

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058841.D
 Acq On : 17 Oct 2019 20:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 01:31:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	350433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	566507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	531312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267790	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	269787	54.99	ug/l	0.00
Spiked Amount			Recovery	=	109.98%	
35) Dibromofluoromethane	7.57	113	196053	56.03	ug/l	0.00
Spiked Amount			Recovery	=	112.06%	
50) Toluene-d8	10.08	98	743008	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.40	95	281107	53.07	ug/l	0.00
Spiked Amount			Recovery	=	106.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	227682	52.167	ug/l	99
3) Chloromethane	2.04	50	259325	49.968	ug/l	100
4) Vinyl Chloride	2.17	62	268789	52.000	ug/l	99
5) Bromomethane	2.54	94	162058	51.538	ug/l	98
6) Chloroethane	2.68	64	170426	53.454	ug/l	99
7) Trichlorofluoromethane	3.00	101	333640	53.933	ug/l	100
8) Diethyl Ether	3.39	74	120465	52.705	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	193744	54.928	ug/l	96
10) Methyl Iodide	3.93	142	251093	52.166	ug/l	98
11) Tert butyl alcohol	4.75	59	213884	269.194	ug/l	99
12) 1,1-Dichloroethene	3.72	96	179348	53.292	ug/l	95
13) Acrolein	3.58	56	92850	145.303	ug/l	99
14) Allyl chloride	4.30	41	368309	54.230	ug/l	98
15) Acrylonitrile	4.96	53	591128	295.019	ug/l	98
16) Acetone	3.79	43	560954	276.188	ug/l	99
17) Carbon Disulfide	4.03	76	517011	48.060	ug/l	100
18) Methyl Acetate	4.30	43	316408	61.415	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	681693	56.726	ug/l	96
20) Methylene Chloride	4.53	84	221530	52.188	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	198623	52.763	ug/l	98
22) Diisopropyl ether	5.93	45	767900	58.152	ug/l	99
23) Vinyl Acetate	5.87	43	3240420	304.114	ug/l	100
24) 1,1-Dichloroethane	5.82	63	420773	55.948	ug/l	99
25) 2-Butanone	6.81	43	844786	287.765	ug/l	100
26) 2,2-Dichloropropane	6.80	77	337799	49.204	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	231991	52.848	ug/l	100
28) Bromochloromethane	7.18	49	145118	55.464	ug/l	98
29) Tetrahydrofuran	7.19	42	557015	293.609	ug/l	100
30) Chloroform	7.35	83	420506	55.651	ug/l	99
31) Cyclohexane	7.63	56	365824	50.837	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	363371	56.388	ug/l	99
36) 1,1-Dichloropropene	7.77	75	306537	53.518	ug/l	99
37) Ethyl Acetate	6.91	43	349142	60.273	ug/l	98
38) Carbon Tetrachloride	7.75	117	315414	56.502	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	344533	51.837	ug/l	97
40) Benzene	8.02	78	910883	55.372	ug/l	99
41) Methacrylonitrile	7.19	41	510897	188.412	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	355789	56.297	ug/l	100
43) Isopropyl Acetate	8.15	43	569200	57.681	ug/l	99
44) Trichloroethene	8.82	130	218413	53.466	ug/l	99
45) 1,2-Dichloropropane	9.11	63	255885	58.106	ug/l	99
46) Dibromomethane	9.20	93	160651	57.540	ug/l	98
47) Bromodichloromethane	9.39	83	334871	58.899	ug/l	99
48) Methyl methacrylate	9.19	41	264646	59.163	ug/l	99
49) 1,4-Dioxane	9.19	88	74965	1083.285	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1786182	322.296	ug/l	99
52) Toluene	10.15	92	555417	55.204	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	373290	57.245	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	391354	56.525	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	227322	55.202	ug/l	99
56) Ethyl methacrylate	10.43	69	358007	59.508	ug/l	99
57) 1,3-Dichloropropane	10.70	76	402548	57.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	806764	278.264	ug/l	99
59) 2-Hexanone	10.75	43	1339840	312.833	ug/l	99
60) Dibromochloromethane	10.90	129	249965	58.843	ug/l	100
61) 1,2-Dibromoethane	11.00	107	233826	56.677	ug/l	99
64) Tetrachloroethene	10.63	164	195798	52.658	ug/l	95
65) Chlorobenzene	11.43	112	595493	55.190	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	229530	57.529	ug/l	99
67) Ethyl Benzene	11.51	91	1095765	56.971	ug/l	100
68) m/p-Xylenes	11.62	106	810124	112.238	ug/l	99
69) o-Xylene	11.95	106	386165	55.297	ug/l	100
70) Styrene	11.97	104	652521	57.009	ug/l	99
71) Bromoform	12.13	173	178994	61.205	ug/l	98
73) Isopropylbenzene	12.25	105	1071421	55.245	ug/l	99
74) N-amyl acetate	12.07	43	503981	57.859	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	362769	56.781	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	479956	81.699	ug/l #	100
77) Bromobenzene	12.53	156	255091	54.076	ug/l	99
78) n-propylbenzene	12.59	91	1266591	56.046	ug/l	100
79) 2-Chlorotoluene	12.68	91	749967	53.467	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	919986	55.563	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	121794	55.535	ug/l	96
82) 4-Chlorotoluene	12.78	91	774653	53.819	ug/l	100
83) tert-Butylbenzene	13.00	119	778277	54.869	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	926528	56.368	ug/l	100
85) sec-Butylbenzene	13.18	105	1057722	56.592	ug/l	99
86) p-Isopropyltoluene	13.29	119	952196	56.055	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	462041	53.111	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	456555	51.616	ug/l	99
89) n-Butylbenzene	13.62	91	865173	55.082	ug/l	99
90) Hexachloroethane	13.88	117	176797	58.167	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	457753	53.987	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	79168	53.041	ug/l	94

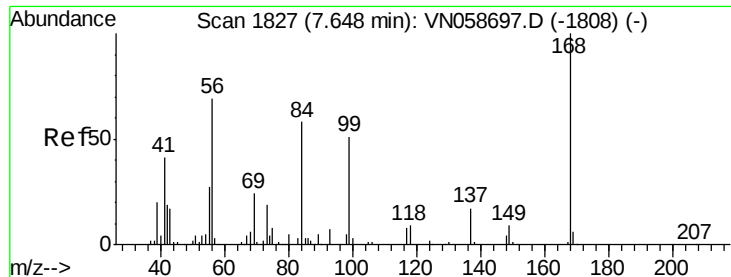
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	270452	52.289	ug/l	99
94) Hexachlorobutadiene	15.01	225	140122	51.444	ug/l	99
95) Naphthalene	15.13	128	787970	53.009	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	258458	51.182	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

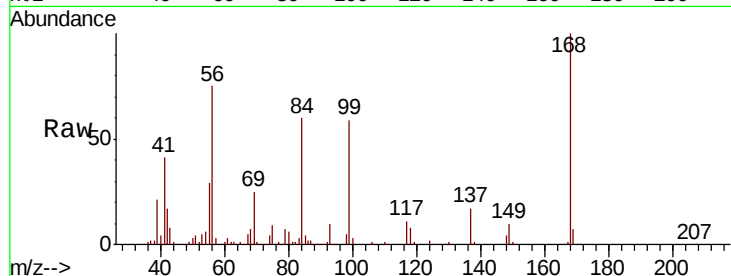
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 350433

Ion Ratio Lower Upper

168 100

99 58.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

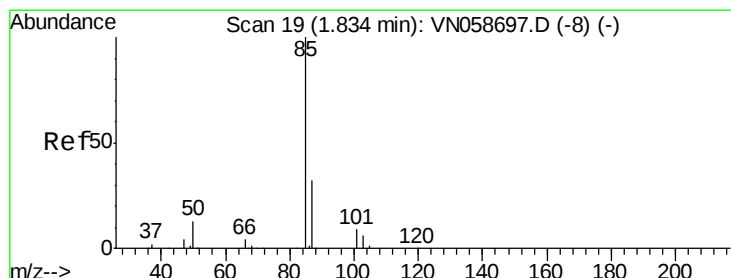
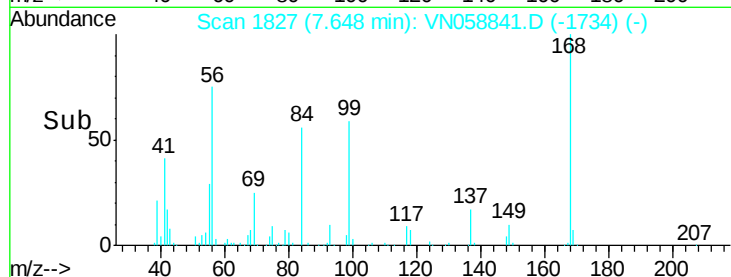
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.167 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058841.D

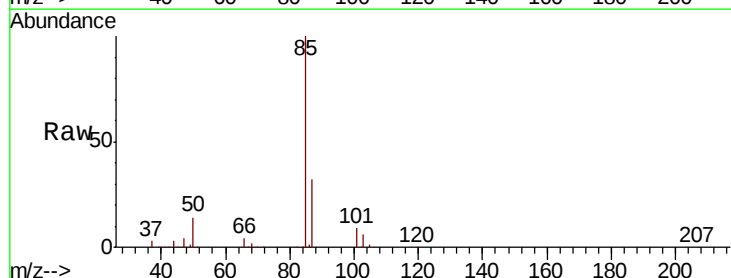
Acq: 17 Oct 2019 20:18

Tgt Ion: 85 Resp: 227682

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

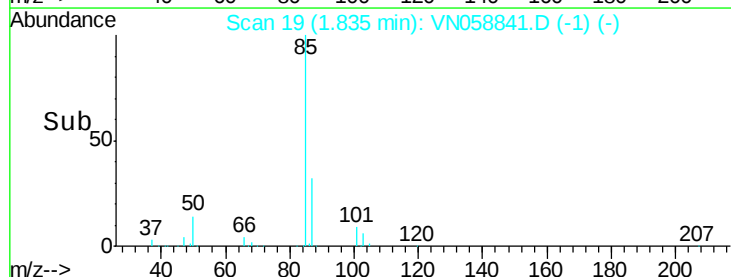
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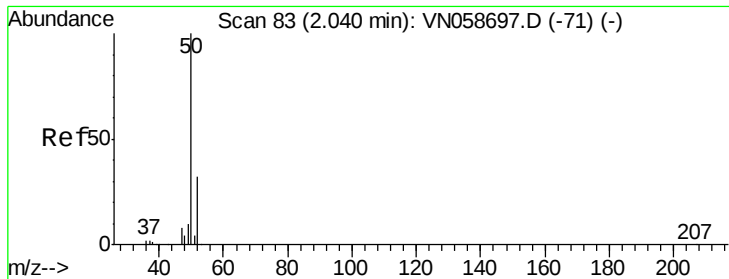
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 49.968 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

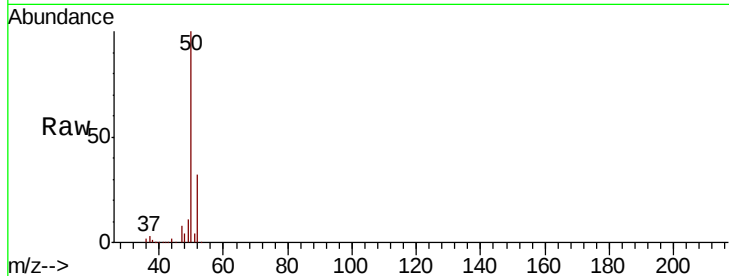
ClientSampled :

Tot Ion: 50 Resp: 259325

Ion Ratio Lower Upper

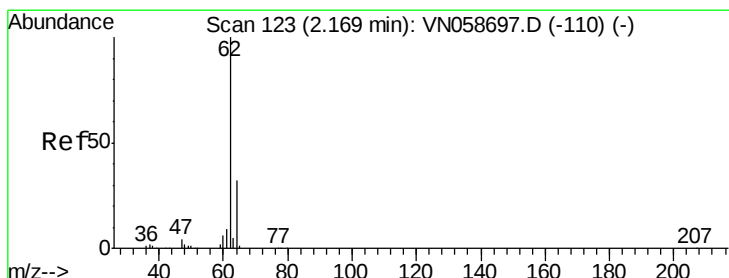
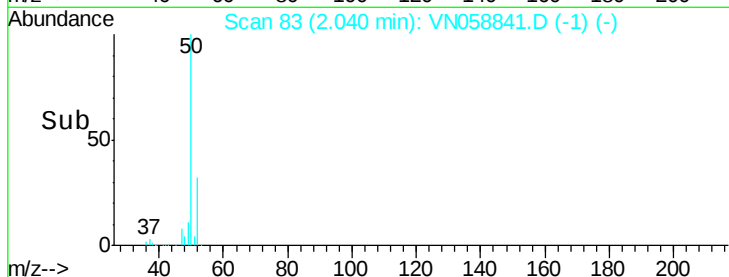
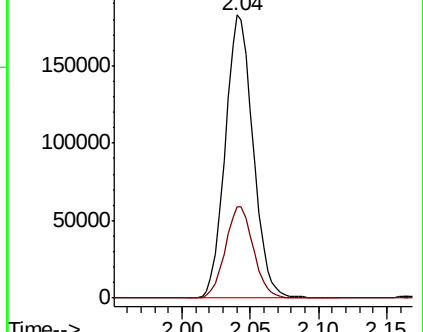
50 100

52 32.4 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN058697.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN058697.D (-71) (-)



#4

Vinyl Chloride

Concen: 52.000 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058841.D

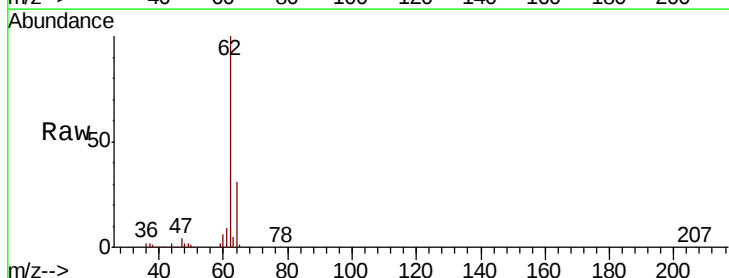
Acq: 17 Oct 2019 20:18

Tgt Ion: 62 Resp: 268789

Ion Ratio Lower Upper

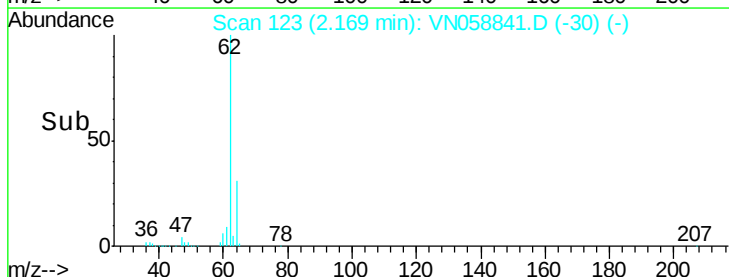
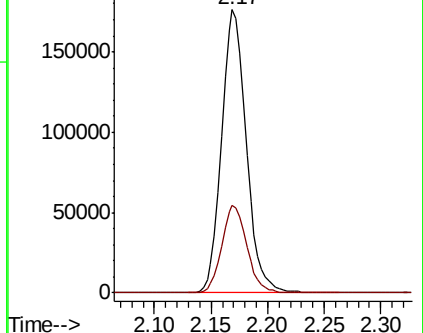
62 100

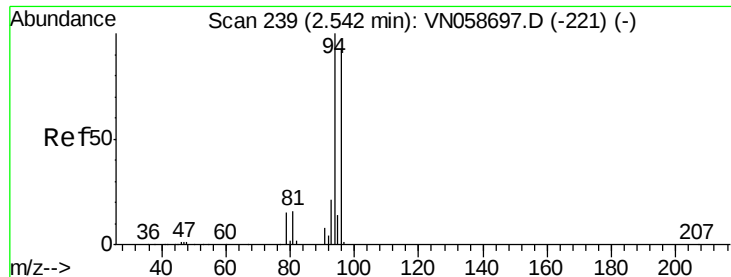
64 31.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN058697.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN058697.D (-110) (-)





#5

Bromomethane

Concen: 51.538 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

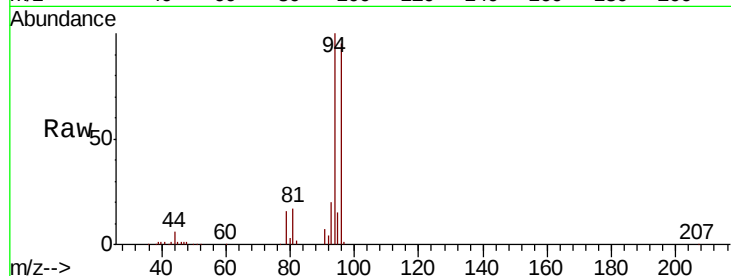
ClientSampleId :

Tot Ion: 94 Resp: 162058

Ion Ratio Lower Upper

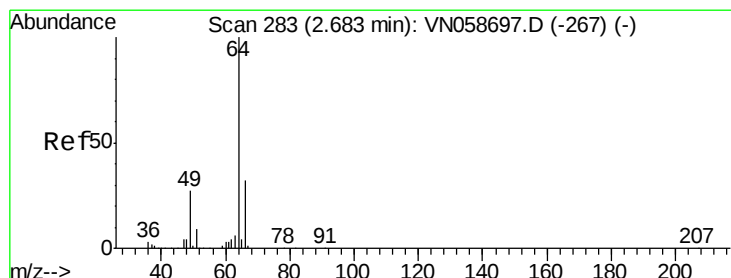
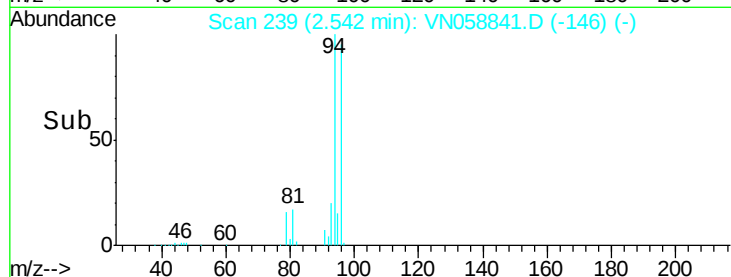
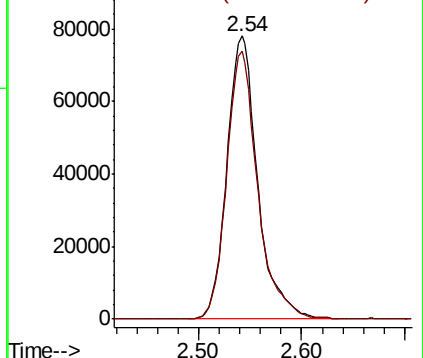
94 100

96 94.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 53.454 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058841.D

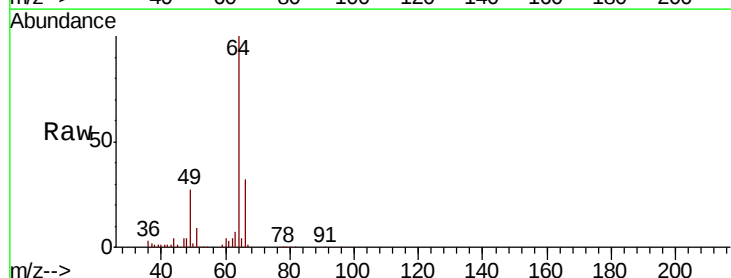
Acq: 17 Oct 2019 20:18

Tgt Ion: 64 Resp: 170426

Ion Ratio Lower Upper

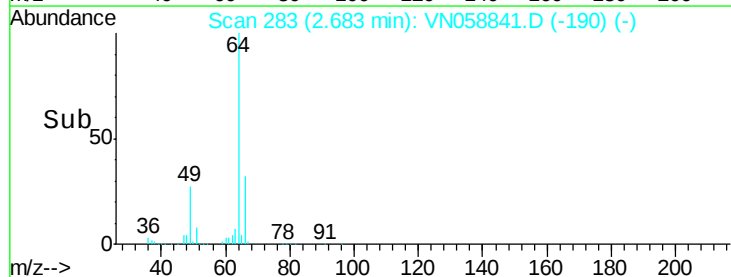
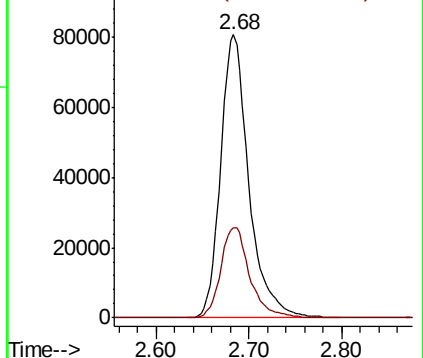
64 100

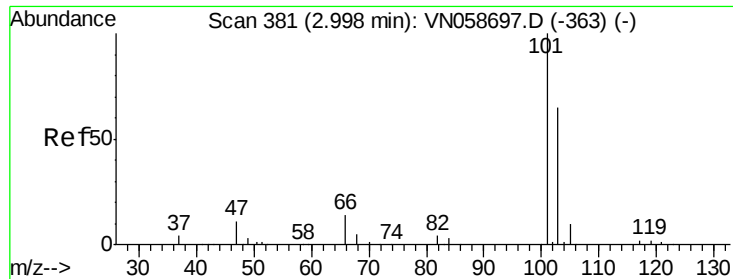
66 31.4 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



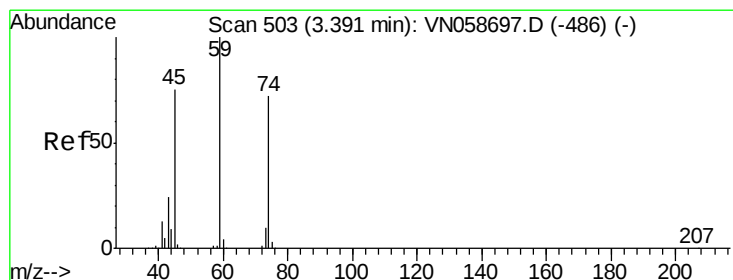
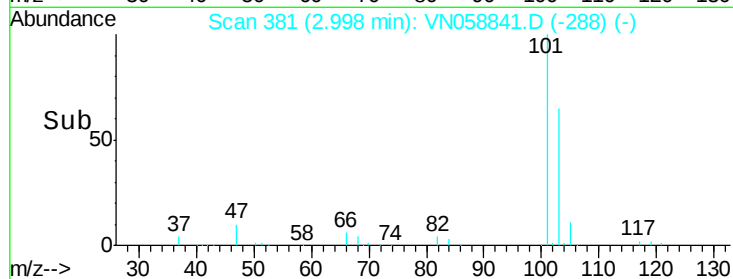
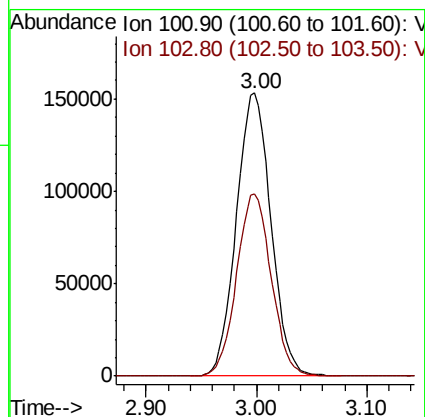
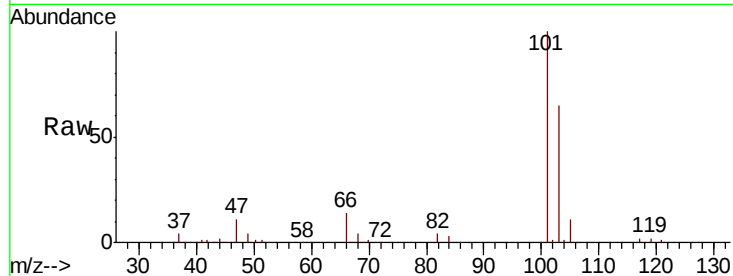


#7

Trichlorofluoromethane
Concen: 53.933 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampled :

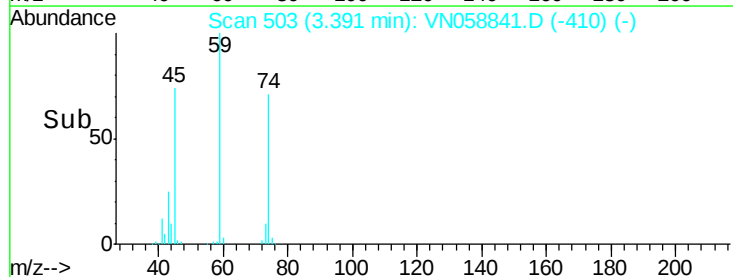
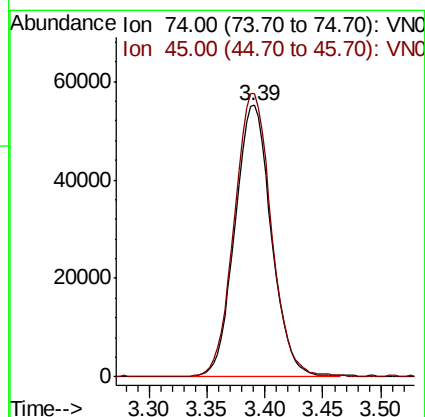
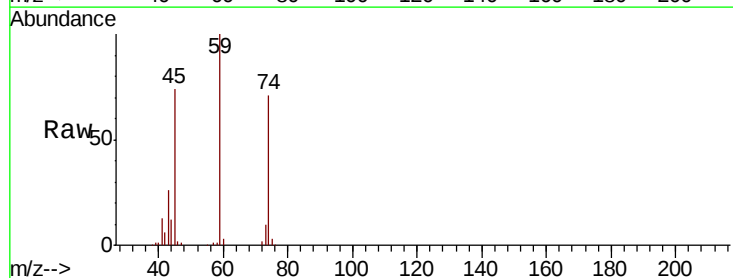
Tot Ion:101 Resp: 333640
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6

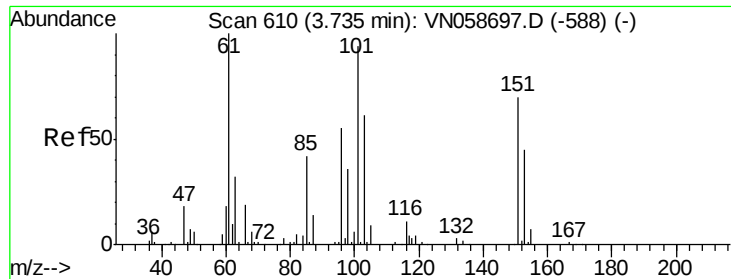


#8

Diethyl Ether
Concen: 52.705 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion: 74 Resp: 120465
Ion Ratio Lower Upper
74 100
45 106.5 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.928 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

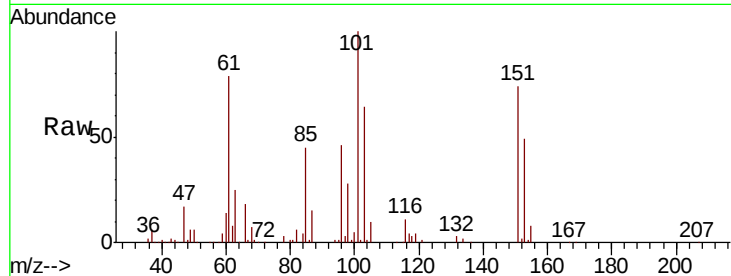
Tot Ion:101 Resp: 193744

Ion Ratio Lower Upper

101 100

85 45.5 37.0 55.6

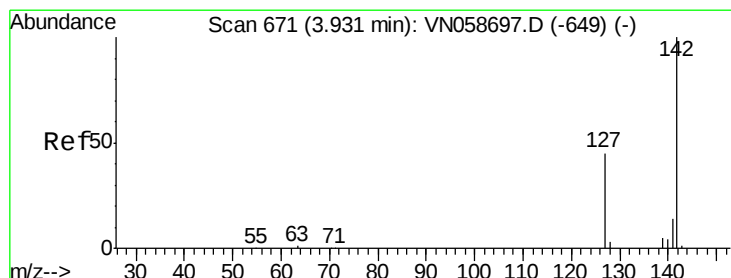
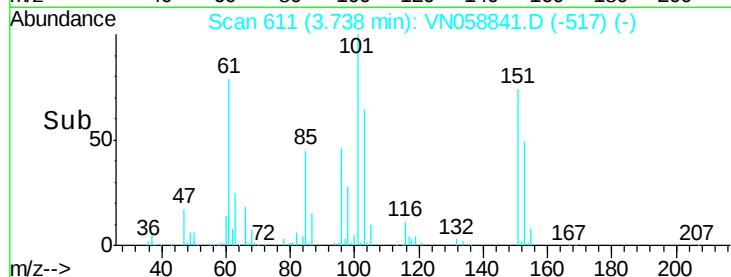
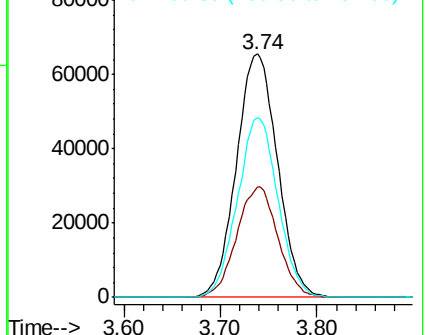
151 72.9 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.166 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

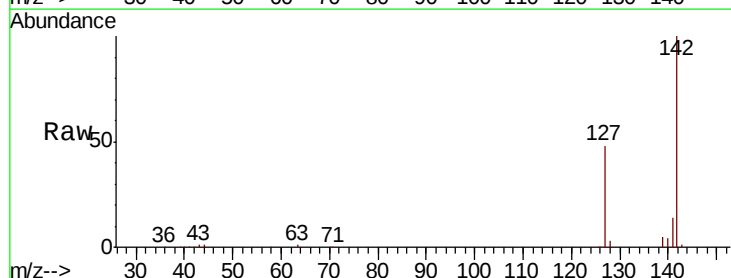
Tgt Ion:142 Resp: 251093

Ion Ratio Lower Upper

142 100

127 47.5 36.4 54.6

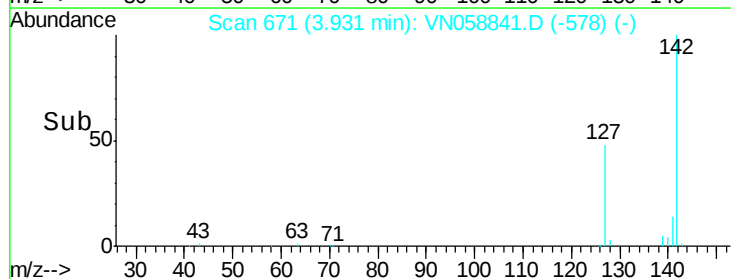
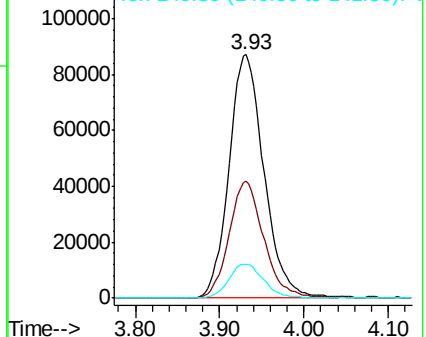
141 14.2 11.1 16.7

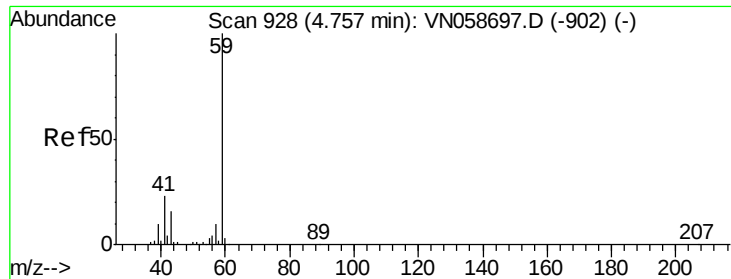


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

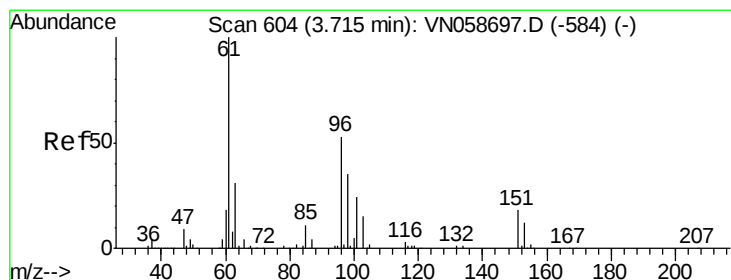
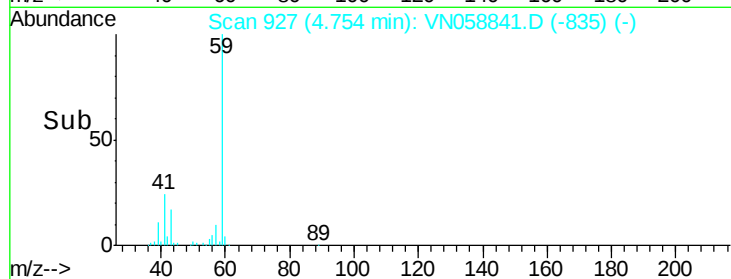
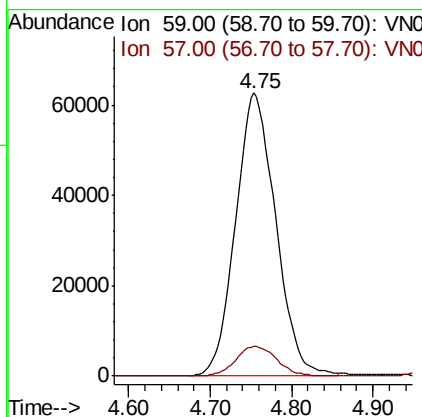
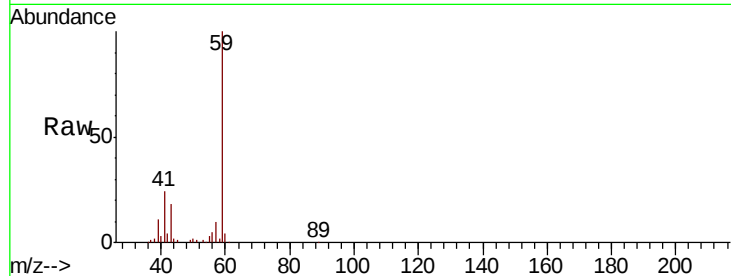




#11
Tert butyl alcohol
Concen: 269.194 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

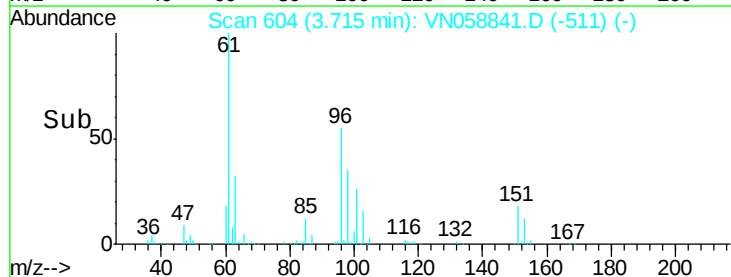
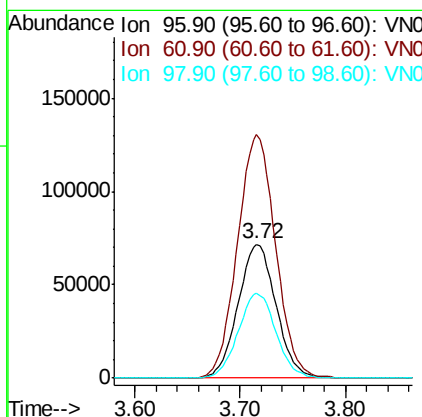
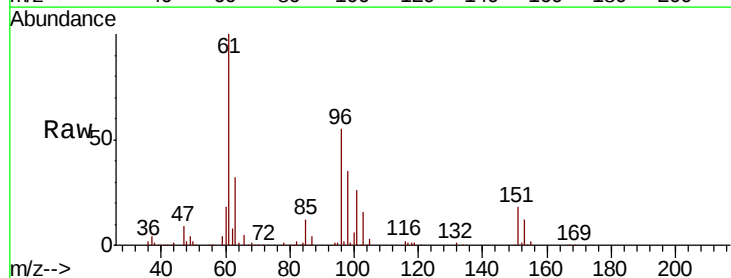
Instrument :
MSVOA_N
ClientSampleId :

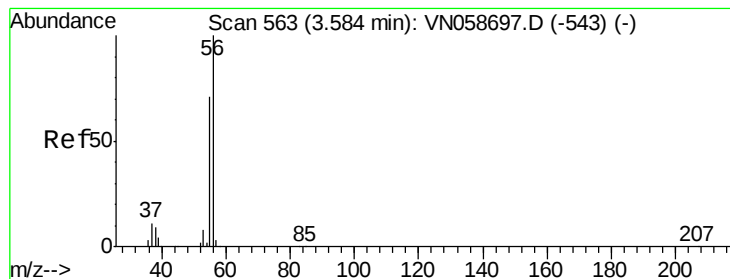
Tot Ion: 59 Resp: 213884
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6



#12
1,1-Dichloroethene
Concen: 53.292 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion: 96 Resp: 179348
Ion Ratio Lower Upper
96 100
61 181.6 151.3 226.9
98 63.2 52.6 78.8





#13

Acrolein

Concen: 145.303 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

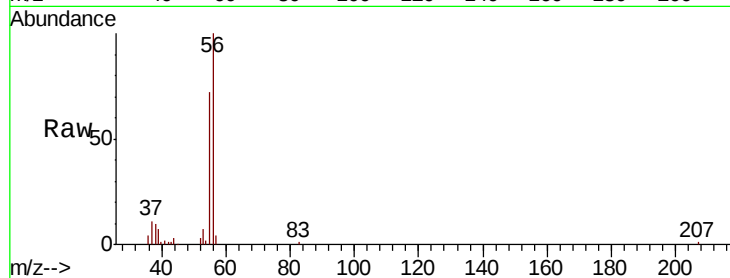
ClientSampleId :

Tot Ion: 56 Resp: 92850

Ion Ratio Lower Upper

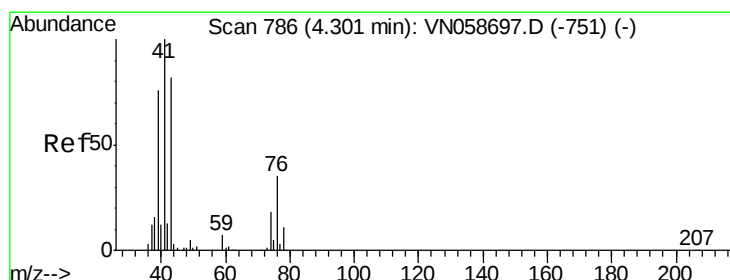
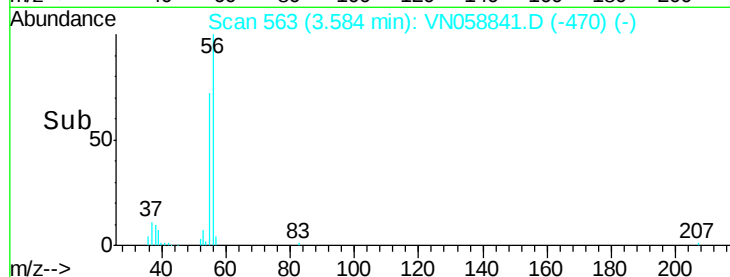
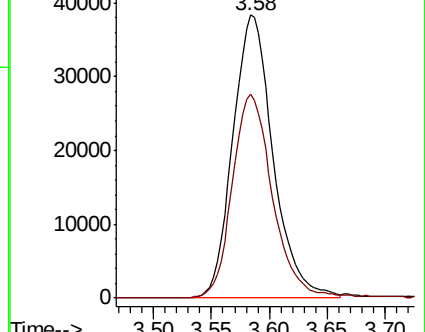
56 100

55 71.9 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN058841.D (-470) (-)

Ion 55.00 (54.70 to 55.70): VN058841.D (-470) (-)



#14

Allyl chloride

Concen: 54.230 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

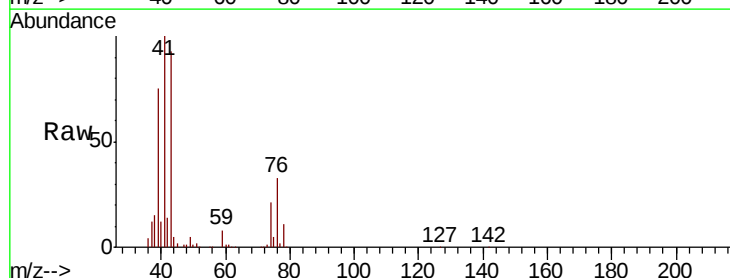
Tgt Ion: 41 Resp: 368309

Ion Ratio Lower Upper

41 100

39 70.3 57.2 85.8

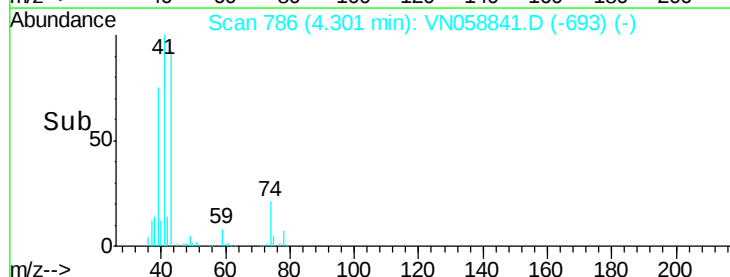
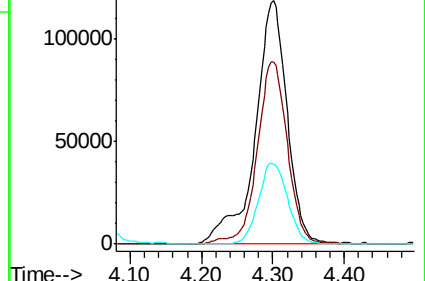
76 30.4 25.0 37.6

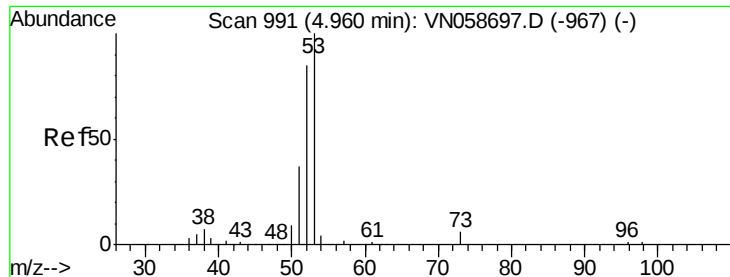


Abundance Ion 41.00 (40.70 to 41.70): VN058841.D (-693) (-)

Ion 39.00 (38.70 to 39.70): VN058841.D (-693) (-)

Ion 75.90 (75.60 to 76.60): VN058841.D (-693) (-)





#15

Acrylonitrile

Concen: 295.019 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

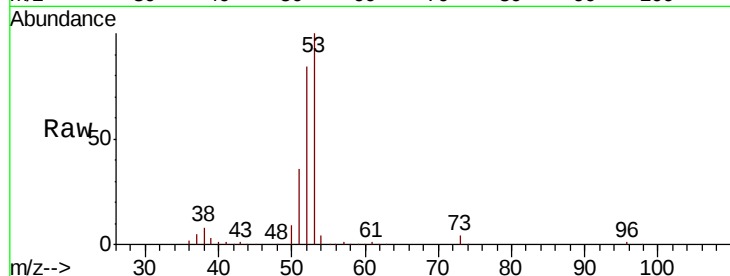
Tot Ion: 53 Resp: 591128

Ion Ratio Lower Upper

53 100

52 84.3 66.2 99.2

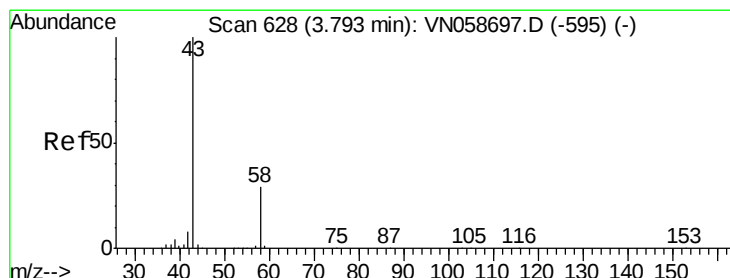
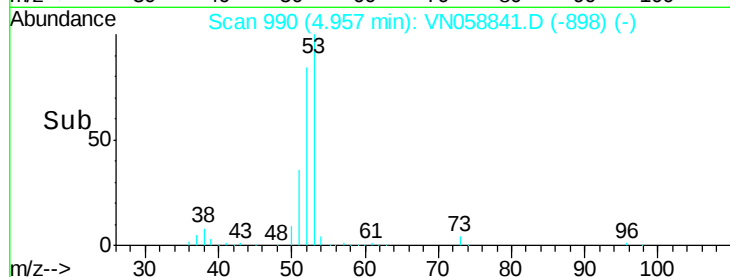
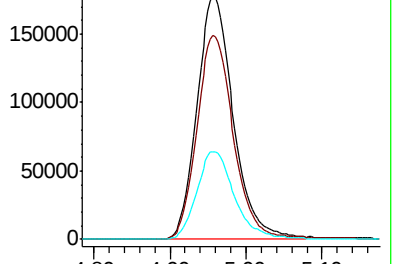
51 37.6 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN058841.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VN058841.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VN058841.D (-535) (-)



#16

Acetone

Concen: 276.188 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058841.D

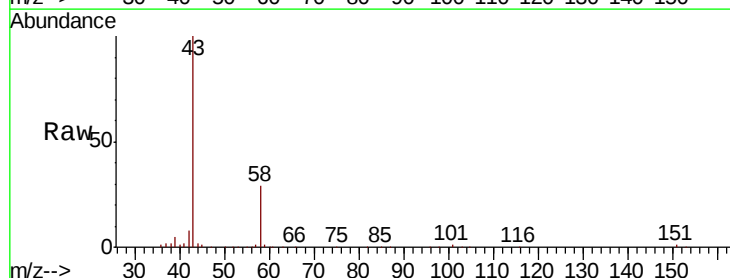
Acq: 17 Oct 2019 20:18

Tgt Ion: 43 Resp: 560954

Ion Ratio Lower Upper

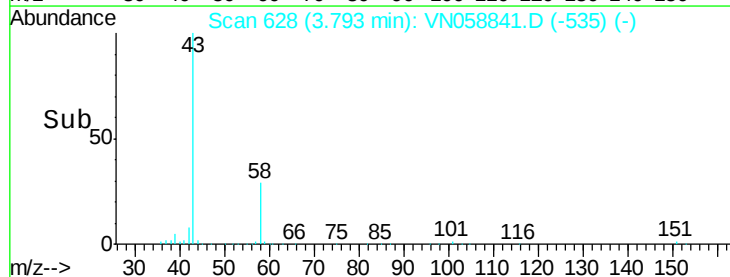
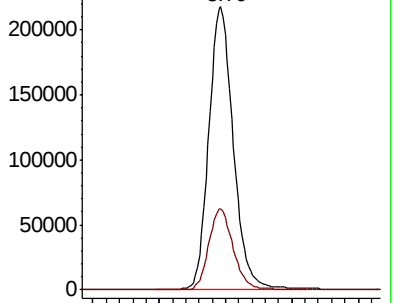
43 100

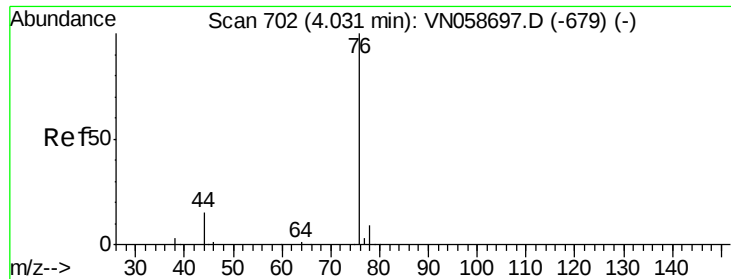
58 28.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN058841.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058841.D (-535) (-)

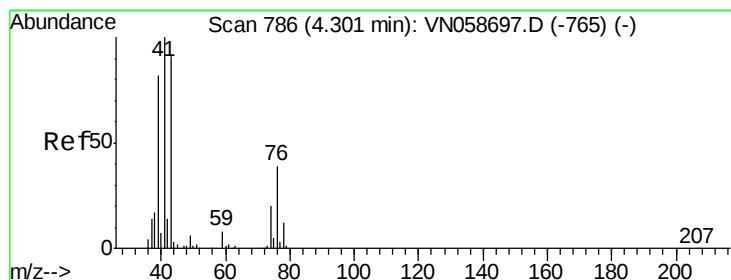
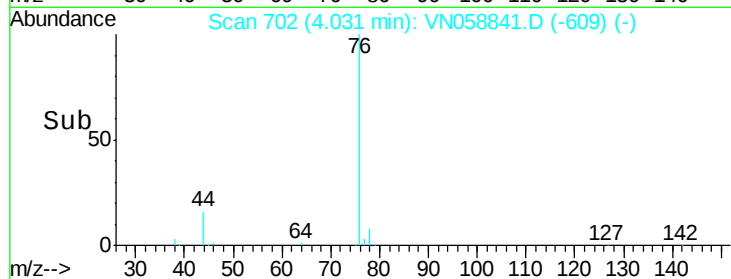
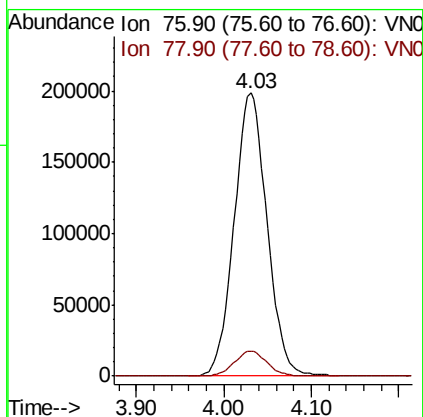
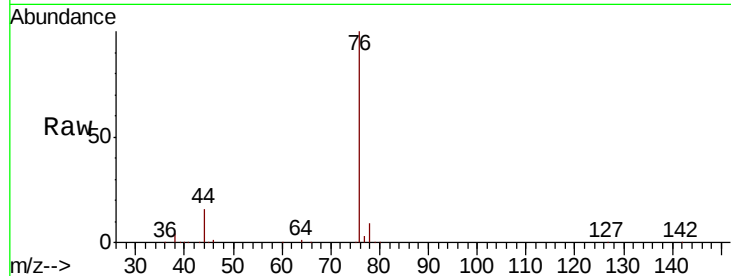




#17
Carbon Disulfide
Concen: 48.060 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

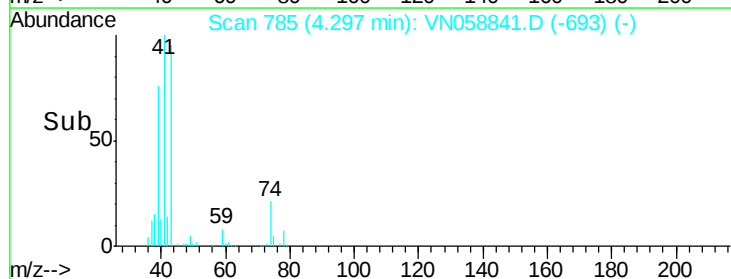
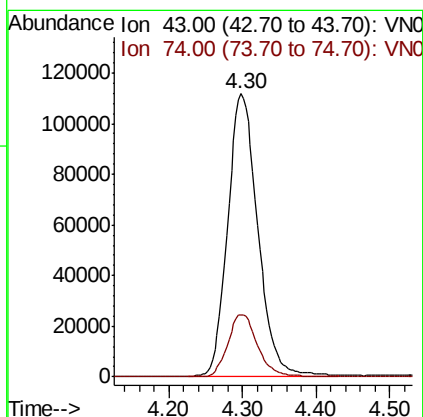
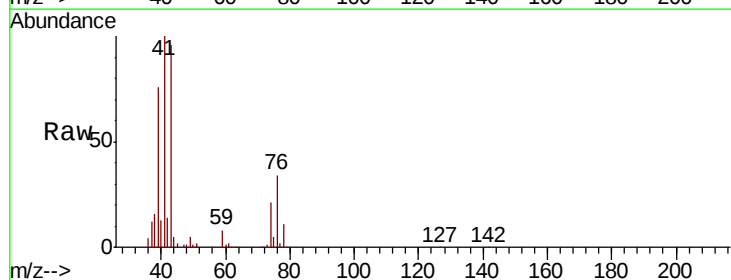
Instrument :
MSVOA_N
ClientSampleId :

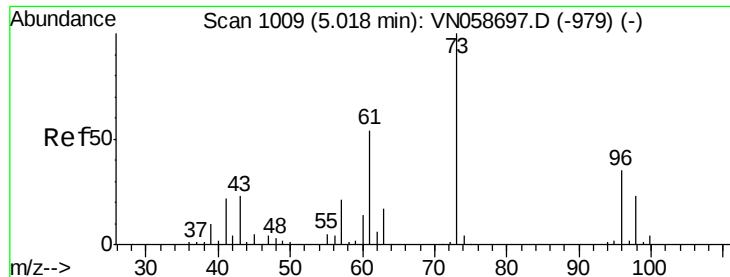
Tot Ion: 76 Resp: 517011
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 61.415 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion: 43 Resp: 316408
Ion Ratio Lower Upper
43 100
74 21.8 17.2 25.8

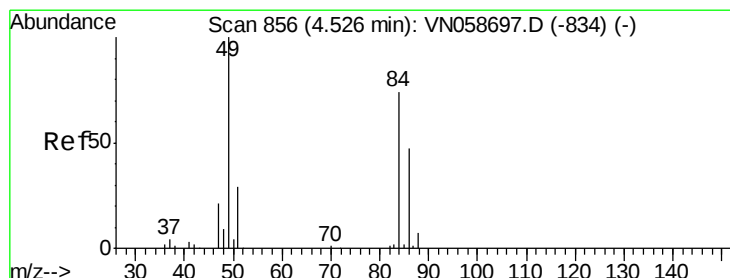
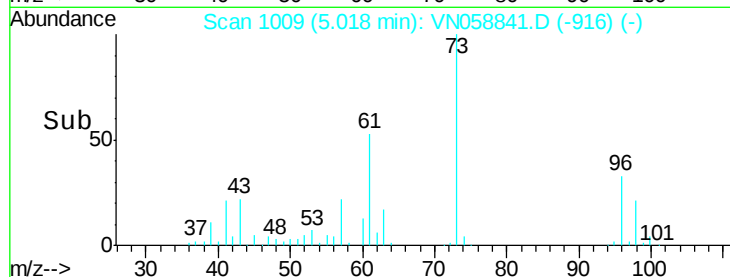
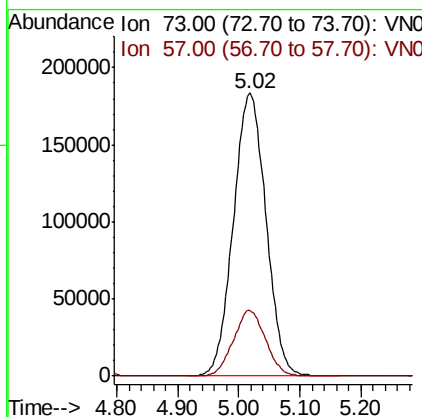
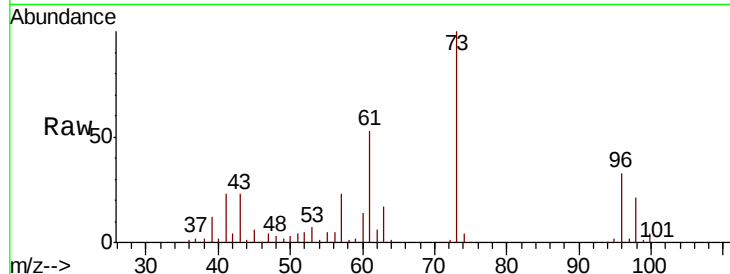




#19
Methyl tert-butyl Ether
Concen: 56.726 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

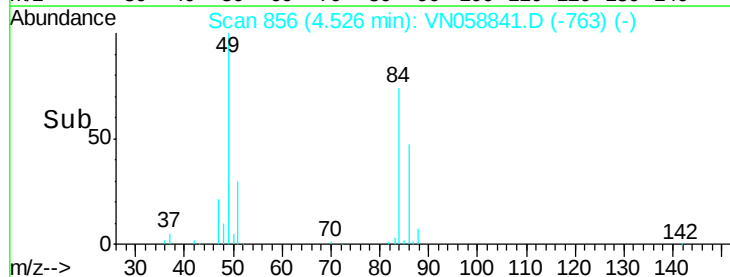
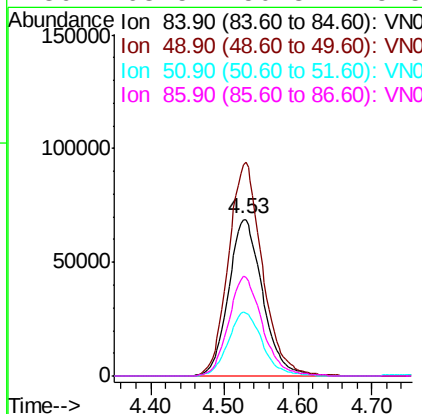
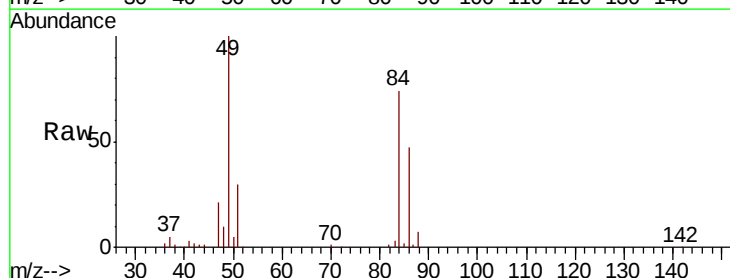
Instrument :
MSVOA_N
ClientSampleId :

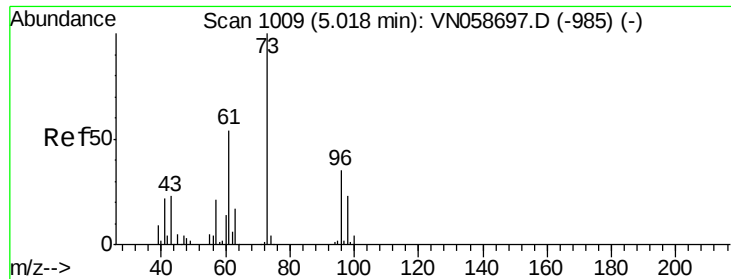
Tot Ion: 73 Resp: 681693
Ion Ratio Lower Upper
73 100
57 23.3 17.0 25.6



#20
Methylene Chloride
Concen: 52.188 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion: 84 Resp: 221530
Ion Ratio Lower Upper
84 100
49 134.9 107.6 161.4
51 40.9 31.4 47.0
86 63.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 52.763 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

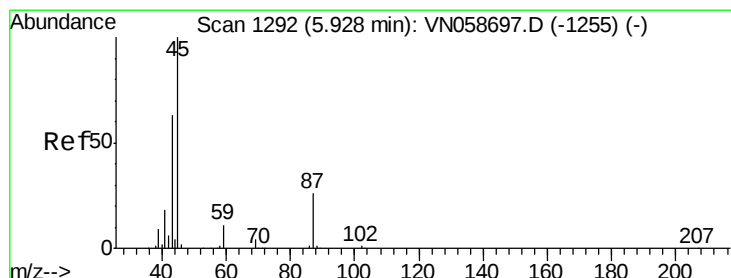
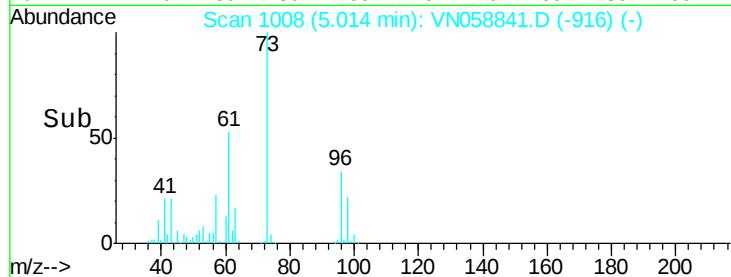
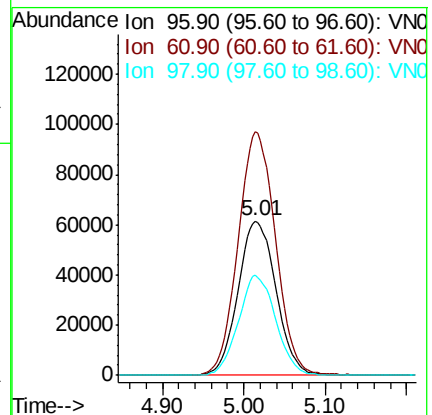
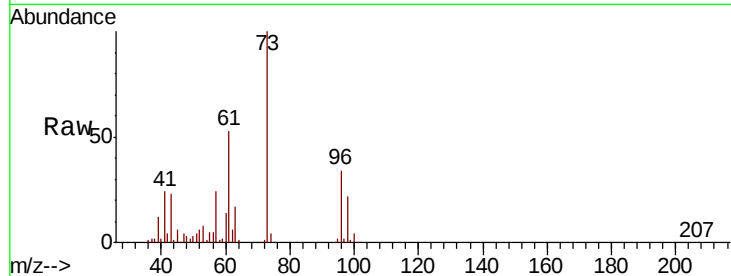
Tot Ion: 96 Resp: 198623

Ion Ratio Lower Upper

96 100

61 157.6 123.6 185.4

98 64.7 52.1 78.1



#22

Diisopropyl ether

Concen: 58.152 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion: 45 Resp: 767900

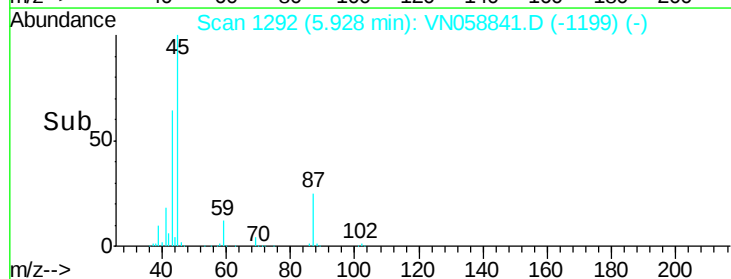
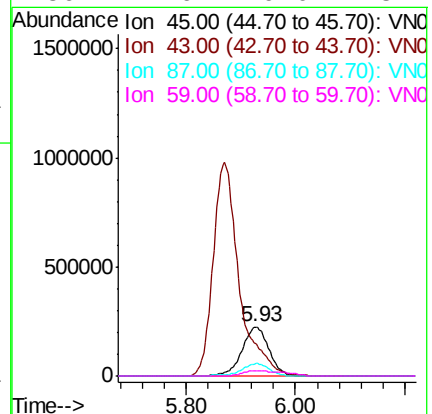
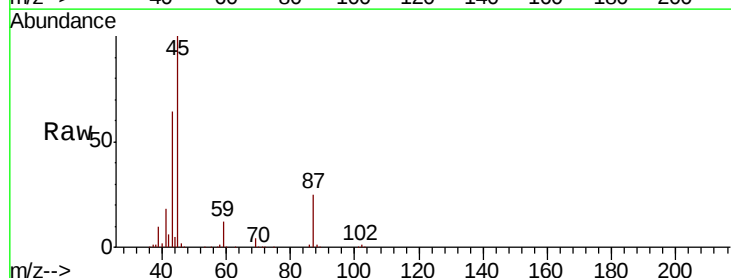
Ion Ratio Lower Upper

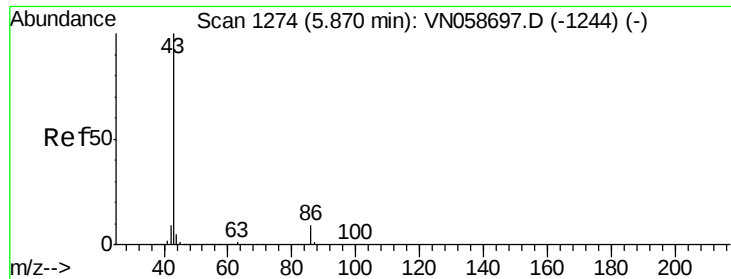
45 100

43 63.3 50.6 75.8

87 25.1 21.1 31.7

59 11.6 9.0 13.4





#23

Vinyl Acetate

Concen: 304.114 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

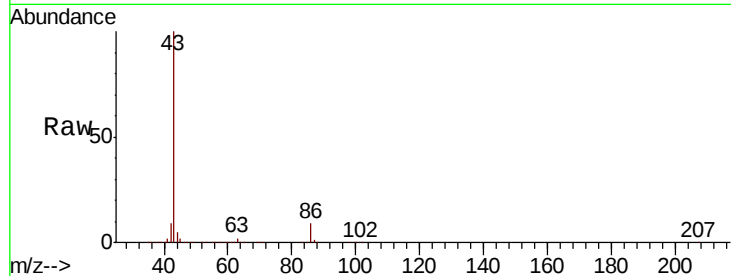
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3240420

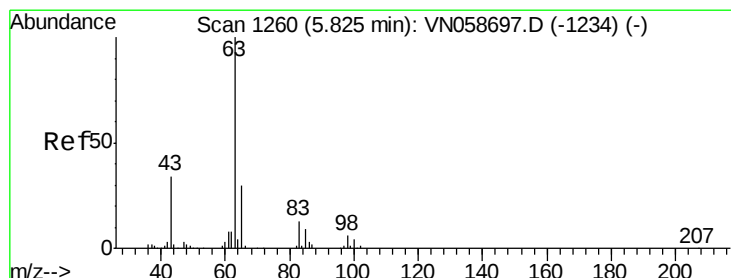
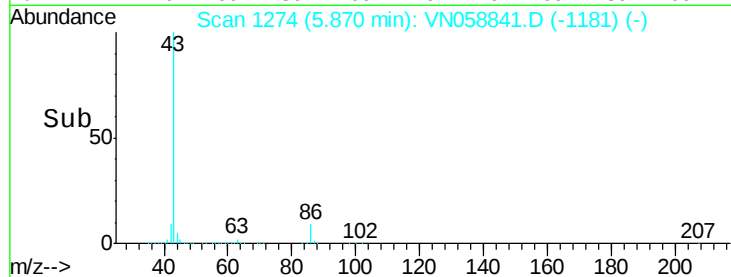
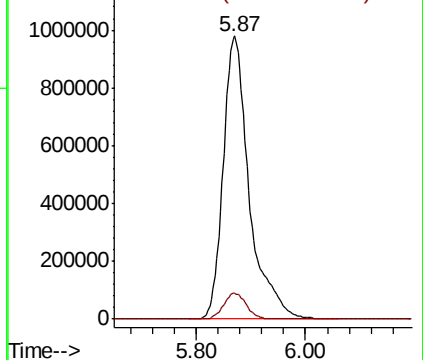
Ion Ratio Lower Upper

43 100

86 9.1 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 55.948 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

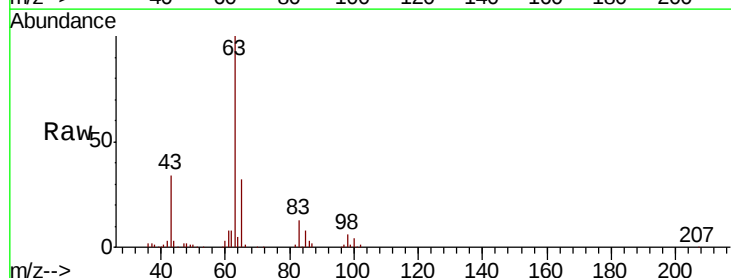
Tgt Ion: 63 Resp: 420773

Ion Ratio Lower Upper

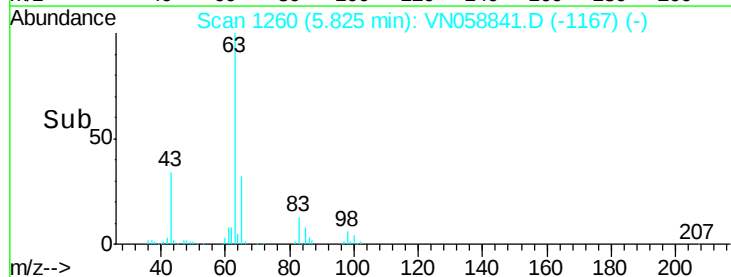
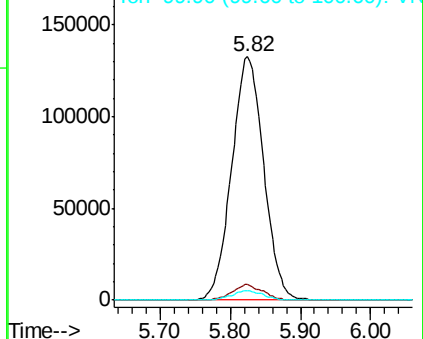
63 100

98 6.3 2.9 8.6

100 3.8 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 287.765 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

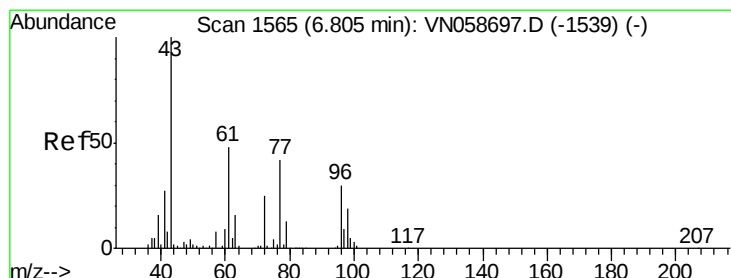
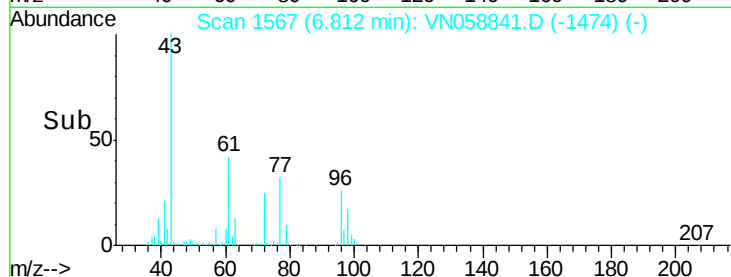
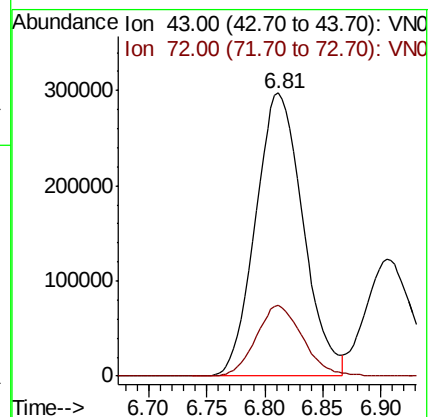
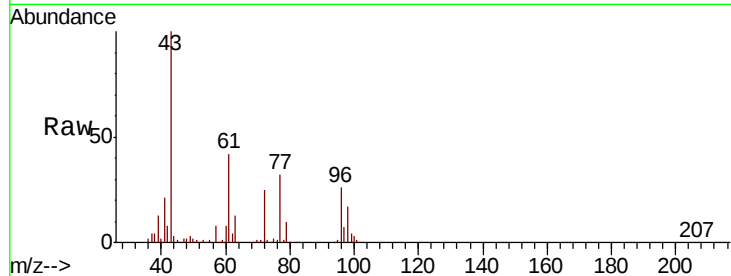
ClientSampled :

Tot Ion: 43 Resp: 844786

Ion Ratio Lower Upper

43 100

72 25.0 20.2 30.2



#26

2,2-Dichloropropane

Concen: 49.204 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058841.D

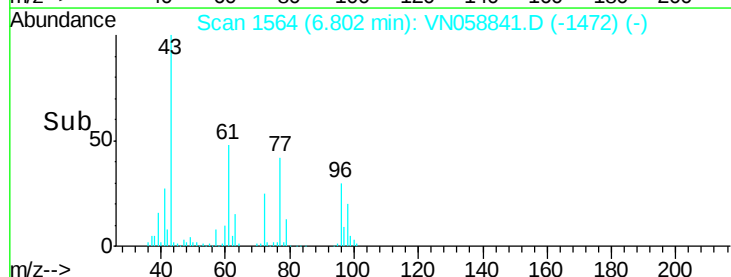
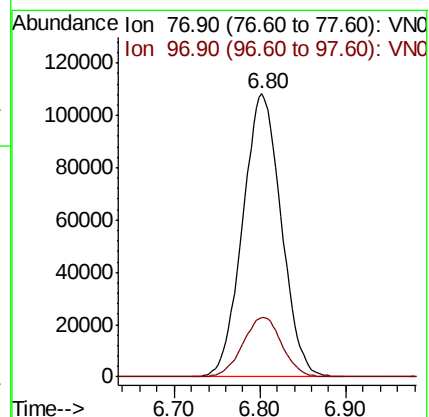
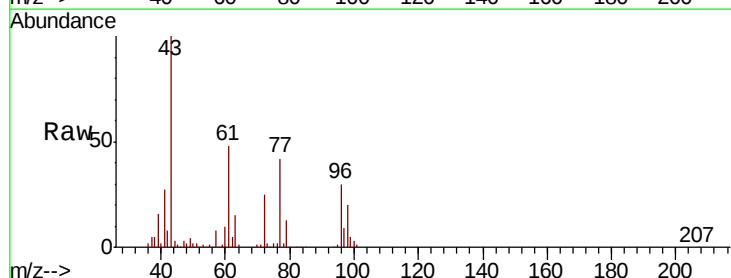
Acq: 17 Oct 2019 20:18

Tgt Ion: 77 Resp: 337799

Ion Ratio Lower Upper

77 100

97 21.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 52.848 ug/l

RT: 6.81 min Scan# 1566

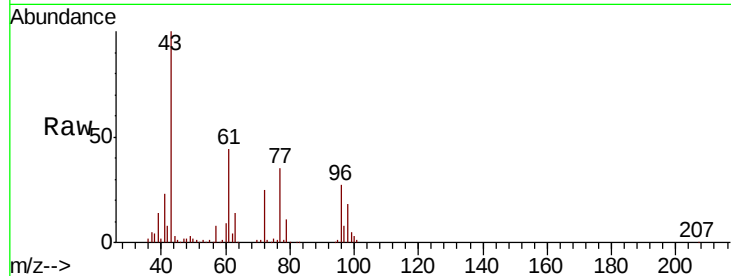
Delta R.T. 0.00 min

Lab File: VN058841.D

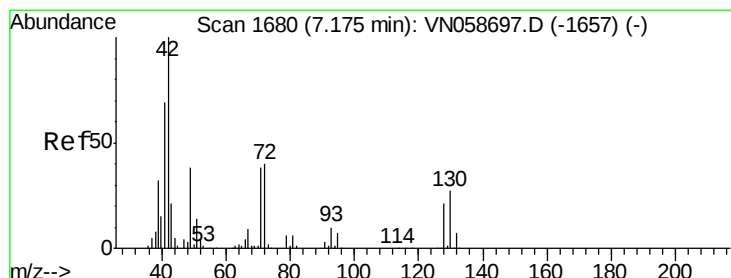
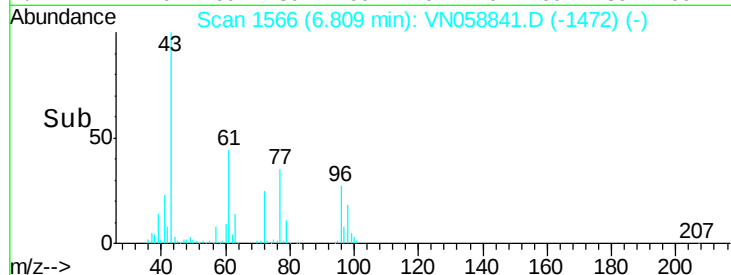
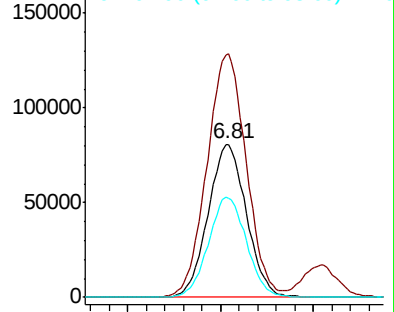
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	96	Resp:	231991
Ion	Ratio	Lower	Upper
96	100		
61	162.6	0.0	324.8
98	65.2	0.0	129.2



Abundance Ion 95.90 (95.60 to 96.60): VN058841.D (-1472) (-)



#28

Bromochloromethane

Concen: 55.464 ug/l

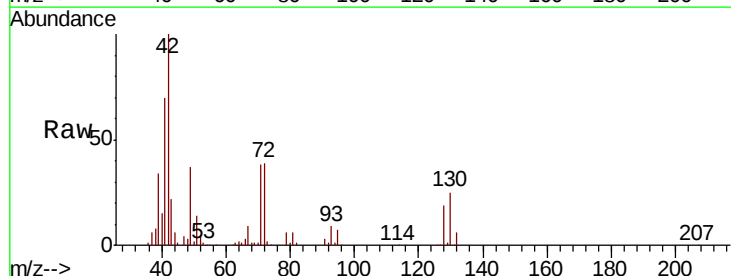
RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

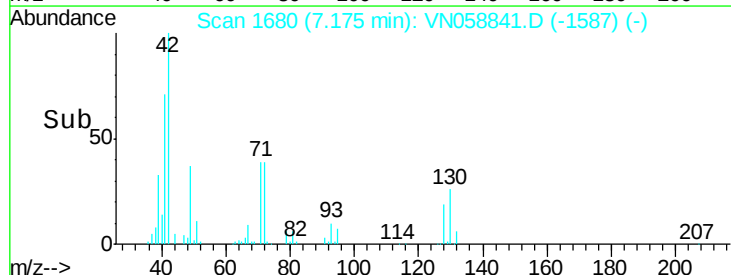
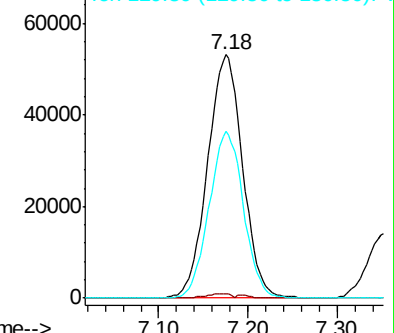
Lab File: VN058841.D

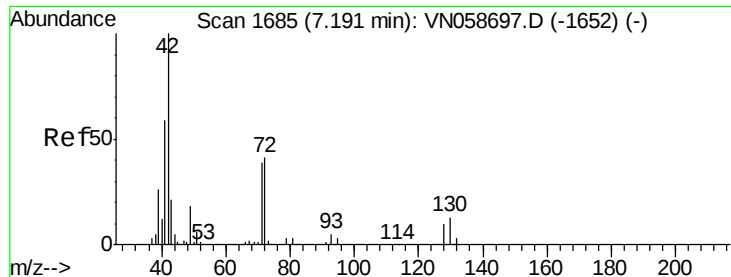
Acq: 17 Oct 2019 20:18

Tgt Ion:	49	Resp:	145118
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.6
130	67.1	55.0	82.4



Abundance Ion 48.90 (48.60 to 49.60): VN058841.D (-1587) (-)

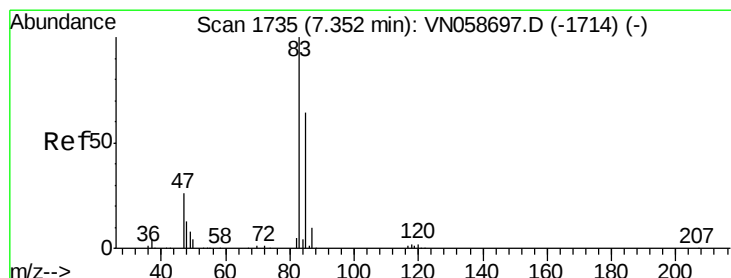
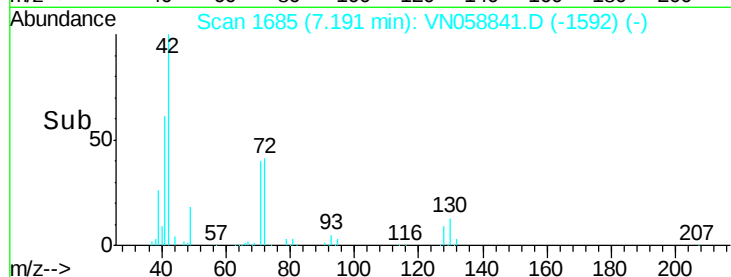
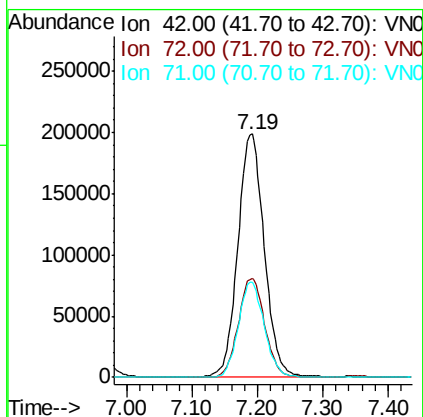
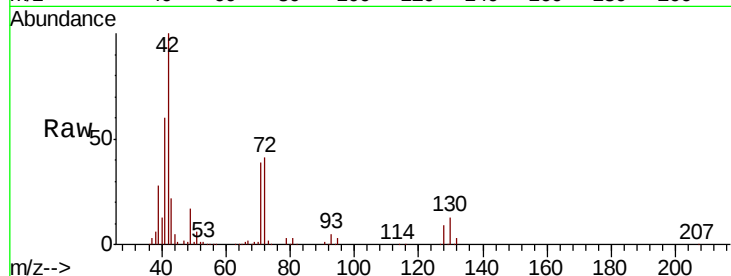




#29
Tetrahydrofuran
Concen: 293.609 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

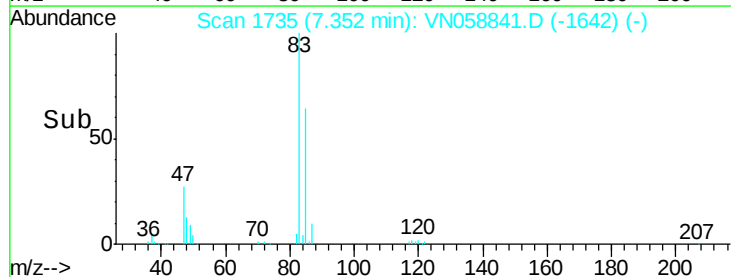
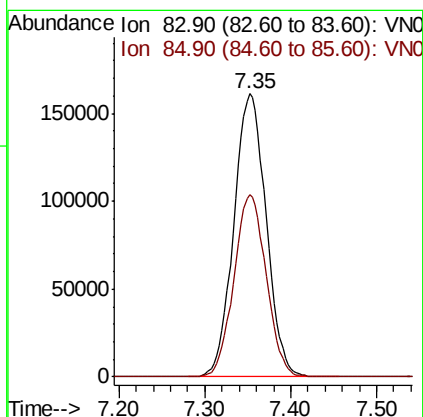
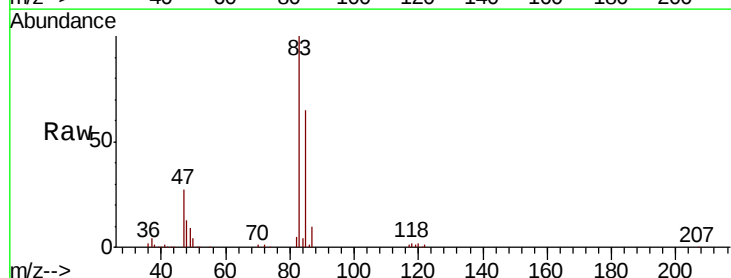
Instrument :
MSVOA_N
ClientSampled :

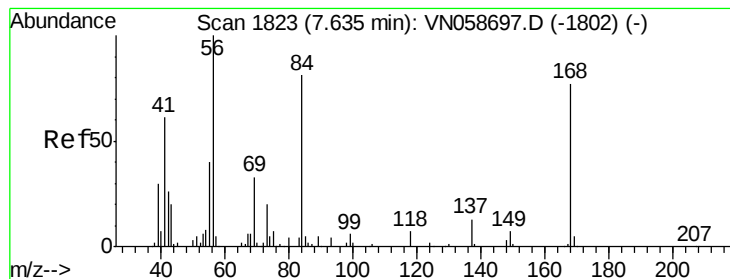
Tot Ion: 42 Resp: 557015
Ion Ratio Lower Upper
42 100
72 40.8 32.8 49.2
71 38.6 31.1 46.7



#30
Chloroform
Concen: 55.651 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion: 83 Resp: 420506
Ion Ratio Lower Upper
83 100
85 64.5 51.0 76.6





#31

Cyclohexane

Concen: 50.837 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :

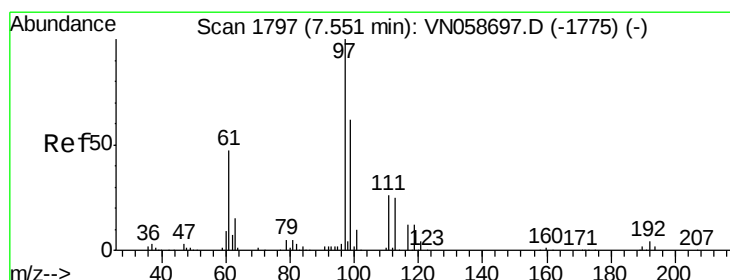
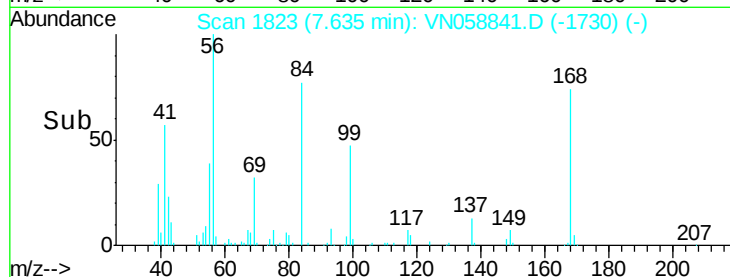
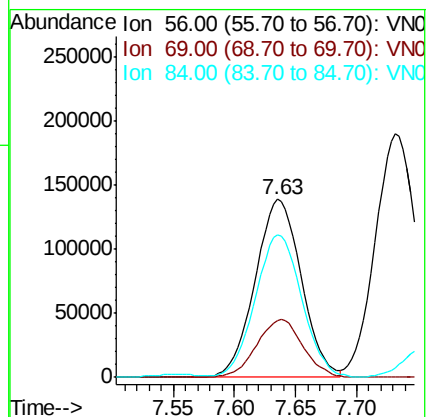
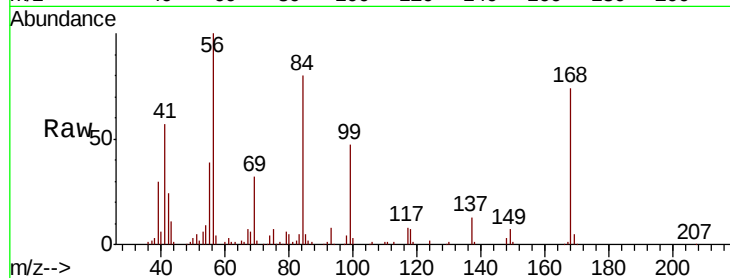
Tot Ion: 56 Resp: 365824

Ion Ratio Lower Upper

56 100

69 31.7 26.2 39.4

84 79.0 64.9 97.3



#32

1,1,1-Trichloroethane

Concen: 56.388 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

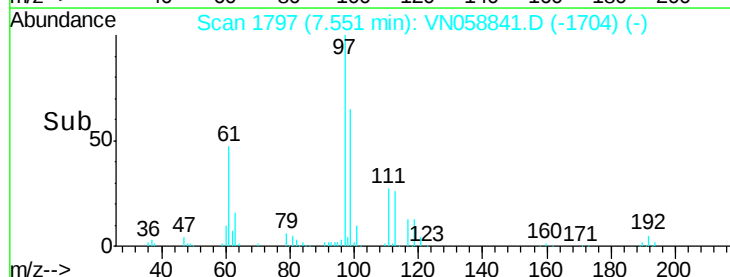
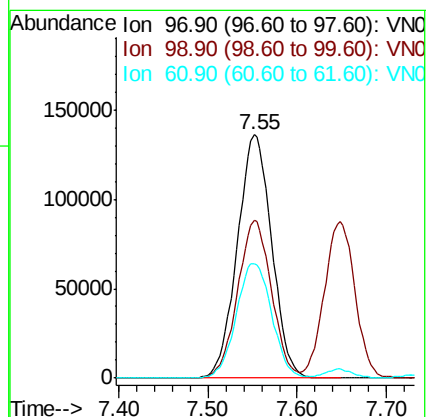
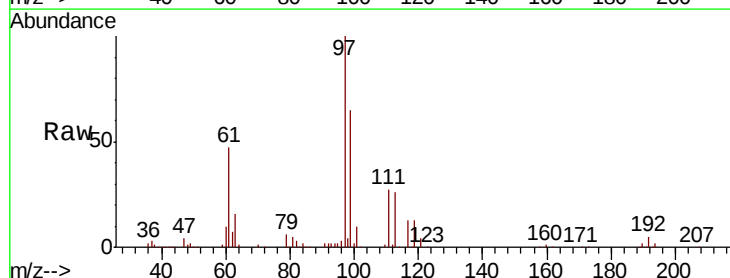
Tgt Ion: 97 Resp: 363371

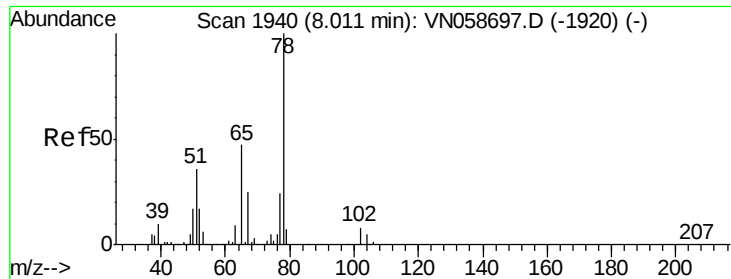
Ion Ratio Lower Upper

97 100

99 63.9 50.8 76.2

61 48.6 38.1 57.1

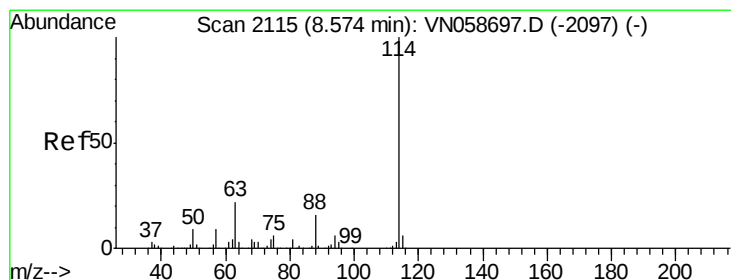
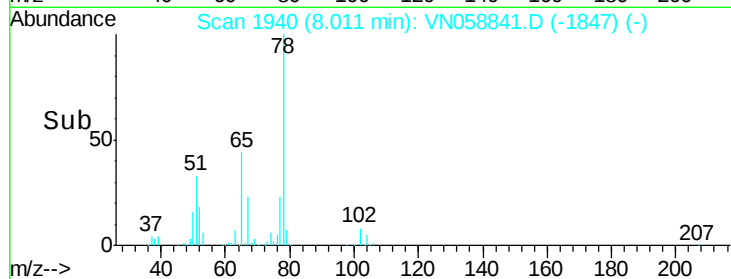
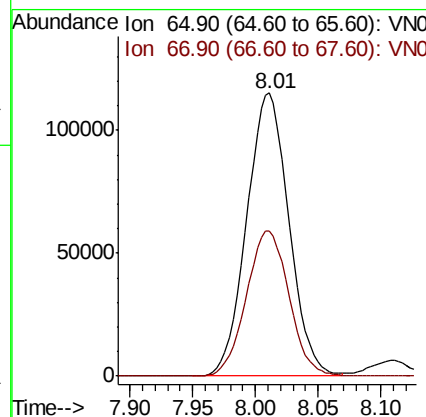
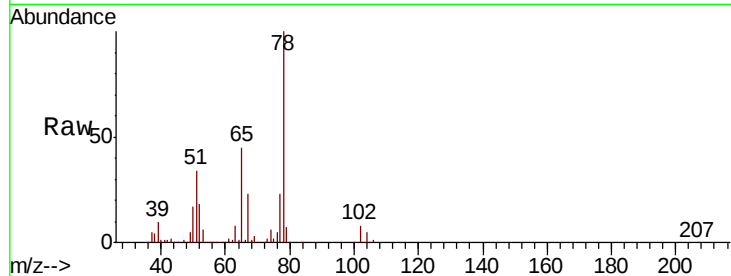




#33
 1,2-Dichloroethane-d4
 Concen: 54.991 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

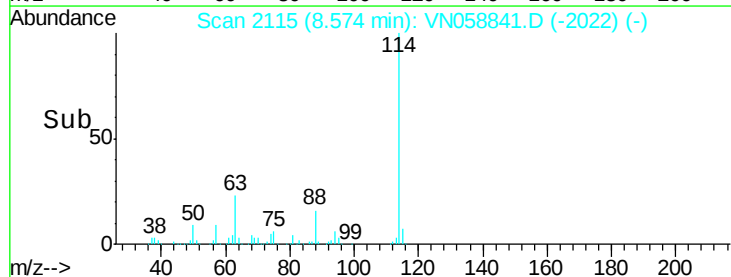
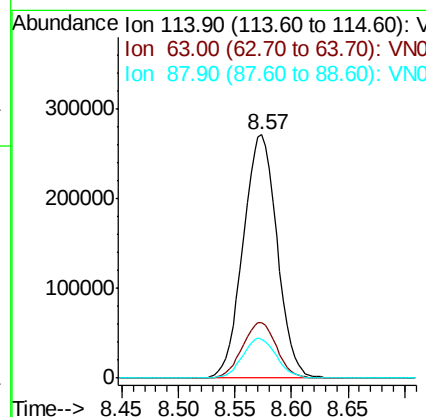
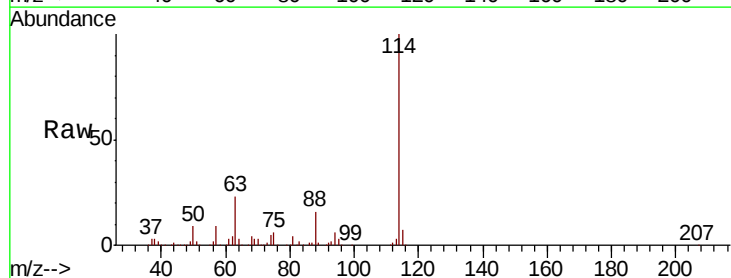
Instrument :
 MSVOA_N
 ClientSampled :

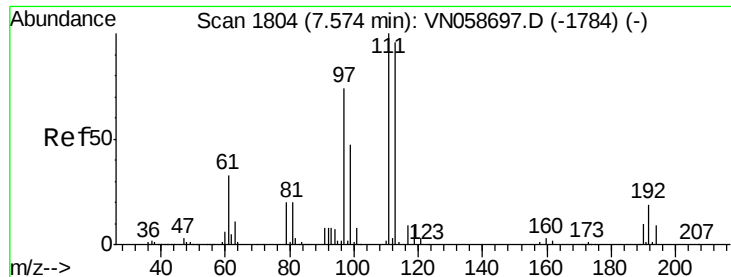
Tot Ion: 65 Resp: 269787
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion: 114 Resp: 566507
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 43.8
 88 15.9 0.0 32.0

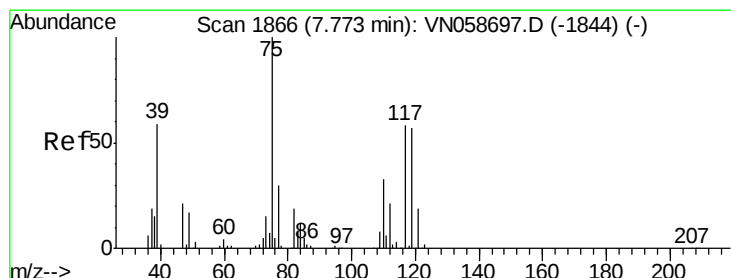
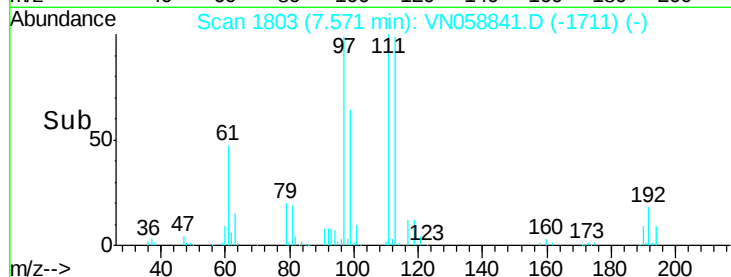
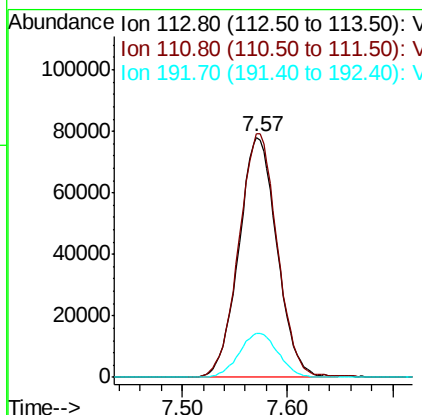
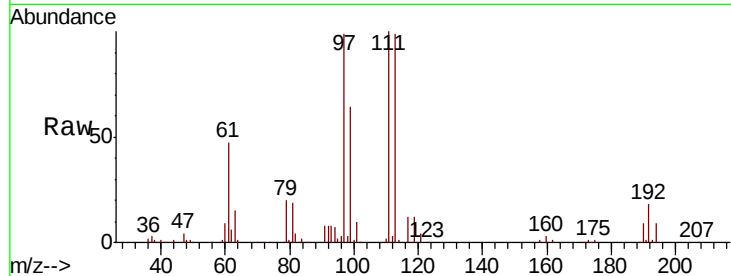




#35
 Dibromofluoromethane
 Concen: 56.028 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

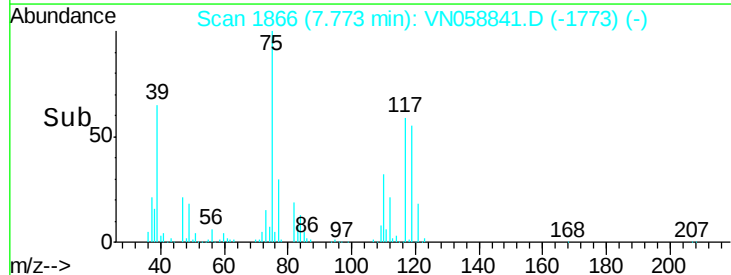
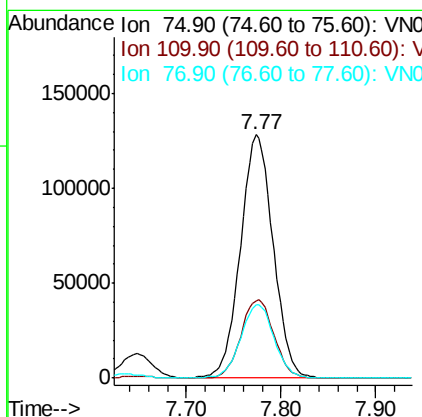
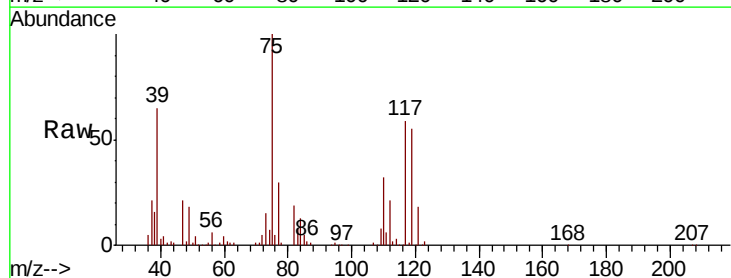
Instrument :
 MSVOA_N
 ClientSampleId :

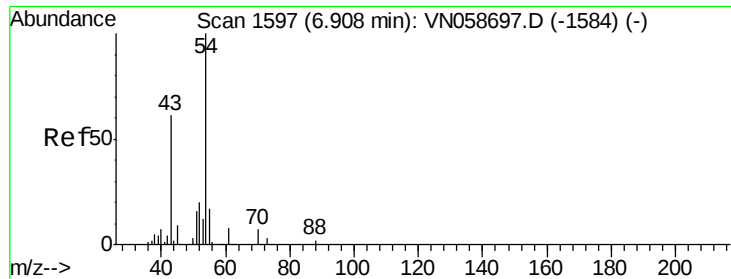
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.3	123.5
192	18.7	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 53.518 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.6	49.8
77	31.2	24.6	37.0

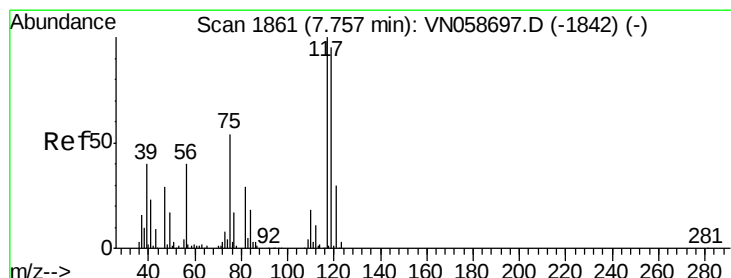
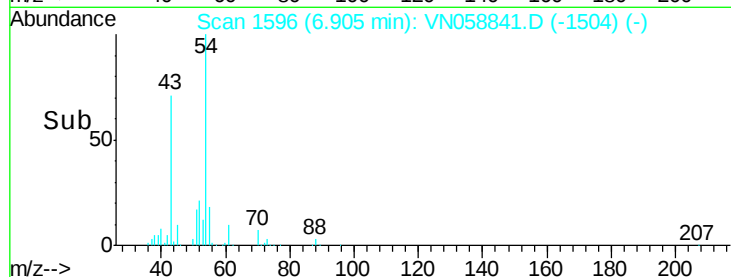
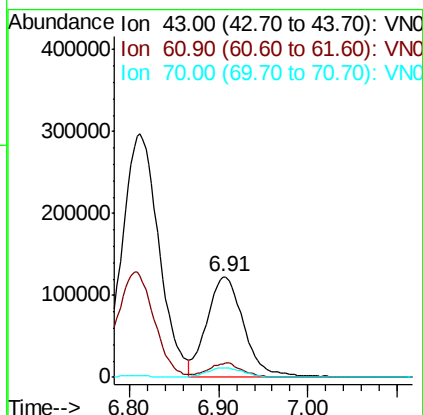
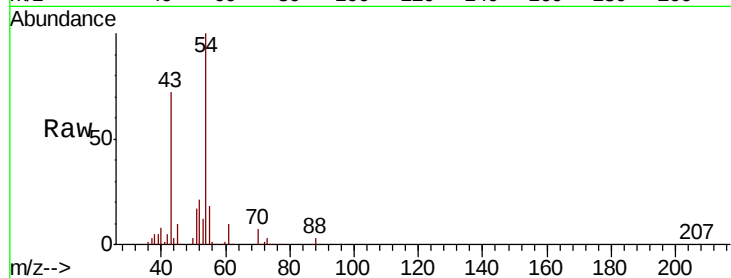




#37
Ethyl Acetate
Concen: 60.273 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

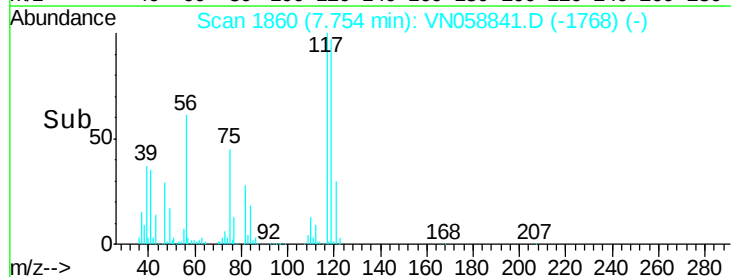
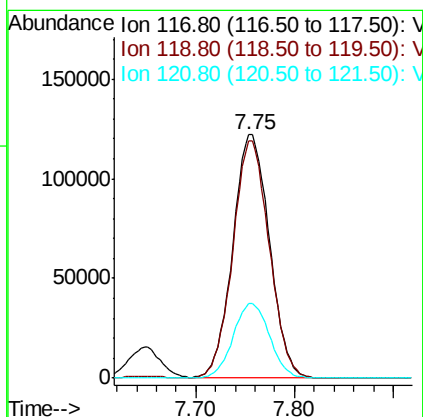
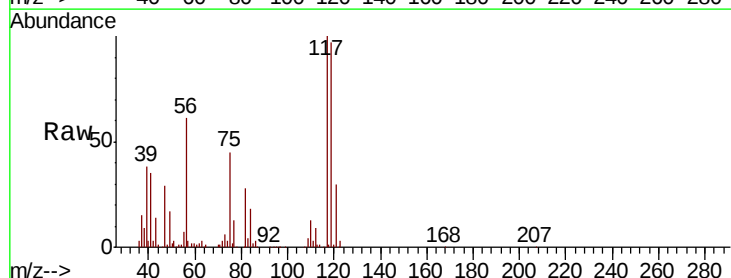
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 349142
Ion Ratio Lower Upper
43 100
61 13.3 11.3 16.9
70 9.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 56.502 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion: 117 Resp: 315414
Ion Ratio Lower Upper
117 100
119 97.2 75.7 113.5
121 30.4 23.9 35.9

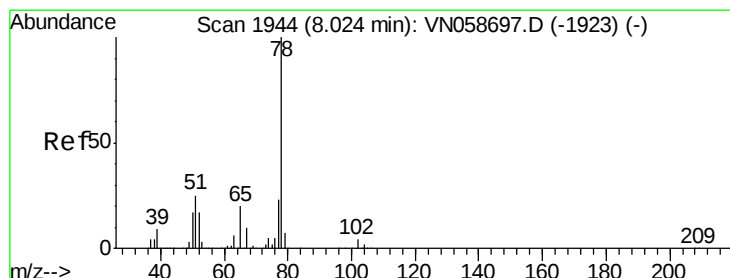
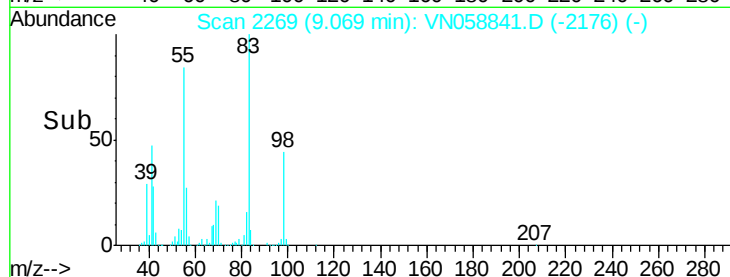
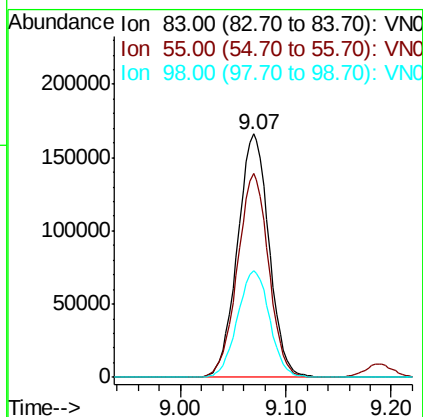
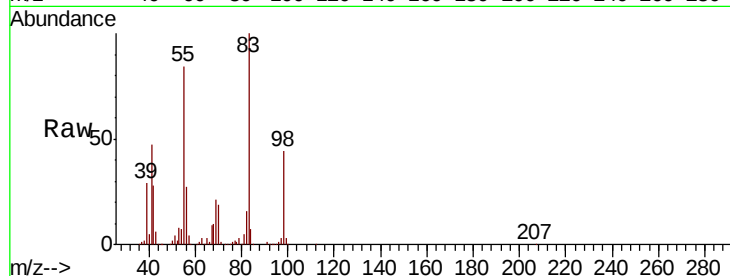




#39
Methvlcvclohexane
Concen: 51.837 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

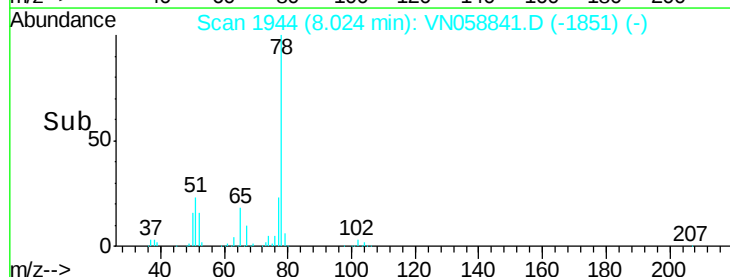
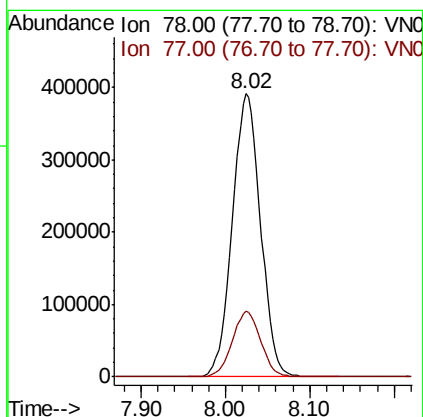
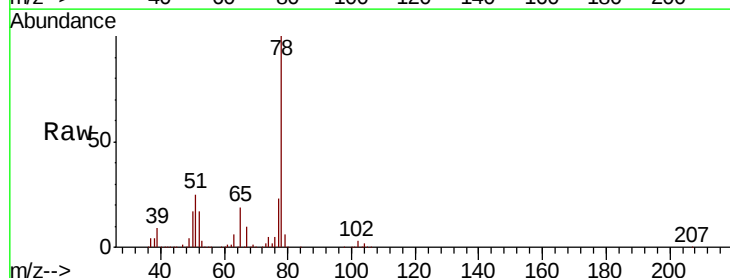
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 344533
Ion Ratio Lower Upper
83 100
55 83.6 63.4 95.0
98 44.1 35.1 52.7



#40
Benzene
Concen: 55.372 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion: 78 Resp: 910883
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

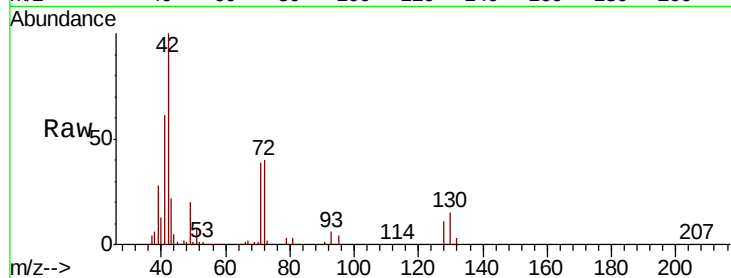




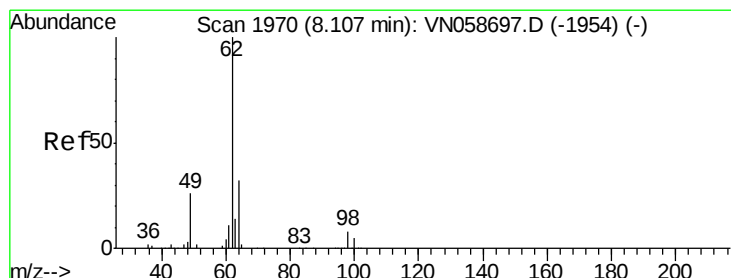
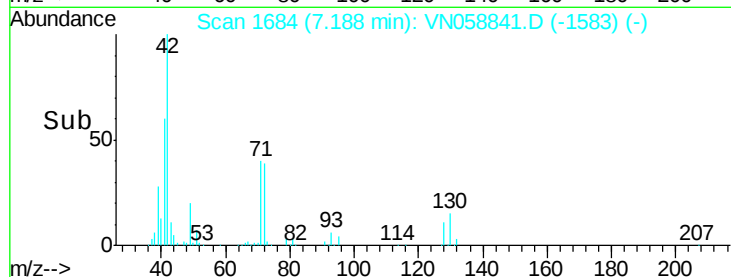
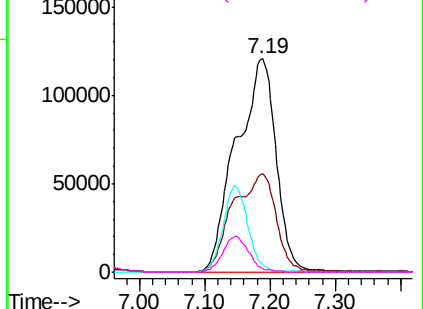
#41
Methacrylonitrile
Concen: 188.412 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

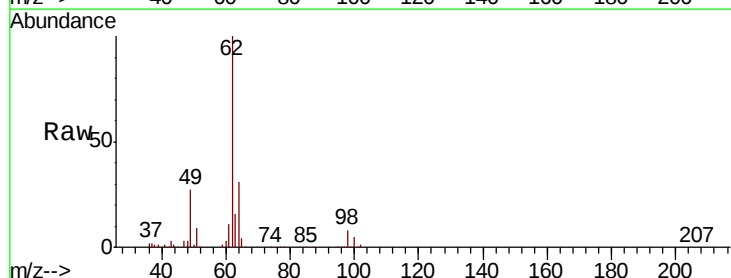


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

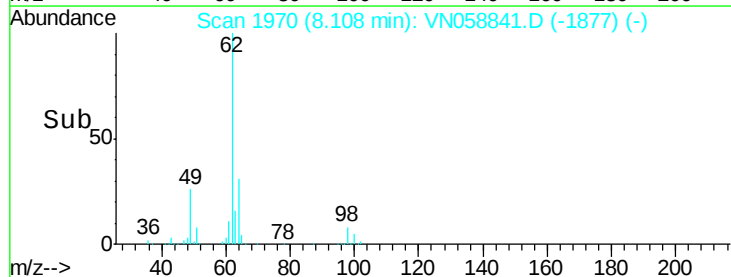
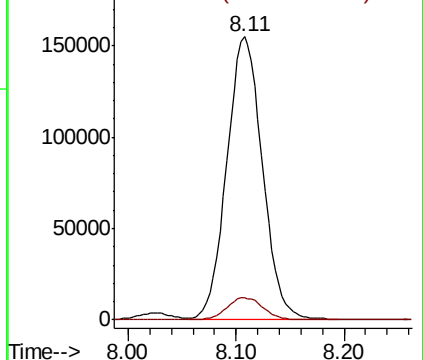


#42
1,2-Dichloroethane
Concen: 56.297 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

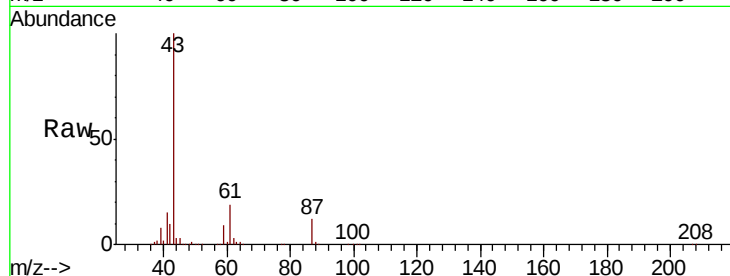




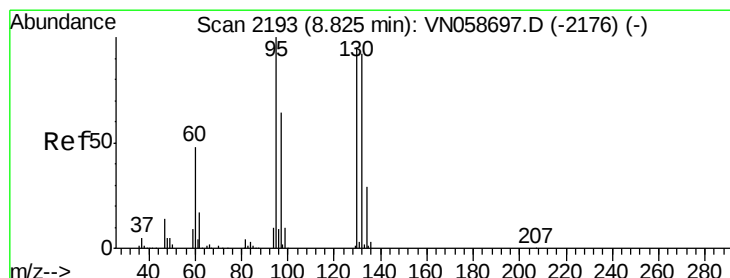
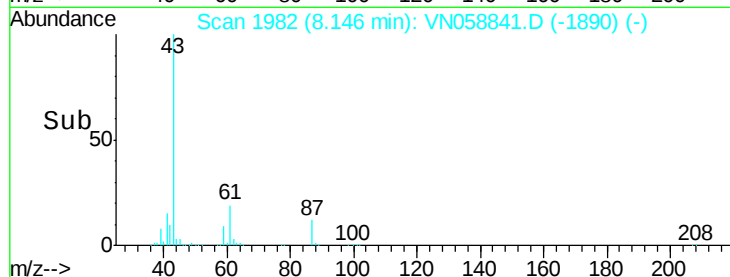
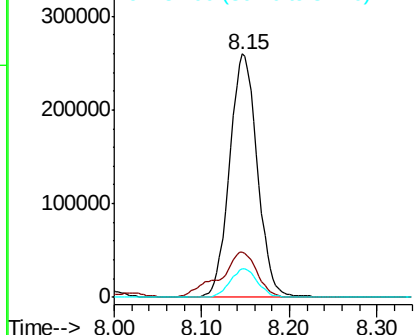
#43
Isopropyl Acetate
Concen: 57.681 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	43	Resp	569200
Ion Ratio	Lower	Upper	
43	100		
61	24.9	20.3	30.5
87	11.8	9.8	14.6

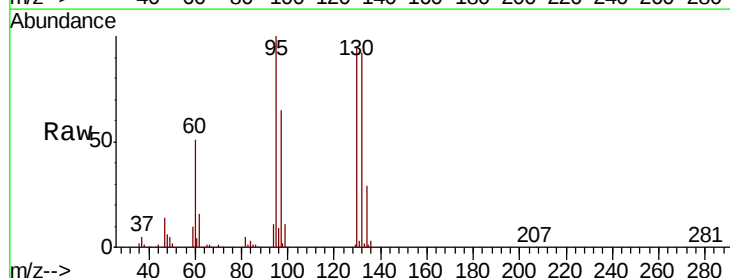


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

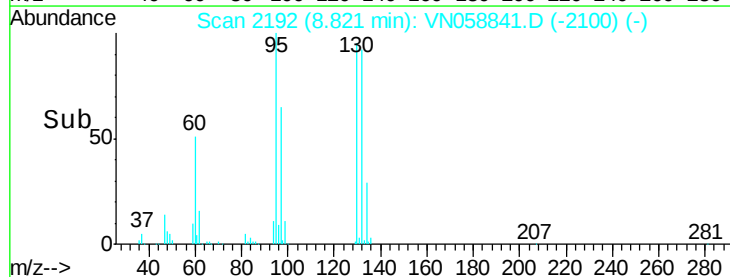
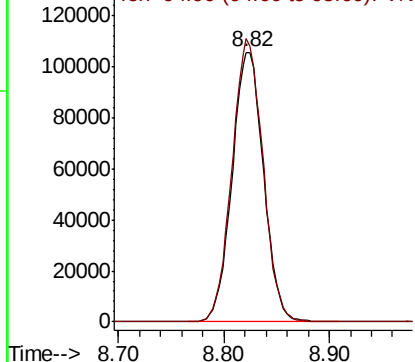


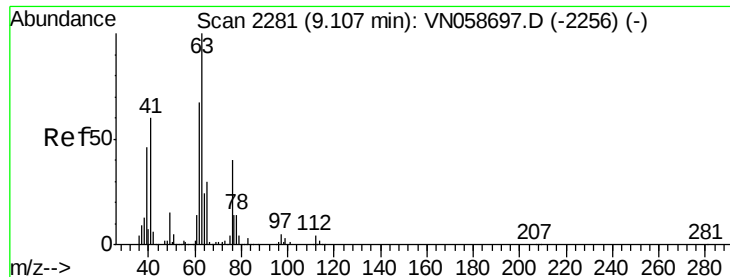
#44
Trichloroethene
Concen: 53.466 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion	130	Resp	218413
Ion Ratio	Lower	Upper	
130	100		
95	105.0	0.0	211.2



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





#45

1,2-Dichloropropane

Concen: 58.106 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

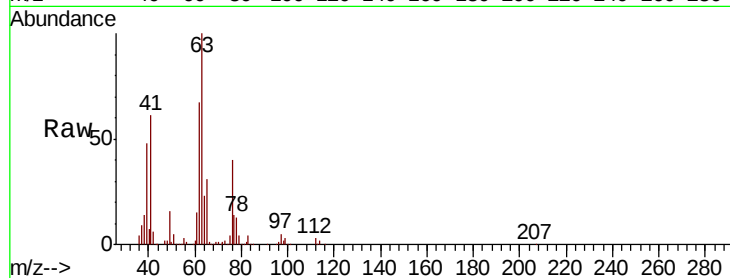
ClientSampled :

Tot Ion: 63 Resp: 255885

Ion Ratio Lower Upper

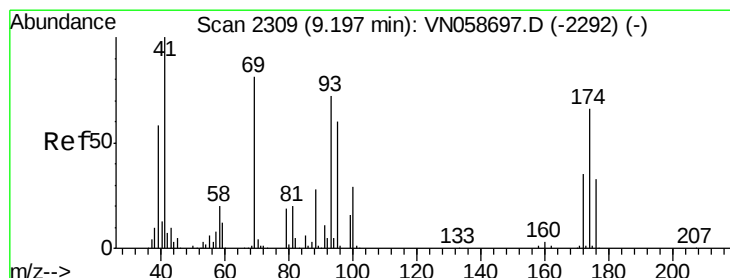
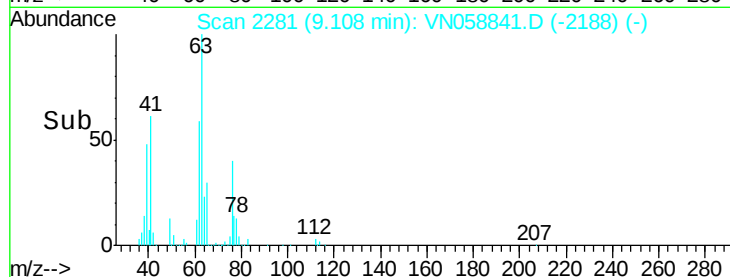
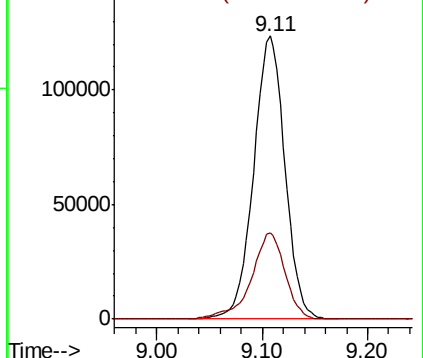
63 100

65 30.7 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 57.540 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

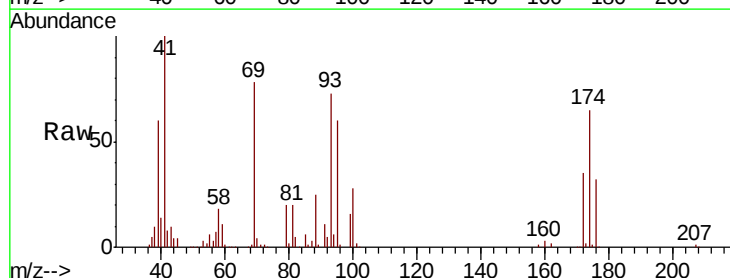
Tgt Ion: 93 Resp: 160651

Ion Ratio Lower Upper

93 100

95 83.2 66.6 100.0

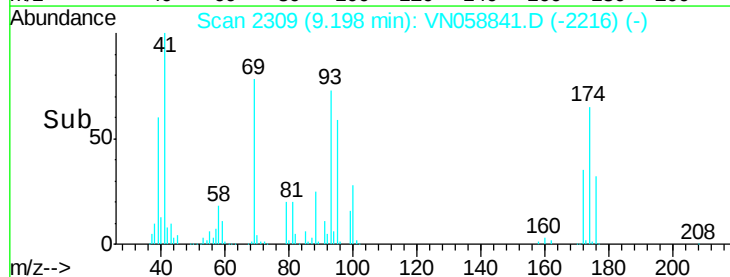
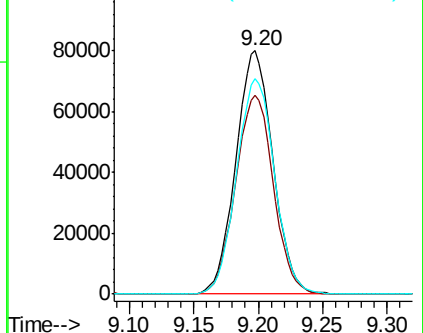
174 90.9 75.2 112.8

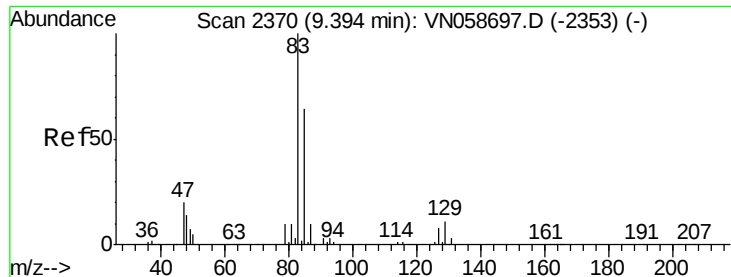


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V



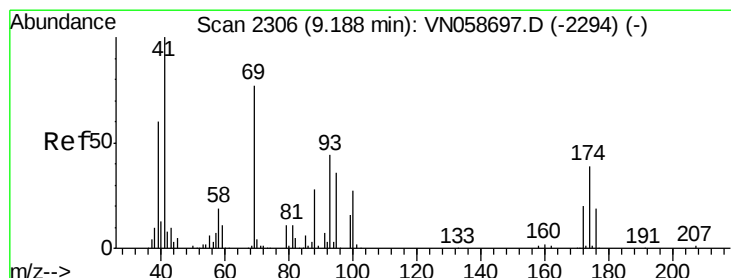
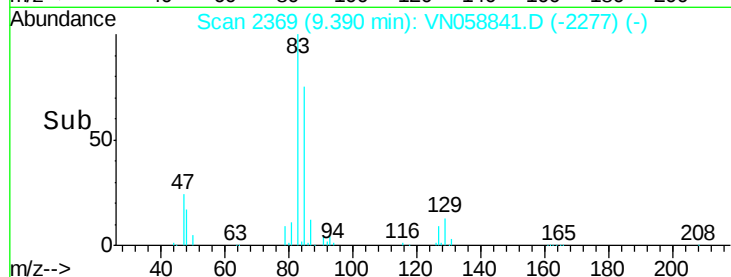
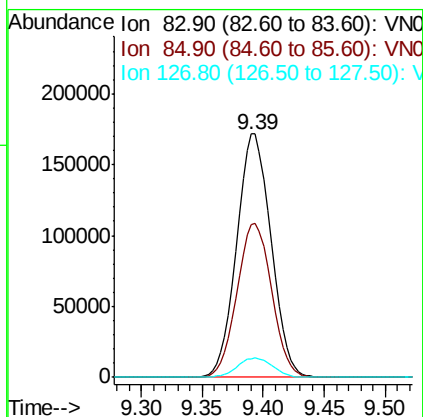
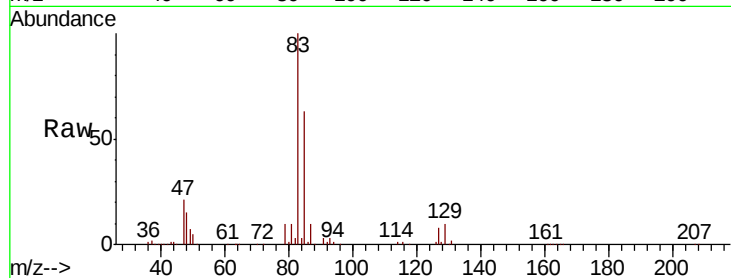


#47
 Bromodichloromethane
 Concen: 58.899 ug/l
 RT: 9.39 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 83 Resp: 334871

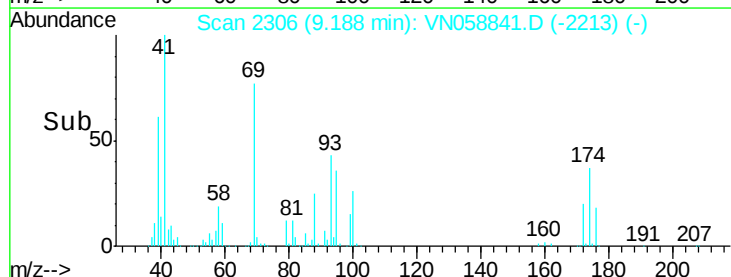
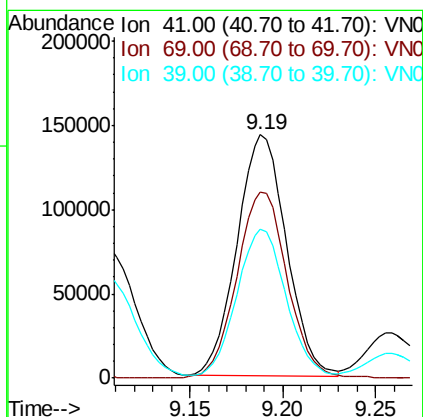
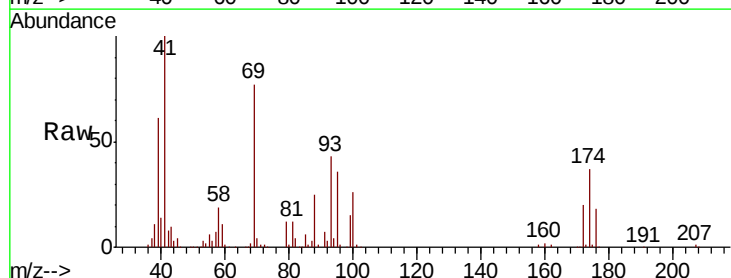
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.9	76.3
127	7.7	6.3	9.5

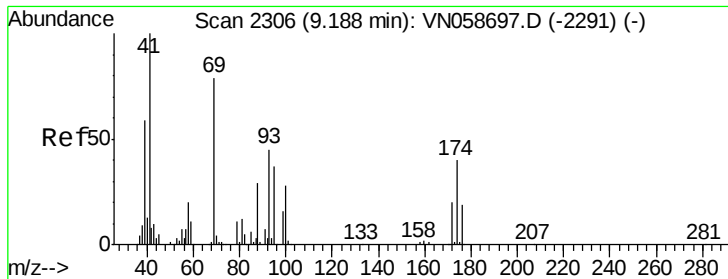


#48
 Methyl methacrylate
 Concen: 59.163 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion: 41 Resp: 264646

Ion	Ratio	Lower	Upper
41	100		
69	79.4	63.4	95.2
39	62.2	48.9	73.3

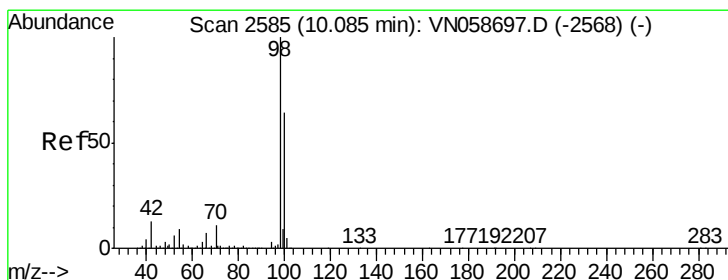
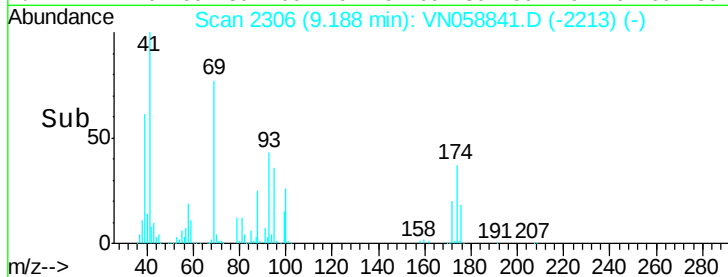
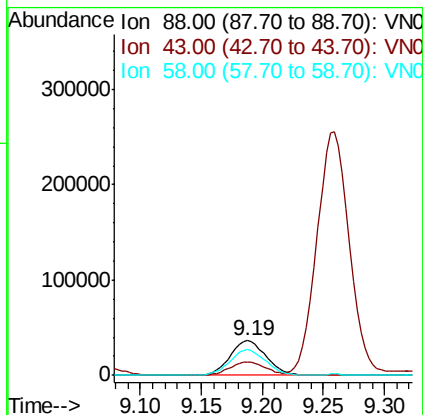
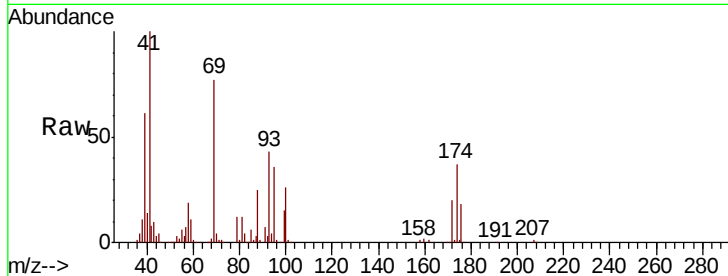




#49
 1,4-Dioxane
 Concen: 1083.285 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

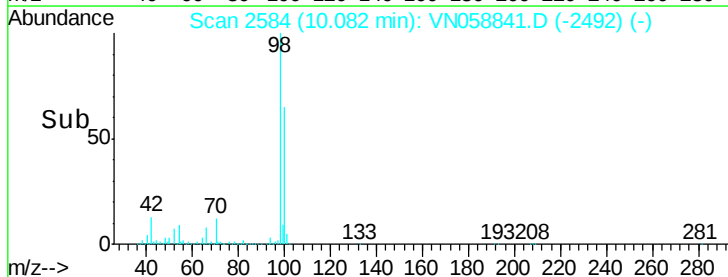
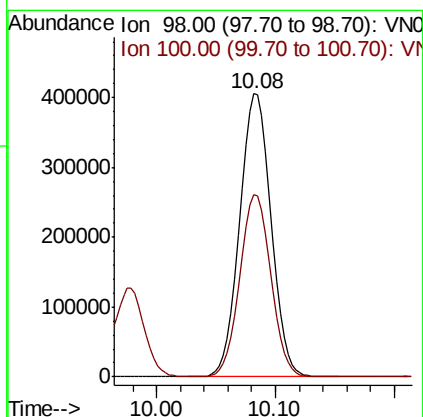
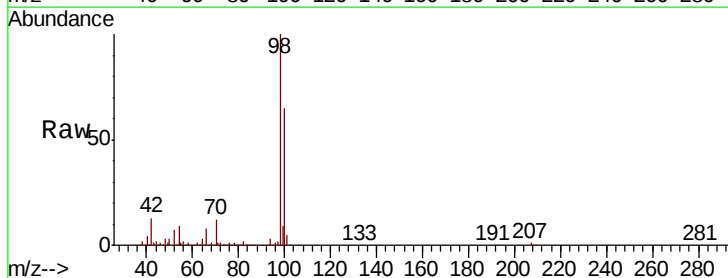
Instrument :
 MSVOA_N
 ClientSampleId :

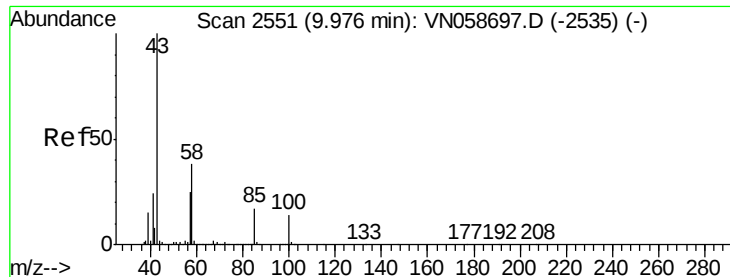
Tot Ion: 88 Resp: 74965
 Ion Ratio Lower Upper
 88 100
 43 37.5 28.6 43.0
 58 73.7 57.2 85.8



#50
 Toluene-d8
 Concen: 53.099 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion: 98 Resp: 743008
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 322.296 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

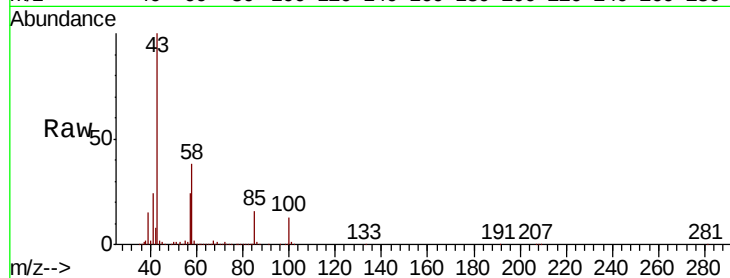
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1786182

Ion Ratio Lower Upper

43 100

58 37.1 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

9.98

1000000

800000

600000

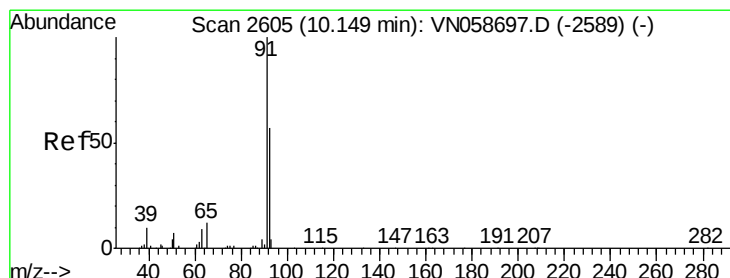
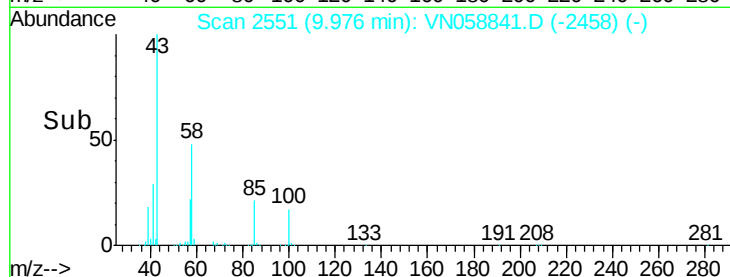
400000

200000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 55.204 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058841.D

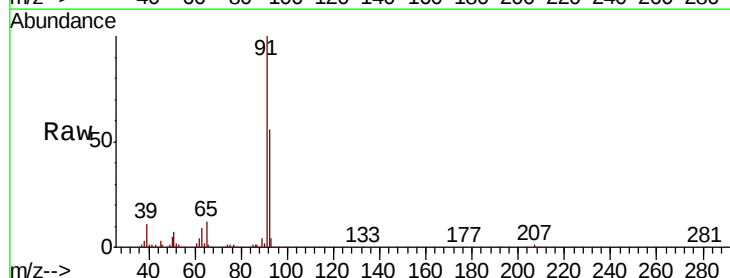
Acq: 17 Oct 2019 20:18

Tgt Ion: 92 Resp: 555417

Ion Ratio Lower Upper

92 100

91 176.3 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

10.15

600000

500000

400000

300000

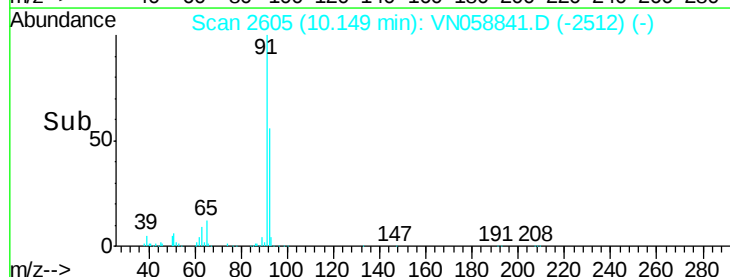
200000

100000

0

10.10 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 57.245 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

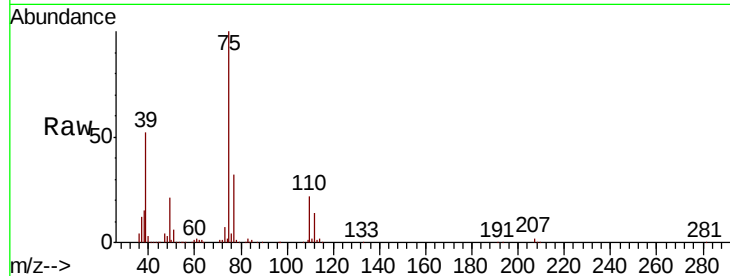
ClientSampled :

Tot Ion: 75 Resp: 373290

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

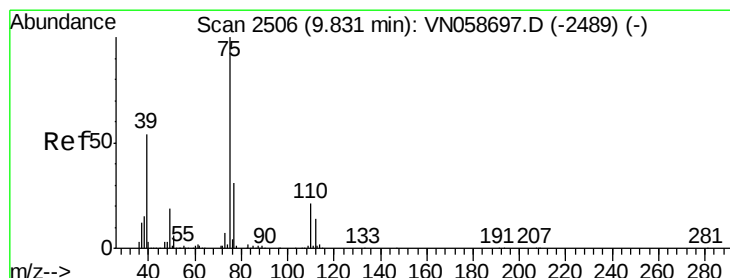
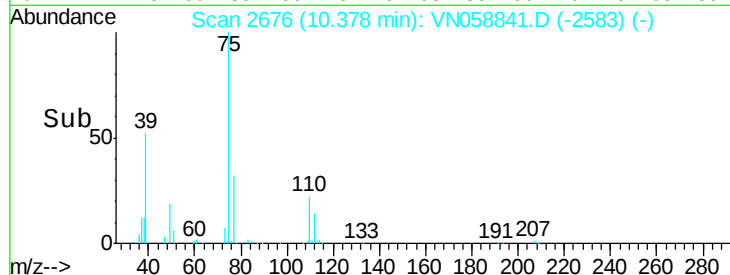
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.525 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

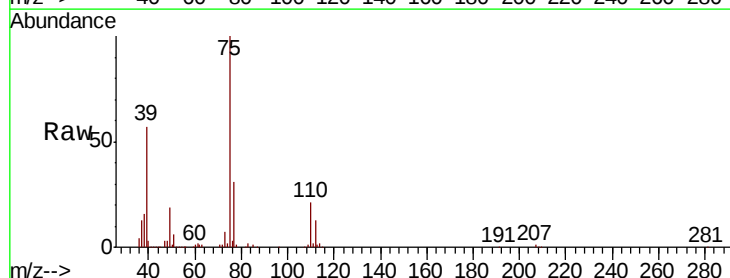
Tgt Ion: 75 Resp: 391354

Ion Ratio Lower Upper

75 100

77 31.4 24.4 36.6

39 56.5 43.1 64.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

250000

200000

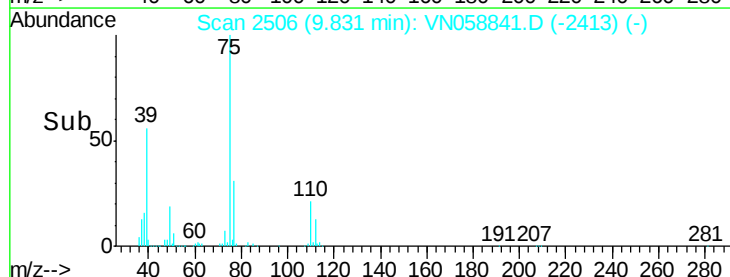
150000

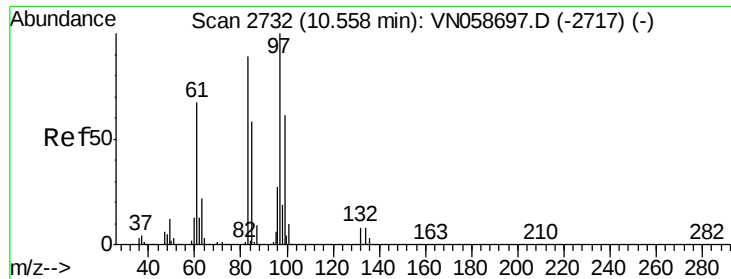
100000

50000

0

Time-->

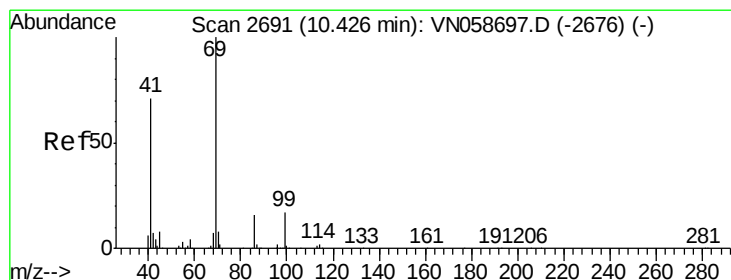
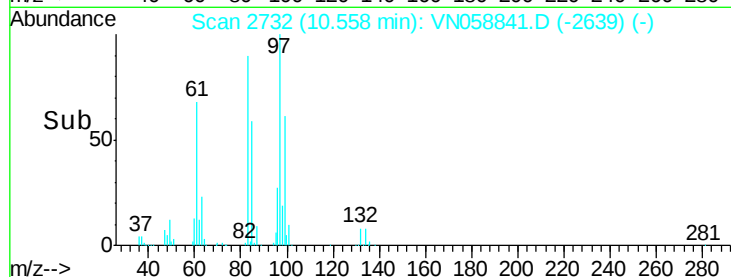
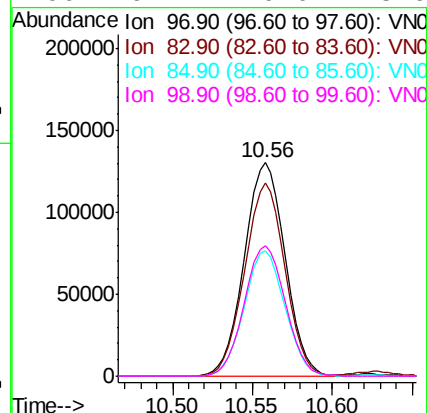
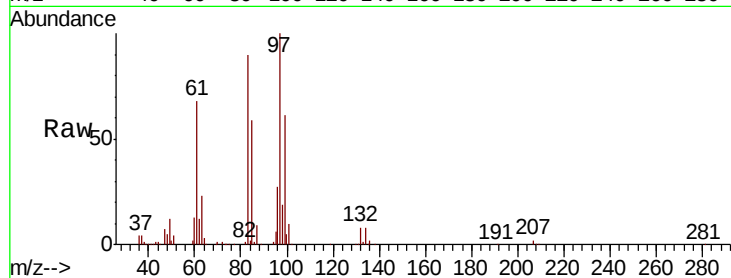




#55
 1,1,2-Trichloroethane
 Concen: 55.202 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

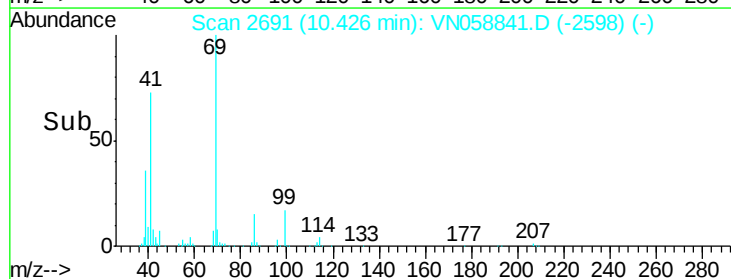
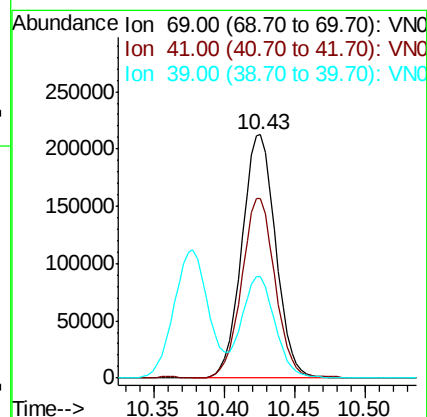
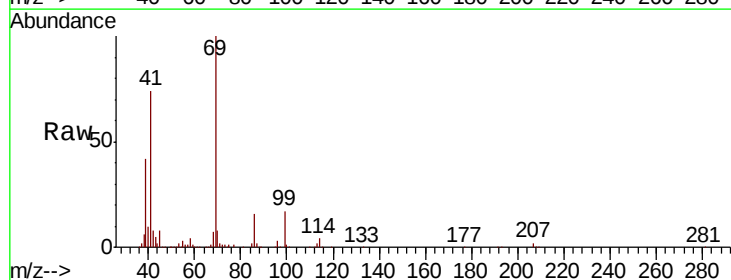
Instrument :
 MSVOA_N
 ClientSampleId :

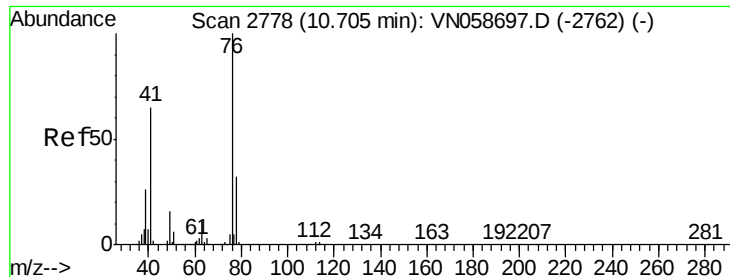
Tot Ion	97	Resp	227322
Ion	Ratio	Lower	Upper
97	100		
83	90.3	71.2	106.8
85	58.9	46.7	70.1
99	61.1	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 59.508 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion	69	Resp	358007
Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.8	85.2
39	41.3	32.5	48.7





#57

1,3-Dichloropropane

Concen: 57.365 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

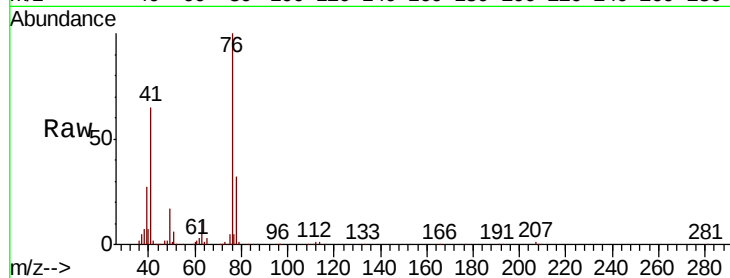
ClientSampleId :

Tot Ion: 76 Resp: 402548

Ion Ratio Lower Upper

76 100

78 32.0 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

250000

200000

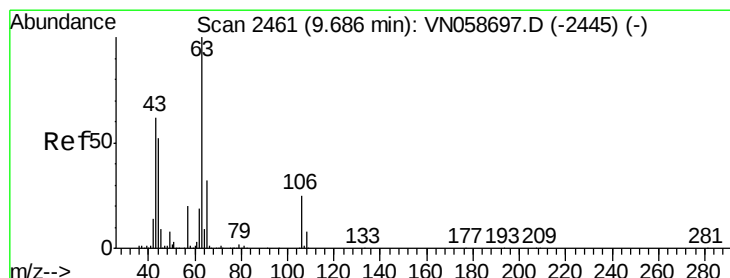
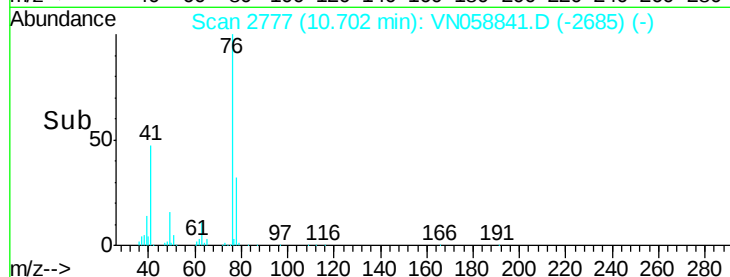
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 278.264 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058841.D

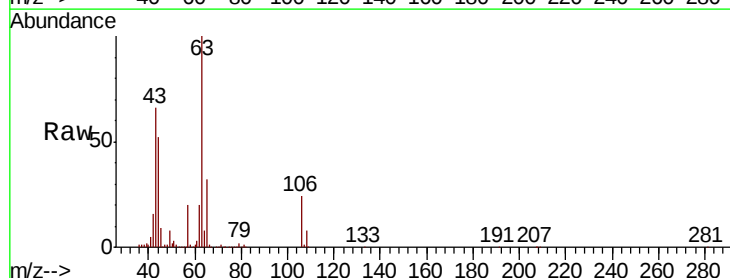
Acq: 17 Oct 2019 20:18

Tgt Ion: 63 Resp: 806764

Ion Ratio Lower Upper

63 100

106 24.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

500000

400000

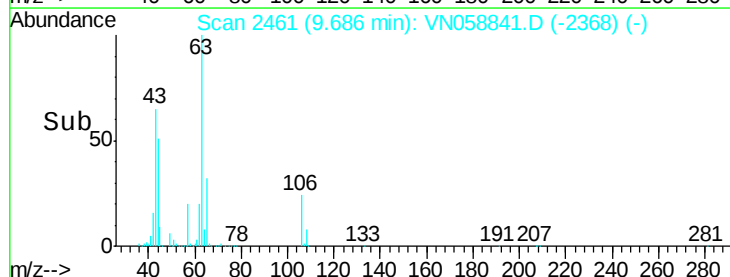
300000

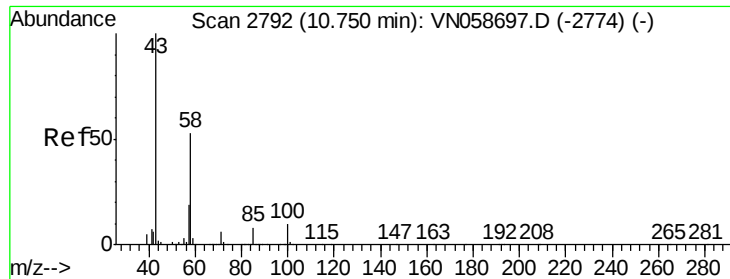
200000

100000

0

Time--> 9.60 9.70 9.80

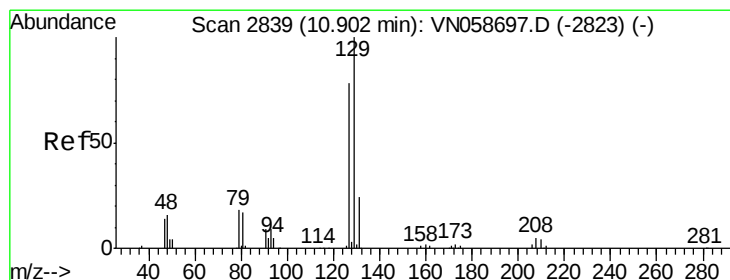
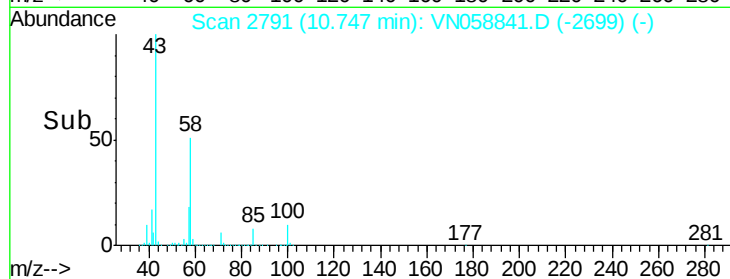
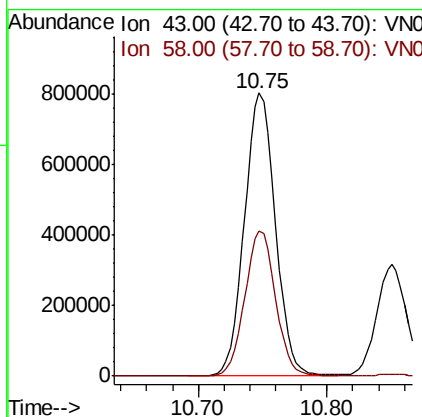
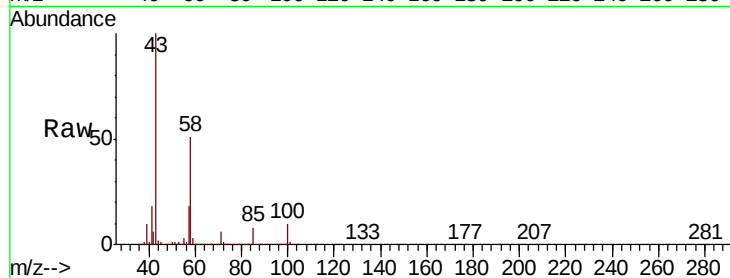




#59
2-Hexanone
Concen: 312.833 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

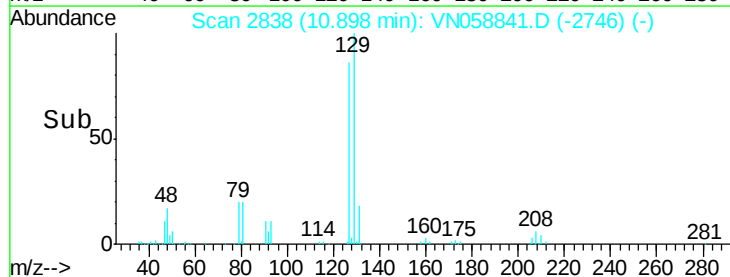
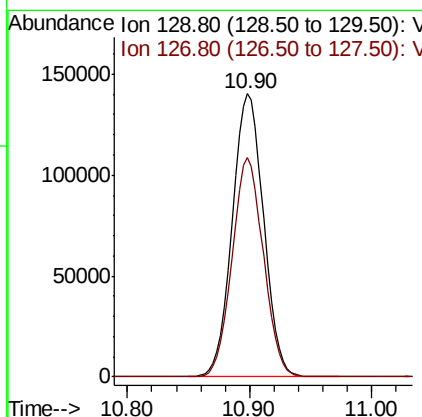
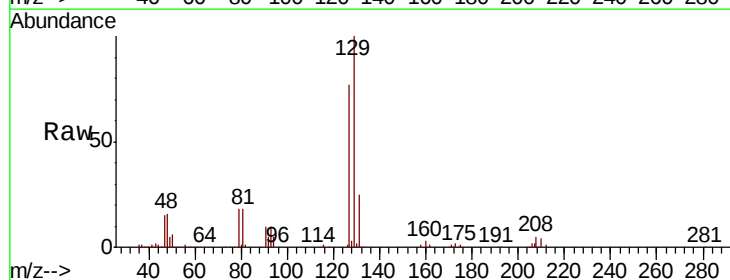
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1339840
Ion Ratio Lower Upper
43 100
58 51.2 26.1 78.3



#60
Dibromochloromethane
Concen: 58.843 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion: 129 Resp: 249965
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3

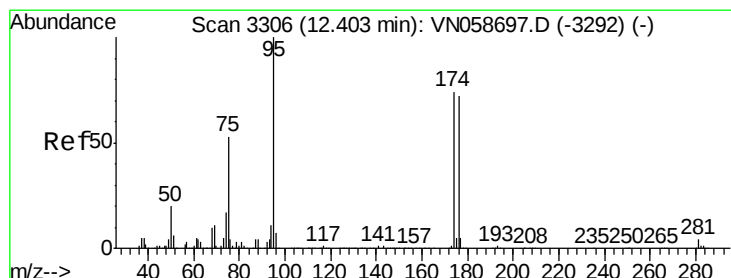
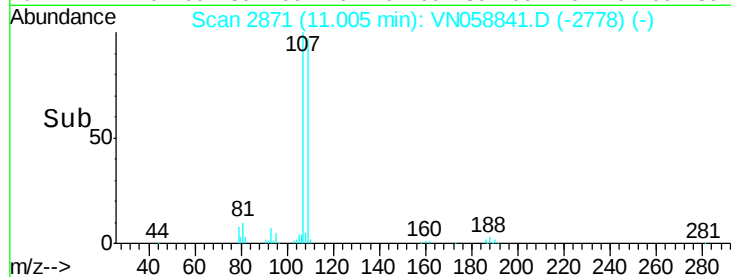
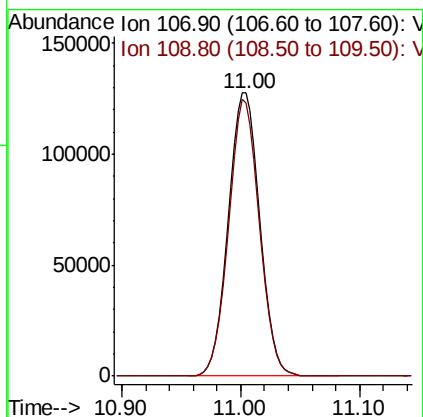
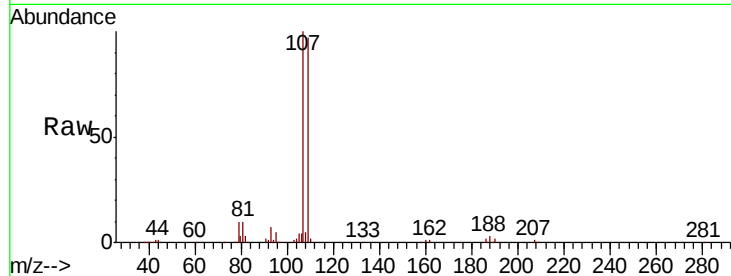




#61
 1,2-Dibromoethane
 Concen: 56.677 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

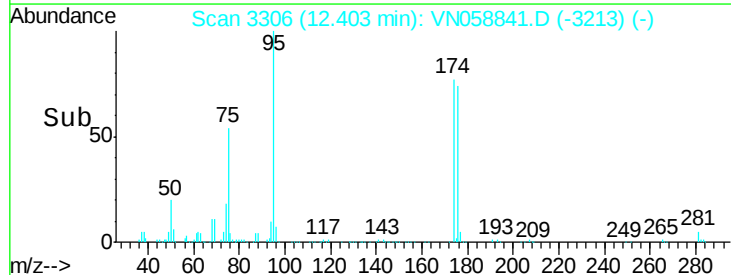
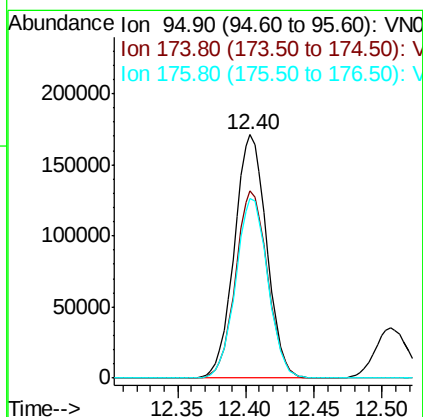
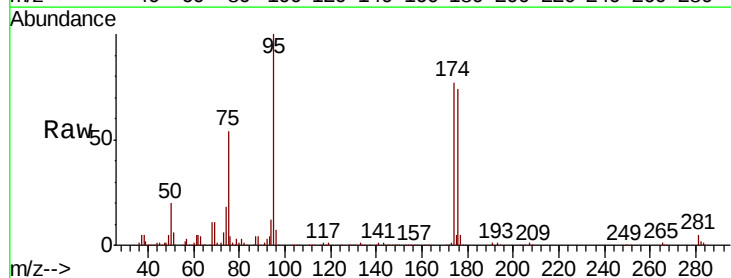
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 107 Resp: 233826
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 53.072 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion: 95 Resp: 281107
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 150.4
 176 73.5 0.0 146.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

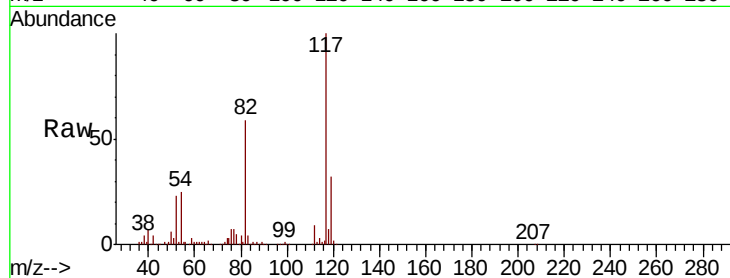
Tot Ion:117 Resp: 531312

Ion Ratio Lower Upper

117 100

82 58.6 47.0 70.4

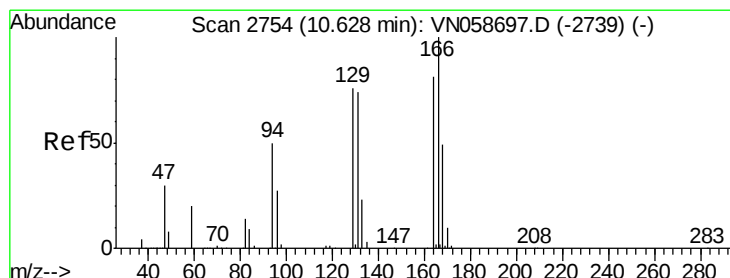
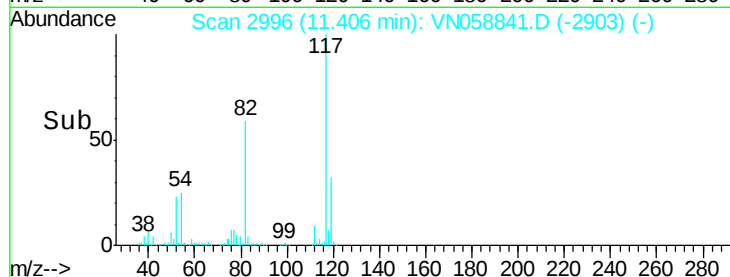
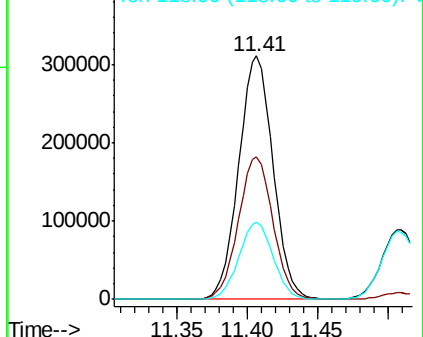
119 31.8 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 52.658 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:164 Resp: 195798

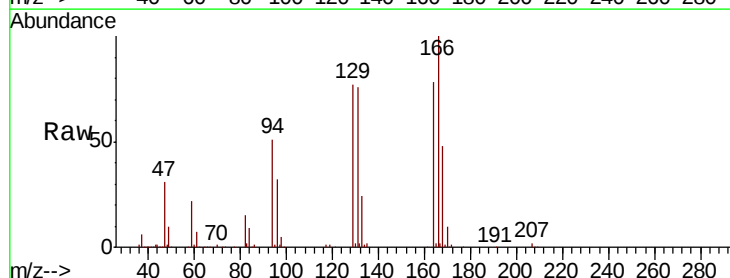
Ion Ratio Lower Upper

164 100

166 128.5 99.3 148.9

129 98.7 75.2 112.8

131 97.2 73.0 109.4

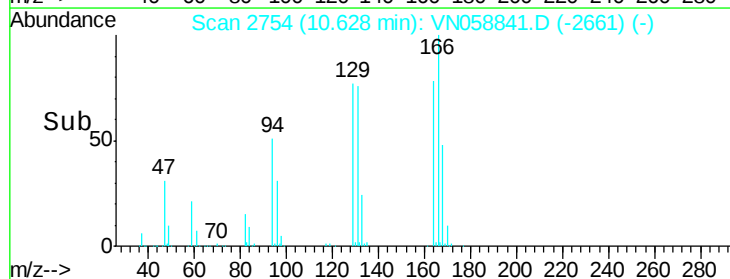
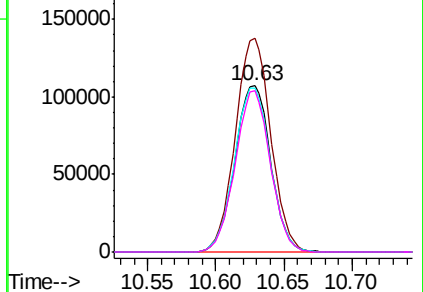


Abundance Ion 163.80 (163.50 to 164.50): V

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

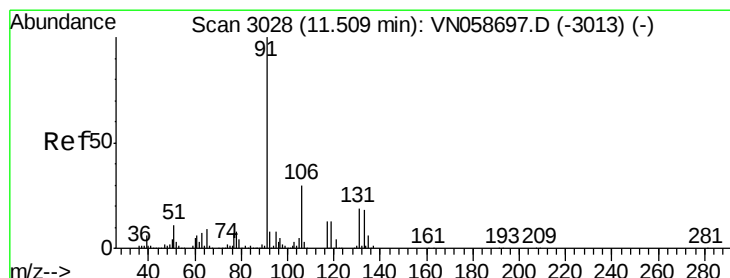
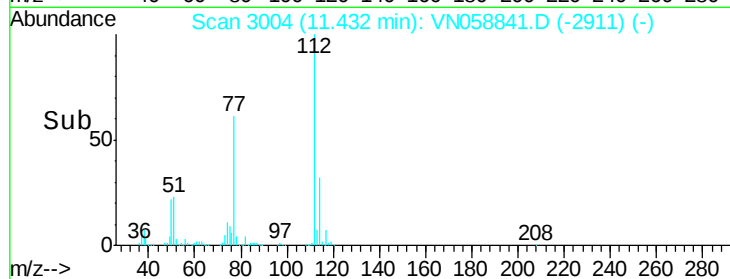
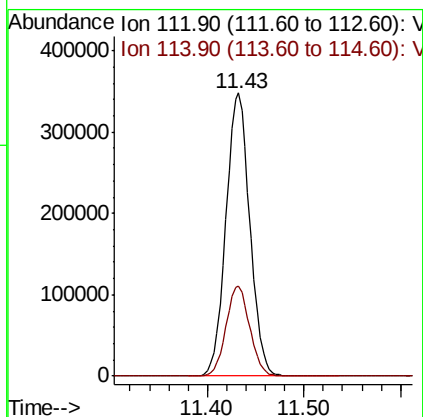
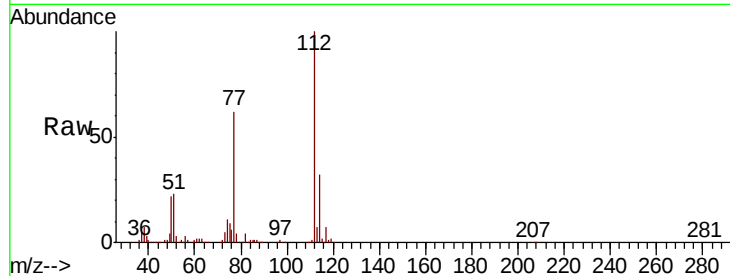




#65
Chlorobenzene
Concen: 55.190 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

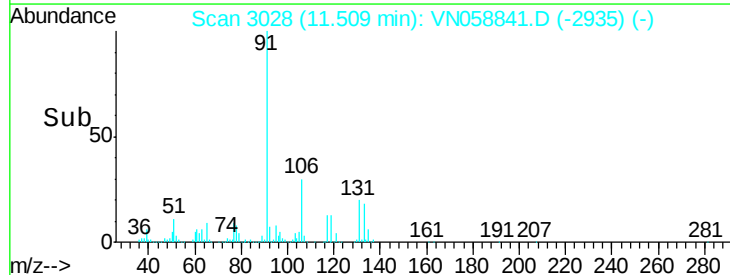
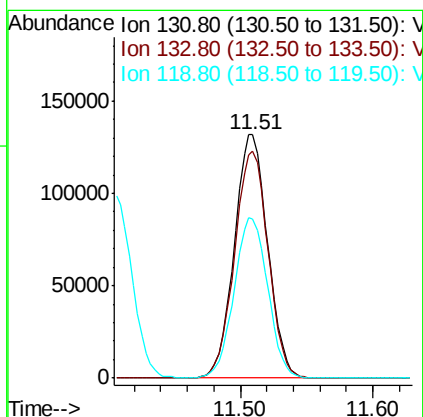
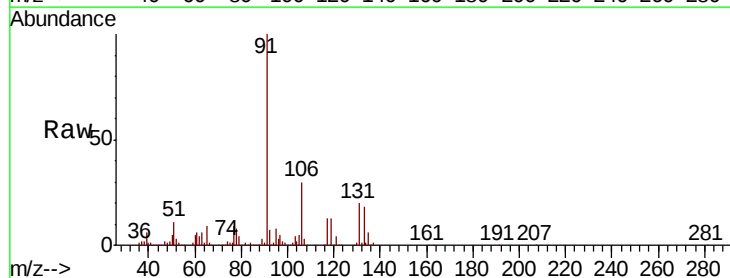
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 595493
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 57.529 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion:131 Resp: 229530
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.9
119 66.7 33.0 98.9





#67

Ethyl Benzene

Concen: 56.971 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

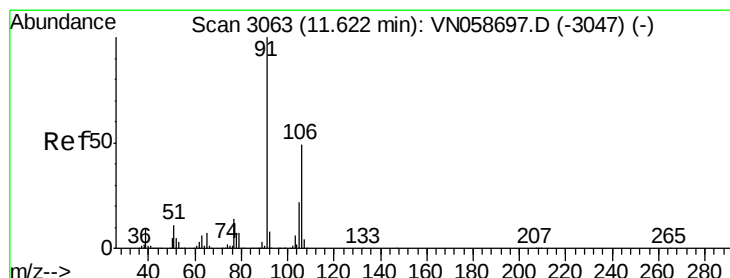
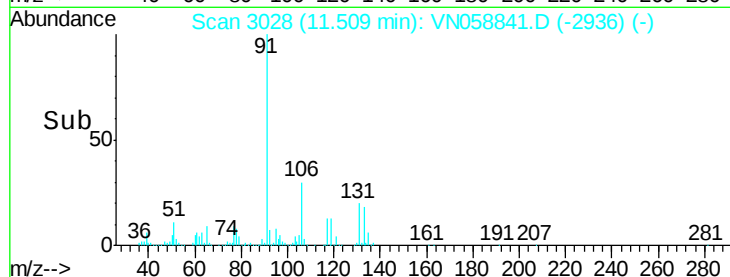
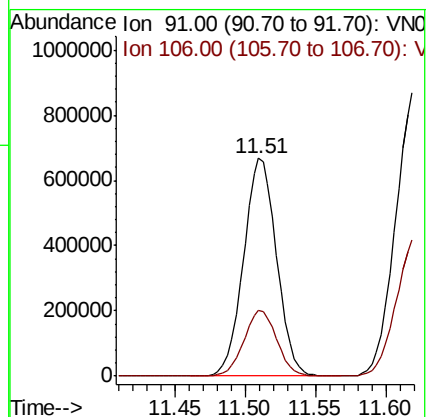
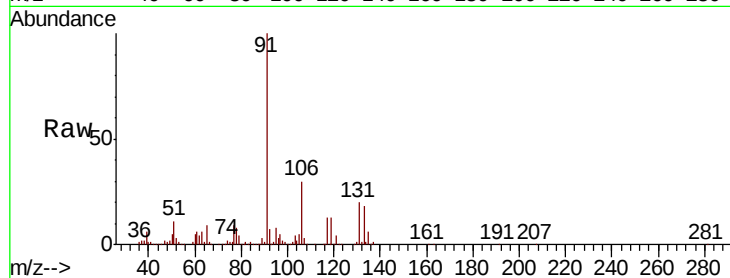
ClientSampled :

Tot Ion: 91 Resp: 1095765

Ion Ratio Lower Upper

91 100

106 30.0 24.1 36.1



#68

m/p-Xylenes

Concen: 112.238 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058841.D

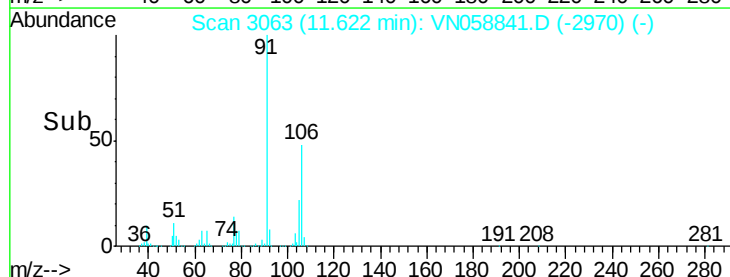
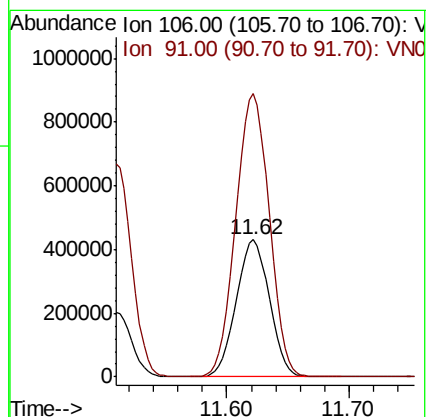
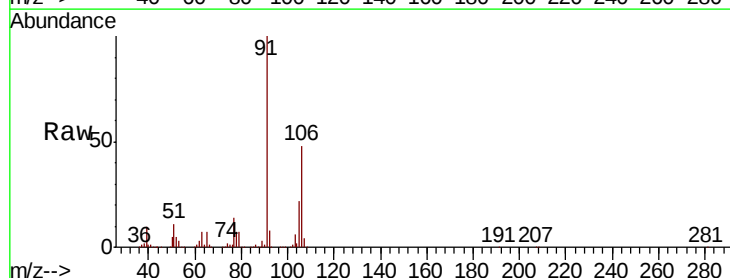
Acq: 17 Oct 2019 20:18

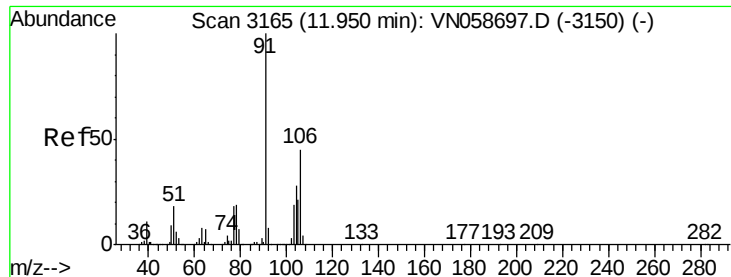
Tgt Ion: 106 Resp: 810124

Ion Ratio Lower Upper

106 100

91 209.1 165.7 248.5





#69

o-Xylene

Concen: 55.297 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

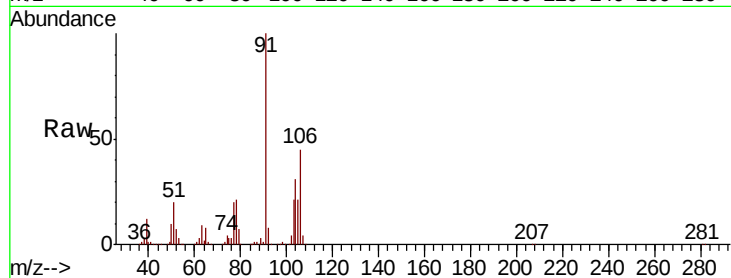
ClientSampleId :

Tot Ion:106 Resp: 386165

Ion Ratio Lower Upper

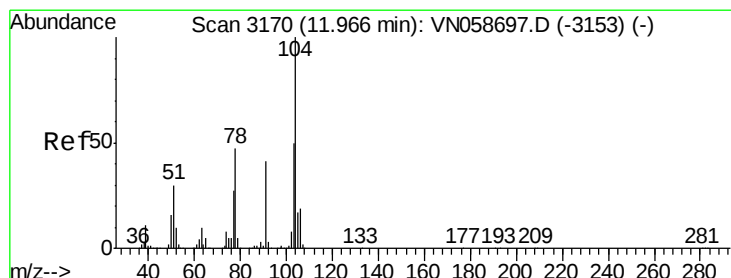
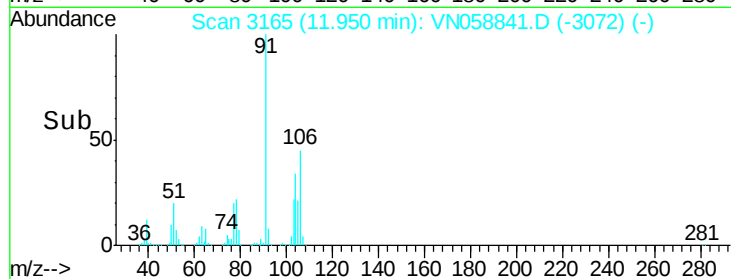
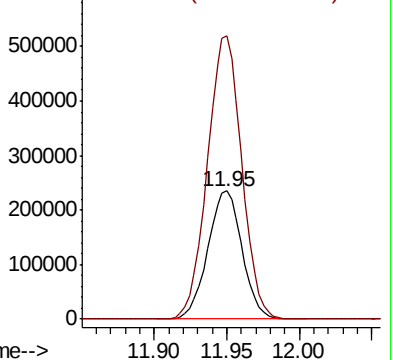
106 100

91 221.2 110.9 332.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 57.009 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

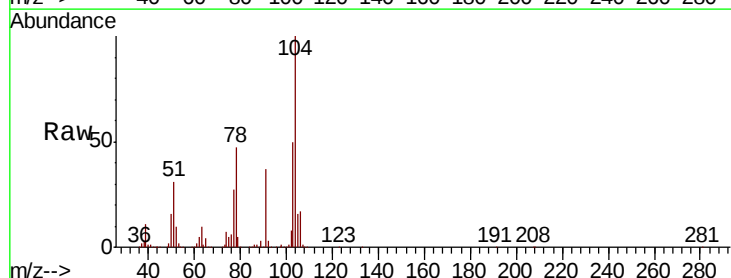
Tgt Ion:104 Resp: 652521

Ion Ratio Lower Upper

104 100

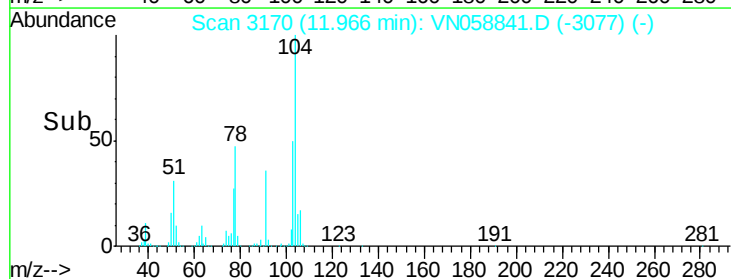
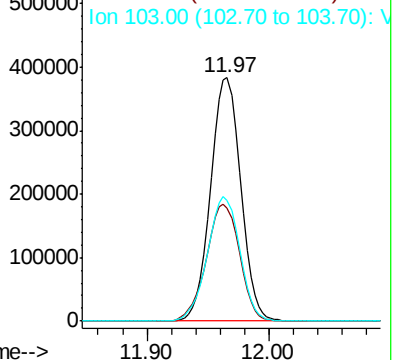
78 53.5 42.2 63.2

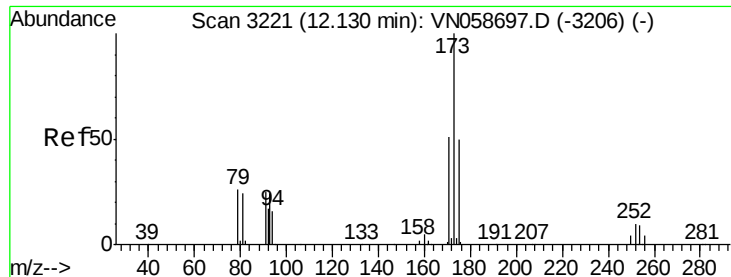
103 55.2 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN





#71

Bromoform

Concen: 61.205 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampled :

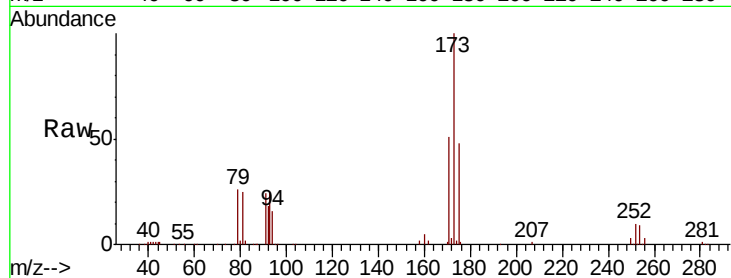
Tot Ion:173 Resp: 178994

Ion Ratio Lower Upper

173 100

175 48.1 24.6 73.8

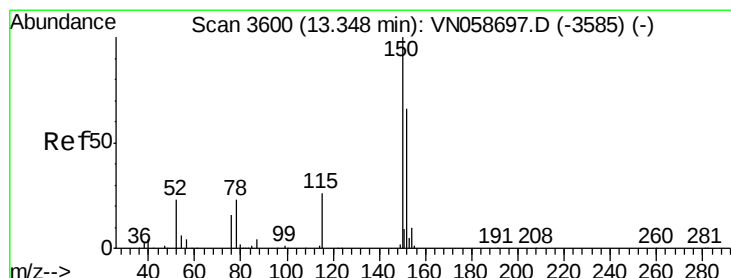
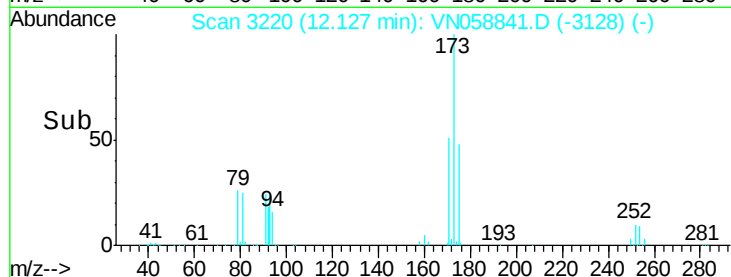
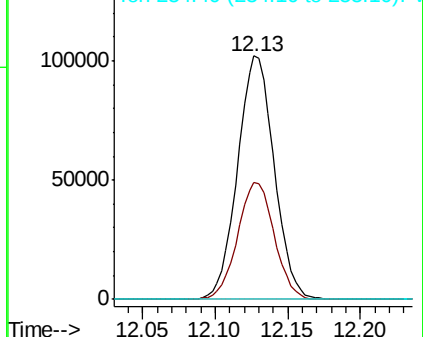
254 0.1 0.1 0.1



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

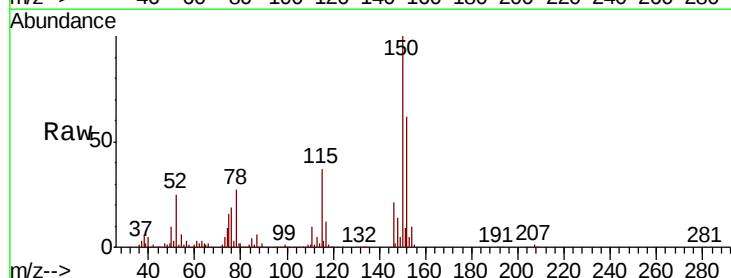
Tgt Ion:152 Resp: 267790

Ion Ratio Lower Upper

152 100

115 60.7 30.4 91.2

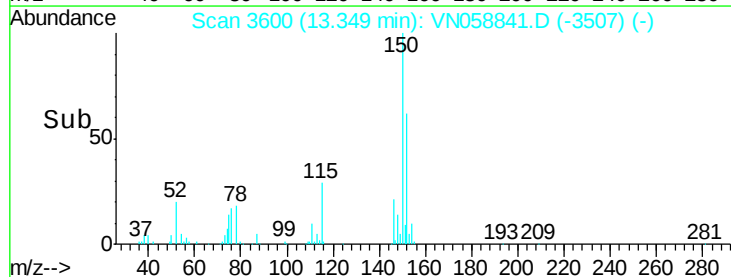
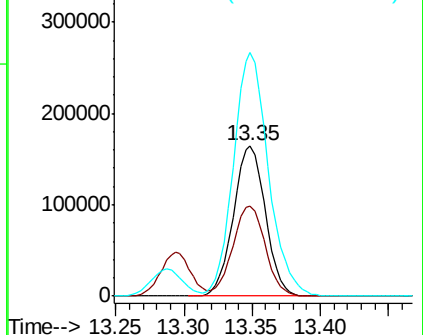
150 176.6 0.0 345.4

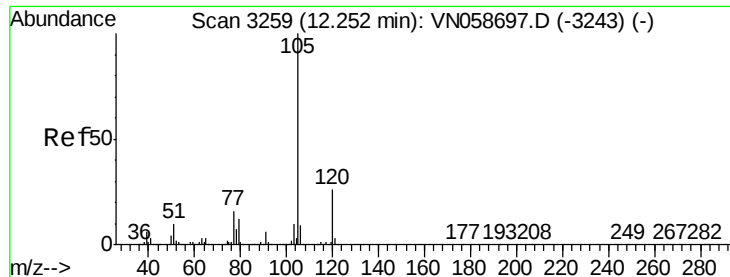


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.245 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

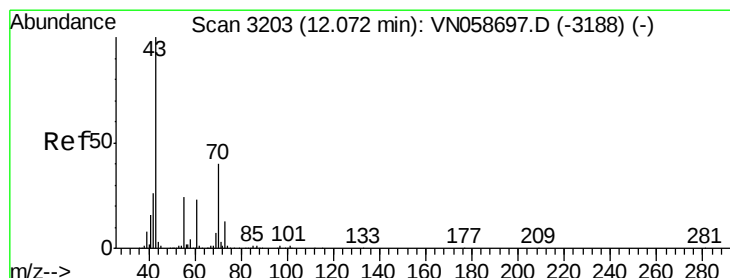
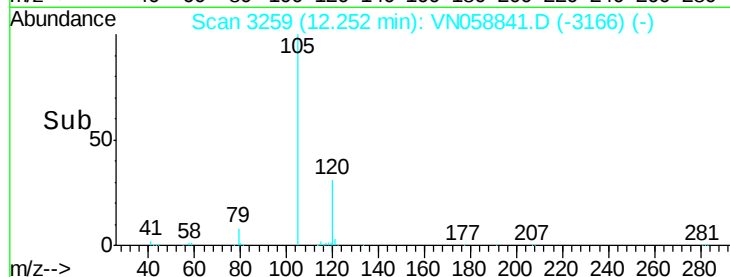
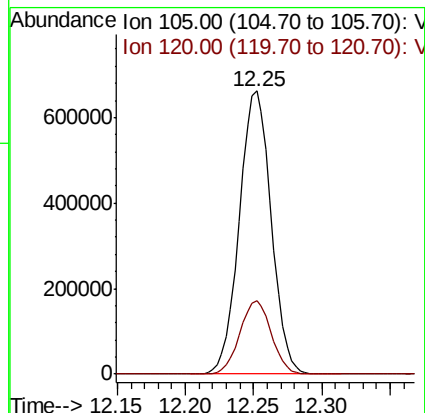
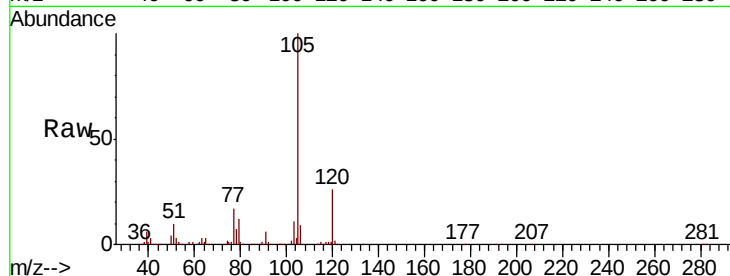
ClientSampleId :

Tot Ion:105 Resp: 1071421

Ion Ratio Lower Upper

105 100

120 25.6 13.1 39.1



#74

N-ethyl acetate

Concen: 57.859 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion: 43 Resp: 503981

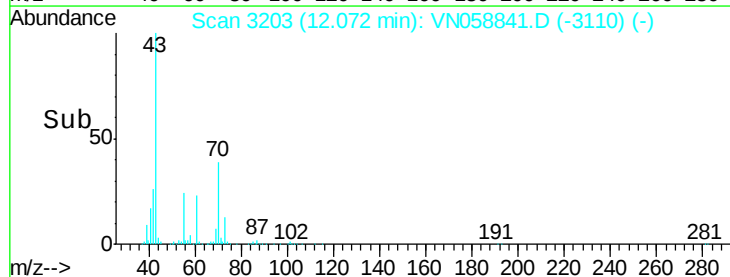
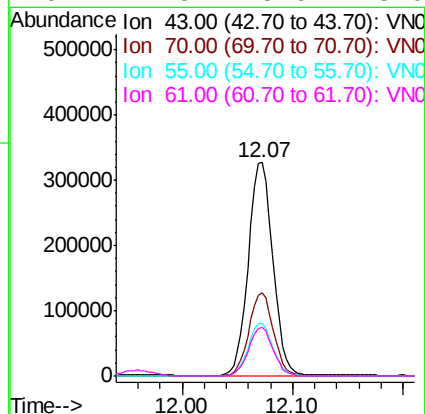
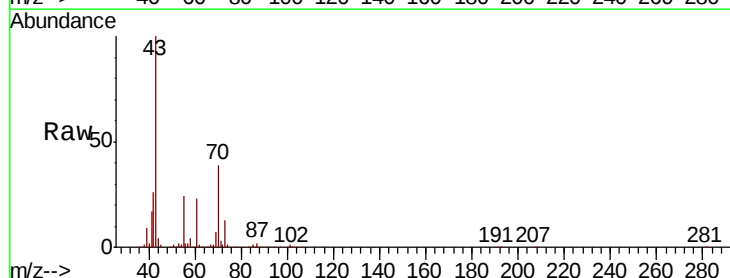
Ion Ratio Lower Upper

43 100

70 39.0 32.2 48.4

55 25.0 19.6 29.4

61 22.8 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.781 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

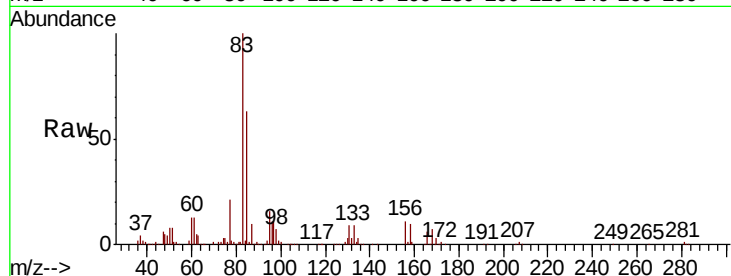
Tot Ion: 83 Resp: 362769

Ion Ratio Lower Upper

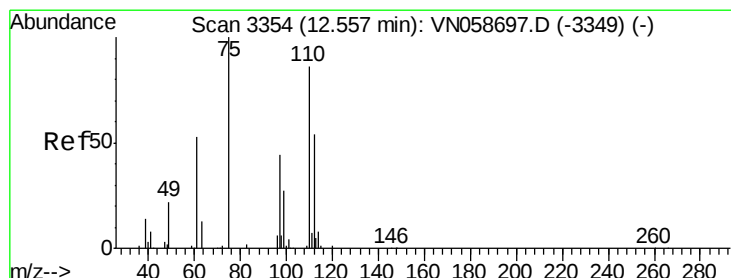
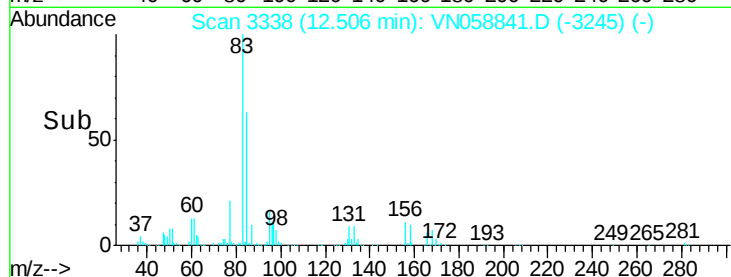
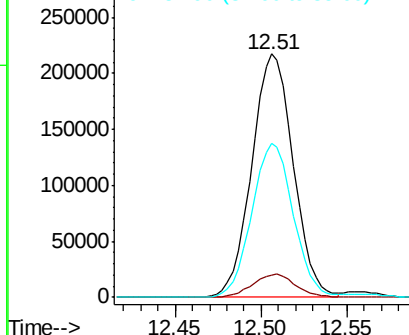
83 100

131 9.8 4.8 14.4

85 63.3 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 81.699 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058841.D

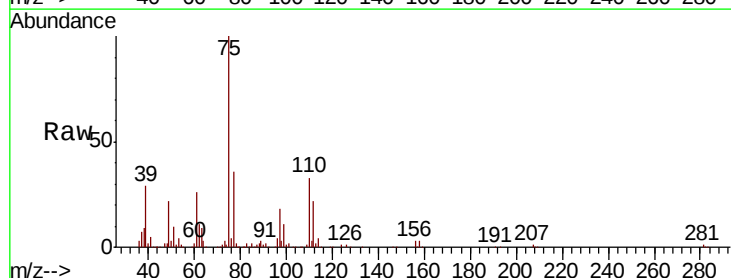
Acq: 17 Oct 2019 20:18

Tgt Ion: 75 Resp: 479956

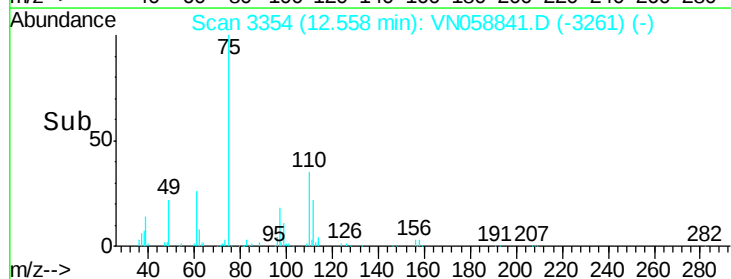
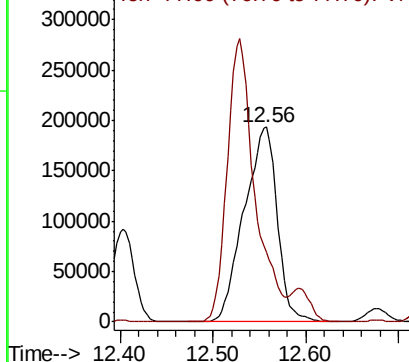
Ion Ratio Lower Upper

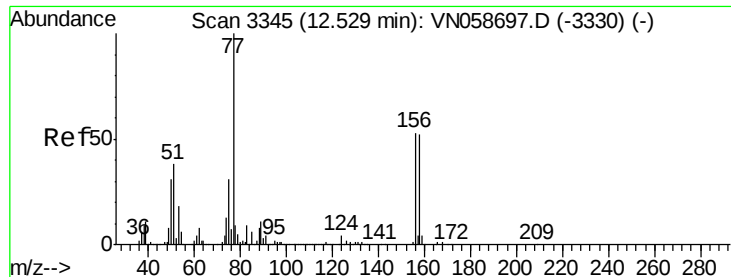
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 54.076 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

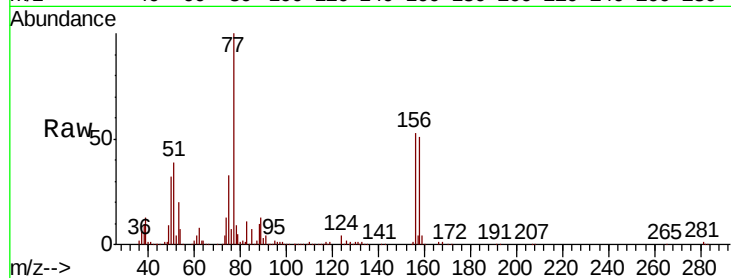
Tot Ion:156 Resp: 255091

Ion Ratio Lower Upper

156 100

77 230.1 115.8 347.3

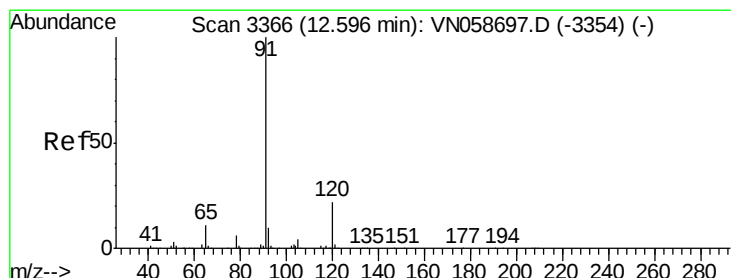
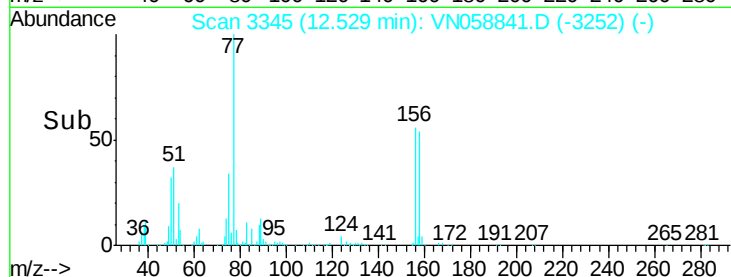
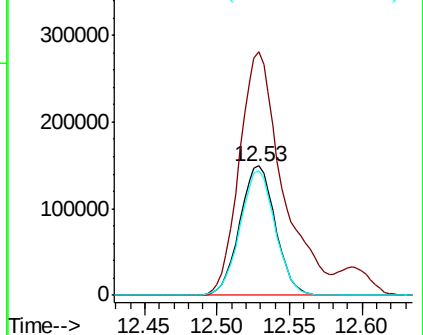
158 95.1 48.9 146.6



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: 56.046 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058841.D

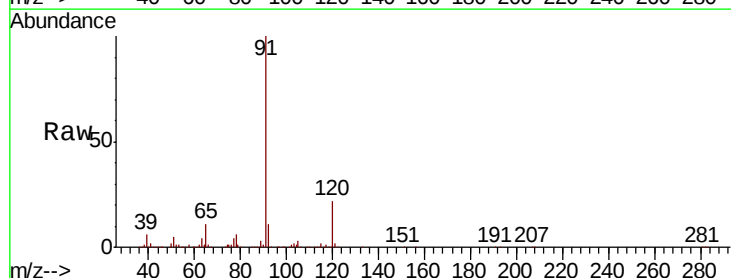
Acq: 17 Oct 2019 20:18

Tgt Ion: 91 Resp: 1266591

Ion Ratio Lower Upper

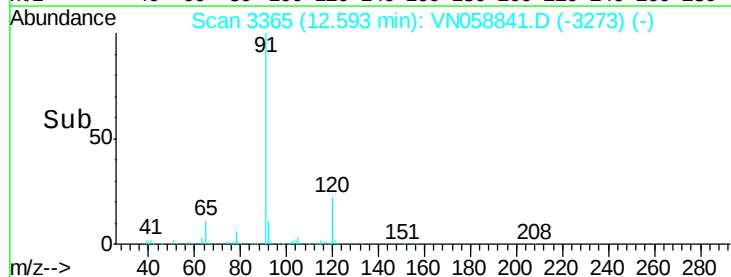
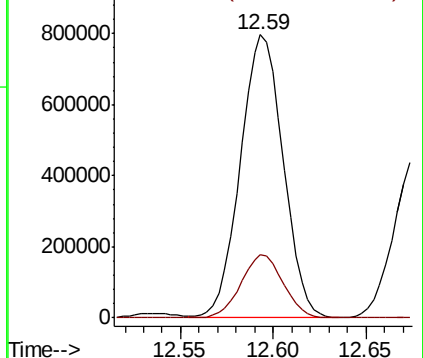
91 100

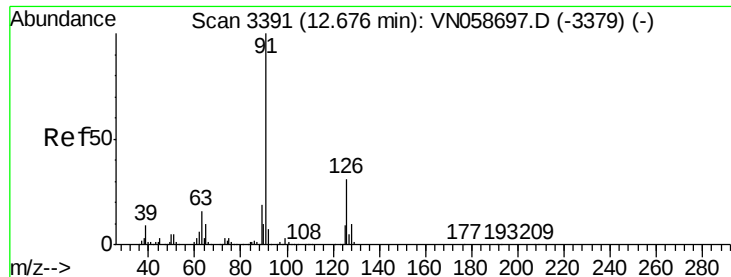
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.467 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

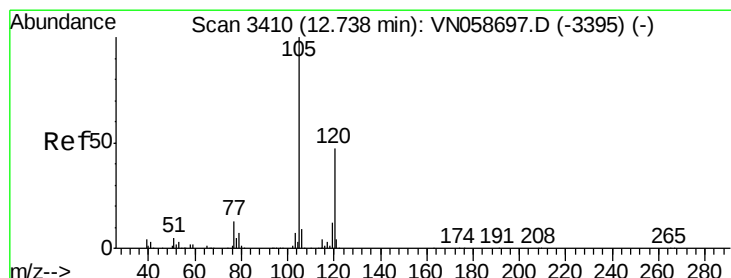
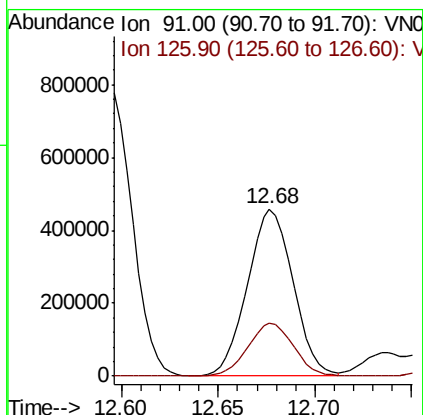
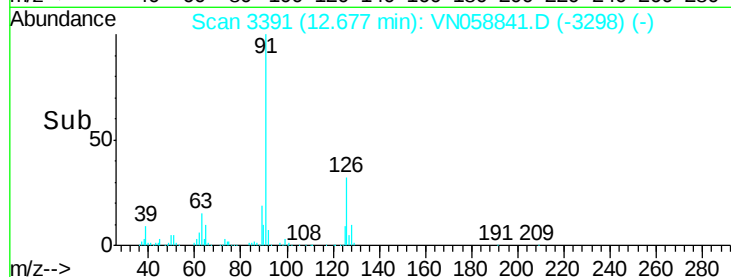
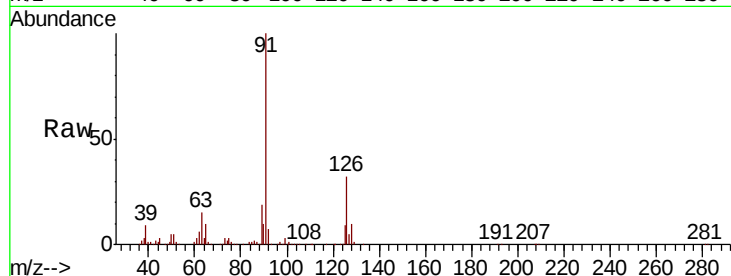
ClientSampleId :

Tot Ion: 91 Resp: 749967

Ion Ratio Lower Upper

91 100

126 32.0 16.2 48.5



#80

1,3,5-Trimethylbenzene

Concen: 55.563 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058841.D

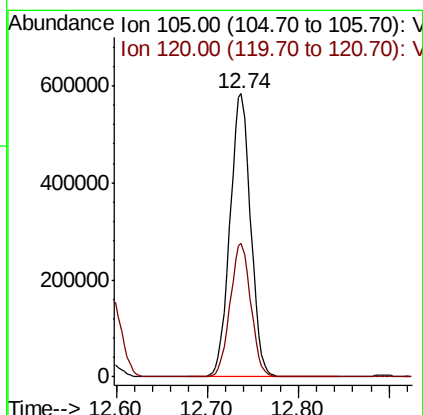
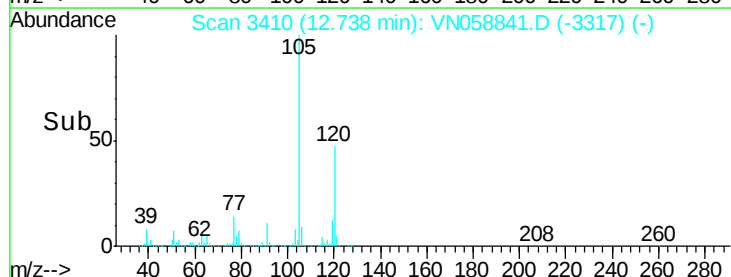
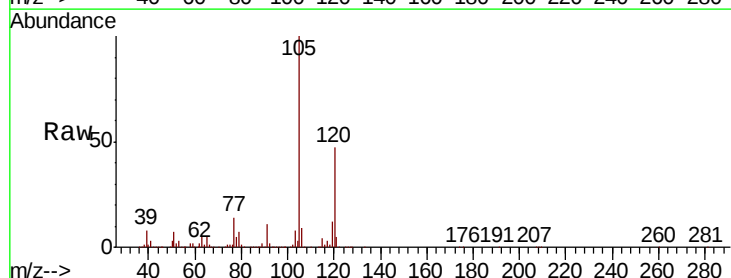
Acq: 17 Oct 2019 20:18

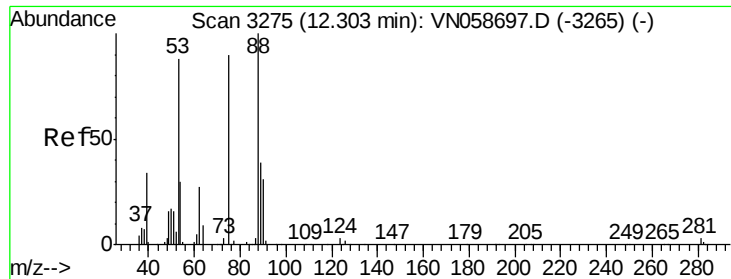
Tgt Ion: 105 Resp: 919986

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.2

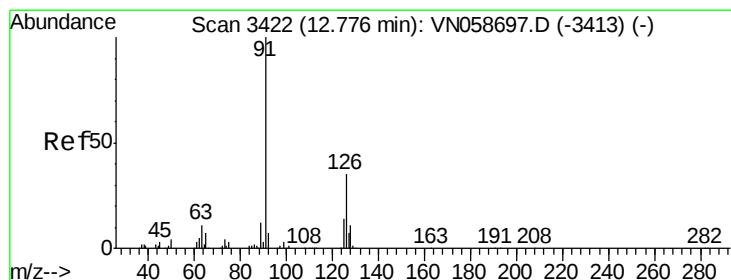
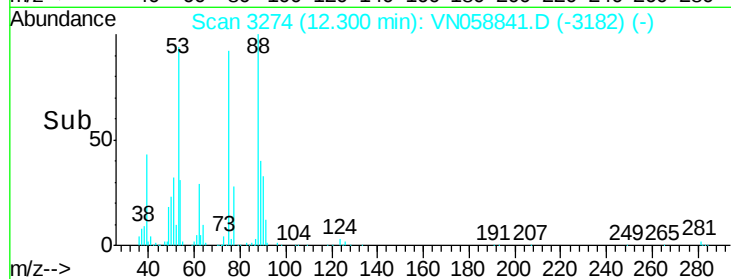
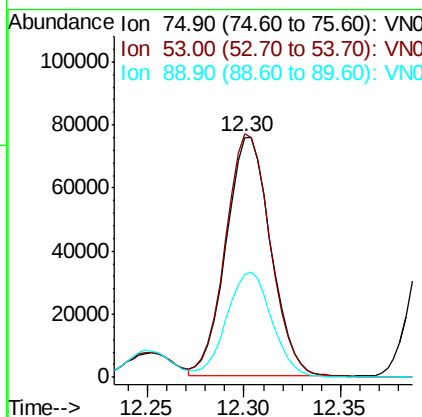
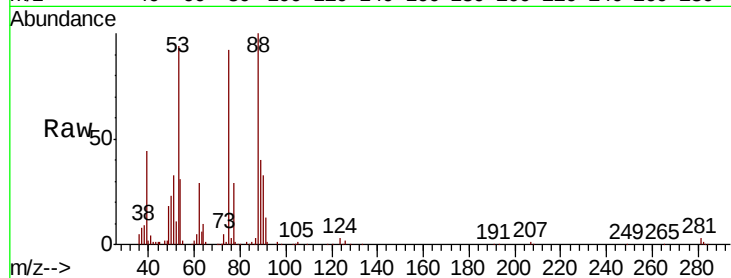




#81
trans-1,4-Dichloro-2-butene
Concen: 55.535 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

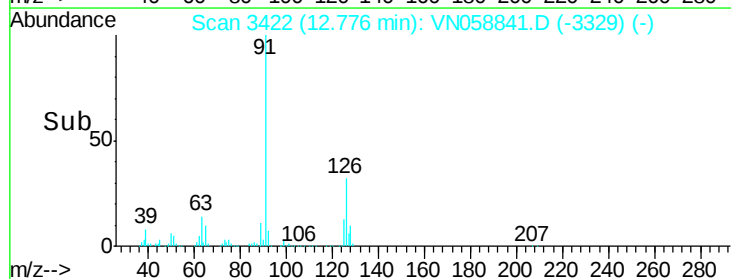
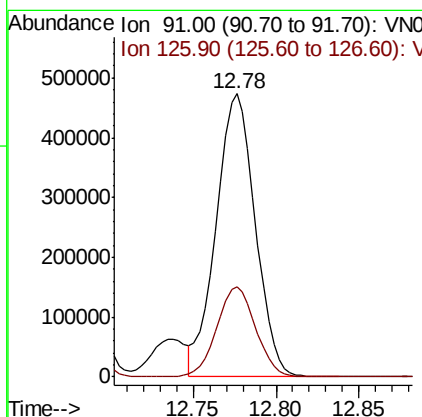
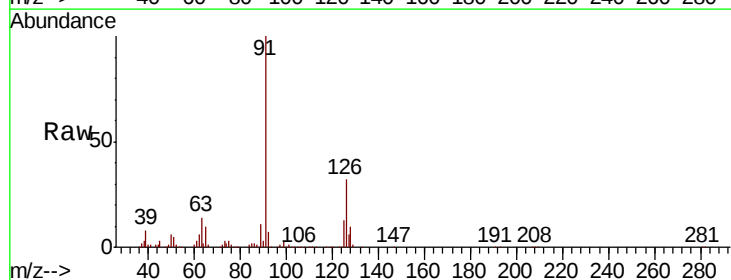
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 121794
Ion Ratio Lower Upper
75 100
53 103.3 78.4 117.6
89 44.6 34.9 52.3



#82
4-Chlorotoluene
Concen: 53.819 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion: 91 Resp: 774653
Ion Ratio Lower Upper
91 100
126 31.6 15.9 47.6





#83

tert-Butylbenzene

Concen: 54.869 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampled :

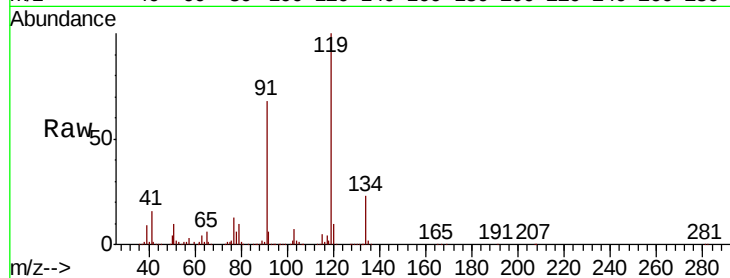
Tot Ion:119 Resp: 778277

Ion Ratio Lower Upper

119 100

91 67.6 33.8 101.3

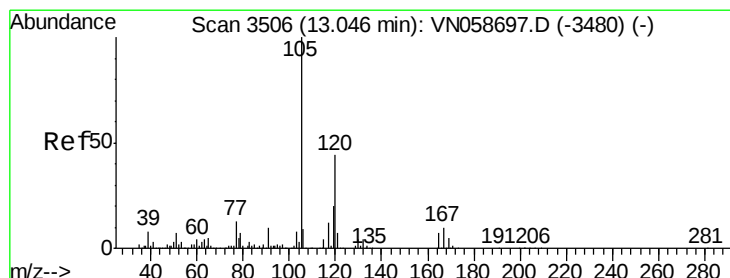
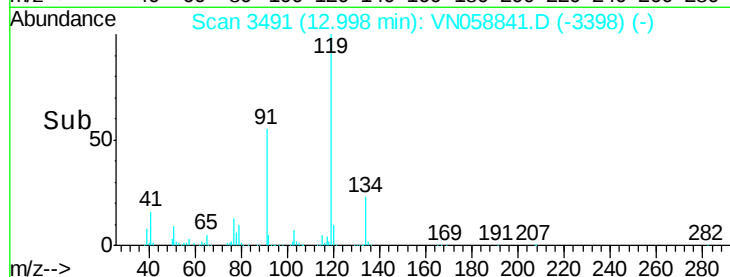
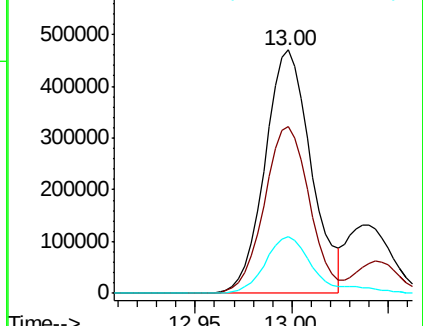
134 24.7 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.368 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058841.D

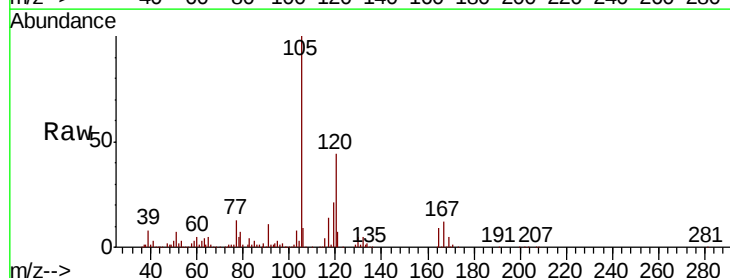
Acq: 17 Oct 2019 20:18

Tgt Ion:105 Resp: 926528

Ion Ratio Lower Upper

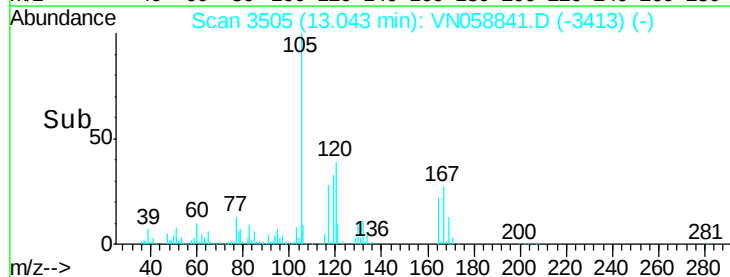
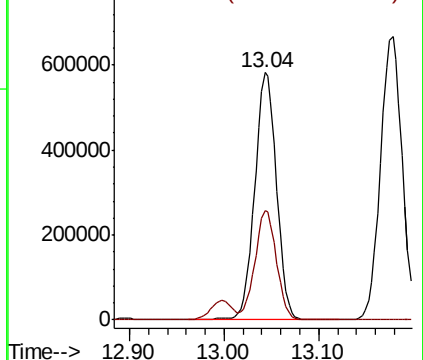
105 100

120 43.9 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.592 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

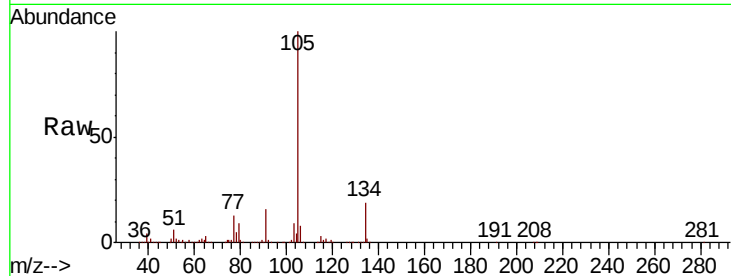
ClientSampled :

Tot Ion:105 Resp: 1057722

Ion Ratio Lower Upper

105 100

134 19.1 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

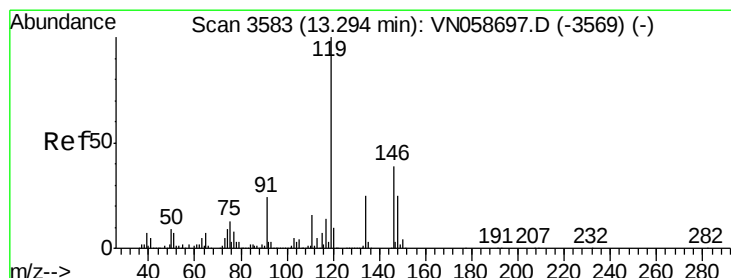
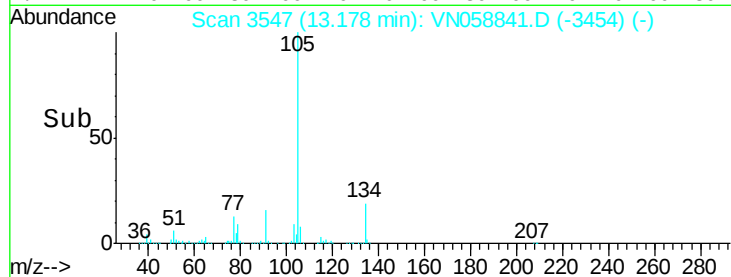
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 56.055 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

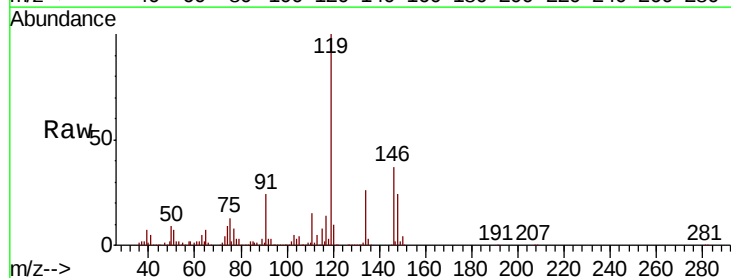
Tgt Ion:119 Resp: 952196

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

91 24.5 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

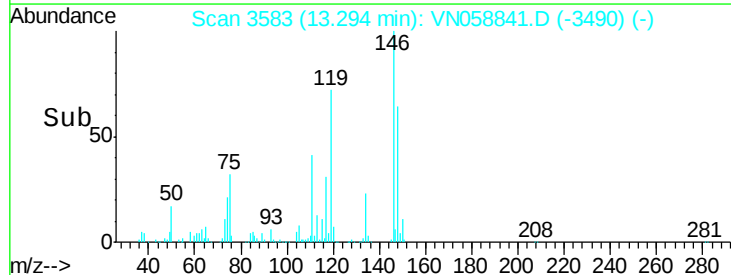
600000

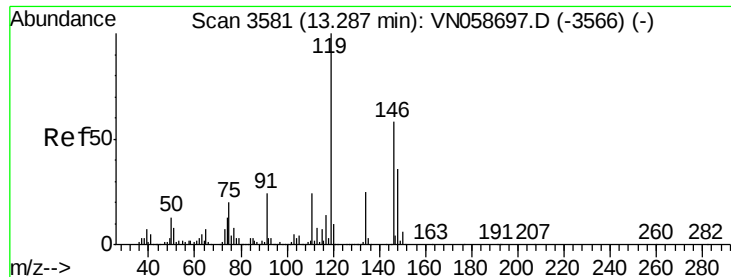
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 53.111 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058841.D

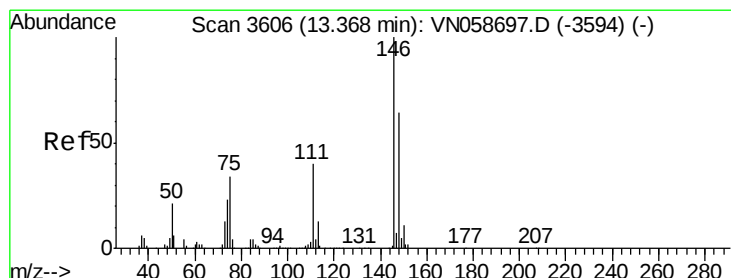
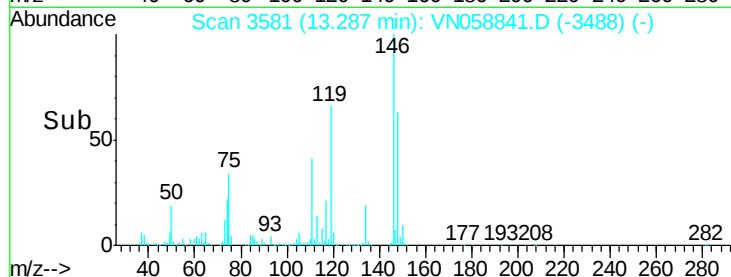
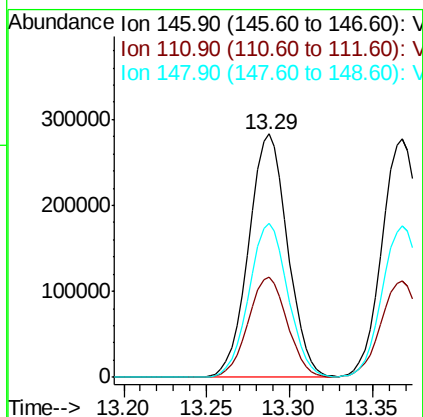
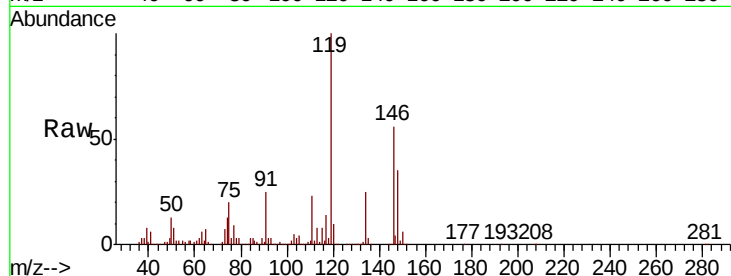
Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	462041
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.6
148	63.4	31.3	93.9



#88

1,4-Dichlorobenzene

Concen: 51.616 ug/l

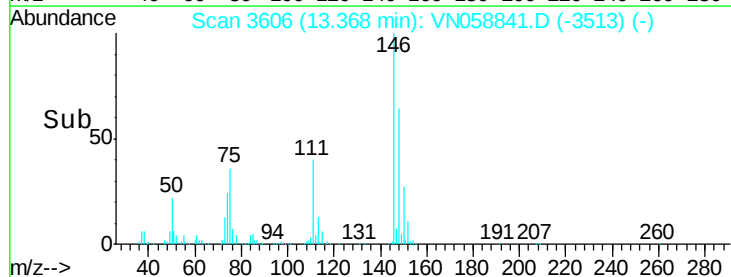
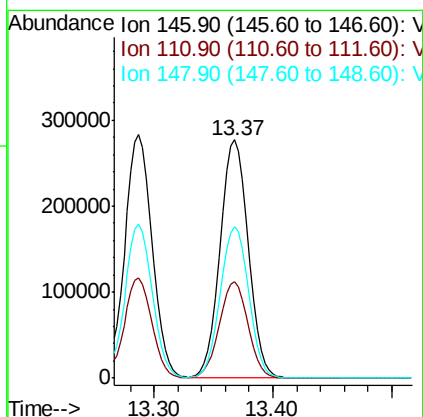
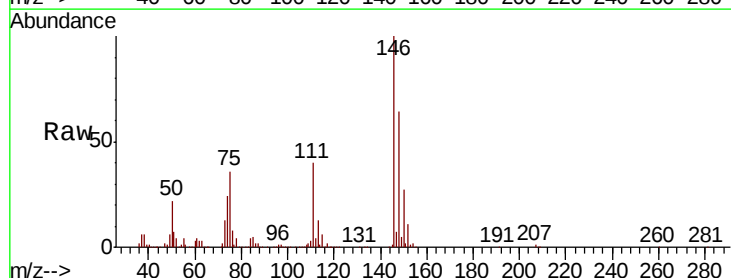
RT: 13.37 min Scan# 3606

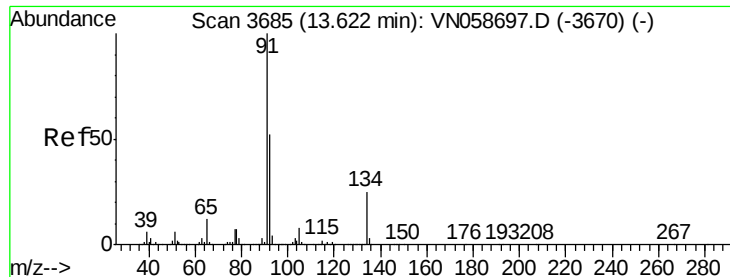
Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	146	Resp:	456555
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.1	60.2
148	64.3	31.9	95.7





#89

n-Butylbenzene

Concen: 55.082 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

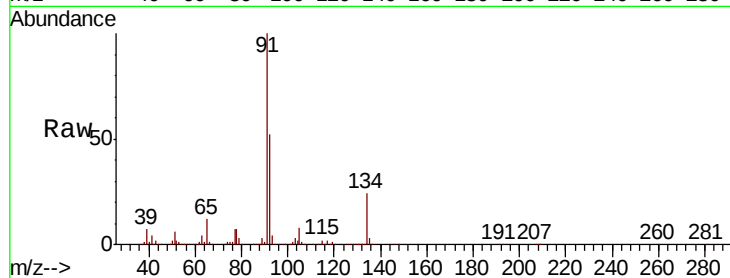
Tot Ion: 91 Resp: 865173

Ion Ratio Lower Upper

91 100

92 51.0 26.0 78.0

134 24.3 12.2 36.6

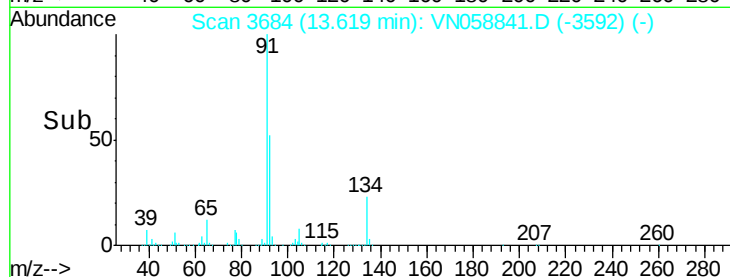


Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058697.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058697.D (-3670) (-)

Time-->

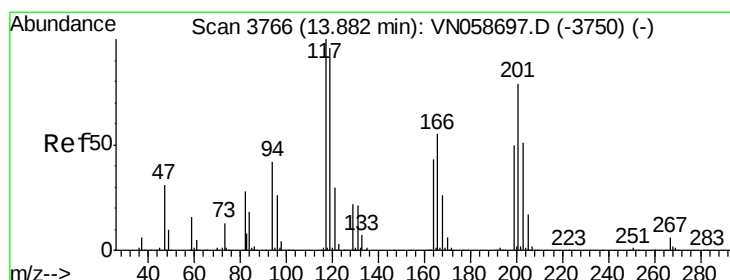


Abundance Ion 91.00 (90.70 to 91.70): VN058841.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN058841.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN058841.D (-3592) (-)

Time-->



#90

Hexachloroethane

Concen: 58.167 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058841.D

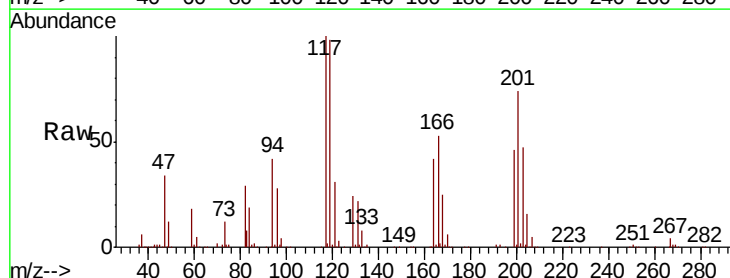
Acq: 17 Oct 2019 20:18

Tgt Ion: 117 Resp: 176797

Ion Ratio Lower Upper

117 100

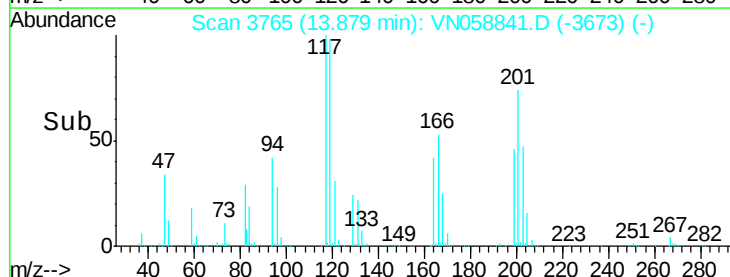
201 76.2 39.6 118.7



Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058697.D (-3750) (-)

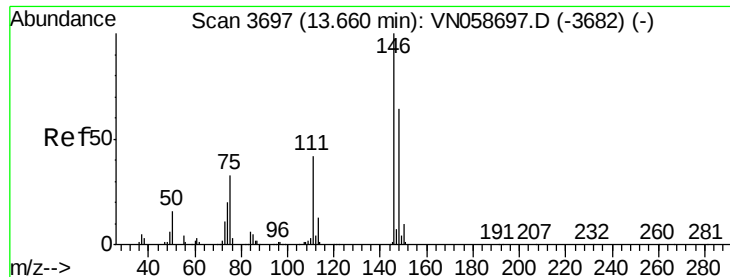
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN058841.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058841.D (-3673) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 53.987 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058841.D

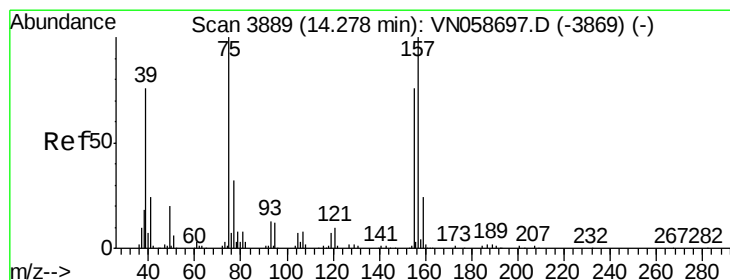
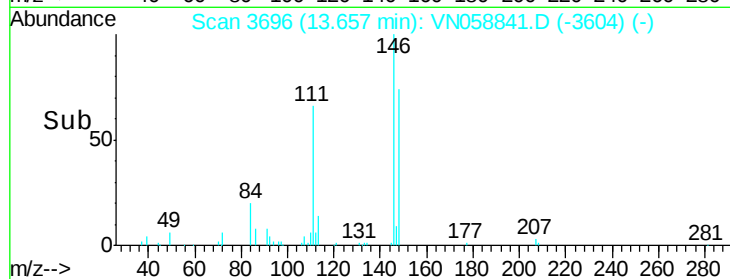
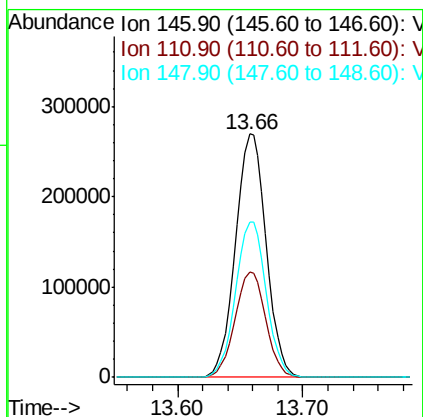
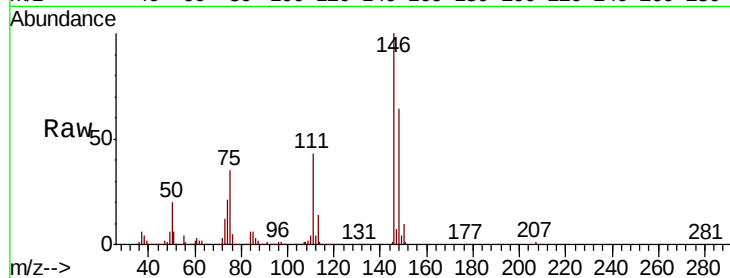
Acq: 17 Oct 2019 20:18

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	457753
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.4
148	63.7	31.8	95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.041 ug/l

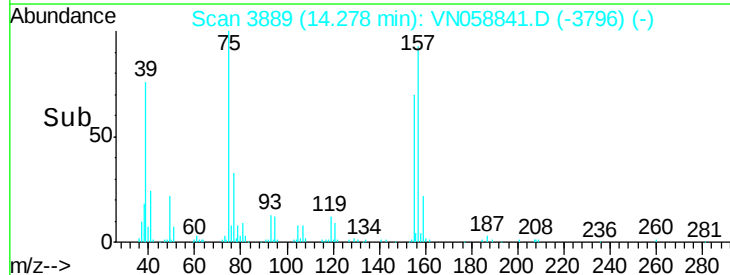
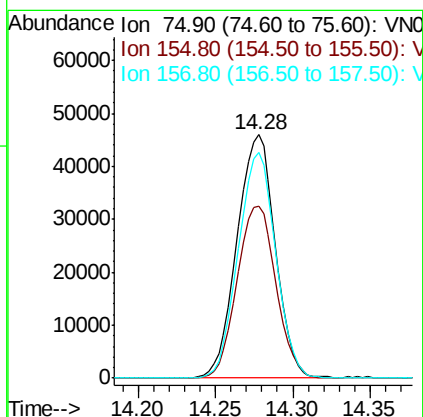
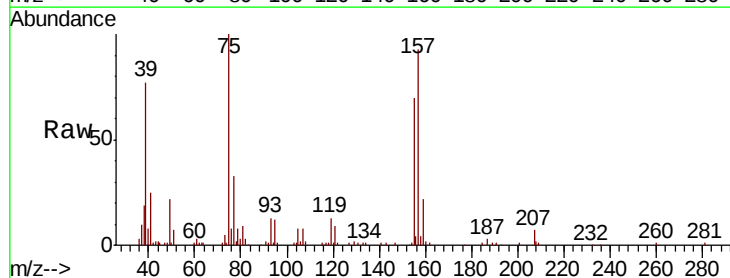
RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058841.D

Acq: 17 Oct 2019 20:18

Tgt Ion:	75	Resp:	79168
Ion	Ratio	Lower	Upper
75	100		
155	71.8	37.9	113.6
157	90.9	49.4	148.2

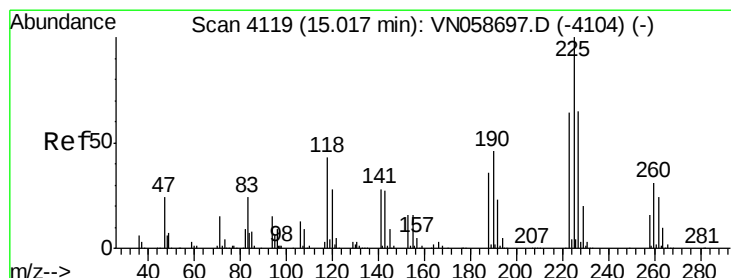
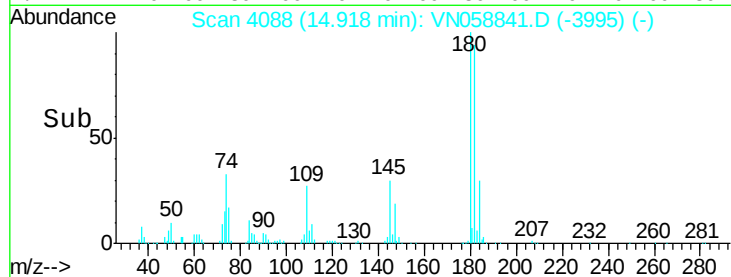
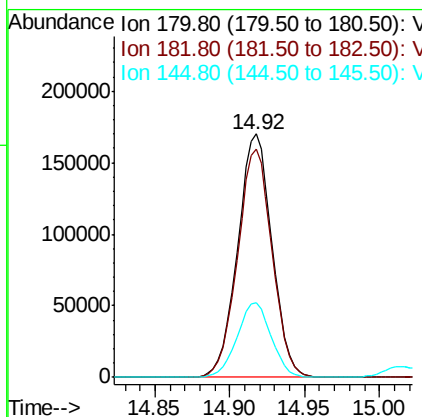
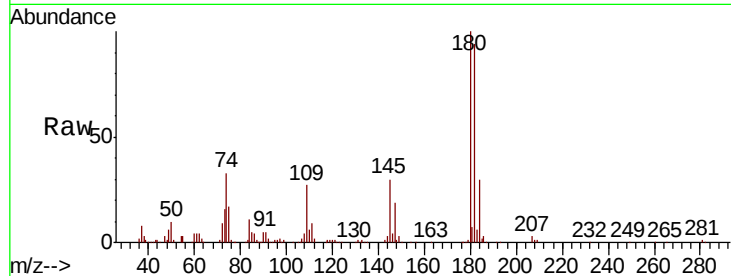




#93
 1,2,4-Trichlorobenzene
 Concen: 52.289 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

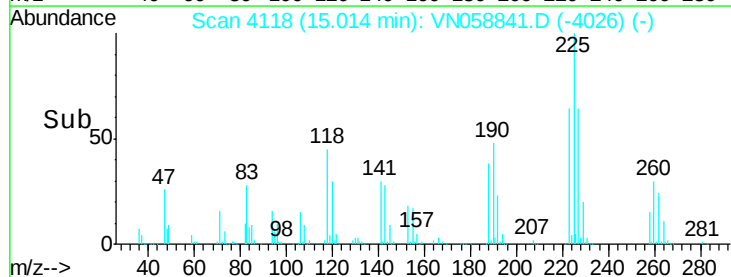
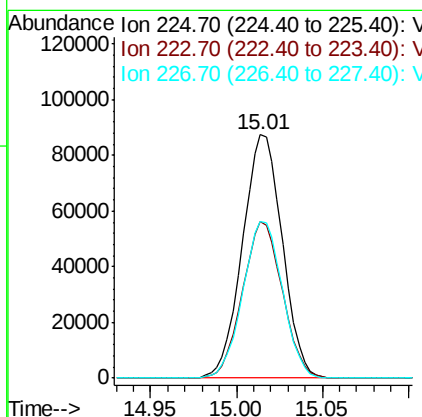
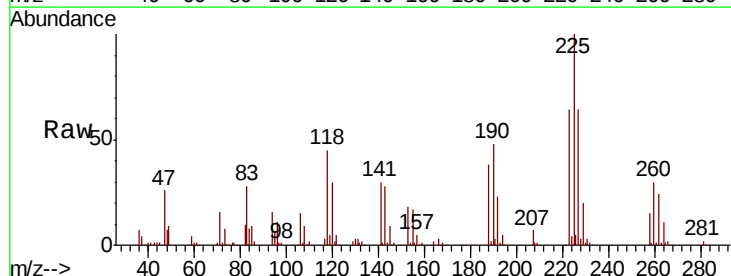
Instrument :
 MSVOA_N
 ClientSampled :

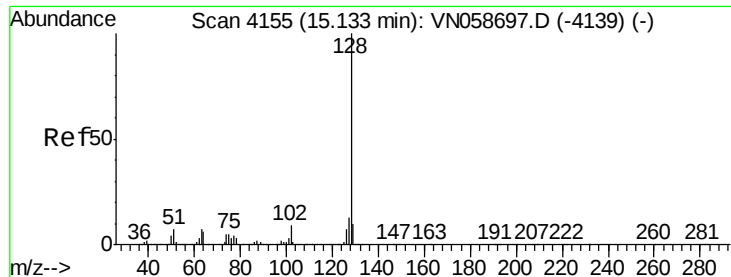
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.2
145	30.6	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 51.444 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058841.D
 Acq: 17 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	32.3	96.8
227	63.9	32.4	97.0

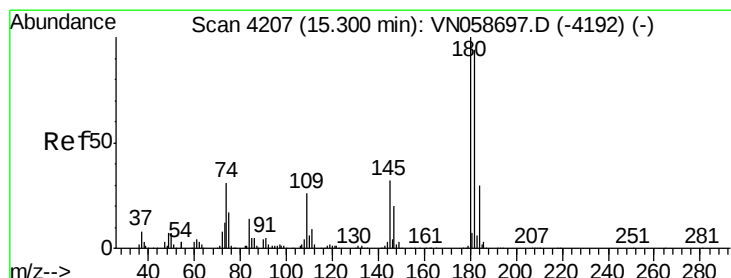
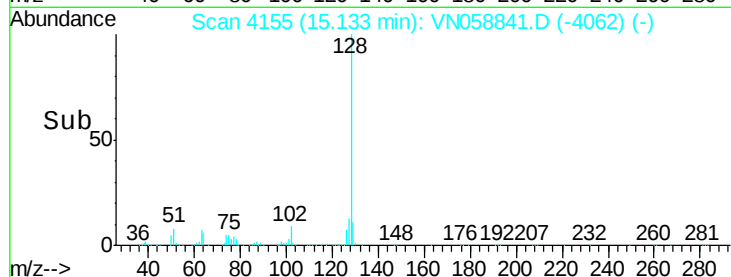
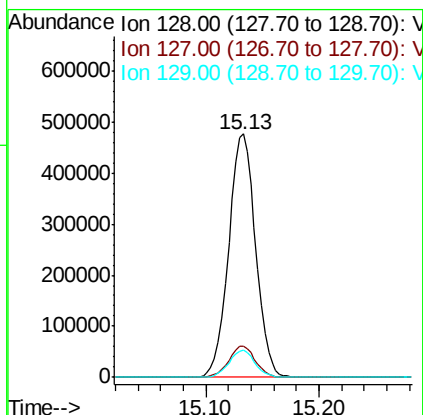
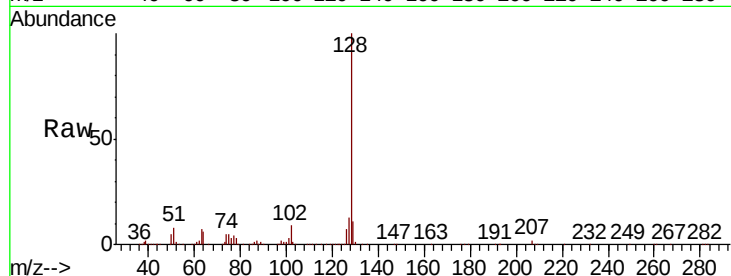




#95
Naphthalene
Concen: 53.009 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 787970
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 51.182 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058841.D
Acq: 17 Oct 2019 20:18

Tgt Ion:180 Resp: 258458
Ion Ratio Lower Upper
180 100
182 94.9 47.3 142.0
145 32.9 16.2 48.6

