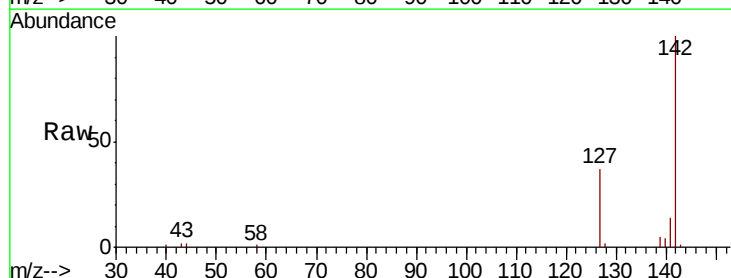
Tgt Ion:142 Resp: 58427

Ion Ratio Lower Upper

142 100

127 39.5 30.6 46.0

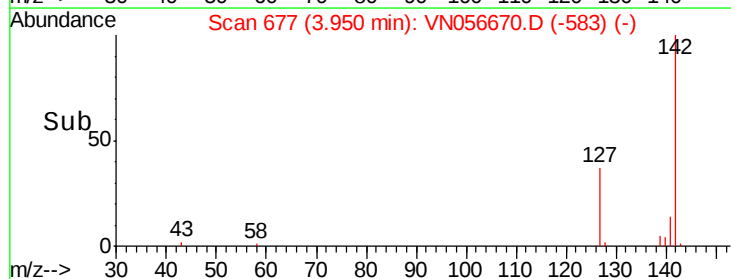
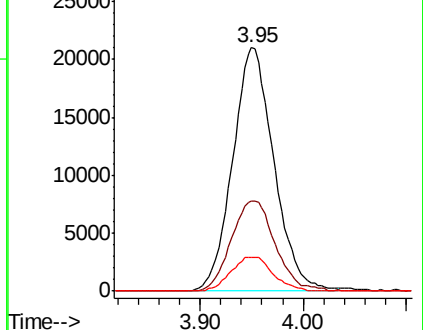
141 14.3 11.4 17.2

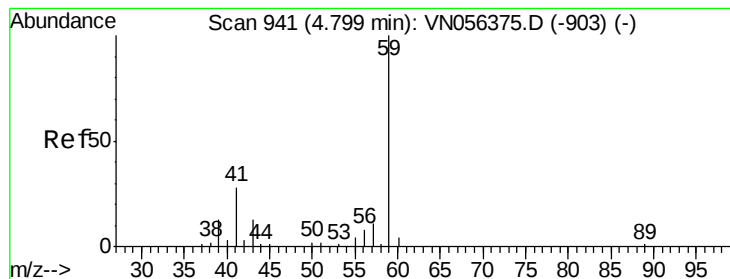


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



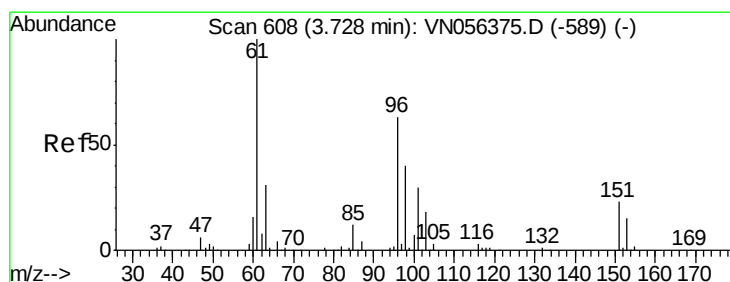
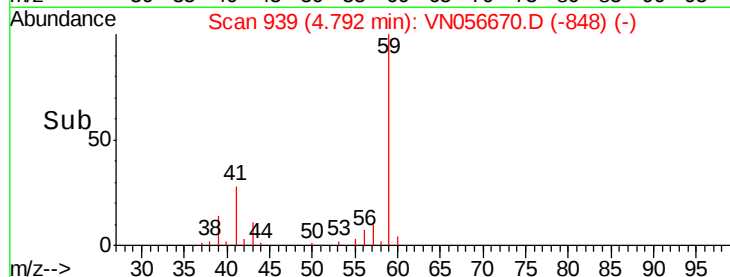
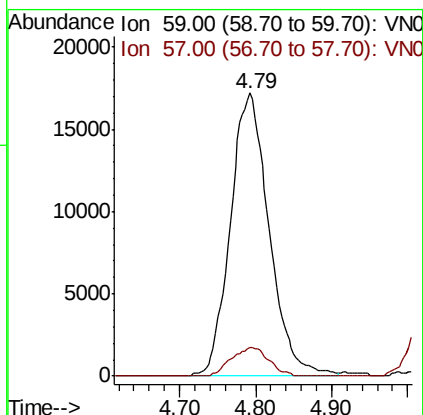
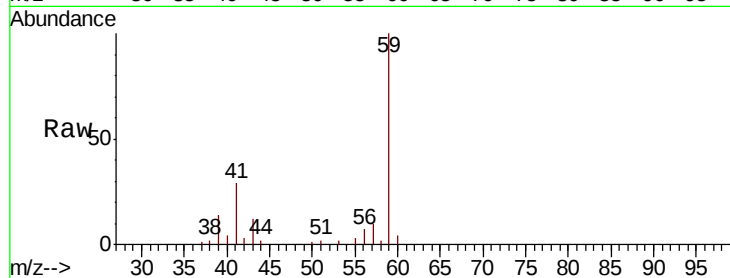


#11

Tert butyl alcohol
 Concen: 112.705 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

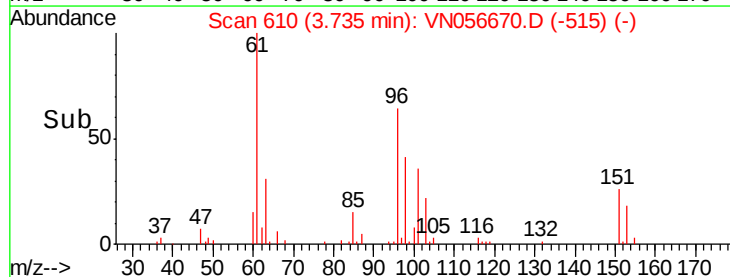
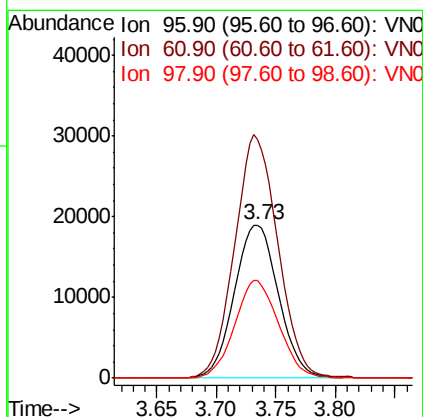
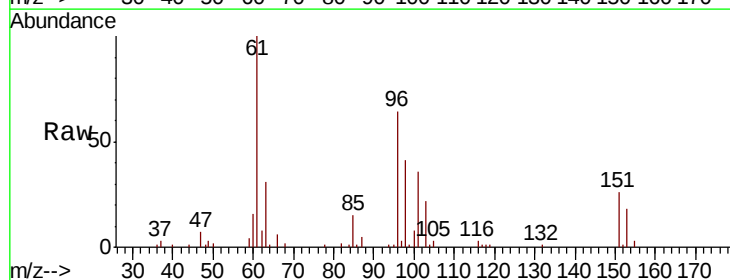
Tot Ion: 59 Resp: 60949
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.6 11.4

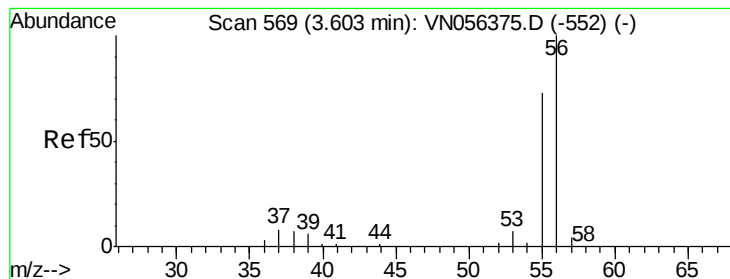


#12

1,1-Dichloroethene
 Concen: 19.056 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion: 96 Resp: 48769
 Ion Ratio Lower Upper
 96 100
 61 156.2 126.6 190.0
 98 63.6 51.1 76.7





#13

Acrolein

Concen: 35.449 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

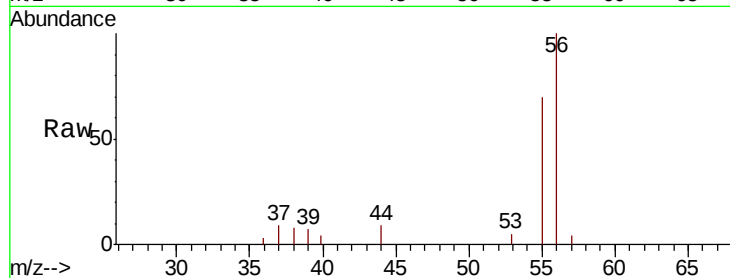
VN0712WBSD01

Tot Ion: 56 Resp: 16157

Ion Ratio Lower Upper

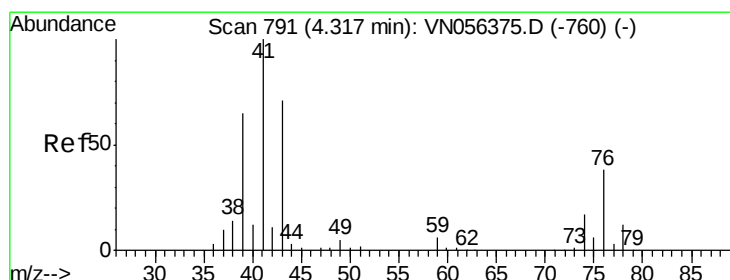
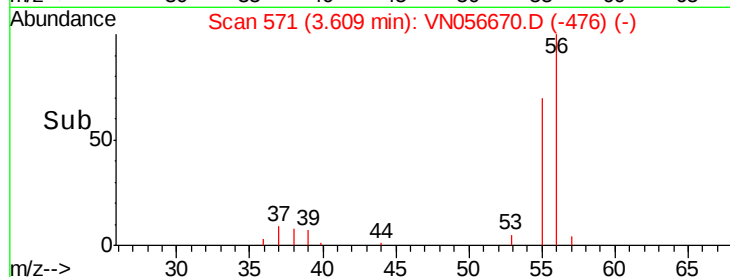
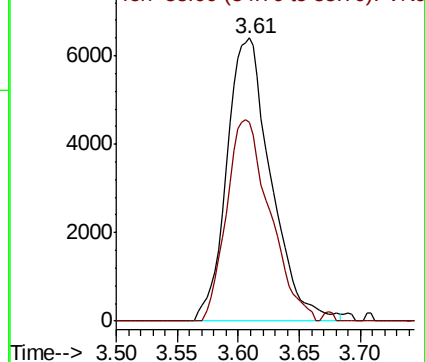
56 100

55 69.9 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.530 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

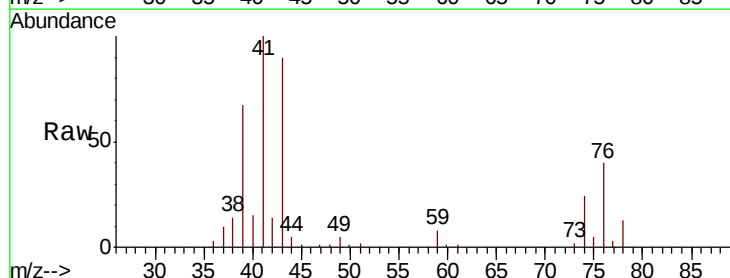
Tgt Ion: 41 Resp: 87463

Ion Ratio Lower Upper

41 100

39 60.4 48.6 73.0

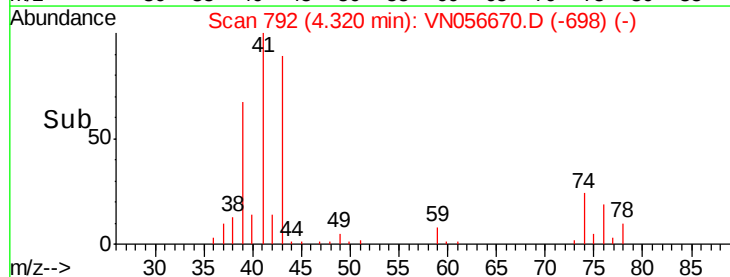
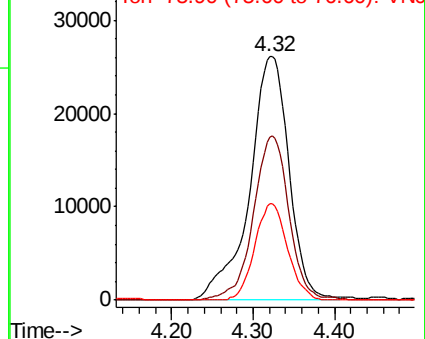
76 32.7 26.6 40.0

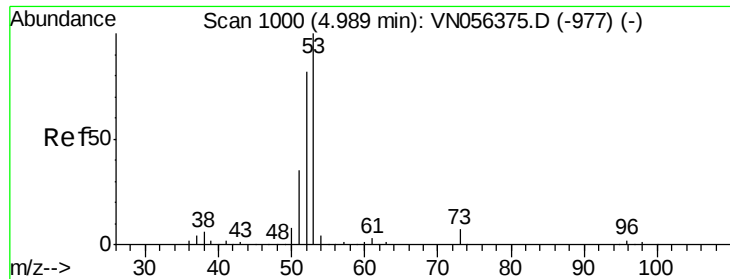


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 112.878 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

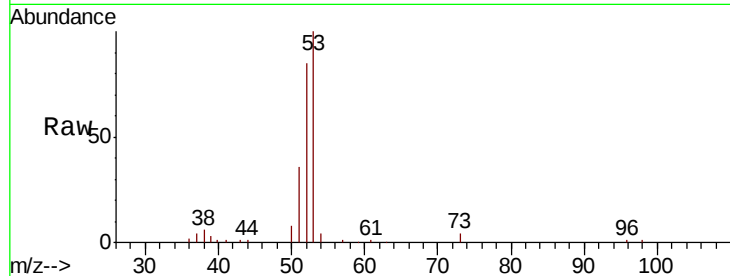
Tot Ion: 53 Resp: 168875

Ion Ratio Lower Upper

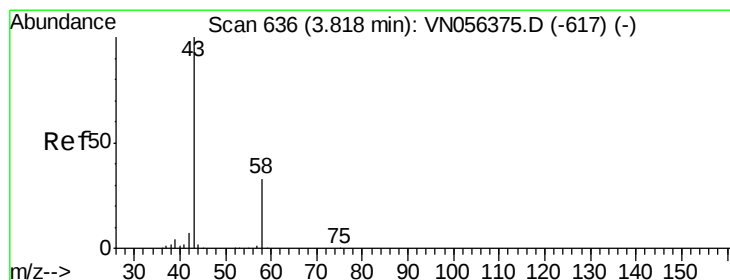
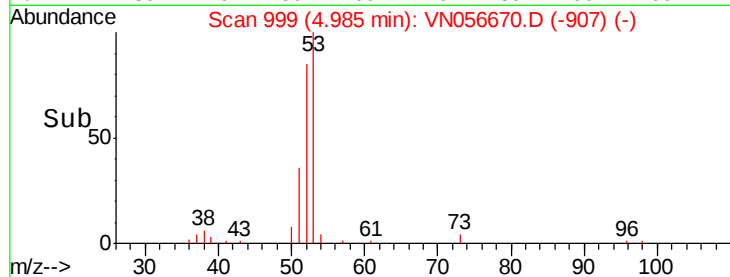
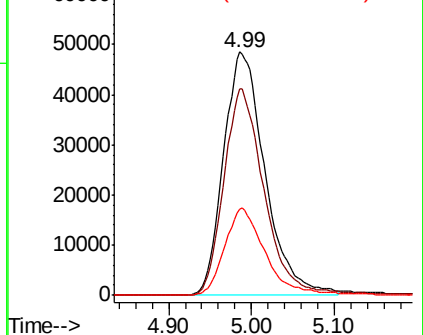
53 100

52 81.0 65.9 98.9

51 34.5 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 88.566 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056670.D

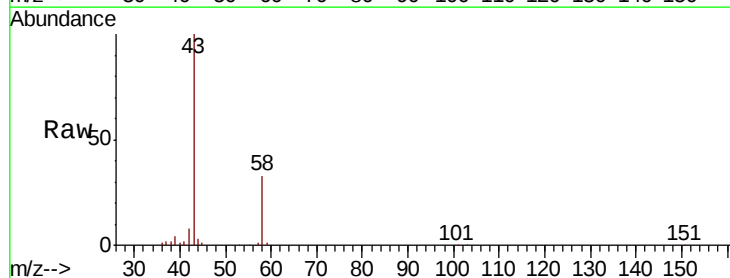
Acq: 11 Jul 2019 17:19

Tgt Ion: 43 Resp: 142473

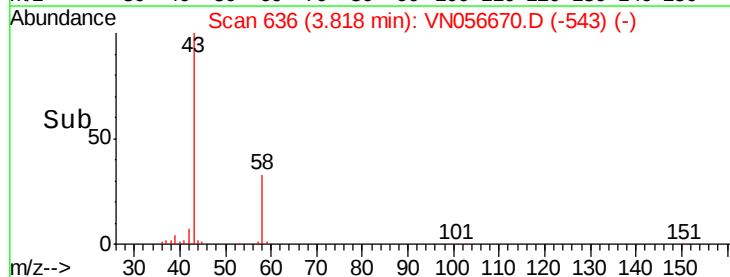
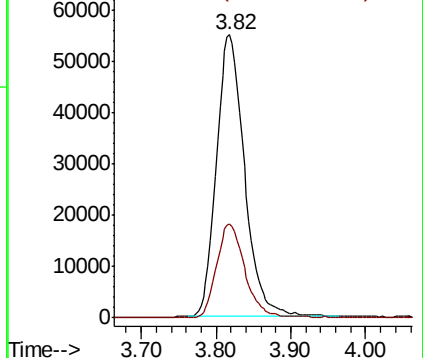
Ion Ratio Lower Upper

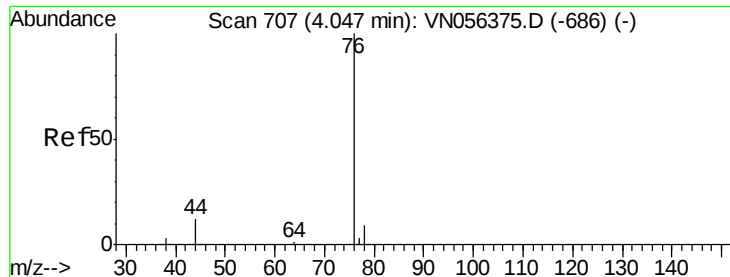
43 100

58 33.3 26.4 39.6



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

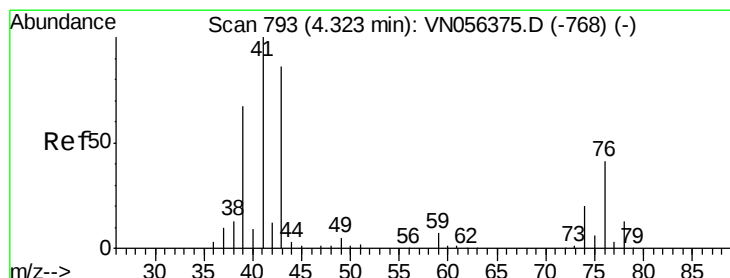
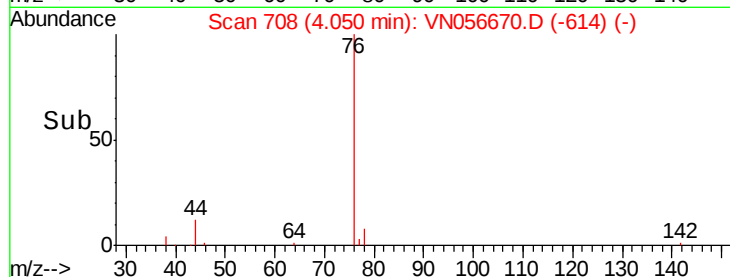
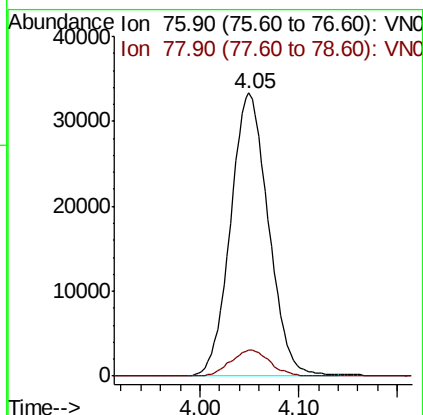
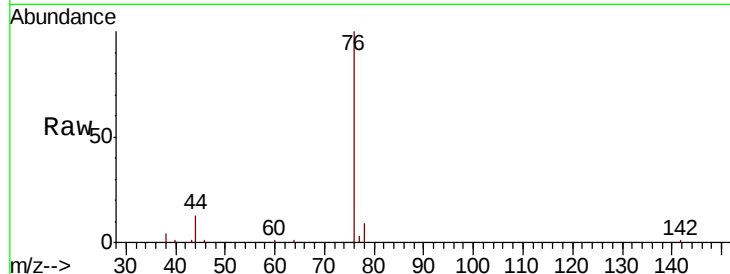




#17
Carbon Disulfide
Concen: 15.267 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

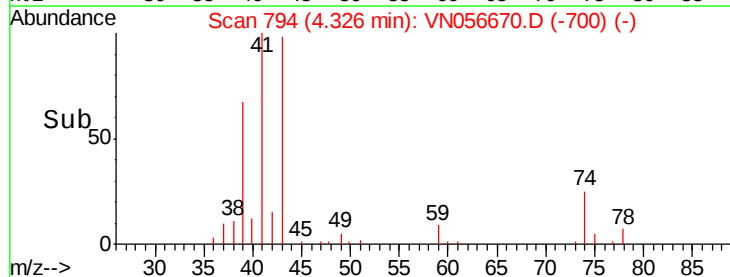
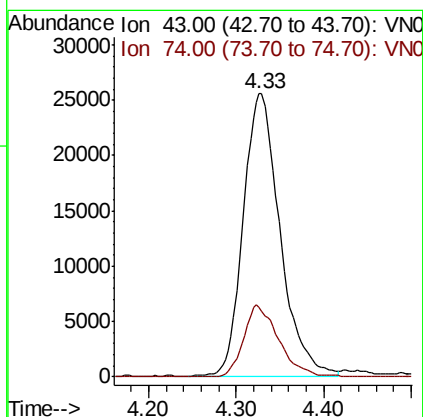
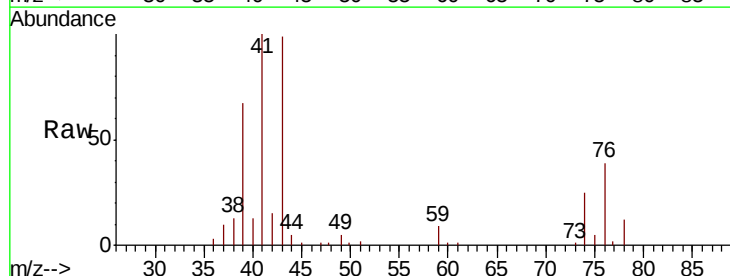
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

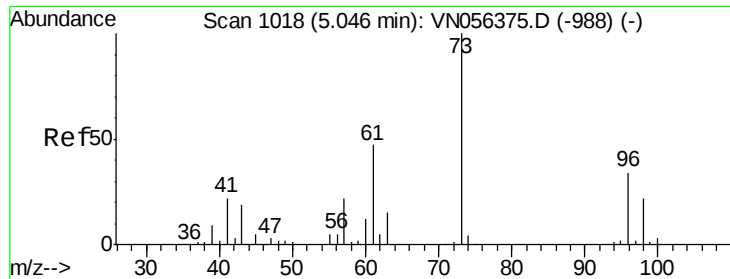
Tot Ion: 76 Resp: 88870
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 23.363 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 43 Resp: 75066
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8

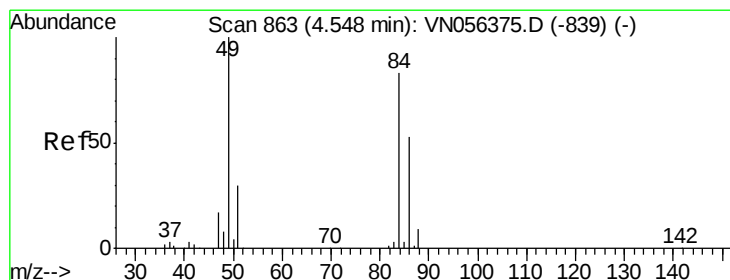
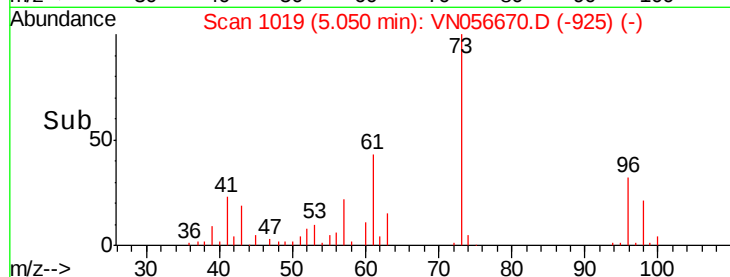
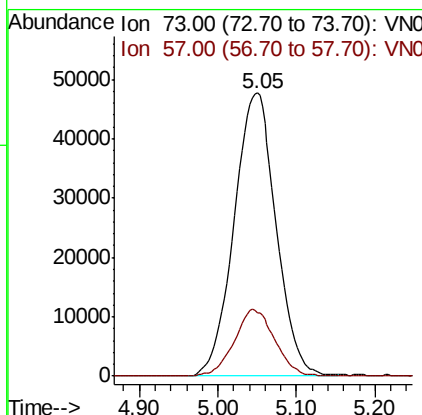
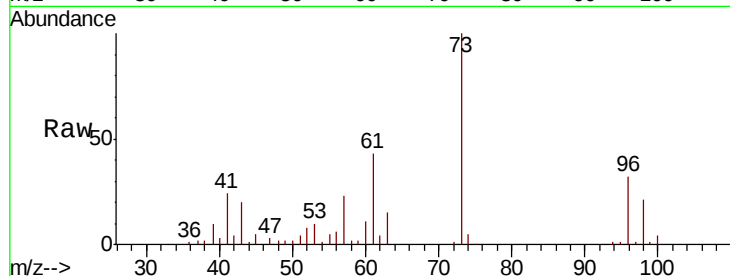




#19
Methyl tert-butyl Ether
Concen: 21.057 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

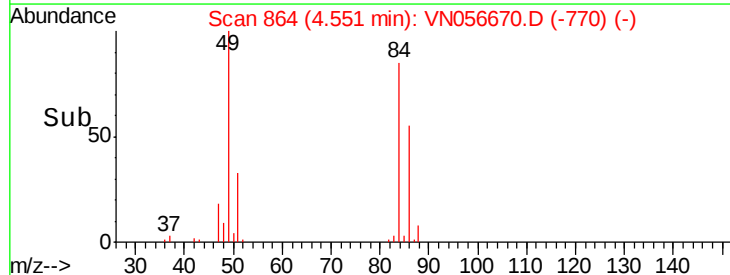
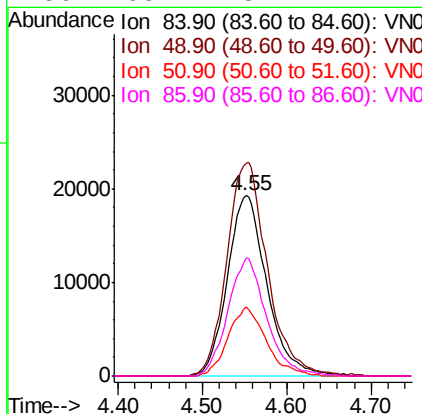
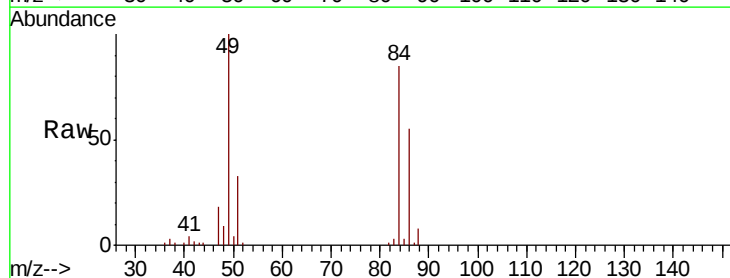
Instrument :
MSVOA_N
ClientSampled :
VN0712WBSD01

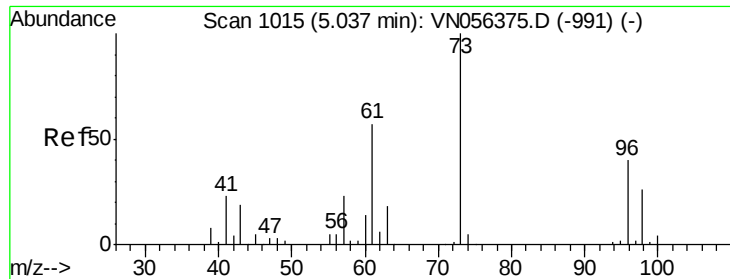
Tot Ion: 73 Resp: 178317
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9



#20
Methylene Chloride
Concen: 20.160 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 84 Resp: 62748
Ion Ratio Lower Upper
84 100
49 118.2 96.4 144.6
51 38.5 28.6 43.0
86 65.2 51.4 77.2

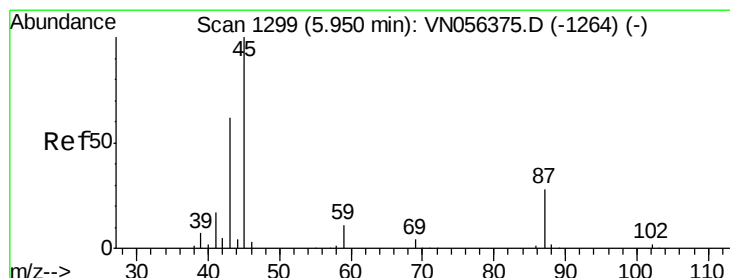
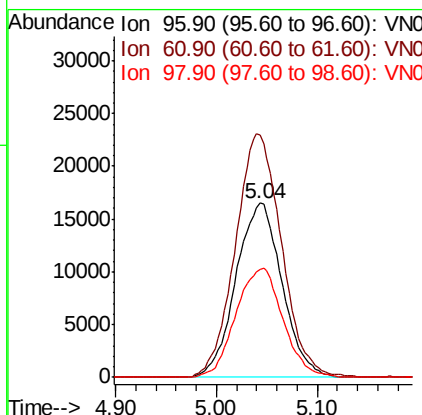
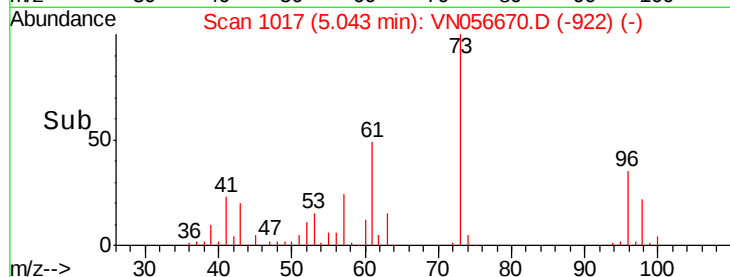
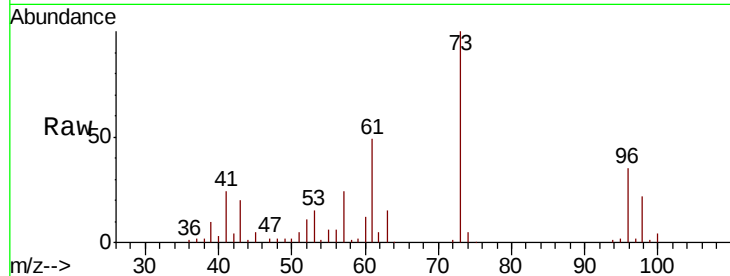




#21
trans-1,2-Dichloroethene
Concen: 18.957 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

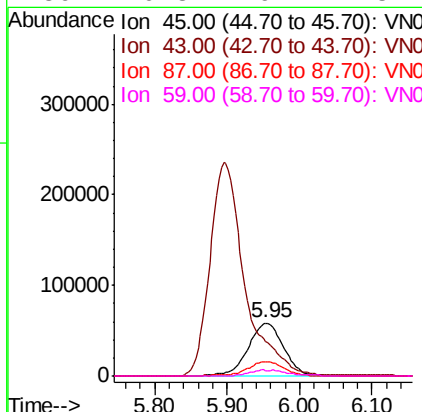
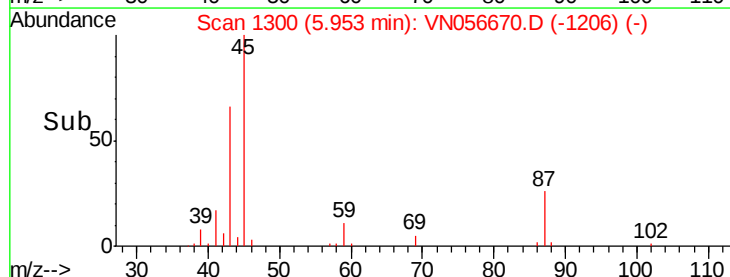
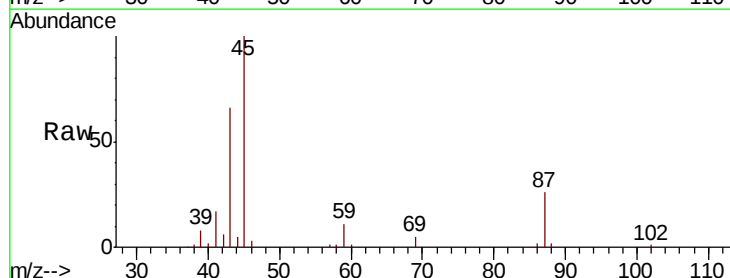
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

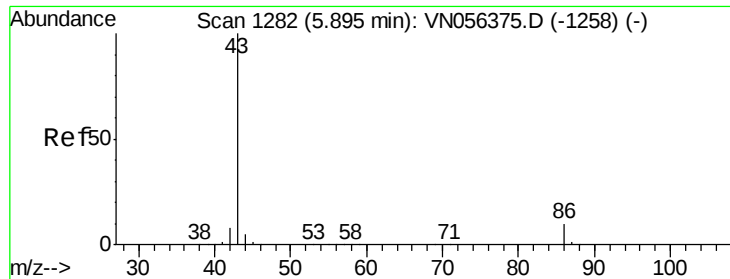
Tot Ion: 96 Resp: 52305
Ion Ratio Lower Upper
96 100
61 139.0 113.0 169.6
98 62.3 52.2 78.2



#22
Diisopropyl ether
Concen: 22.326 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 45 Resp: 199747
Ion Ratio Lower Upper
45 100
43 63.8 50.4 75.6
87 26.2 23.0 34.4
59 10.8 9.1 13.7

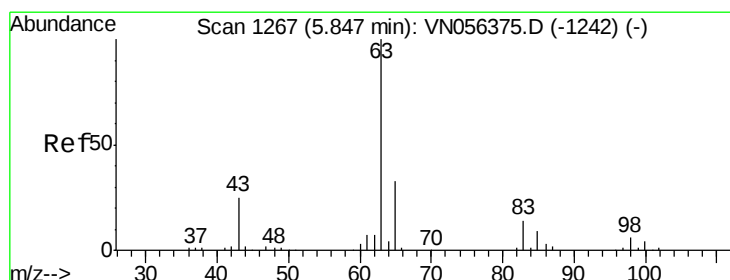
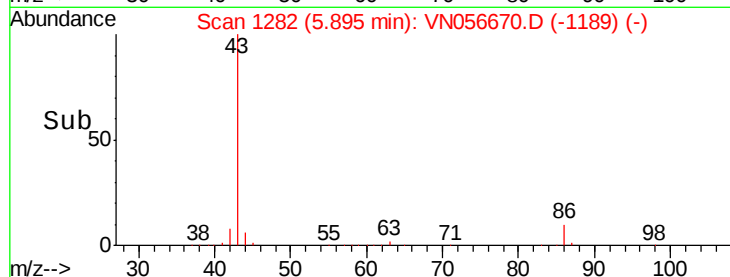
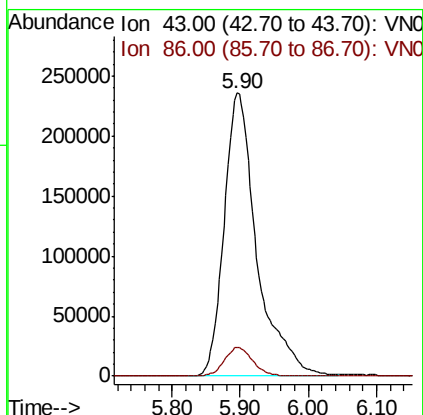
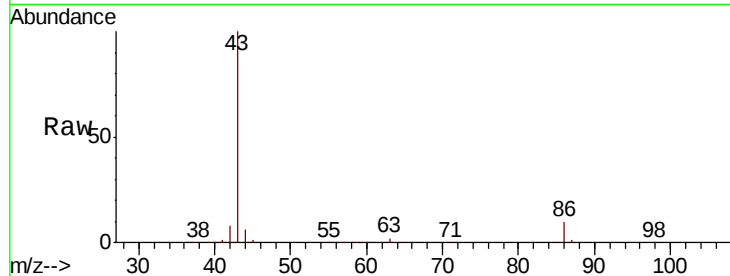




#23
 Vinyl Acetate
 Concen: 111.471 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

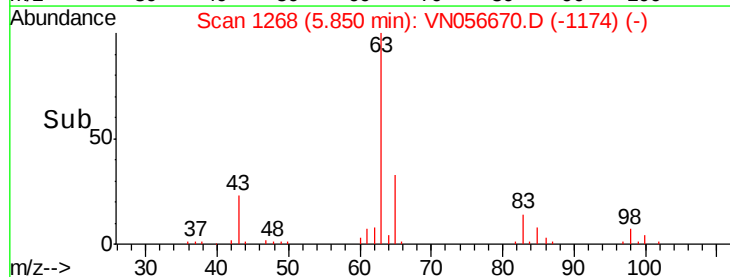
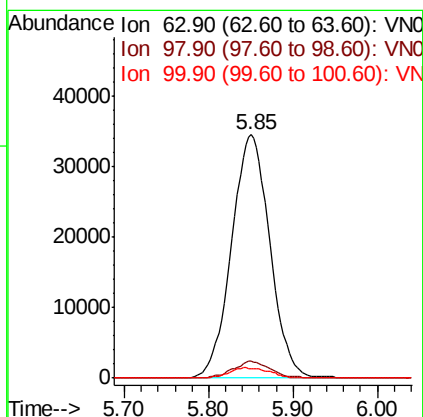
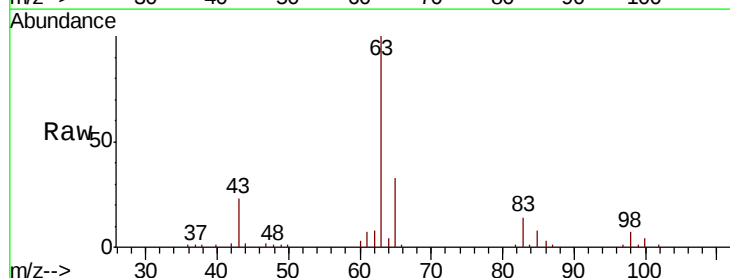
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

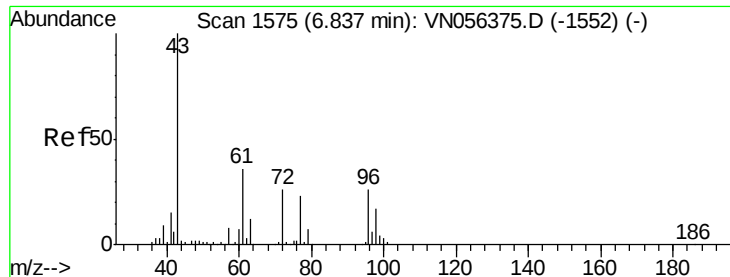
Tot Ion: 43 Resp: 786618
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 21.183 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion: 63 Resp: 108790
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.2 9.6
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 107.075 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

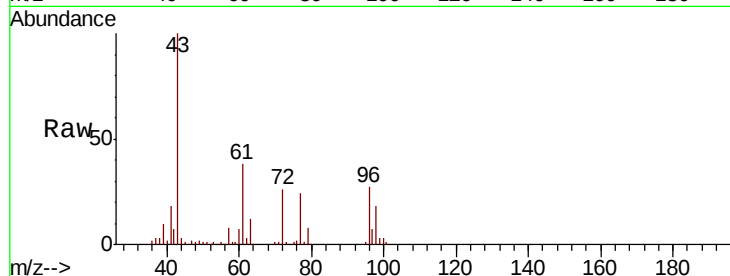
VN0712WBSD01

Tot Ion: 43 Resp: 227972

Ion Ratio Lower Upper

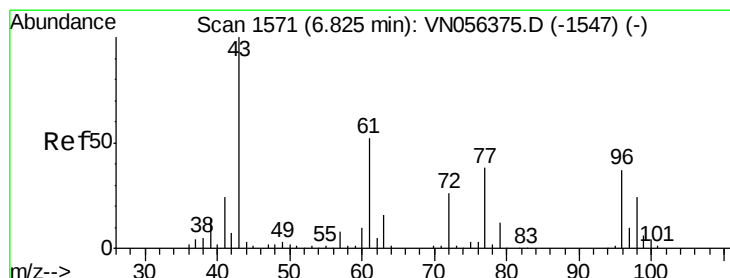
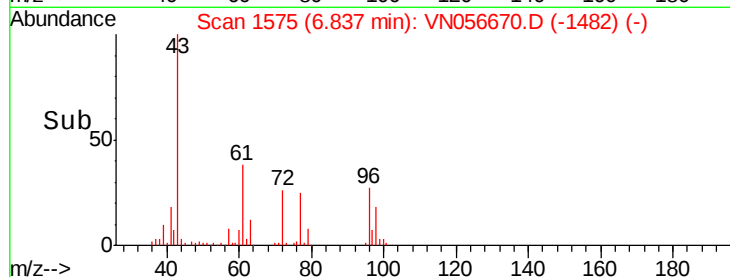
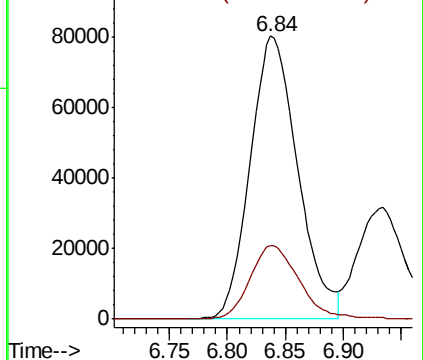
43 100

72 26.0 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.869 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056670.D

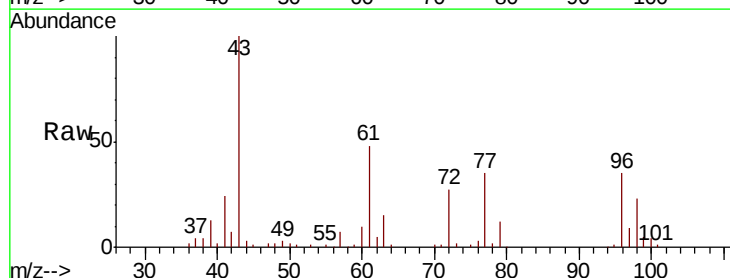
Acq: 11 Jul 2019 17:19

Tgt Ion: 77 Resp: 74543

Ion Ratio Lower Upper

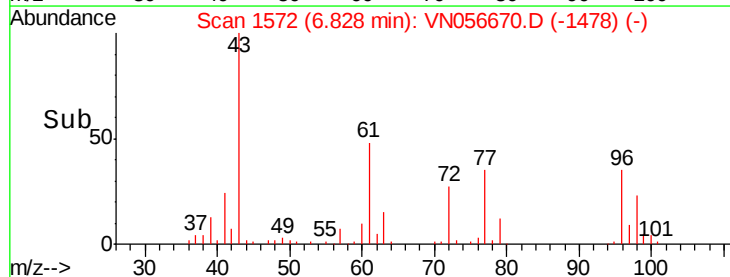
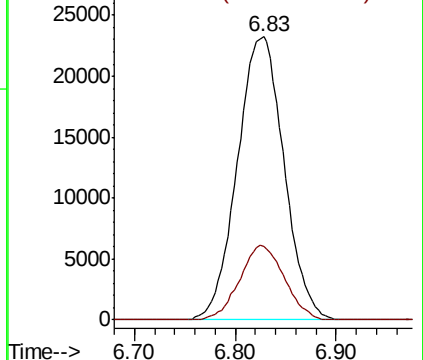
77 100

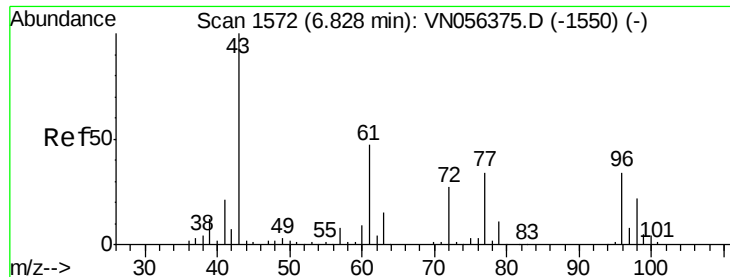
97 25.2 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.595 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

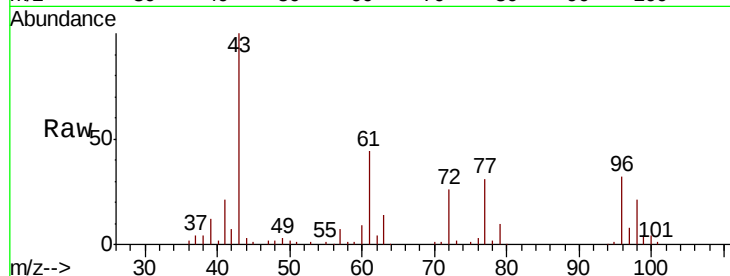
Tot Ion: 96 Resp: 66484

Ion Ratio Lower Upper

96 100

61 140.6 0.0 279.8

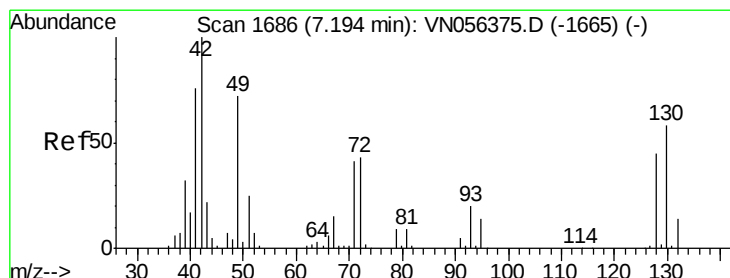
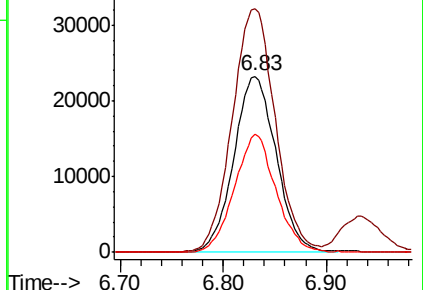
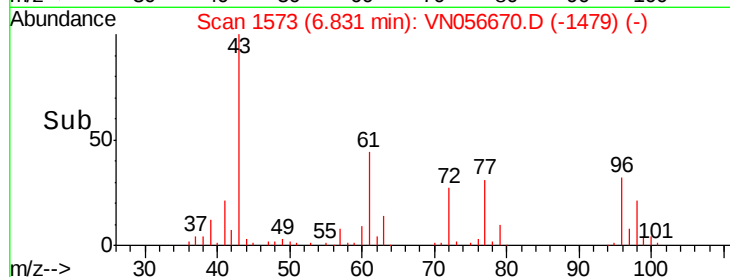
98 65.6 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.380 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

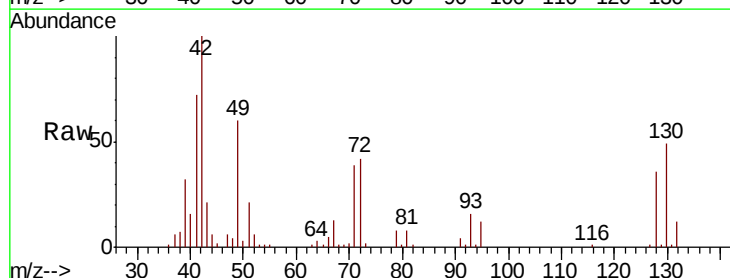
Tgt Ion: 49 Resp: 56853

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.2

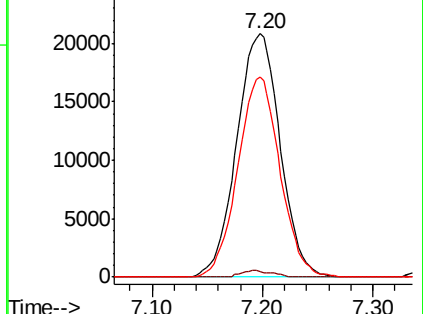
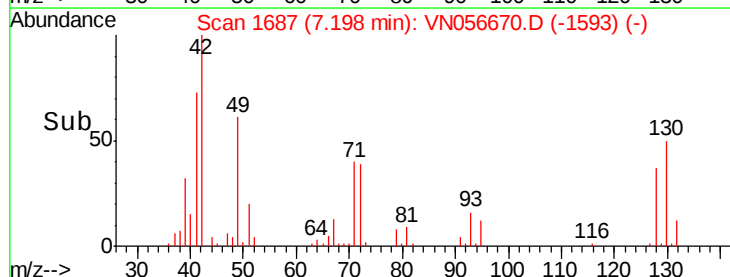
130 79.7 64.9 97.3

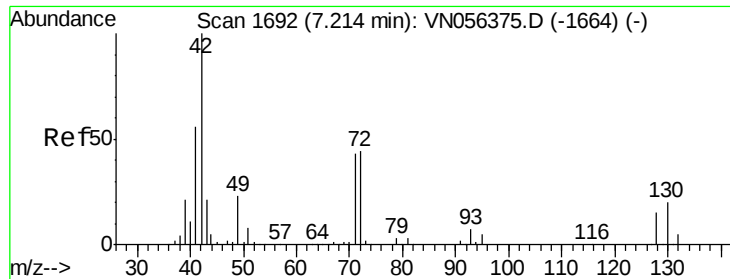


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

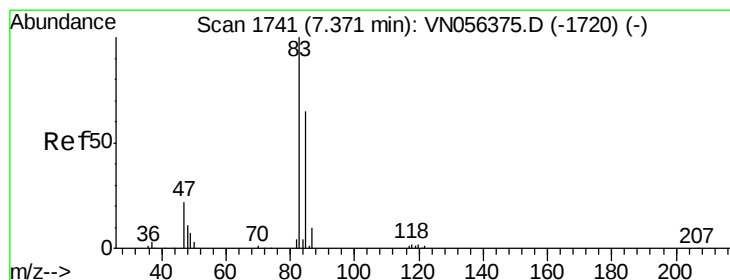
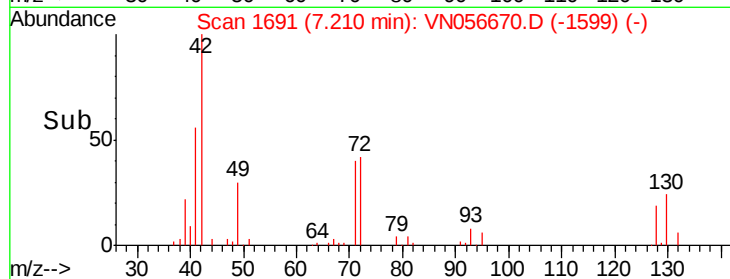
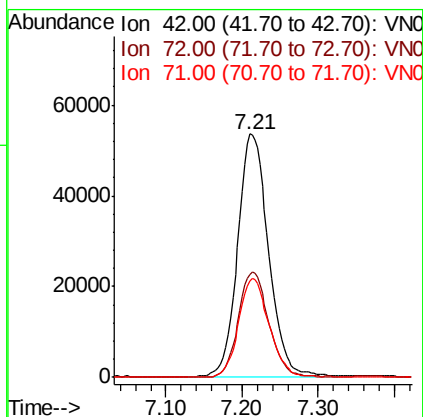
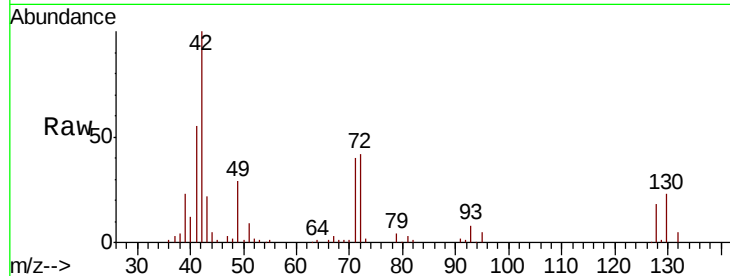




#29
Tetrahydrofuran
Concen: 117.062 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

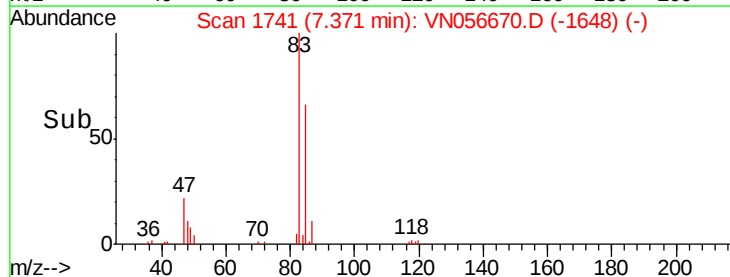
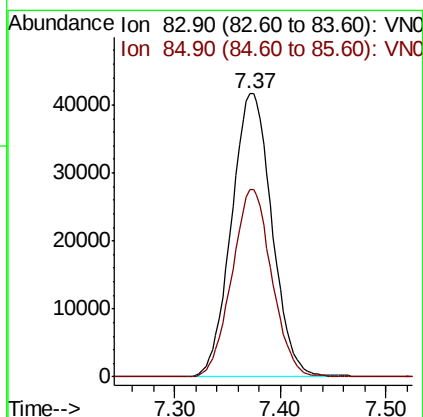
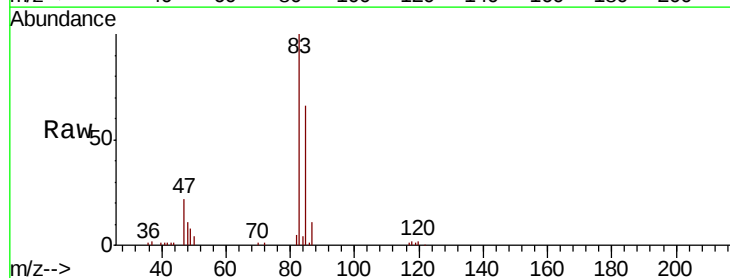
Instrument :
MSVOA_N
ClientSampled :
VN0712WBSD01

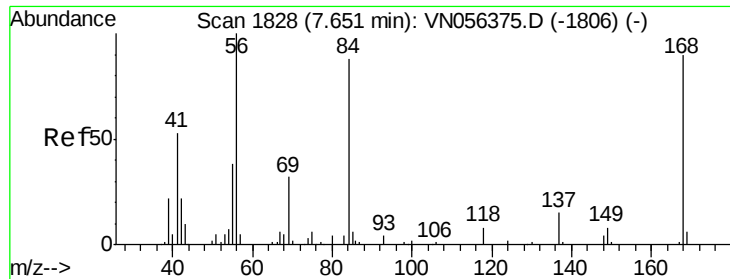
Tot Ion: 42 Resp: 152308
Ion Ratio Lower Upper
42 100
72 42.5 34.7 52.1
71 40.0 33.0 49.6



#30
Chloroform
Concen: 21.900 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 83 Resp: 110987
Ion Ratio Lower Upper
83 100
85 66.3 52.3 78.5

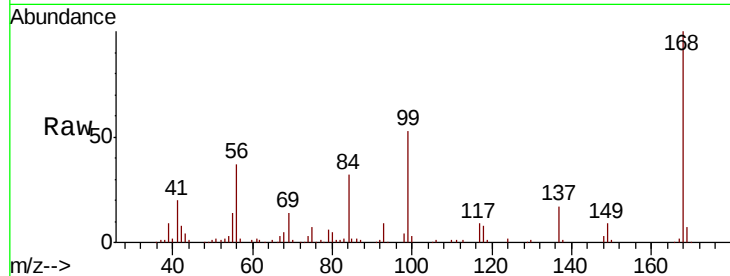




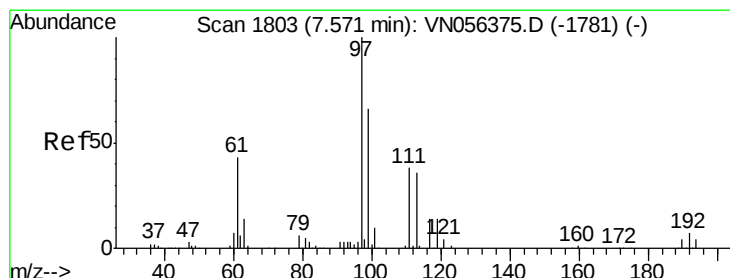
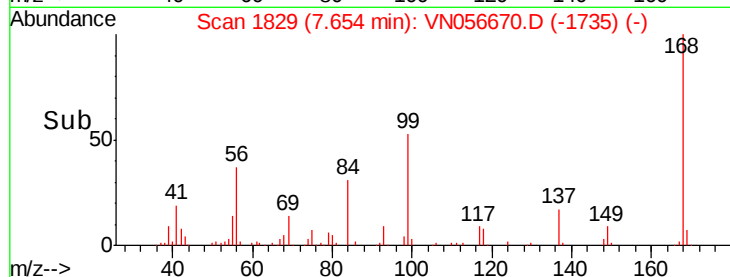
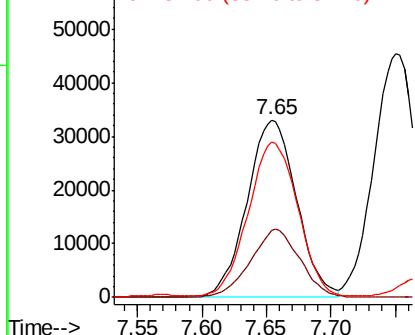
#31
Cyclohexane
Concen: 17.849 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion: 56 Resp: 88498
Ion Ratio Lower Upper
56 100
69 37.5 25.8 38.6
84 86.5 69.4 104.0

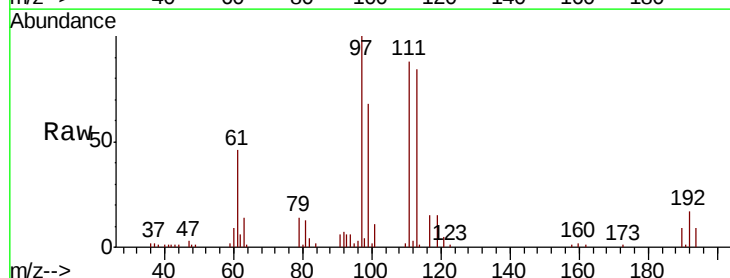


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

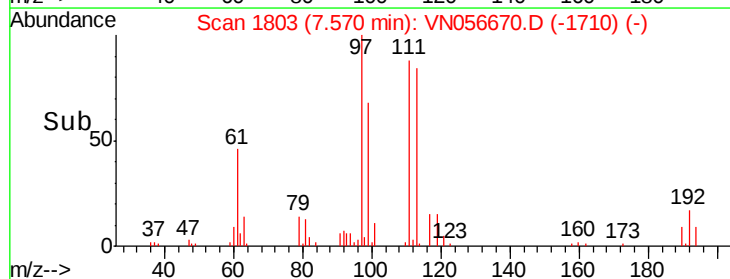
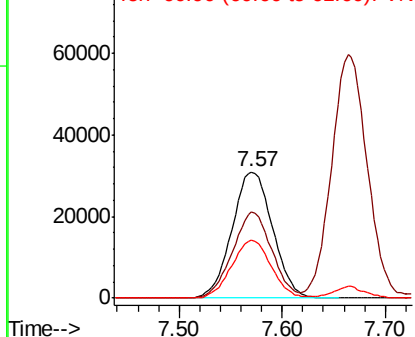


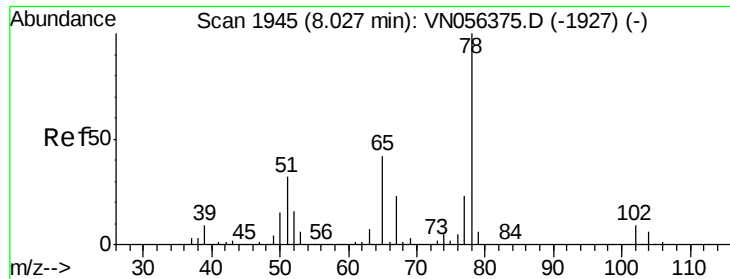
#32
1,1,1-Trichloroethane
Concen: 21.114 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 97 Resp: 84814
Ion Ratio Lower Upper
97 100
99 65.6 51.8 77.6
61 44.6 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

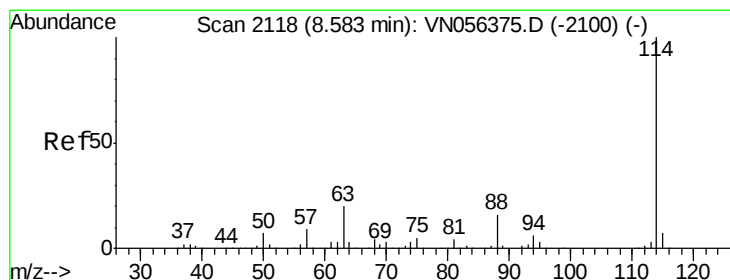
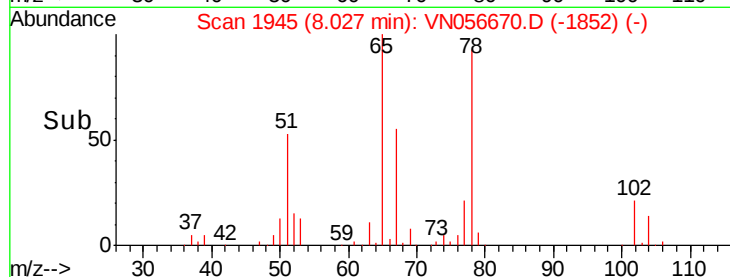
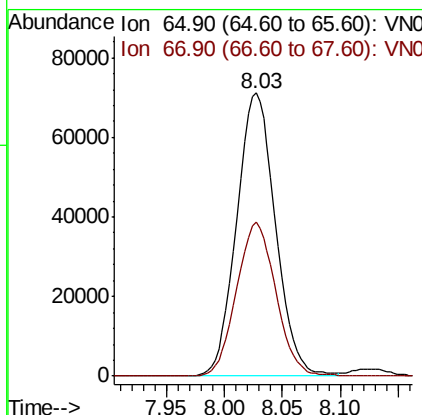
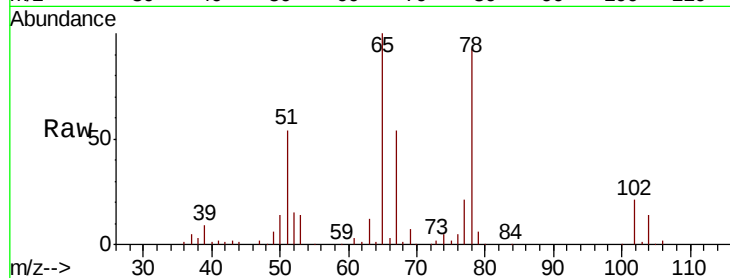




#33
 1,2-Dichloroethane-d4
 Concen: 51.628 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

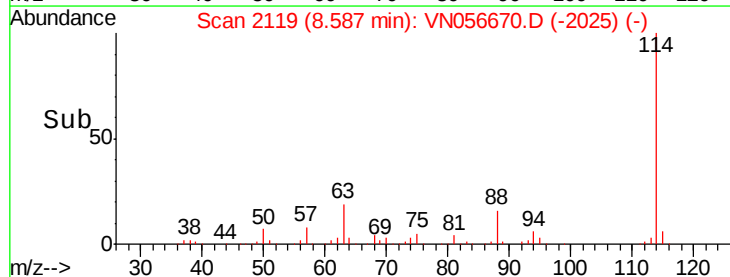
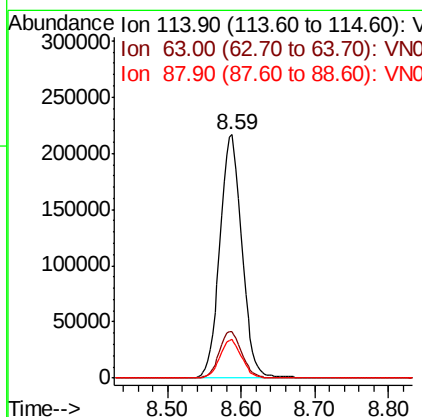
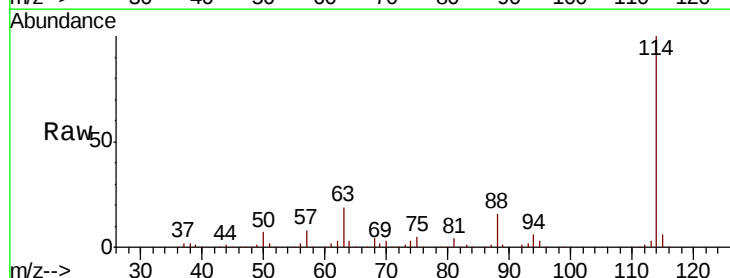
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

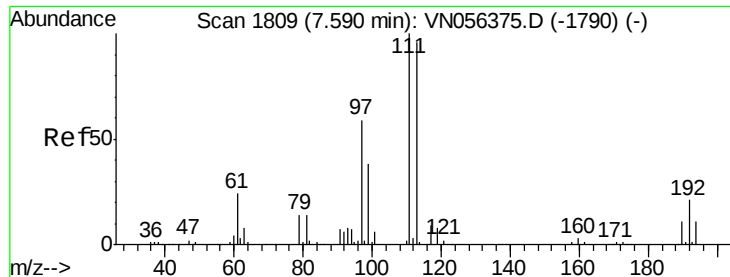
Tot Ion: 65 Resp: 165767
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion: 114 Resp: 451190
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.263 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

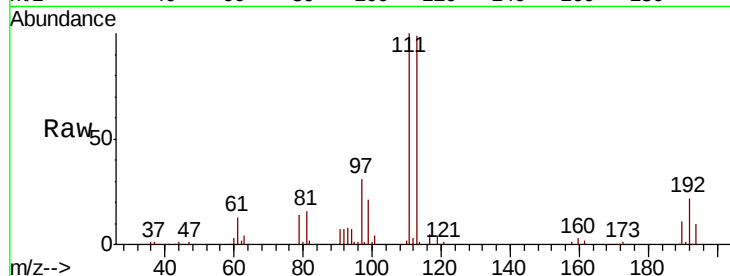
Tot Ion:113 Resp: 144288

Ion Ratio Lower Upper

113 100

111 101.6 82.9 124.3

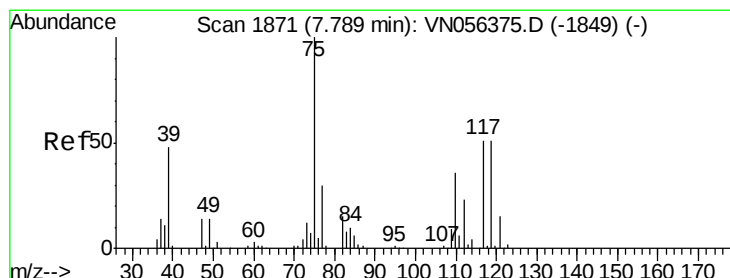
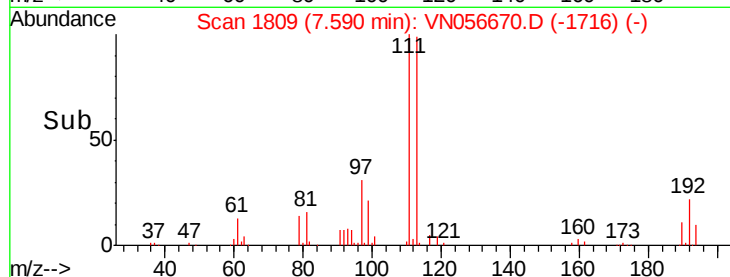
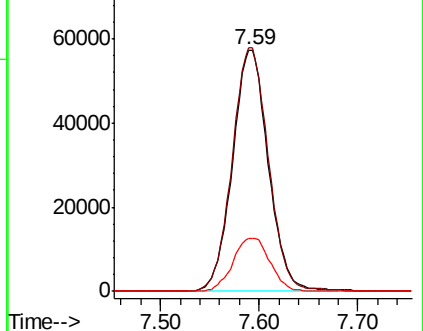
192 22.8 17.7 26.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.472 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

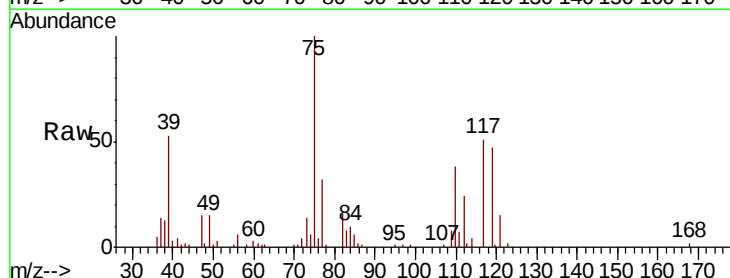
Tgt Ion: 75 Resp: 73357

Ion Ratio Lower Upper

75 100

110 37.3 18.1 54.3

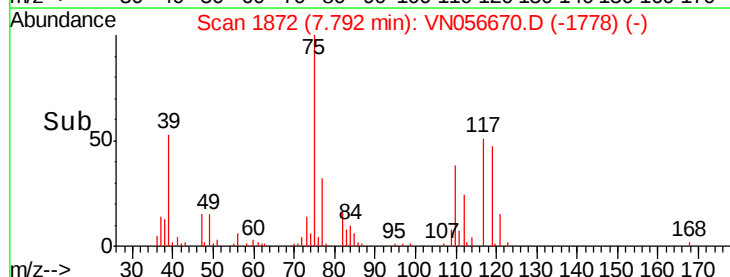
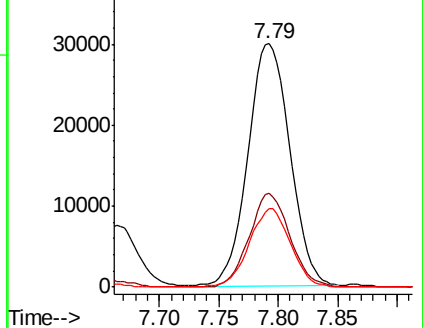
77 31.8 24.6 36.8

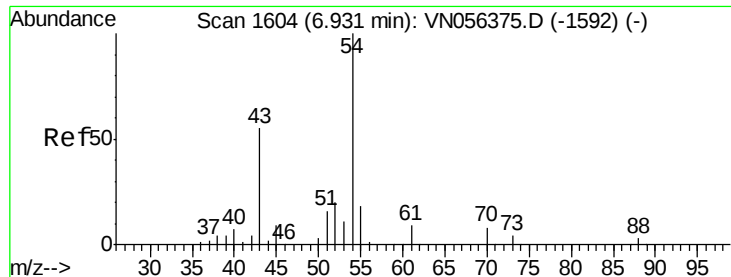


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

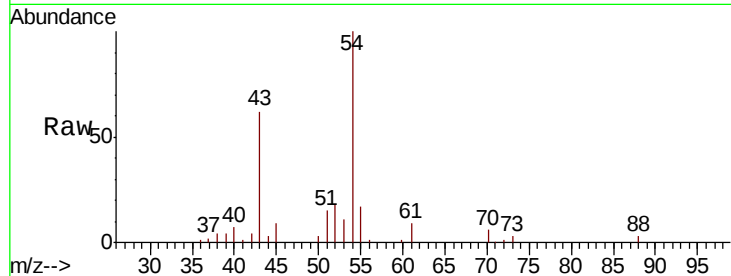




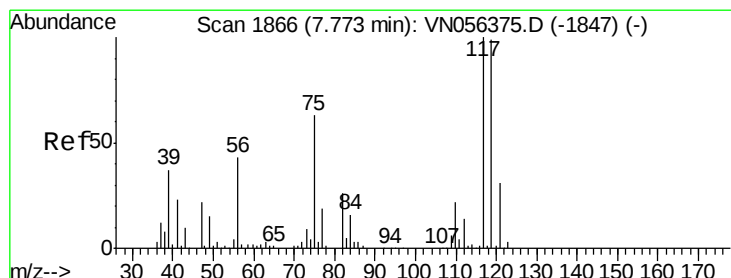
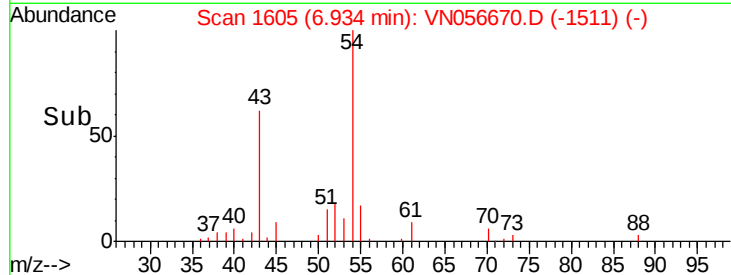
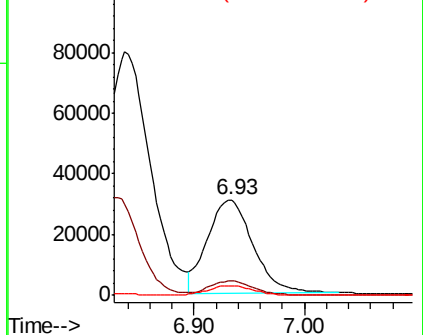
#37
Ethyl Acetate
Concen: 22.800 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampled :
VN0712WBSD01

Tot Ion: 43 Resp: 88981
Ion Ratio Lower Upper
43 100
61 15.3 11.1 16.7
70 10.3 8.3 12.5

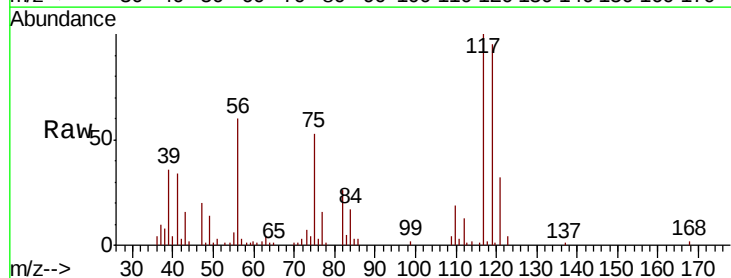


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

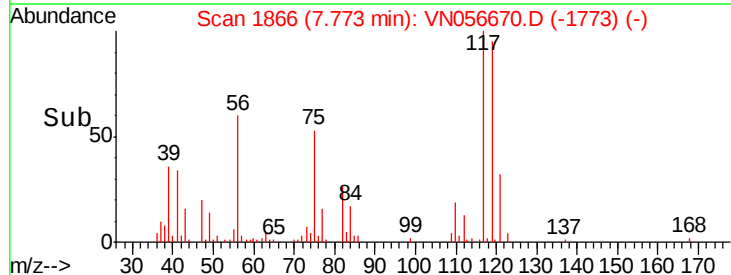
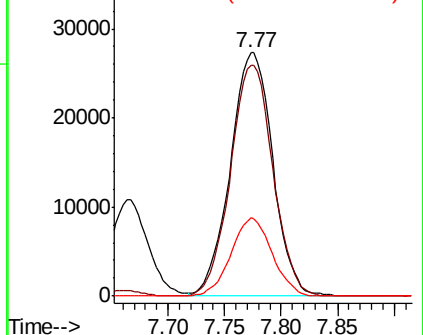


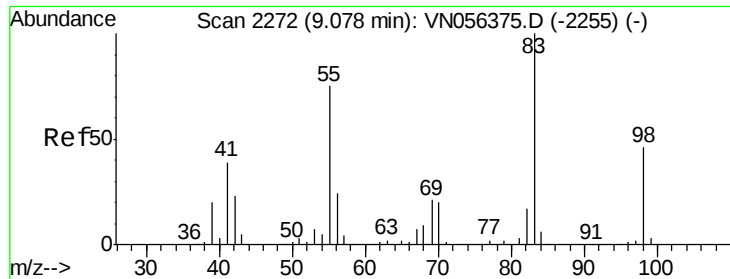
#38
Carbon Tetrachloride
Concen: 20.569 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 117 Resp: 71433
Ion Ratio Lower Upper
117 100
119 95.1 79.1 118.7
121 32.2 24.8 37.2



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

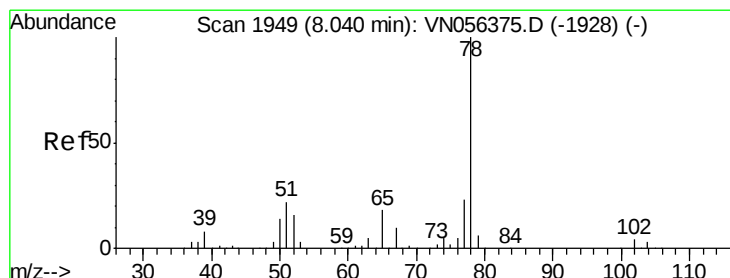
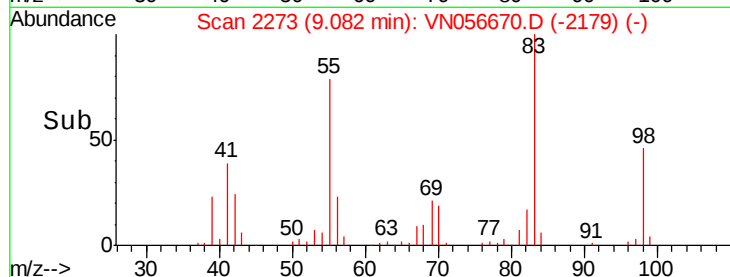
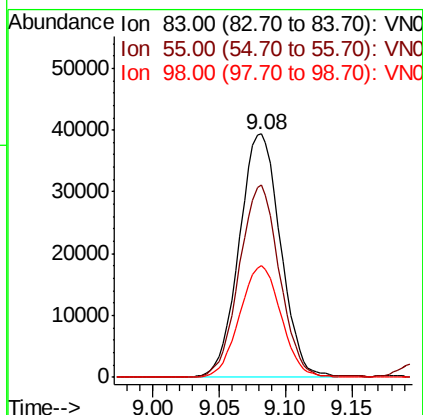
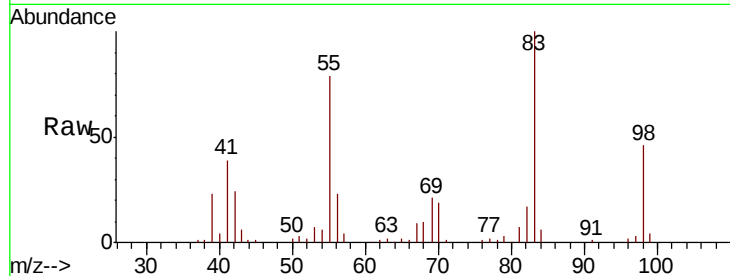




#39
Methvlcvclohexane
Concen: 17.395 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

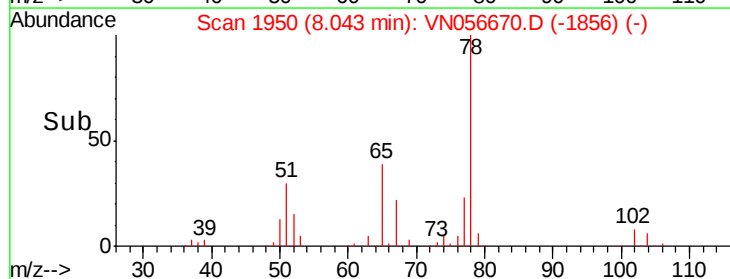
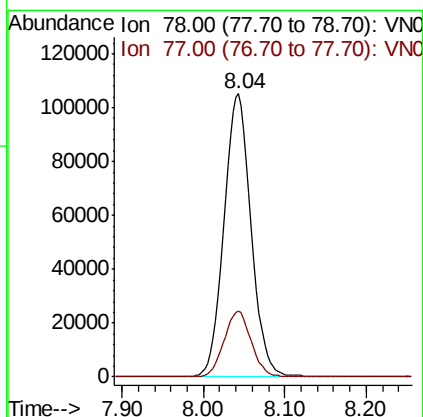
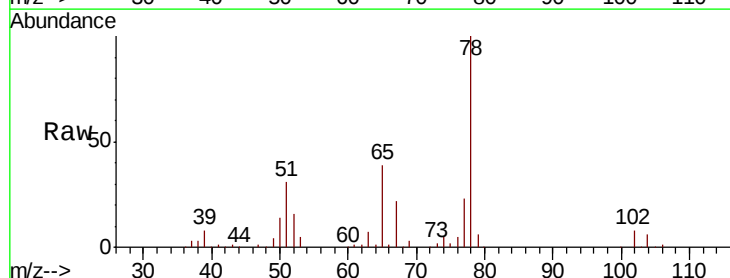
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

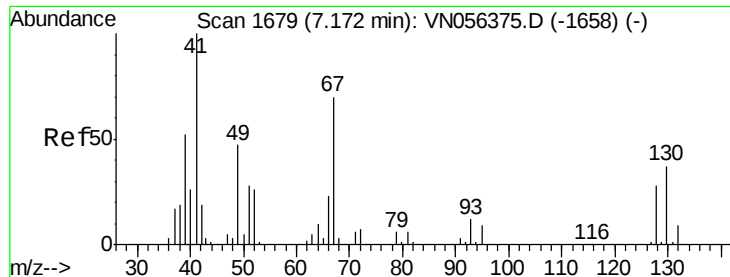
Tot Ion: 83 Resp: 85238
Ion Ratio Lower Upper
83 100
55 79.1 60.0 90.0
98 46.2 36.6 54.8



#40
Benzene
Concen: 20.123 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 78 Resp: 245814
Ion Ratio Lower Upper
78 100
77 23.2 18.3 27.5

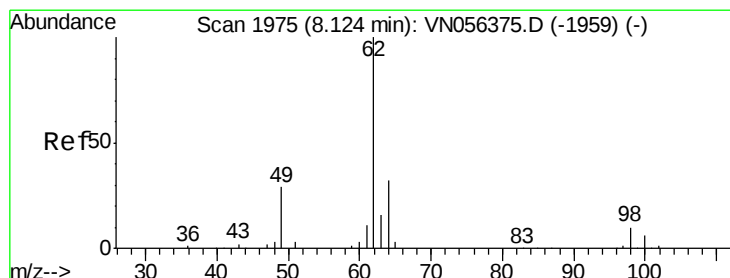
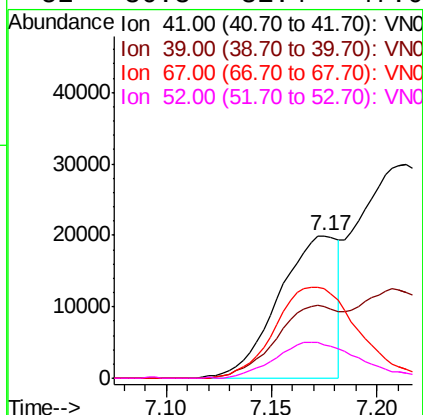
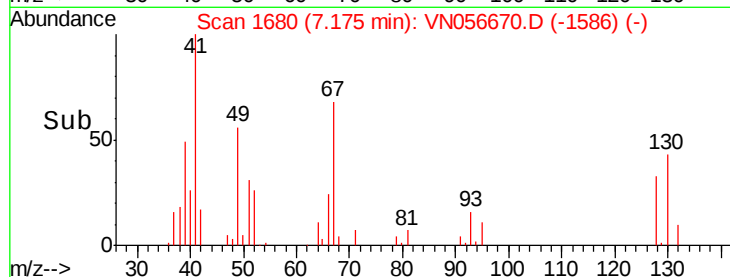
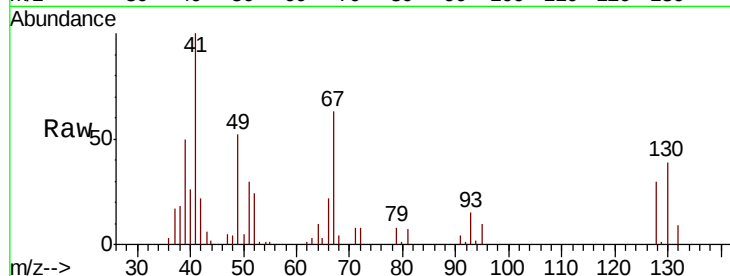




#41
Methacrylonitrile
Concen: 22.547 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

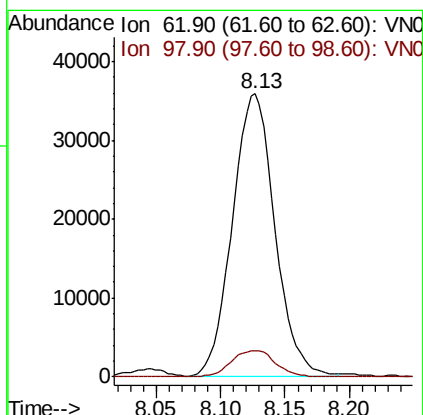
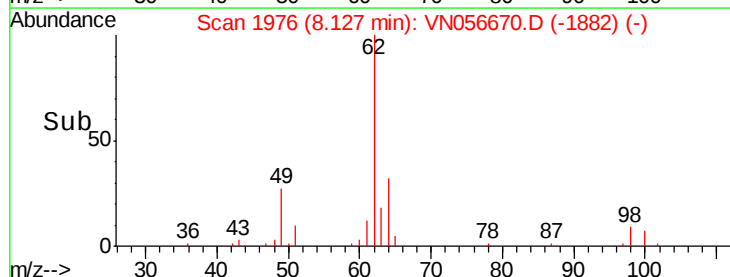
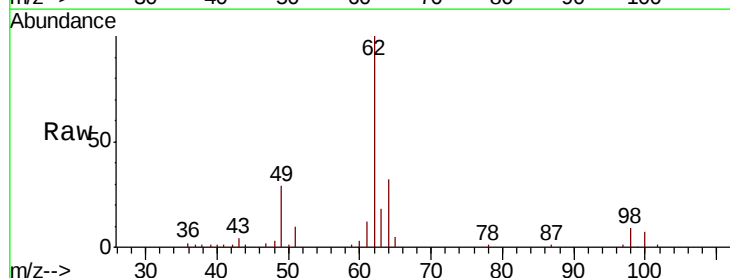
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

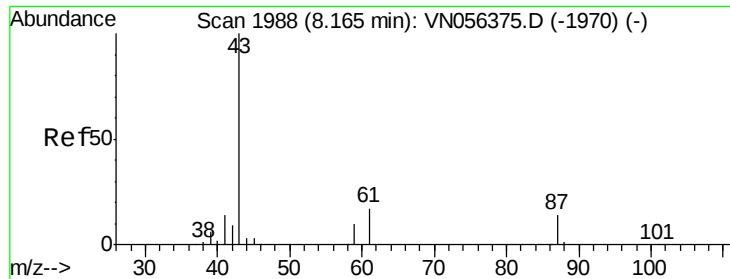
Tot Ion:	41	Resp:	38857
Ion	Ratio	Lower	Upper
41	100		
39	56.8	55.3	82.9
67	91.2	79.2	118.8
52	36.3	31.4	47.0



#42
1,2-Dichloroethane
Concen: 20.471 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion:	62	Resp:	82529
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4

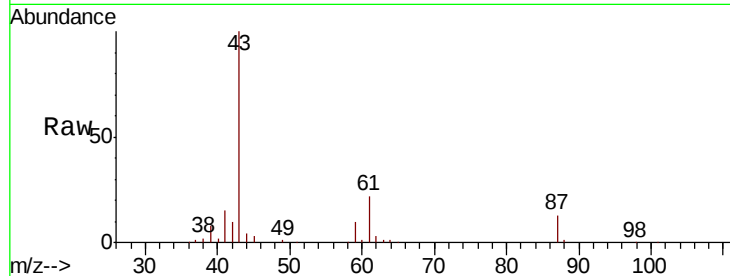




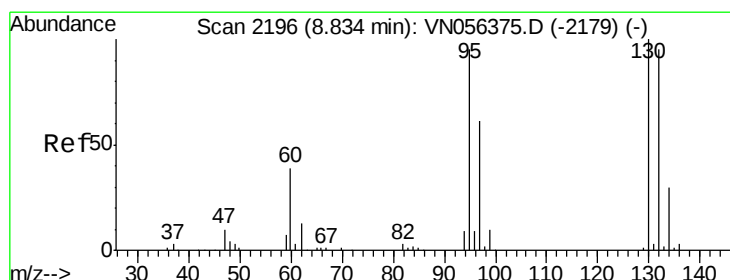
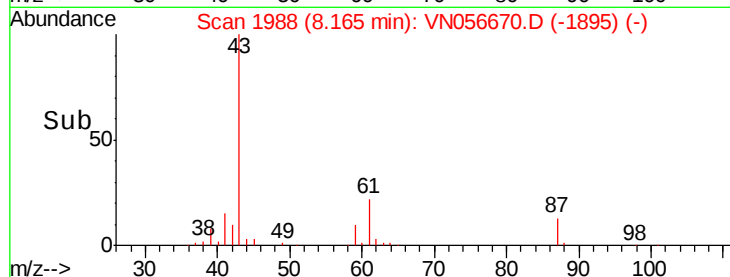
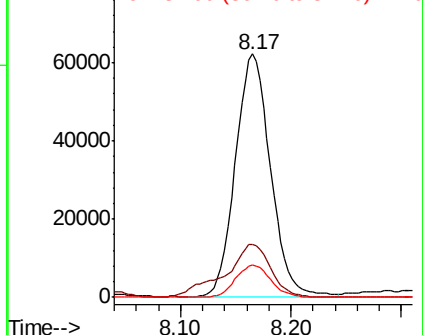
#43
Isopropyl Acetate
Concen: 22.686 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion: 43 Resp: 136525
Ion Ratio Lower Upper
43 100
61 28.6 22.0 33.0
87 13.3 11.0 16.4

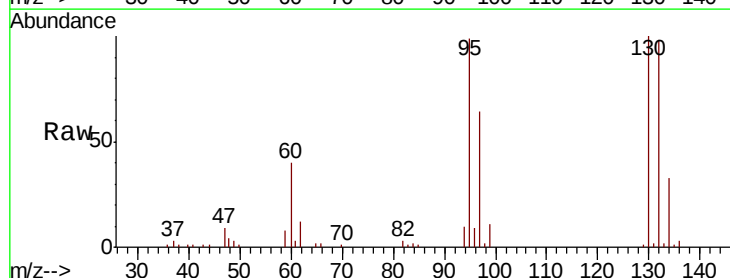


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

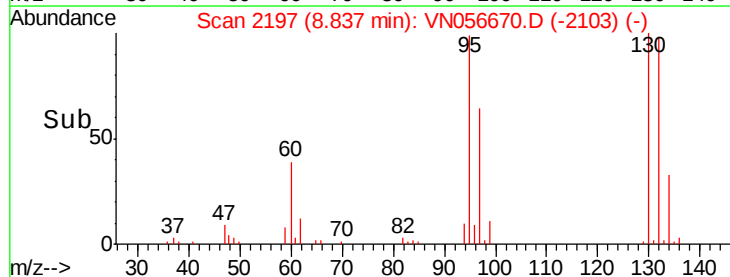
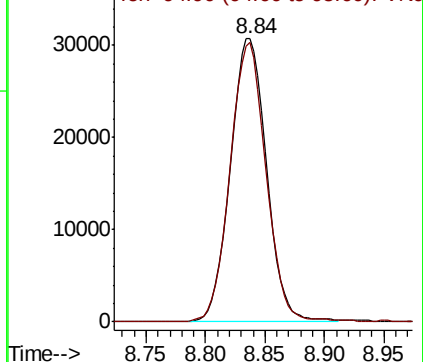


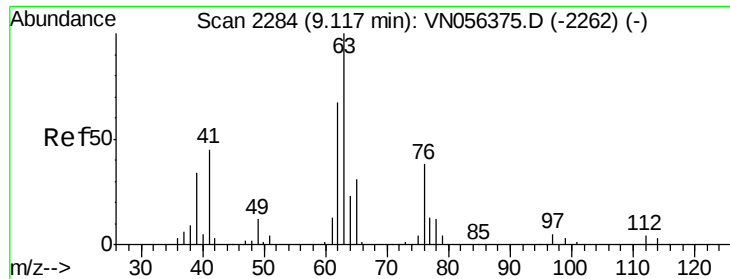
#44
Trichloroethene
Concen: 19.693 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion:130 Resp: 64801
Ion Ratio Lower Upper
130 100
95 98.9 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

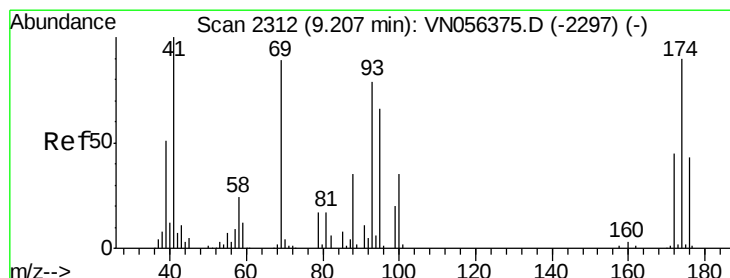
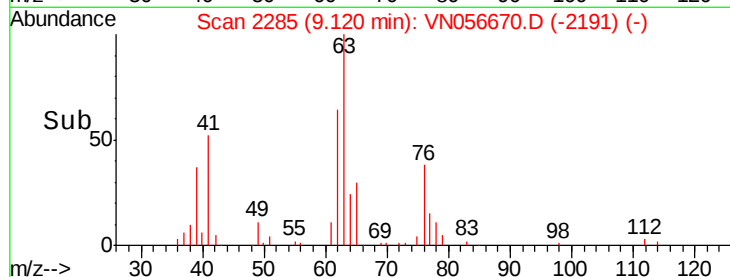
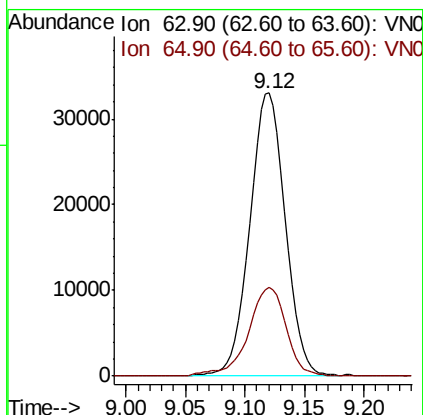
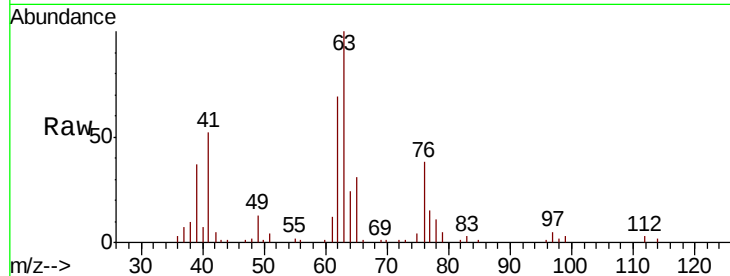




#45
 1,2-Dichloropropane
 Concen: 20.949 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

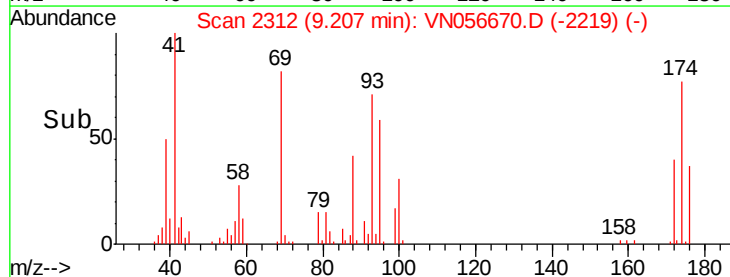
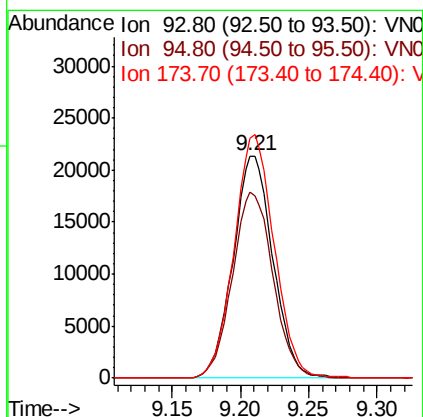
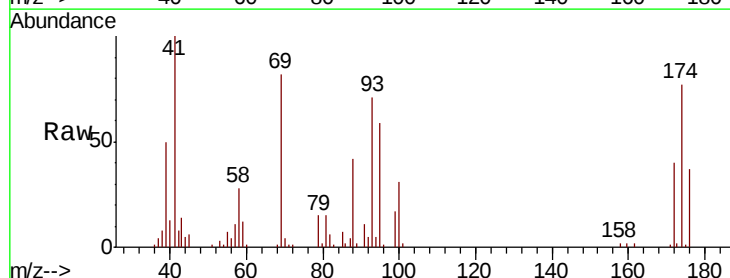
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

Tot Ion: 63 Resp: 68438
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6



#46
 Dibromomethane
 Concen: 21.163 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion: 93 Resp: 43256
 Ion Ratio Lower Upper
 93 100
 95 85.5 66.2 99.2
 174 110.3 90.8 136.2





#47

Bromodichloromethane

Concen: 22.164 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

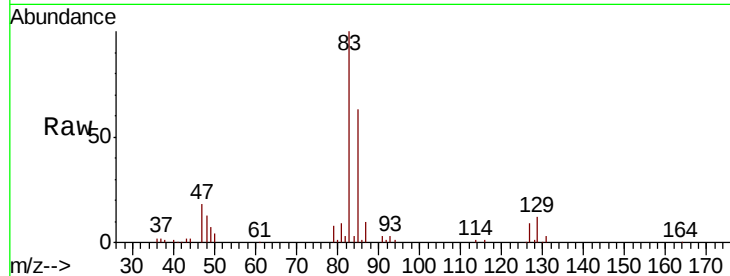
Tot Ion: 83 Resp: 80343

Ion Ratio Lower Upper

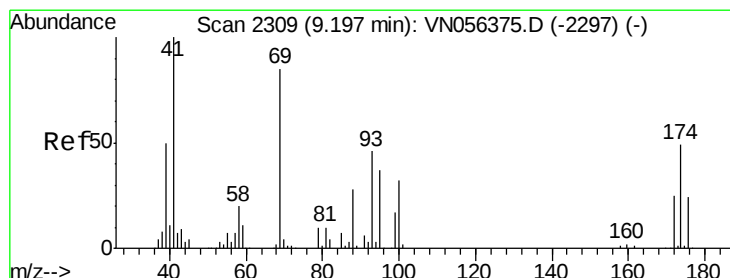
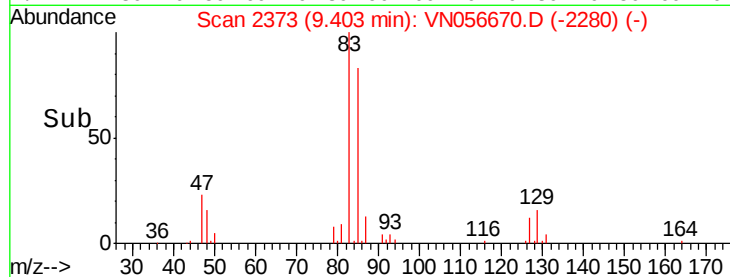
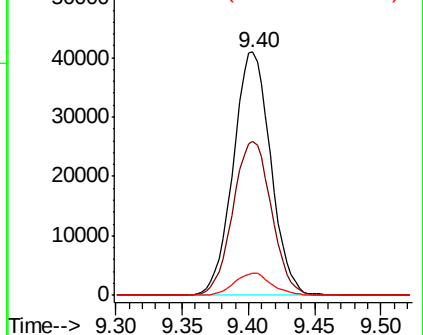
83 100

85 63.2 52.2 78.4

127 9.1 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 22.367 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

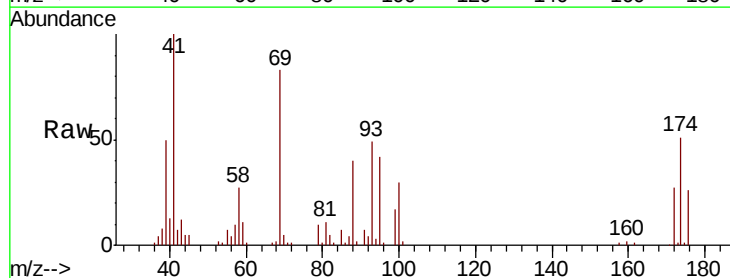
Tgt Ion: 41 Resp: 67453

Ion Ratio Lower Upper

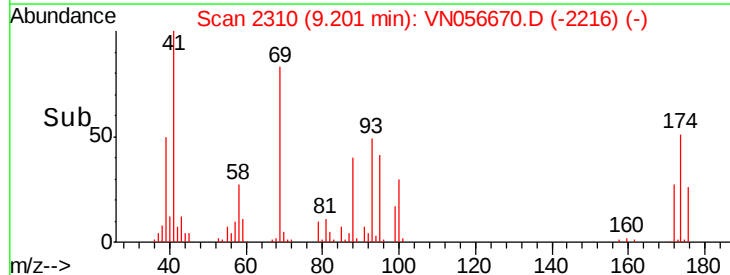
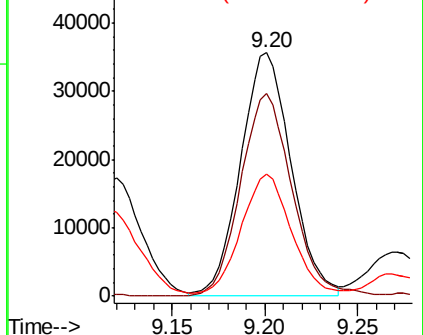
41 100

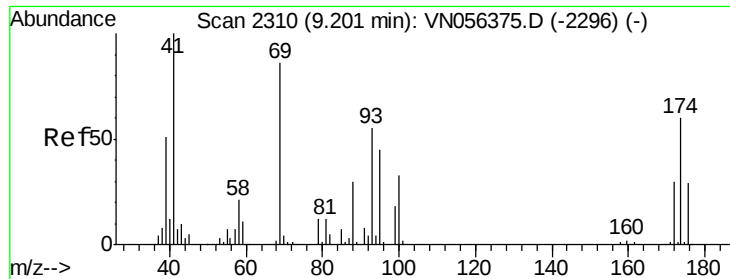
69 85.2 72.6 109.0

39 50.1 42.6 63.8



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





#49

1,4-Dioxane

Concen: 480.422 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

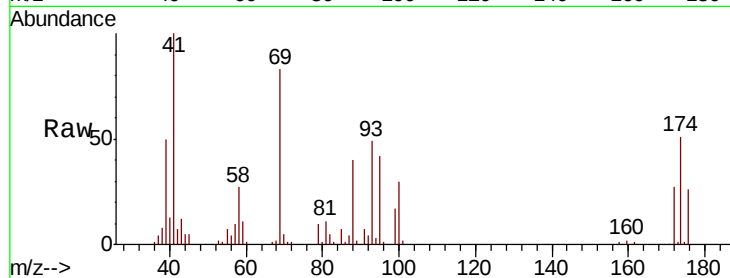
Tot Ion: 88 Resp: 30066

Ion Ratio Lower Upper

88 100

43 28.2 22.0 33.0

58 67.7 51.8 77.8

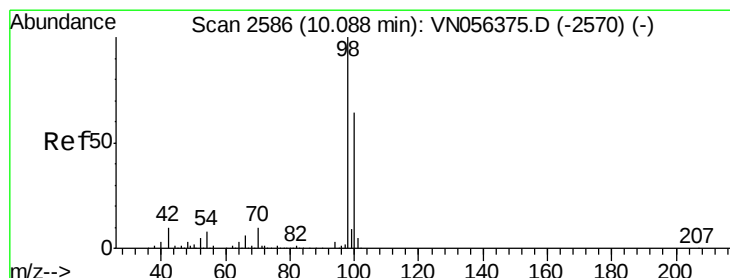
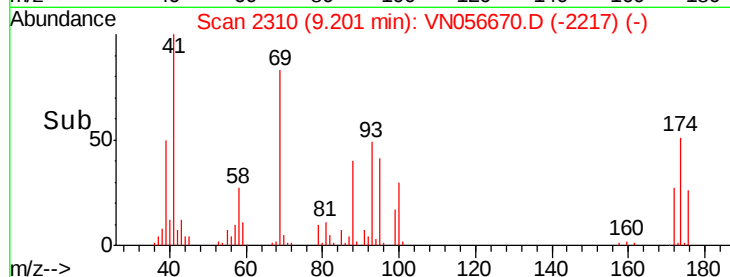
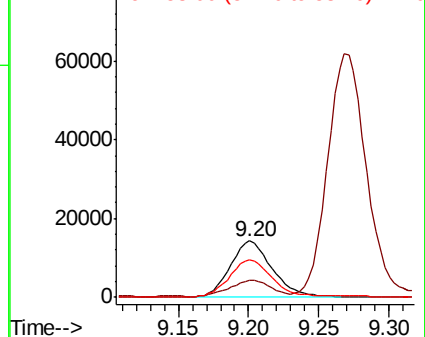


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.813 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056670.D

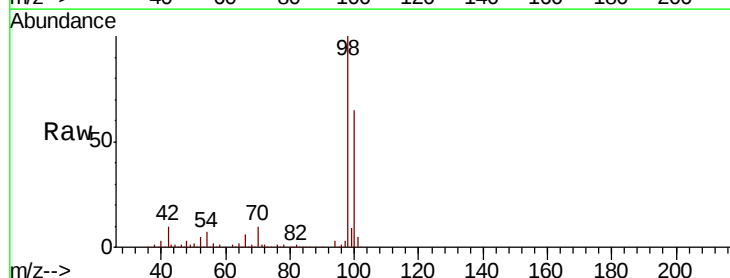
Acq: 11 Jul 2019 17:19

Tgt Ion: 98 Resp: 534604

Ion Ratio Lower Upper

98 100

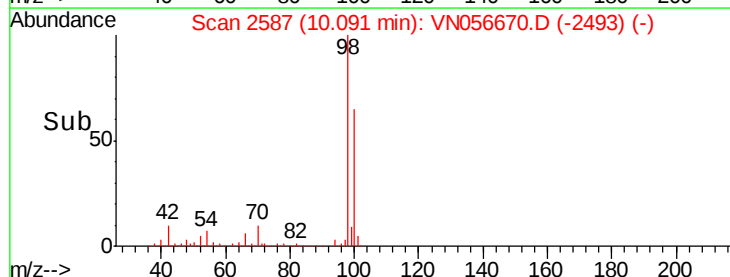
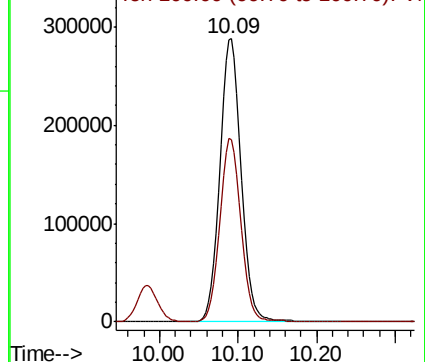
100 64.7 52.2 78.2

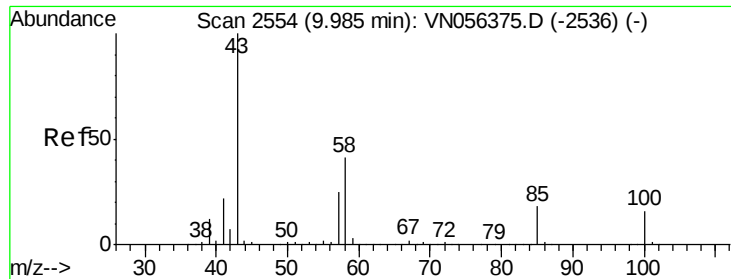


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 117.758 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

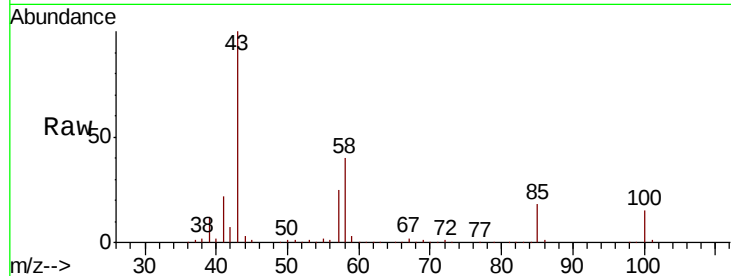
VN0712WBSD01

Tot Ion: 43 Resp: 457393

Ion Ratio Lower Upper

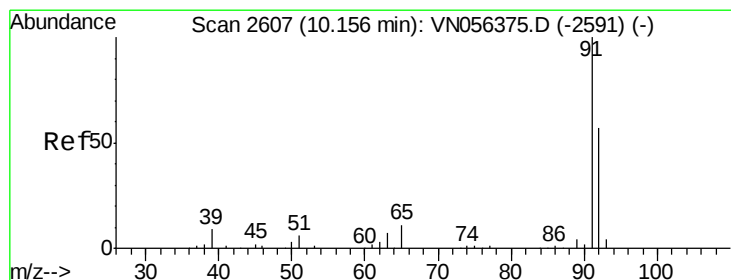
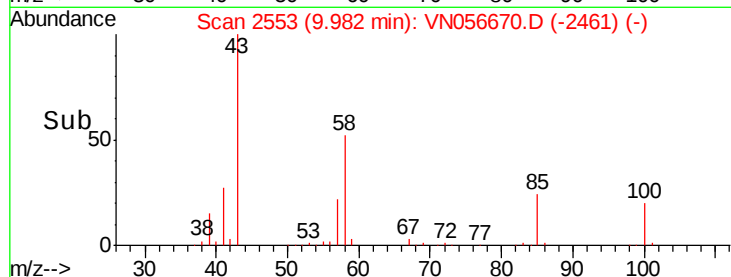
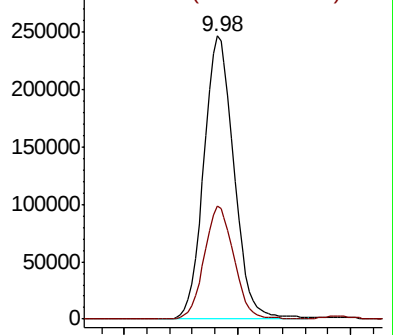
43 100

58 39.5 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.215 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056670.D

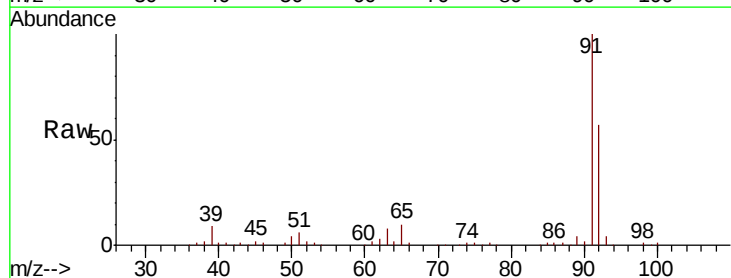
Acq: 11 Jul 2019 17:19

Tgt Ion: 92 Resp: 150971

Ion Ratio Lower Upper

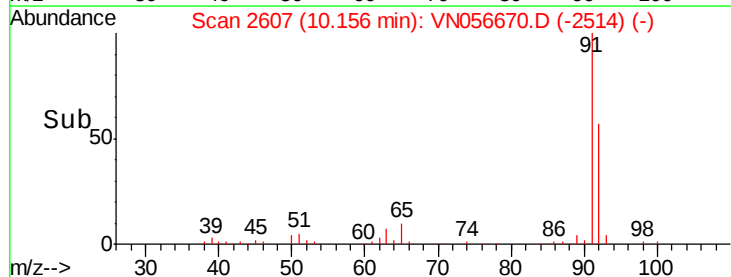
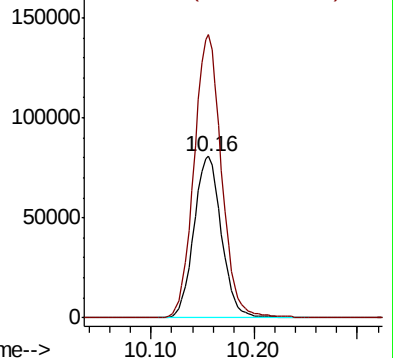
92 100

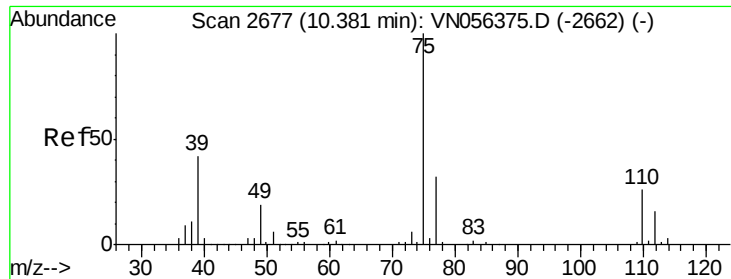
91 174.2 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

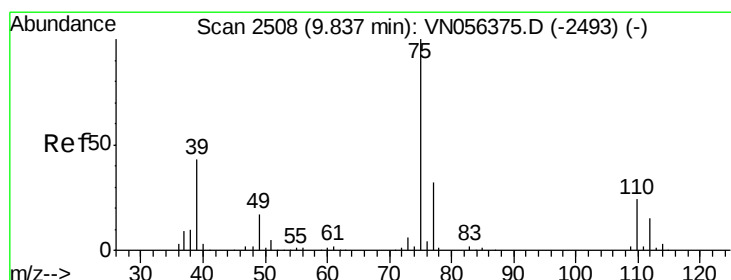
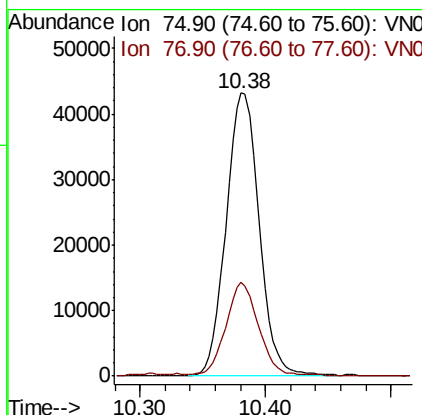
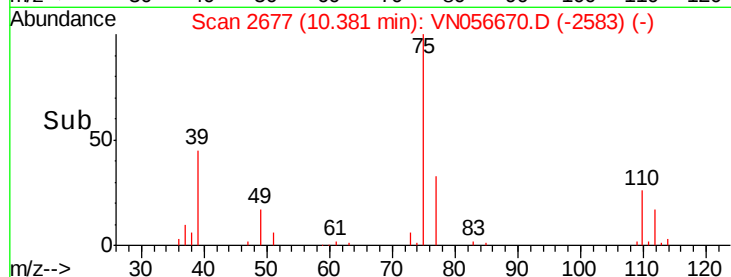
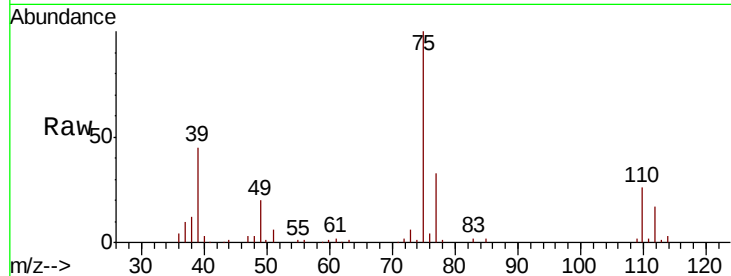




#53
 t-1,3-Dichloropropene
 Concen: 20.563 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

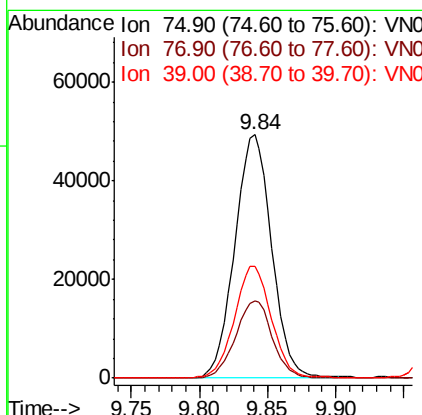
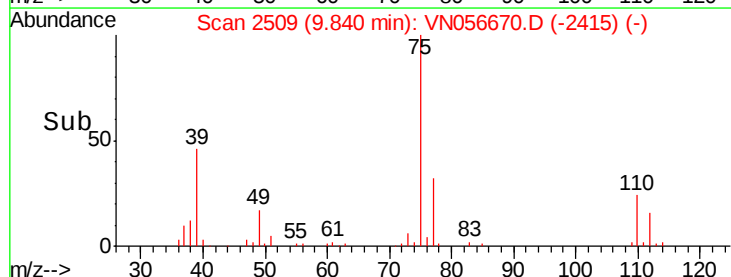
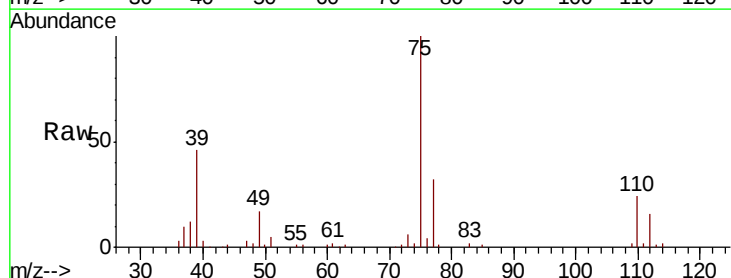
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

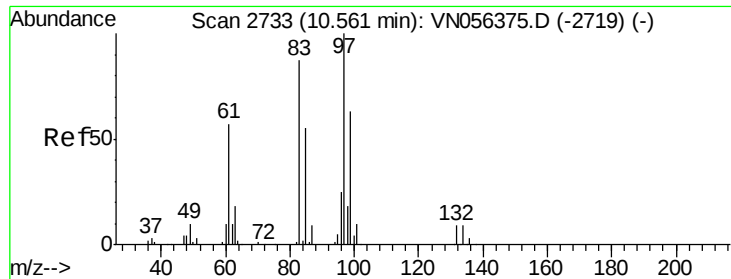
Tot Ion: 75 Resp: 79192
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.240 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion: 75 Resp: 92719
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8
 39 46.1 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 21.872 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

Tot Ion: 97 Resp: 65658

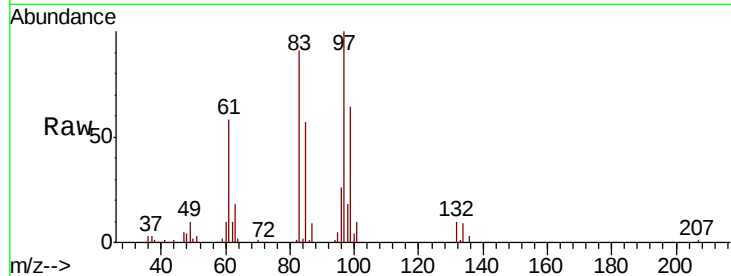
Ion Ratio Lower Upper

97 100

83 90.5 69.8 104.6

85 56.6 43.8 65.8

99 64.4 50.2 75.2

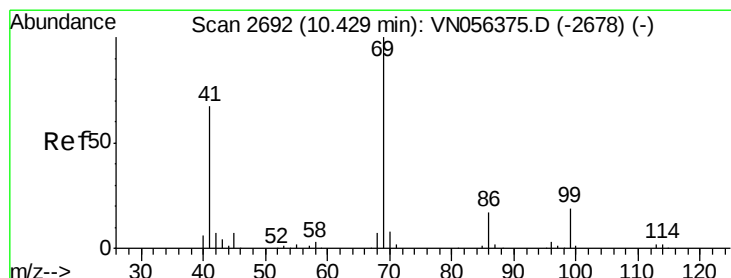
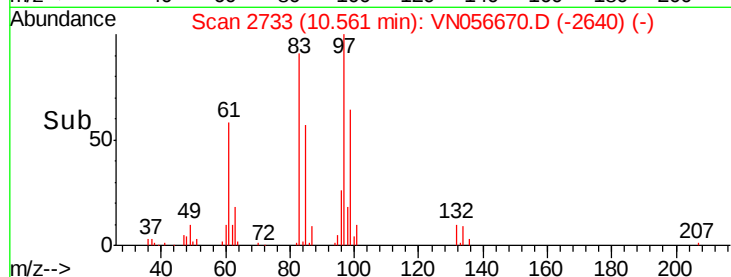
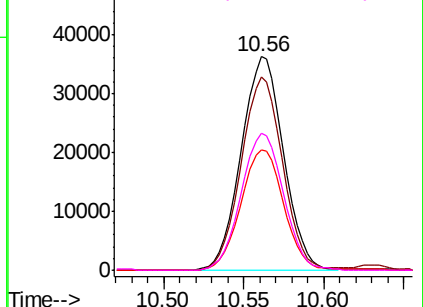


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.694 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

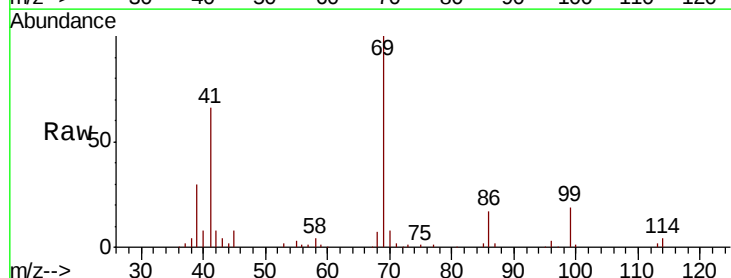
Tgt Ion: 69 Resp: 95175

Ion Ratio Lower Upper

69 100

41 65.7 51.4 77.2

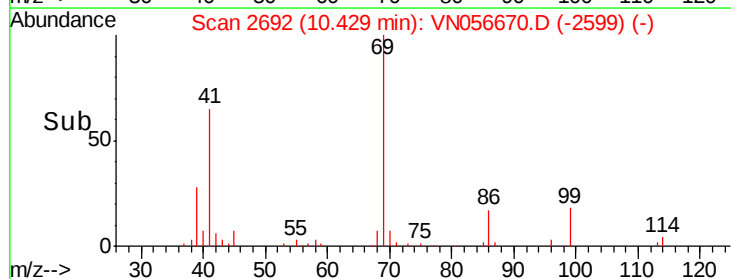
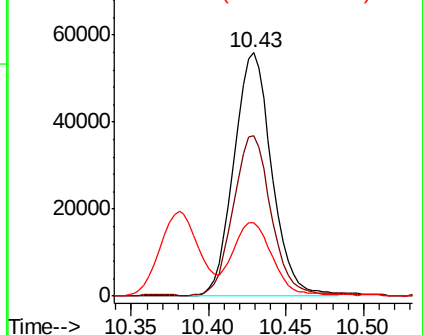
39 30.9 24.7 37.1

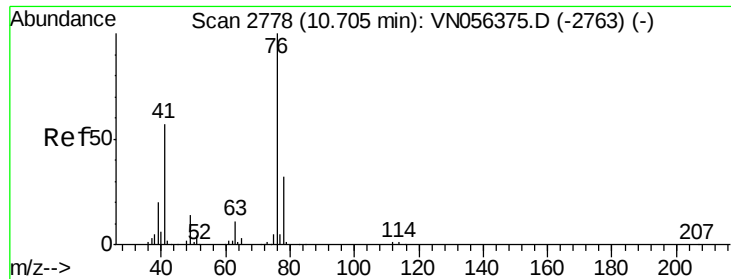


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.397 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

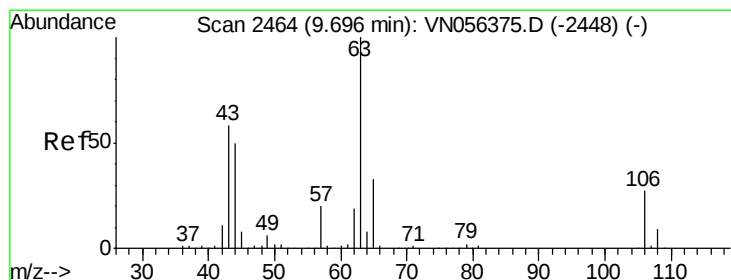
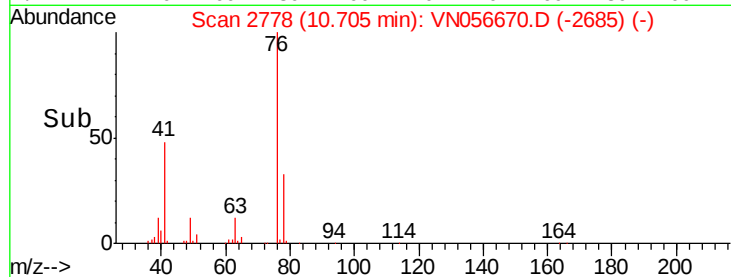
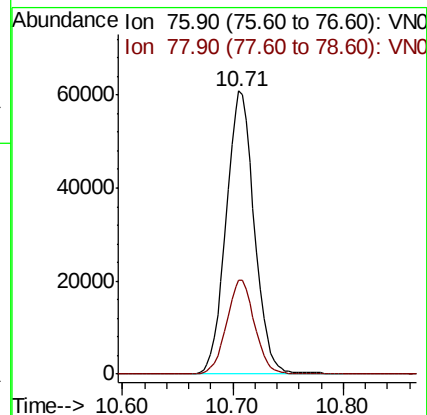
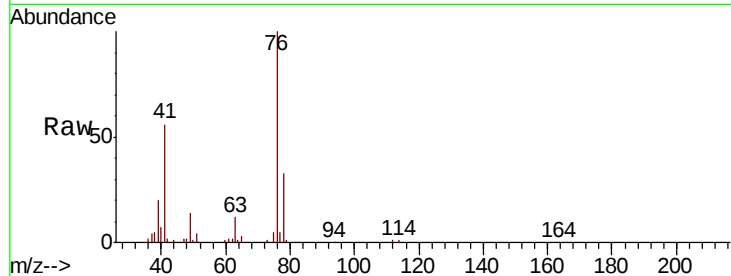
VN0712WBSD01

Tot Ion: 76 Resp: 107907

Ion Ratio Lower Upper

76 100

78 32.9 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 140.169 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN056670.D

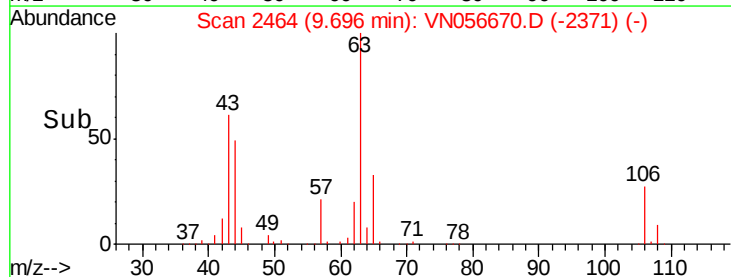
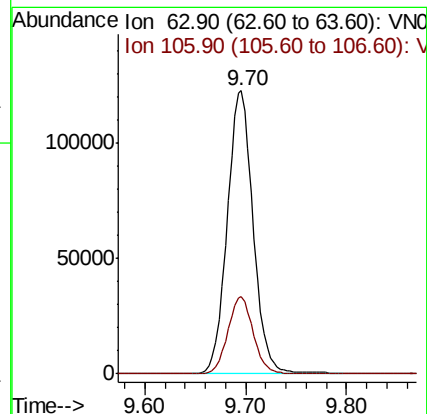
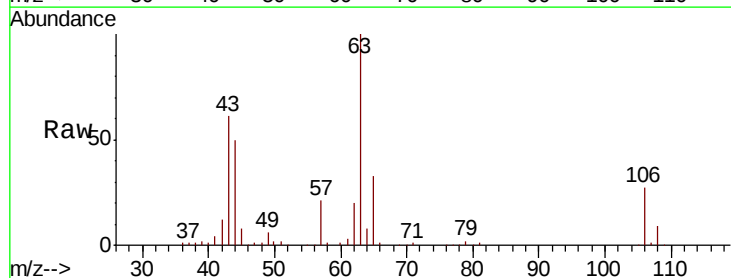
Acq: 11 Jul 2019 17:19

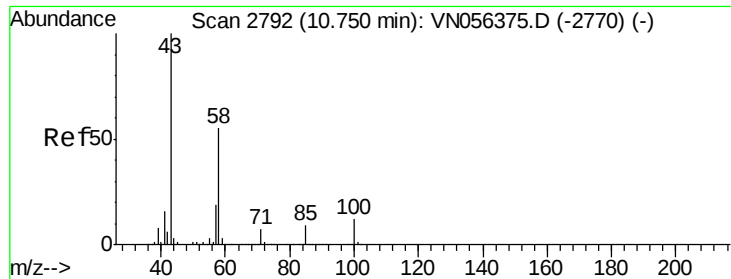
Tgt Ion: 63 Resp: 220919

Ion Ratio Lower Upper

63 100

106 26.8 21.6 32.4

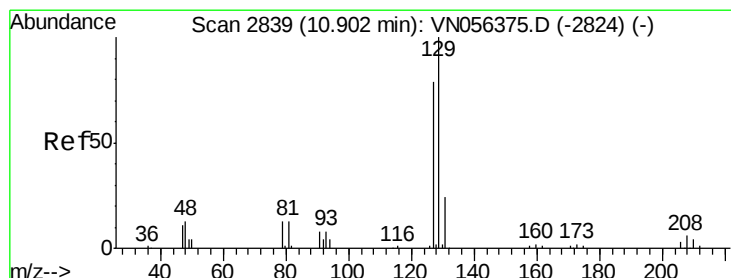
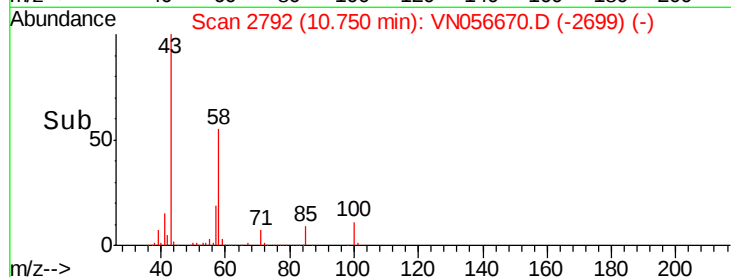
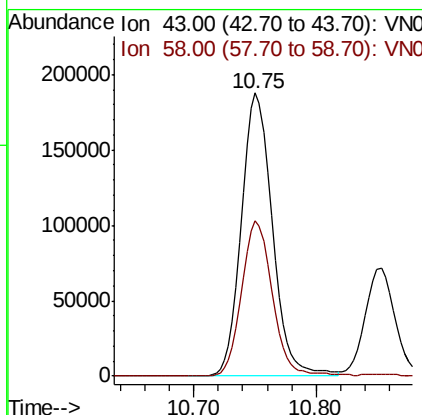
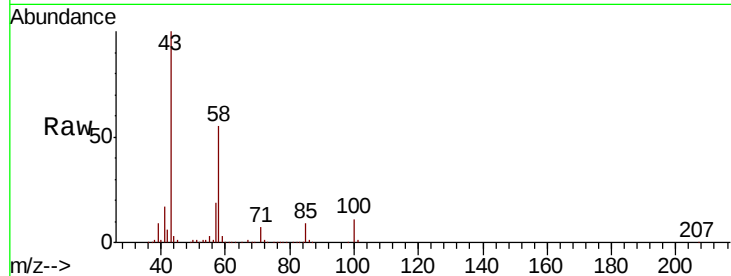




#59
2-Hexanone
Concen: 114.891 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

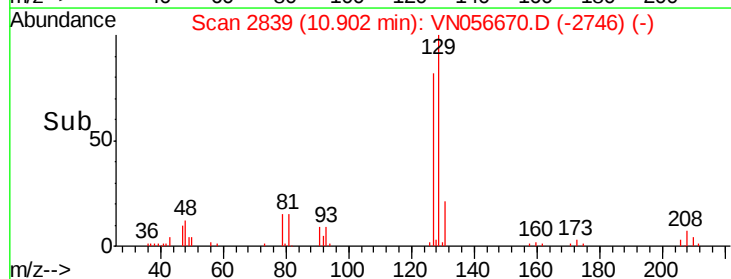
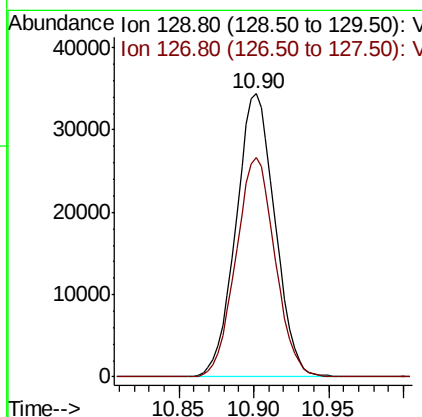
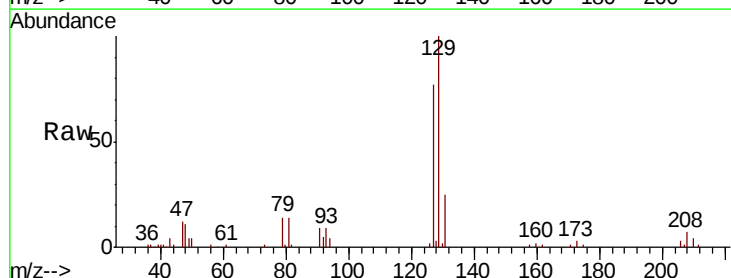
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

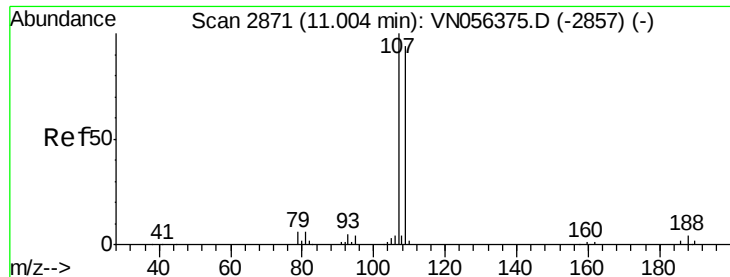
Tot Ion: 43 Resp: 327986
Ion Ratio Lower Upper
43 100
58 54.7 27.8 83.4



#60
Dibromochloromethane
Concen: 21.637 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 129 Resp: 62386
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7

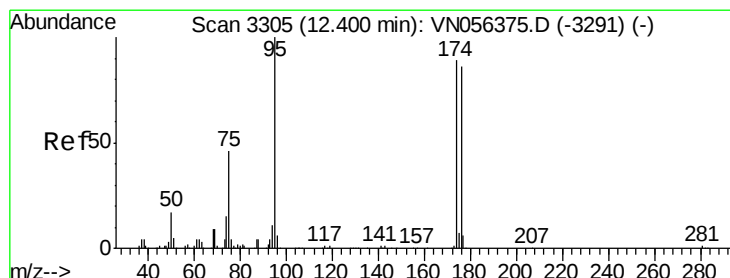
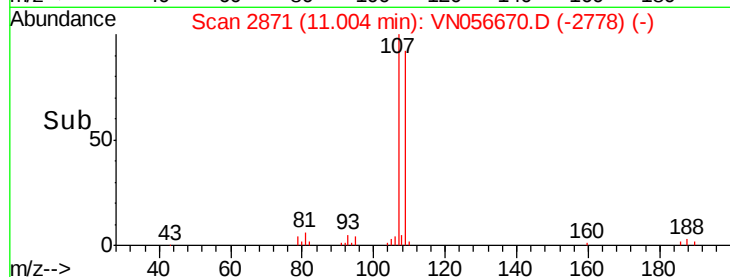
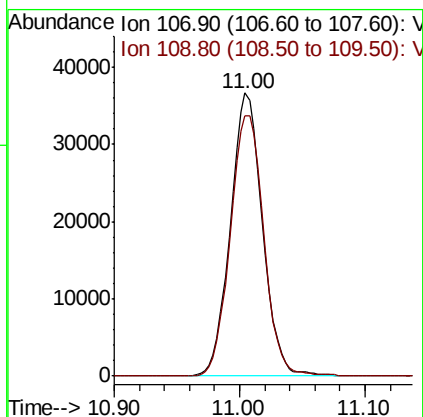
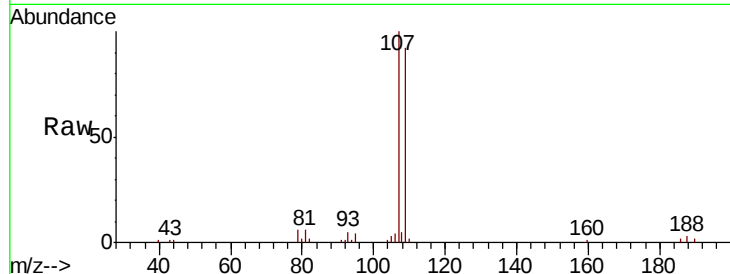




#61
 1,2-Dibromoethane
 Concen: 21.246 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

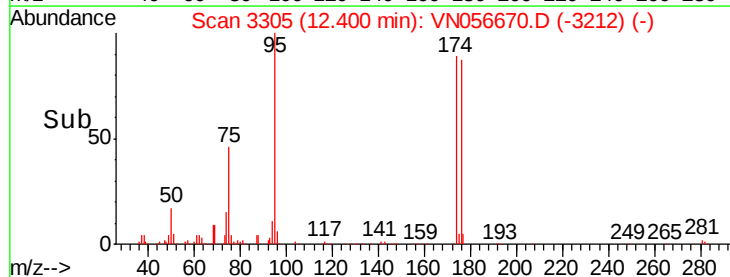
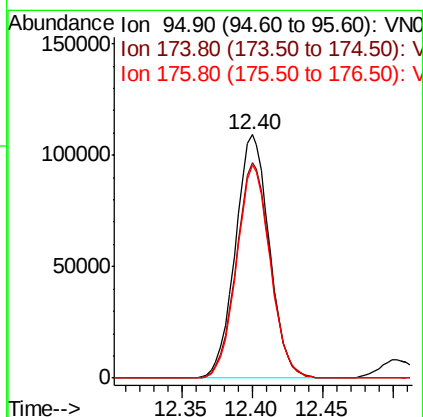
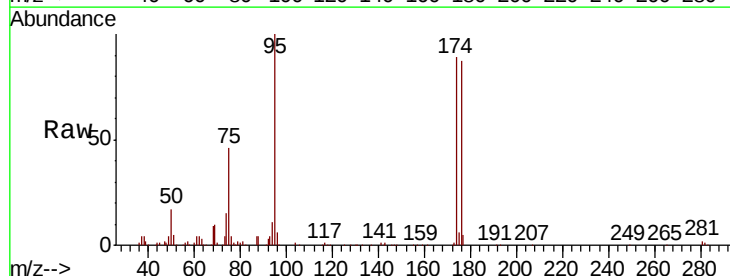
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

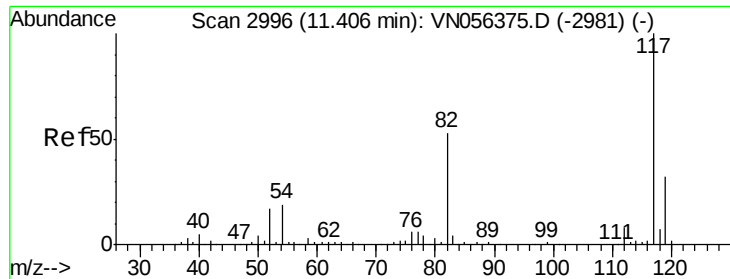
Tot Ion: 107 Resp: 65140
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 50.454 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion: 95 Resp: 184208
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 179.4
 176 86.3 0.0 173.4

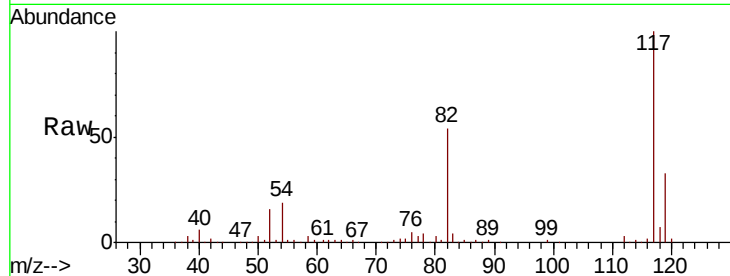




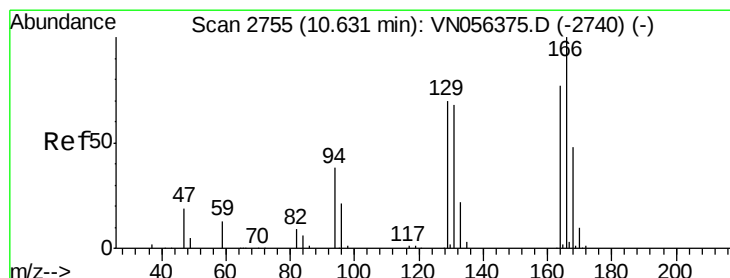
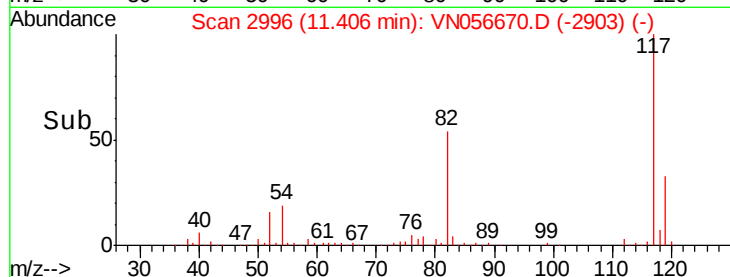
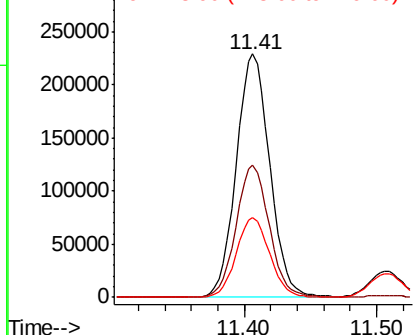
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion:117 Resp: 402381
Ion Ratio Lower Upper
117 100
82 54.2 42.0 63.0
119 32.7 25.3 37.9



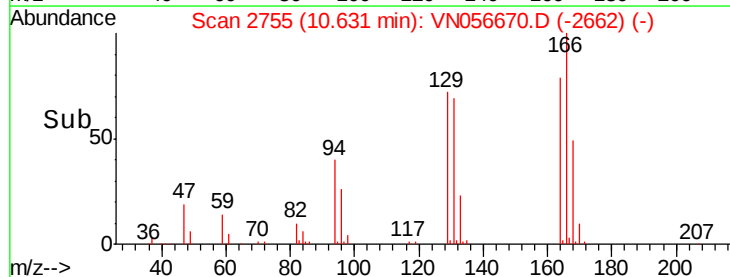
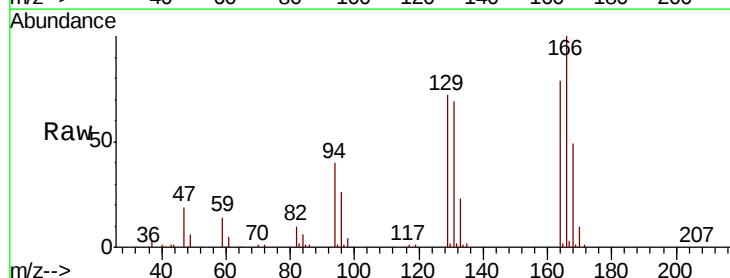
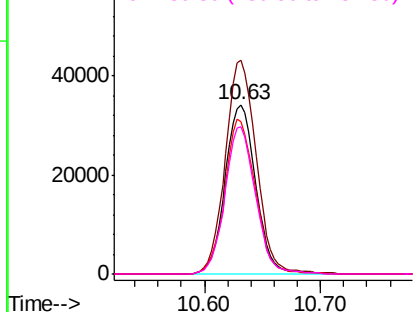
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

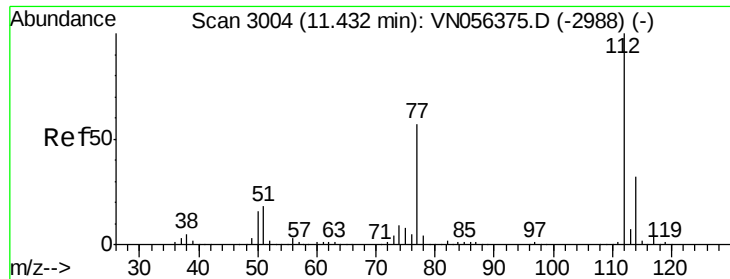


#64
Tetrachloroethene
Concen: 19.698 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion:164 Resp: 62768
Ion Ratio Lower Upper
164 100
166 126.0 103.4 155.0
129 90.1 72.0 108.0
131 87.0 70.2 105.2

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

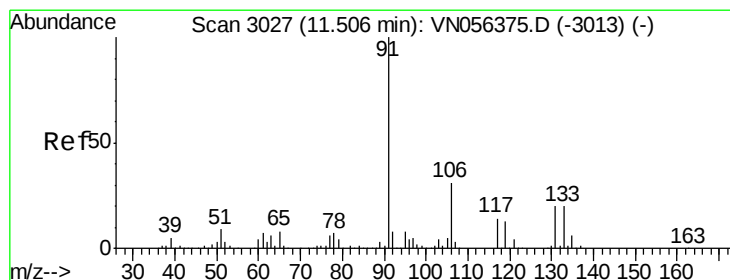
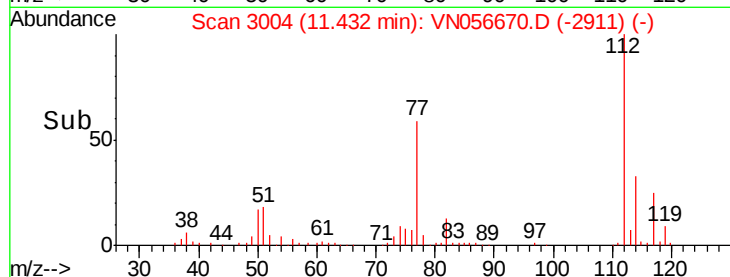
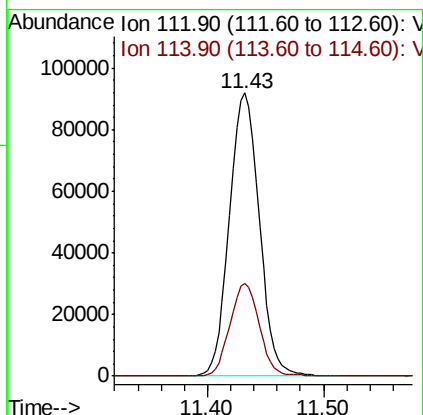
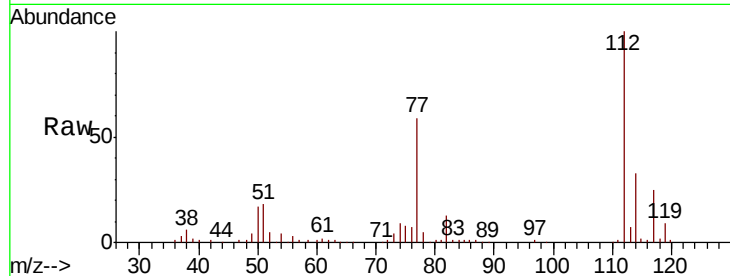




#65
Chlorobenzene
Concen: 20.265 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

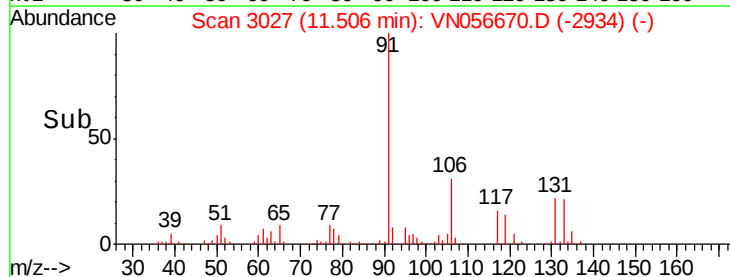
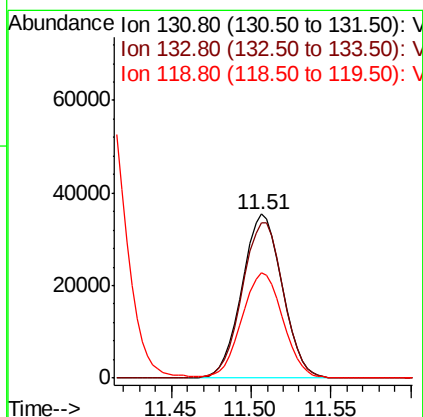
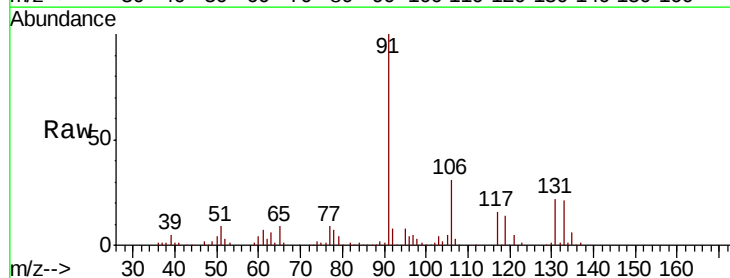
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

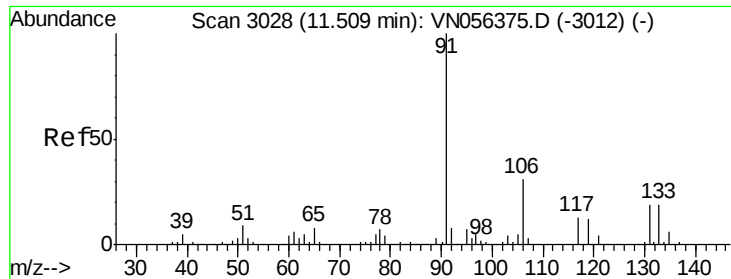
Tot Ion:112 Resp: 163848
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.347 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion:131 Resp: 61067
Ion Ratio Lower Upper
131 100
133 96.8 47.4 142.2
119 65.5 32.8 98.4

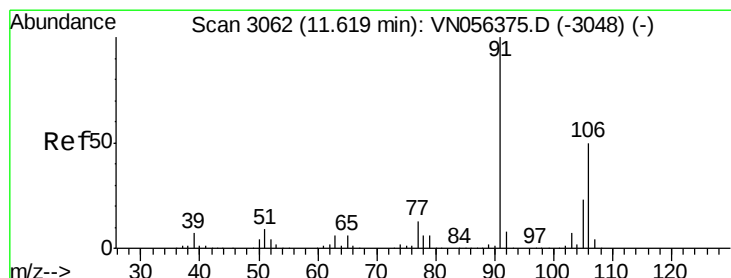
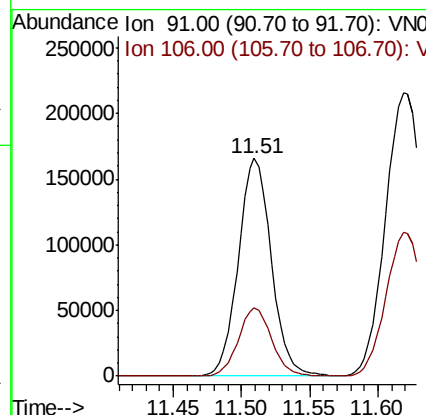
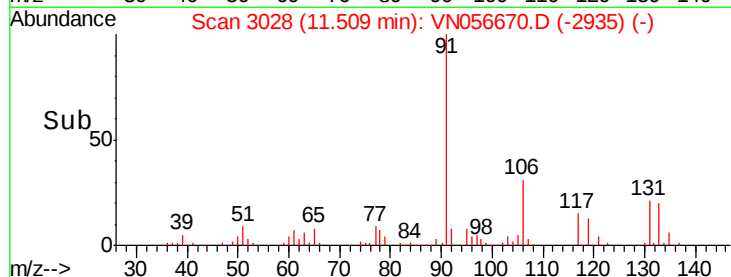
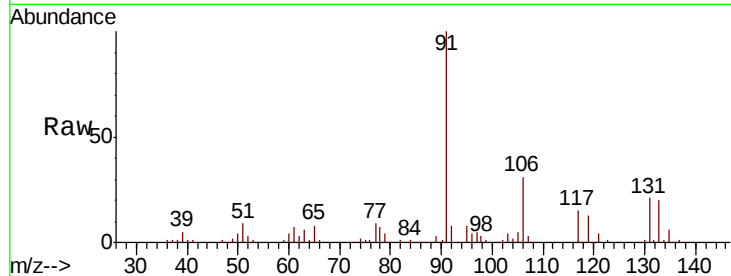




#67
Ethyl Benzene
Concen: 19.628 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

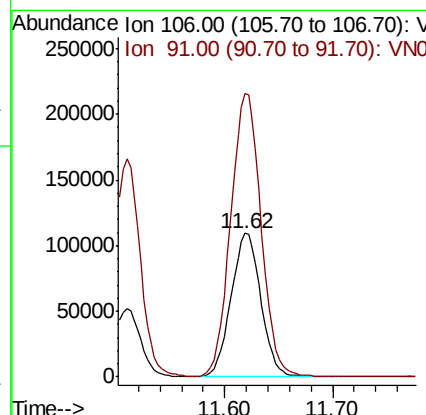
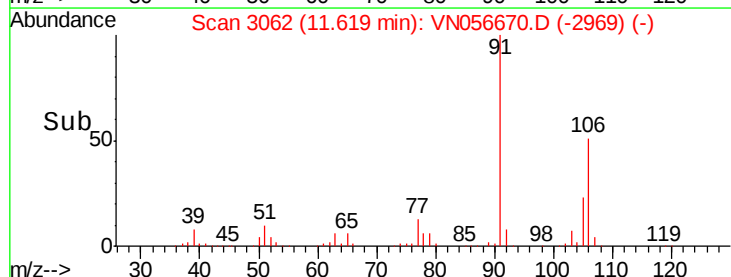
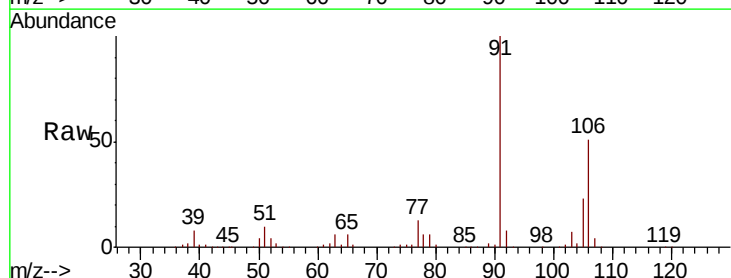
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

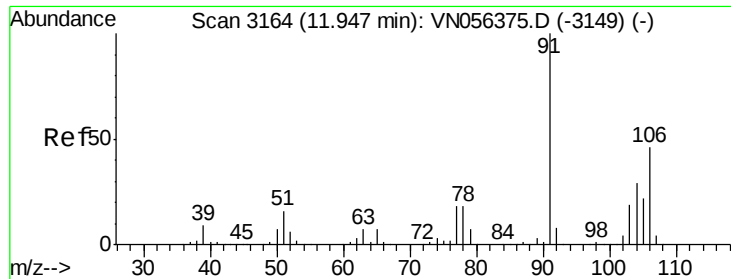
Tot Ion: 91 Resp: 278649
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7



#68
m/p-Xylenes
Concen: 40.471 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 106 Resp: 210561
Ion Ratio Lower Upper
106 100
91 201.3 160.1 240.1

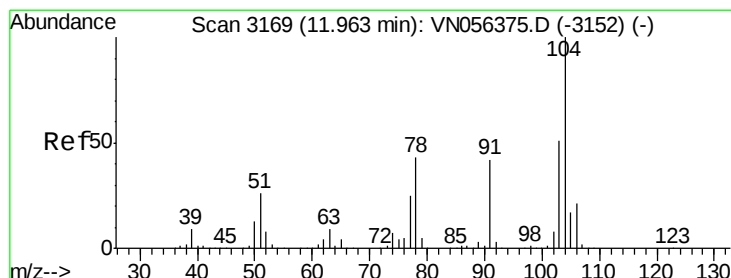
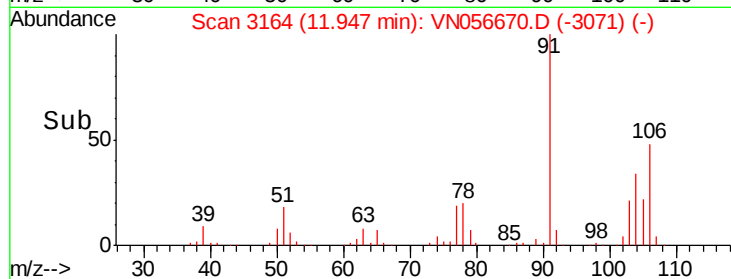
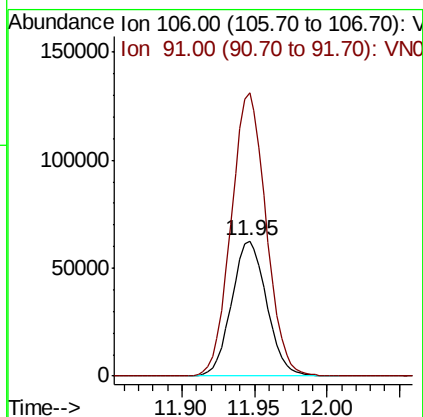
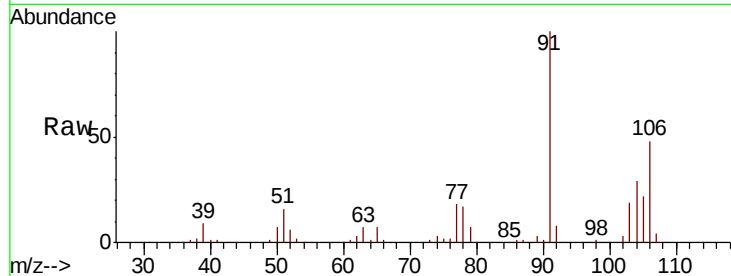




#69
o-Xylene
Concen: 20.446 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

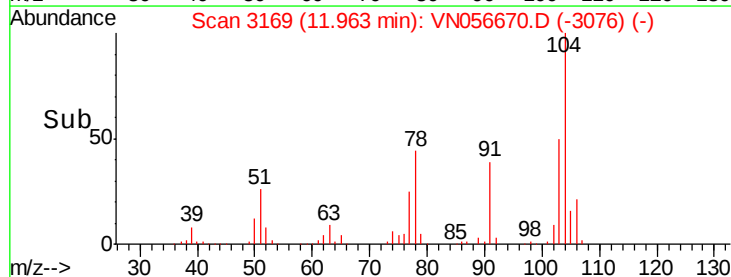
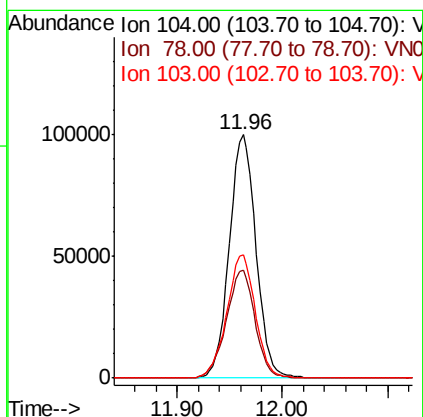
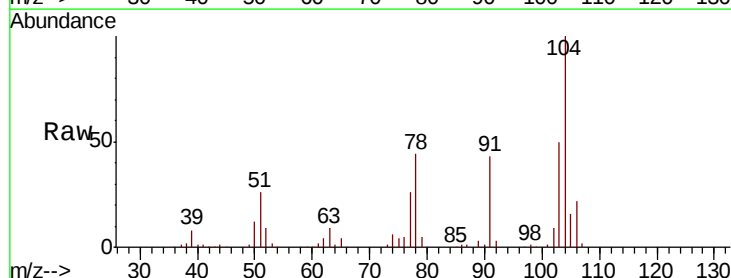
Instrument :
MSVOA_N
ClientSampled :
VN0712WBSD01

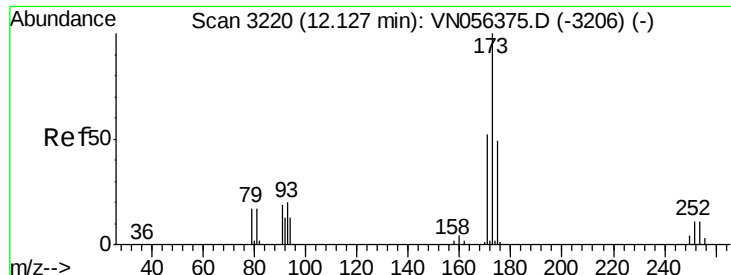
Tot Ion:106 Resp: 105242
Ion Ratio Lower Upper
106 100
91 209.1 107.1 321.3



#70
Styrene
Concen: 21.258 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion:104 Resp: 174903
Ion Ratio Lower Upper
104 100
78 47.7 38.6 57.8
103 54.2 43.9 65.9





#71

Bromoform

Concen: 22.444 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

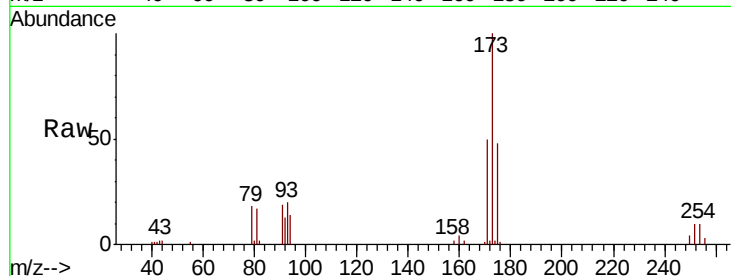
Tot Ion:173 Resp: 45404

Ion Ratio Lower Upper

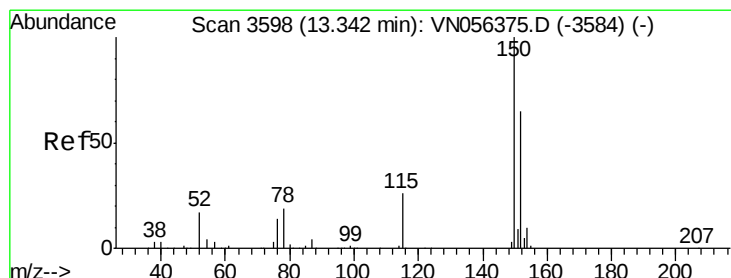
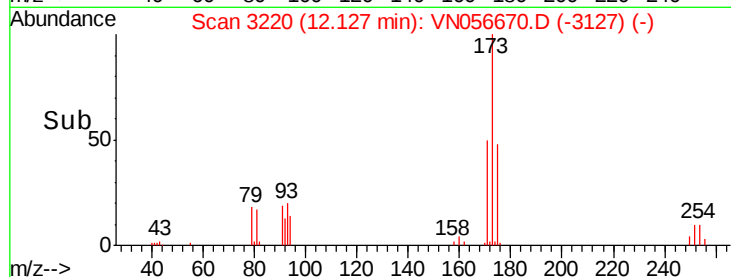
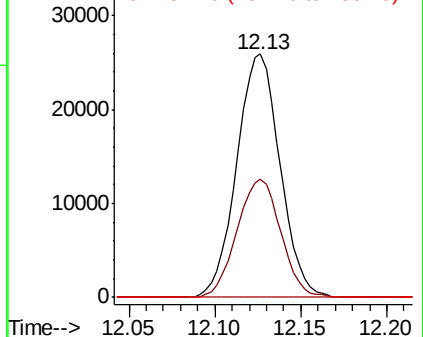
173 100

175 49.1 24.4 73.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

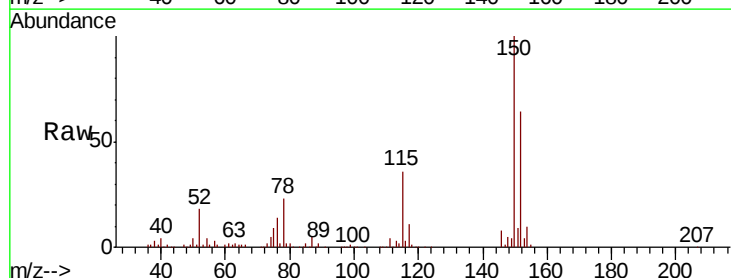
Tgt Ion:152 Resp: 174627

Ion Ratio Lower Upper

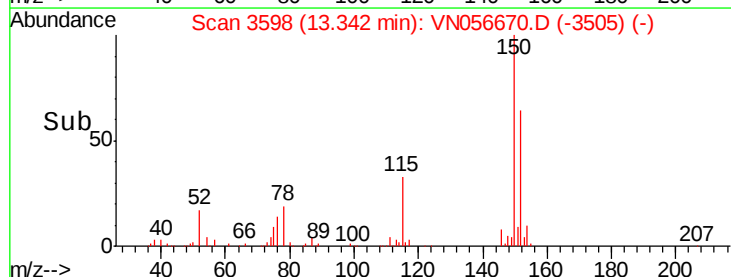
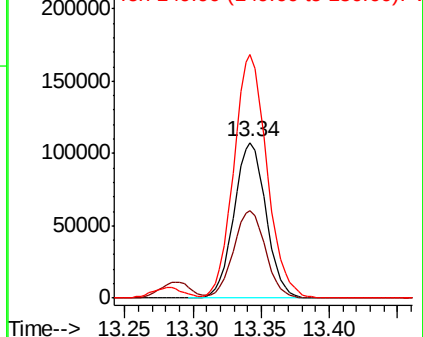
152 100

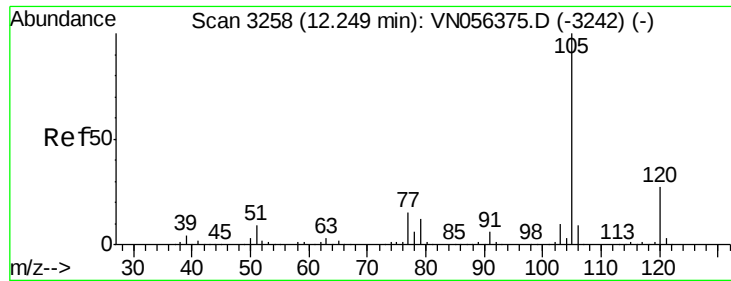
115 56.6 28.1 84.4

150 162.8 0.0 348.4



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





#73

Isopropylbenzene

Concen: 19.650 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

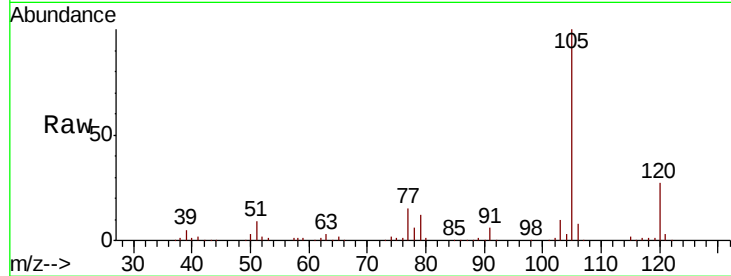
VN0712WBSD01

Tot Ion:105 Resp: 279126

Ion Ratio Lower Upper

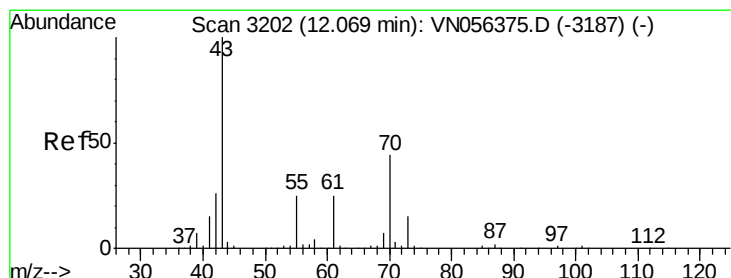
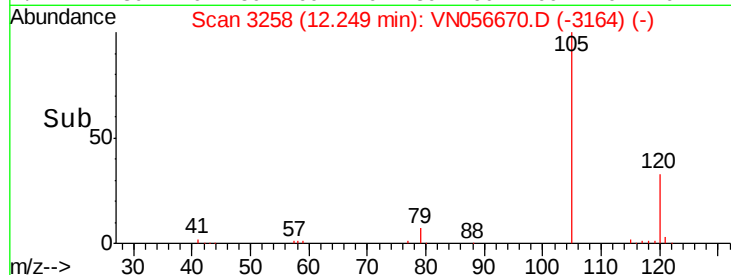
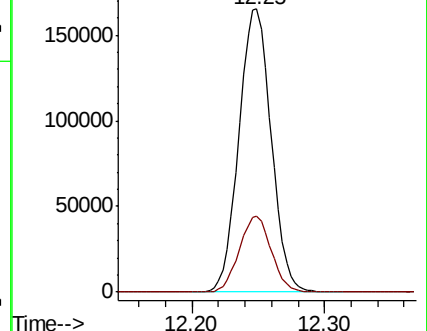
105 100

120 26.5 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.387 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Tgt Ion: 43 Resp: 107748

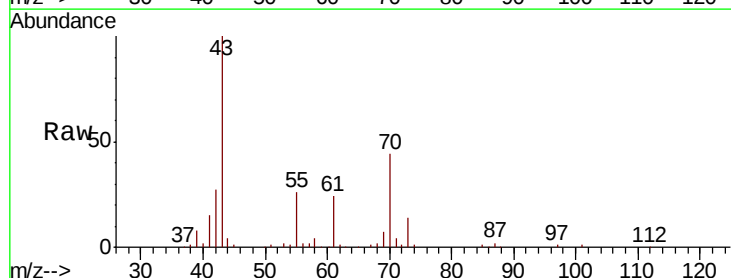
Ion Ratio Lower Upper

43 100

70 42.6 34.9 52.3

55 26.0 20.4 30.6

61 23.7 19.8 29.8

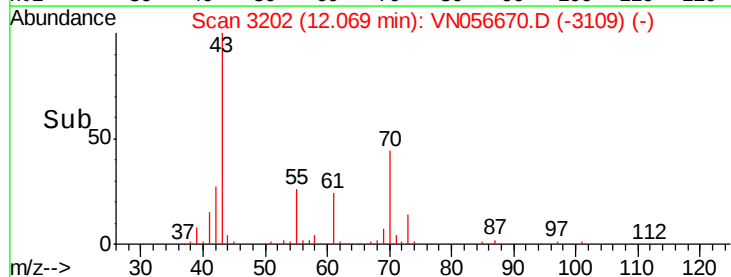
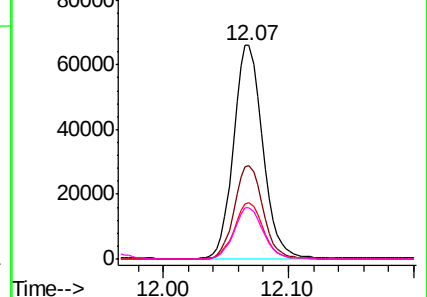


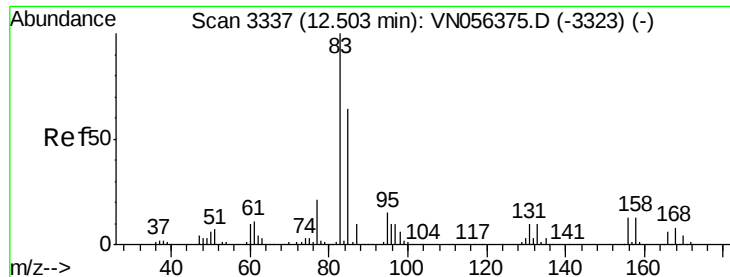
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.539 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

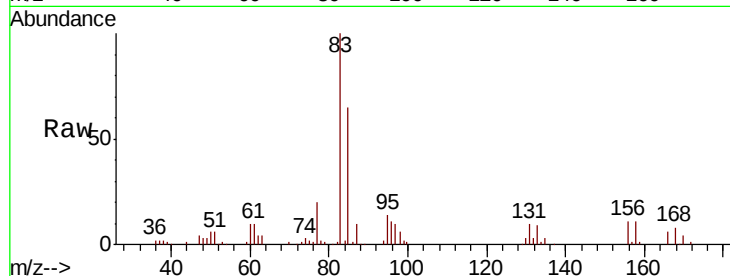
Tot Ion: 83 Resp: 98376

Ion Ratio Lower Upper

83 100

131 9.9 5.3 15.8

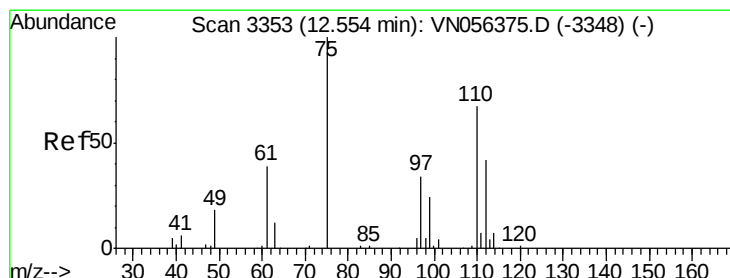
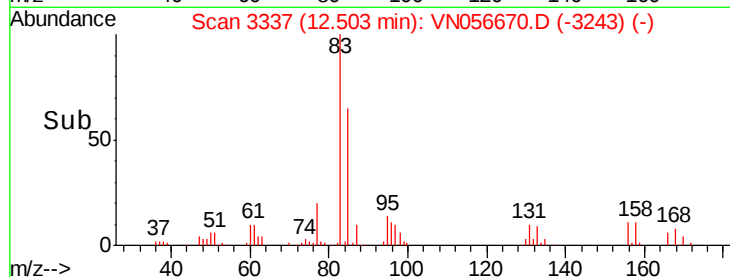
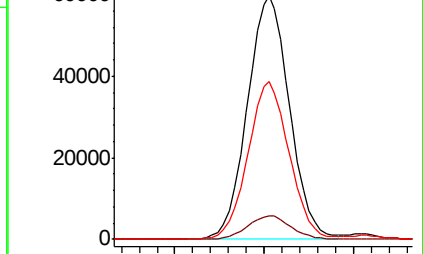
85 63.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN056670.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN056670.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN056670.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 31.401 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056670.D

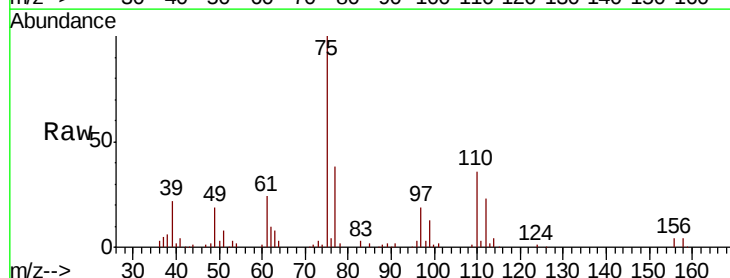
Acq: 11 Jul 2019 17:19

Tgt Ion: 75 Resp: 113699

Ion Ratio Lower Upper

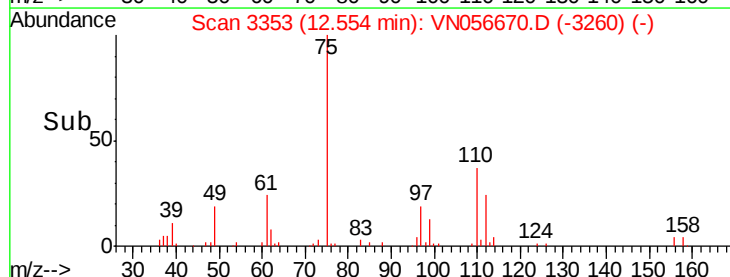
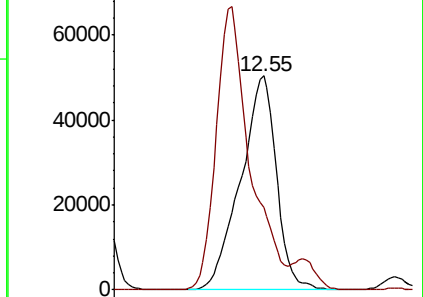
75 100

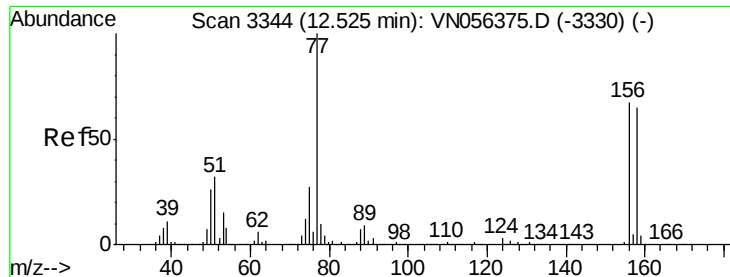
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056670.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN056670.D (-3353) (-)





#77

Bromobenzene

Concen: 18.871 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

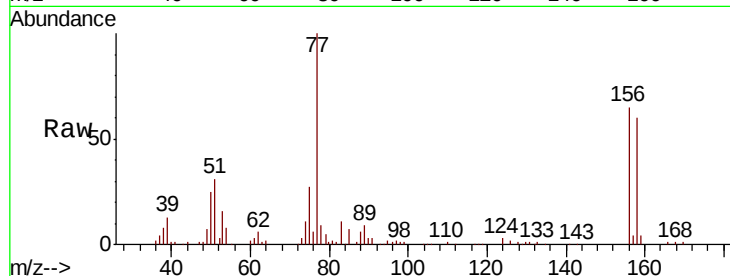
Tot Ion:156 Resp: 73685

Ion Ratio Lower Upper

156 100

77 192.7 92.5 277.3

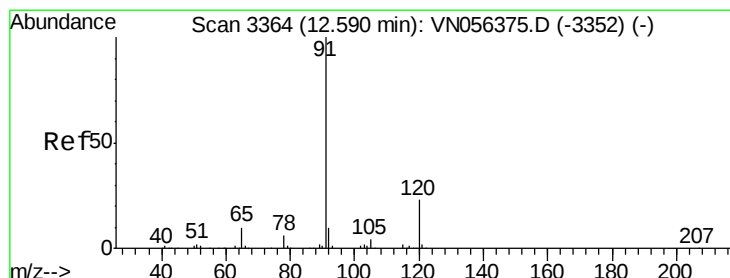
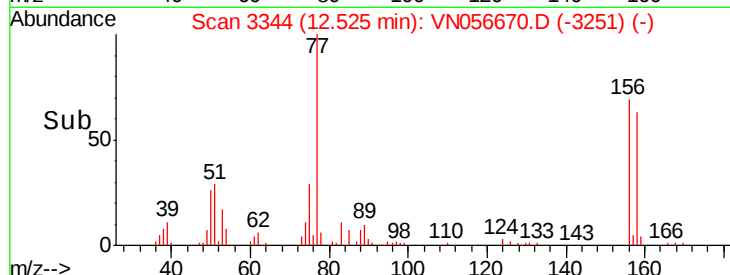
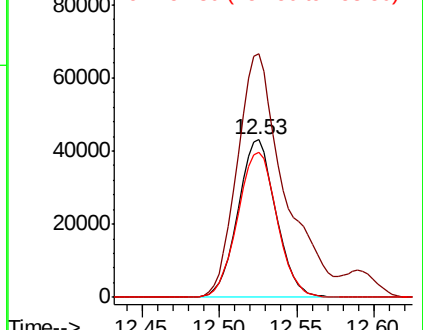
158 95.4 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.942 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056670.D

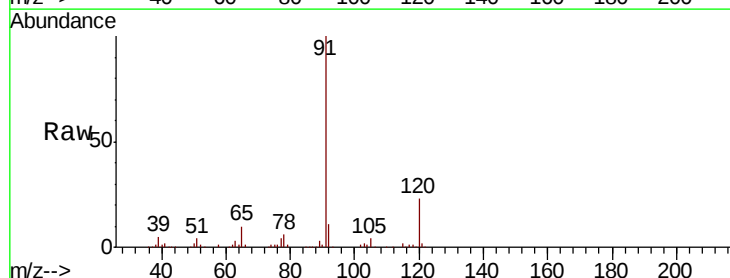
Acq: 11 Jul 2019 17:19

Tgt Ion: 91 Resp: 302918

Ion Ratio Lower Upper

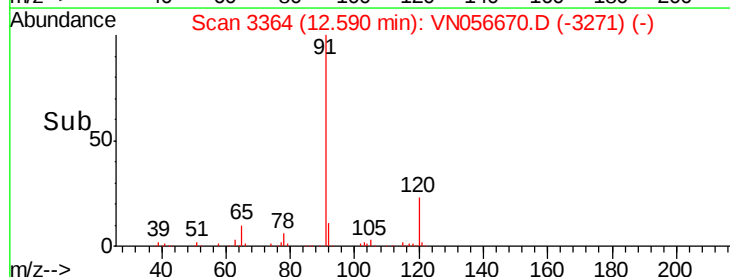
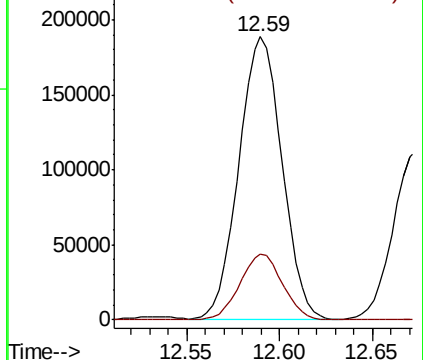
91 100

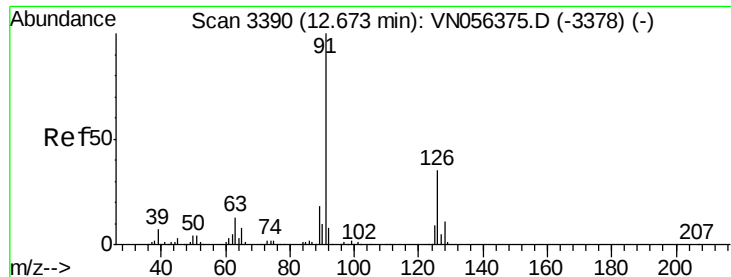
120 23.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.956 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

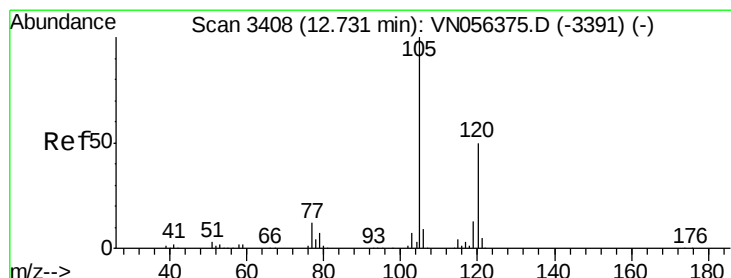
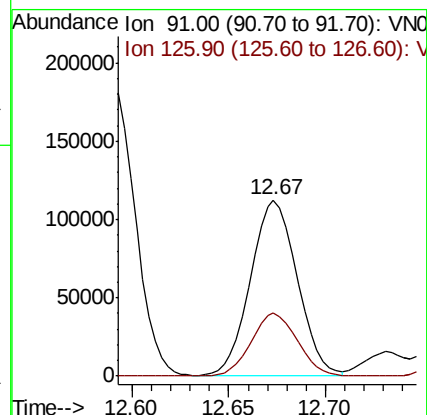
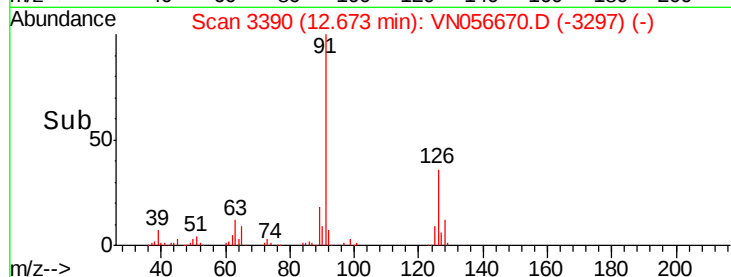
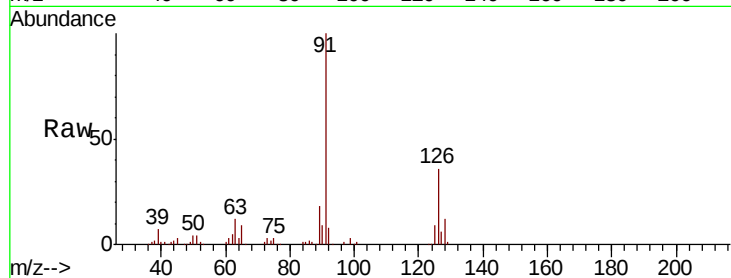
VN0712WBSD01

Tot Ion: 91 Resp: 188318

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 20.142 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056670.D

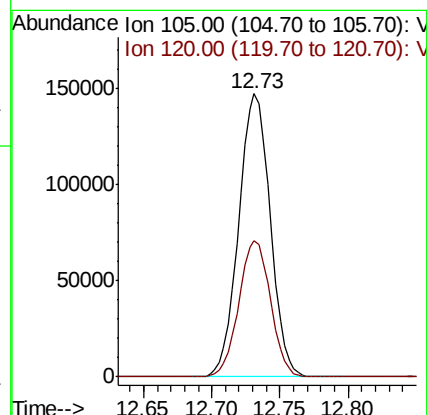
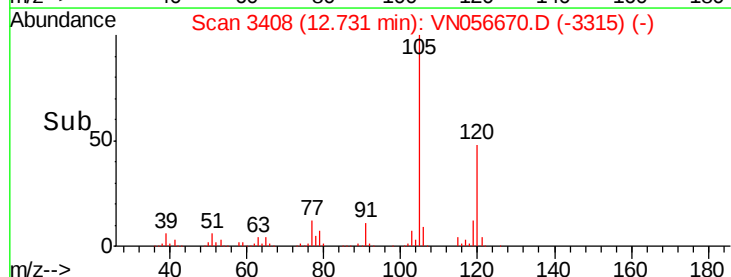
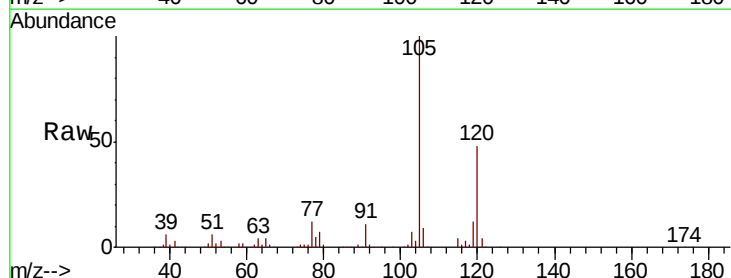
Acq: 11 Jul 2019 17:19

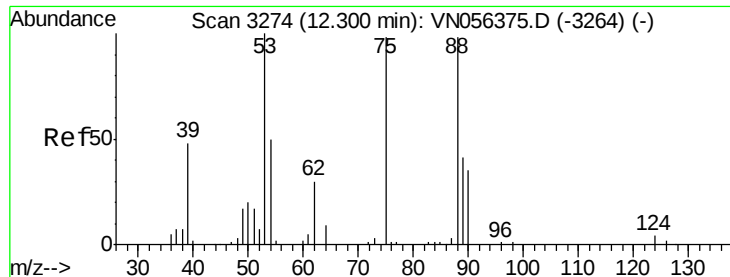
Tgt Ion: 105 Resp: 236194

Ion Ratio Lower Upper

105 100

120 48.3 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 22.020 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

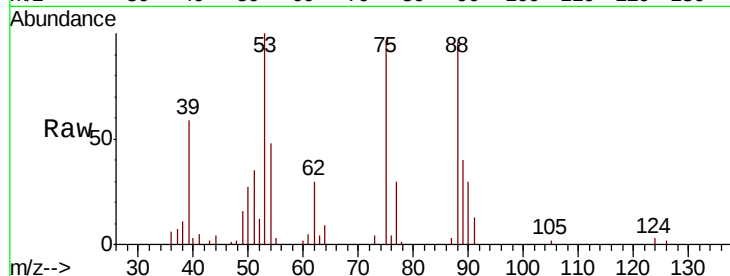
Tot Ion: 75 Resp: 22434

Ion Ratio Lower Upper

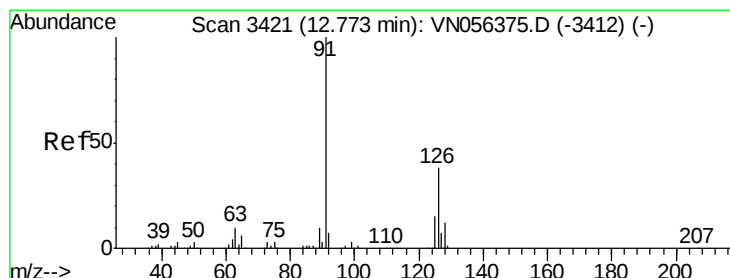
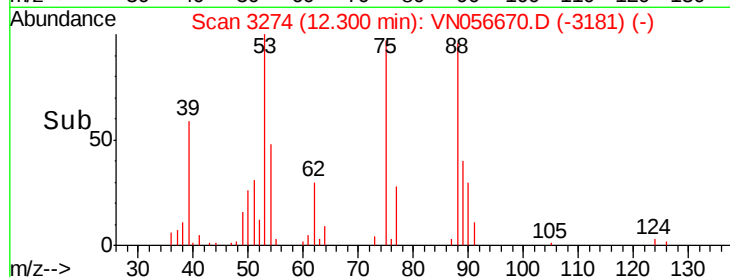
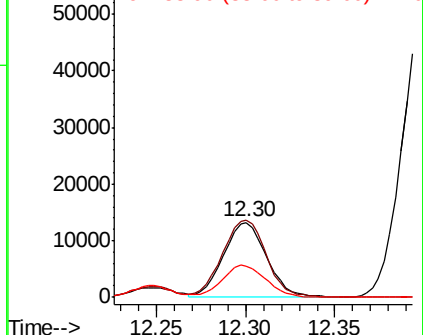
75 100

53 104.8 83.9 125.9

89 42.6 35.0 52.6



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.933 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056670.D

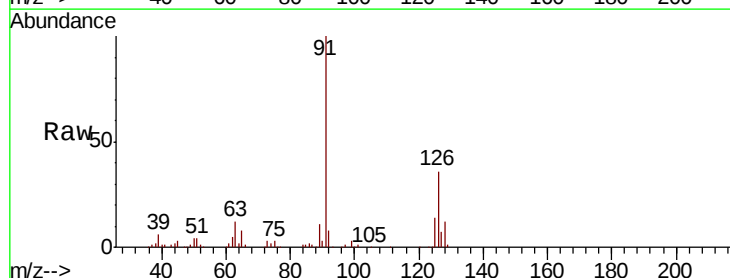
Acq: 11 Jul 2019 17:19

Tgt Ion: 91 Resp: 178772

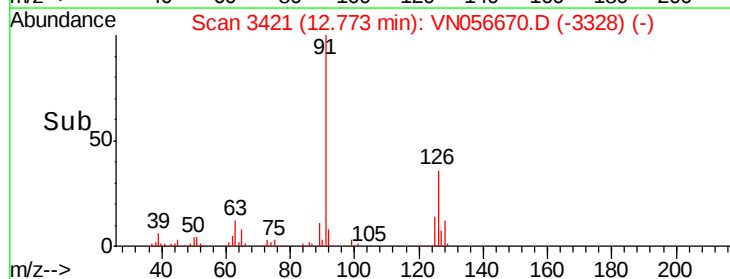
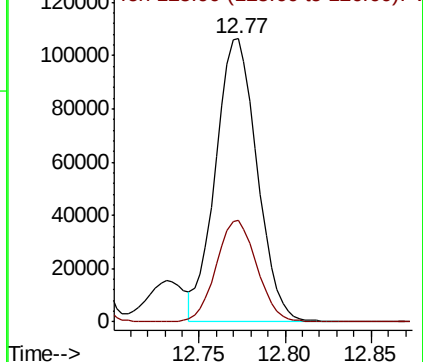
Ion Ratio Lower Upper

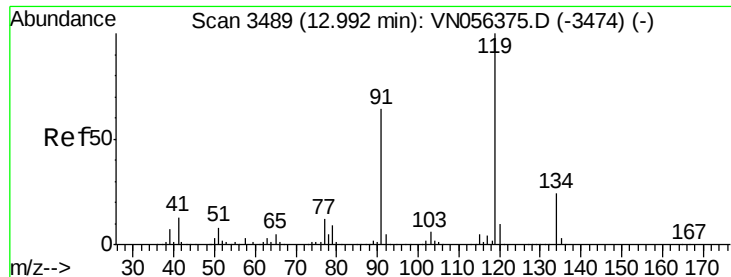
91 100

126 35.2 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V

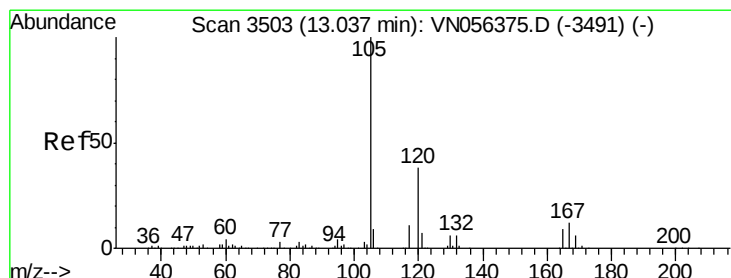
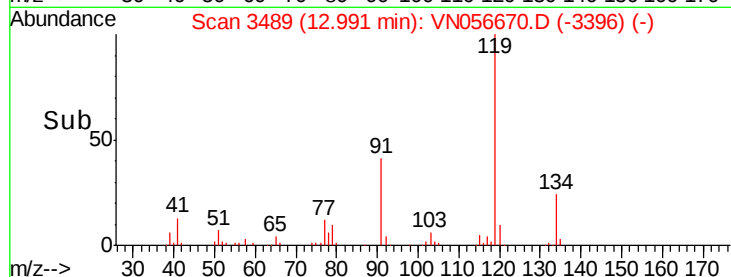
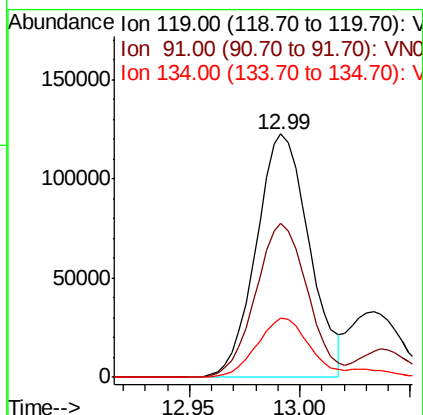
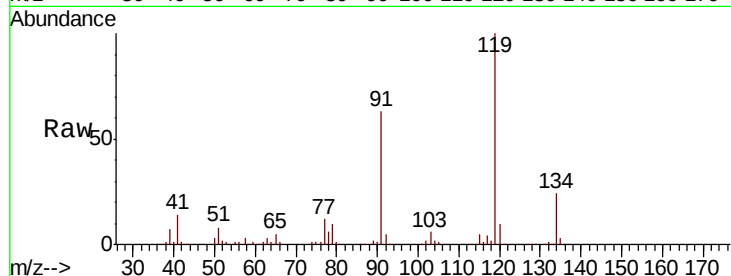




#83
tert-Butylbenzene
Concen: 19.625 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

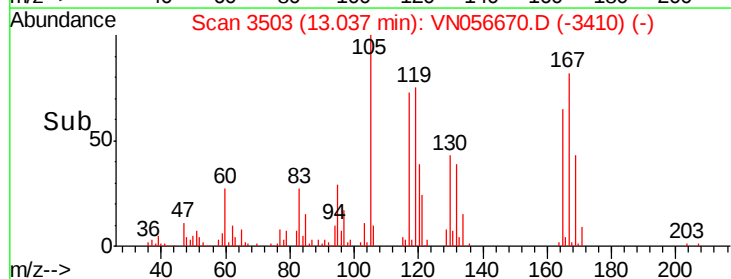
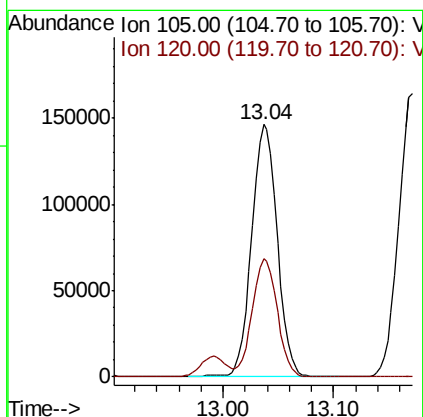
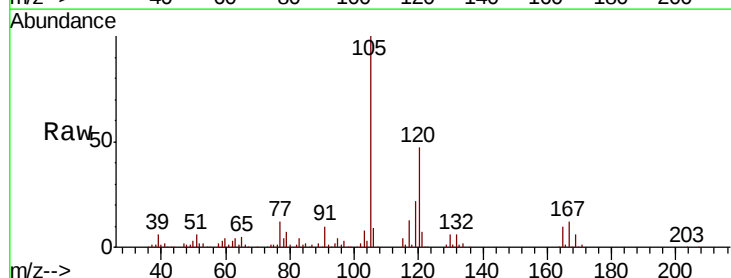
Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

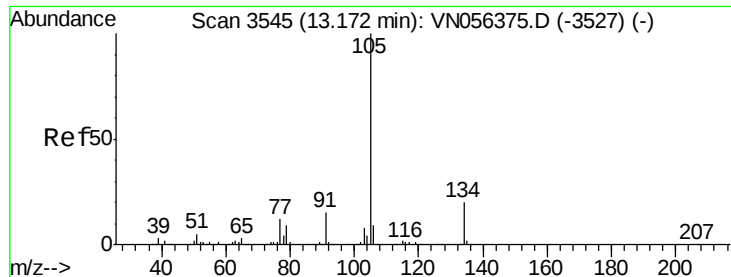
Tot Ion:119 Resp: 203990
Ion Ratio Lower Upper
119 100
91 62.2 31.6 94.7
134 24.1 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 20.014 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion:105 Resp: 235278
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.8





#85

sec-Butylbenzene

Concen: 18.659 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

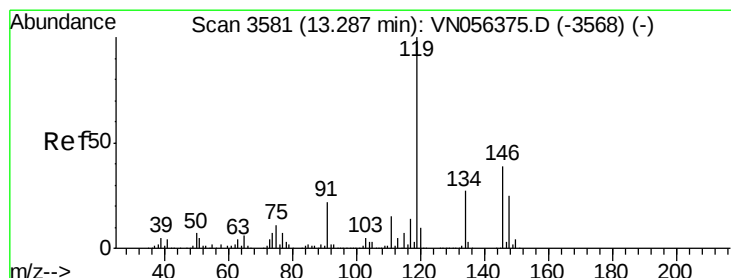
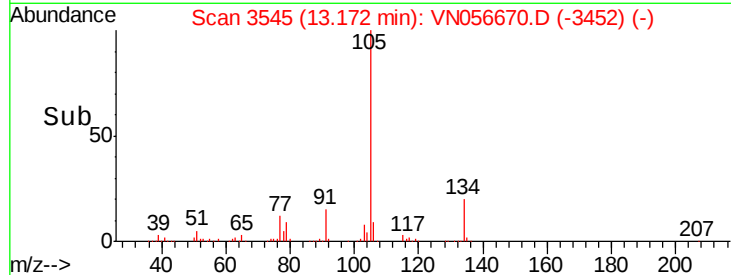
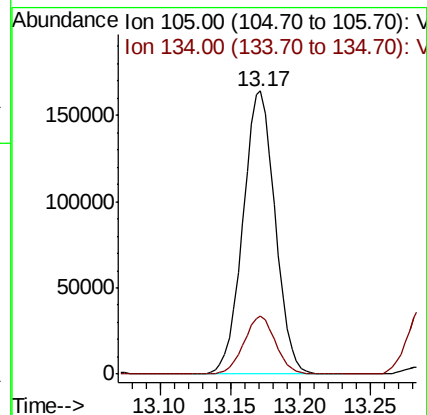
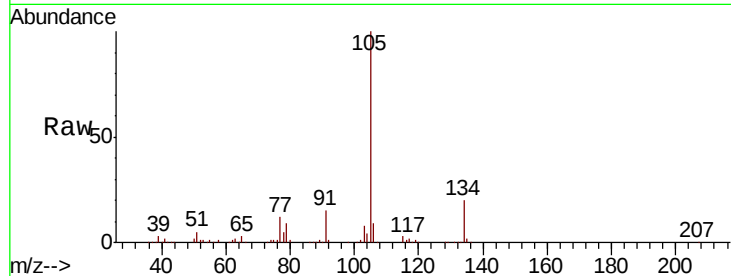
VN0712WBSD01

Tot Ion:105 Resp: 262270

Ion Ratio Lower Upper

105 100

134 20.1 10.2 30.4



#86

p-Isopropyltoluene

Concen: 19.443 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

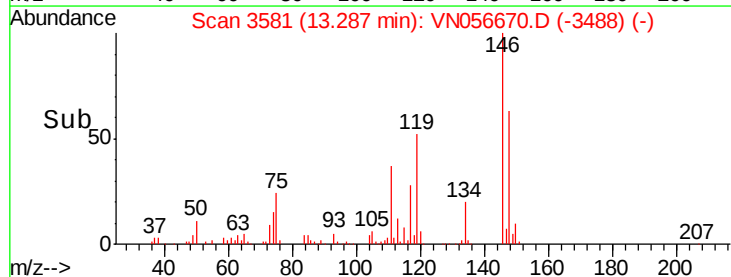
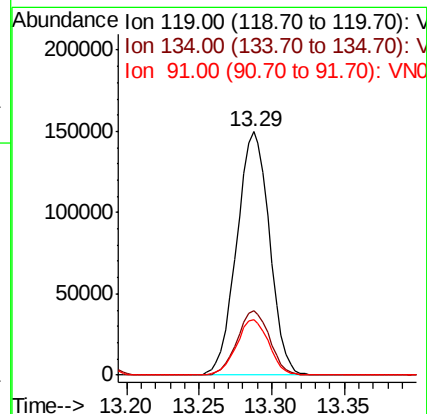
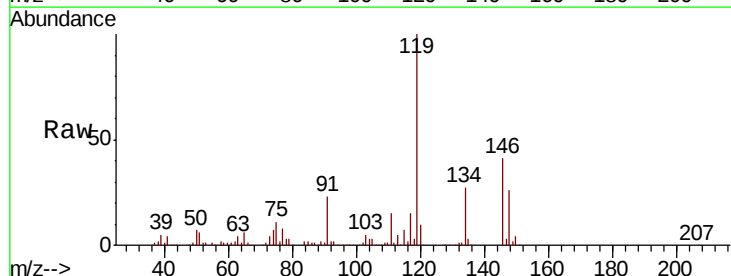
Tgt Ion:119 Resp: 234535

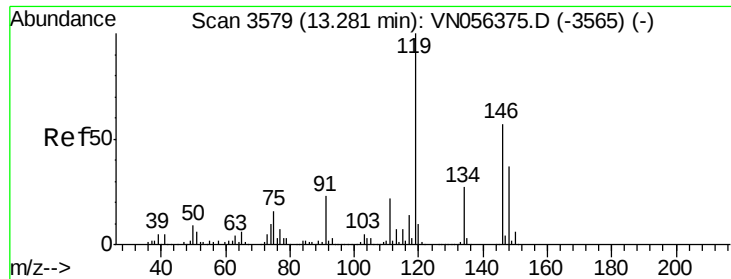
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 22.5 11.2 33.5

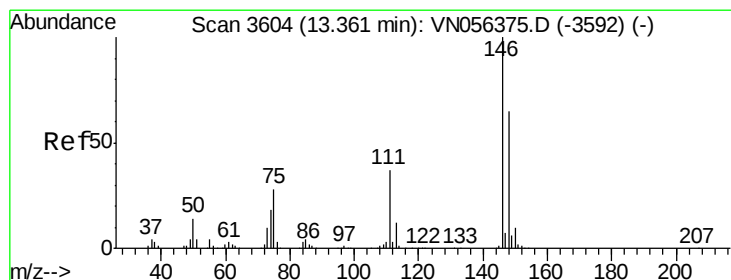
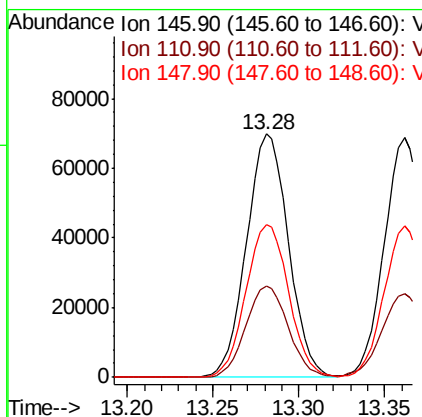
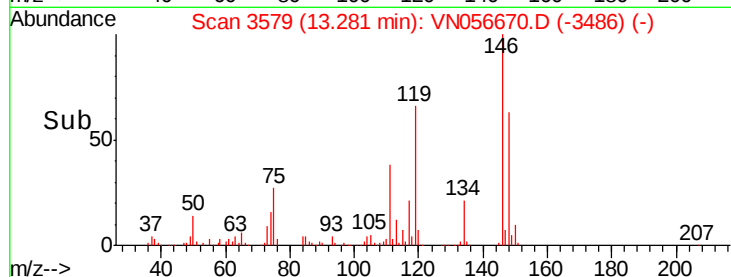
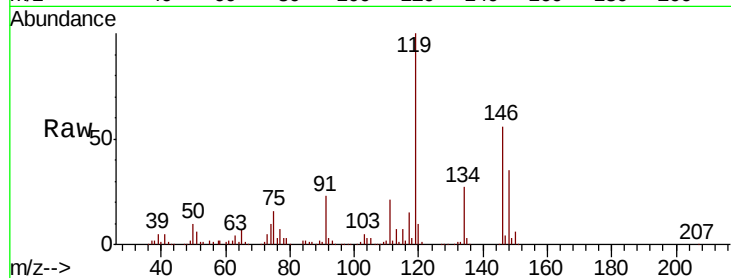




#87
 1,3-Dichlorobenzene
 Concen: 20.027 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

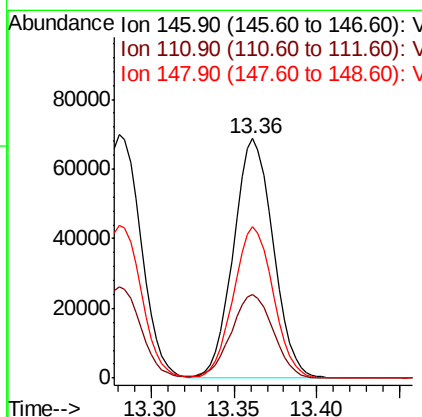
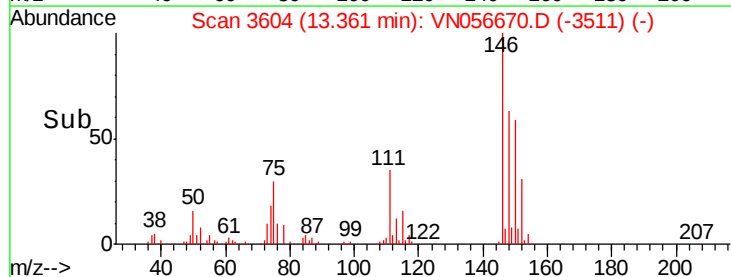
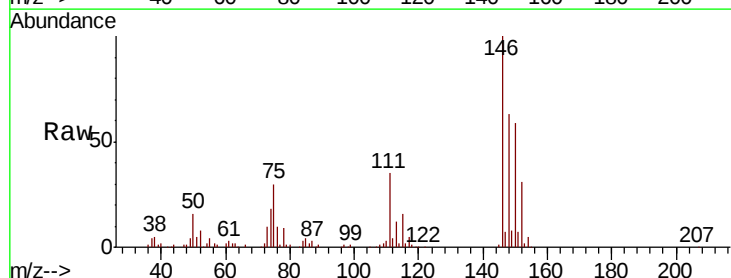
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

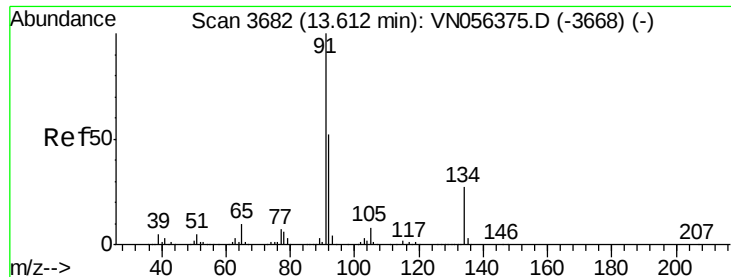
Tot Ion:146 Resp: 118504
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.9
 148 63.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.048 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion:146 Resp: 114893
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.4
 148 63.1 32.4 97.0





#89

n-Butylbenzene

Concen: 20.234 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

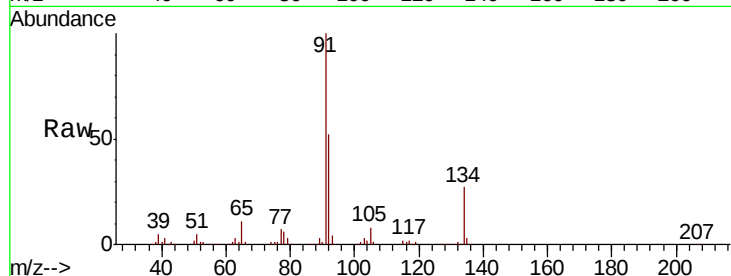
Tot Ion: 91 Resp: 184770

Ion Ratio Lower Upper

91 100

92 51.9 26.2 78.5

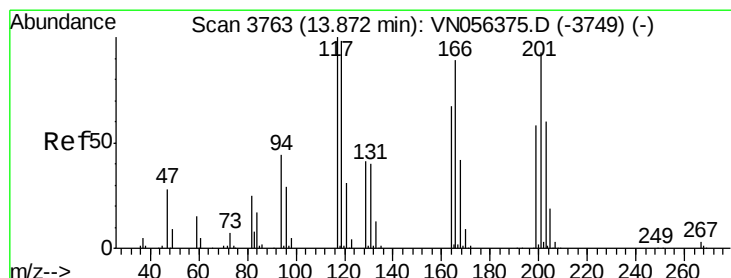
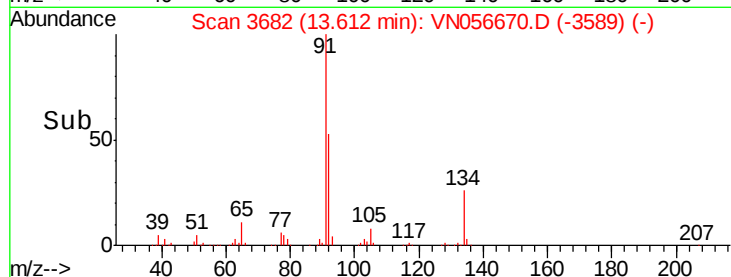
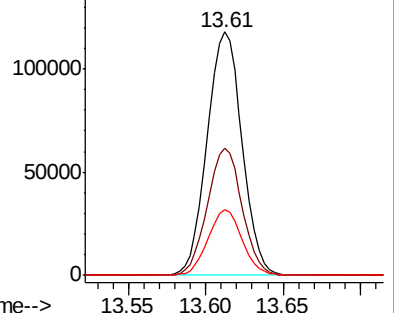
134 26.3 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VN056670.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN056670.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN056670.D (-3682) (-)



#90

Hexachloroethane

Concen: 18.911 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056670.D

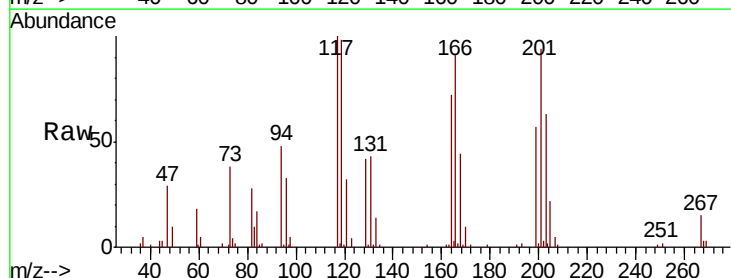
Acq: 11 Jul 2019 17:19

Tgt Ion: 117 Resp: 35565

Ion Ratio Lower Upper

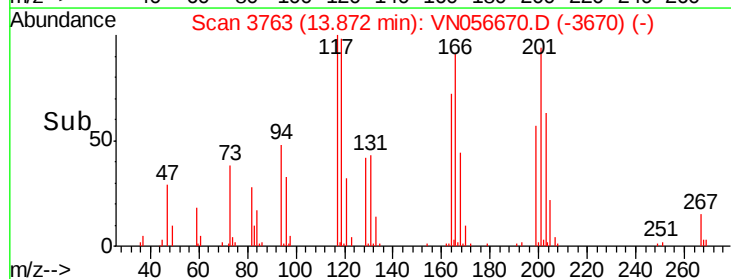
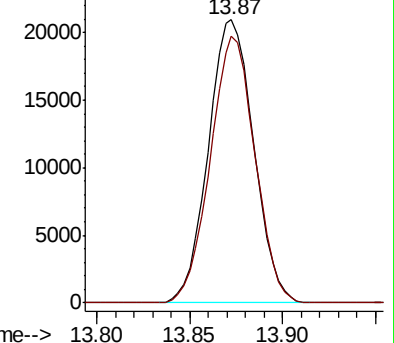
117 100

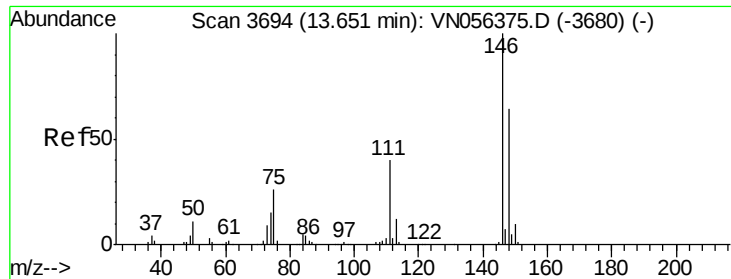
201 92.4 45.9 137.6



Abundance Ion 116.80 (116.50 to 117.50): VN056670.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN056670.D (-3763) (-)





#91

1,2-Dichlorobenzene

Concen: 20.942 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

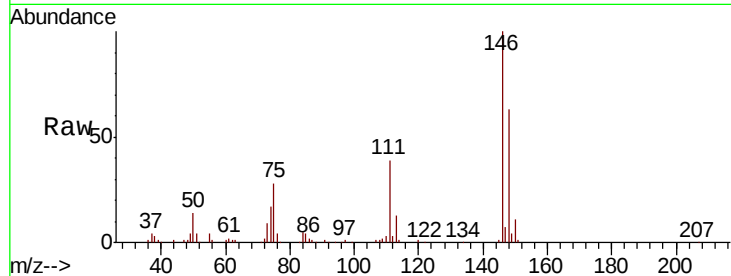
Tot Ion:146 Resp: 122949

Ion Ratio Lower Upper

146 100

111 39.4 19.3 57.9

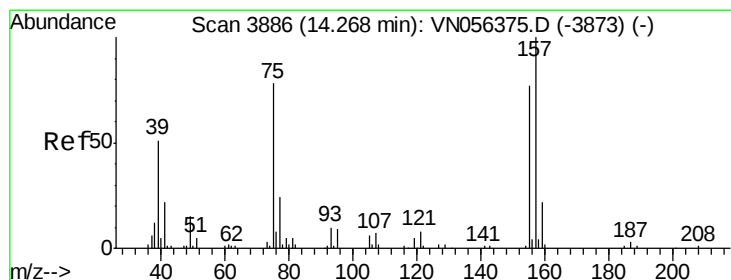
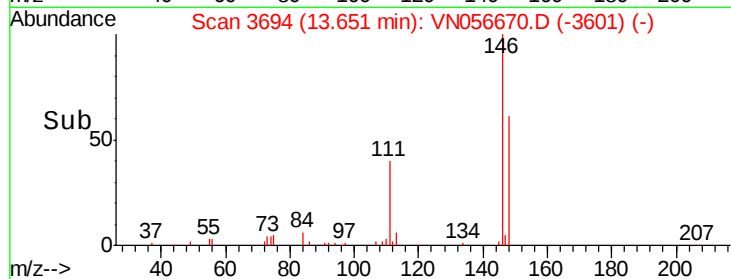
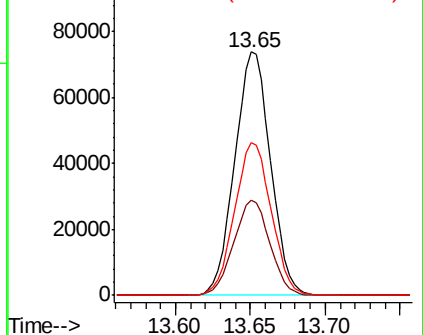
148 63.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.694 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

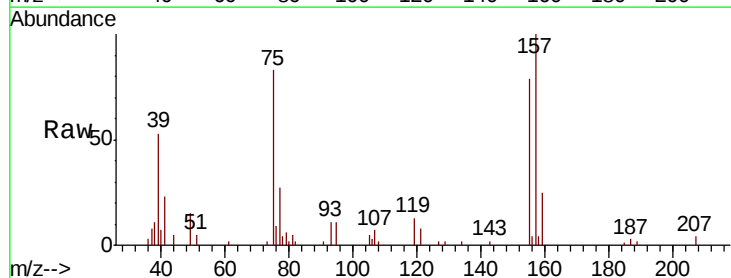
Tgt Ion: 75 Resp: 15956

Ion Ratio Lower Upper

75 100

155 92.1 48.9 146.8

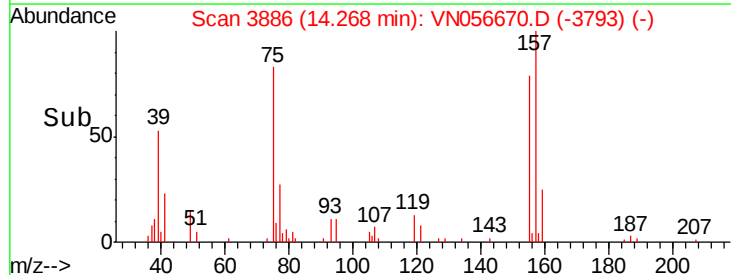
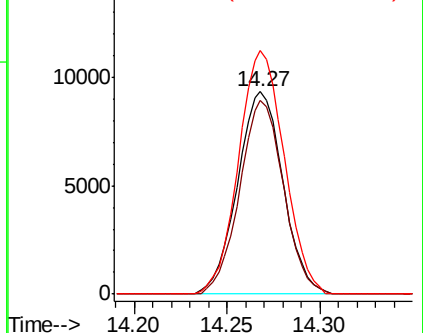
157 120.8 62.9 188.8

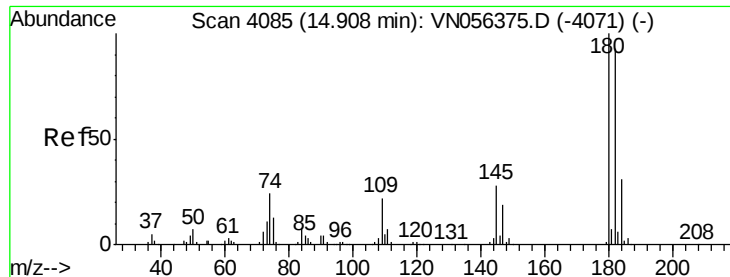


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

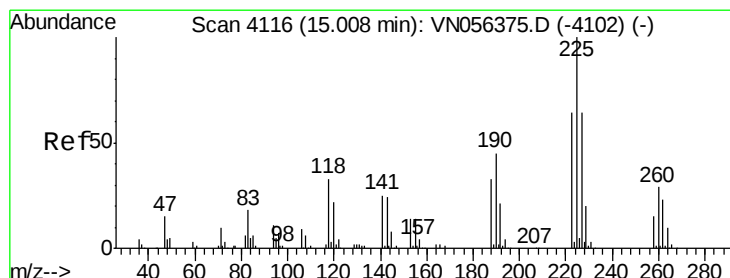
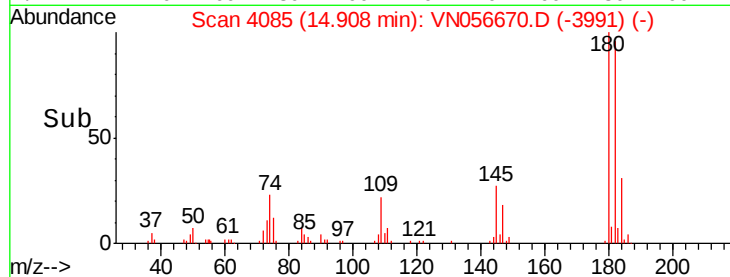
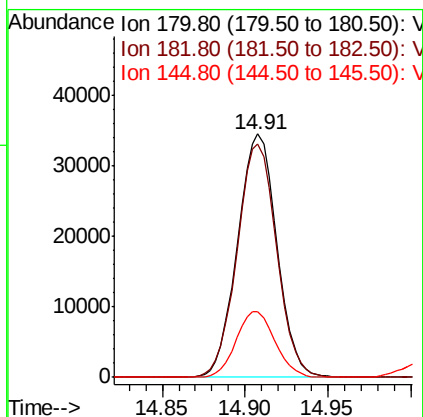
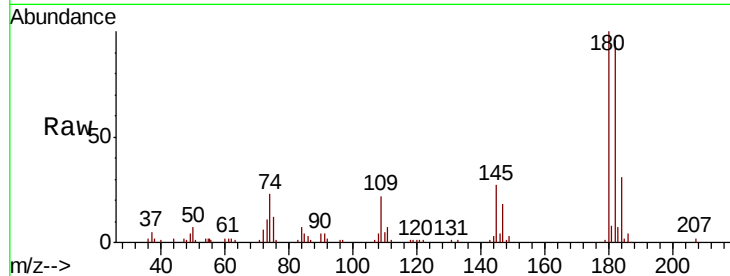




#93
 1,2,4-Trichlorobenzene
 Concen: 22.092 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

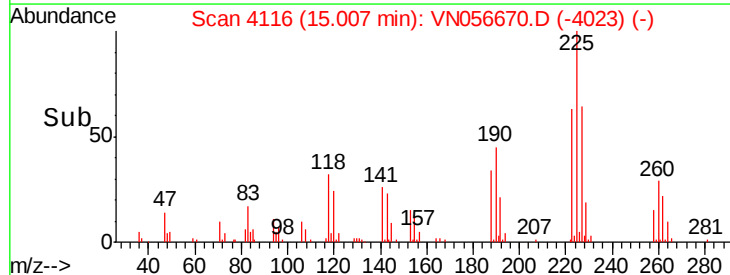
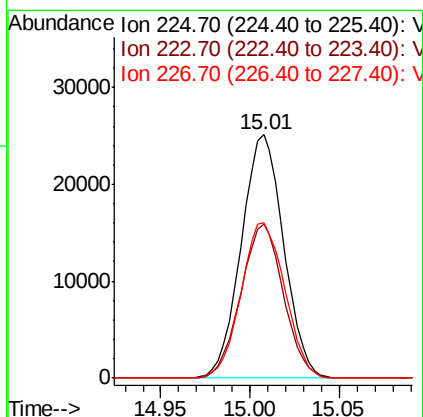
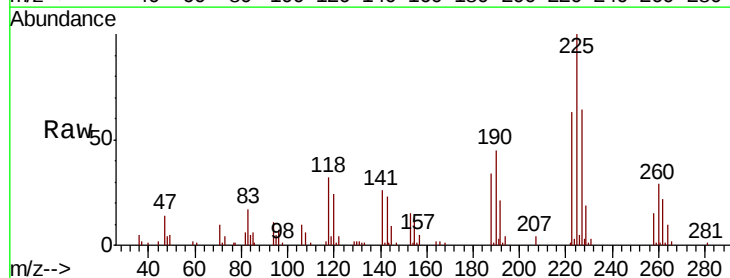
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

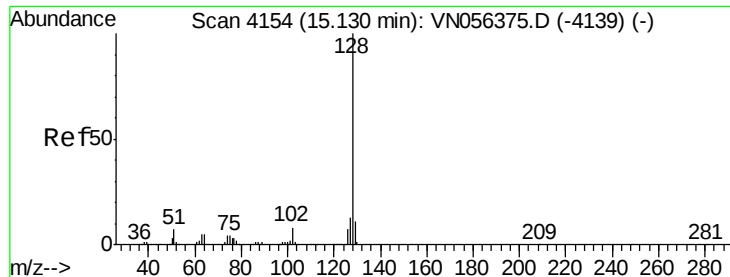
Tot Ion:180 Resp: 56750
 Ion Ratio Lower Upper
 180 100
 182 96.5 46.9 140.6
 145 26.9 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 19.818 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion:225 Resp: 41684
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.4 94.3
 227 65.8 32.1 96.3





#95

Naphthalene

Concen: 21.321 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

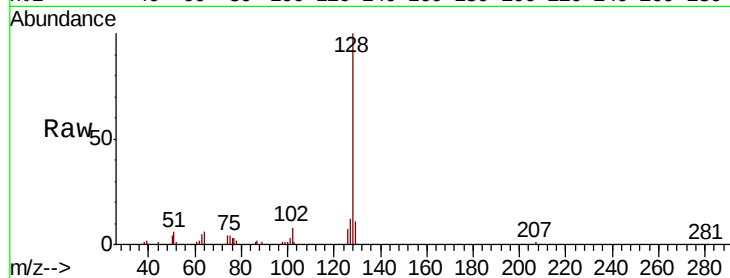
Tot Ion:128 Resp: 143510

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

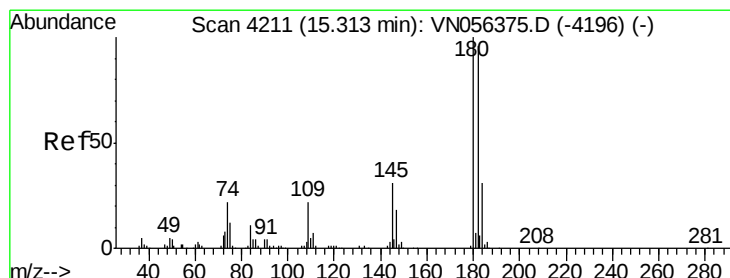
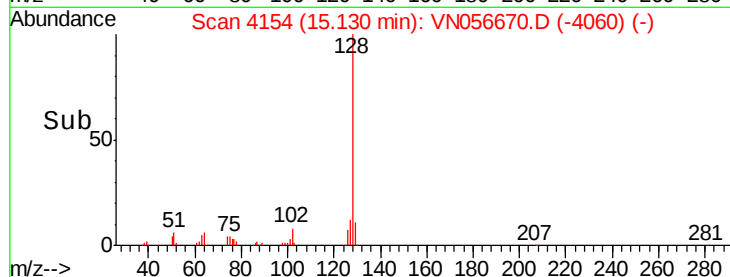
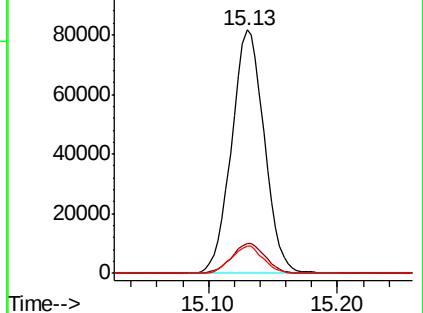
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.047 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

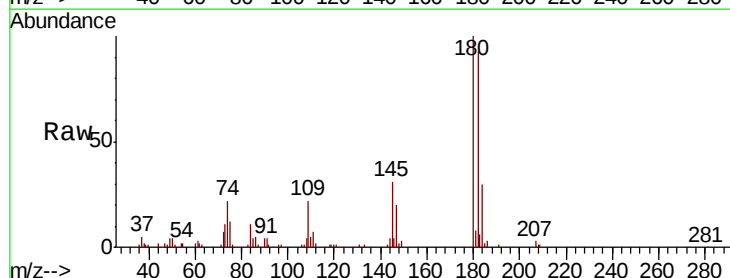
Tgt Ion:180 Resp: 61123

Ion Ratio Lower Upper

180 100

182 95.2 48.3 144.8

145 29.5 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

