

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058821.D
 Acq On : 17 Oct 2019 12:56
 Operator : JC/SP
 Sample : VN1017WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 01:26:15 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	370487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	600699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	549553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	256108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	273959	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
35) Dibromofluoromethane	7.57	113	196721	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.09	98	738893	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	271824	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	97155	21.056	ug/l	100
3) Chloromethane	2.04	50	109039	19.873	ug/l	98
4) Vinyl Chloride	2.17	62	114187	20.895	ug/l	99
5) Bromomethane	2.55	94	72195	21.717	ug/l	96
6) Chloroethane	2.69	64	72953	21.643	ug/l	97
7) Trichlorofluoromethane	3.00	101	142869	21.845	ug/l	100
8) Diethyl Ether	3.39	74	52808	21.853	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	81488	21.852	ug/l	97
10) Methyl Iodide	3.93	142	99421	19.537	ug/l	99
11) Tert butyl alcohol	4.76	59	93242	111.002	ug/l	100
12) 1,1-Dichloroethene	3.72	96	73737	20.724	ug/l	99
13) Acrolein	3.58	56	45043	66.674	ug/l	99
14) Allyl chloride	4.30	41	152535	21.244	ug/l	100
15) Acrylonitrile	4.96	53	240788	113.667	ug/l	99
16) Acetone	3.79	43	252823	117.741	ug/l	100
17) Carbon Disulfide	4.03	76	218323	19.196	ug/l	99
18) Methyl Acetate	4.30	43	127938	23.489	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	273656	21.539	ug/l	94
20) Methylene Chloride	4.53	84	90733	20.218	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	81563	20.494	ug/l	99
22) Diisopropyl ether	5.93	45	307439	22.022	ug/l	96
23) Vinyl Acetate	5.87	43	1295183	114.974	ug/l	100
24) 1,1-Dichloroethane	5.82	63	171176	21.528	ug/l	100
25) 2-Butanone	6.82	43	347746	112.043	ug/l	99
26) 2,2-Dichloropropane	6.81	77	147122	20.270	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	94555	20.374	ug/l	98
28) Bromochloromethane	7.17	49	57760	20.881	ug/l	98
29) Tetrahydrofuran	7.19	42	223155	111.261	ug/l	99
30) Chloroform	7.36	83	167976	21.027	ug/l	96
31) Cyclohexane	7.64	56	152504	20.046	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	147283	21.618	ug/l	99
36) 1,1-Dichloropropene	7.78	75	123458	20.327	ug/l	99
37) Ethyl Acetate	6.91	43	139848	22.768	ug/l	98
38) Carbon Tetrachloride	7.76	117	127507	21.541	ug/l	97

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Quant Time: Oct 18 01:26:15 2019
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 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)
39) Methylcyclohexane	9.07	83	139113	19.739	ug/l	97
40) Benzene	8.03	78	370334	21.231	ug/l	100
41) Methacrylonitrile	7.15	41	59141	20.569	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	144879	21.619	ug/l	100
43) Isopropyl Acetate	8.15	43	226941	21.688	ug/l	98
44) Trichloroethene	8.82	130	89700	20.708	ug/l	98
45) 1,2-Dichloropropane	9.11	63	102650	21.983	ug/l	98
46) Dibromomethane	9.20	93	63448	21.431	ug/l	100
47) Bromodichloromethane	9.39	83	132001	21.896	ug/l	99
48) Methyl methacrylate	9.19	41	102073	21.520	ug/l	100
49) 1,4-Dioxane	9.19	88	32396	441.493	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	706010	120.140	ug/l	98
52) Toluene	10.15	92	222646	20.869	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	145814	21.088	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	158125	21.539	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	90783	20.791	ug/l	98
56) Ethyl methacrylate	10.43	69	133932	20.995	ug/l	98
57) 1,3-Dichloropropane	10.71	76	159289	21.407	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	315584	102.653	ug/l	100
59) 2-Hexanone	10.75	43	520923	114.705	ug/l	98
60) Dibromochloromethane	10.90	129	94787	21.043	ug/l	97
61) 1,2-Dibromoethane	11.00	107	92843	21.223	ug/l	99
64) Tetrachloroethene	10.63	164	80800	21.009	ug/l	96
65) Chlorobenzene	11.43	112	234153	20.981	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	88376	21.415	ug/l	98
67) Ethyl Benzene	11.51	91	425298	21.378	ug/l	99
68) m/p-Xylenes	11.62	106	307742	41.221	ug/l	97
69) o-Xylene	11.95	106	149004	20.628	ug/l	99
70) Styrene	11.97	104	239648	20.242	ug/l	99
71) Bromoform	12.13	173	67083	22.177	ug/l #	99
73) Isopropylbenzene	12.25	105	408761	22.038	ug/l	98
74) N-amyl acetate	12.07	43	182936	21.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	140131	22.934	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	183932	32.738	ug/l #	100
77) Bromobenzene	12.53	156	96526	21.396	ug/l	98
78) n-propylbenzene	12.60	91	471154	21.799	ug/l	100
79) 2-Chlorotoluene	12.68	91	282414	21.052	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	343204	21.674	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44987	21.448	ug/l	95
82) 4-Chlorotoluene	12.78	91	294921	21.424	ug/l	100
83) tert-Butylbenzene	13.00	119	291102	21.459	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	339848	21.619	ug/l	99
85) sec-Butylbenzene	13.18	105	392038	21.932	ug/l	100
86) p-Isopropyltoluene	13.29	119	347597	21.396	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	172282	20.707	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	172508	20.393	ug/l	99
89) n-Butylbenzene	13.62	91	303683	20.216	ug/l	99
90) Hexachloroethane	13.88	117	65177	22.422	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	171198	21.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30412	21.305	ug/l	94

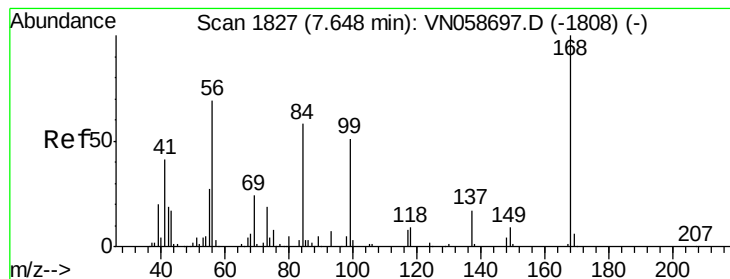
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	90930	18.382	ug/l	97
94) Hexachlorobutadiene	15.02	225	52910	20.311	ug/l	98
95) Naphthalene	15.13	128	266338	18.734	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	90886	18.819	ug/l	97

(#) = 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: VN058821.D

Acq: 17 Oct 2019 12:56

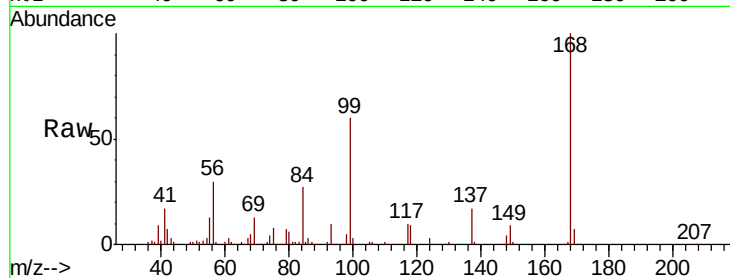
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 370487

Ion Ratio Lower Upper

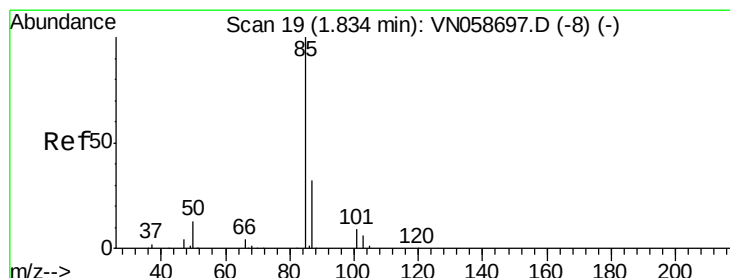
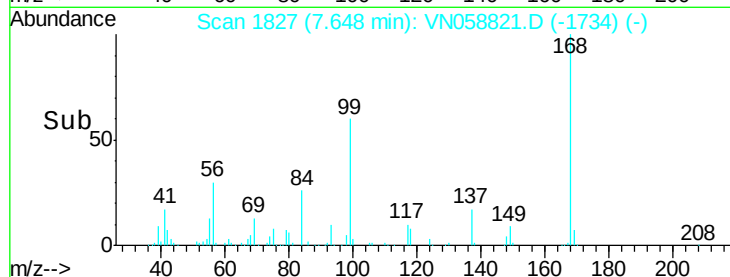
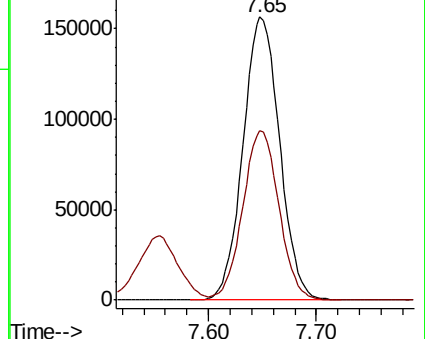
168 100

99 59.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.056 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058821.D

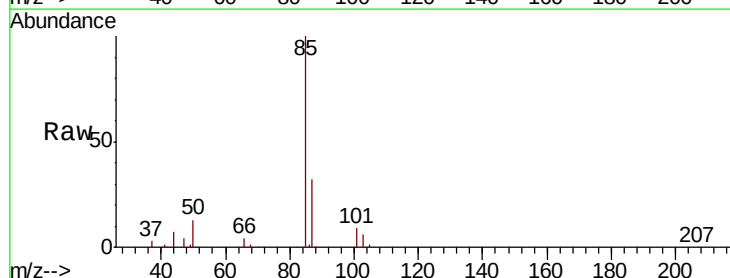
Acq: 17 Oct 2019 12:56

Tgt Ion: 85 Resp: 97155

Ion Ratio Lower Upper

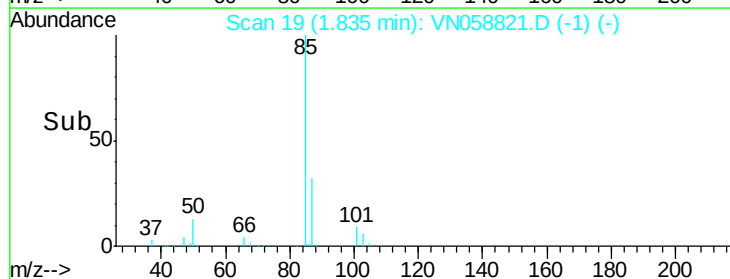
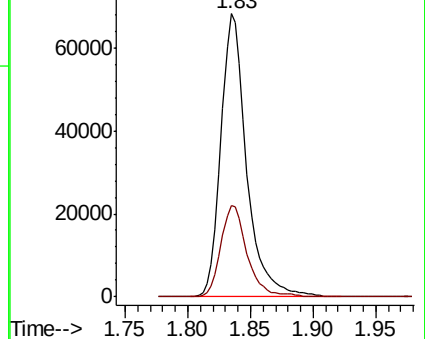
85 100

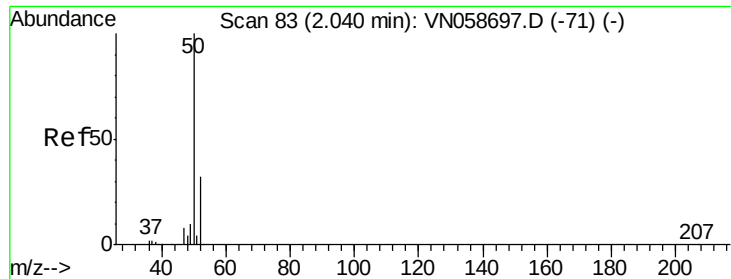
87 32.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.873 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

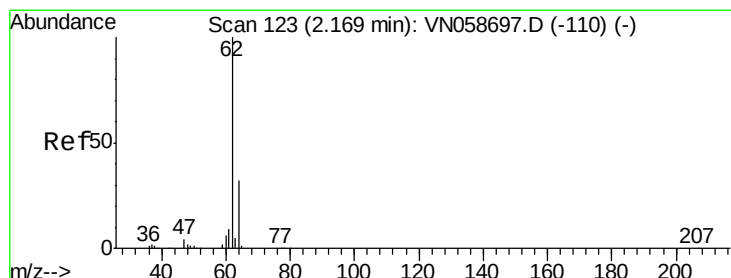
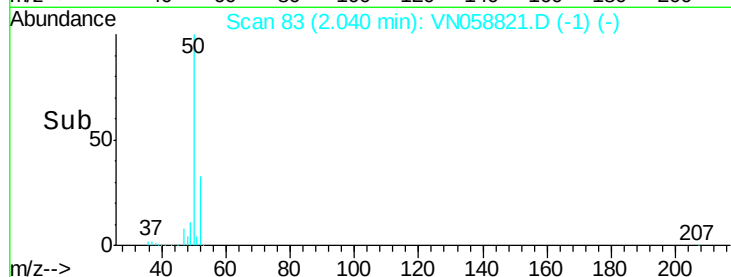
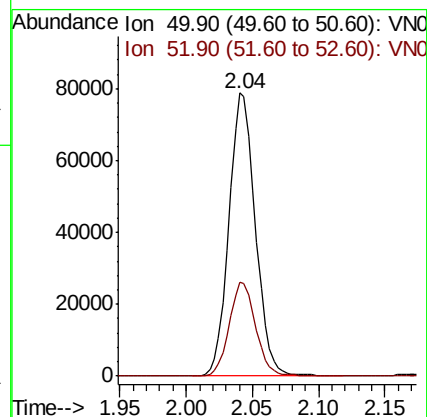
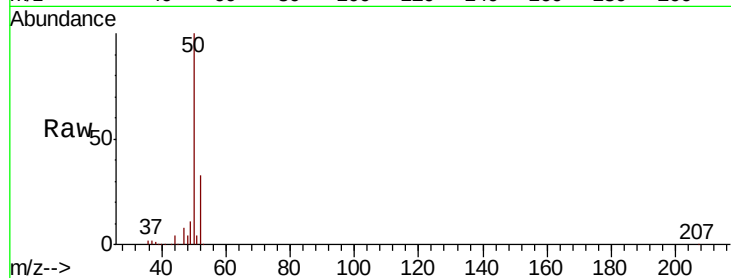
ClientSampleId :

Tot Ion: 50 Resp: 109039

Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.6



#4

Vinyl Chloride

Concen: 20.895 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058821.D

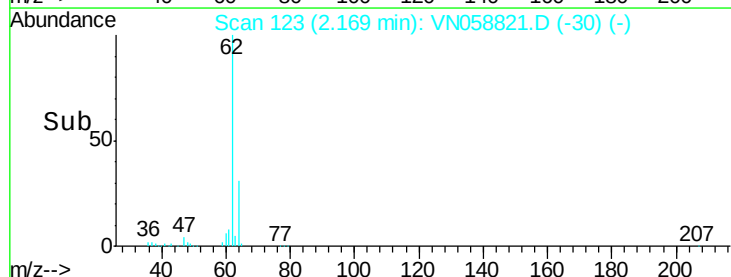
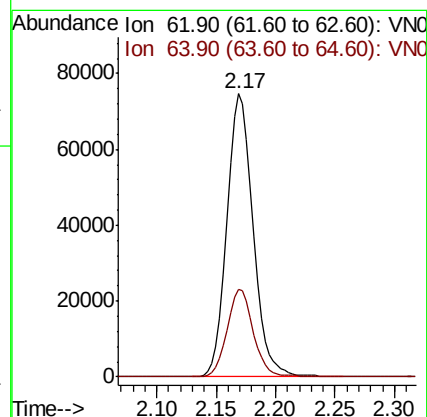
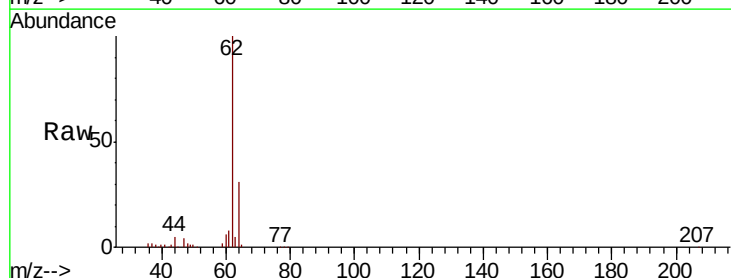
Acq: 17 Oct 2019 12:56

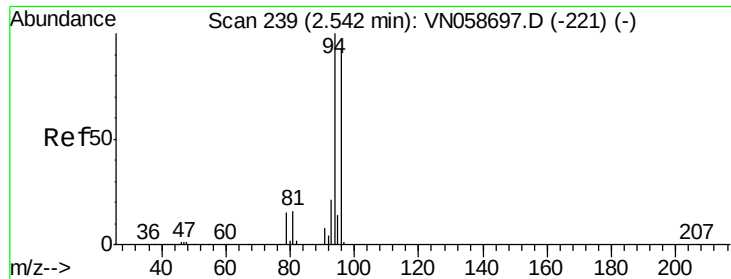
Tgt Ion: 62 Resp: 114187

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 21.717 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

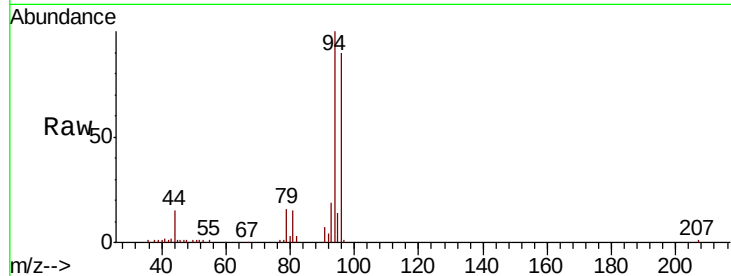
ClientSampled :

Tot Ion: 94 Resp: 72195

Ion Ratio Lower Upper

94 100

96 89.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

40000

30000

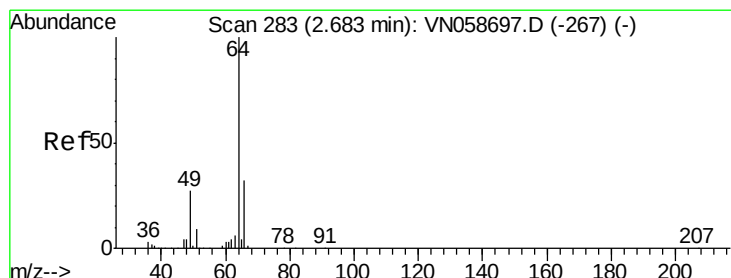
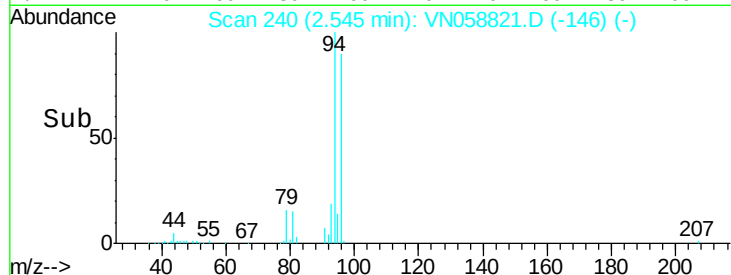
20000

10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 21.643 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058821.D

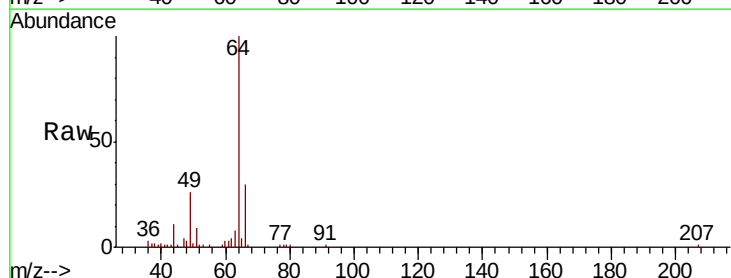
Acq: 17 Oct 2019 12:56

Tgt Ion: 64 Resp: 72953

Ion Ratio Lower Upper

64 100

66 30.3 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

40000

30000

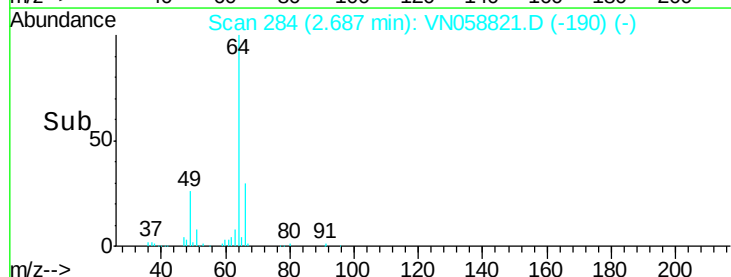
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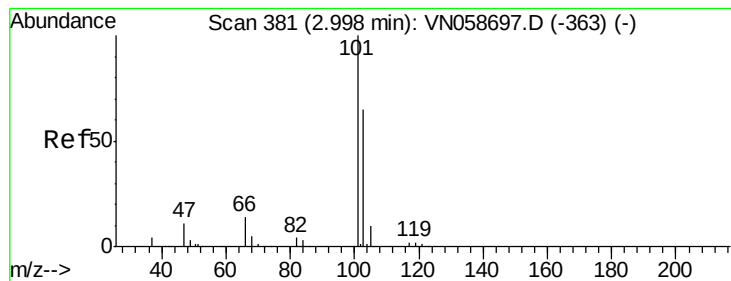
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0

Time-->

2.60 2.70 2.80



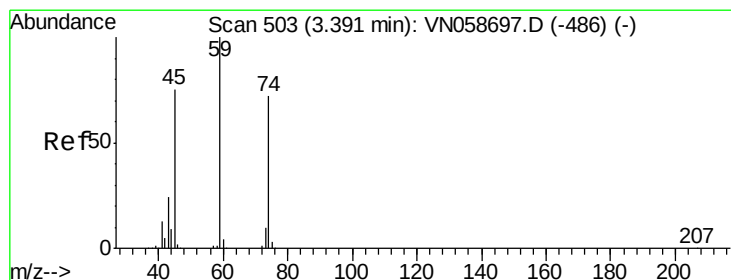
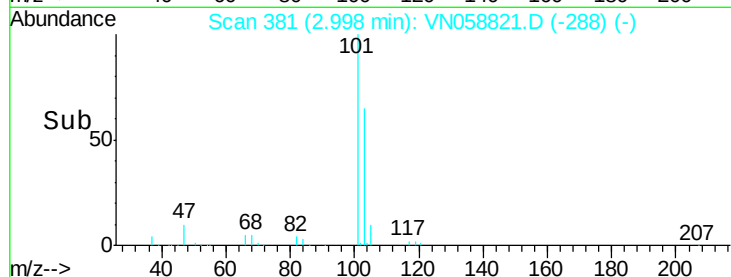
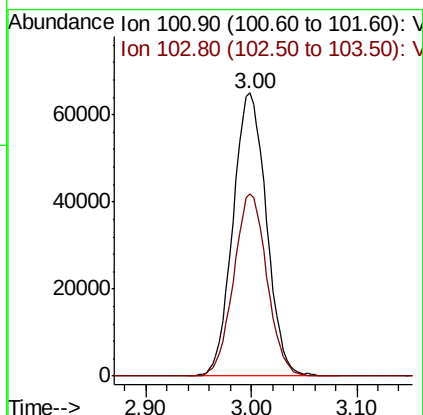
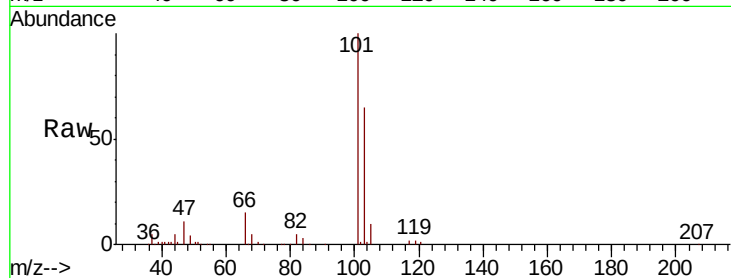


#7

Trichlorofluoromethane
 Concen: 21.845 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :

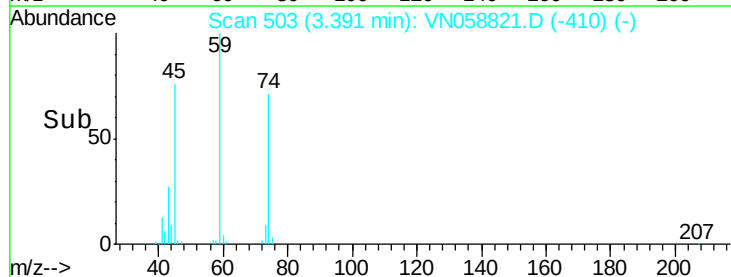
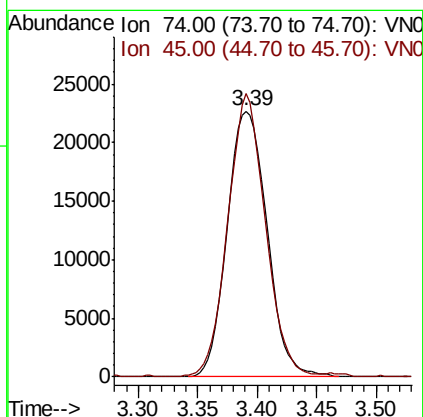
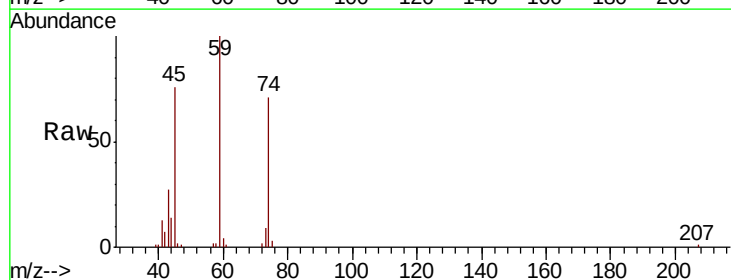
Tot Ion:101 Resp: 142869
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.8 77.6

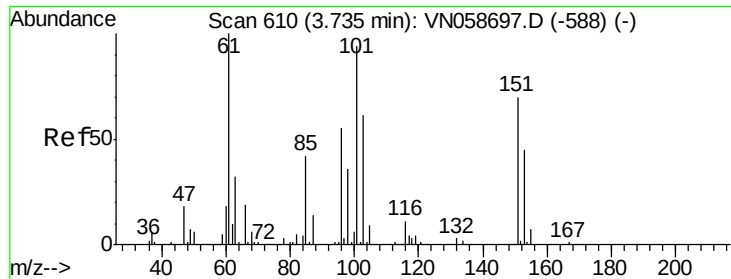


#8

Diethyl Ether
 Concen: 21.853 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion: 74 Resp: 52808
 Ion Ratio Lower Upper
 74 100
 45 100.3 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.852 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

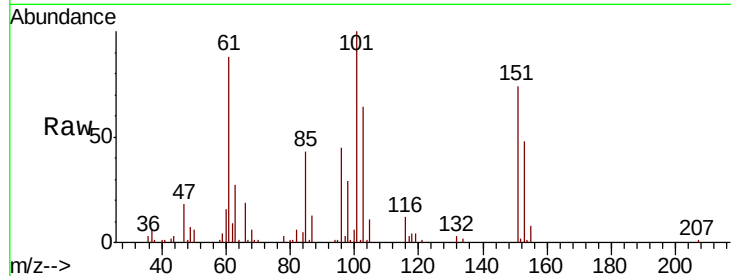
Tot Ion:101 Resp: 81488

Ion Ratio Lower Upper

101 100

85 45.1 37.0 55.6

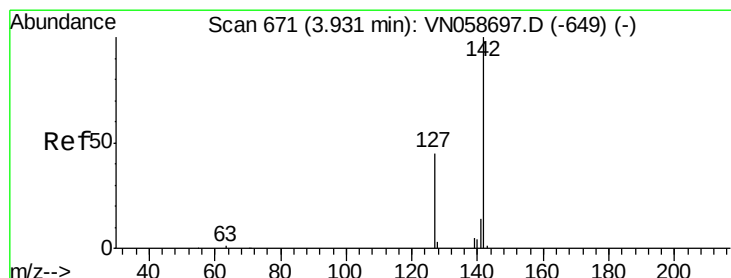
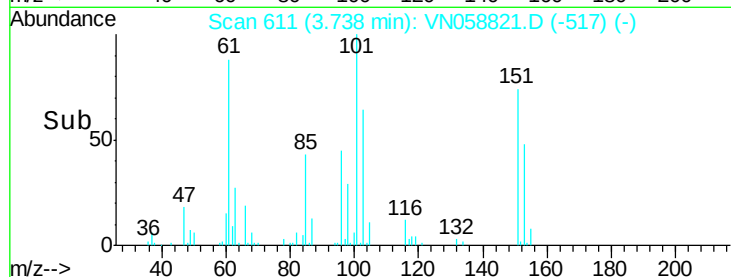
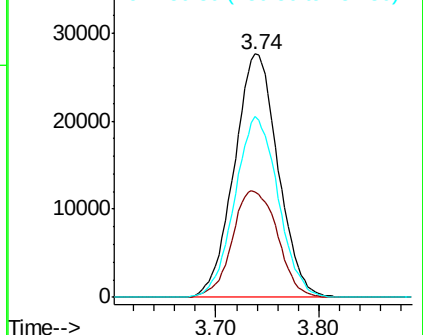
151 73.6 61.8 92.6



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: 19.537 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

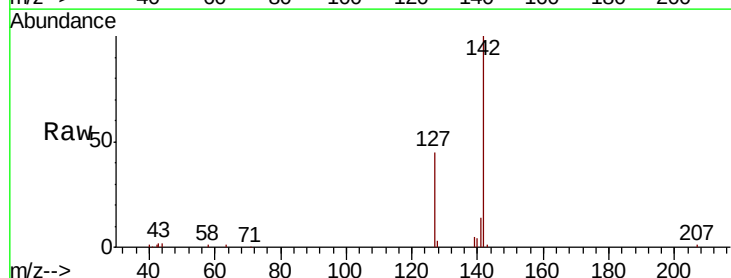
Tgt Ion:142 Resp: 99421

Ion Ratio Lower Upper

142 100

127 46.7 36.4 54.6

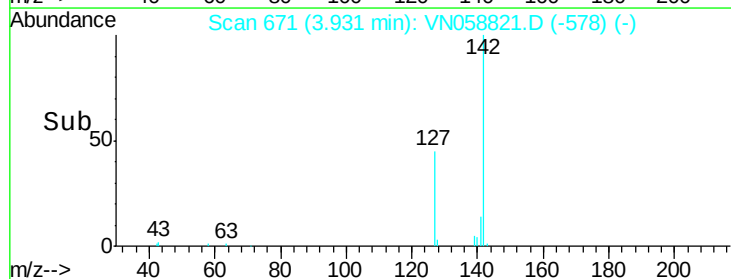
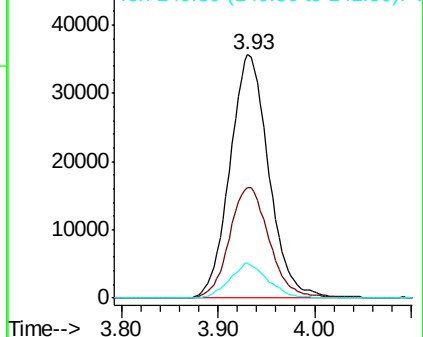
141 14.0 11.1 16.7

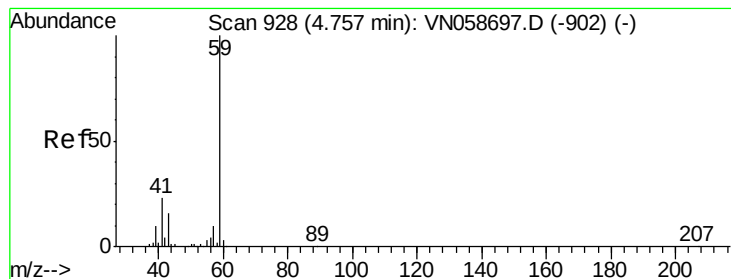


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



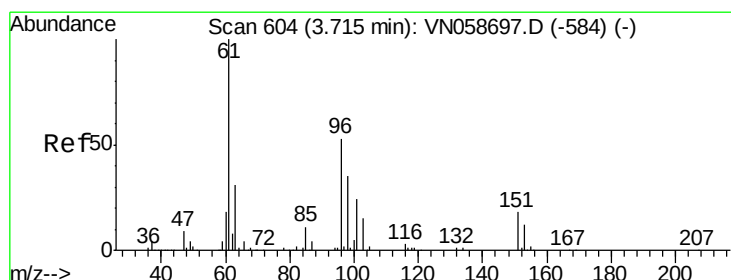
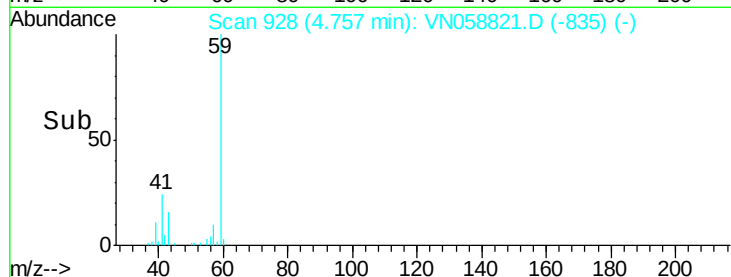
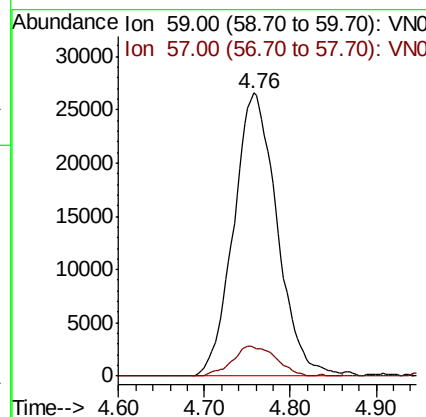
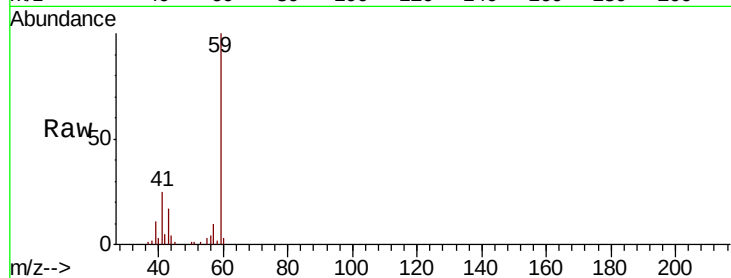


#11

Tert butyl alcohol
Concen: 111.002 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampled :

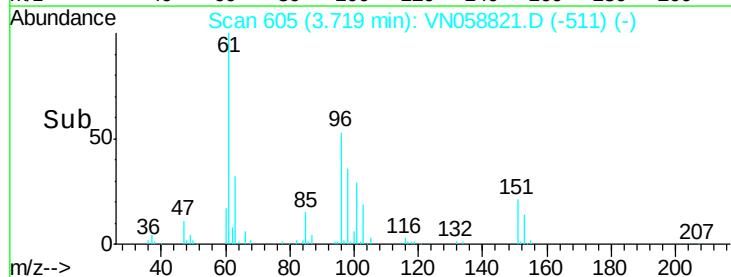
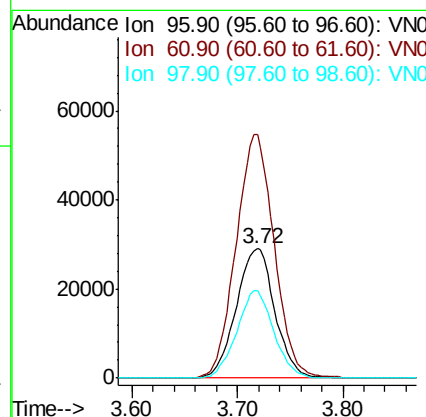
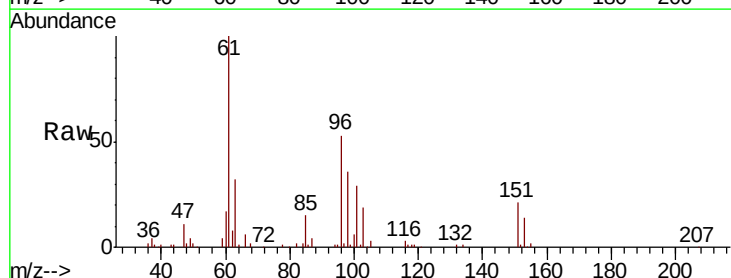
Tot Ion: 59 Resp: 93242
Ion Ratio Lower Upper
59 100
57 10.7 8.4 12.6

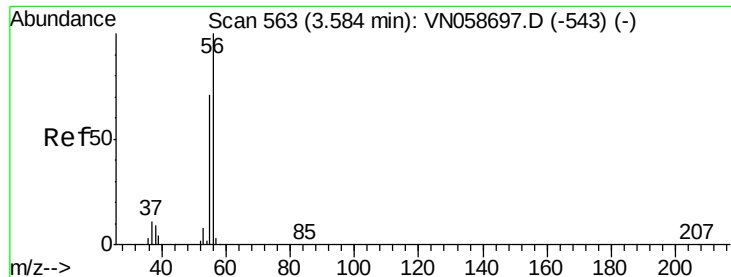


#12

1,1-Dichloroethene
Concen: 20.724 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion: 96 Resp: 73737
Ion Ratio Lower Upper
96 100
61 187.9 151.3 226.9
98 67.4 52.6 78.8





#13

Acrolein

Concen: 66.674 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

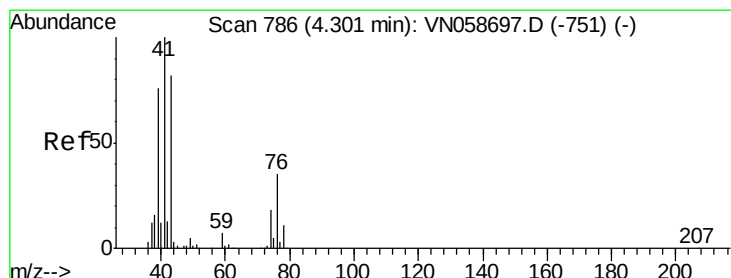
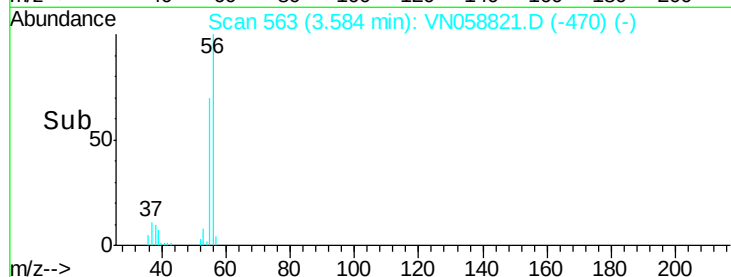
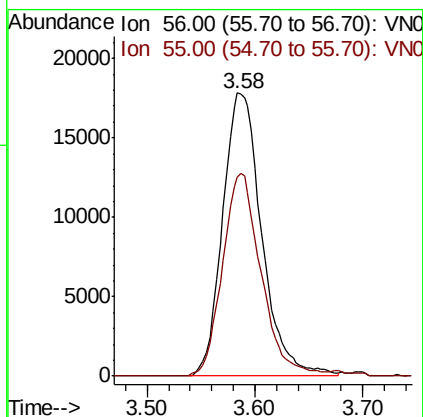
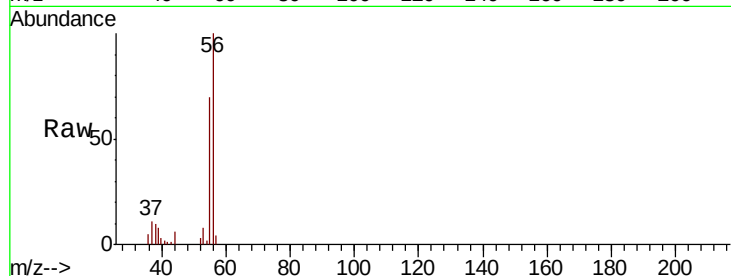
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 45043

Ion Ratio Lower Upper

56 100

55 70.4 56.7 85.1



#14

Allyl chloride

Concen: 21.244 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

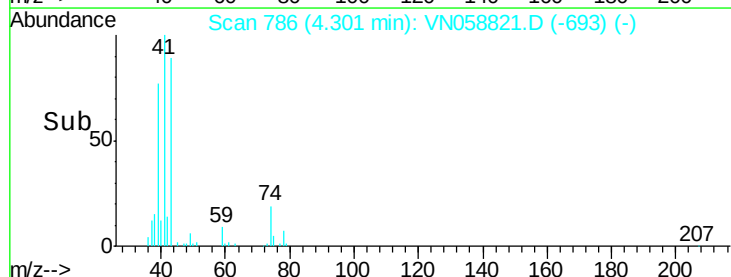
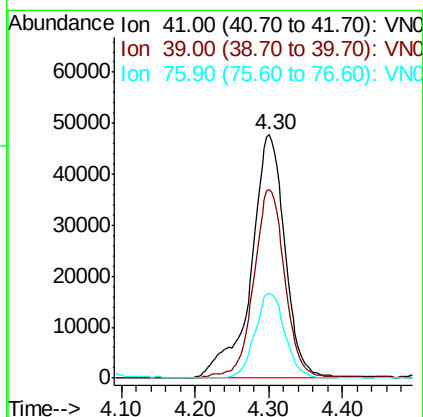
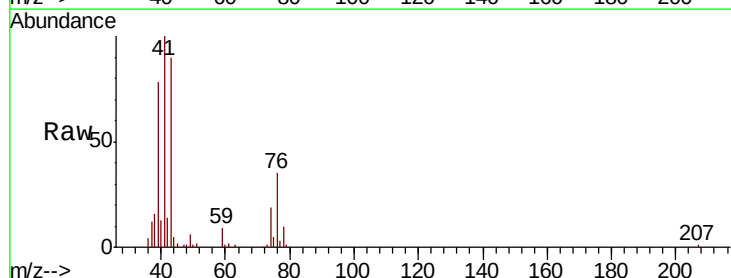
Tgt Ion: 41 Resp: 152535

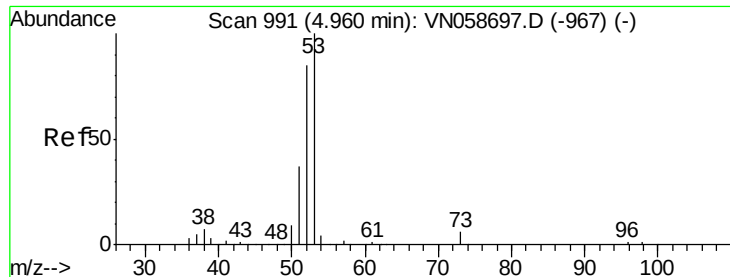
Ion Ratio Lower Upper

41 100

39 71.5 57.2 85.8

76 30.9 25.0 37.6





#15

Acrylonitrile

Concen: 113.667 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

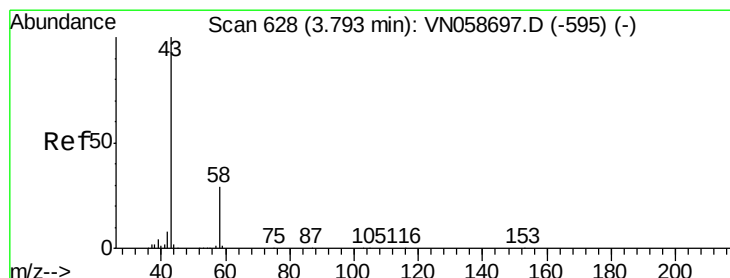
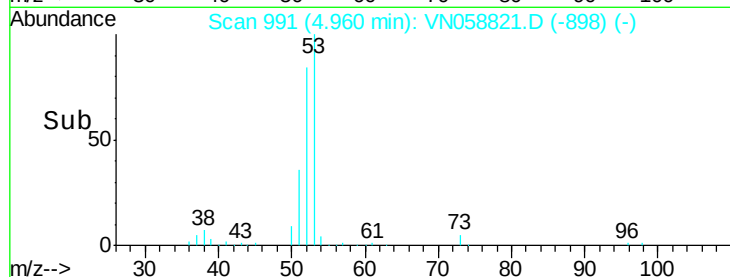
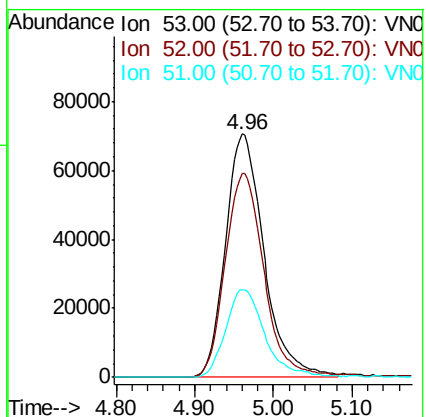
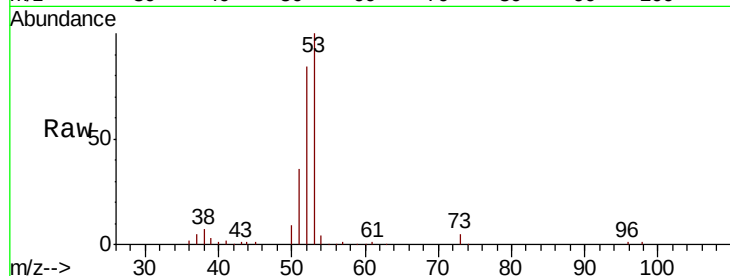
Tot Ion: 53 Resp: 240788

Ion Ratio Lower Upper

53 100

52 84.0 66.2 99.2

51 36.8 29.4 44.2



#16

Acetone

Concen: 117.741 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058821.D

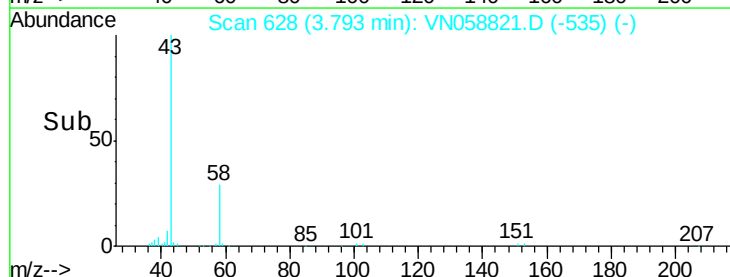
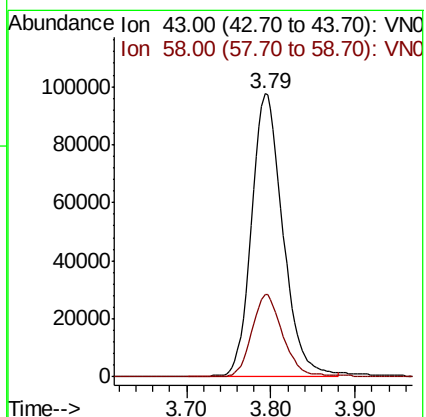
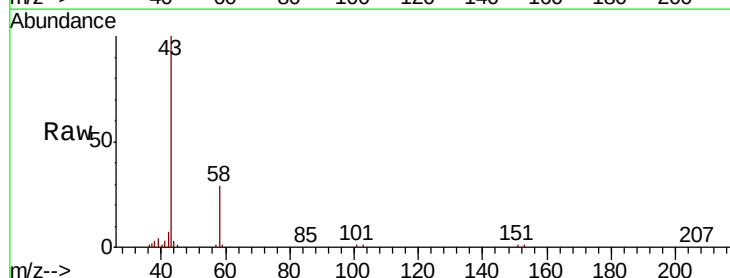
Acq: 17 Oct 2019 12:56

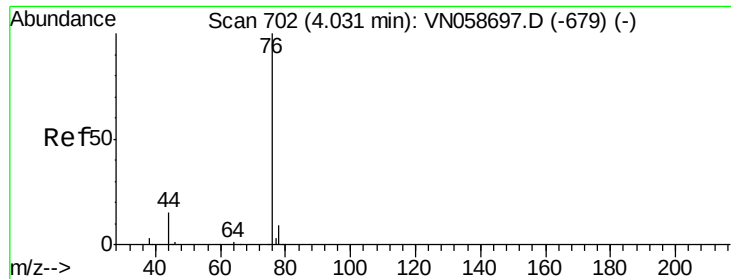
Tgt Ion: 43 Resp: 252823

Ion Ratio Lower Upper

43 100

58 29.1 23.3 34.9

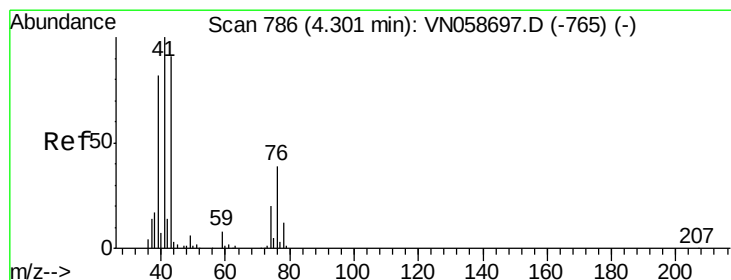
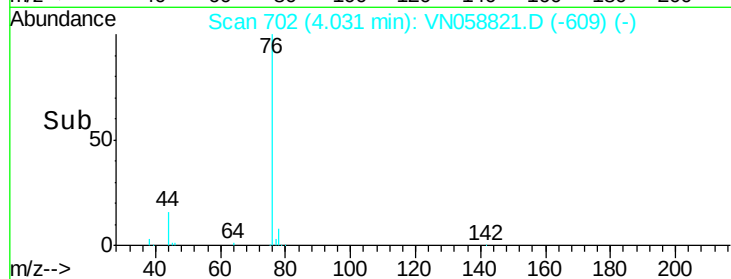
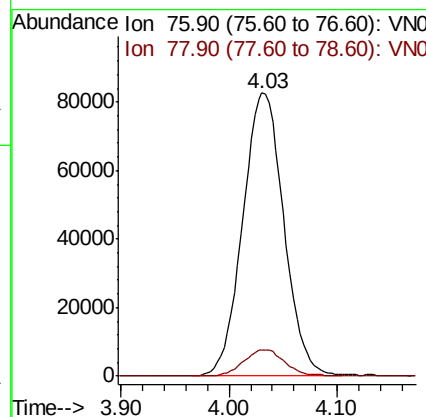
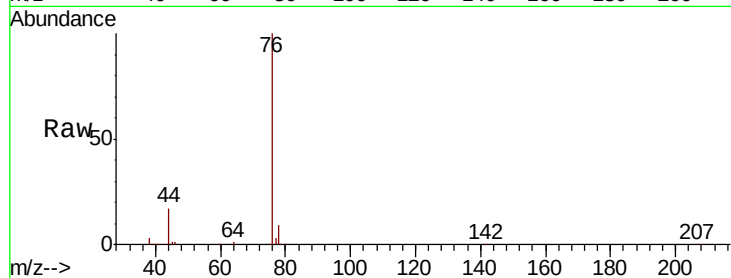




#17
Carbon Disulfide
Concen: 19.196 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

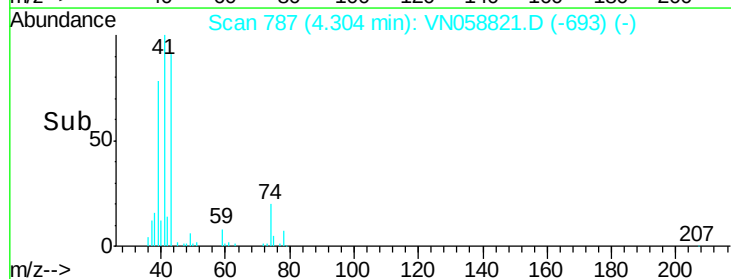
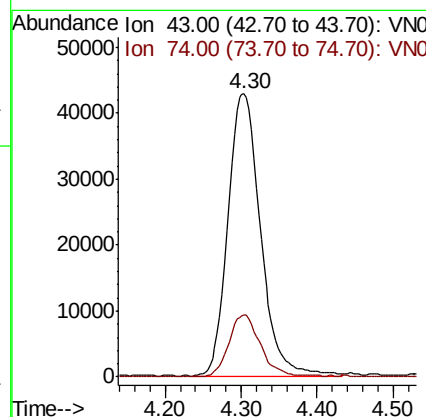
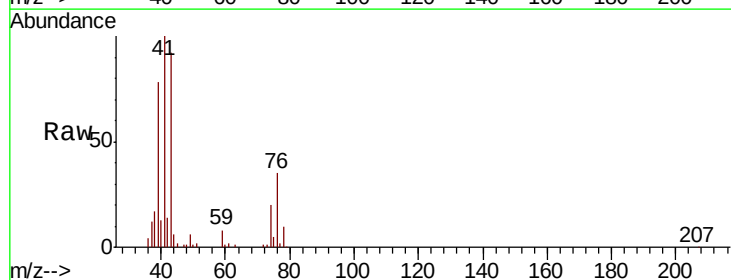
Instrument :
MSVOA_N
ClientSampled :

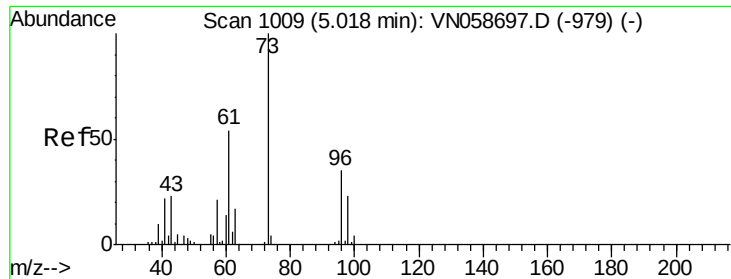
Tot Ion: 76 Resp: 218323
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 23.489 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion: 43 Resp: 127938
Ion Ratio Lower Upper
43 100
74 21.4 17.2 25.8

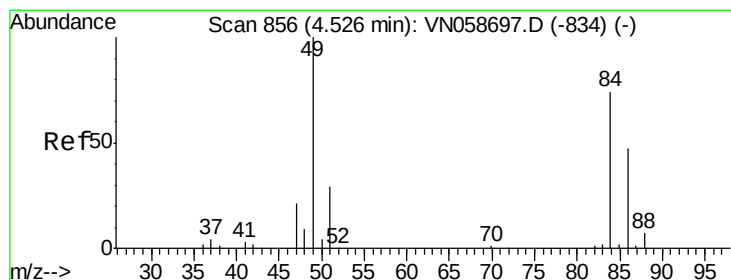
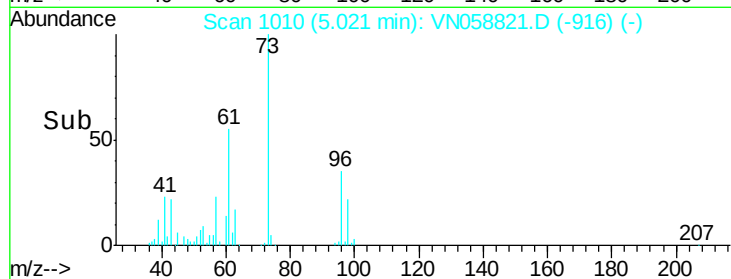
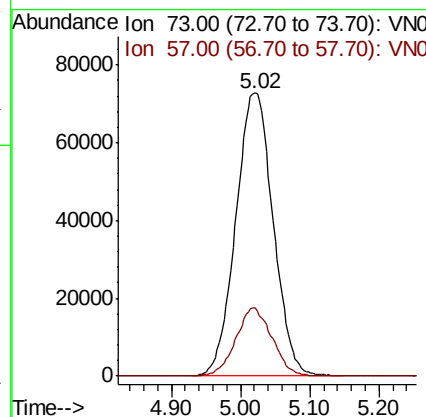
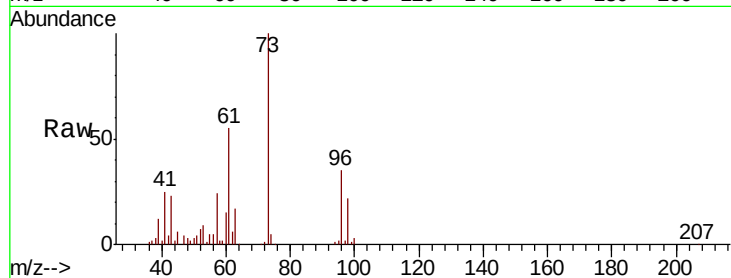




#19
Methyl tert-butyl Ether
Concen: 21.539 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

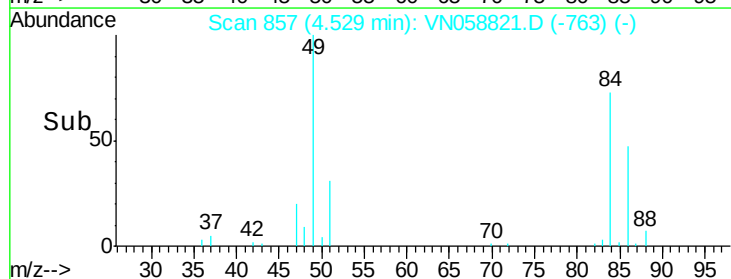
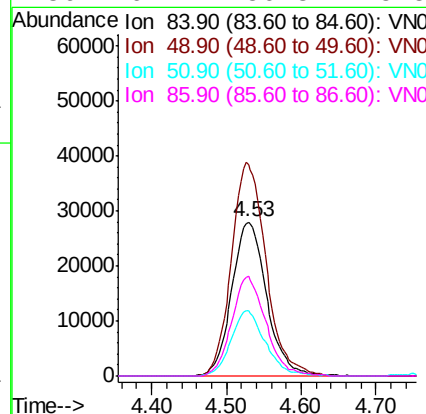
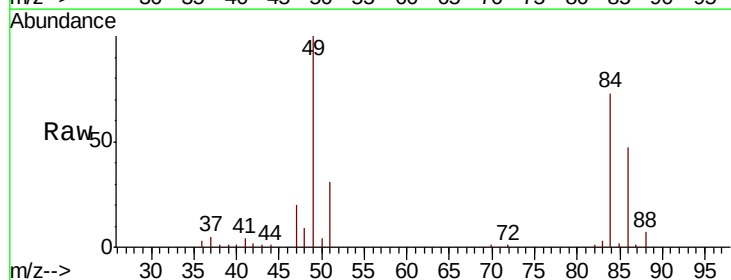
Instrument :
MSVOA_N
ClientSampleId :

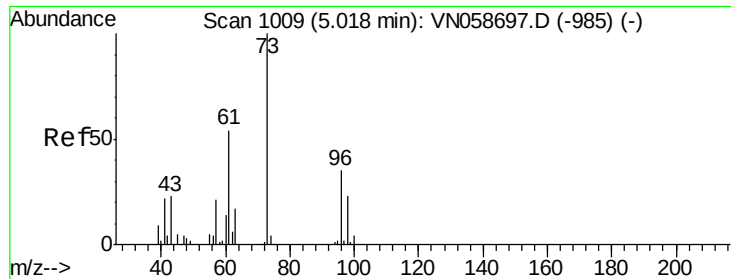
Tot Ion: 73 Resp: 273656
Ion Ratio Lower Upper
73 100
57 24.0 17.0 25.6



#20
Methylene Chloride
Concen: 20.218 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion: 84 Resp: 90733
Ion Ratio Lower Upper
84 100
49 137.0 107.6 161.4
51 42.0 31.4 47.0
86 64.4 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.494 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

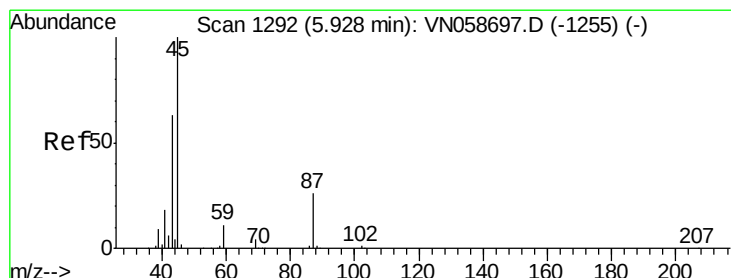
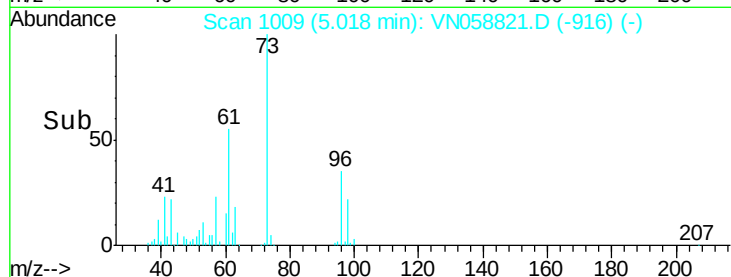
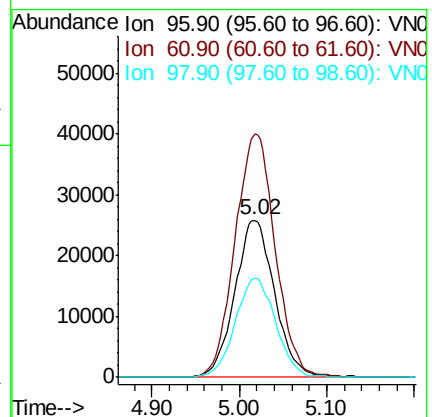
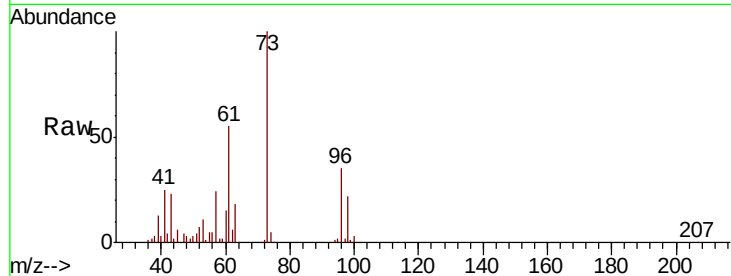
Tot Ion: 96 Resp: 81563

Ion Ratio Lower Upper

96 100

61 155.2 123.6 185.4

98 63.4 52.1 78.1



#22

Diisopropyl ether

Concen: 22.022 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion: 45 Resp: 307439

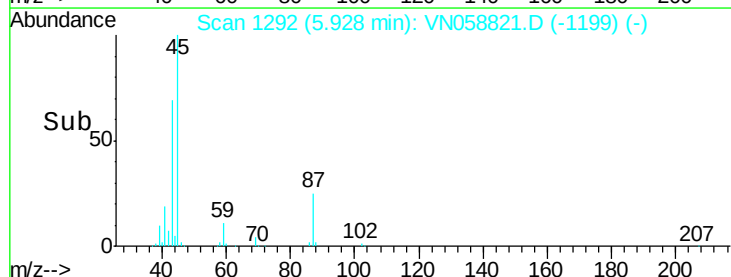
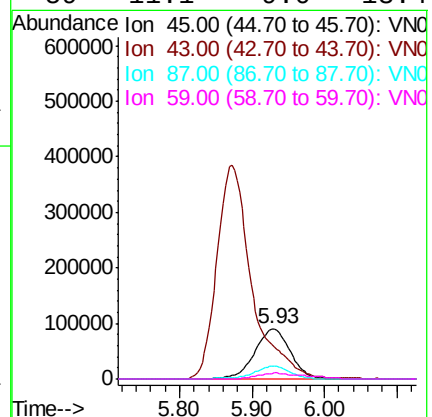
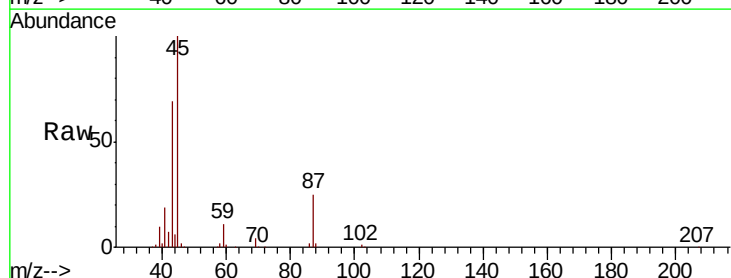
Ion Ratio Lower Upper

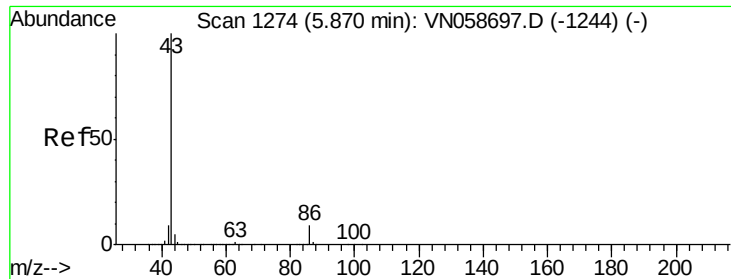
45 100

43 67.1 50.6 75.8

87 24.8 21.1 31.7

59 11.1 9.0 13.4





#23

Vinyl Acetate

Concen: 114.974 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

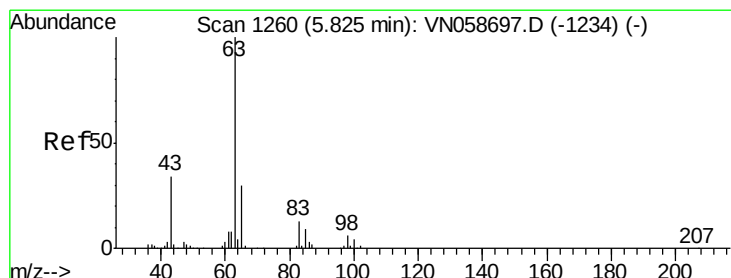
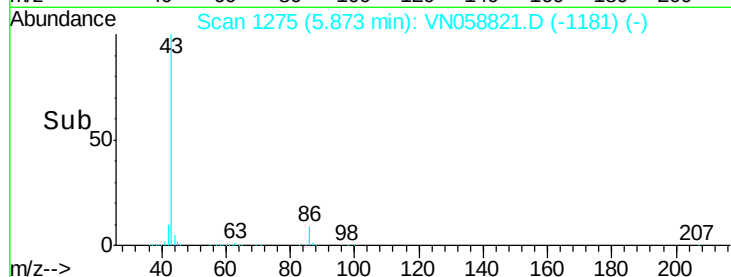
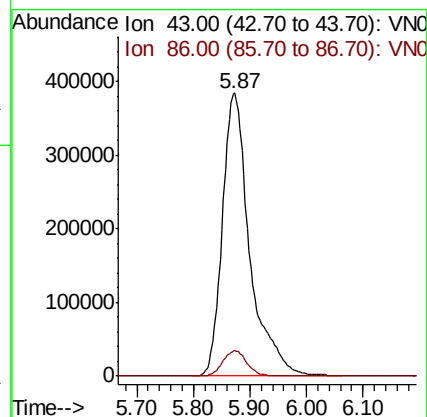
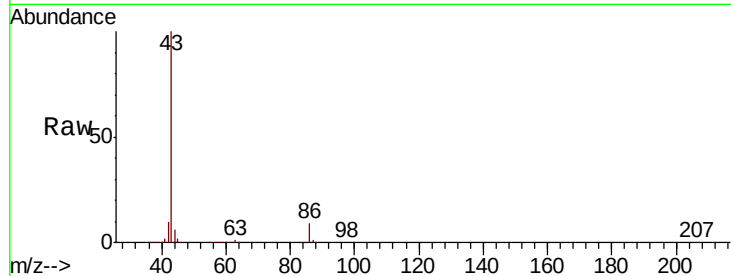
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1295183

Ion Ratio Lower Upper

43 100

86 9.0 7.4 11.0



#24

1,1-Dichloroethane

Concen: 21.528 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

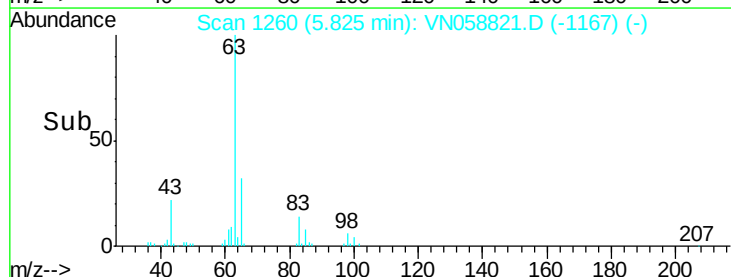
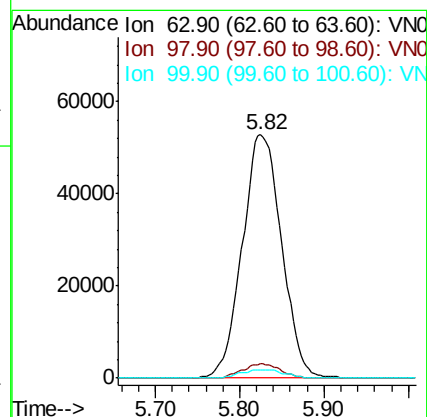
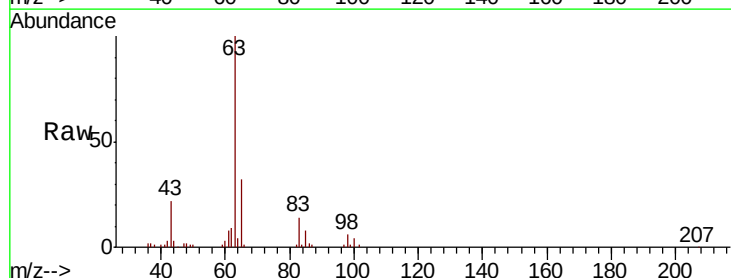
Tgt Ion: 63 Resp: 171176

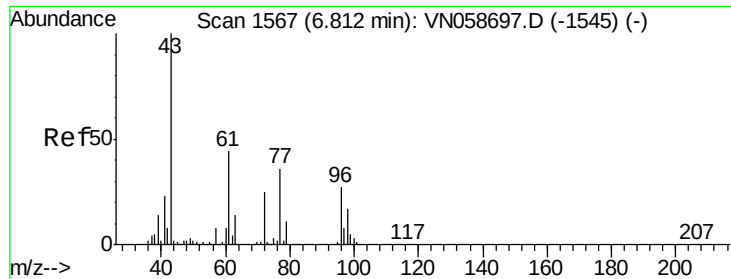
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.6 1.8 5.5

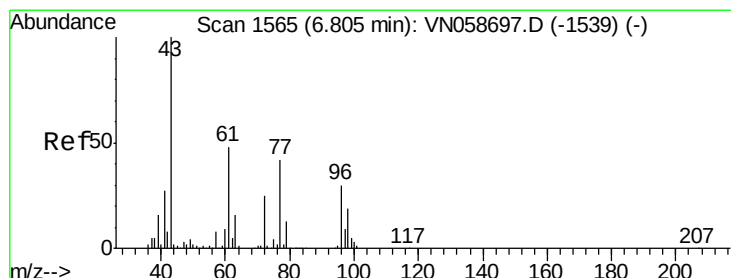
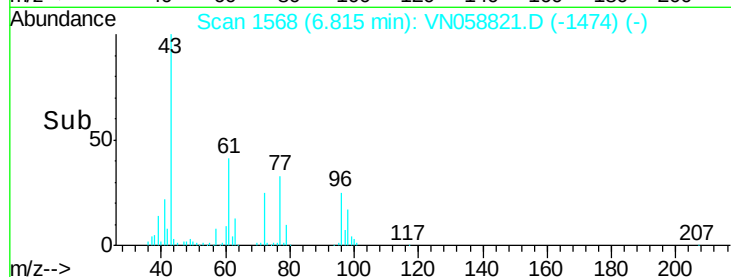
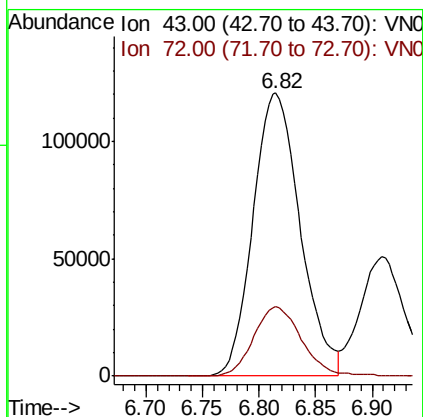
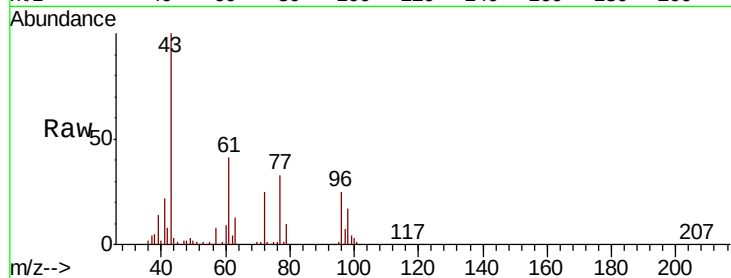




#25
2-Butanone
Concen: 112.043 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

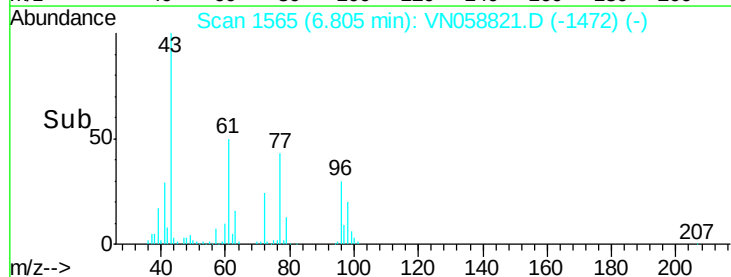
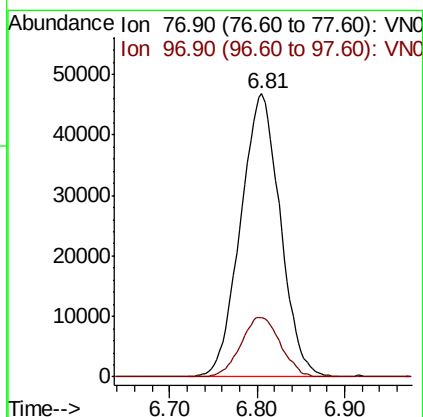
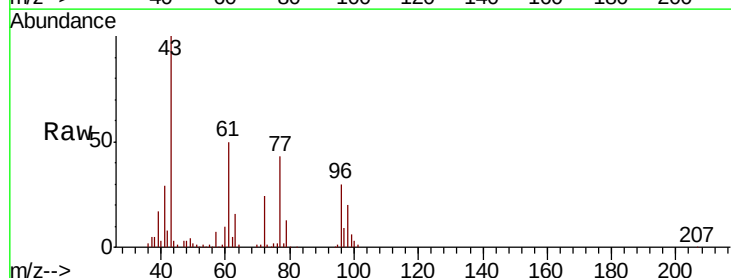
Instrument :
MSVOA_N
ClientSampled :

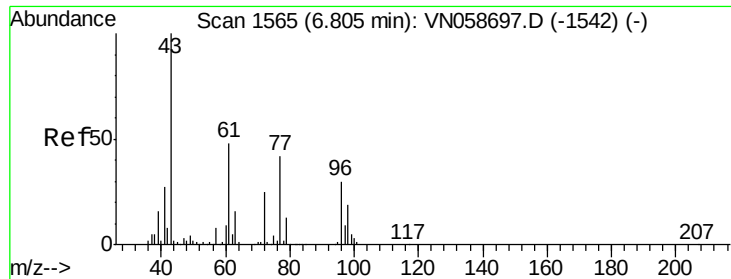
Tot Ion: 43 Resp: 347746
Ion Ratio Lower Upper
43 100
72 24.7 20.2 30.2



#26
2,2-Dichloropropane
Concen: 20.270 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion: 77 Resp: 147122
Ion Ratio Lower Upper
77 100
97 21.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.374 ug/l

RT: 6.81 min Scan# 1566

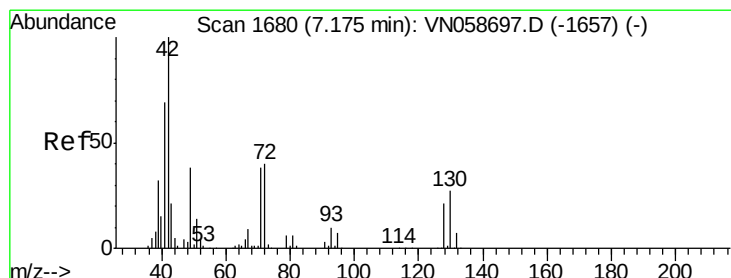
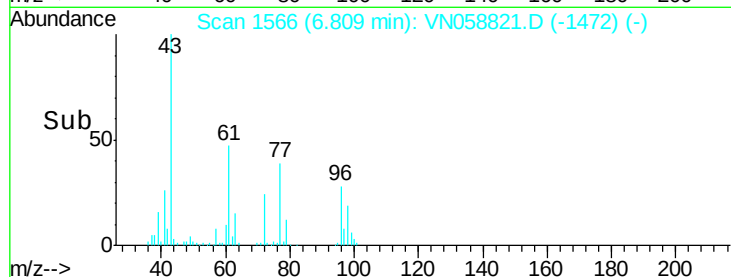
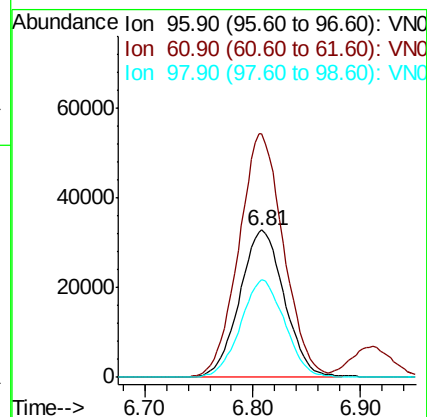
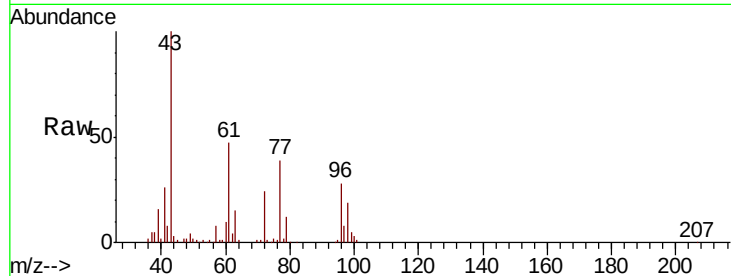
Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	96	Resp:	94555
Ion	Ratio	Lower	Upper
96	100		
61	165.7	0.0	324.8
98	65.4	0.0	129.2



#28

Bromochloromethane

Concen: 20.881 ug/l

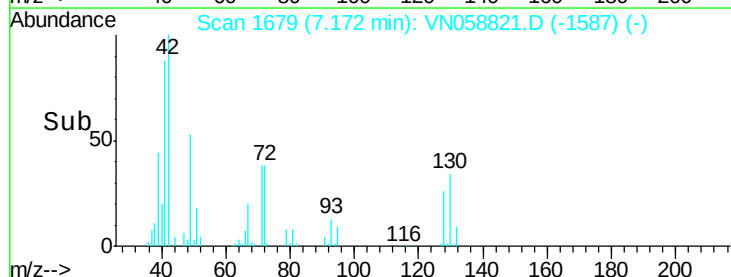
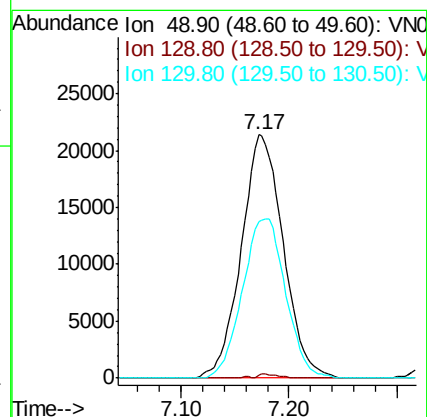
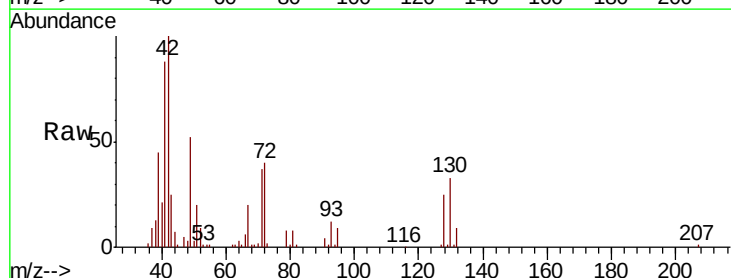
RT: 7.17 min Scan# 1679

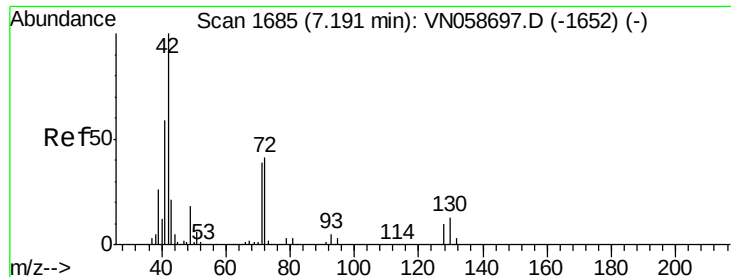
Delta R.T. -0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion:	49	Resp:	57760
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.6
130	67.2	55.0	82.4

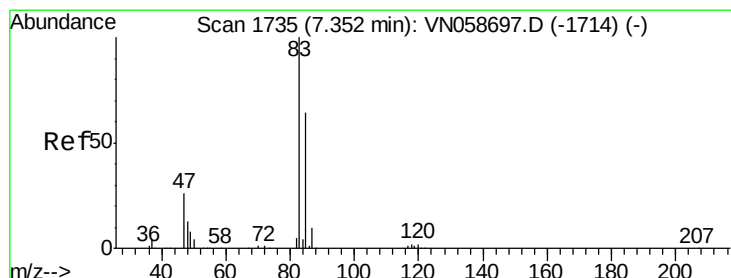
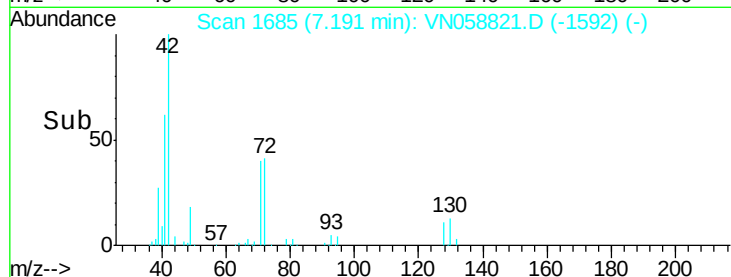
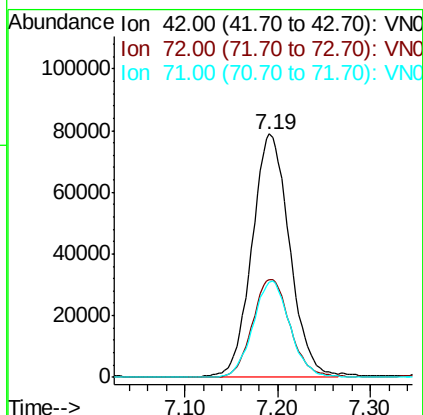
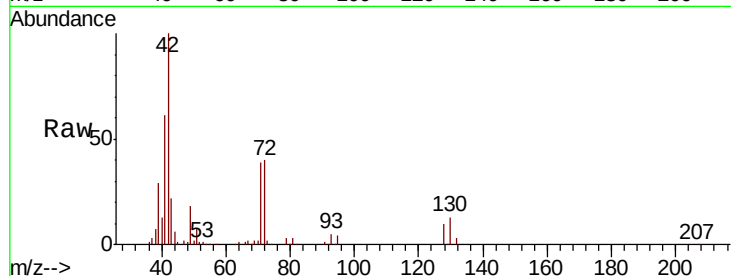




#29
Tetrahydrofuran
Concen: 111.261 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

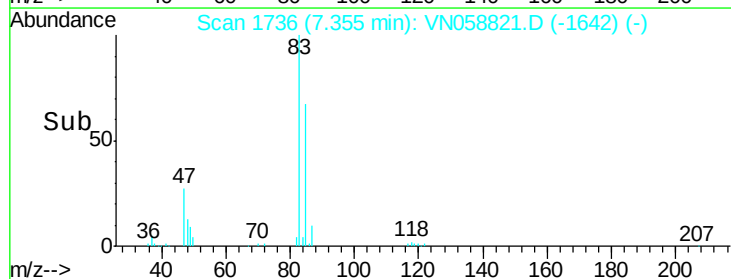
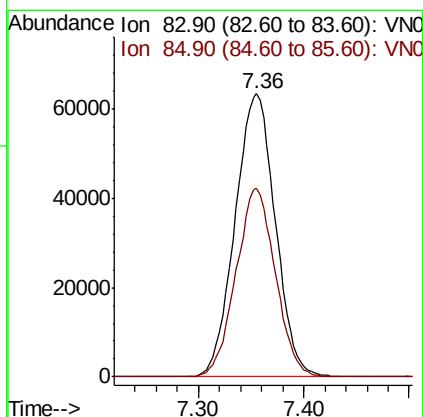
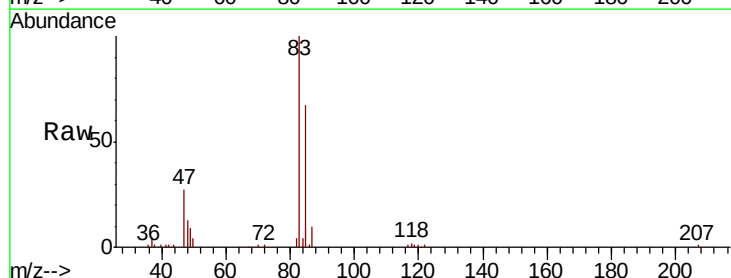
Instrument :
MSVOA_N
ClientSampled :

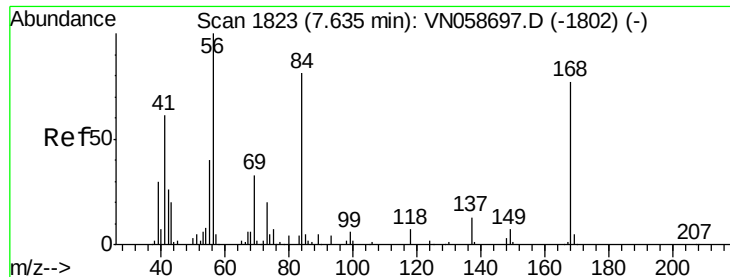
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.8	49.2
71	38.7	31.1	46.7



#30
Chloroform
Concen: 21.027 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.0	76.6

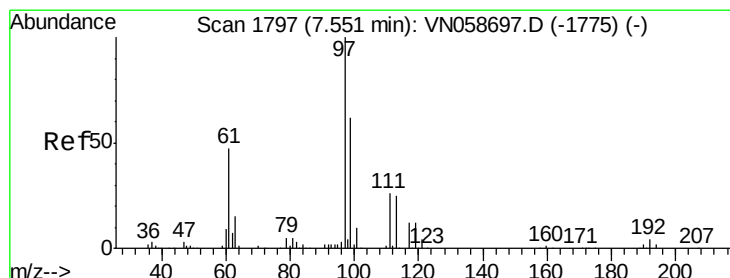
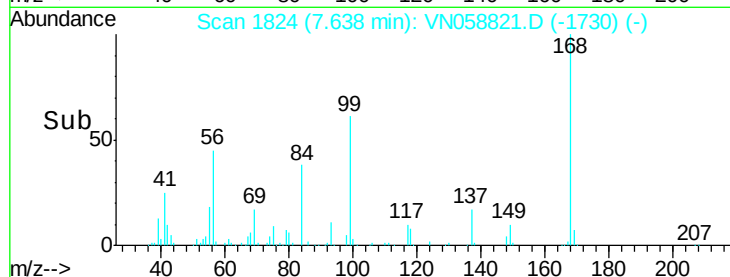
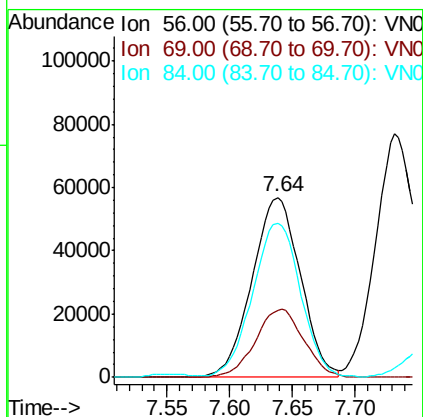
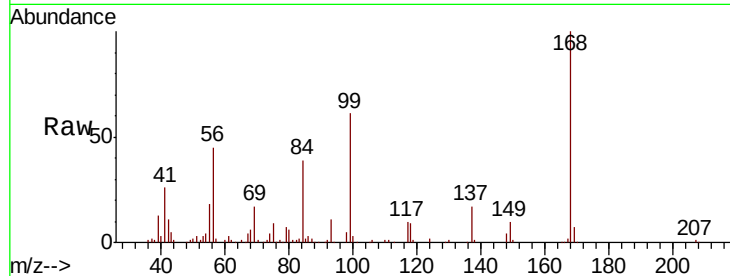




#31
Cyclohexane
Concen: 20.046 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

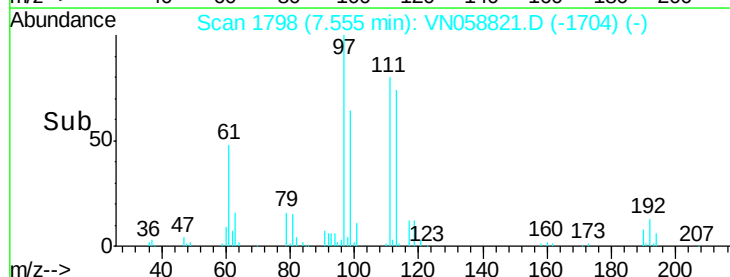
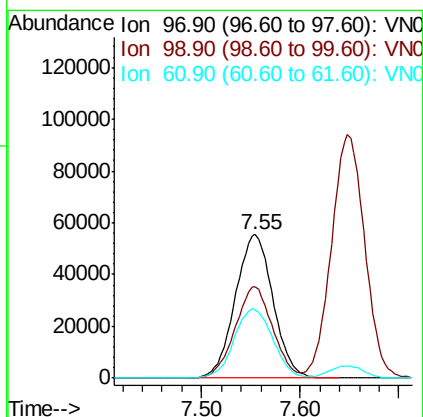
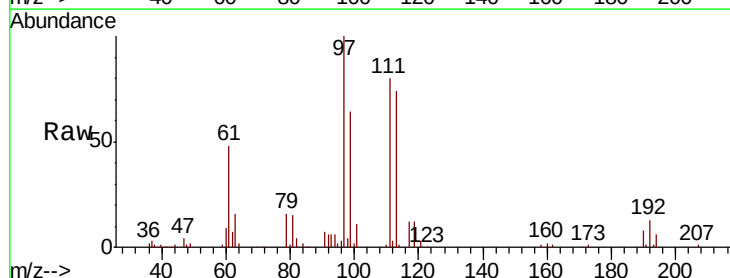
Instrument :
MSVOA_N
ClientSampled :

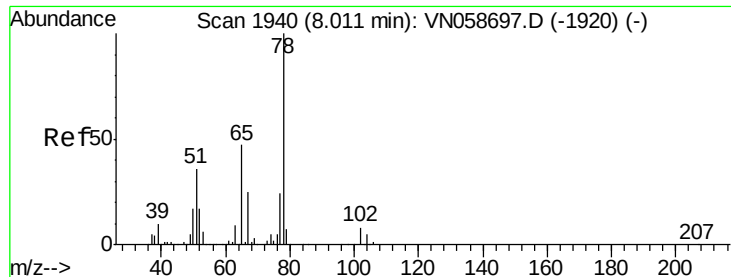
Tot Ion: 56 Resp: 152504
Ion Ratio Lower Upper
56 100
69 37.0 26.2 39.4
84 84.9 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 21.618 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion: 97 Resp: 147283
Ion Ratio Lower Upper
97 100
99 63.1 50.8 76.2
61 49.4 38.1 57.1

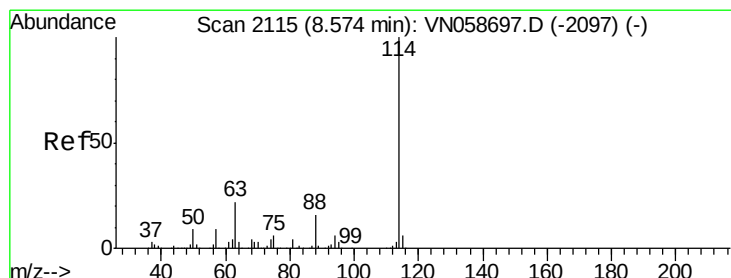
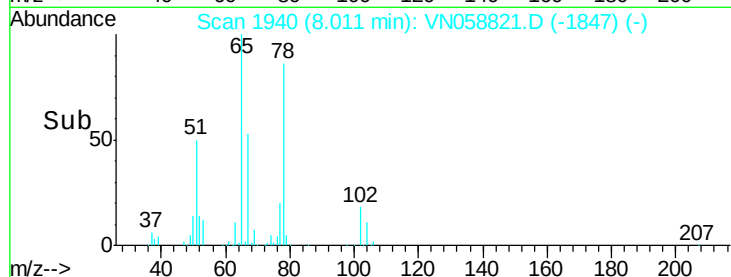
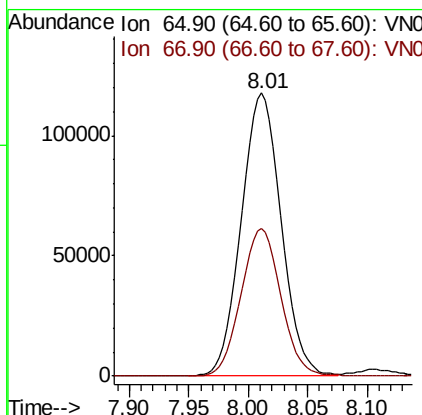
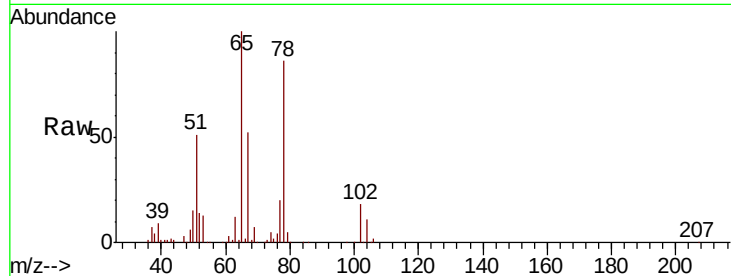




#33
 1,2-Dichloroethane-d4
 Concen: 52.819 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

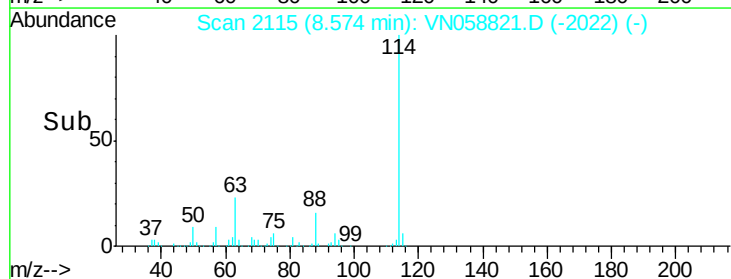
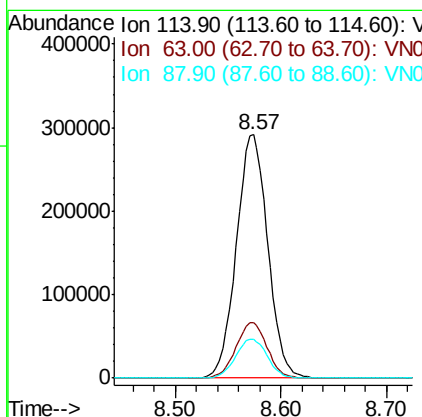
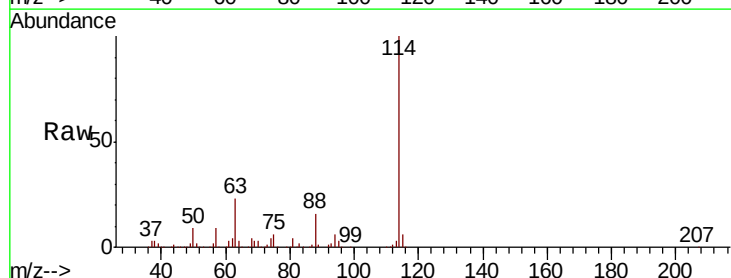
Instrument :
 MSVOA_N
 ClientSampled :

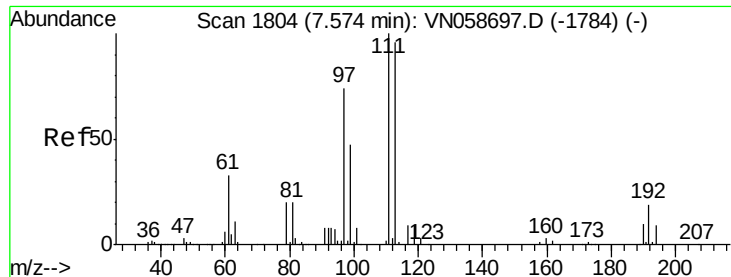
Tot Ion: 65 Resp: 273959
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion: 114 Resp: 600699
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.8
 88 15.7 0.0 32.0

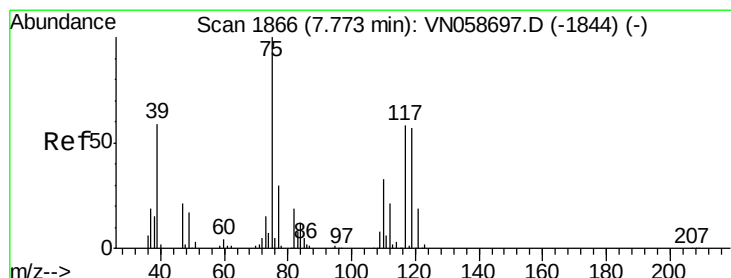
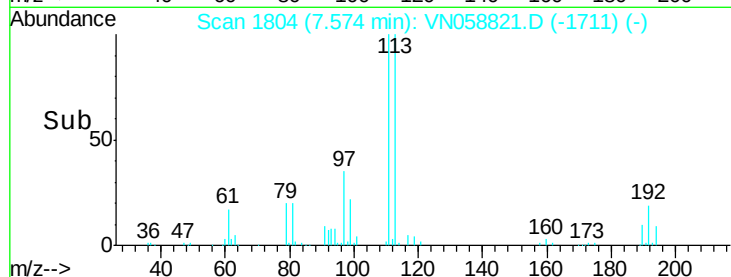
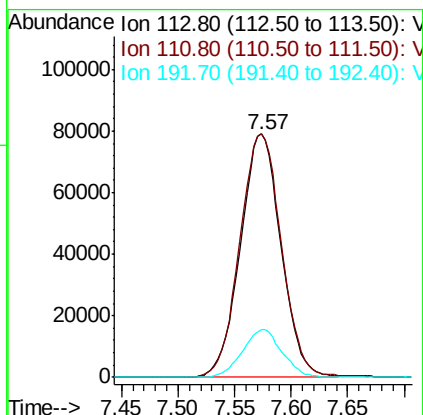
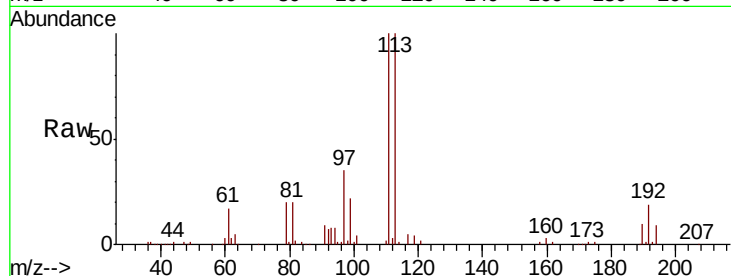




#35
Dibromofluoromethane
Concen: 53.019 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

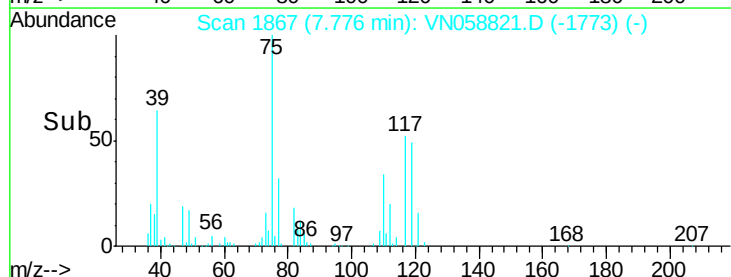
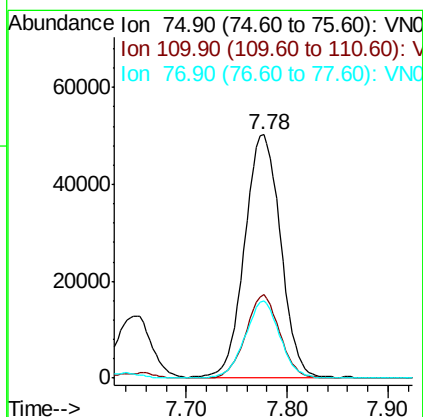
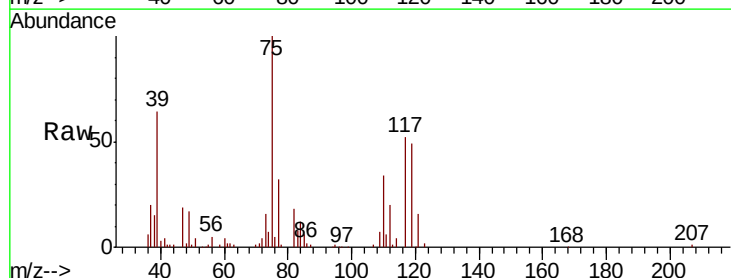
Instrument :
MSVOA_N
ClientSampleId :

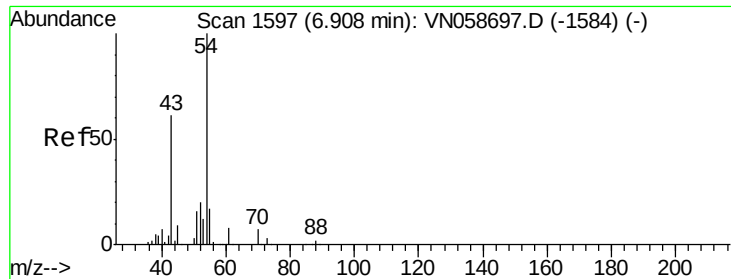
Tot Ion:113 Resp: 196721
Ion Ratio Lower Upper
113 100
111 102.7 82.3 123.5
192 19.1 15.0 22.6



#36
1,1-Dichloropropene
Concen: 20.327 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion: 75 Resp: 123458
Ion Ratio Lower Upper
75 100
110 32.4 16.6 49.8
77 30.8 24.6 37.0





#37

Ethyl Acetate

Concen: 22.768 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

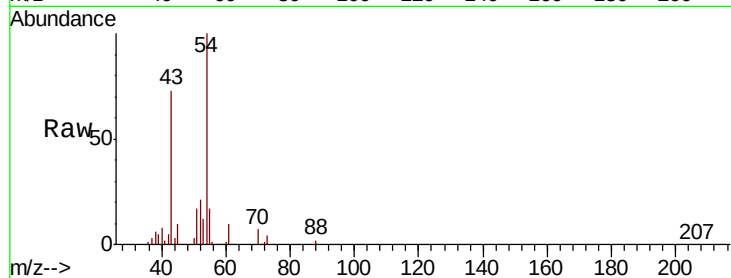
Tot Ion: 43 Resp: 139848

Ion Ratio Lower Upper

43 100

61 13.2 11.3 16.9

70 9.6 7.2 10.8

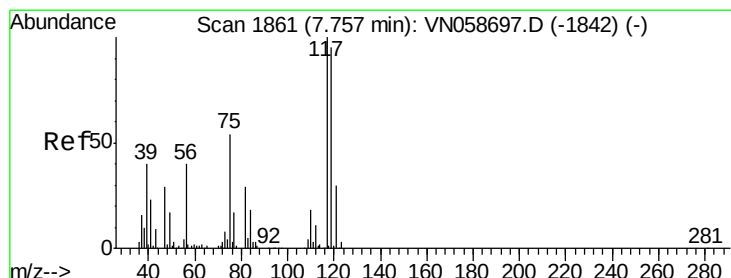
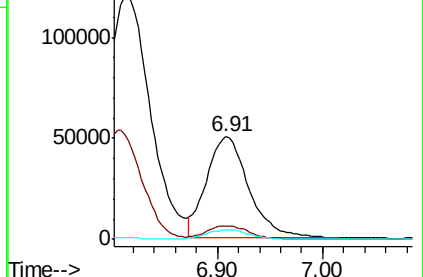
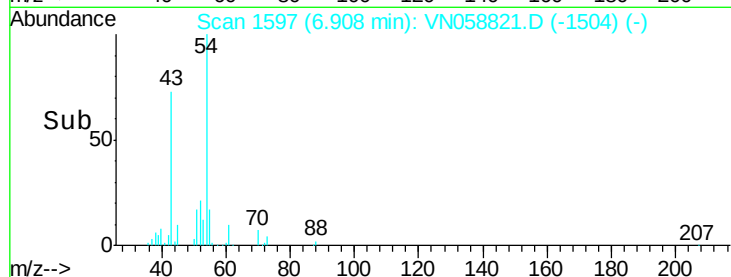


Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1584) (-)

Ion 60.90 (60.60 to 61.60): VN058697.D (-1584) (-)

Ion 70.00 (69.70 to 70.70): VN058697.D (-1584) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 21.541 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

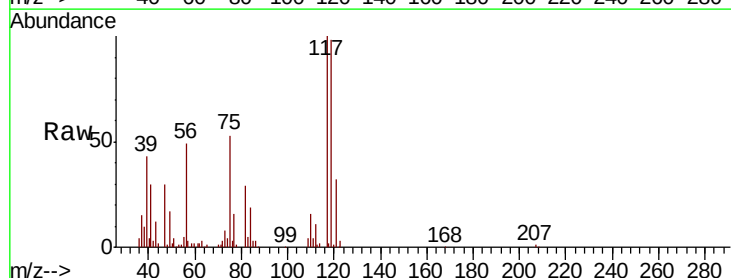
Tgt Ion: 117 Resp: 127507

Ion Ratio Lower Upper

117 100

119 97.7 75.7 113.5

121 31.7 23.9 35.9

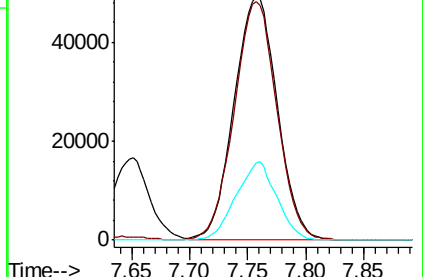
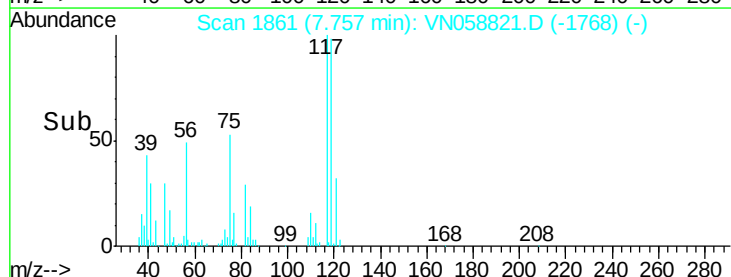


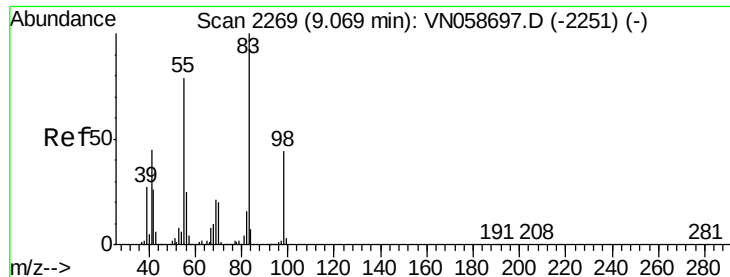
Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-1842) (-)

Ion 118.80 (118.50 to 119.50): VN058697.D (-1842) (-)

Ion 120.80 (120.50 to 121.50): VN058697.D (-1842) (-)

Time-->

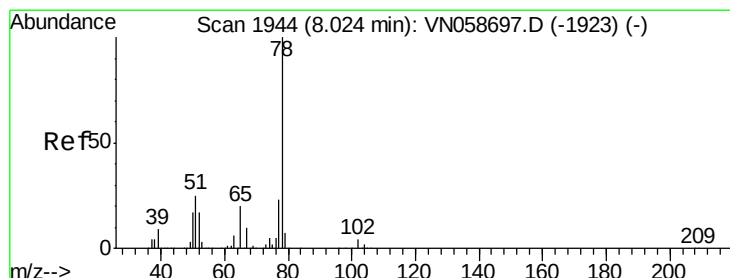
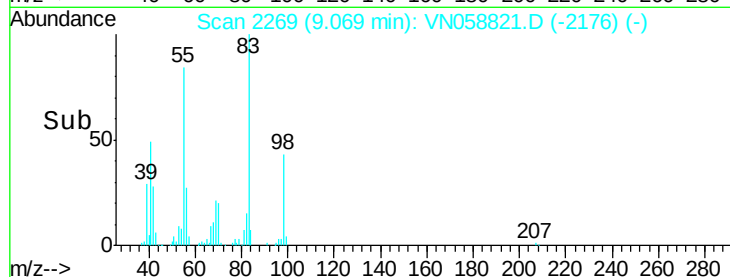
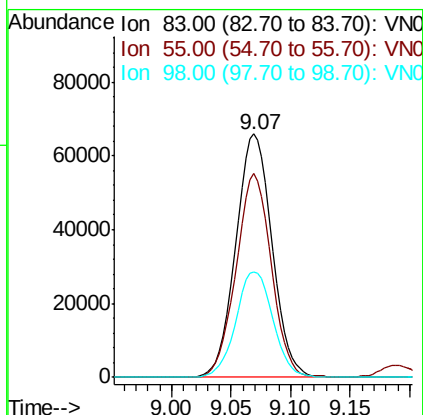
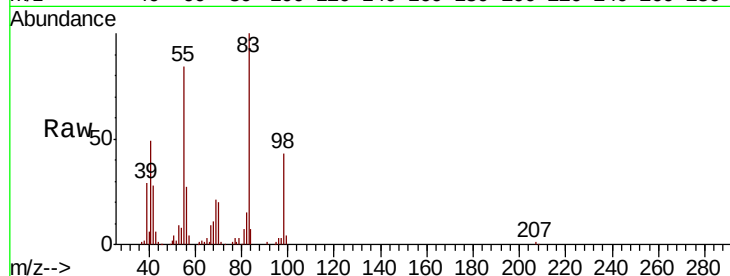




#39
Methylvlcyclohexane
Concen: 19.739 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

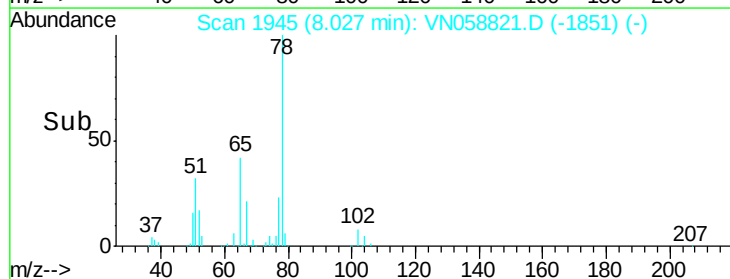
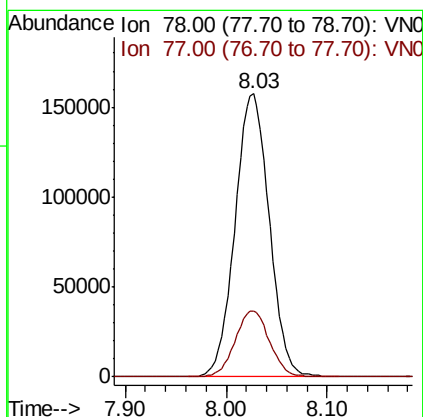
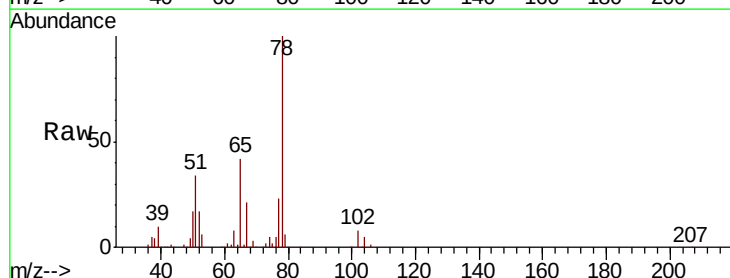
Instrument :
MSVOA_N
ClientSampled :

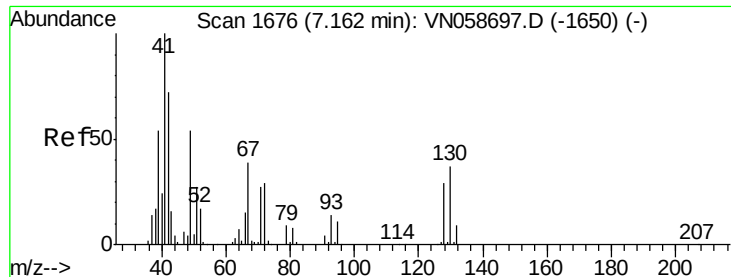
Tot Ion: 83 Resp: 139113
Ion Ratio Lower Upper
83 100
55 83.5 63.4 95.0
98 43.4 35.1 52.7



#40
Benzene
Concen: 21.231 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion: 78 Resp: 370334
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

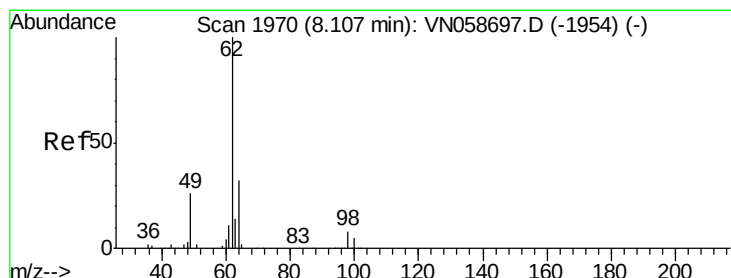
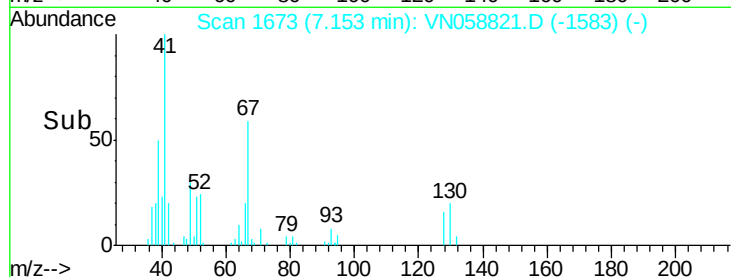
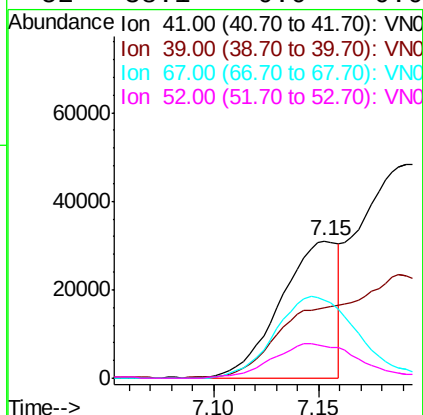
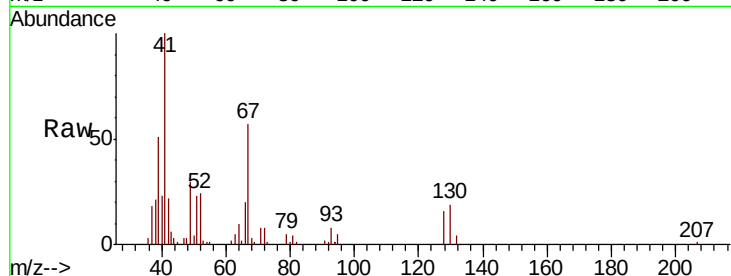




#41
Methacrylonitrile
Concen: 20.569 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

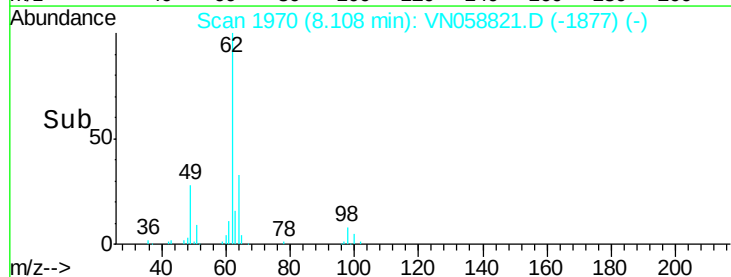
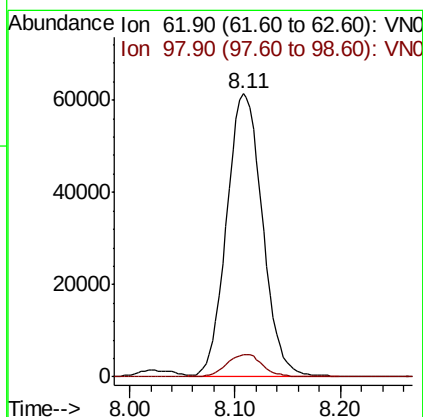
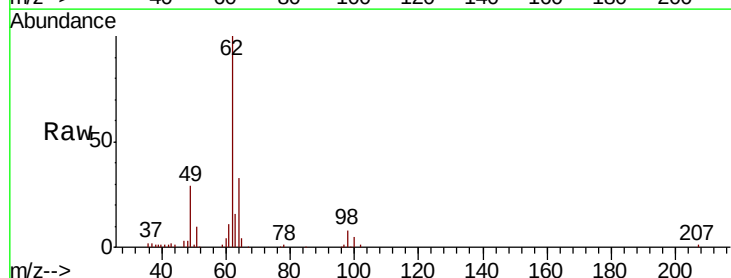
Instrument :
MSVOA_N
ClientSampled :

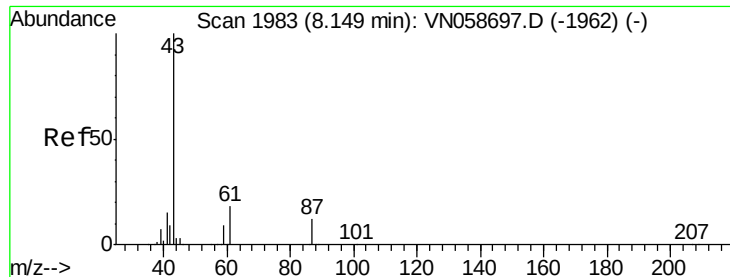
Tot Ion: 41 Resp: 59141
Ion Ratio Lower Upper
41 100
39 0.0 115.4 173.2#
67 86.7 0.0 0.0#
52 38.1 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 21.619 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion: 62 Resp: 144879
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.8





#43

Isopropyl Acetate

Concen: 21.688 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

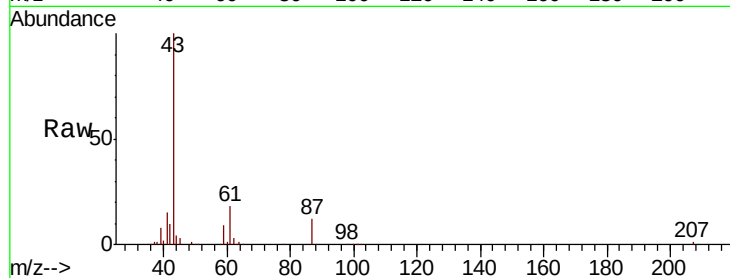
Tot Ion: 43 Resp: 226941

Ion Ratio Lower Upper

43 100

61 24.1 20.3 30.5

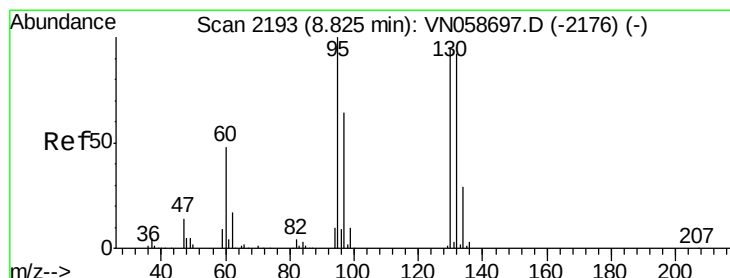
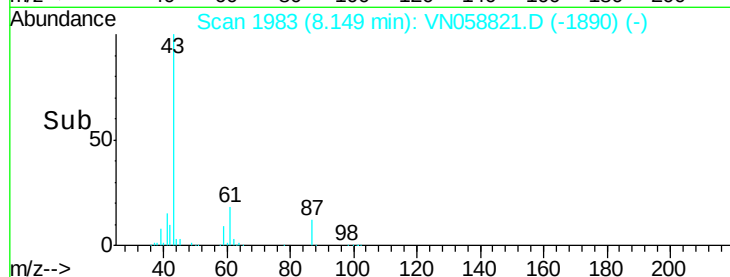
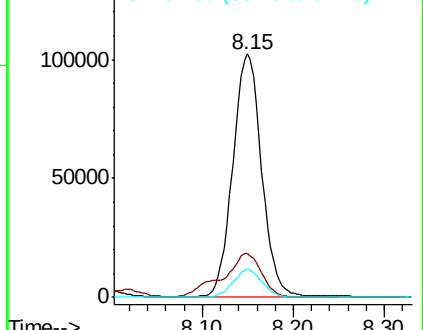
87 11.6 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058821.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058821.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058821.D (-1890) (-)



#44

Trichloroethene

Concen: 20.708 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058821.D

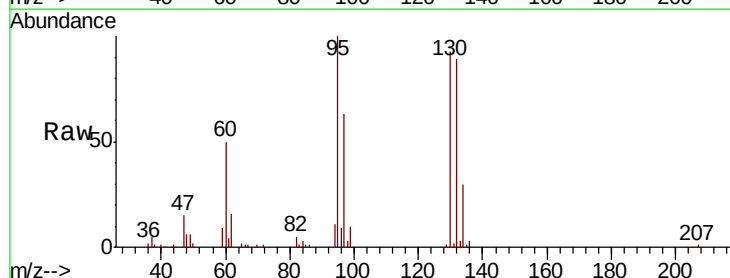
Acq: 17 Oct 2019 12:56

Tgt Ion:130 Resp: 89700

Ion Ratio Lower Upper

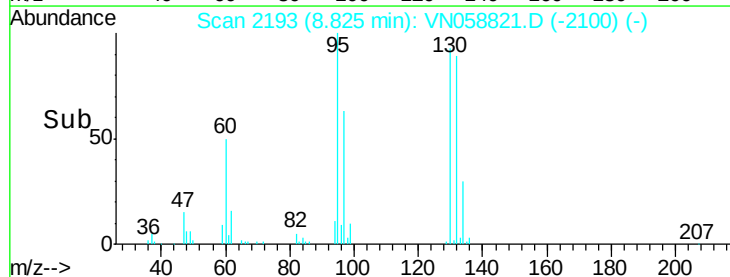
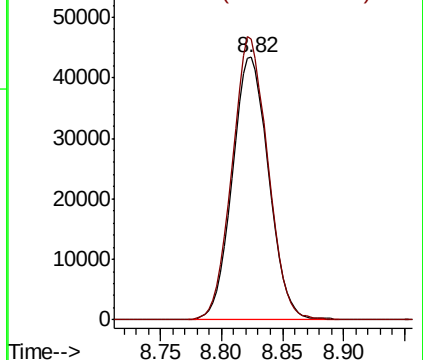
130 100

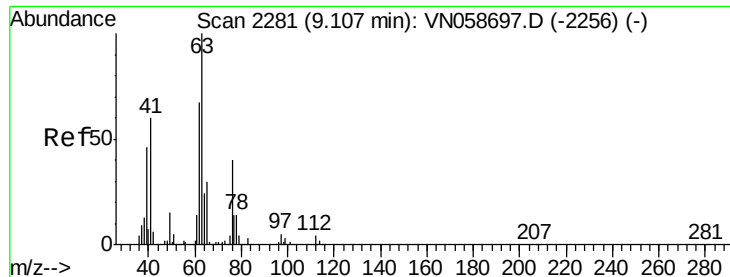
95 107.3 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058821.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058821.D (-2100) (-)

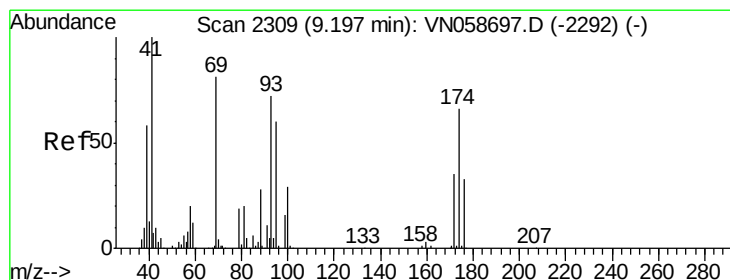
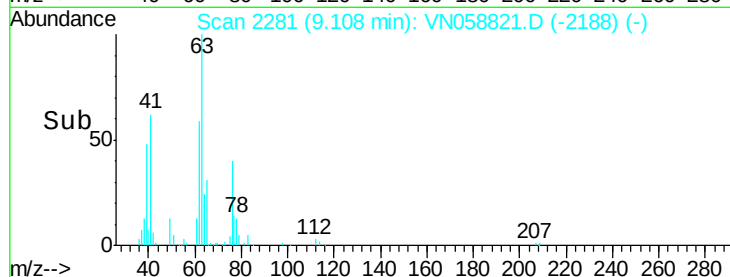
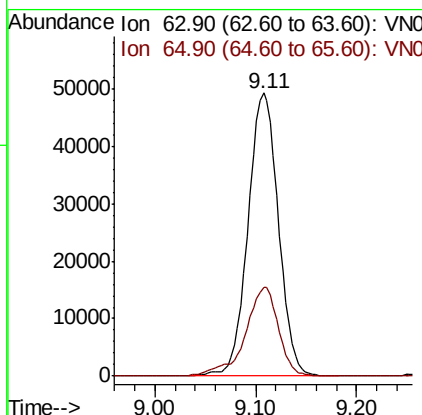
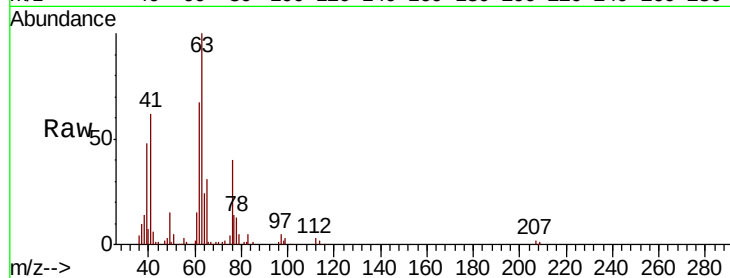




#45
 1,2-Dichloropropane
 Concen: 21.983 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

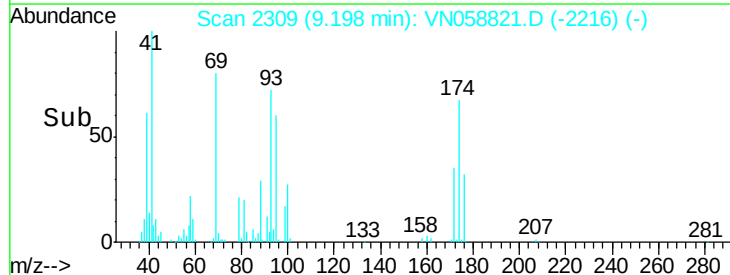
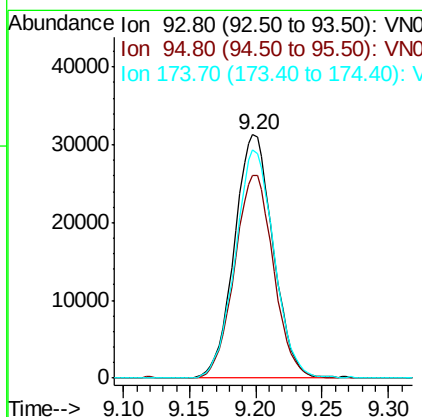
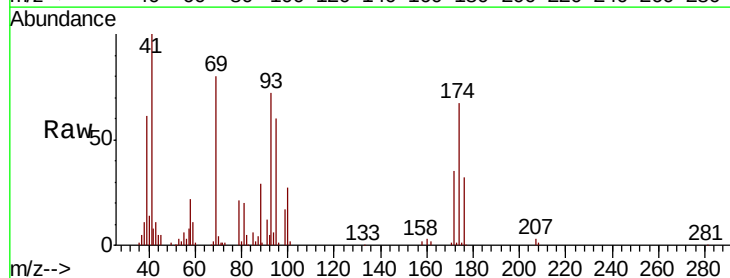
Instrument :
 MSVOA_N
 ClientSampled :

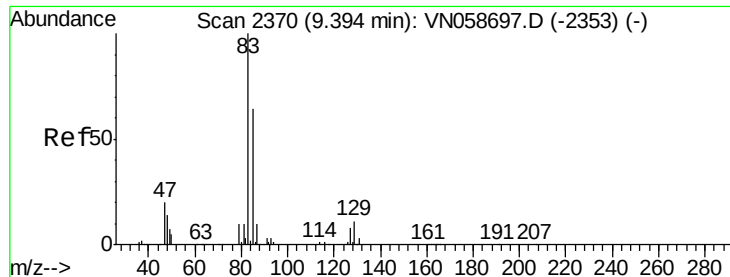
Tot Ion: 63 Resp: 102650
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.1 36.1



#46
 Dibromomethane
 Concen: 21.431 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion: 93 Resp: 63448
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.6 100.0
 174 94.0 75.2 112.8





#47

Bromodichloromethane

Concen: 21.896 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampled :

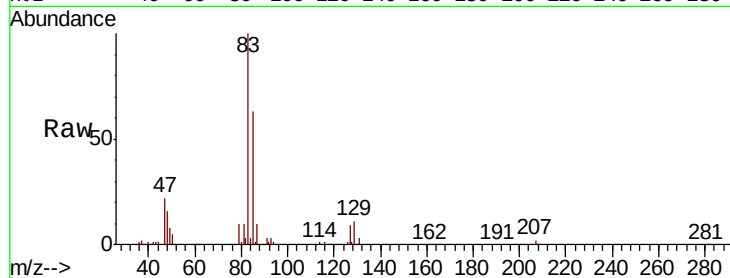
Tot Ion: 83 Resp: 132001

Ion Ratio Lower Upper

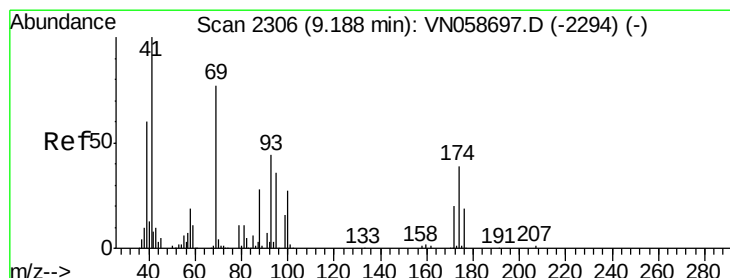
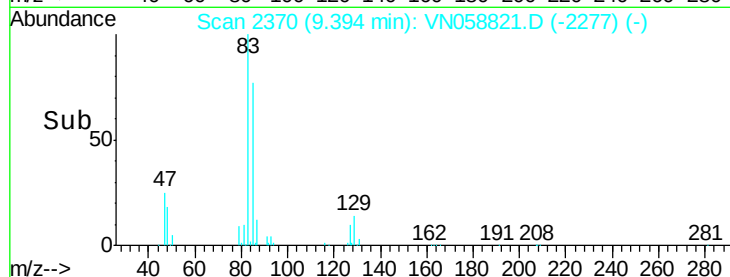
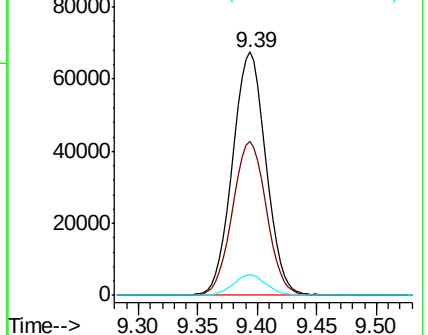
83 100

85 63.1 50.9 76.3

127 8.6 6.3 9.5



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



#48

Methyl methacrylate

Concen: 21.520 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

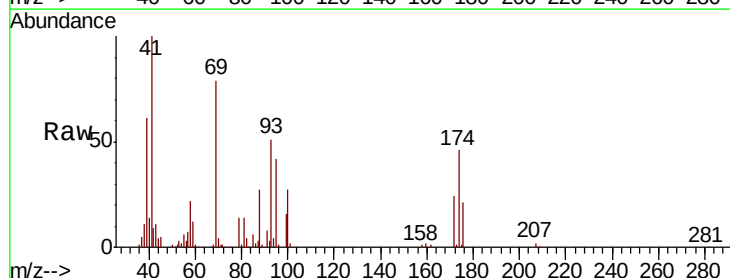
Tgt Ion: 41 Resp: 102073

Ion Ratio Lower Upper

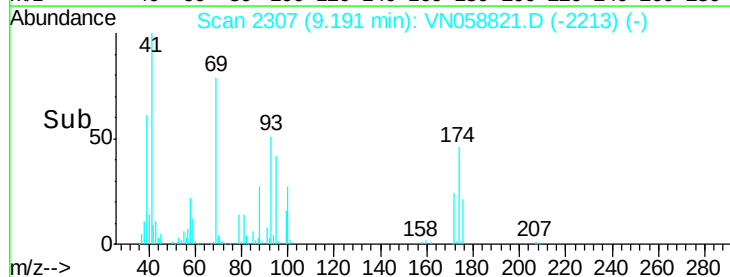
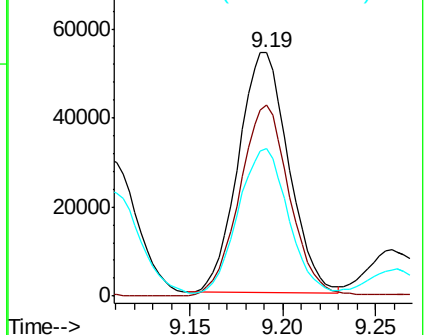
41 100

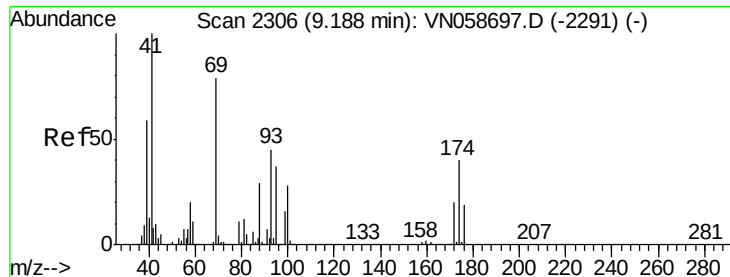
69 79.5 63.4 95.2

39 61.3 48.9 73.3



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

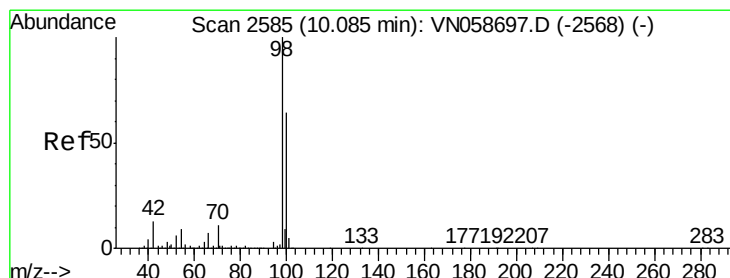
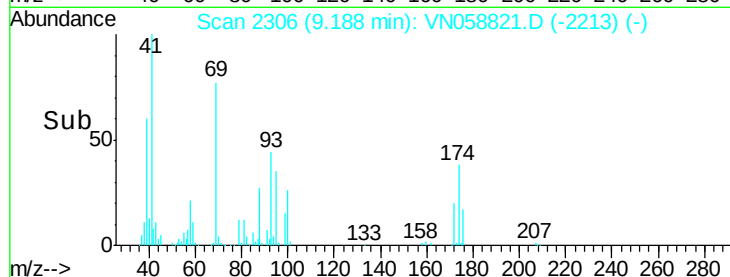
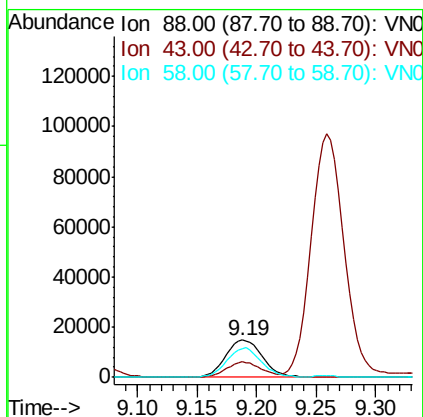
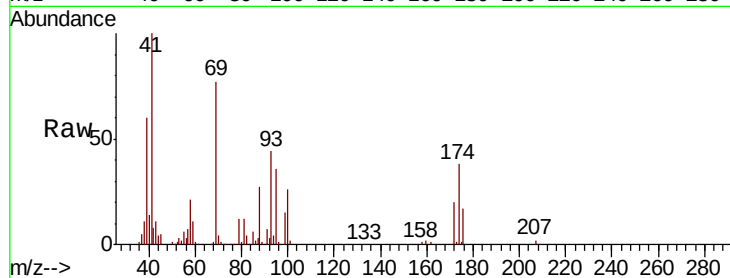




#49
1,4-Dioxane
Concen: 441.493 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

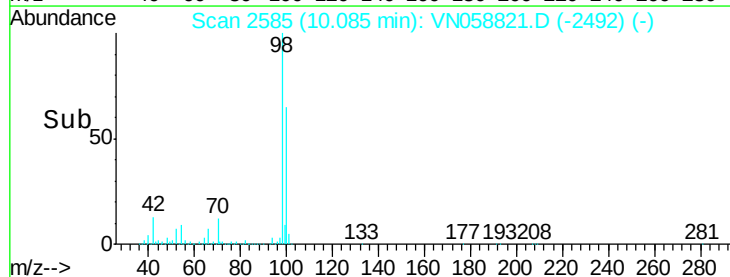
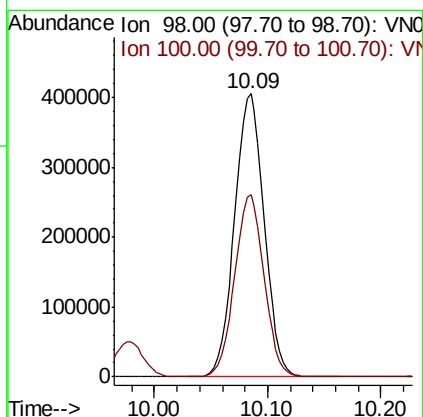
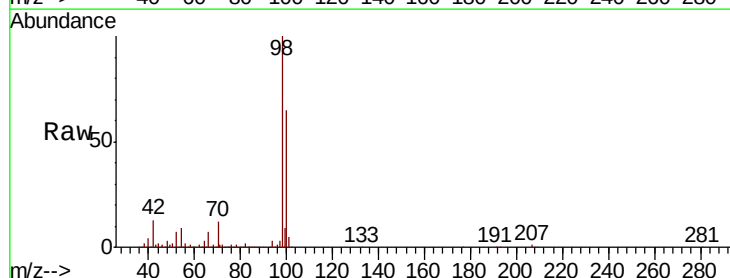
Instrument :
MSVOA_N
ClientSampleId :

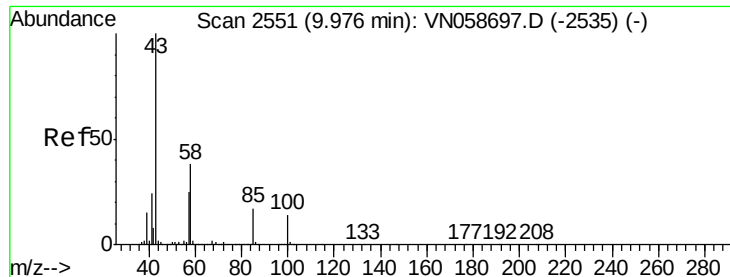
Tot Ion: 88 Resp: 32396
Ion Ratio Lower Upper
88 100
43 39.3 28.6 43.0
58 74.2 57.2 85.8



#50
Toluene-d8
Concen: 49.800 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion: 98 Resp: 738893
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 120.140 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

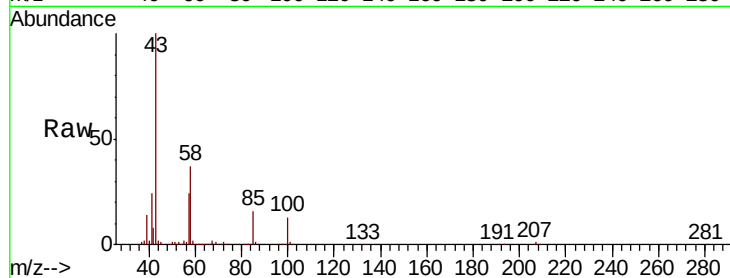
ClientSampleId :

Tot Ion: 43 Resp: 706010

Ion Ratio Lower Upper

43 100

58 36.6 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

400000

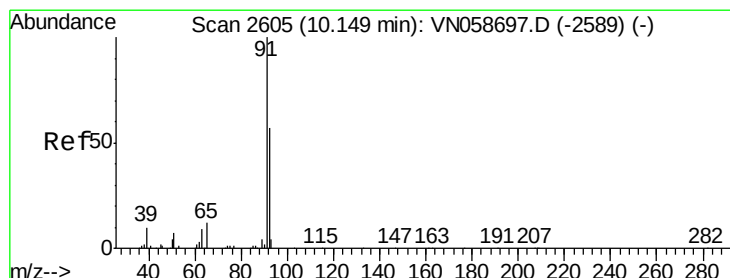
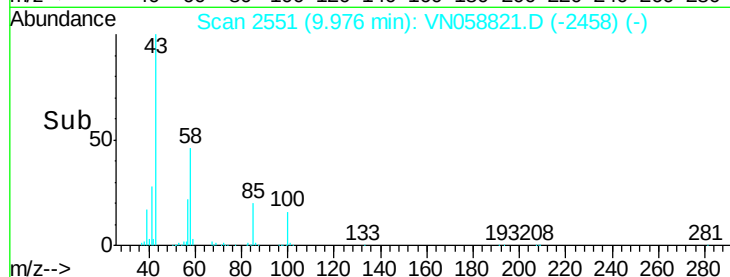
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.869 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058821.D

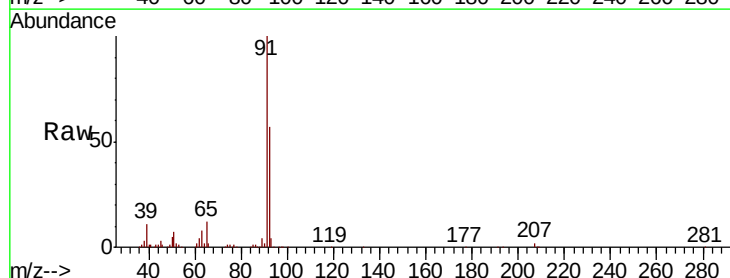
Acq: 17 Oct 2019 12:56

Tgt Ion: 92 Resp: 222646

Ion Ratio Lower Upper

92 100

91 175.3 139.1 208.7



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

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

250000

200000

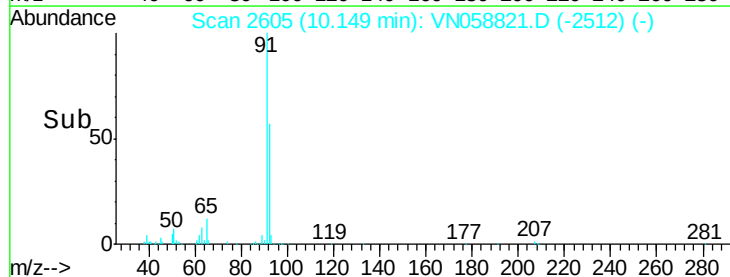
150000

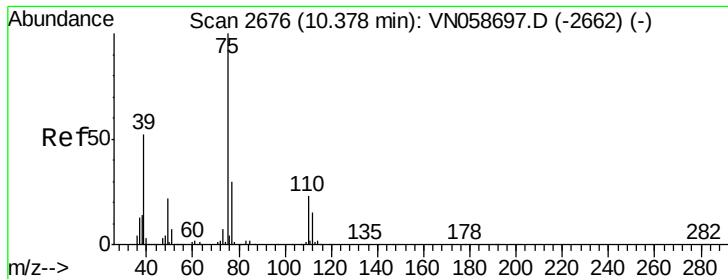
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.088 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

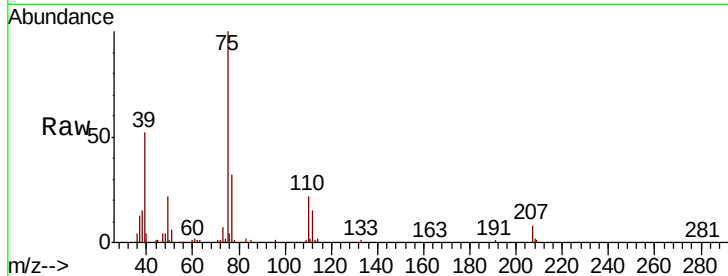
ClientSampleId :

Tot Ion: 75 Resp: 145814

Ion Ratio Lower Upper

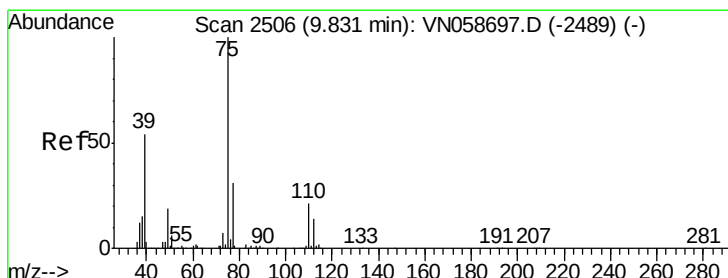
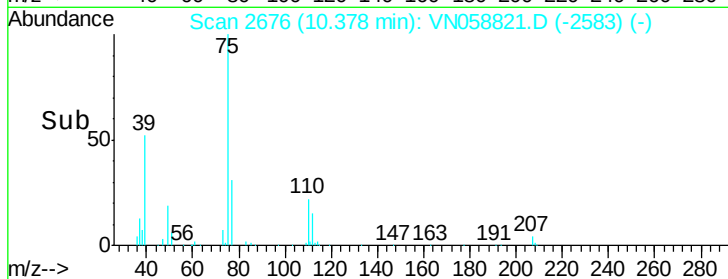
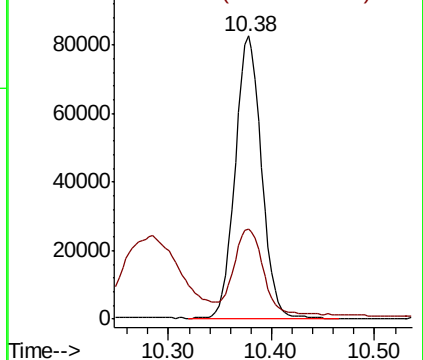
75 100

77 30.2 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.539 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

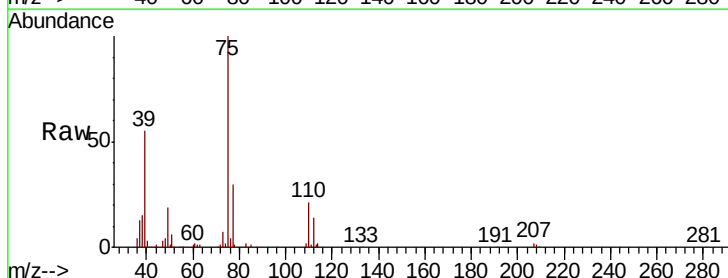
Tgt Ion: 75 Resp: 158125

Ion Ratio Lower Upper

75 100

77 29.8 24.4 36.6

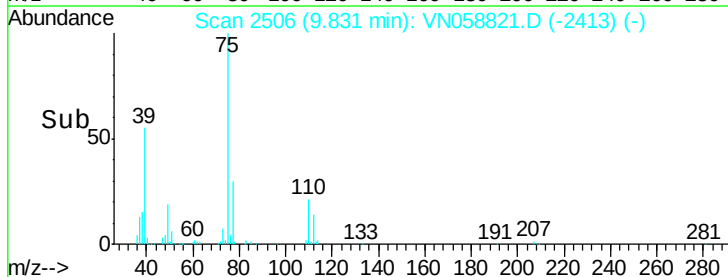
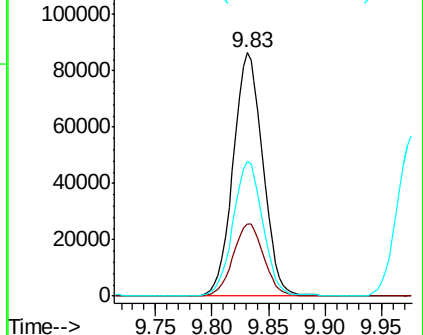
39 55.2 43.1 64.7

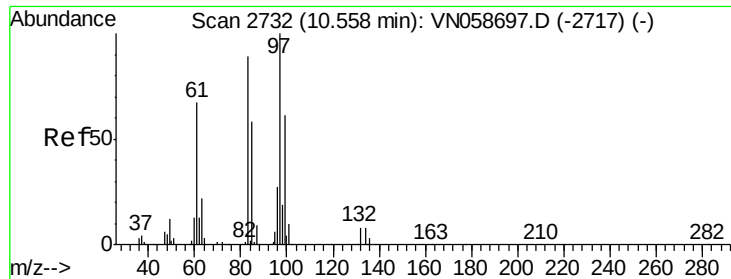


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

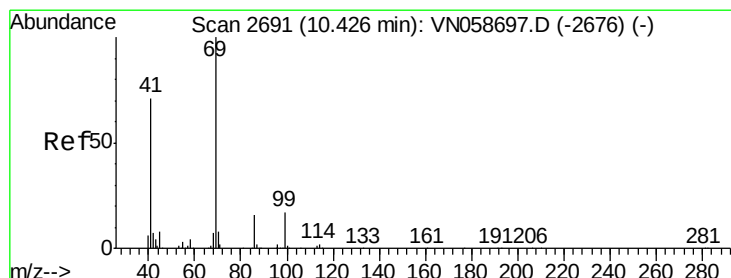
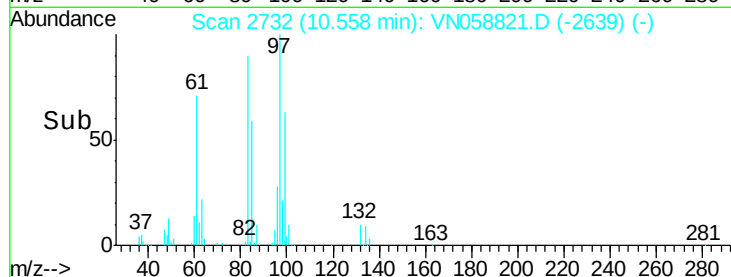
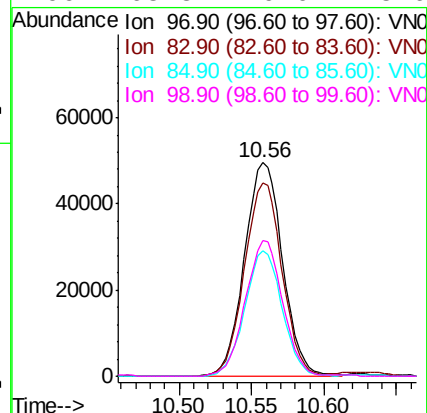
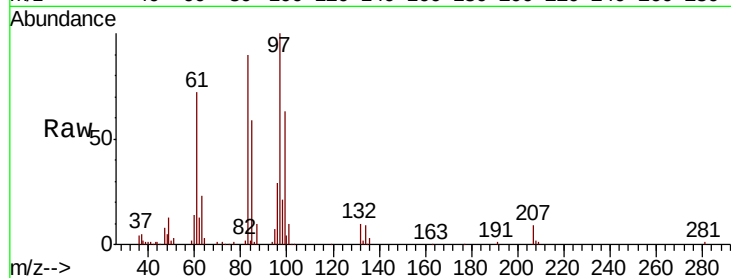




#55
 1,1,2-Trichloroethane
 Concen: 20.791 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

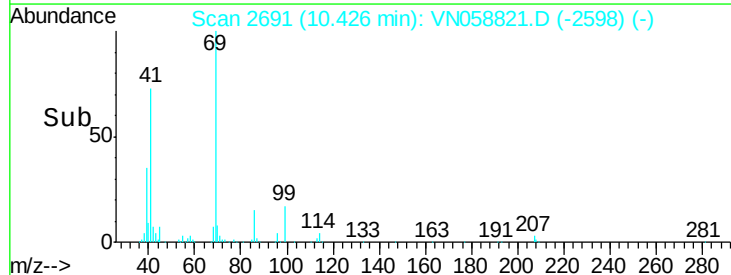
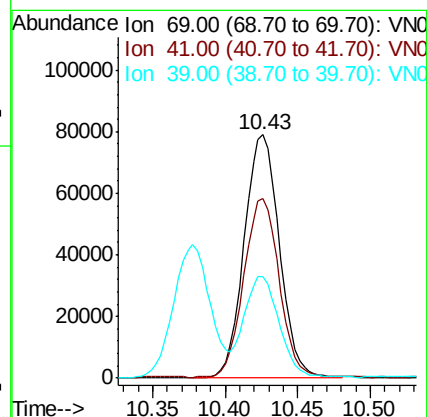
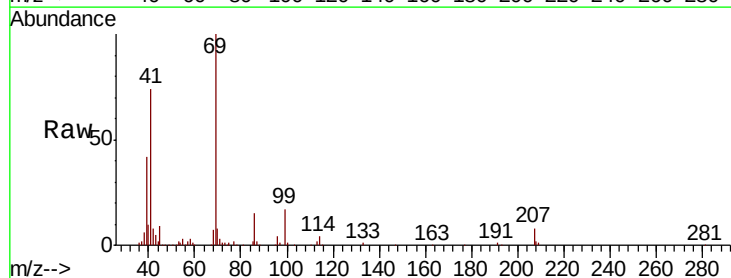
Instrument :
 MSVOA_N
 ClientSampleId :

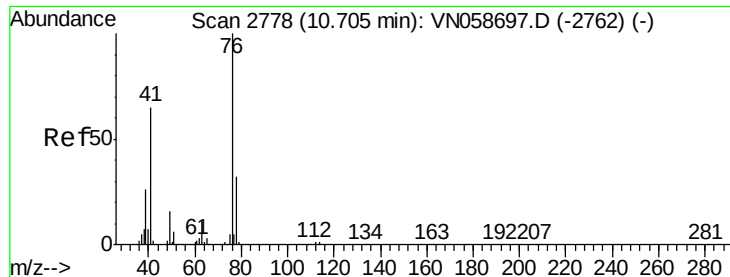
Tot Ion	97	Resp	90783
Ion	Ratio	Lower	Upper
97	100		
83	90.4	71.2	106.8
85	58.9	46.7	70.1
99	63.3	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 20.995 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion	69	Resp	133932
Ion	Ratio	Lower	Upper
69	100		
41	73.4	56.8	85.2
39	41.2	32.5	48.7





#57

1,3-Dichloropropane

Concen: 21.407 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

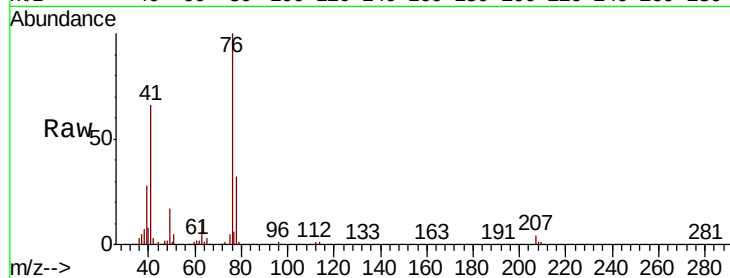
ClientSampled :

Tot Ion: 76 Resp: 159289

Ion Ratio Lower Upper

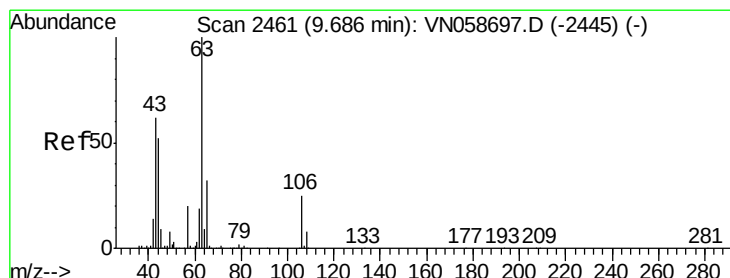
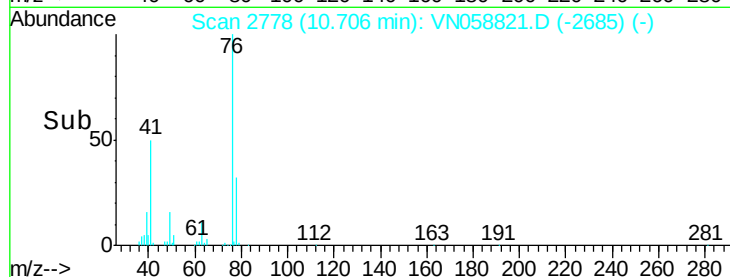
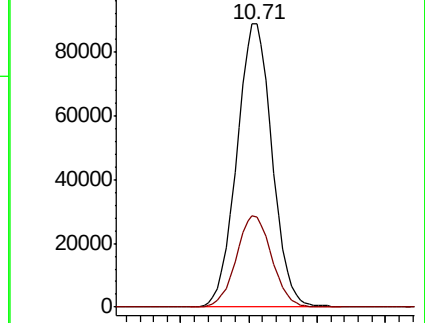
76 100

78 32.5 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 102.653 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058821.D

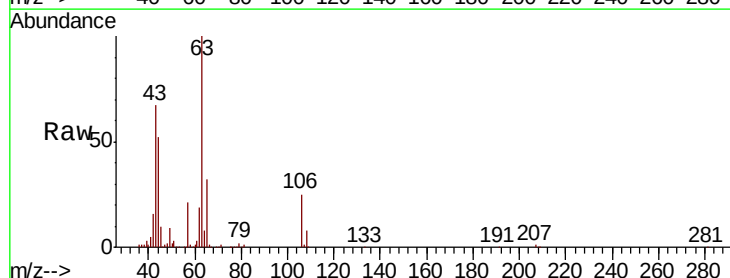
Acq: 17 Oct 2019 12:56

Tgt Ion: 63 Resp: 315584

Ion Ratio Lower Upper

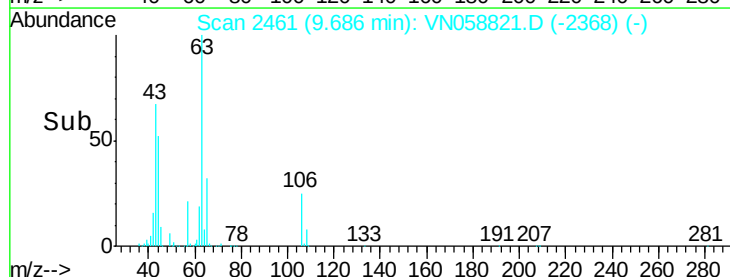
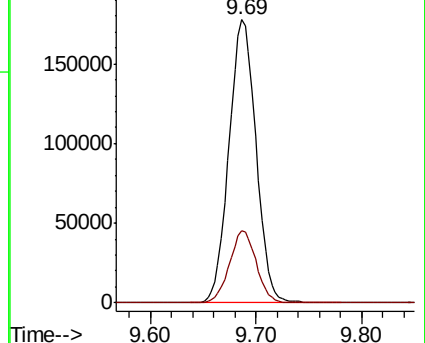
63 100

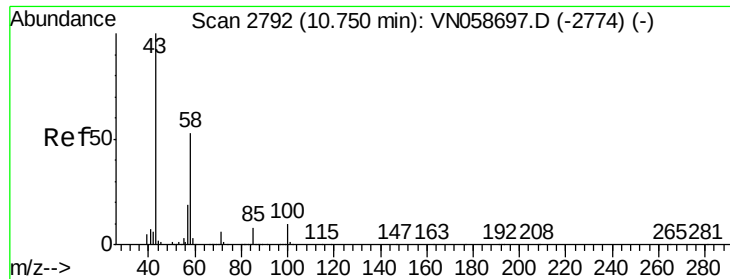
106 25.2 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

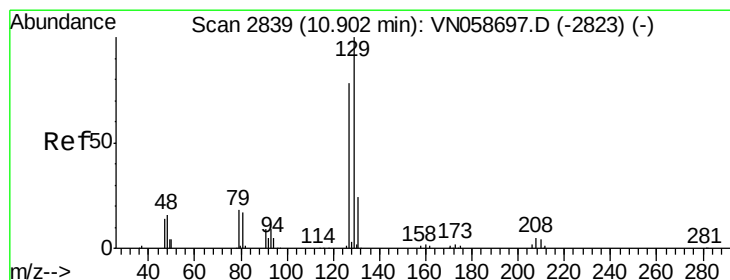
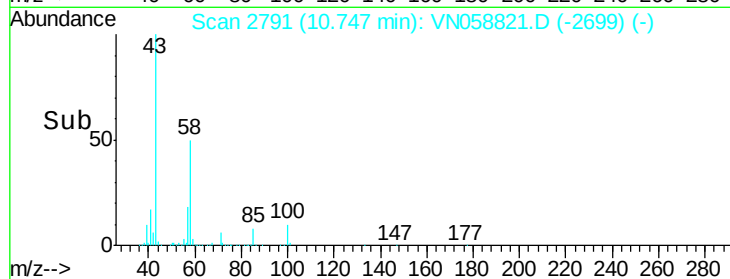
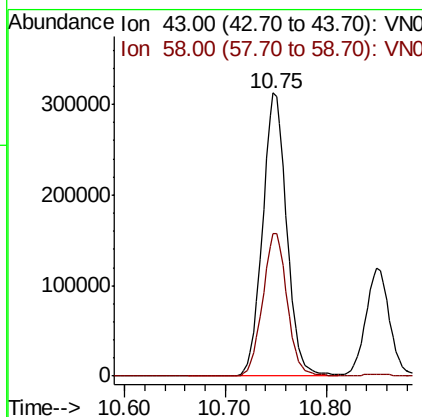
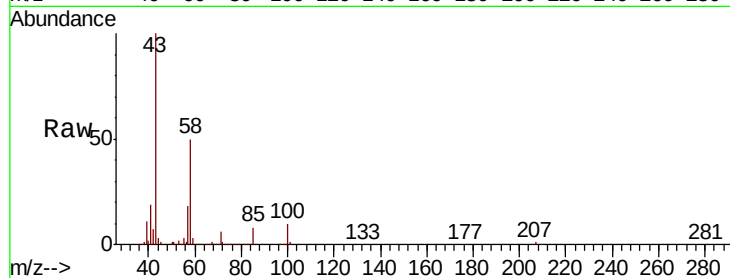




#59
2-Hexanone
Concen: 114.705 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

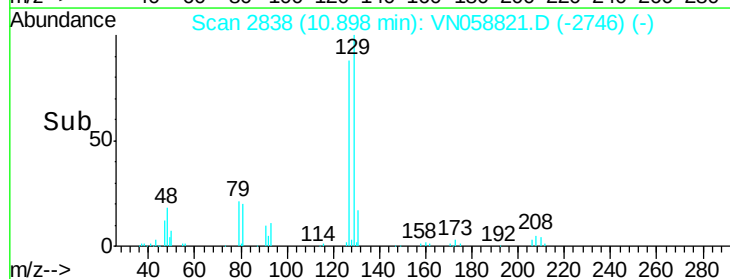
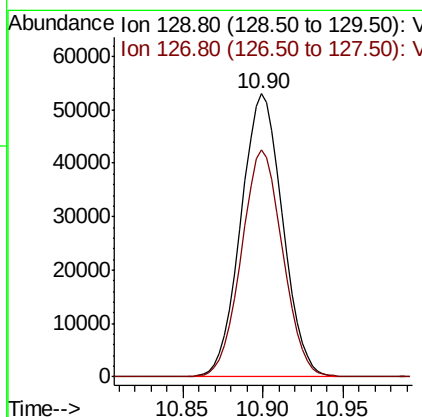
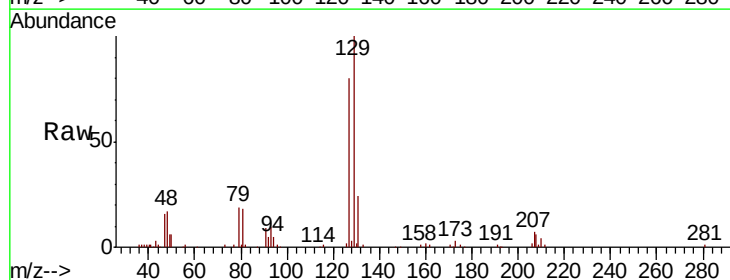
Instrument :
MSVOA_N
ClientSampleId :

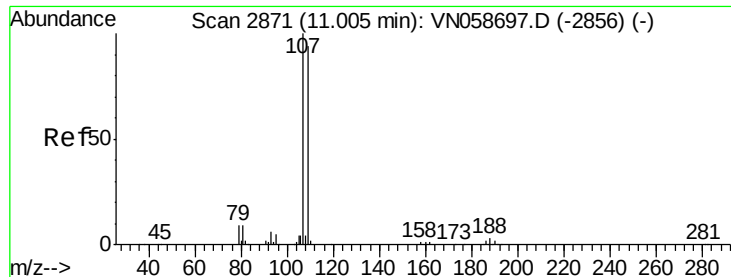
Tot Ion: 43 Resp: 520923
Ion Ratio Lower Upper
43 100
58 51.0 26.1 78.3



#60
Dibromochloromethane
Concen: 21.043 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion: 129 Resp: 94787
Ion Ratio Lower Upper
129 100
127 79.3 38.5 115.3

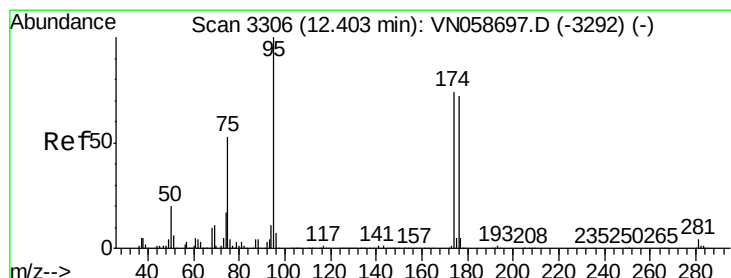
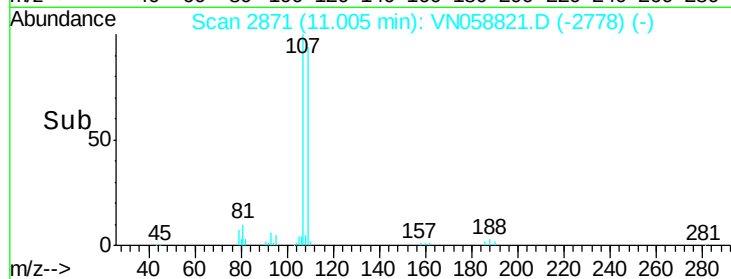
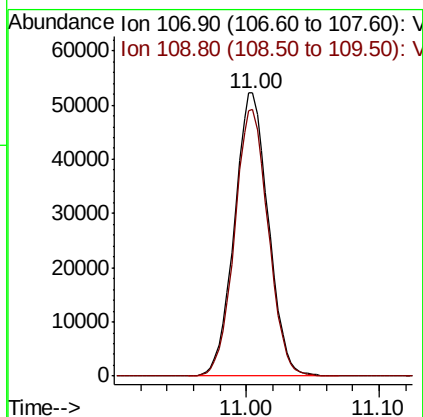
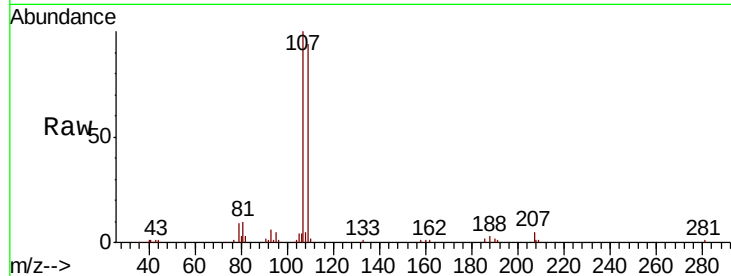




#61
 1,2-Dibromoethane
 Concen: 21.223 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

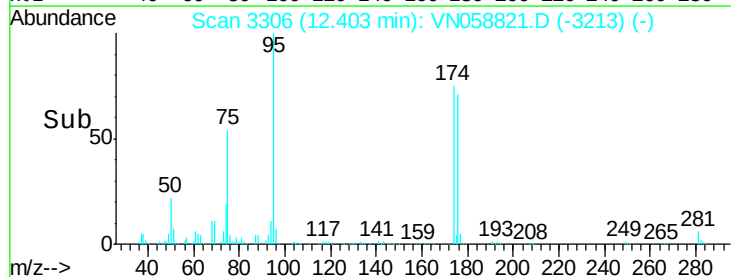
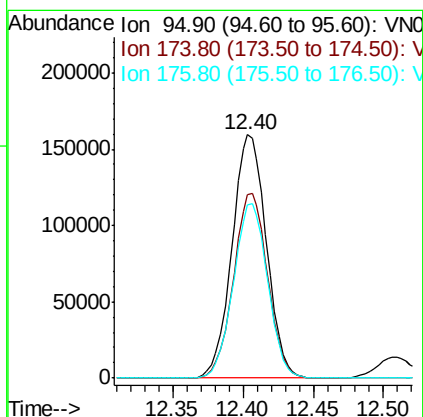
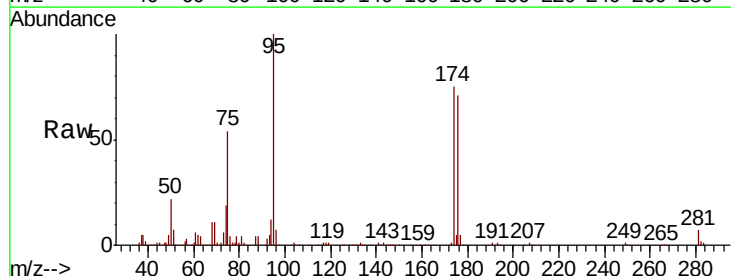
Instrument :
 MSVOA_N
 ClientSampleId :

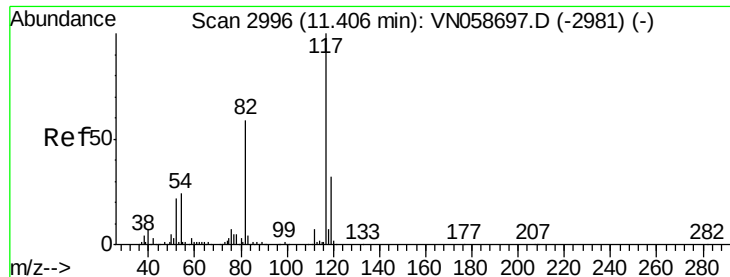
Tot Ion:107 Resp: 92843
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 48.399 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion: 95 Resp: 271824
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 150.4
 176 71.6 0.0 146.8

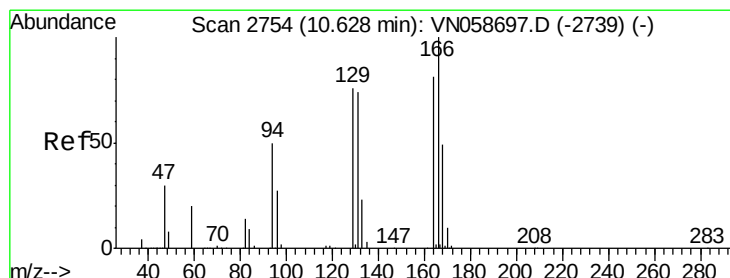
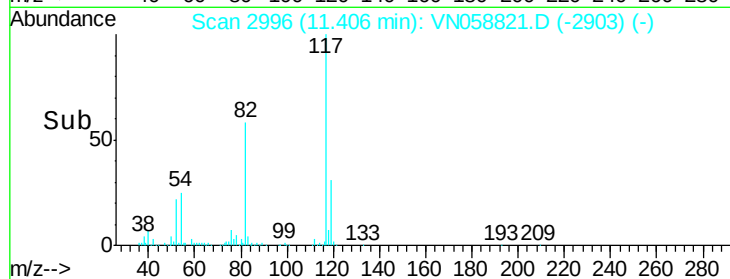
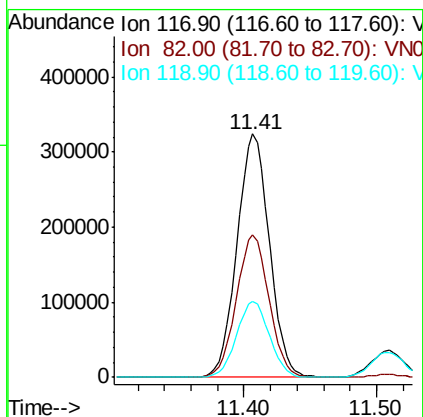
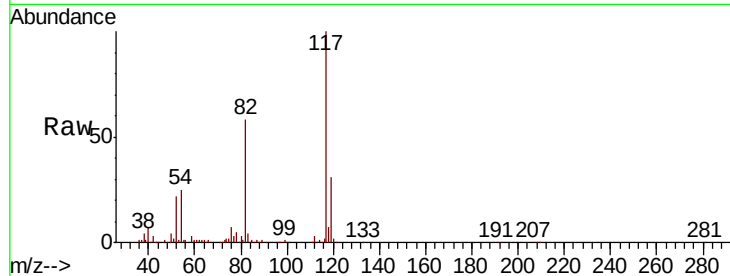




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

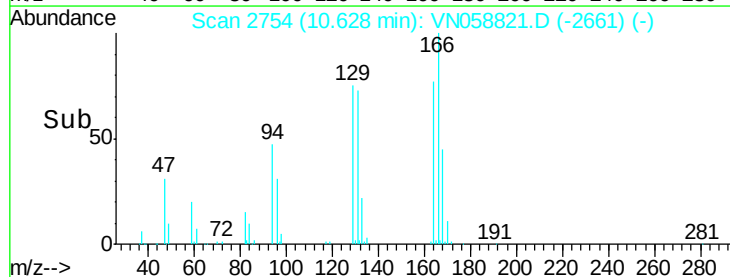
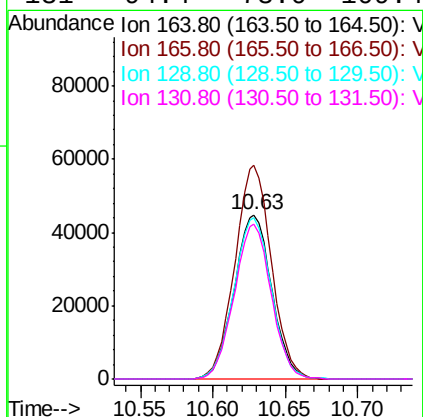
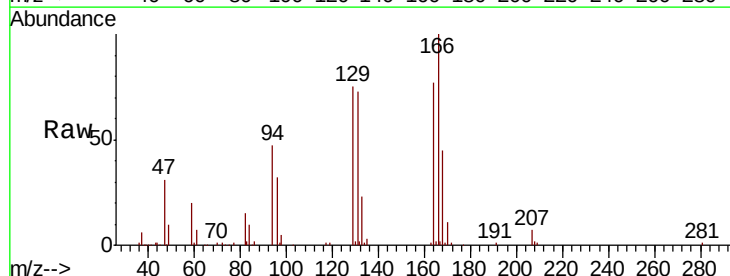
Instrument :
MSVOA_N
ClientSampleId :

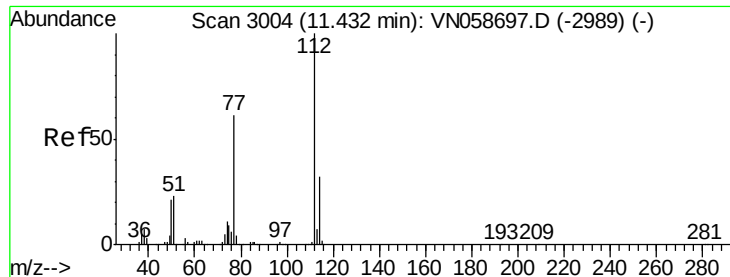
Tot Ion:117 Resp: 549553
Ion Ratio Lower Upper
117 100
82 58.5 47.0 70.4
119 31.3 25.4 38.2



#64
Tetrachloroethene
Concen: 21.009 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion:164 Resp: 80800
Ion Ratio Lower Upper
164 100
166 129.9 99.3 148.9
129 98.0 75.2 112.8
131 94.4 73.0 109.4

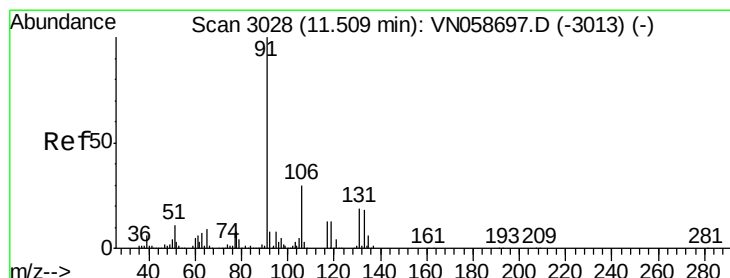
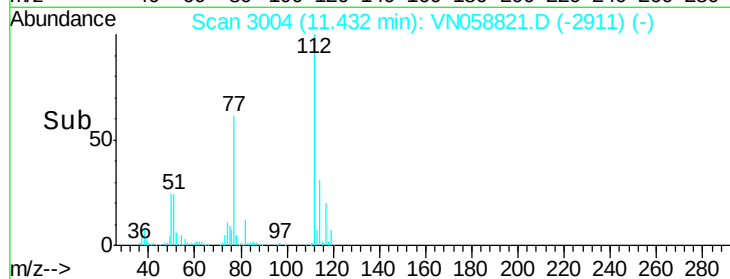
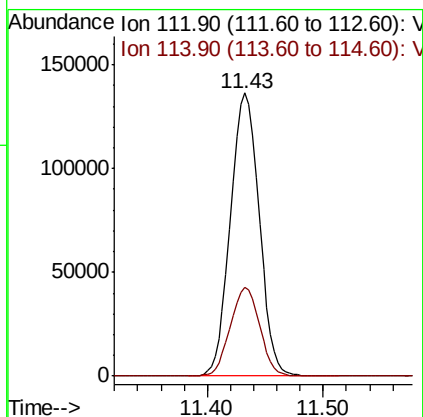
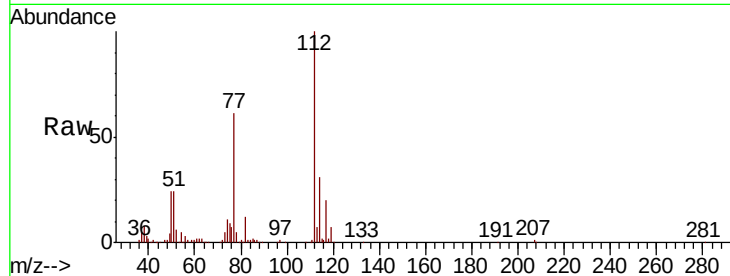




#65
Chlorobenzene
Concen: 20.981 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

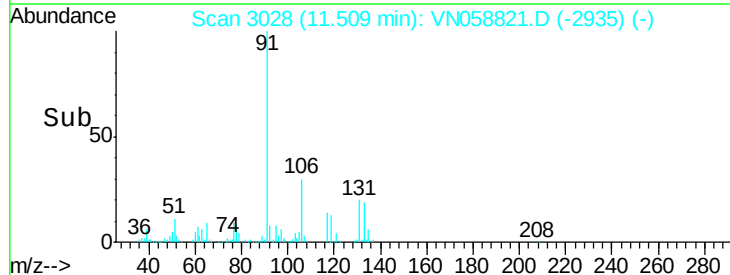
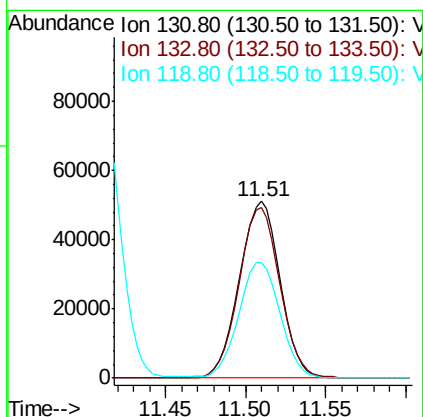
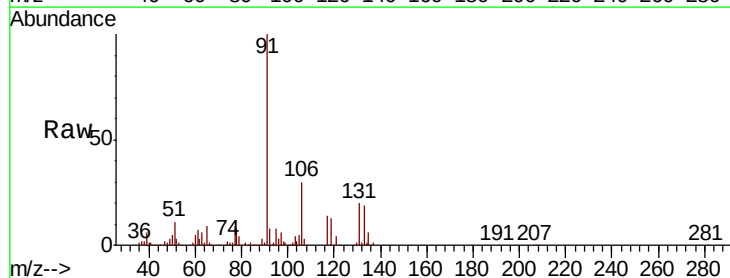
Instrument :
MSVOA_N
ClientSampleId :

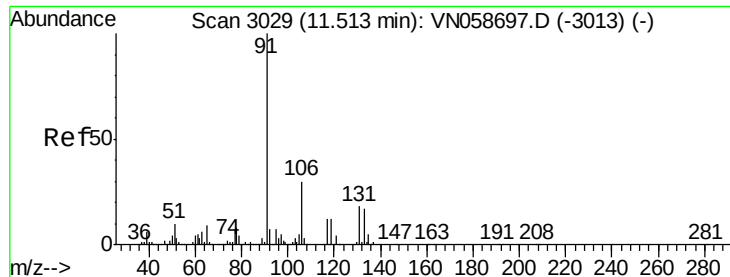
Tot Ion:112 Resp: 234153
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.415 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion:131 Resp: 88376
Ion Ratio Lower Upper
131 100
133 97.6 47.6 142.9
119 66.7 33.0 98.9





#67

Ethyl Benzene

Concen: 21.378 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

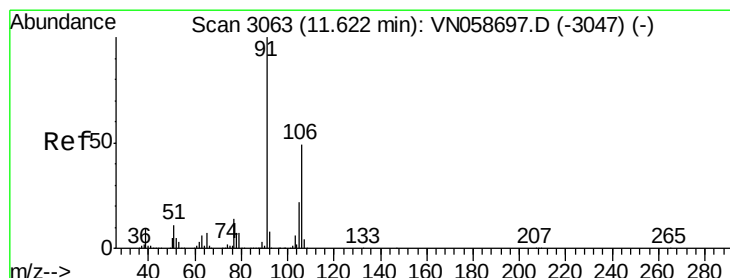
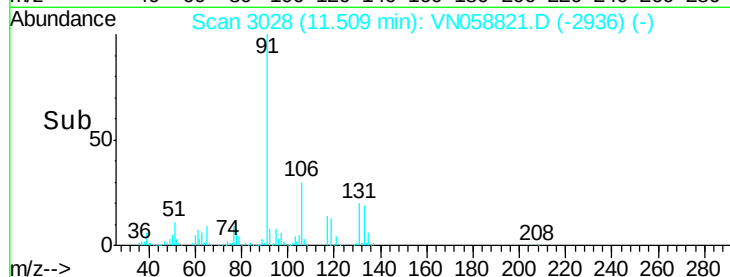
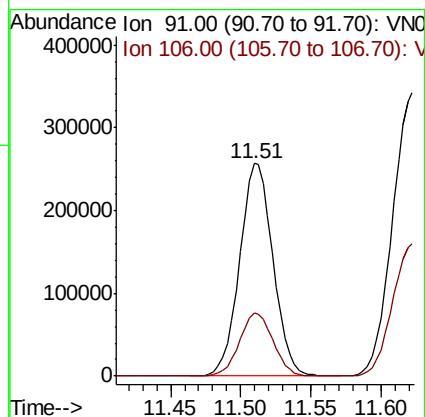
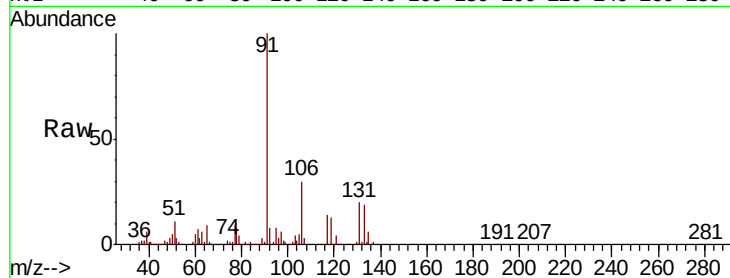
ClientSampleId :

Tot Ion: 91 Resp: 425298

Ion Ratio Lower Upper

91 100

106 29.7 24.1 36.1



#68

m/p-Xylenes

Concen: 41.221 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058821.D

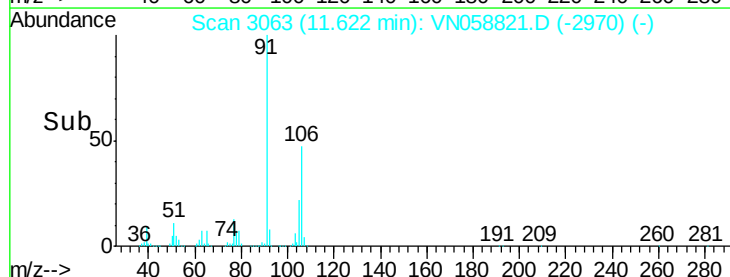
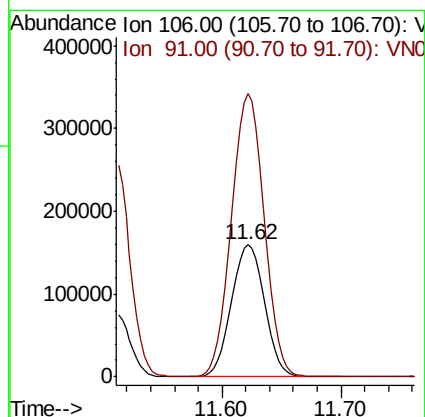
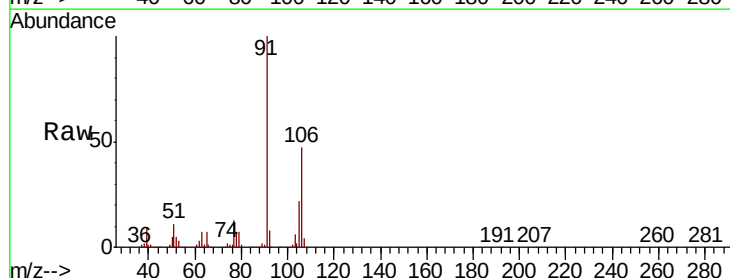
Acq: 17 Oct 2019 12:56

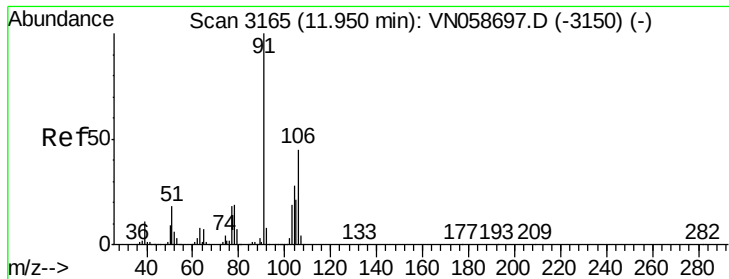
Tgt Ion: 106 Resp: 307742

Ion Ratio Lower Upper

106 100

91 212.3 165.7 248.5

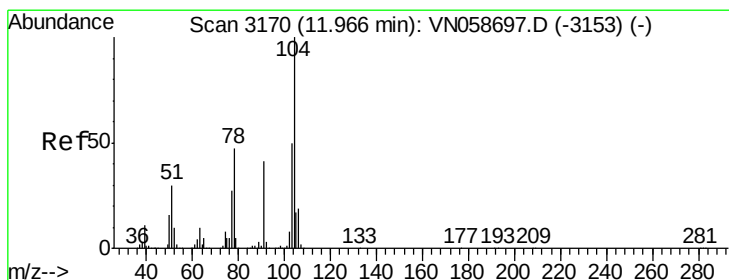
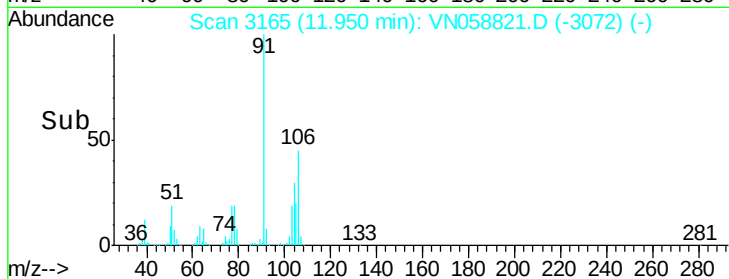
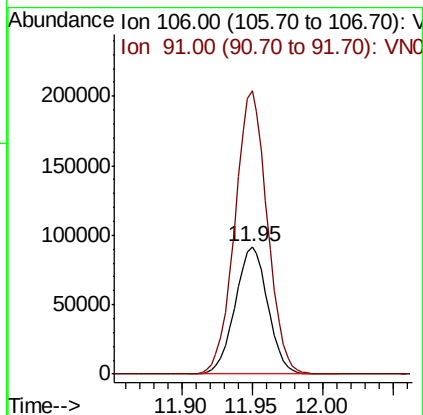
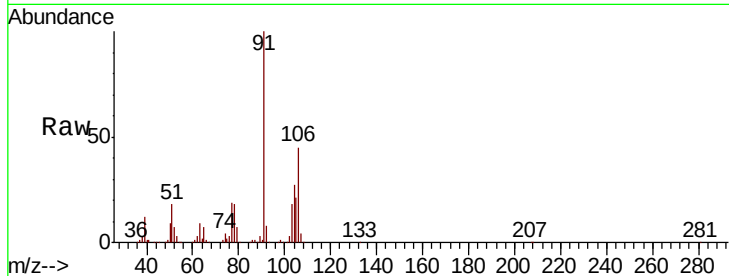




#69
o-Xylene
Concen: 20.628 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

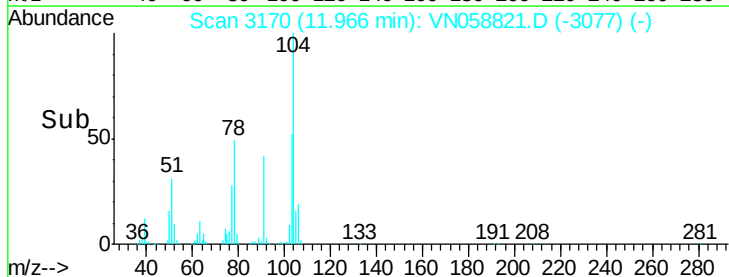
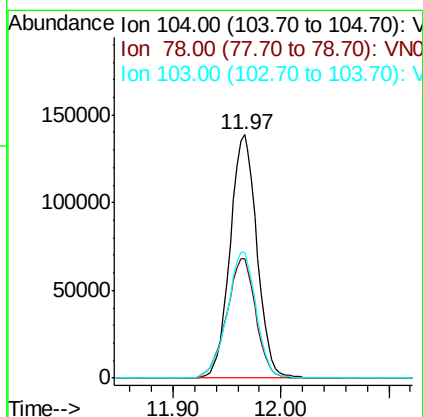
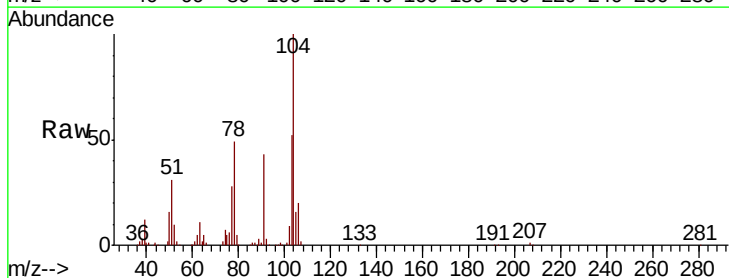
Instrument :
MSVOA_N
ClientSampled :

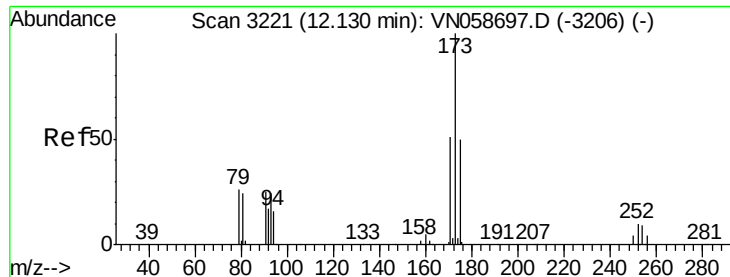
Tot Ion:106 Resp: 149004
Ion Ratio Lower Upper
106 100
91 220.6 110.9 332.9



#70
Styrene
Concen: 20.242 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058821.D
Acq: 17 Oct 2019 12:56

Tgt Ion:104 Resp: 239648
Ion Ratio Lower Upper
104 100
78 53.5 42.2 63.2
103 55.9 43.7 65.5





#71

Bromoform

Concen: 22.177 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

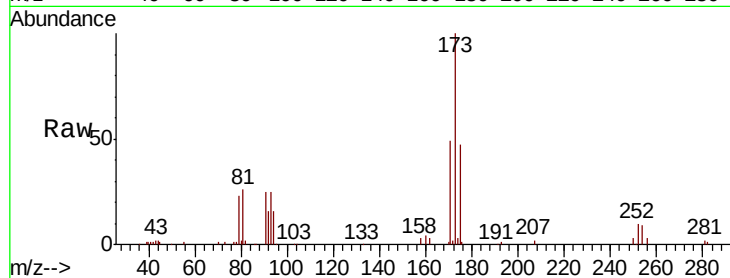
Tot Ion:173 Resp: 67083

Ion Ratio Lower Upper

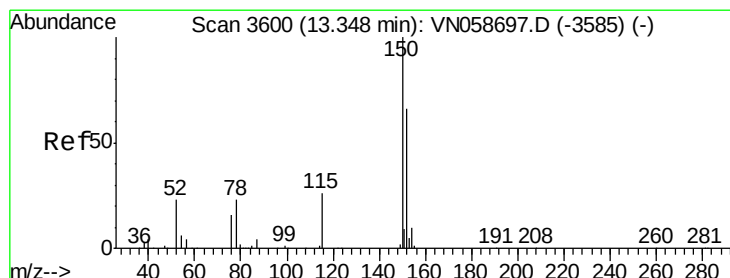
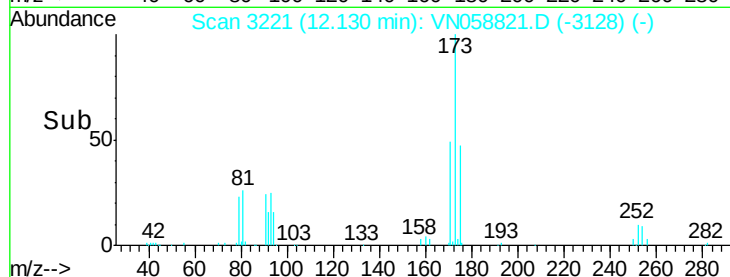
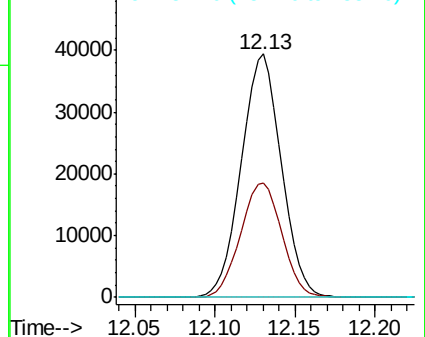
173 100

175 48.4 24.6 73.8

254 0.0 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: VN058821.D

Acq: 17 Oct 2019 12:56

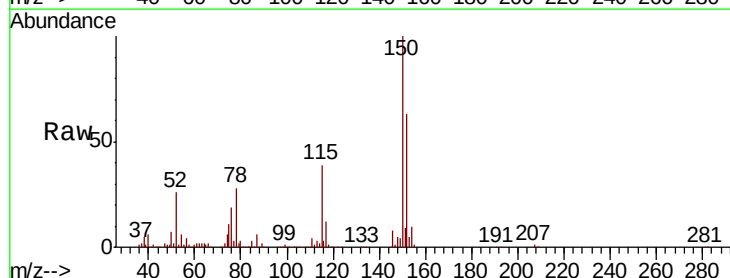
Tgt Ion:152 Resp: 256108

Ion Ratio Lower Upper

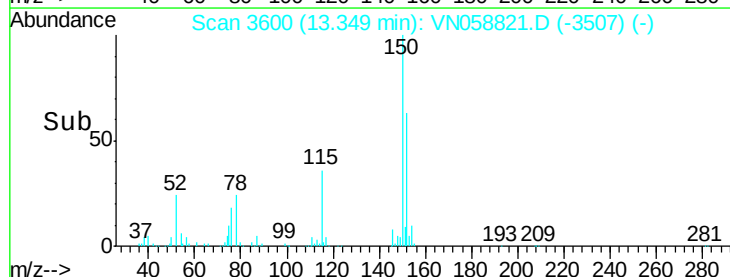
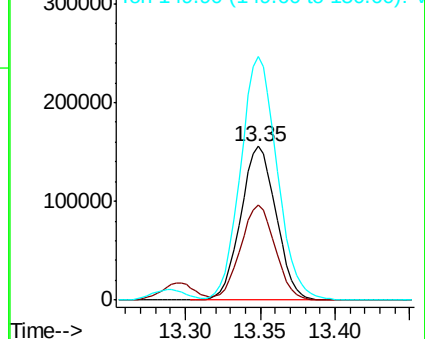
152 100

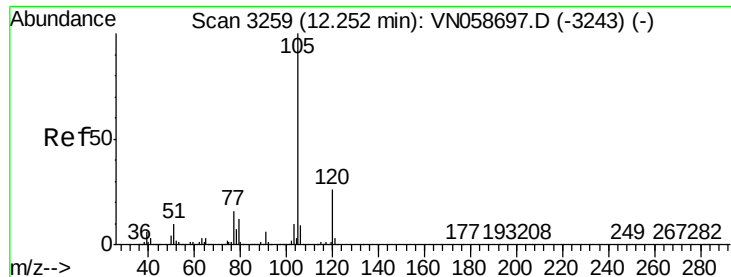
115 61.0 30.4 91.2

150 164.2 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: 22.038 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

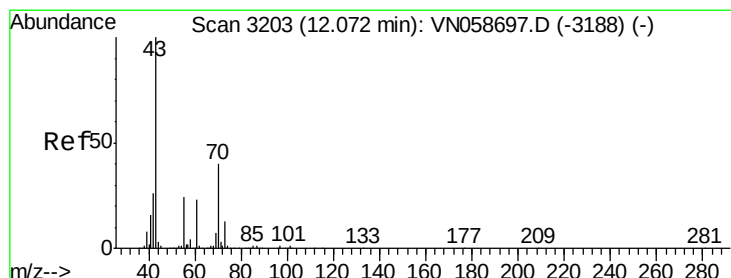
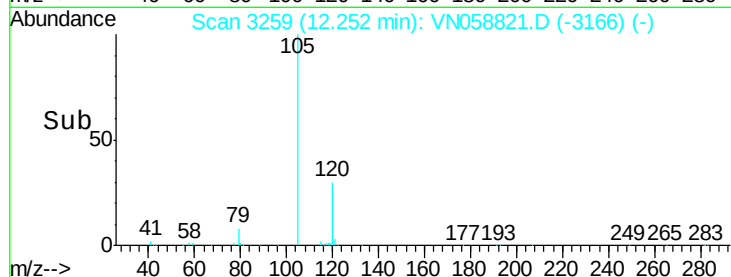
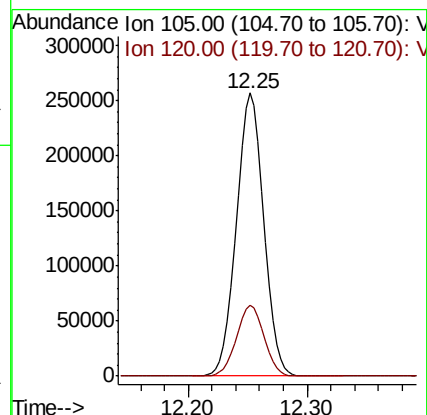
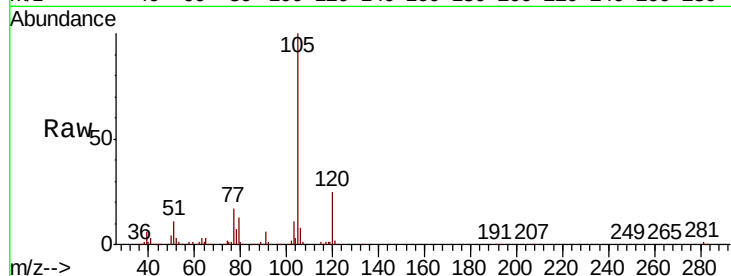
ClientSampled :

Tot Ion:105 Resp: 408761

Ion Ratio Lower Upper

105 100

120 25.3 13.1 39.1



#74

N-ethyl acetate

Concen: 21.960 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Tgt Ion: 43 Resp: 182936

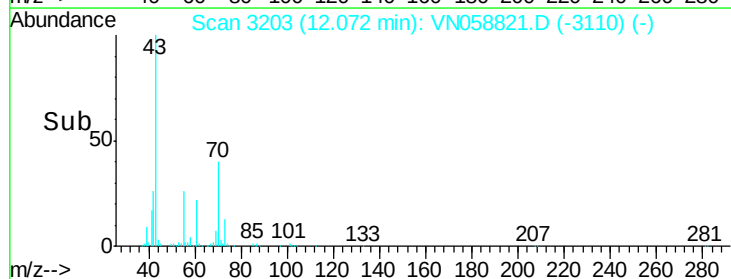
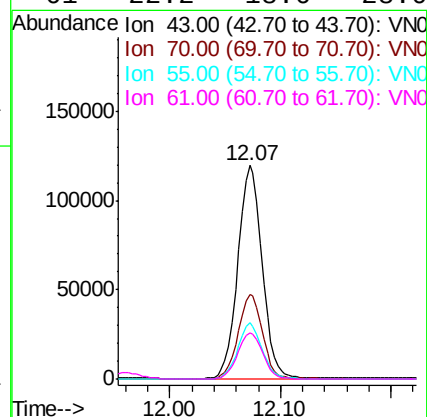
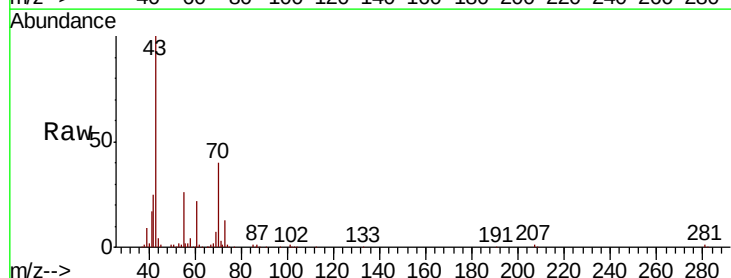
Ion Ratio Lower Upper

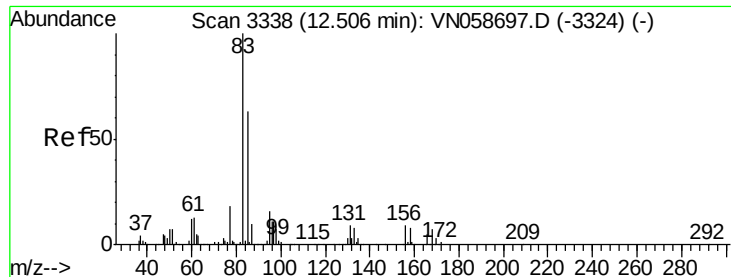
43 100

70 39.6 32.2 48.4

55 26.3 19.6 29.4

61 22.2 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.934 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

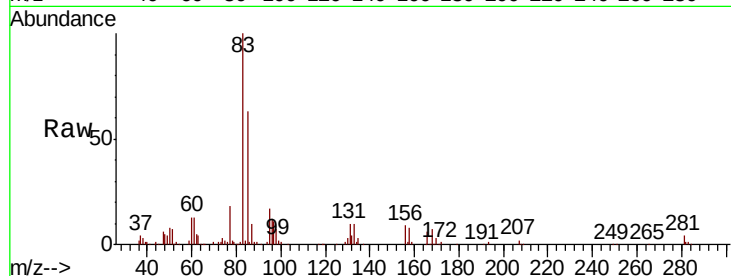
Tot Ion: 83 Resp: 140131

Ion Ratio Lower Upper

83 100

131 10.1 4.8 14.4

85 63.4 31.9 95.5



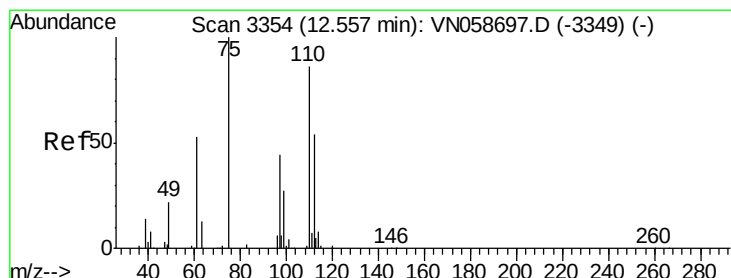
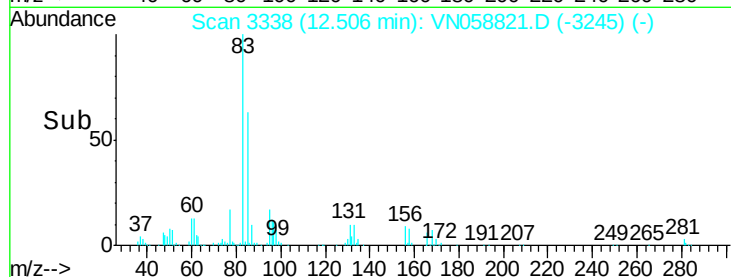
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 32.738 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058821.D

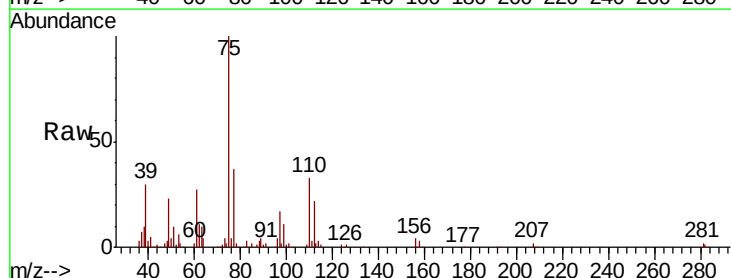
Acq: 17 Oct 2019 12:56

Tgt Ion: 75 Resp: 183932

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

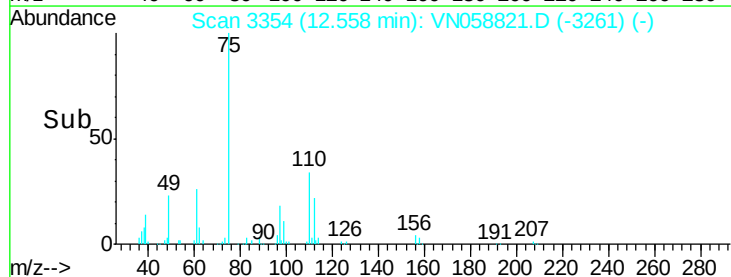


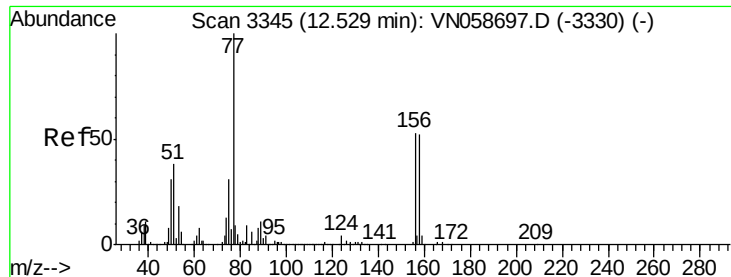
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.56

Time-->





#77

Bromobenzene

Concen: 21.396 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

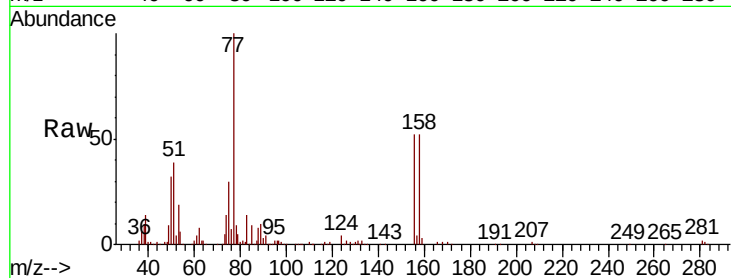
Tot Ion:156 Resp: 96526

Ion Ratio Lower Upper

156 100

77 235.3 115.8 347.3

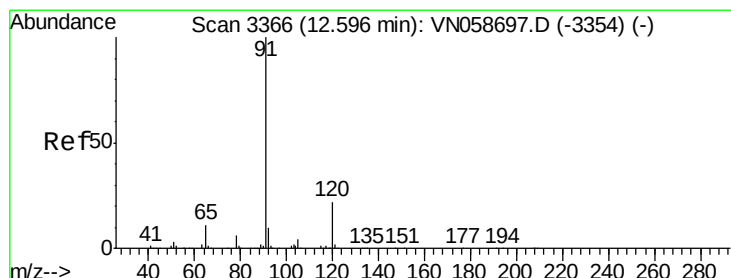
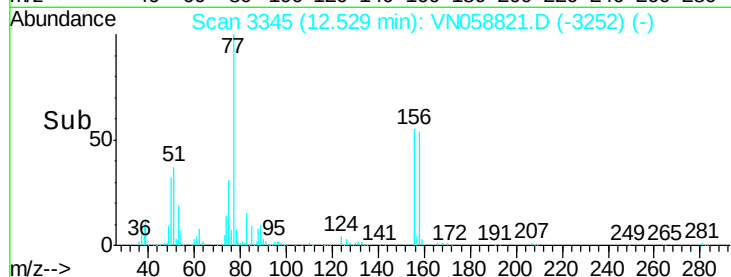
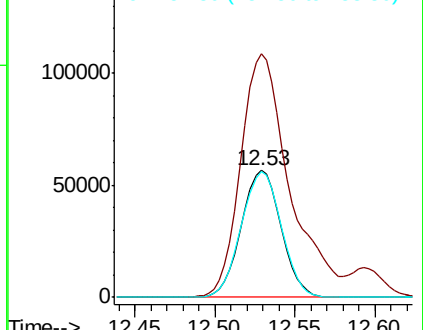
158 99.8 48.9 146.6



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: 21.799 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058821.D

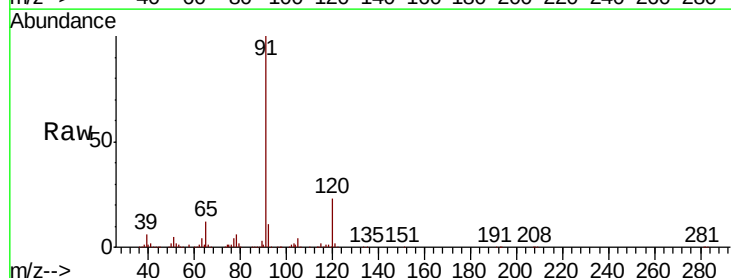
Acq: 17 Oct 2019 12:56

Tgt Ion: 91 Resp: 471154

Ion Ratio Lower Upper

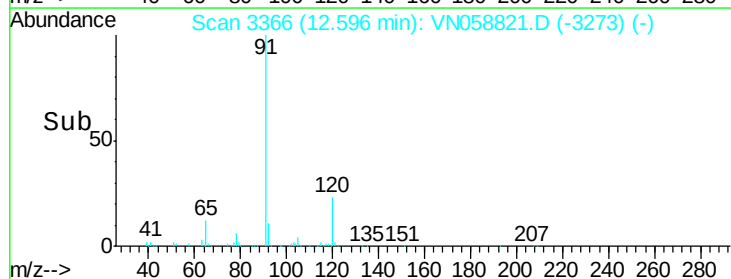
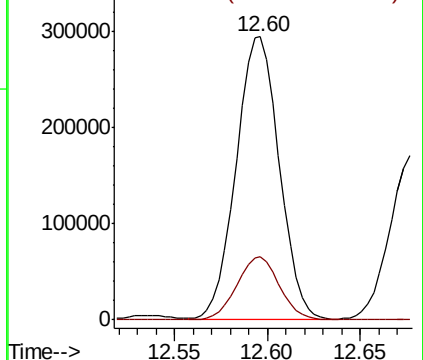
91 100

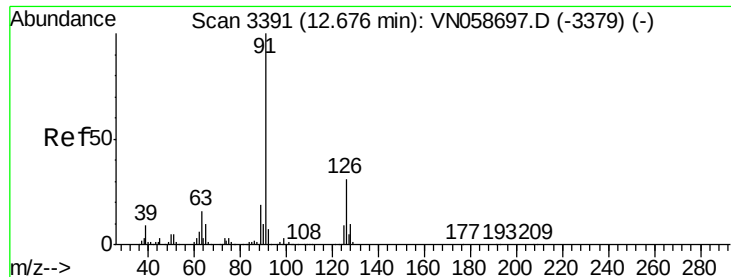
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.052 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

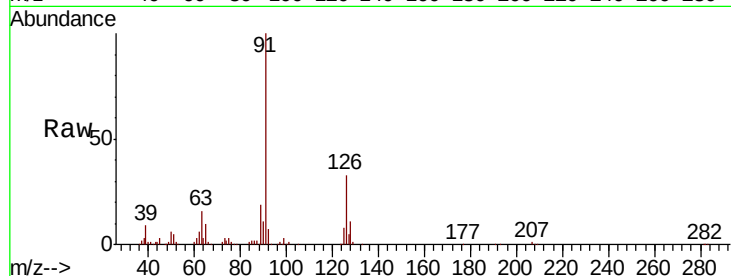
ClientSampled :

Tot Ion: 91 Resp: 282414

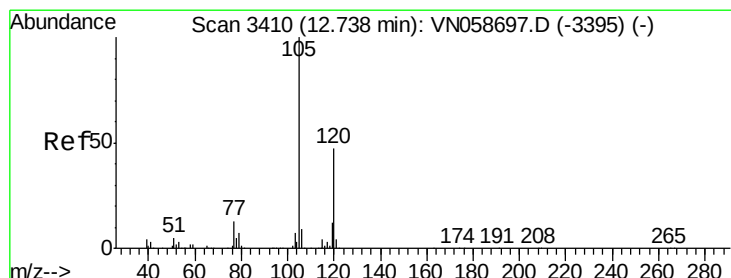
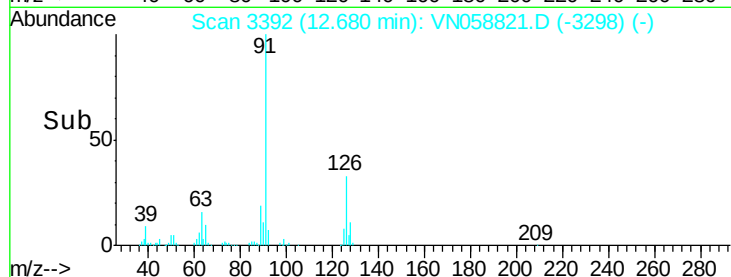
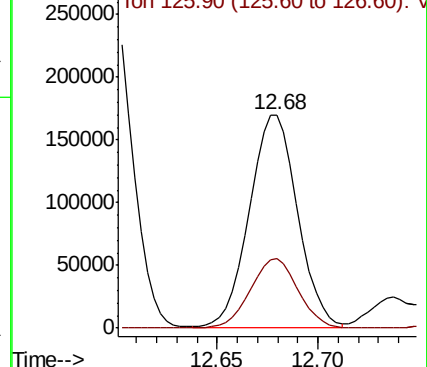
Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.674 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058821.D

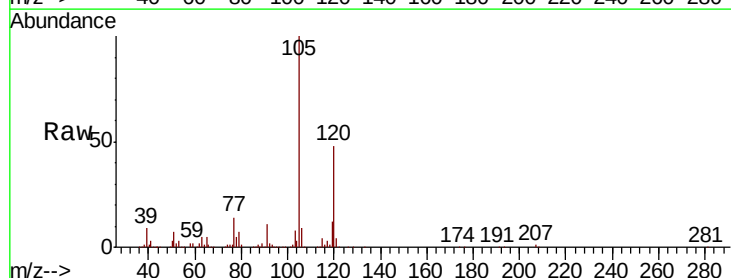
Acq: 17 Oct 2019 12:56

Tgt Ion: 105 Resp: 343204

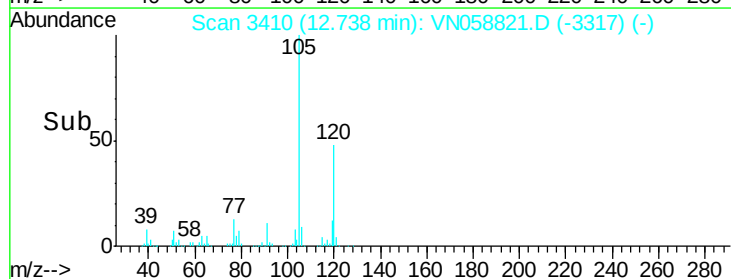
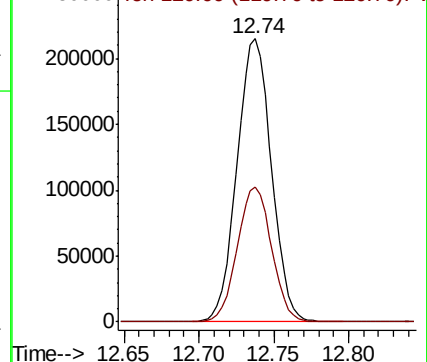
Ion Ratio Lower Upper

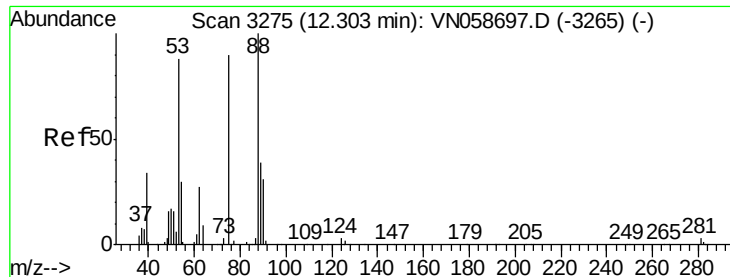
105 100

120 47.6 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.448 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

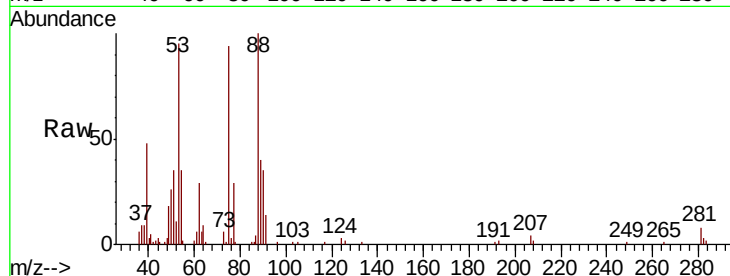
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 44987

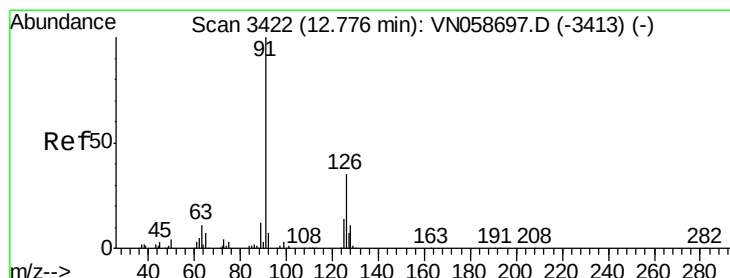
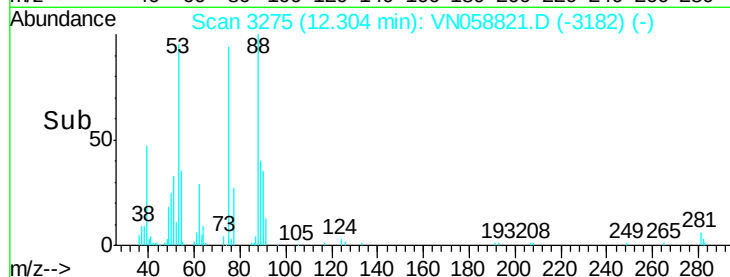
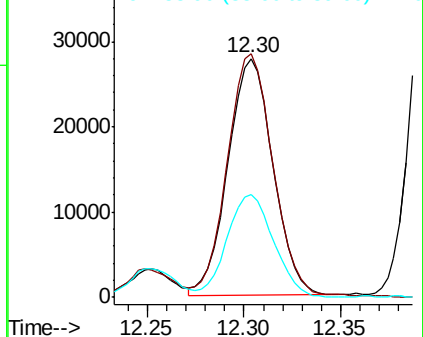
Ion	Ratio	Lower	Upper
75	100		
53	103.7	78.4	117.6
89	44.8	34.9	52.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.424 ug/l

RT: 12.78 min Scan# 3422

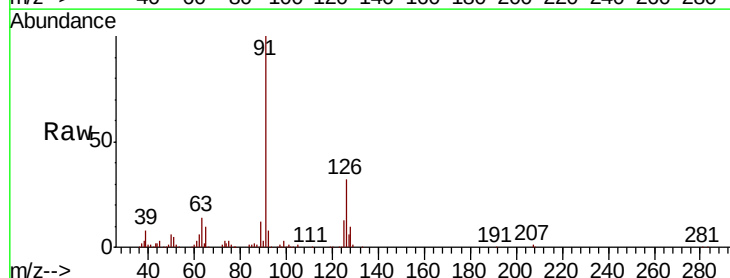
Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

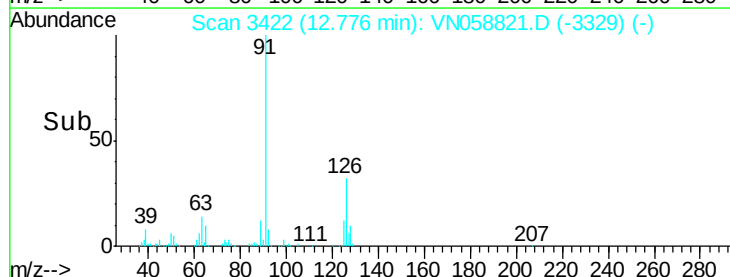
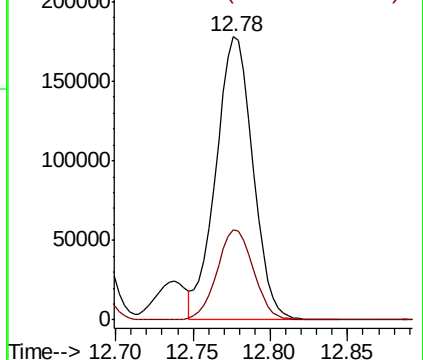
Tgt Ion: 91 Resp: 294921

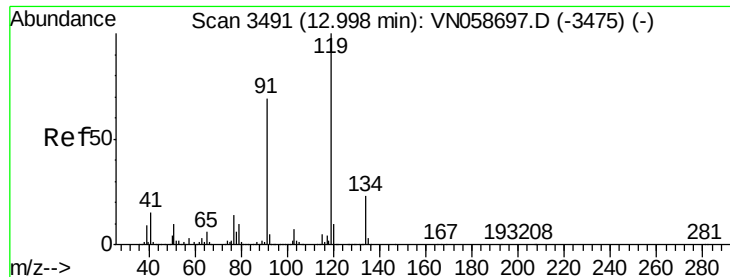
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

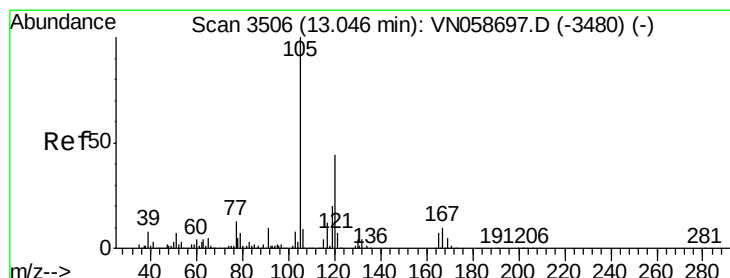
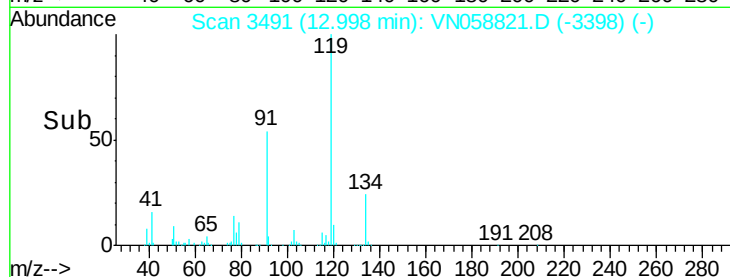
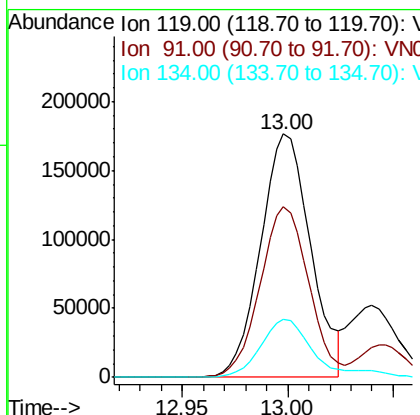
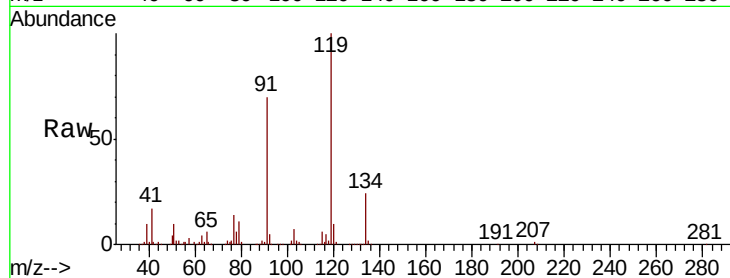




#83
 tert-Butylbenzene
 Concen: 21.459 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

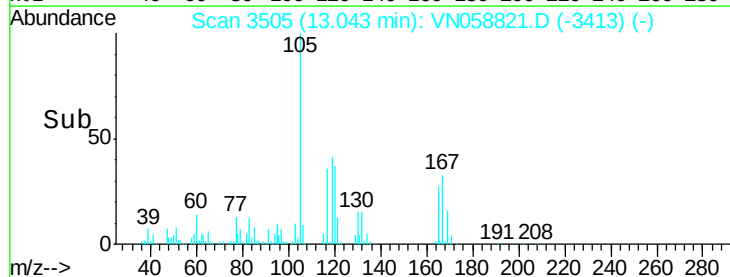
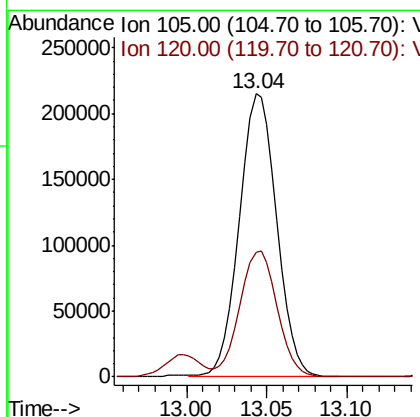
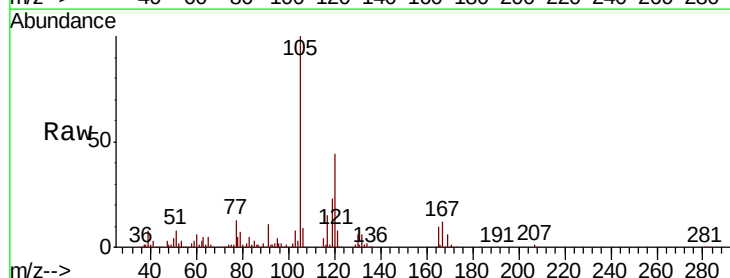
Instrument :
 MSVOA_N
 ClientSampleId :

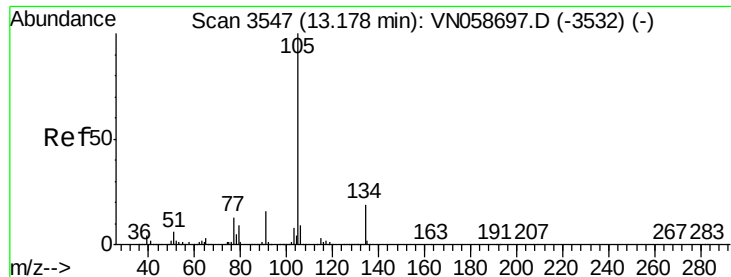
Tot Ion:119 Resp: 291102
 Ion Ratio Lower Upper
 119 100
 91 68.5 33.8 101.3
 134 25.6 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.619 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion:105 Resp: 339848
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.9 65.7





#85

sec-Butylbenzene

Concen: 21.932 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

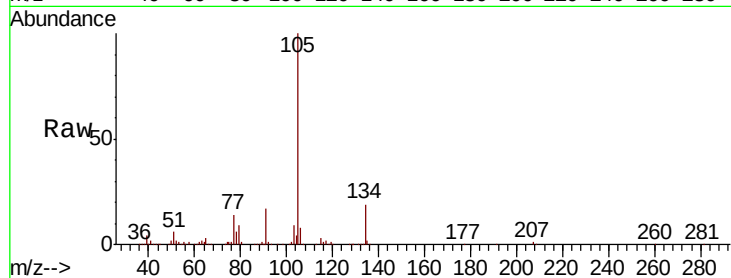
ClientSampled :

Tot Ion:105 Resp: 392038

Ion Ratio Lower Upper

105 100

134 19.5 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

250000

200000

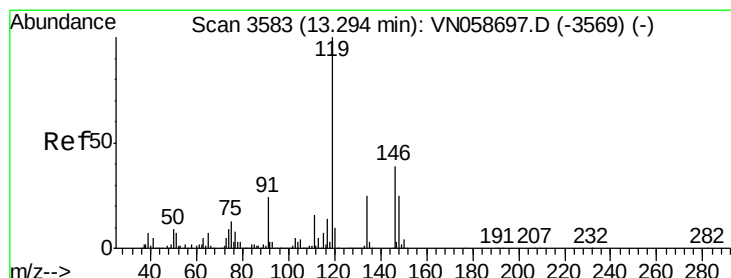
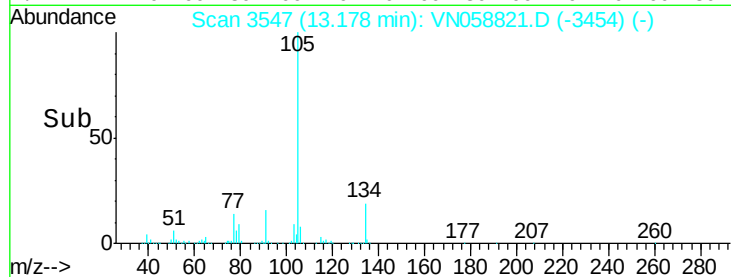
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 21.396 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

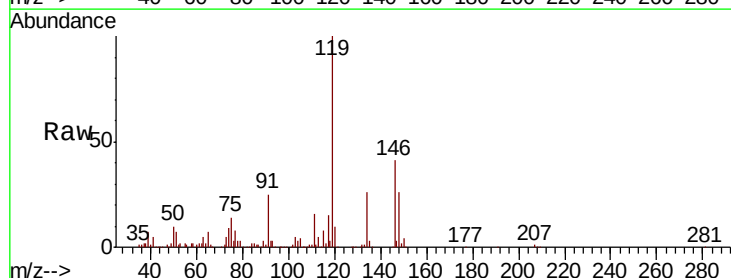
Tgt Ion:119 Resp: 347597

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

91 25.3 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

300000

250000

200000

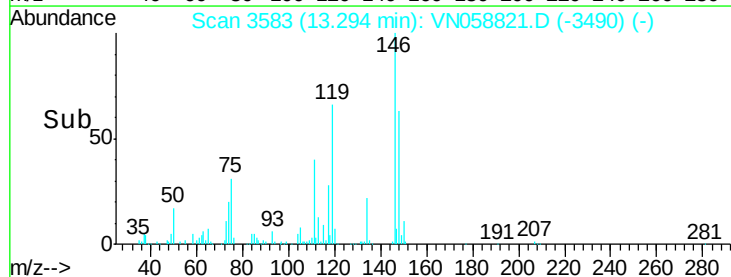
150000

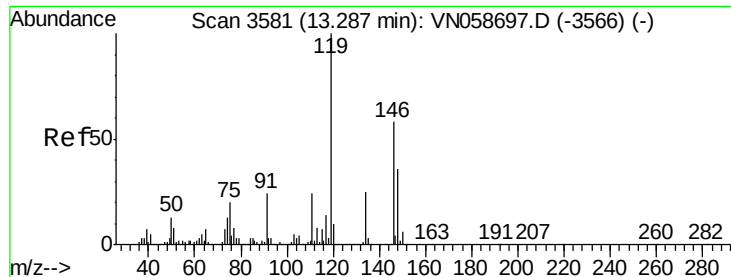
100000

50000

0

Time--> 13.25 13.30 13.35

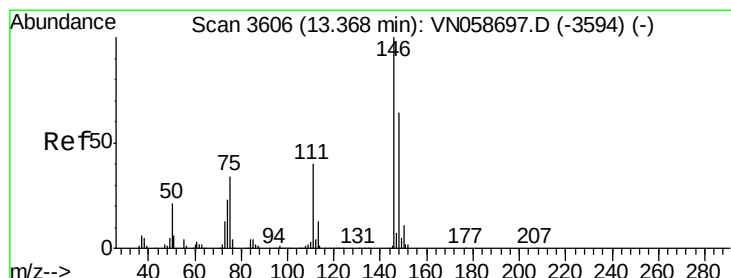
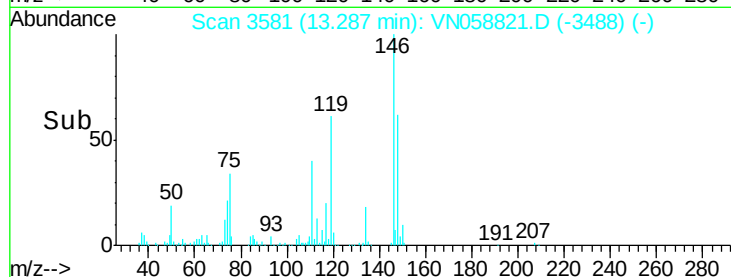
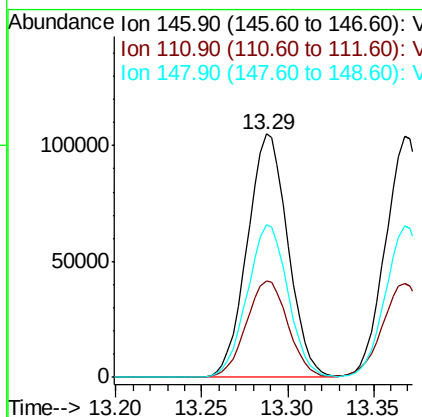
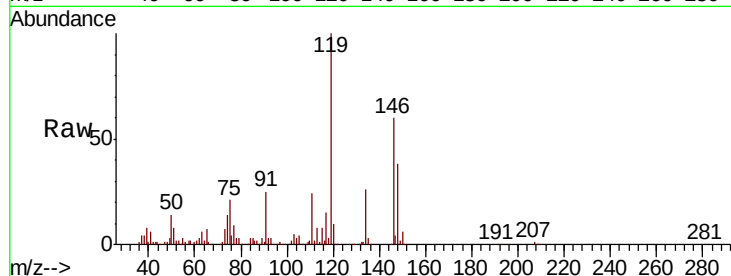




#87
 1,3-Dichlorobenzene
 Concen: 20.707 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

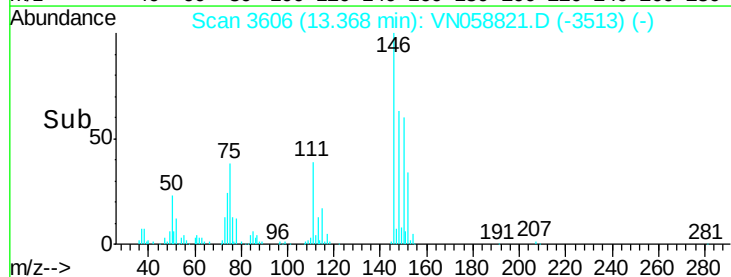
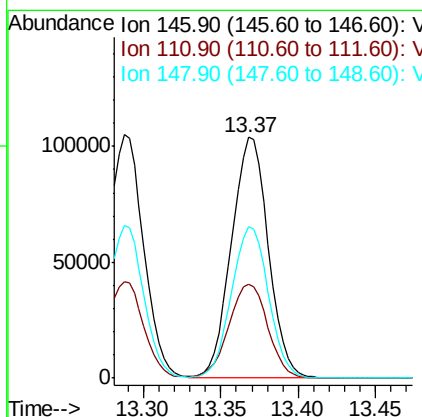
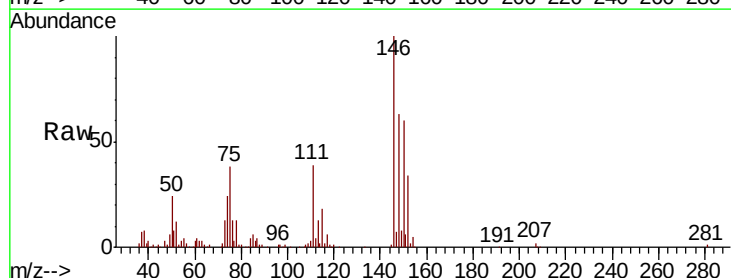
Instrument :
 MSVOA_N
 ClientSampled :

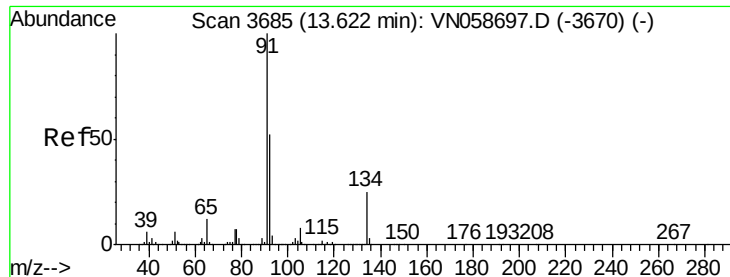
Tot Ion:146 Resp: 172282
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.5 61.6
 148 63.0 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 20.393 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion:146 Resp: 172508
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.1 60.2
 148 63.1 31.9 95.7





#89

n-Butylbenzene

Concen: 20.216 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

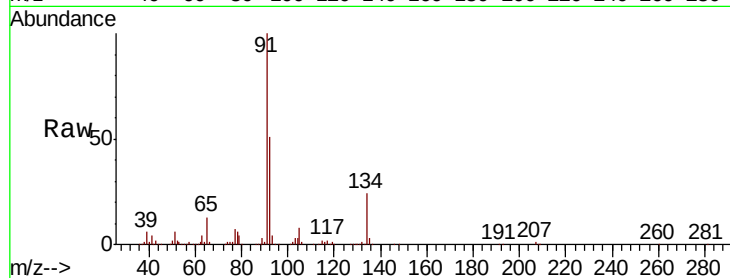
Tot Ion: 91 Resp: 303683

Ion Ratio Lower Upper

91 100

92 50.9 26.0 78.0

134 23.8 12.2 36.6

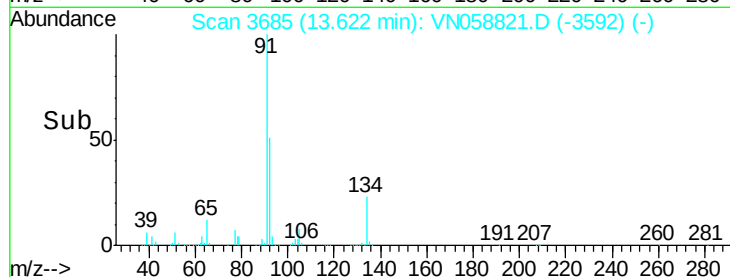


Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)

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

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

Time-->

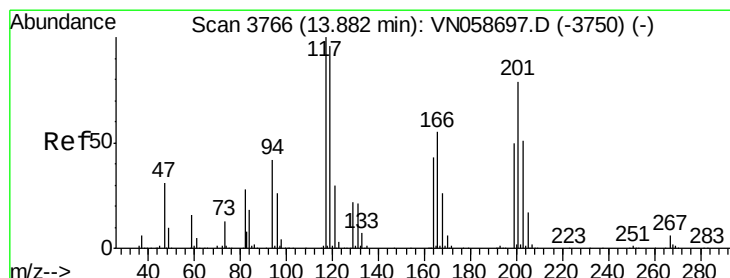


Abundance Ion 91.00 (90.70 to 91.70): VN058821.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN058821.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN058821.D (-3592) (-)

Time-->



#90

Hexachloroethane

Concen: 22.422 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058821.D

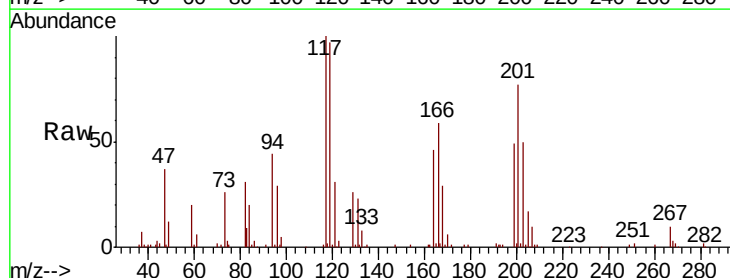
Acq: 17 Oct 2019 12:56

Tgt Ion: 117 Resp: 65177

Ion Ratio Lower Upper

117 100

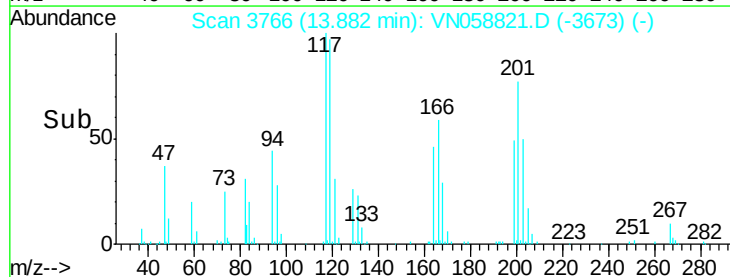
201 75.5 39.6 118.7



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

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

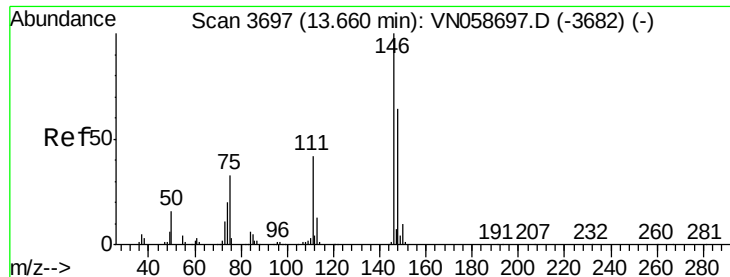
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN058821.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058821.D (-3673) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 21.112 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

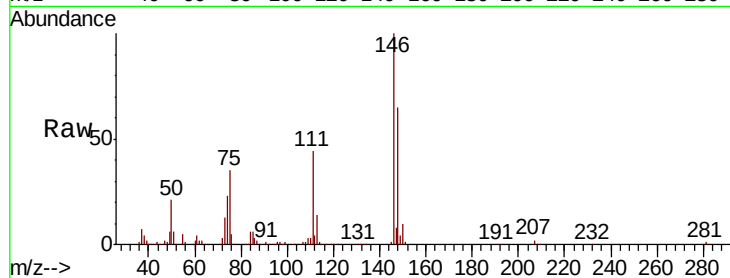
Tot Ion:146 Resp: 171198

Ion Ratio Lower Upper

146 100

111 43.2 21.1 63.4

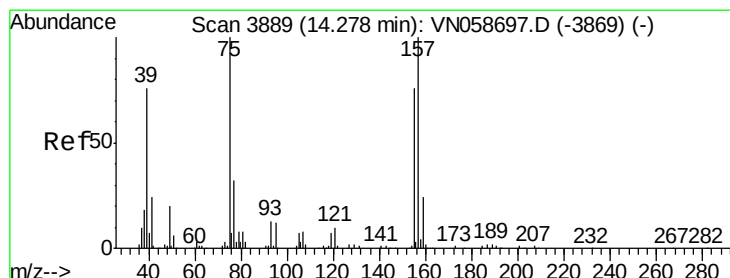
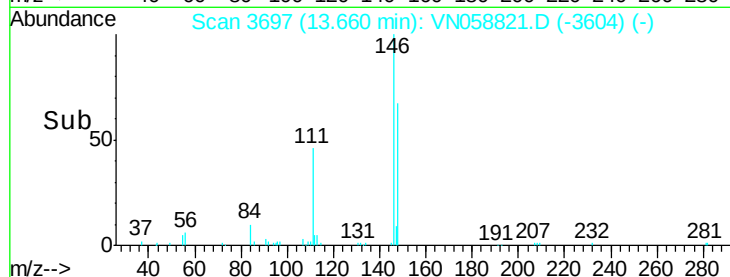
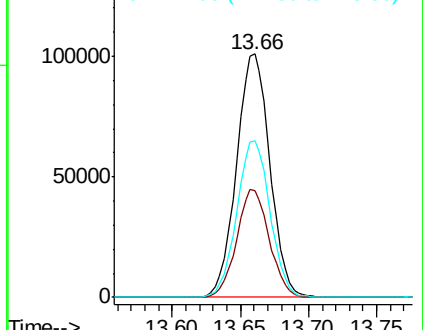
148 64.1 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.305 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

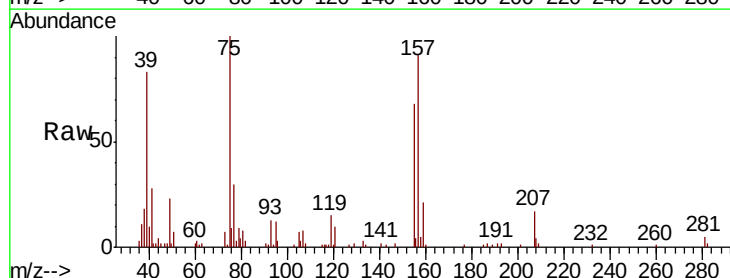
Tgt Ion: 75 Resp: 30412

Ion Ratio Lower Upper

75 100

155 71.4 37.9 113.6

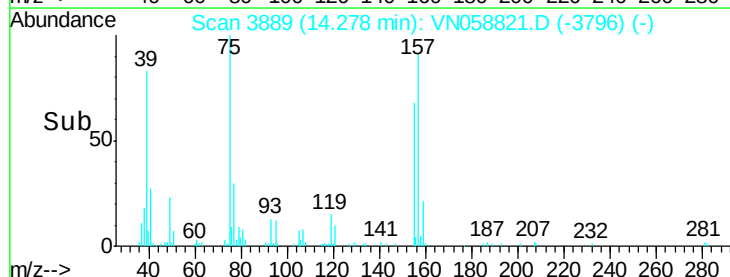
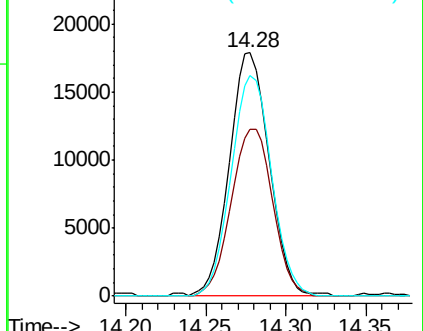
157 91.8 49.4 148.2

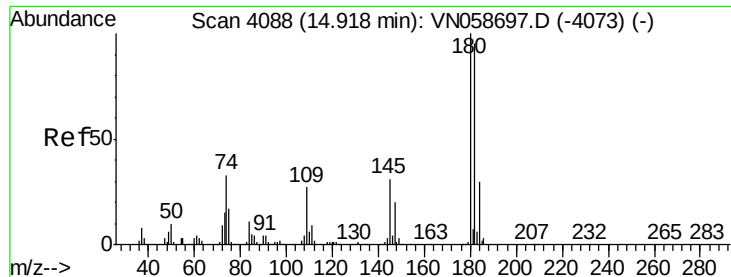


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

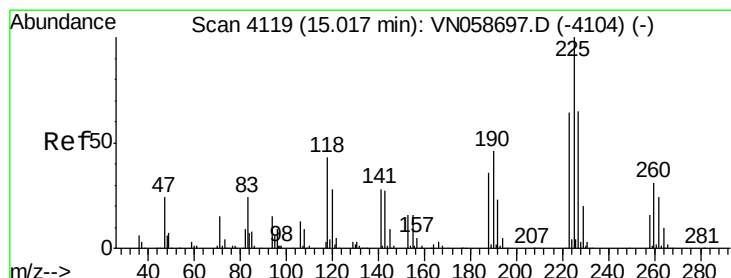
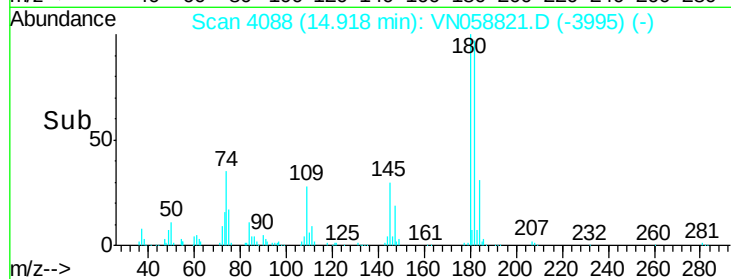
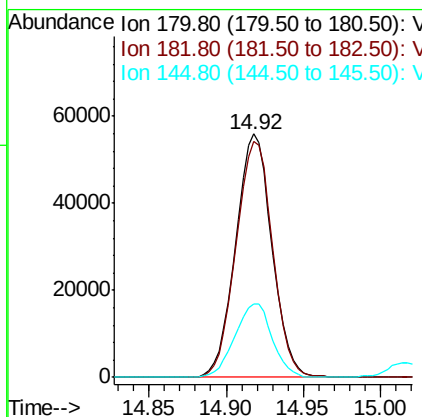
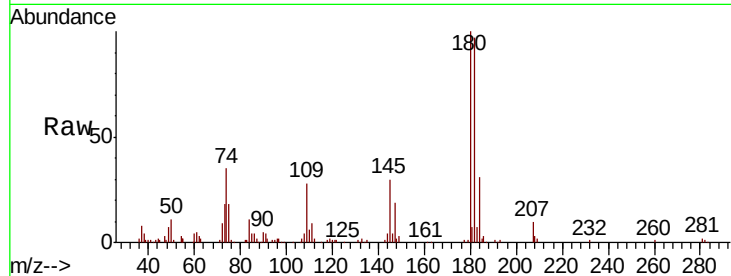




#93
 1,2,4-Trichlorobenzene
 Concen: 18.382 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

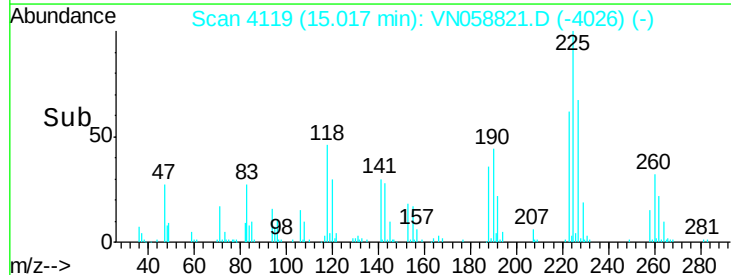
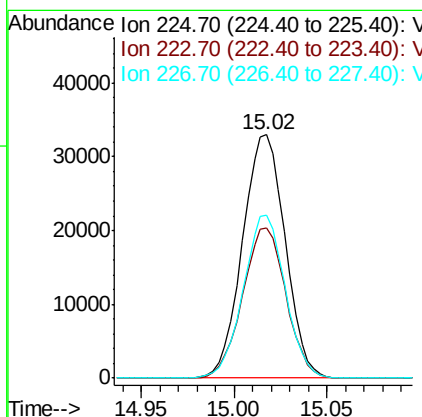
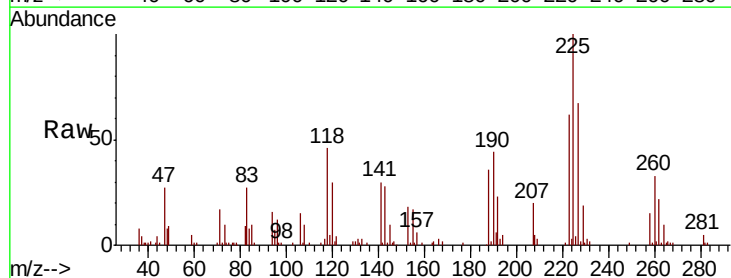
Instrument :
 MSVOA_N
 ClientSampleId :

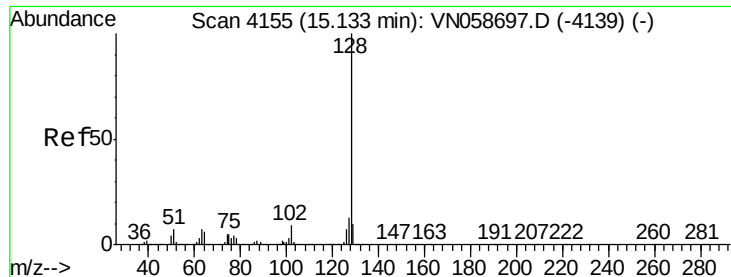
Tot Ion:180 Resp: 90930
 Ion Ratio Lower Upper
 180 100
 182 98.3 47.4 142.2
 145 31.1 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 20.311 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058821.D
 Acq: 17 Oct 2019 12:56

Tgt Ion:225 Resp: 52910
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.3 96.8
 227 65.6 32.4 97.0





#95

Naphthalene

Concen: 18.734 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

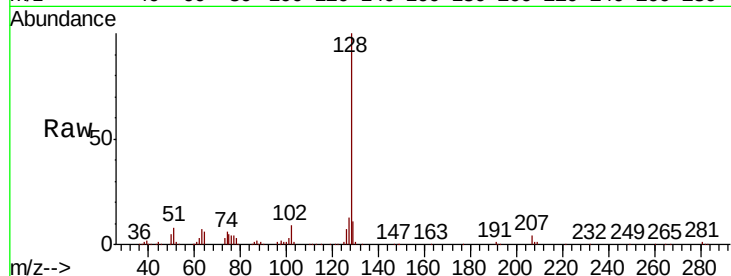
Tot Ion:128 Resp: 266338

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

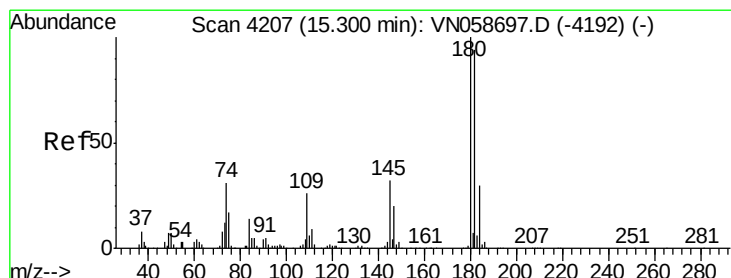
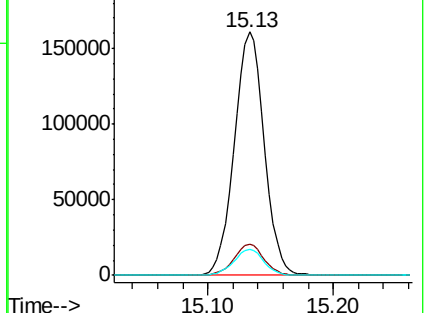
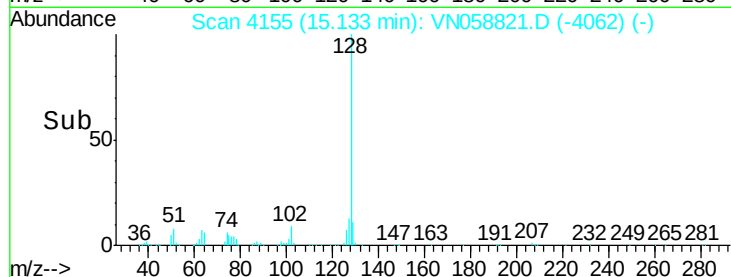
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.819 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058821.D

Acq: 17 Oct 2019 12:56

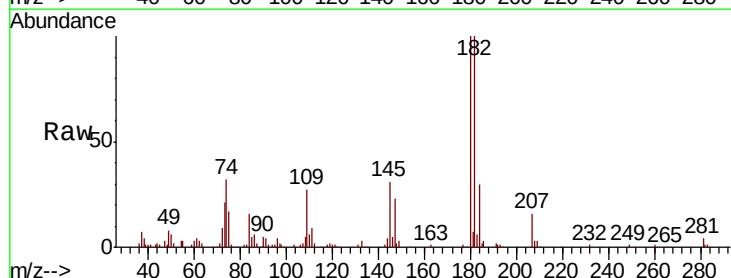
Tgt Ion:180 Resp: 90886

Ion Ratio Lower Upper

180 100

182 98.3 47.3 142.0

145 33.4 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

