

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058849.D
 Acq On : 18 Oct 2019 11:27
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 00:19:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	442239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	715611	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	664291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324598	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	317801	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
35) Dibromofluoromethane	7.57	113	228234	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	10.09	98	902680	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	333411	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	265415	48.136	ug/l	98
3) Chloromethane	2.04	50	316533	46.352	ug/l	100
4) Vinyl Chloride	2.17	62	327878	48.356	ug/l	99
5) Bromomethane	2.54	94	203746	47.985	ug/l	95
6) Chloroethane	2.68	64	203987	46.913	ug/l	99
7) Trichlorofluoromethane	3.00	101	393989	46.961	ug/l	99
8) Diethyl Ether	3.39	74	145263	50.104	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	220183	47.340	ug/l	100
10) Methyl Iodide	3.93	142	300845	49.180	ug/l	99
11) Tert butyl alcohol	4.75	59	255691	237.555	ug/l	100
12) 1,1-Dichloroethene	3.72	96	213328	48.933	ug/l	98
13) Acrolein	3.58	56	202142	273.326	ug/l	99
14) Allyl chloride	4.30	41	439969	49.873	ug/l	100
15) Acrylonitrile	4.96	53	673278	248.676	ug/l	100
16) Acetone	3.79	43	782096	244.019	ug/l	100
17) Carbon Disulfide	4.03	76	675166	48.076	ug/l	99
18) Methyl Acetate	4.30	43	337185	46.274	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	782685	51.271	ug/l	99
20) Methylene Chloride	4.53	84	252503	46.138	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	236987	49.222	ug/l	96
22) Diisopropyl ether	5.93	45	874863	50.701	ug/l	96
23) Vinyl Acetate	5.87	43	3800113	274.111	ug/l	99
24) 1,1-Dichloroethane	5.82	63	481555	48.129	ug/l	100
25) 2-Butanone	6.81	43	1035597	248.911	ug/l	100
26) 2,2-Dichloropropane	6.80	77	428300	49.489	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	274053	49.828	ug/l	99
28) Bromochloromethane	7.17	49	161758	48.544	ug/l	98
29) Tetrahydrofuran	7.19	42	646675	254.084	ug/l	100
30) Chloroform	7.35	83	473960	47.224	ug/l	99
31) Cyclohexane	7.63	56	450600	48.342	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	414703	49.021	ug/l	99
36) 1,1-Dichloropropene	7.78	75	368910	50.354	ug/l	99
37) Ethyl Acetate	6.91	43	403654	50.565	ug/l	100
38) Carbon Tetrachloride	7.76	117	367999	48.757	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	428130	52.043	ug/l	99
40) Benzene	8.02	78	1062988	49.410	ug/l	99
41) Methacrylonitrile	7.19	41	586644	164.999	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	396341	47.825	ug/l	100
43) Isopropyl Acetate	8.15	43	645480	50.417	ug/l	100
44) Trichloroethene	8.82	130	257223	49.082	ug/l	100
45) 1,2-Dichloropropane	9.11	63	291547	49.420	ug/l	98
46) Dibromomethane	9.20	93	183420	49.181	ug/l	98
47) Bromodichloromethane	9.39	83	378462	49.236	ug/l	100
48) Methyl methacrylate	9.19	41	302484	52.074	ug/l	100
49) 1,4-Dioxane	9.19	88	91592	960.546	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2027371	271.108	ug/l	99
52) Toluene	10.15	92	653119	51.193	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	440417	51.757	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	461787	50.796	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	253821	48.295	ug/l	99
56) Ethyl methacrylate	10.43	69	420576	47.738	ug/l	99
57) 1,3-Dichloropropane	10.70	76	454596	49.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	896601	240.720	ug/l	100
59) 2-Hexanone	10.75	43	1558960	269.784	ug/l	99
60) Dibromochloromethane	10.90	129	281283	49.723	ug/l	100
61) 1,2-Dibromoethane	11.00	107	266838	49.611	ug/l	100
64) Tetrachloroethene	10.63	164	227139	48.823	ug/l	99
65) Chlorobenzene	11.43	112	683353	50.529	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	255700	50.104	ug/l	99
67) Ethyl Benzene	11.51	91	1269404	53.506	ug/l	99
68) m/p-Xylenes	11.62	106	944227	107.322	ug/l	99
69) o-Xylene	11.95	106	446757	53.242	ug/l	99
70) Styrene	11.96	104	756894	48.906	ug/l	99
71) Bromoform	12.13	173	201497	50.916	ug/l #	97
73) Isopropylbenzene	12.25	105	1227540	51.747	ug/l	100
74) N-amyl acetate	12.07	43	580147	53.944	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	401996	48.194	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	542010	72.048	ug/l #	100
77) Bromobenzene	12.53	156	284776	48.704	ug/l	100
78) n-propylbenzene	12.59	91	1465081	52.249	ug/l	100
79) 2-Chlorotoluene	12.68	91	850916	49.582	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1047352	52.549	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	145936	50.536	ug/l	98
82) 4-Chlorotoluene	12.78	91	885262	50.476	ug/l	100
83) tert-Butylbenzene	13.00	119	885103	51.932	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1056921	53.764	ug/l	100
85) sec-Butylbenzene	13.18	105	1206843	53.110	ug/l	99
86) p-Isopropyltoluene	13.29	119	1087553	54.242	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	521826	49.912	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	516741	49.366	ug/l	99
89) n-Butylbenzene	13.62	91	1000722	54.334	ug/l	100
90) Hexachloroethane	13.88	117	195016	48.000	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	515212	50.138	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	87750	46.512	ug/l	98

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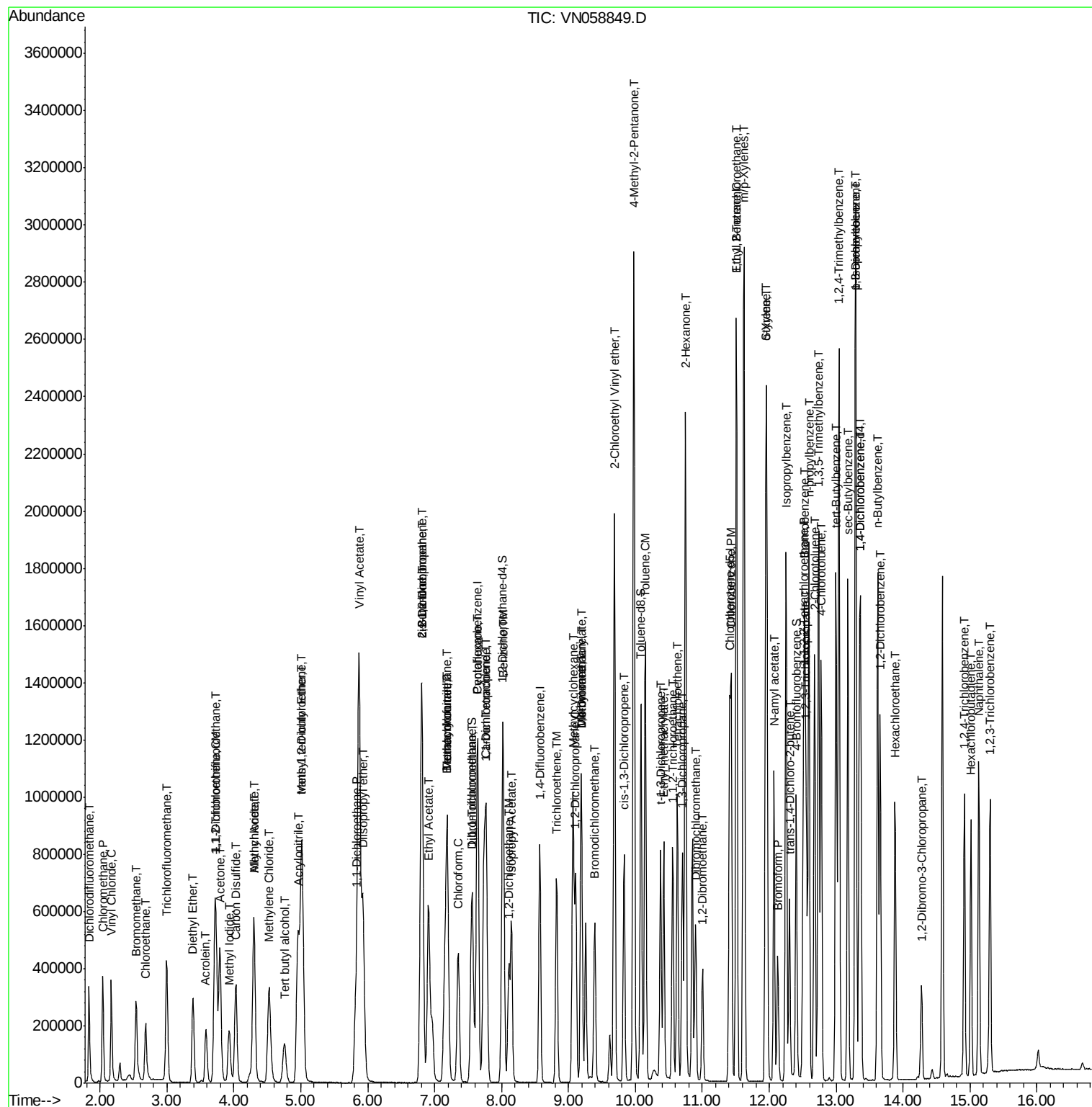
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	304937	47.283	ug/l	99
94) Hexachlorobutadiene	15.01	225	163660	49.138	ug/l	100
95) Naphthalene	15.13	128	872351	47.056	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	293287	46.735	ug/l	99

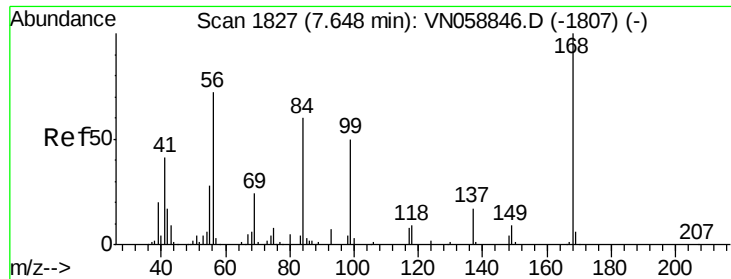
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

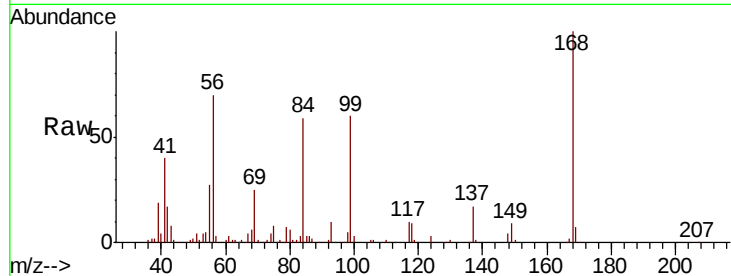
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 442239

Ion Ratio Lower Upper

168 100

99 60.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

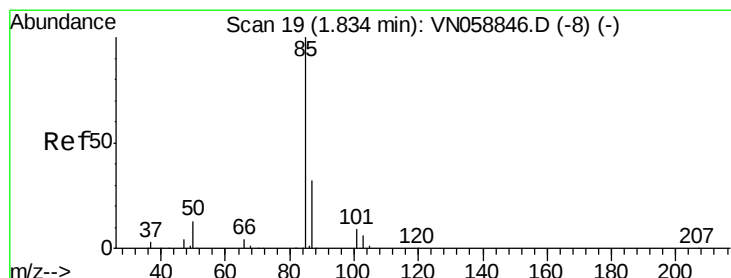
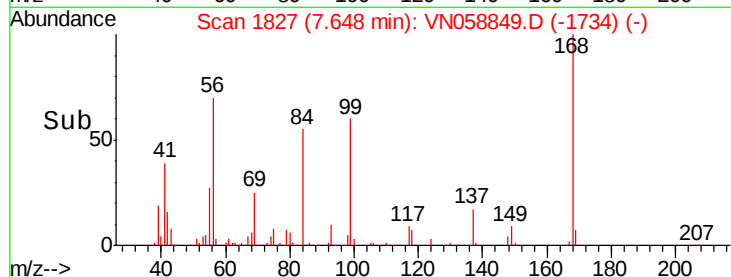
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.136 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058849.D

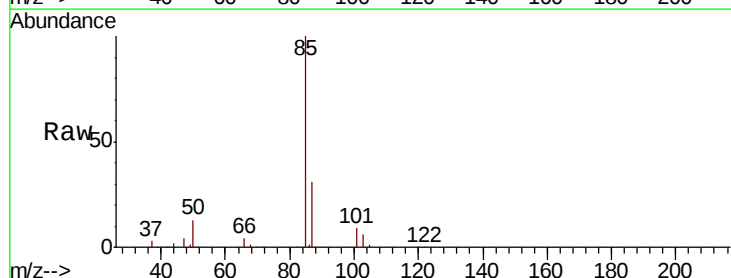
Acq: 18 Oct 2019 11:27

Tgt Ion: 85 Resp: 265415

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

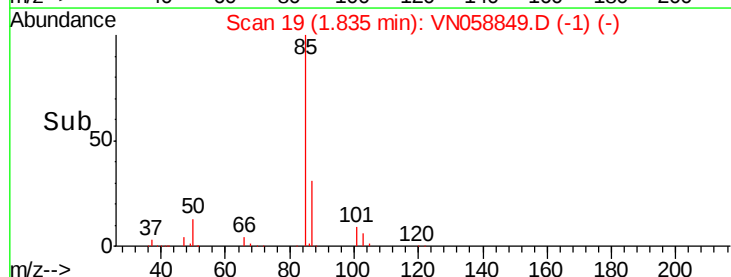
100000

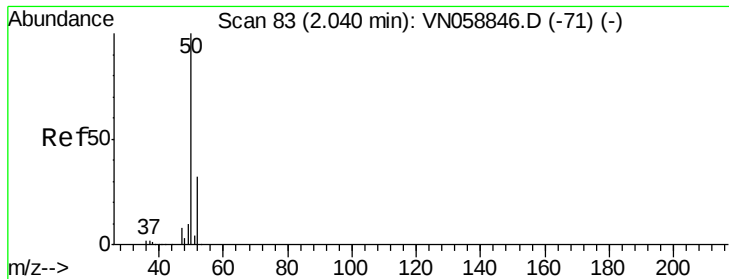
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.352 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

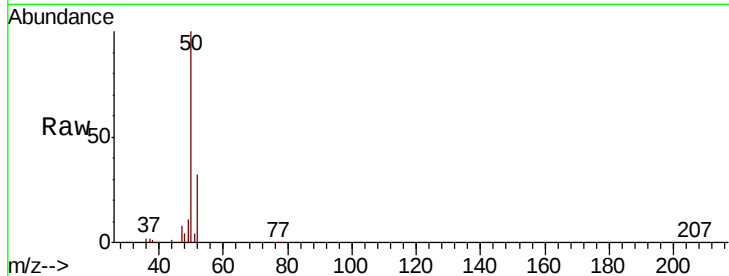
ClientSampled :

Tot Ion: 50 Resp: 316533

Ion Ratio Lower Upper

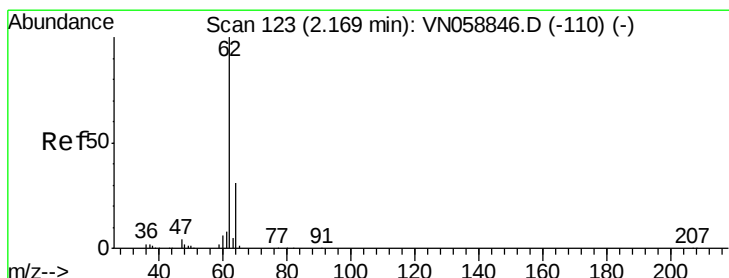
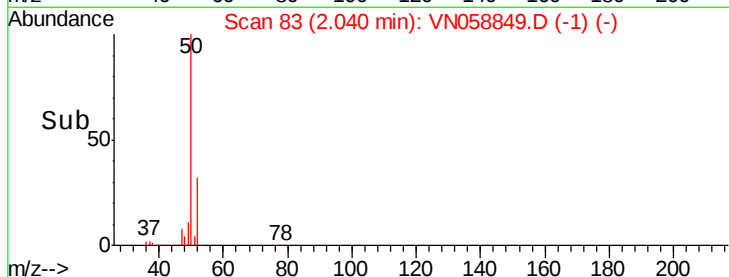
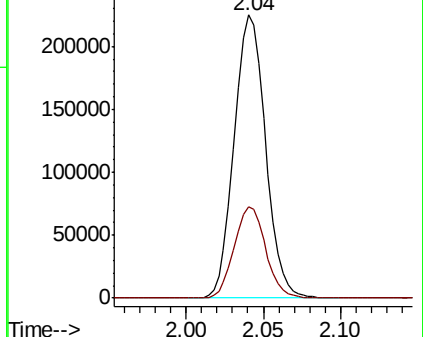
50 100

52 32.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN058846.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN058846.D (-71) (-)



#4

Vinyl Chloride

Concen: 48.356 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058849.D

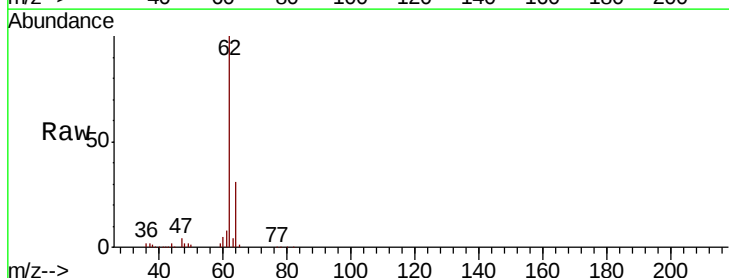
Acq: 18 Oct 2019 11:27

Tgt Ion: 62 Resp: 327878

Ion Ratio Lower Upper

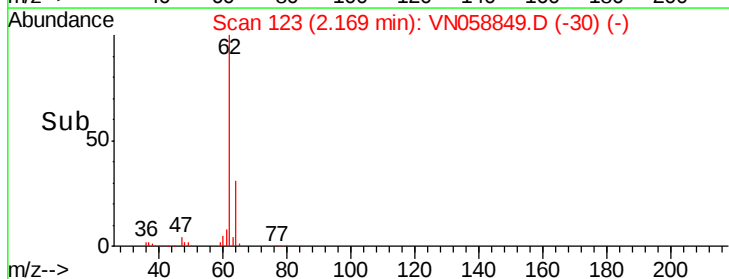
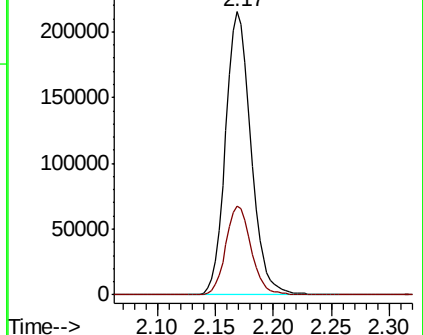
62 100

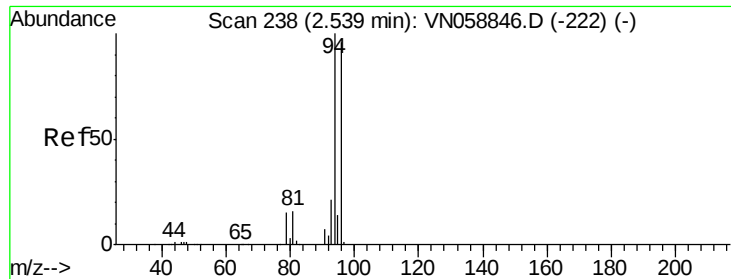
64 31.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VN058846.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN058846.D (-110) (-)





#5

Bromomethane

Concen: 47.985 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

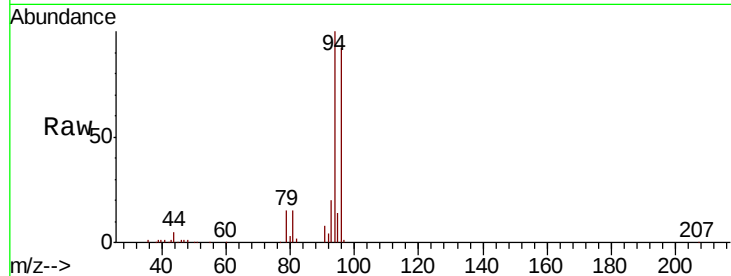
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 203746

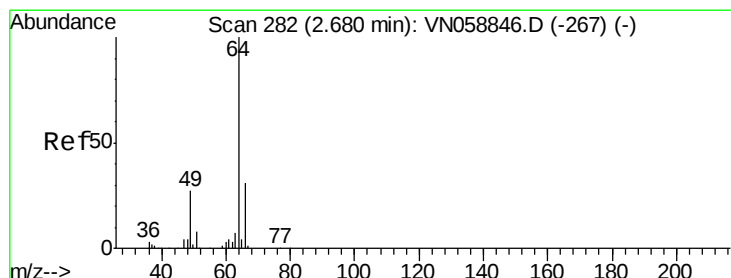
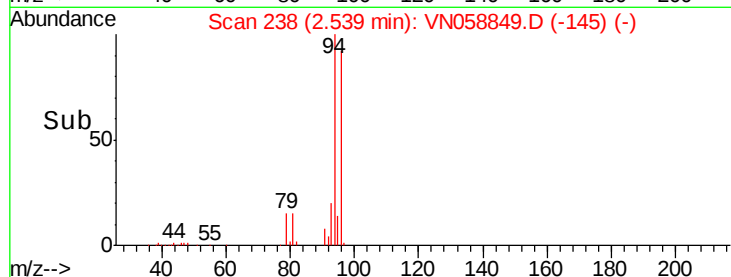
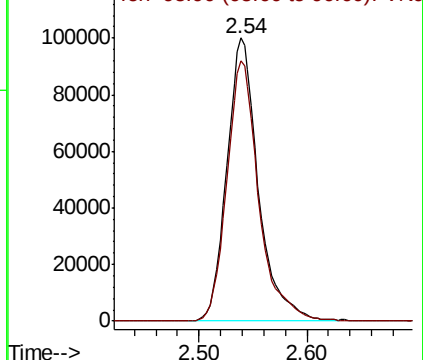
Ion Ratio Lower Upper

94 100

96 91.8 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VNC
Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 46.913 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058849.D

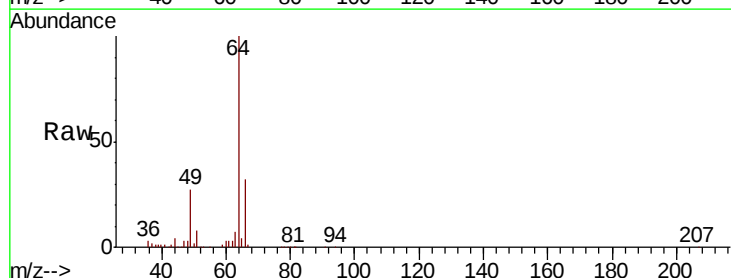
Acq: 18 Oct 2019 11:27

Tgt Ion: 64 Resp: 203987

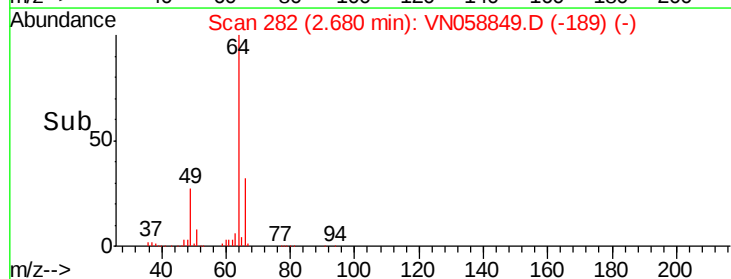
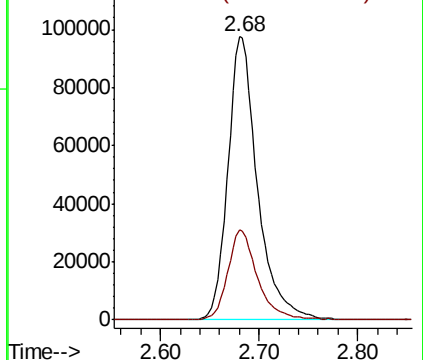
Ion Ratio Lower Upper

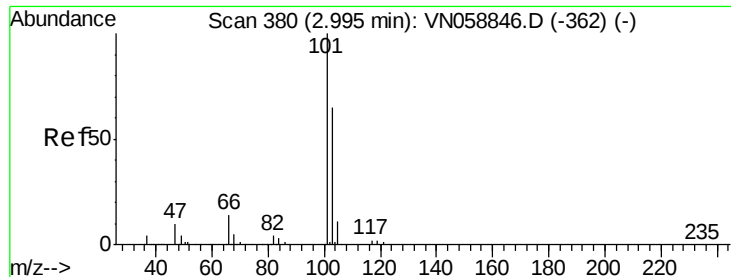
64 100

66 31.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNC
Ion 65.90 (65.60 to 66.60): VNC



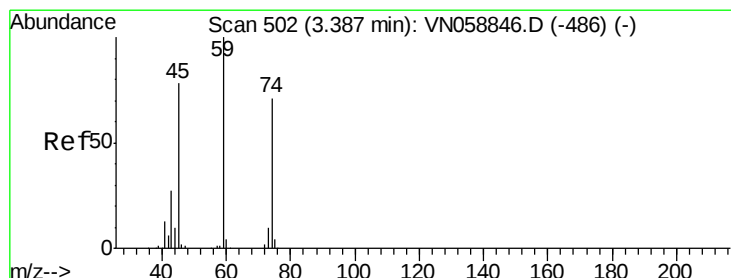
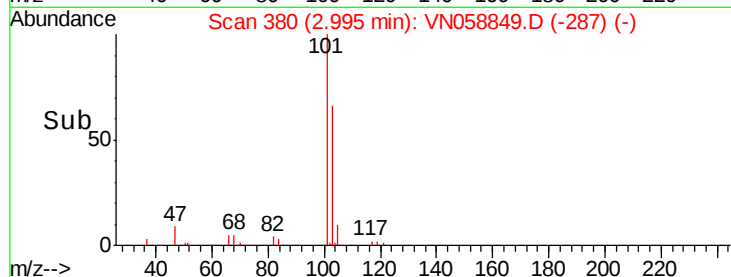
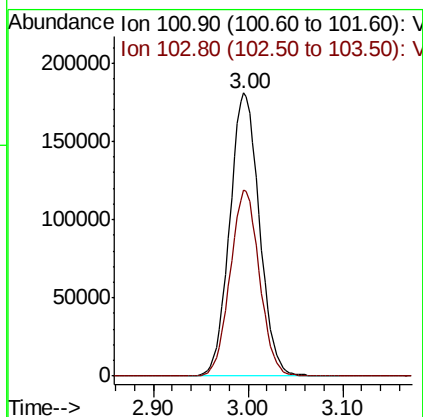
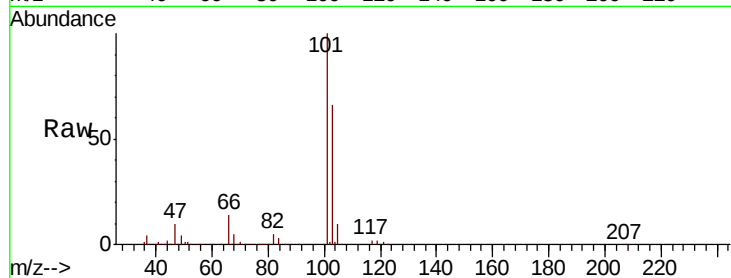


#7

Trichlorofluoromethane
Concen: 46.961 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampled :

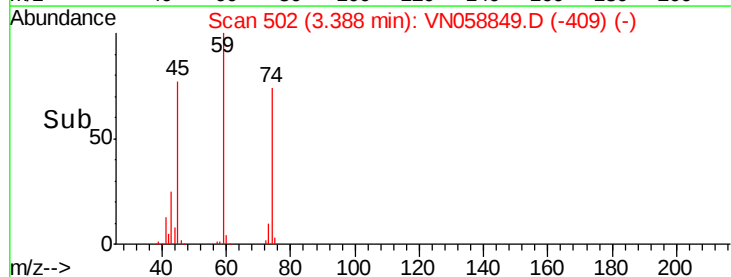
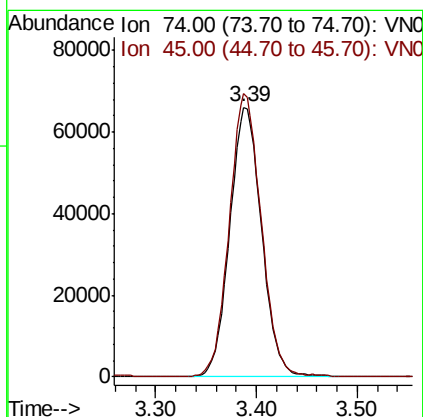
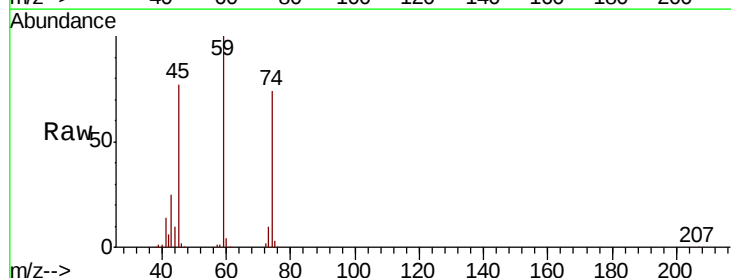
Tot Ion:101 Resp: 393989
Ion Ratio Lower Upper
101 100
103 65.7 52.2 78.2

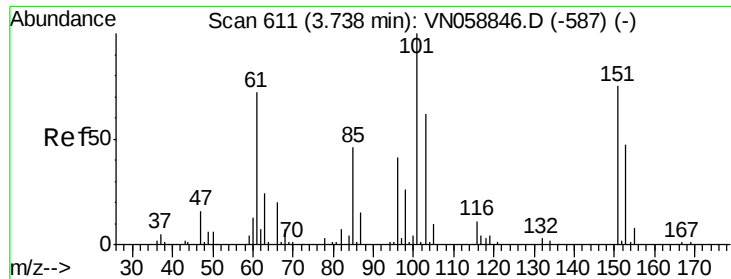


#8

Diethyl Ether
Concen: 50.104 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion: 74 Resp: 145263
Ion Ratio Lower Upper
74 100
45 105.1 54.9 164.5

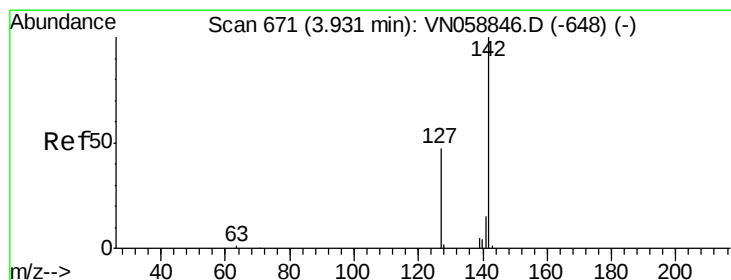
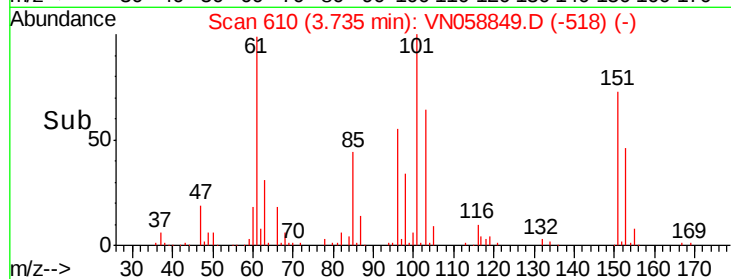
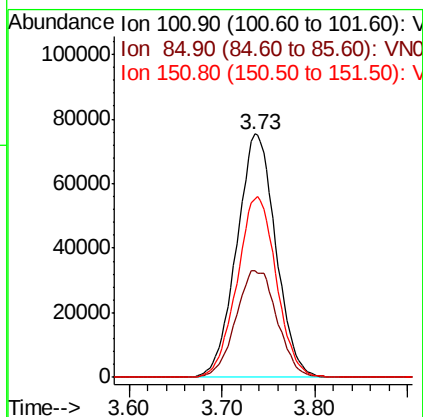
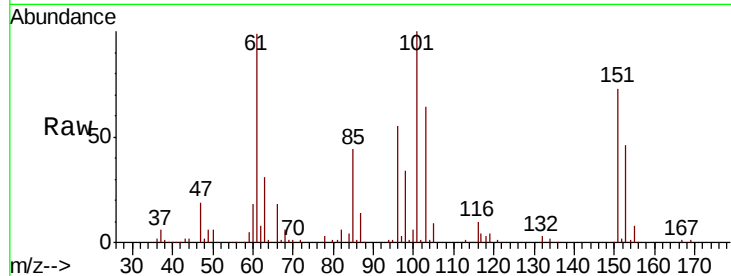




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.340 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

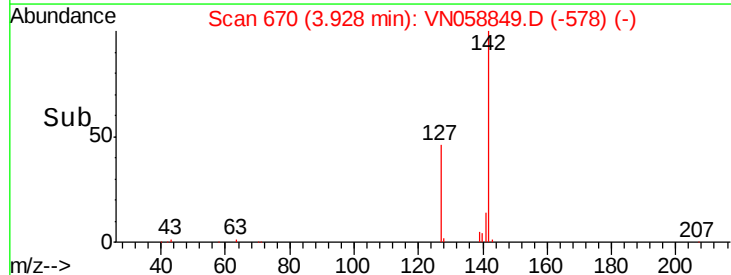
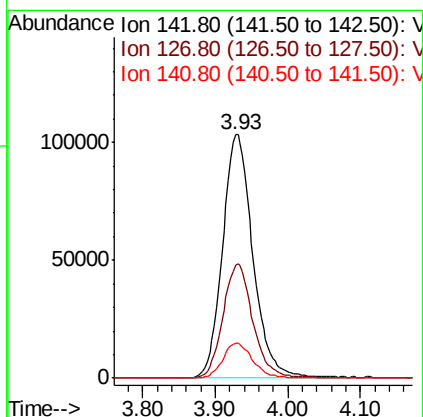
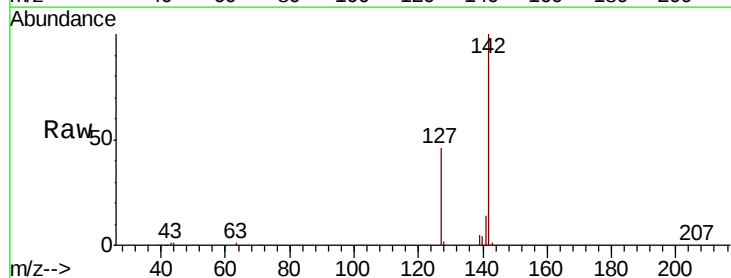
Instrument :
 MSVOA_N
 ClientSampled :

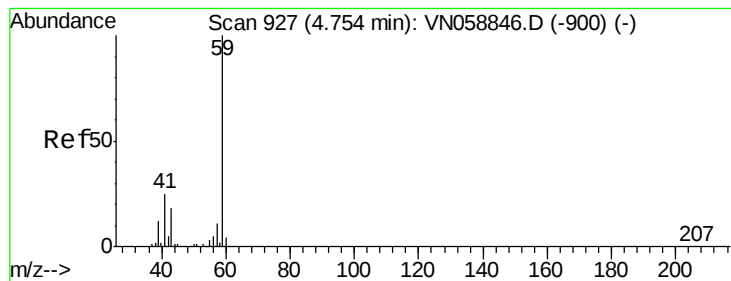
Tot Ion	Ratio	Lower	Upper
101	100		
85	46.3	37.2	55.8
151	74.7	59.9	89.9



#10
 Methyl Iodide
 Concen: 49.180 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.3	36.6	54.8
141	14.1	11.4	17.2





#11

Tert butyl alcohol

Concen: 237.555 ug/l

RT: 4.75 min Scan# 927

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

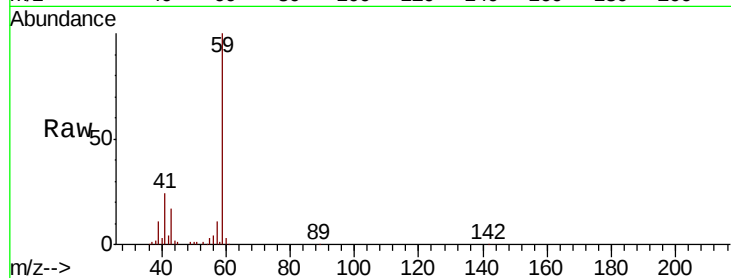
ClientSampled :

Tot Ion: 59 Resp: 255691

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.75

80000

60000

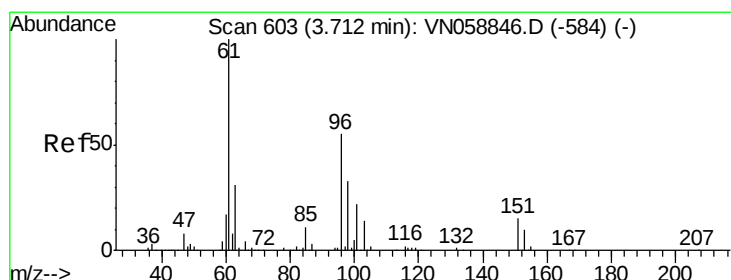
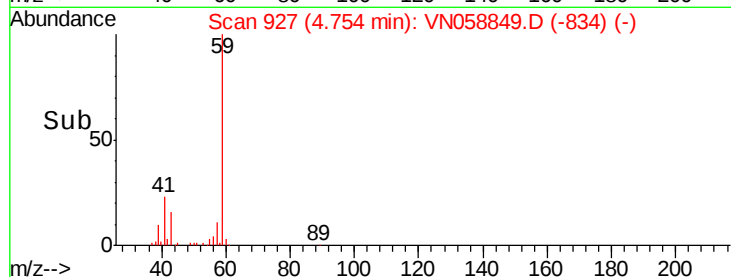
40000

20000

0

Time-->

4.60 4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 48.933 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

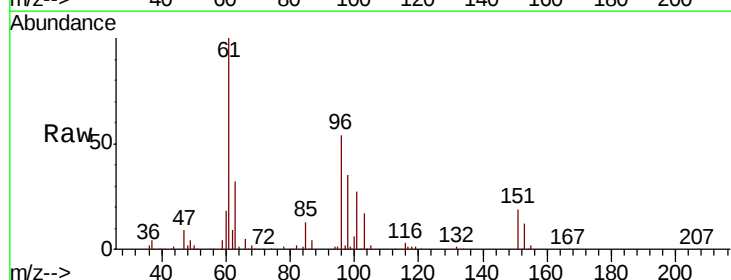
Tgt Ion: 96 Resp: 213328

Ion Ratio Lower Upper

96 100

61 184.0 146.2 219.2

98 64.1 48.7 73.1



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

200000

150000

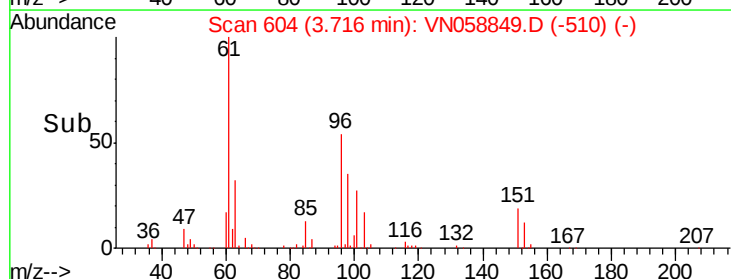
100000

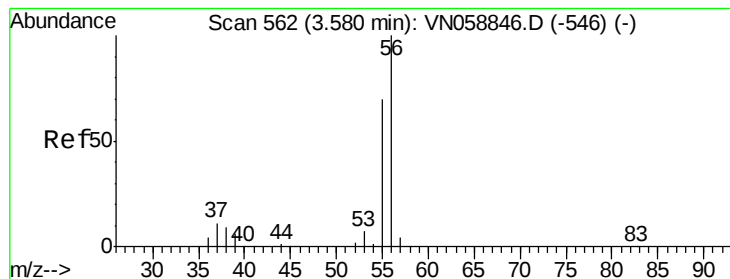
50000

0

Time-->

3.60 3.70 3.80





#13

Acrolein

Concen: 273.326 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

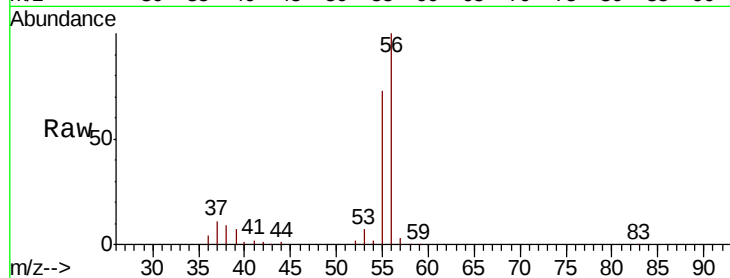
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 202142

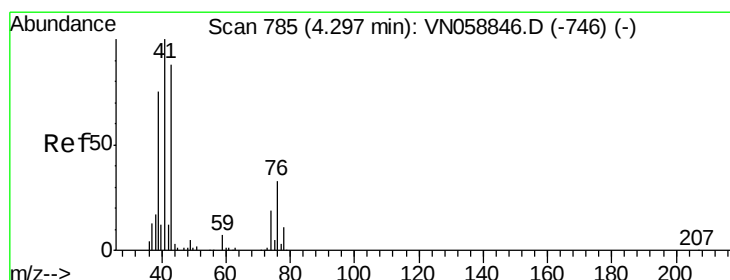
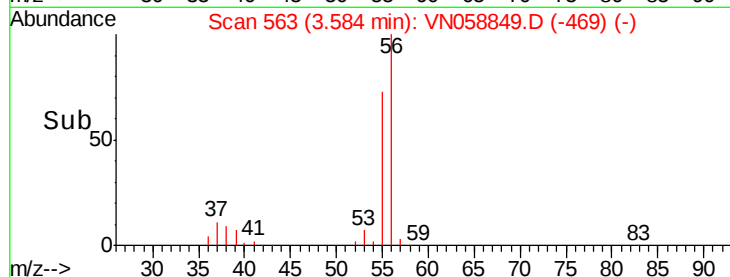
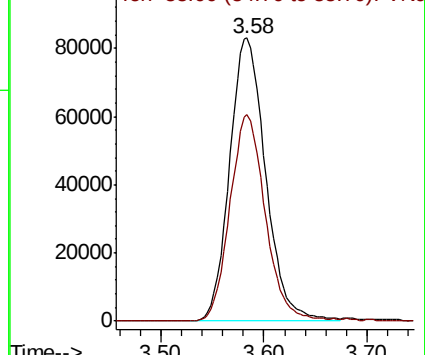
Ion Ratio Lower Upper

56 100

55 71.5 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 49.873 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

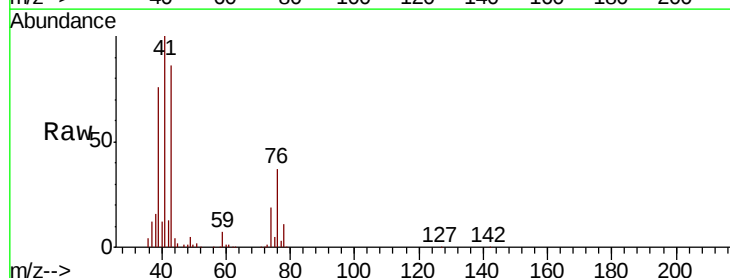
Tgt Ion: 41 Resp: 439969

Ion Ratio Lower Upper

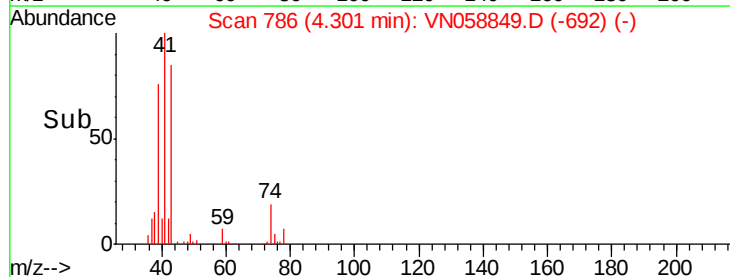
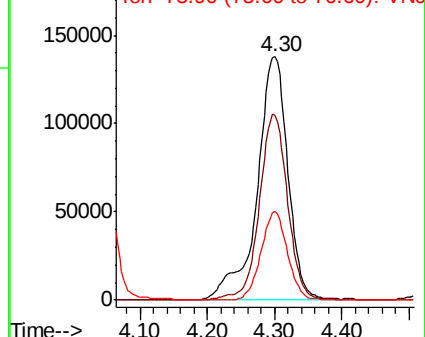
41 100

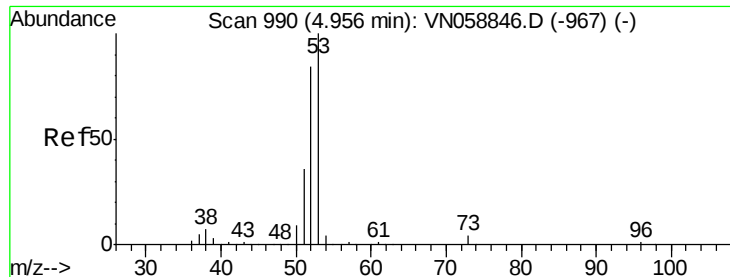
39 69.8 55.9 83.9

76 30.7 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 248.676 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

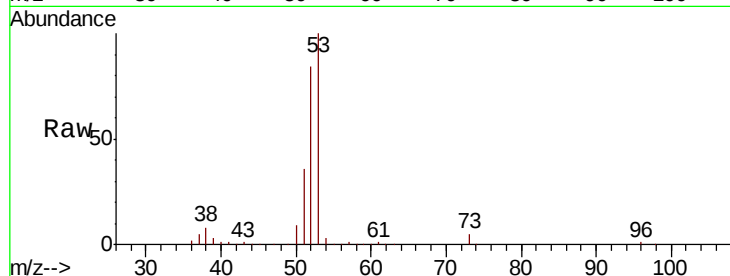
Tot Ion: 53 Resp: 673278

Ion Ratio Lower Upper

53 100

52 83.3 66.6 99.8

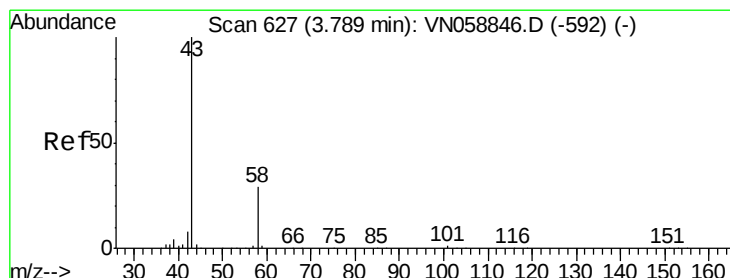
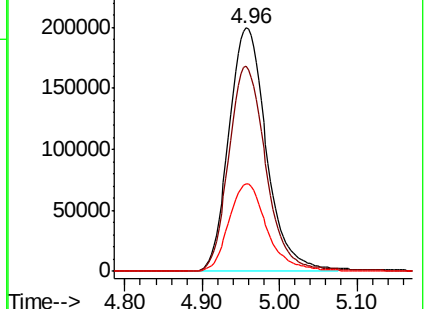
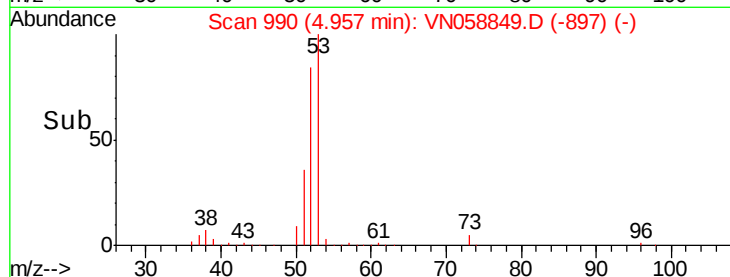
51 36.7 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058846.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058846.D (-967) (-)



#16

Acetone

Concen: 244.019 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN058849.D

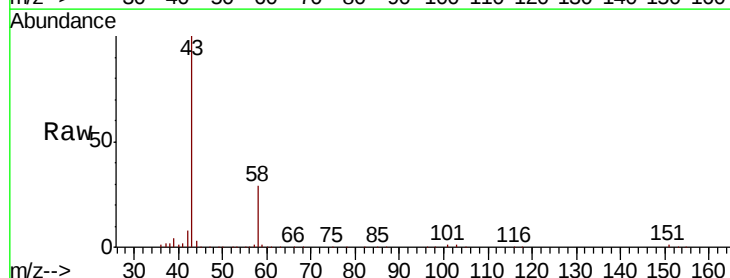
Acq: 18 Oct 2019 11:27

Tgt Ion: 43 Resp: 782096

Ion Ratio Lower Upper

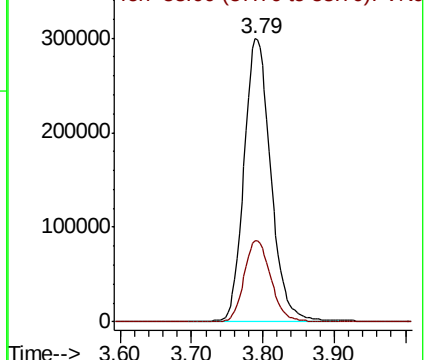
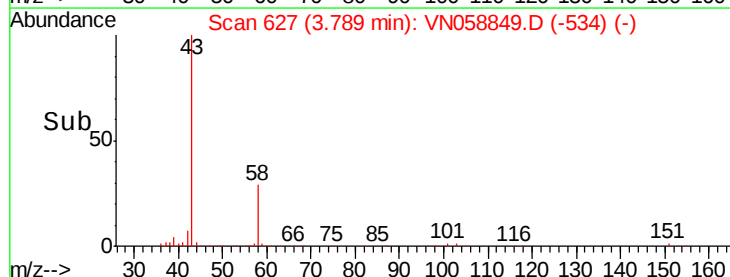
43 100

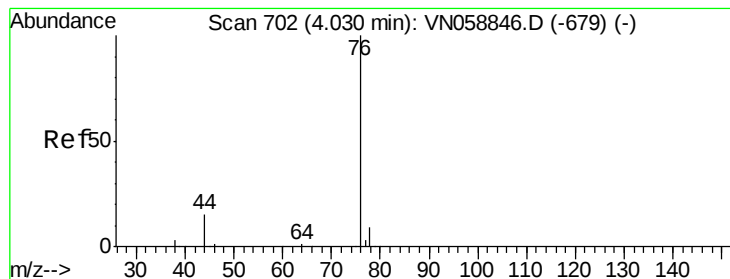
58 28.7 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)





#17

Carbon Disulfide

Concen: 48.076 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

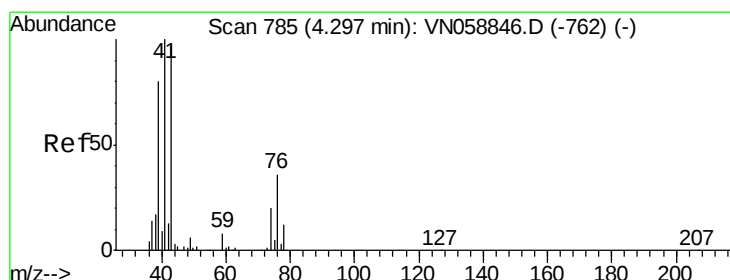
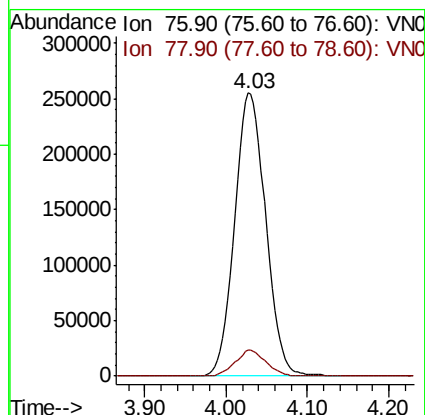
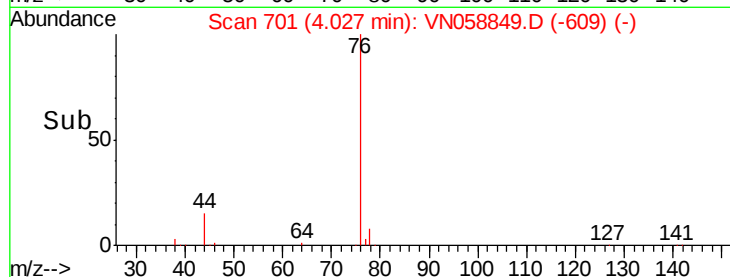
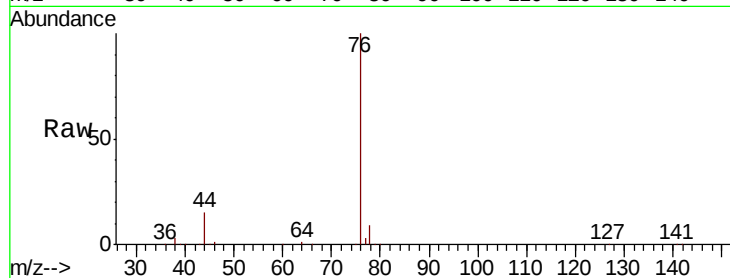
ClientSampleId :

Tot Ion: 76 Resp: 675166

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



#18

Methyl Acetate

Concen: 46.274 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058849.D

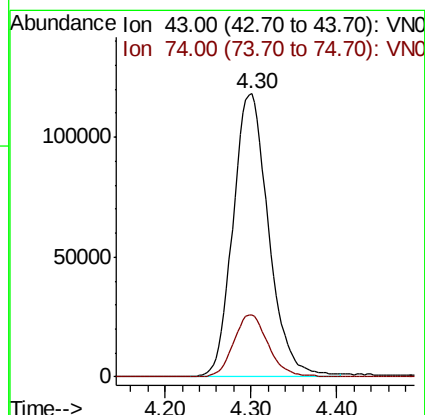
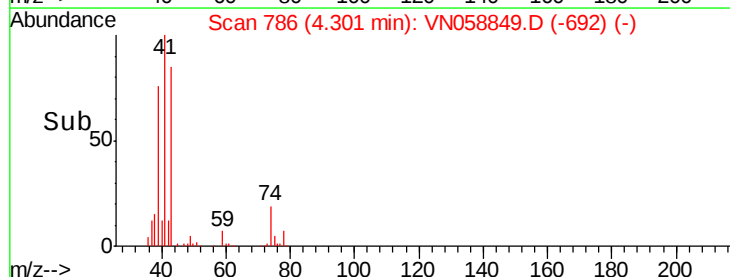
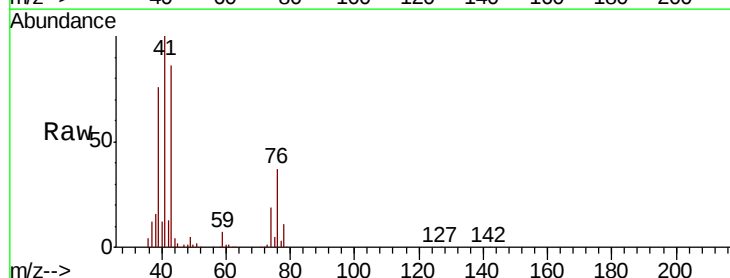
Acq: 18 Oct 2019 11:27

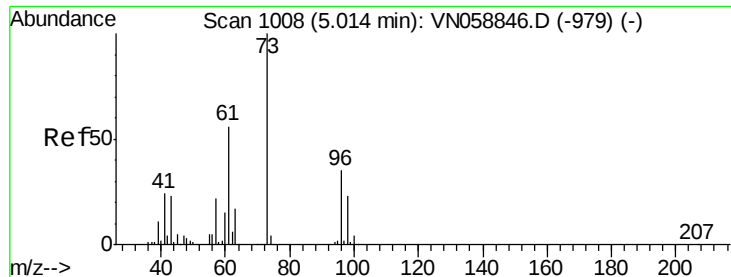
Tgt Ion: 43 Resp: 337185

Ion Ratio Lower Upper

43 100

74 21.7 17.1 25.7



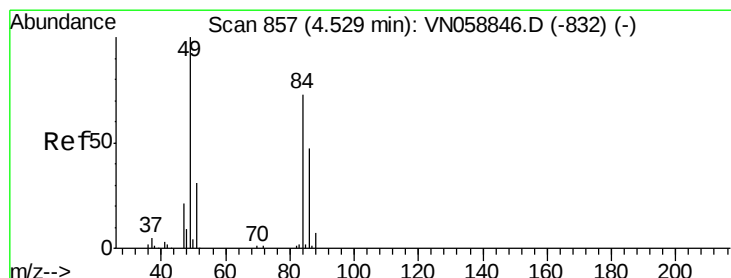
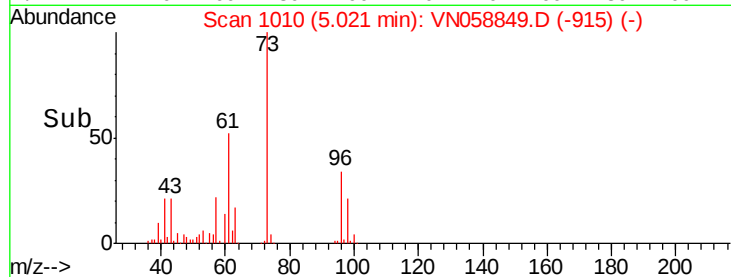
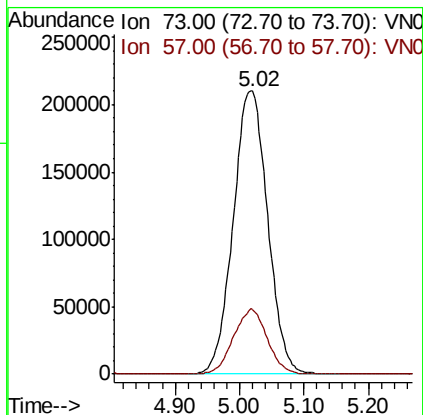
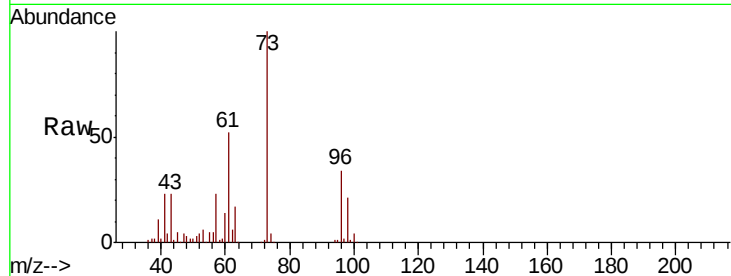


#19

Methyl tert-butyl Ether
 Concen: 51.271 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.01 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :

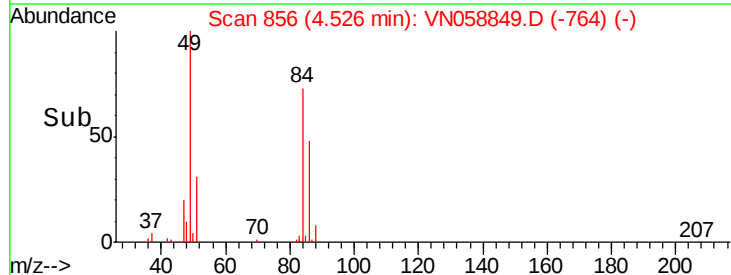
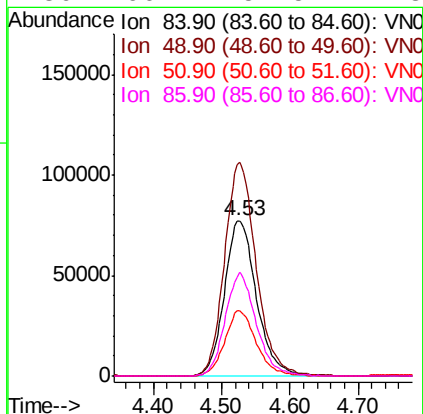
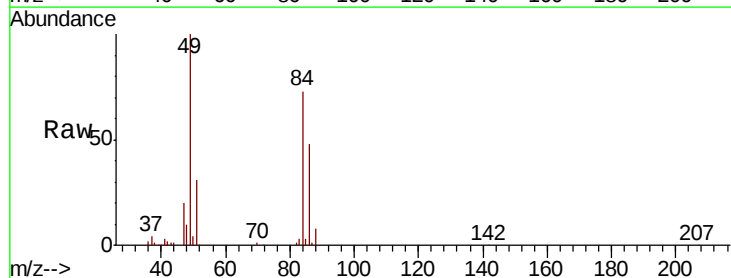
Tot Ion: 73 Resp: 782685
 Ion Ratio Lower Upper
 73 100
 57 22.7 17.9 26.9

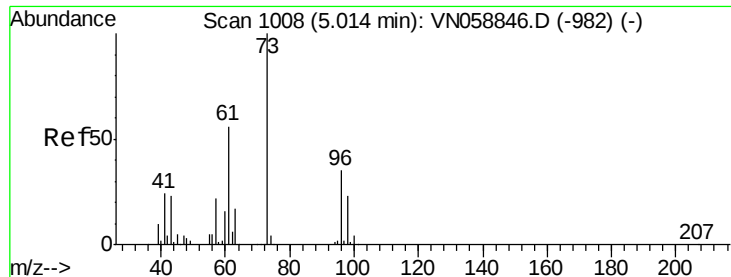


#20

Methylene Chloride
 Concen: 46.138 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Tgt Ion: 84 Resp: 252503
 Ion Ratio Lower Upper
 84 100
 49 137.5 109.6 164.4
 51 42.1 33.8 50.6
 86 66.4 51.5 77.3



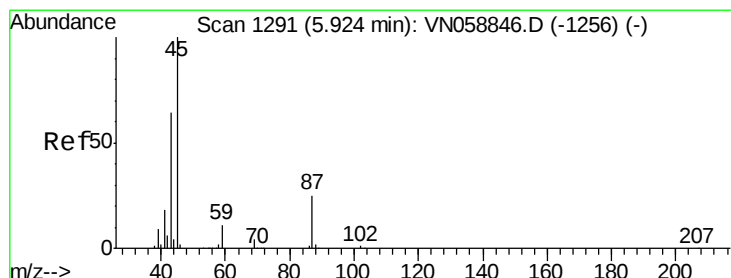
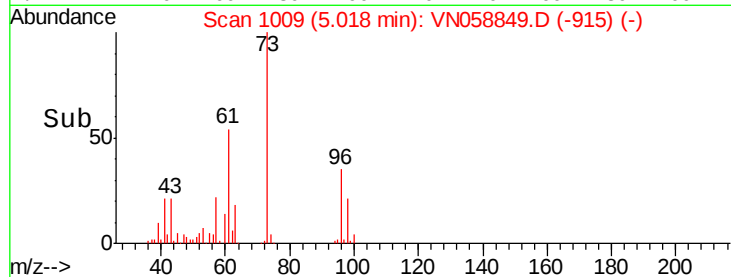
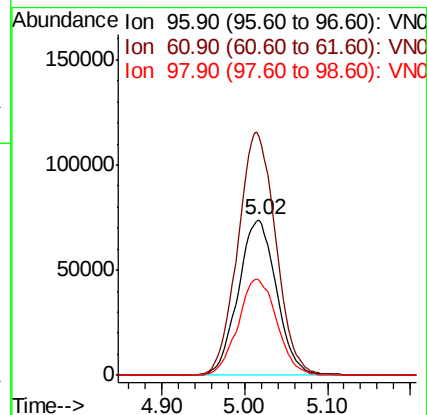
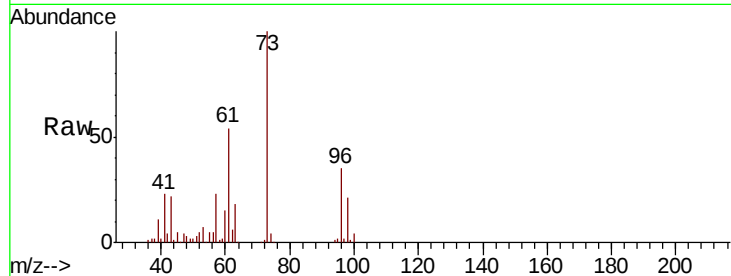


#21

trans-1,2-Dichloroethene
Concen: 49.222 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampled :

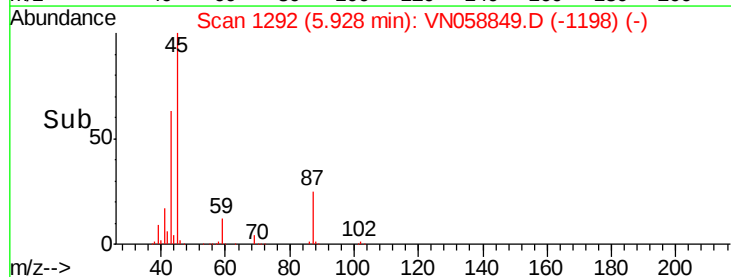
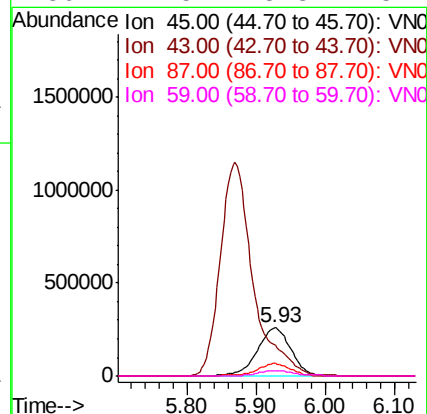
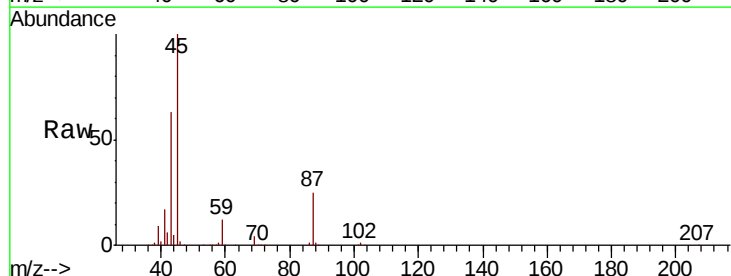
Tot Ion: 96 Resp: 236987
Ion Ratio Lower Upper
96 100
61 153.3 126.7 190.1
98 60.7 52.0 78.0

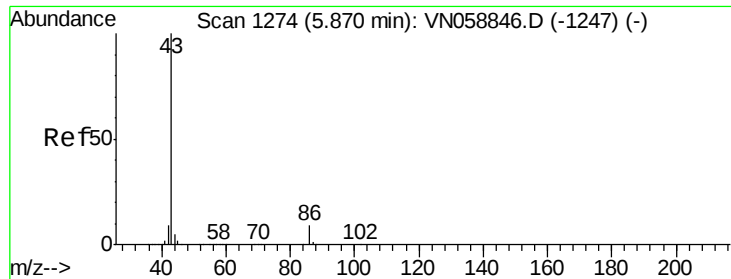


#22

Diisopropyl ether
Concen: 50.701 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion: 45 Resp: 874863
Ion Ratio Lower Upper
45 100
43 61.6 52.9 79.3
87 25.4 20.2 30.4
59 11.5 8.8 13.2





#23

Vinyl Acetate

Concen: 274.111 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

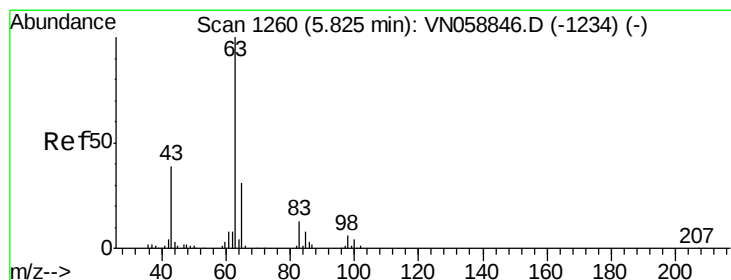
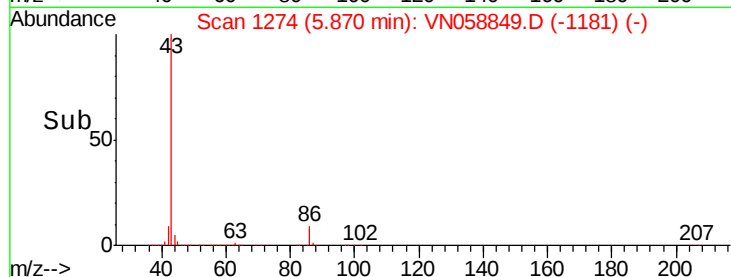
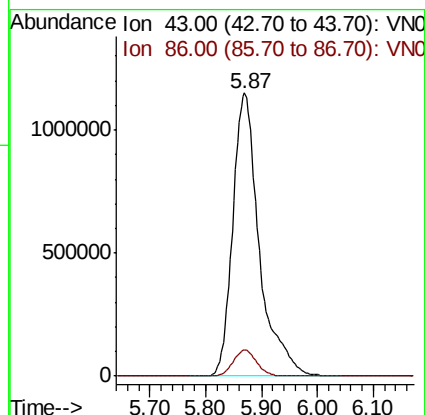
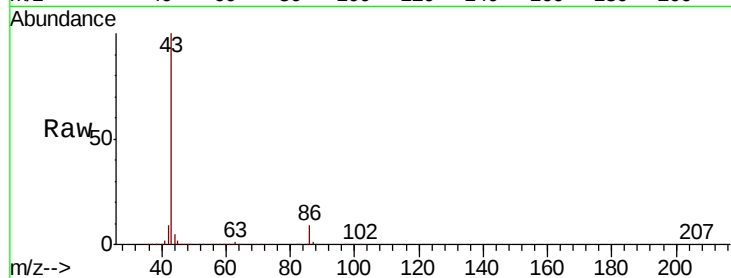
ClientSampleId :

Tot Ion: 43 Resp: 3800113

Ion Ratio Lower Upper

43 100

86 9.2 7.2 10.8



#24

1,1-Dichloroethane

Concen: 48.129 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

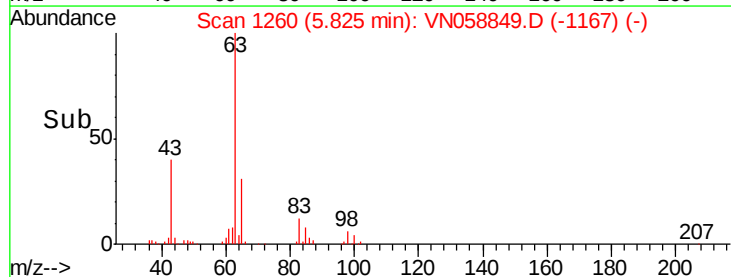
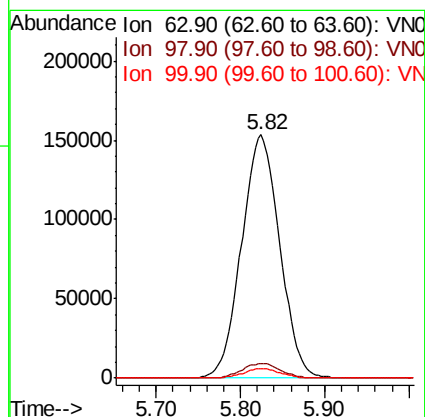
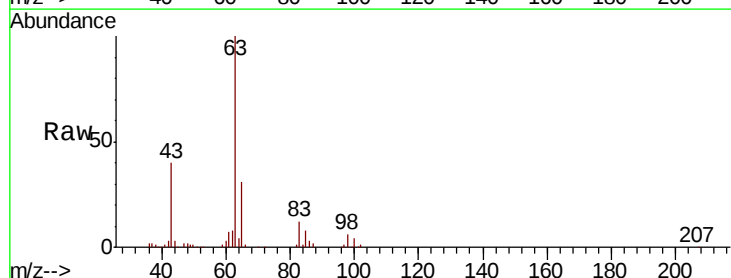
Tgt Ion: 63 Resp: 481555

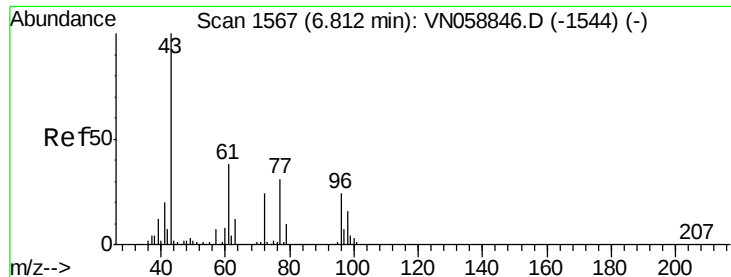
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 248.911 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

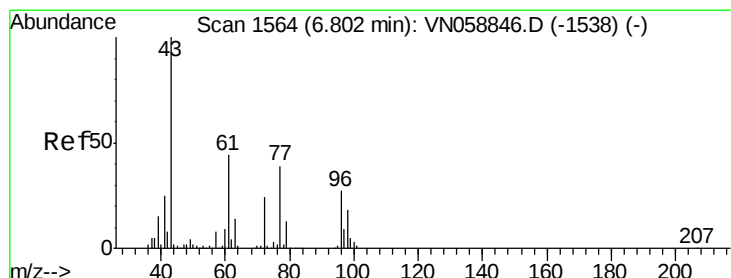
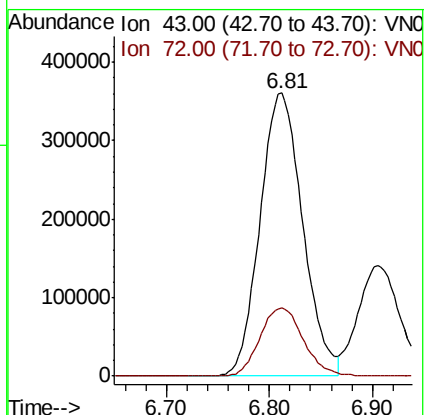
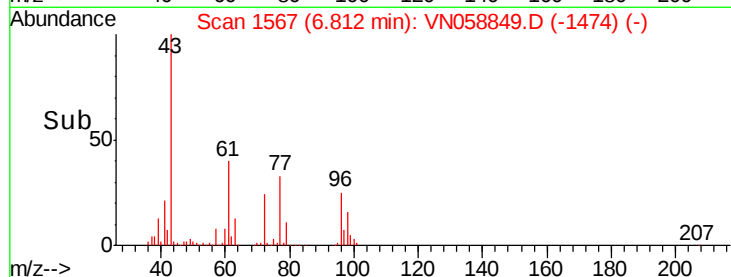
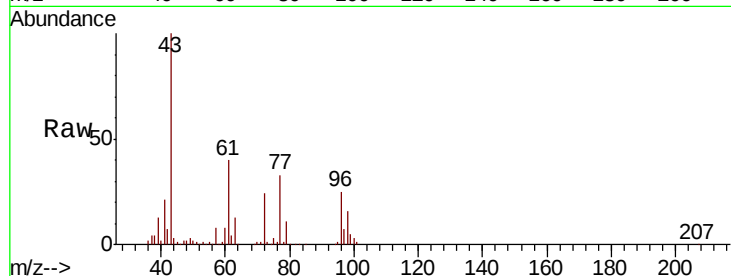
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1035597

Ion Ratio Lower Upper

43 100

72 24.0 19.1 28.7



#26

2,2-Dichloropropane

Concen: 49.489 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058849.D

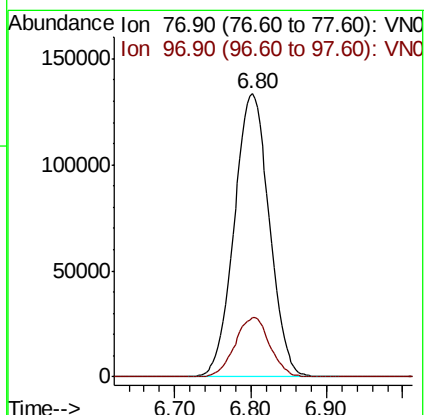
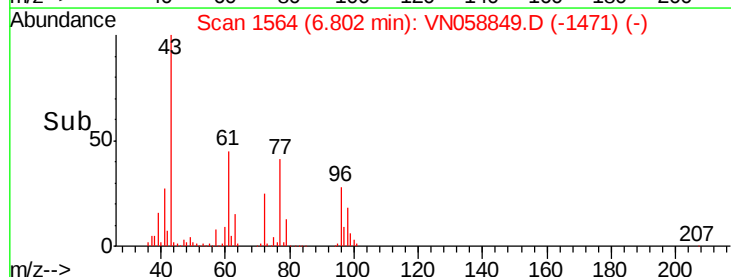
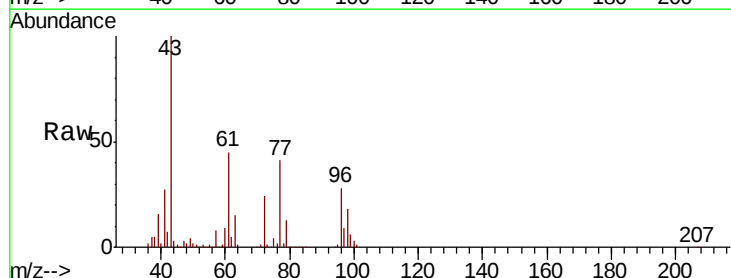
Acq: 18 Oct 2019 11:27

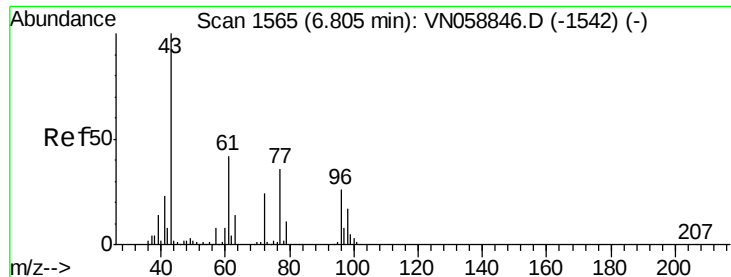
Tgt Ion: 77 Resp: 428300

Ion Ratio Lower Upper

77 100

97 20.9 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 49.828 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :

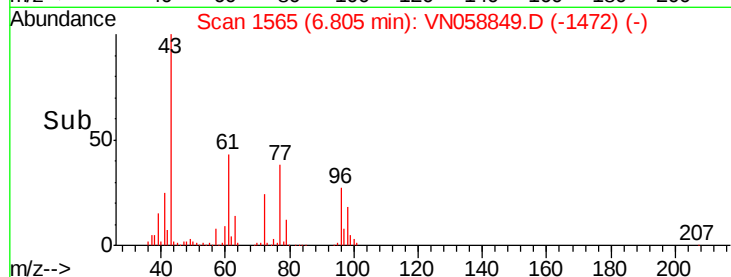
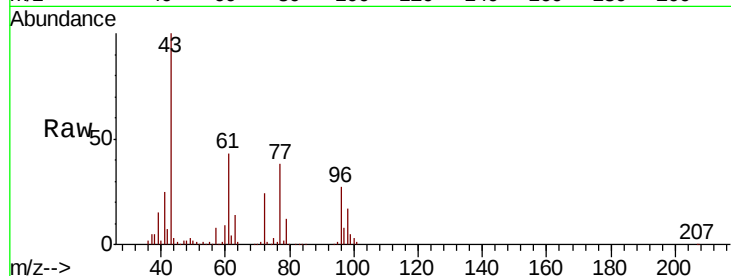
Tot Ion: 96 Resp: 274053

Ion Ratio Lower Upper

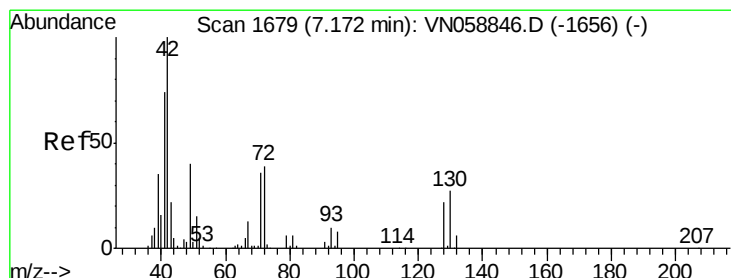
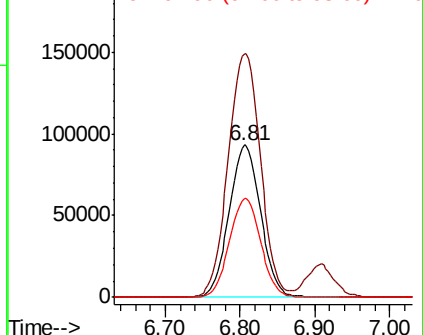
96 100

61 164.0 0.0 325.0

98 64.7 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.544 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

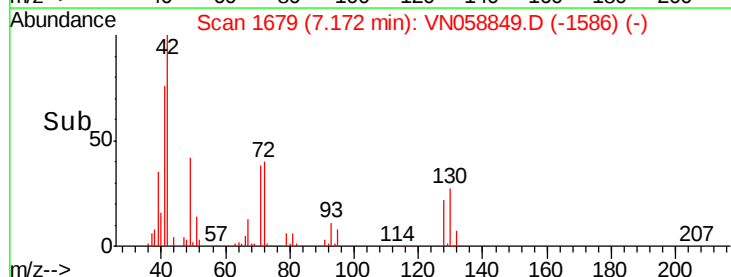
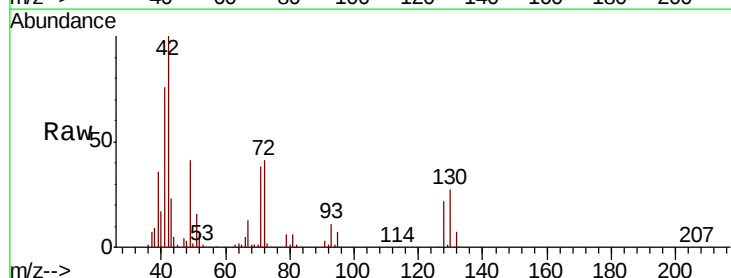
Tgt Ion: 49 Resp: 161758

Ion Ratio Lower Upper

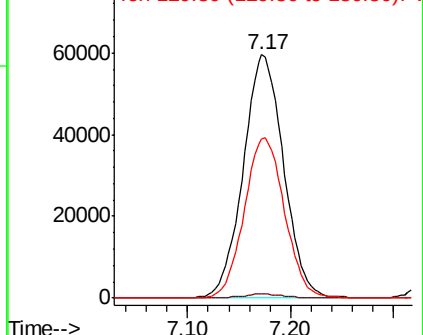
49 100

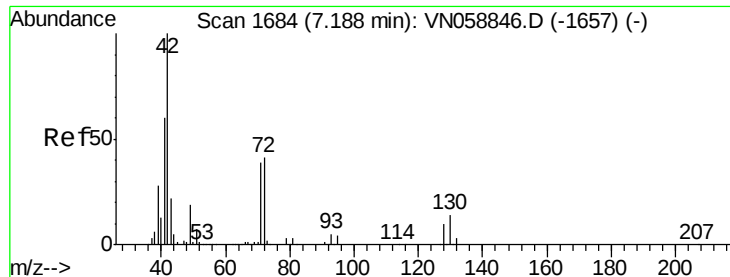
129 1.7 0.0 3.2

130 65.6 53.5 80.3



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 254.084 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampled :

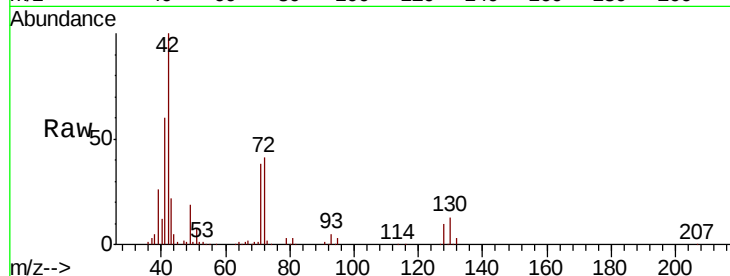
Tot Ion: 42 Resp: 646675

Ion Ratio Lower Upper

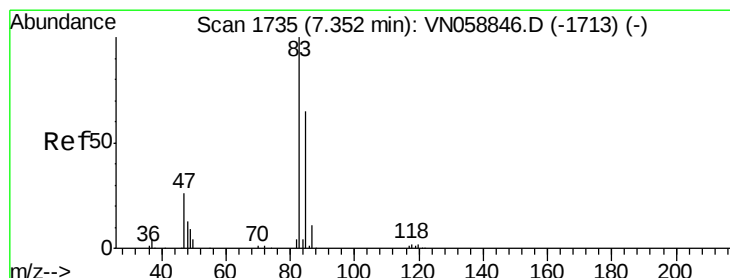
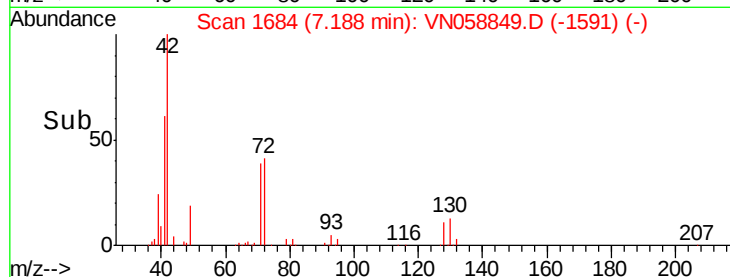
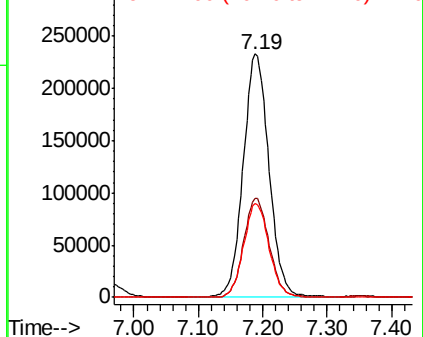
42 100

72 40.4 32.2 48.2

71 38.3 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 47.224 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058849.D

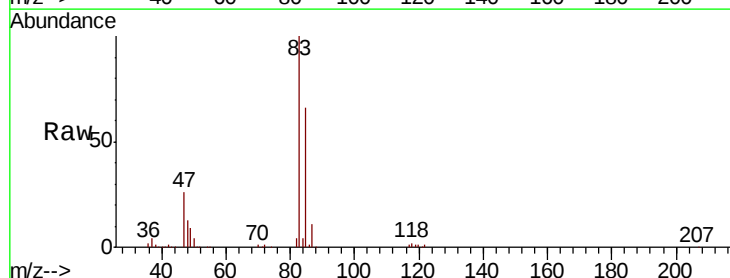
Acq: 18 Oct 2019 11:27

Tgt Ion: 83 Resp: 473960

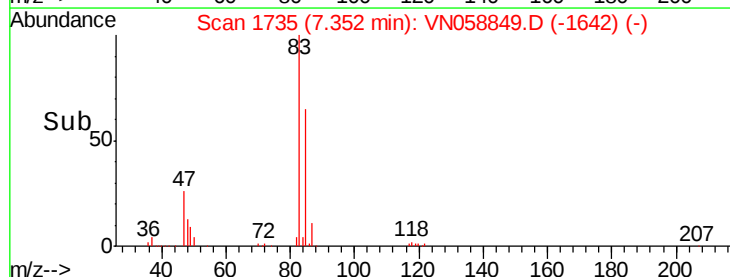
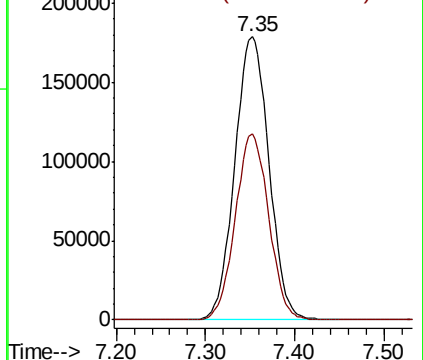
Ion Ratio Lower Upper

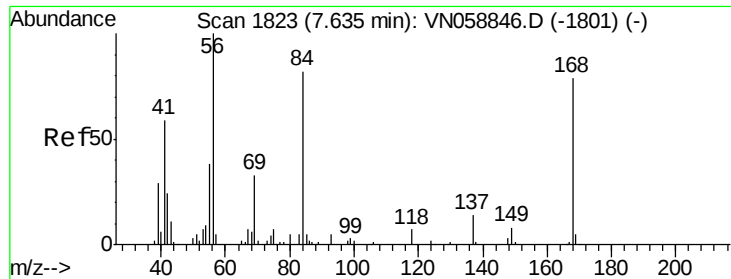
83 100

85 65.6 51.9 77.9



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

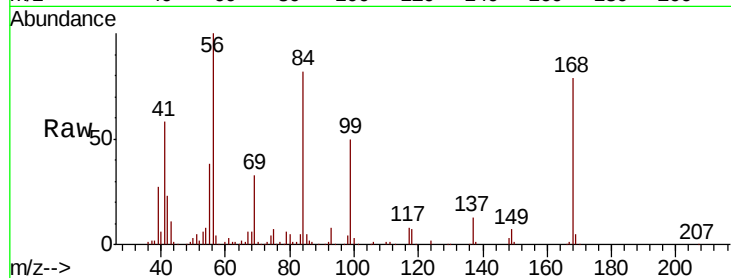




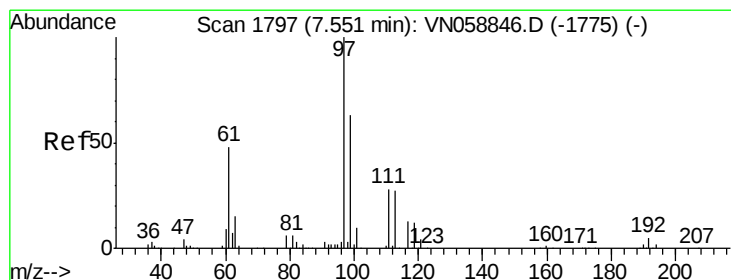
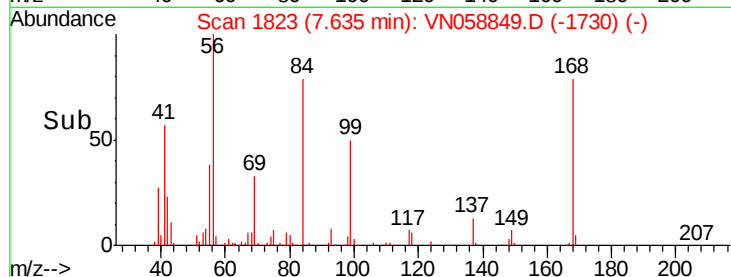
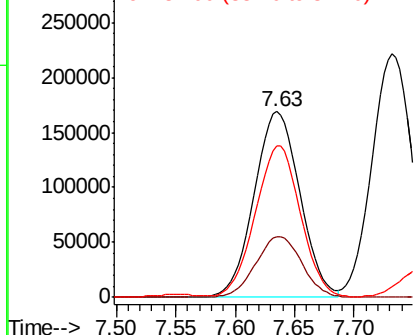
#31
Cyclohexane
Concen: 48.342 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 450600
Ion Ratio Lower Upper
56 100
69 32.7 26.2 39.4
84 80.7 65.6 98.4

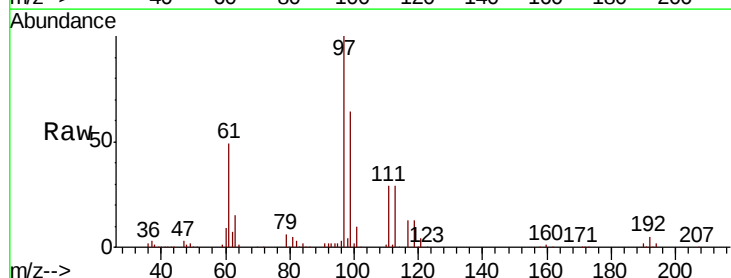


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

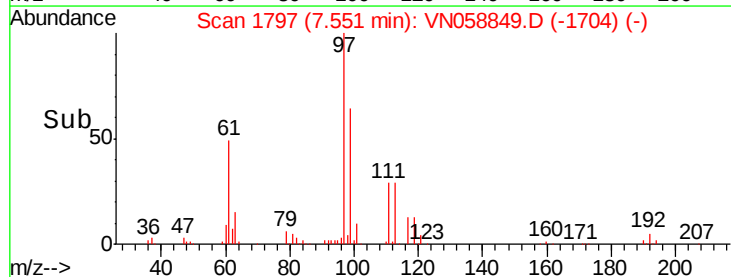
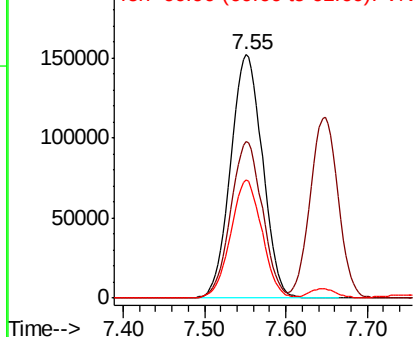


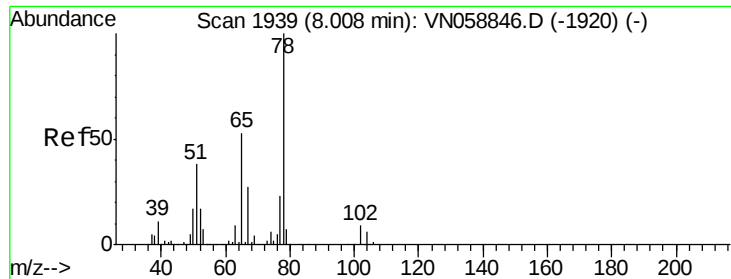
#32
1,1,1-Trichloroethane
Concen: 49.021 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion: 97 Resp: 414703
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 47.5 38.6 58.0



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

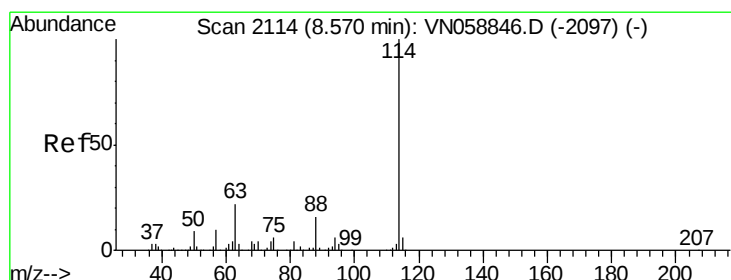
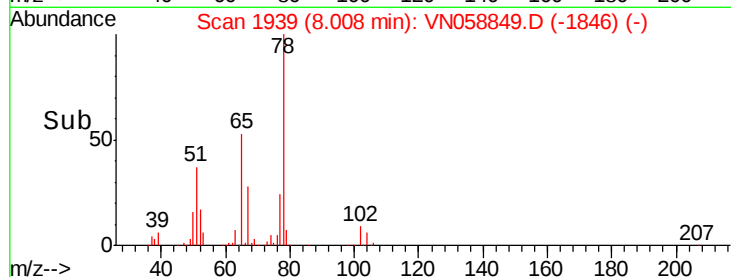
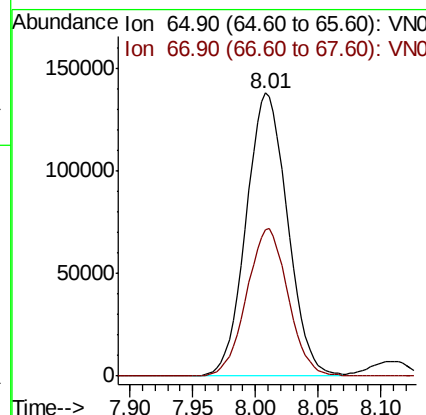
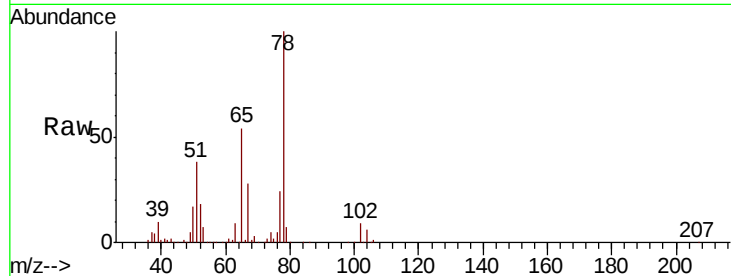




#33
 1,2-Dichloroethane-d4
 Concen: 48.997 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

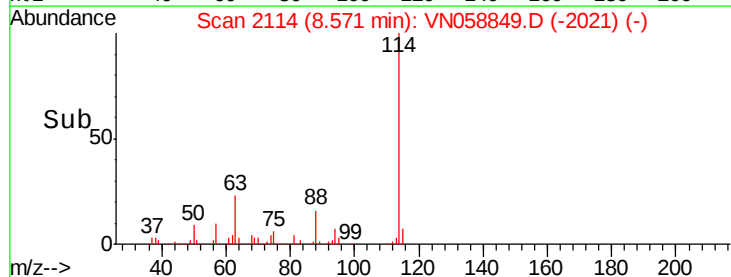
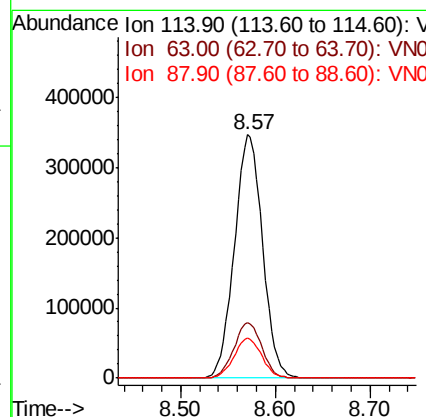
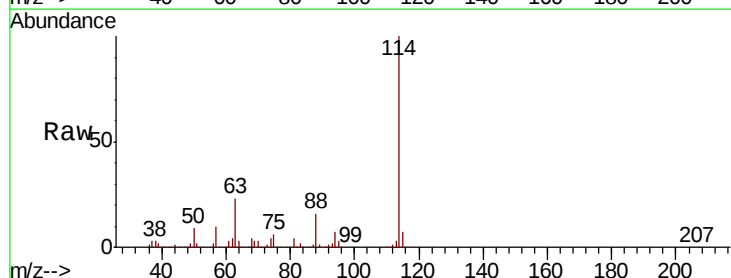
Instrument :
 MSVOA_N
 ClientSampleId :

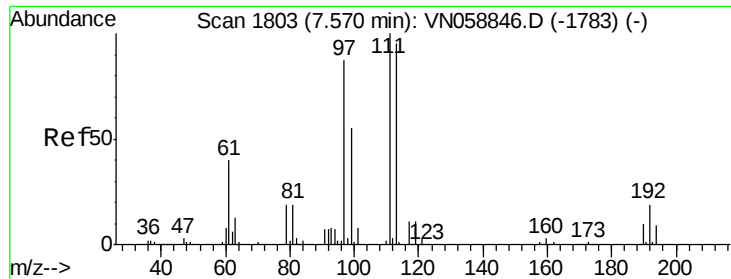
Tot Ion: 65 Resp: 317801
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Tgt Ion: 114 Resp: 715611
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.4
 88 16.2 0.0 31.4

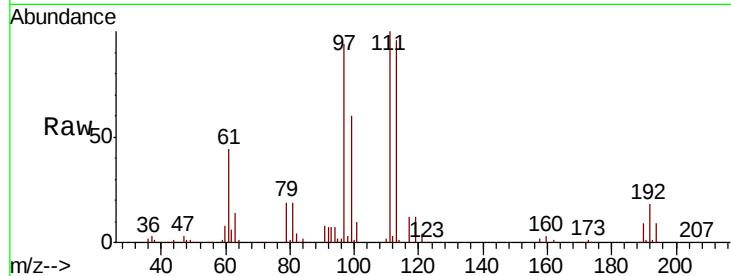




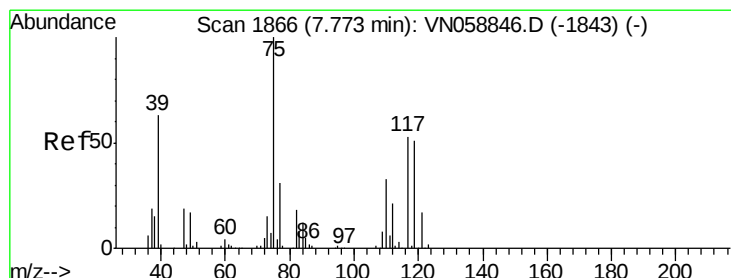
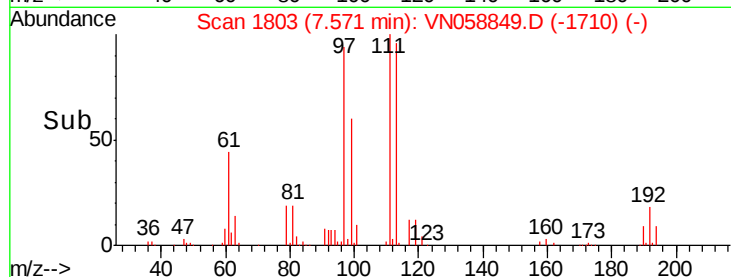
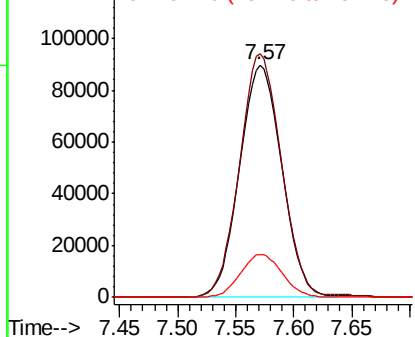
#35
 Dibromofluoromethane
 Concen: 48.509 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 228234
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.0 123.0
 192 18.3 15.0 22.6

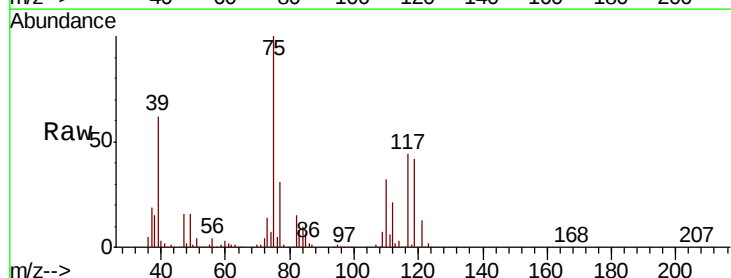


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

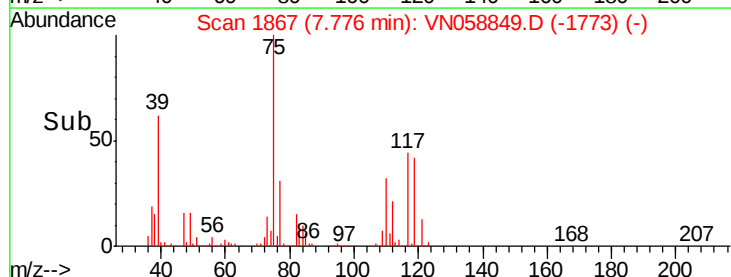
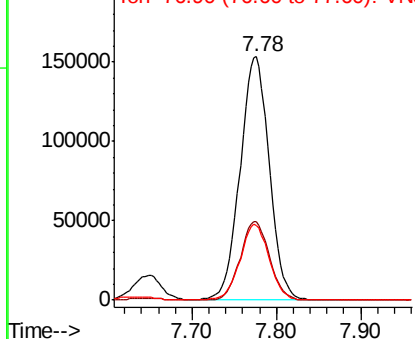


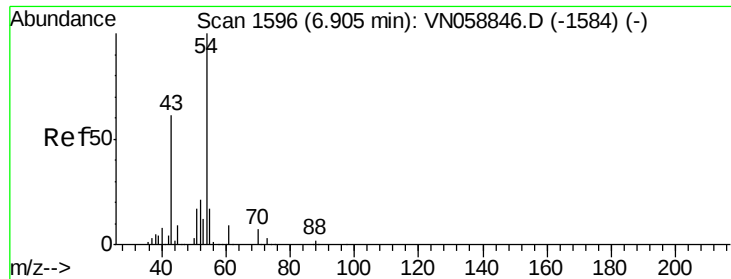
#36
 1,1-Dichloropropene
 Concen: 50.354 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Tgt Ion: 75 Resp: 368910
 Ion Ratio Lower Upper
 75 100
 110 32.4 16.3 48.9
 77 31.3 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

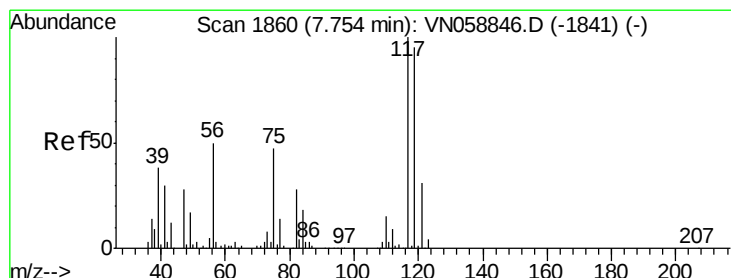
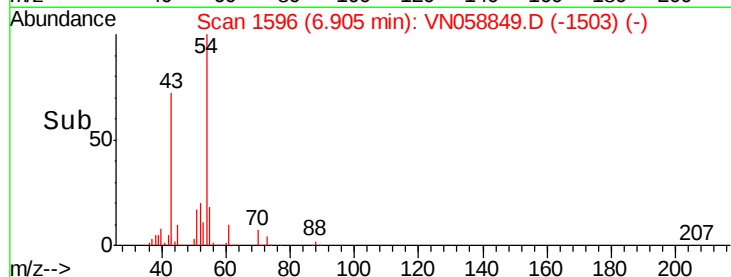
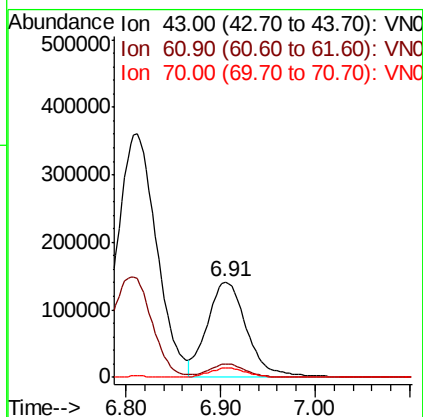
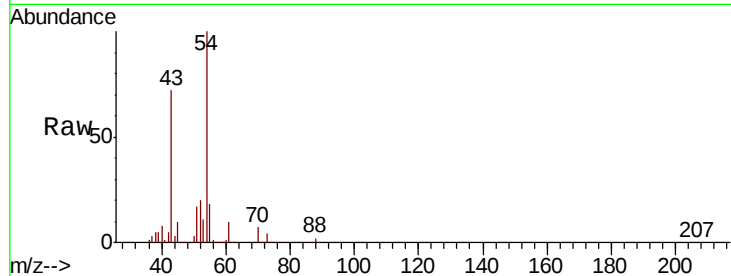




#37
Ethyl Acetate
Concen: 50.565 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

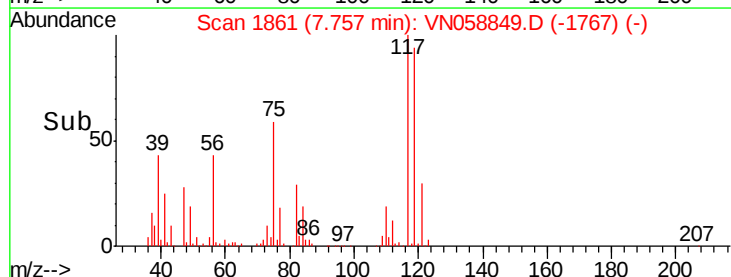
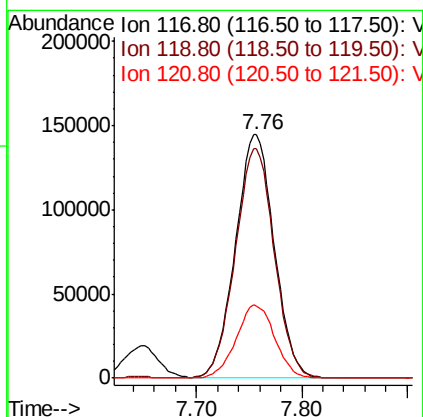
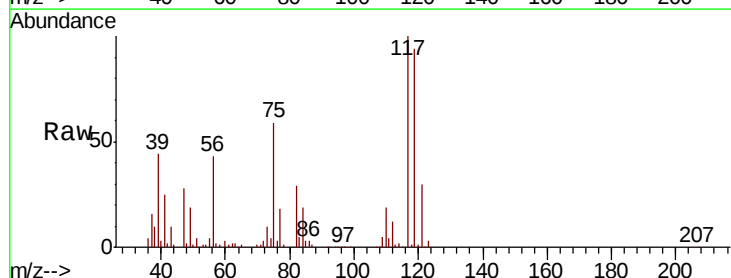
Instrument :
MSVOA_N
ClientSampled :

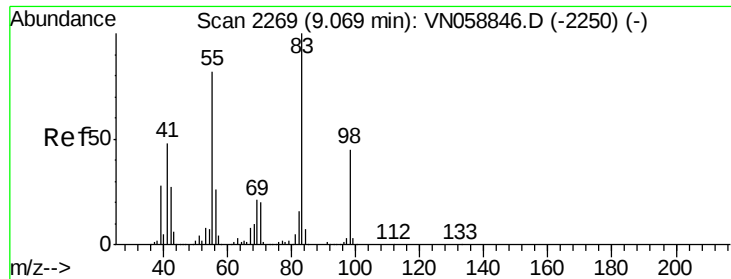
Tot Ion: 43 Resp: 403654
Ion Ratio Lower Upper
43 100
61 13.0 10.5 15.7
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 48.757 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion: 117 Resp: 367999
Ion Ratio Lower Upper
117 100
119 94.0 75.7 113.5
121 29.6 25.0 37.6

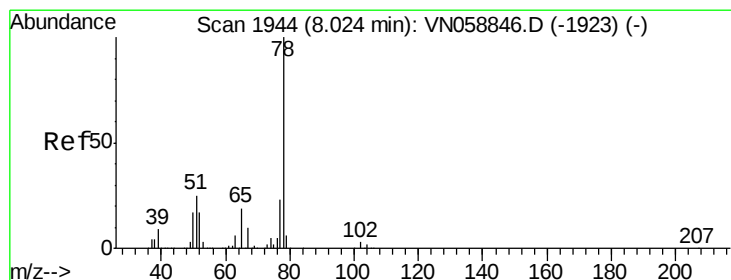
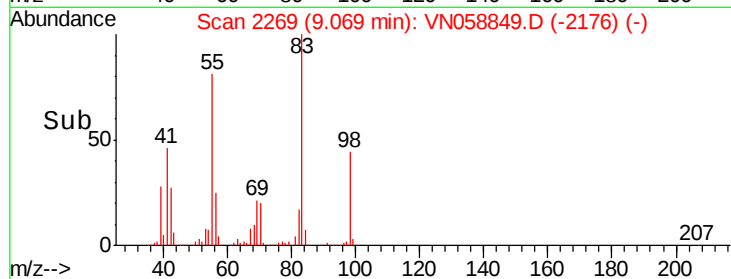
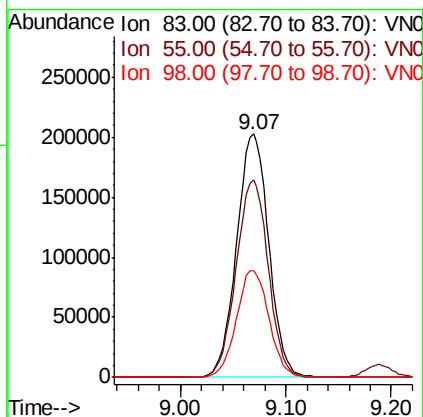
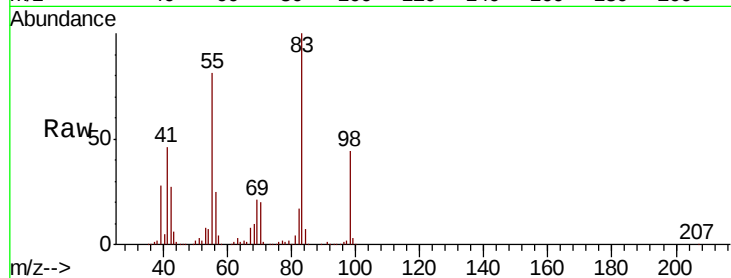




#39
Methvlcvclohexane
Concen: 52.043 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

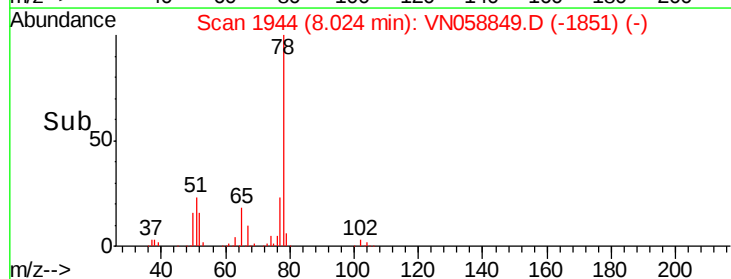
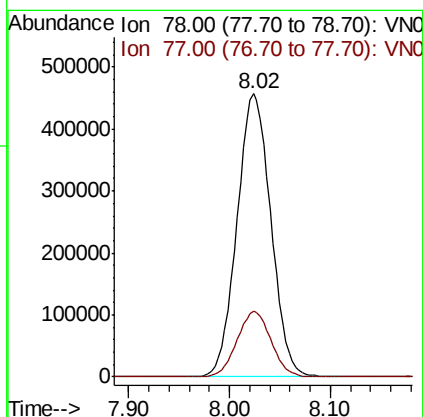
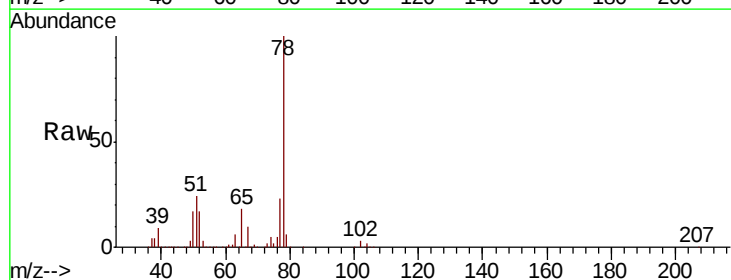
Instrument :
MSVOA_N
ClientSampleId :

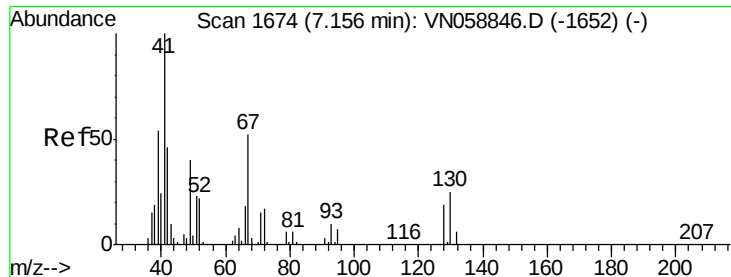
Tot Ion: 83 Resp: 428130
Ion Ratio Lower Upper
83 100
55 81.3 65.5 98.3
98 43.9 35.7 53.5



#40
Benzene
Concen: 49.410 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion: 78 Resp: 1062988
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.2

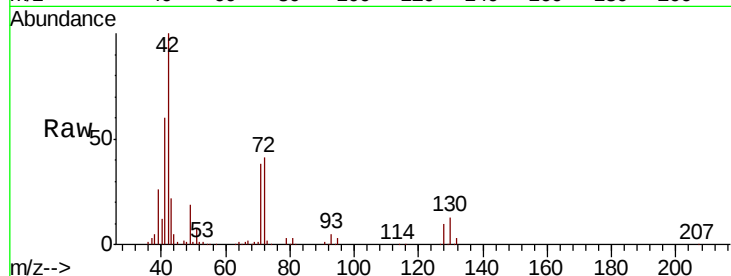




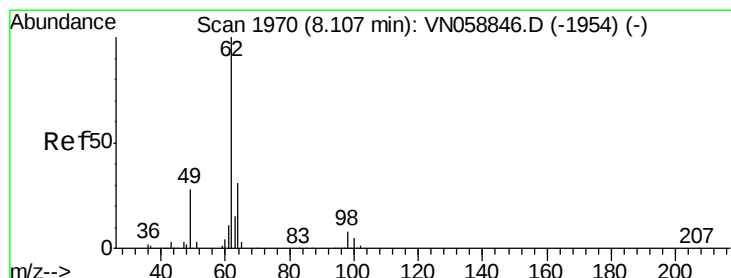
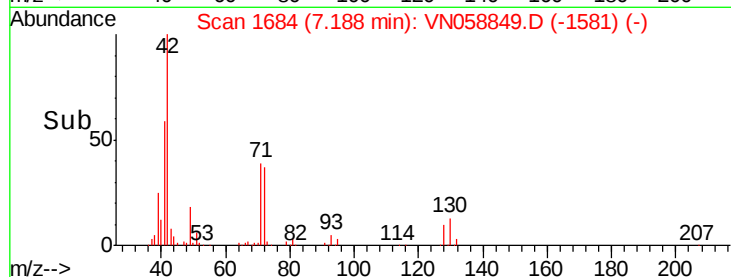
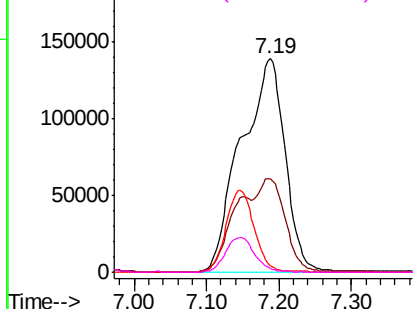
#41
Methacrylonitrile
Concen: 164.999 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	586644
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

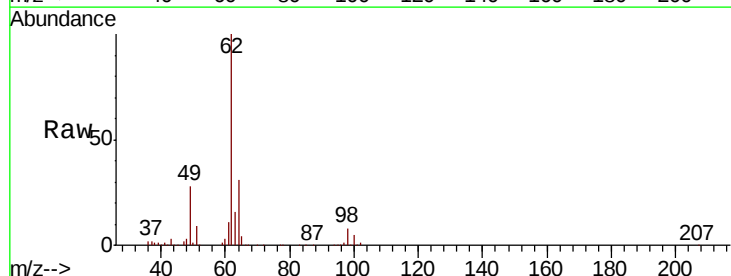


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

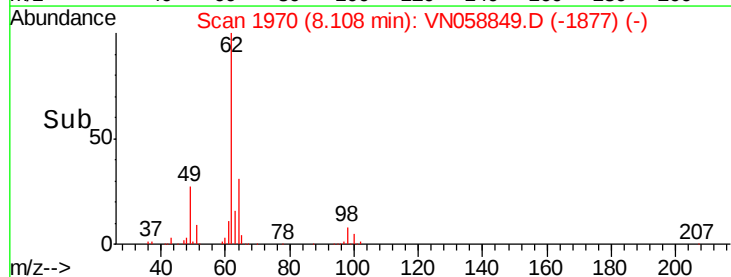
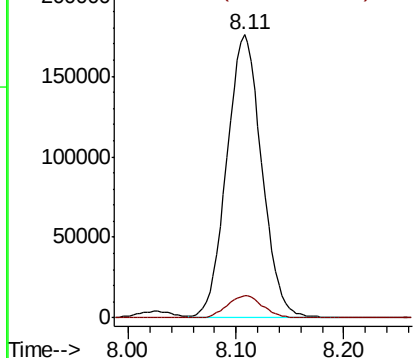


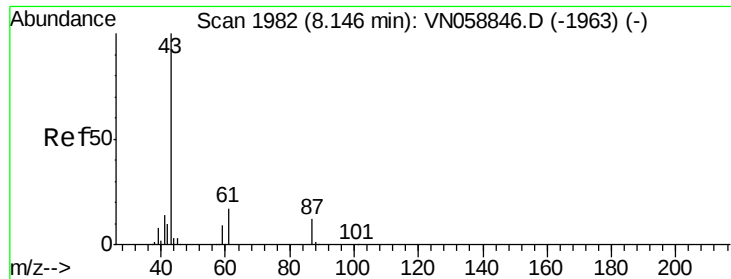
#42
1,2-Dichloroethane
Concen: 47.825 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion:	62	Resp:	396341
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2



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

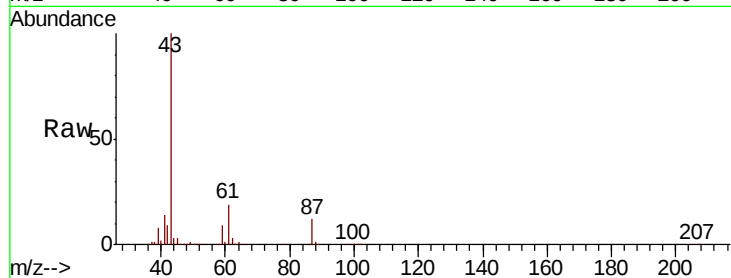




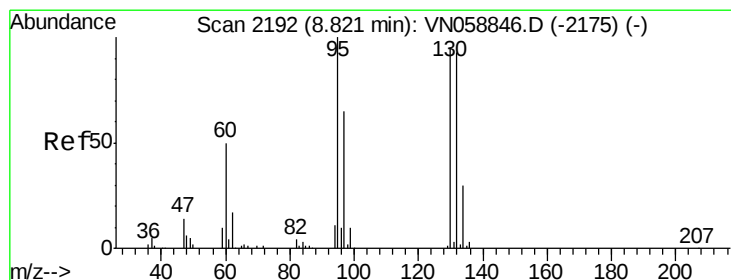
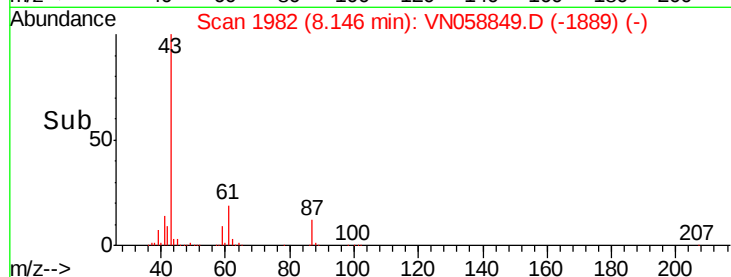
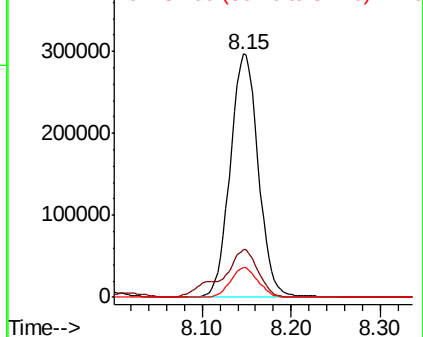
#43
Isopropyl Acetate
Concen: 50.417 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 645480
Ion Ratio Lower Upper
43 100
61 25.3 20.2 30.2
87 12.0 9.5 14.3

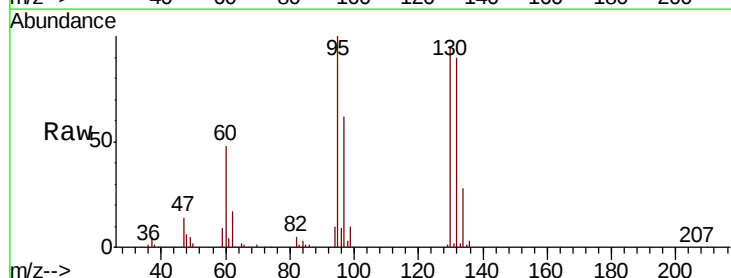


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

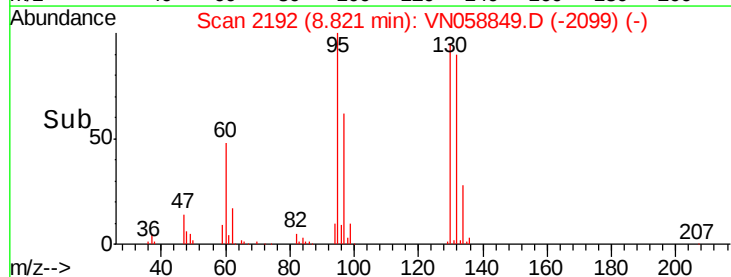
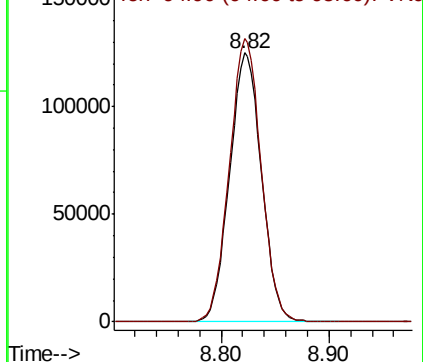


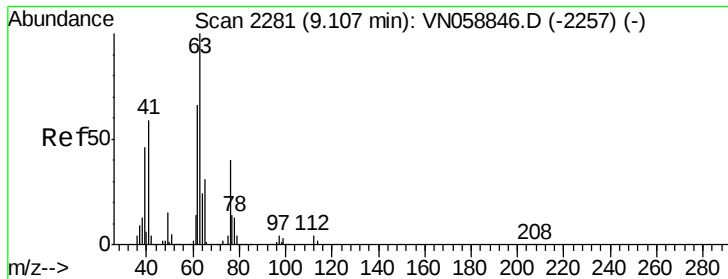
#44
Trichloroethene
Concen: 49.082 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion:130 Resp: 257223
Ion Ratio Lower Upper
130 100
95 105.3 0.0 209.6



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

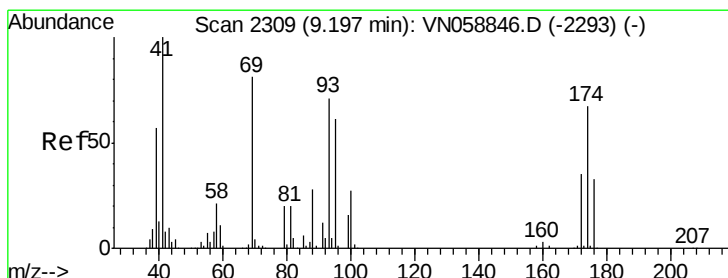
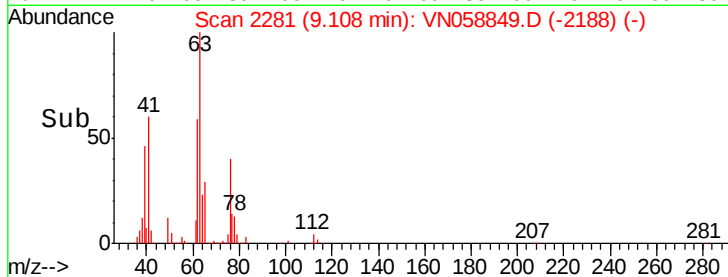
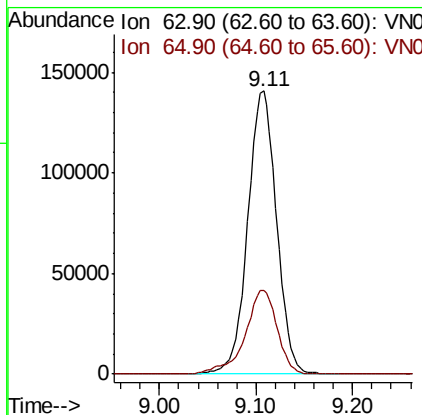
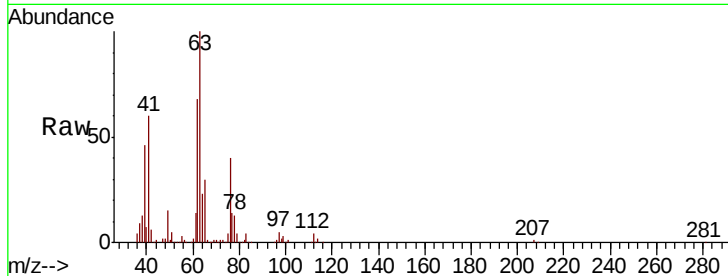




#45
 1,2-Dichloropropane
 Concen: 49.420 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

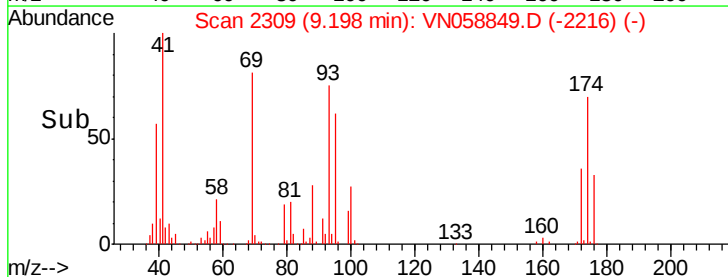
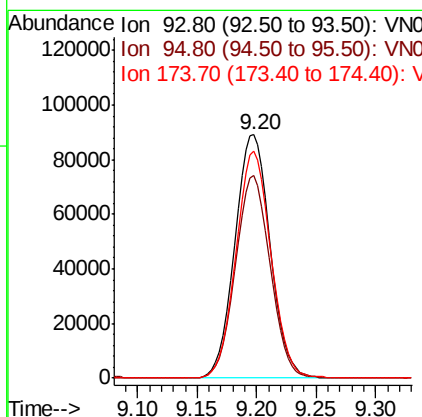
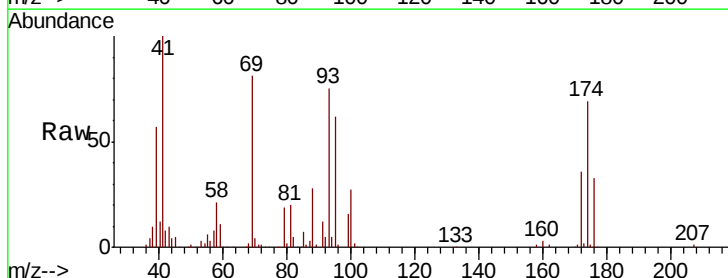
Instrument :
 MSVOA_N
 ClientSampleId :

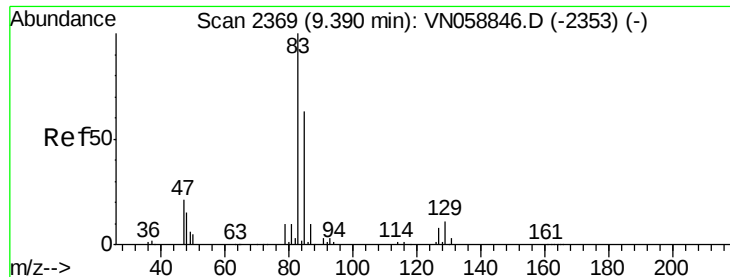
Tot Ion: 63 Resp: 291547
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.5 36.7



#46
 Dibromomethane
 Concen: 49.181 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Tgt Ion: 93 Resp: 183420
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.6 101.4
 174 92.1 74.1 111.1





#47

Bromodichloromethane

Concen: 49.236 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

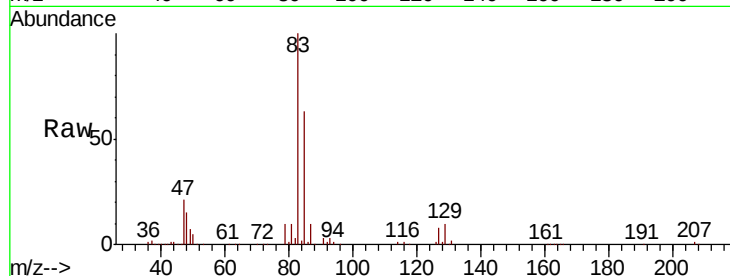
Tot Ion: 83 Resp: 378462

Ion Ratio Lower Upper

83 100

85 62.9 50.6 75.8

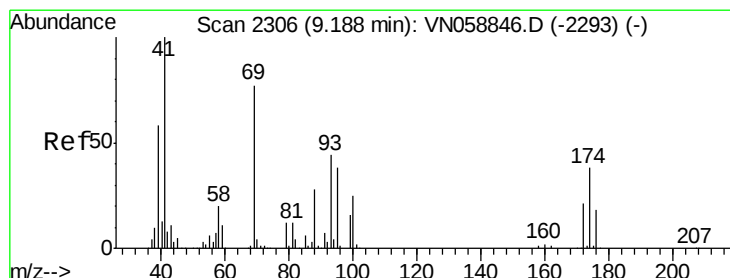
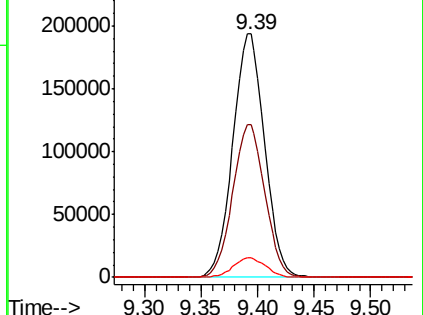
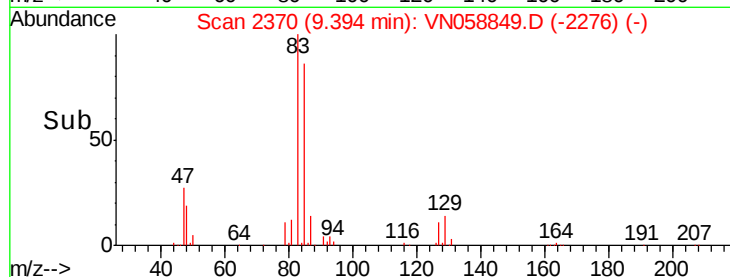
127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN058849.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN058849.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN058849.D (-2276) (-)



#48

Methyl methacrylate

Concen: 52.074 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

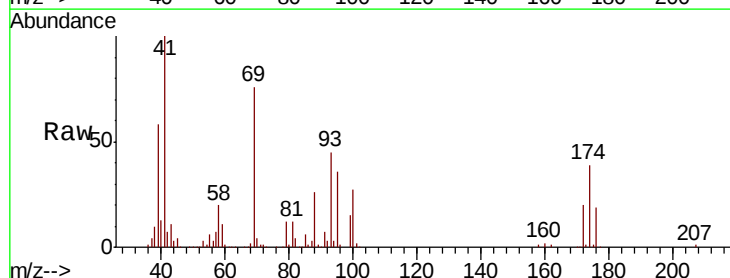
Tgt Ion: 41 Resp: 302484

Ion Ratio Lower Upper

41 100

69 79.7 63.8 95.6

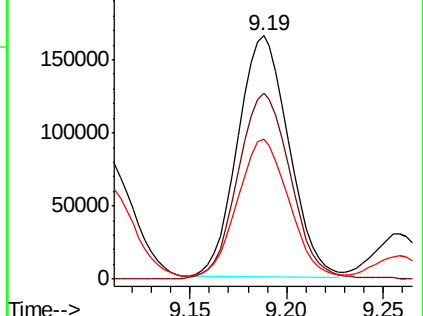
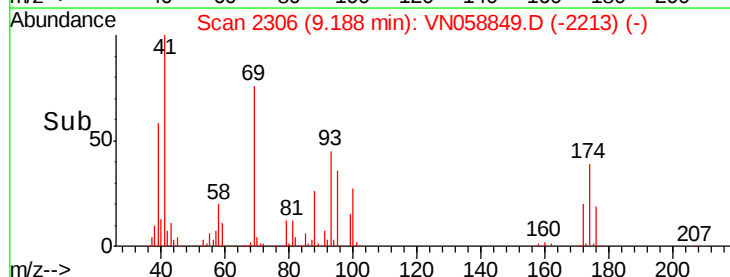
39 59.0 47.8 71.8

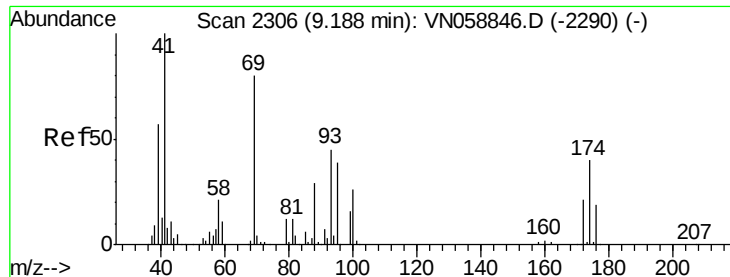


Abundance Ion 41.00 (40.70 to 41.70): VN058849.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058849.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058849.D (-2213) (-)

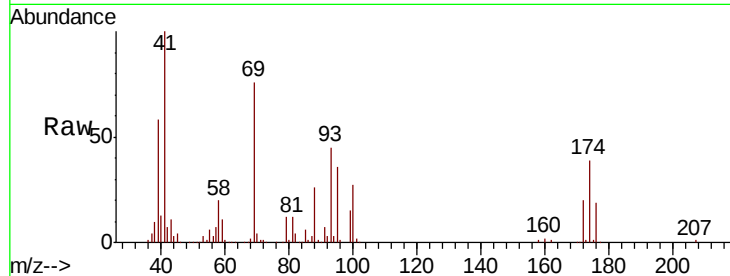




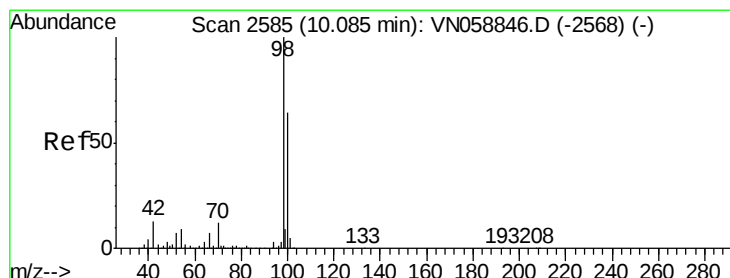
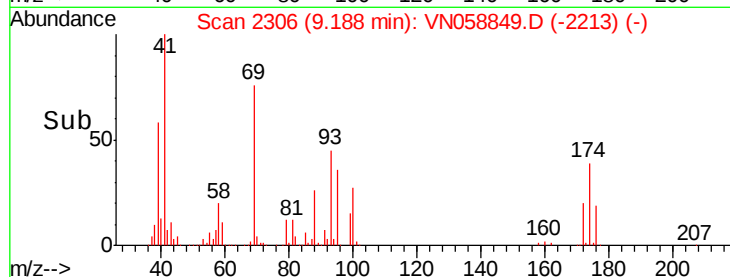
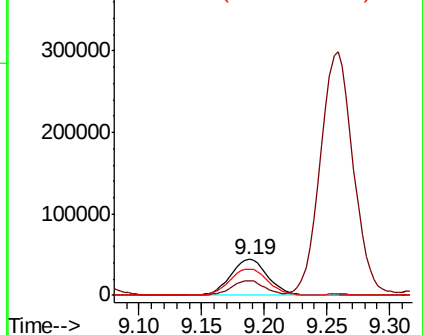
#49
1,4-Dioxane
Concen: 960.546 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 91592
Ion Ratio Lower Upper
88 100
43 36.6 29.1 43.7
58 75.5 59.4 89.0

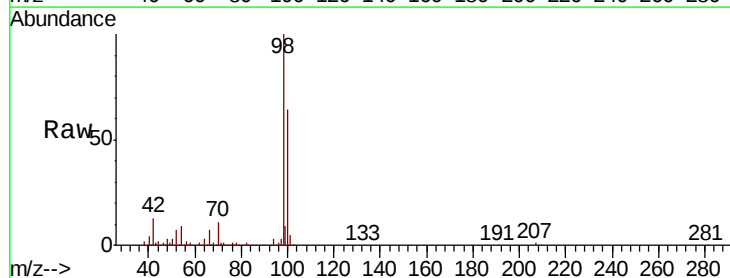


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

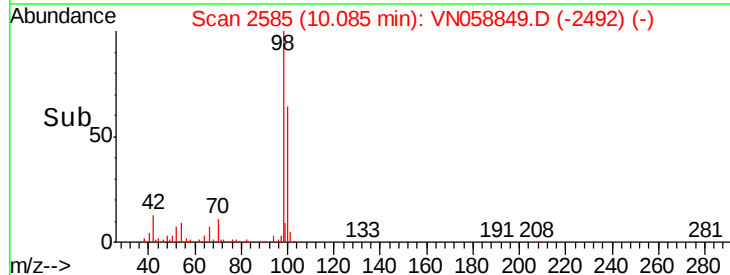
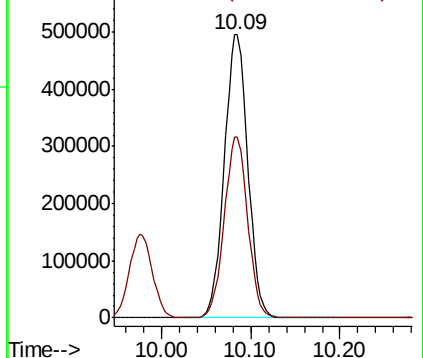


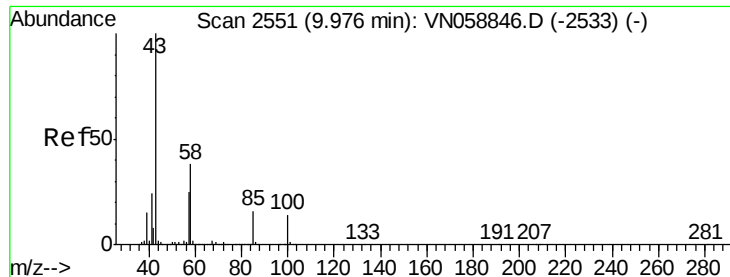
#50
Toluene-d8
Concen: 49.424 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion: 98 Resp: 902680
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 271.108 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

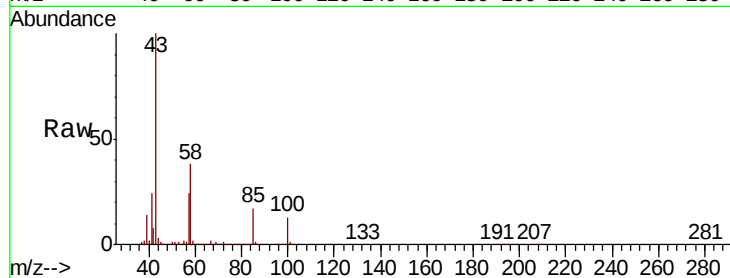
ClientSampled :

Tot Ion: 43 Resp: 2027371

Ion Ratio Lower Upper

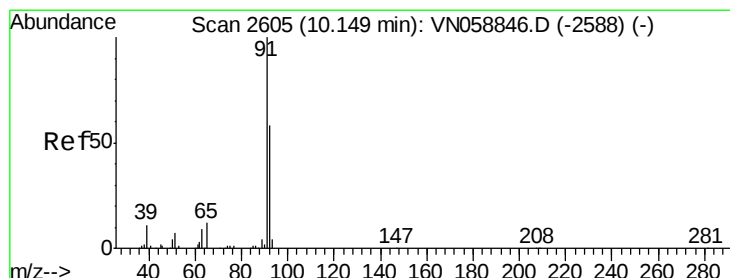
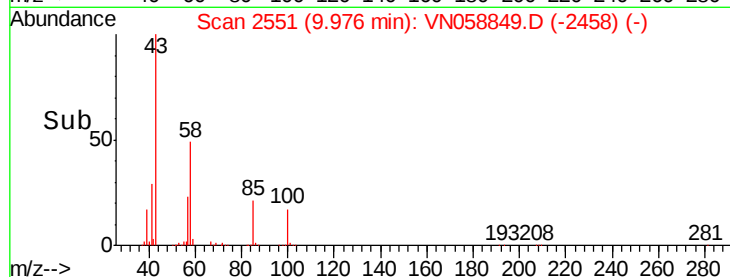
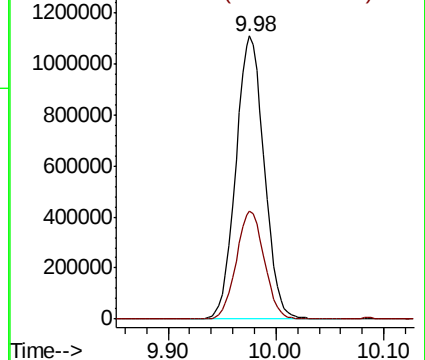
43 100

58 37.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.193 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058849.D

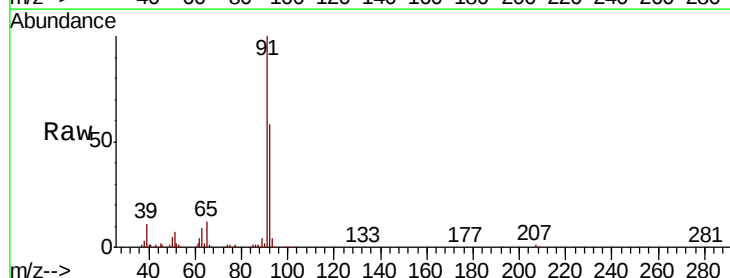
Acq: 18 Oct 2019 11:27

Tgt Ion: 92 Resp: 653119

Ion Ratio Lower Upper

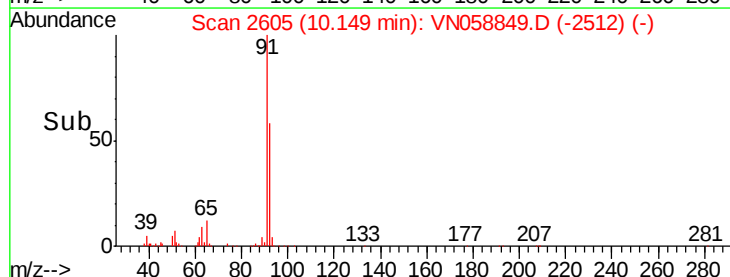
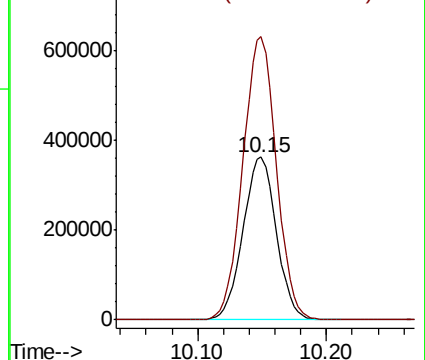
92 100

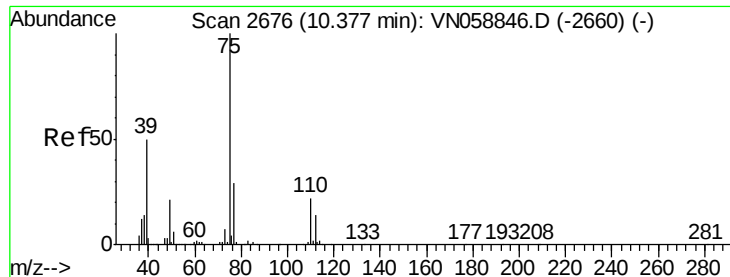
91 175.2 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 51.757 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

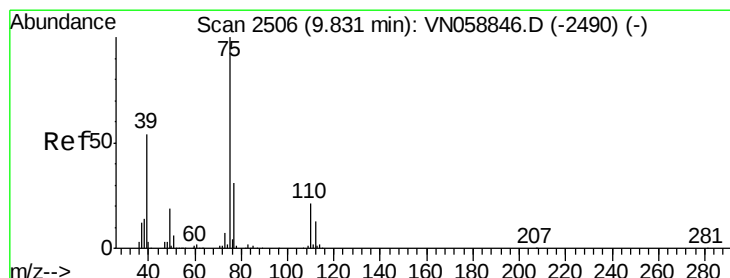
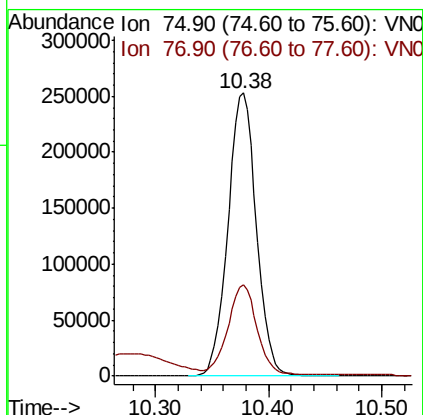
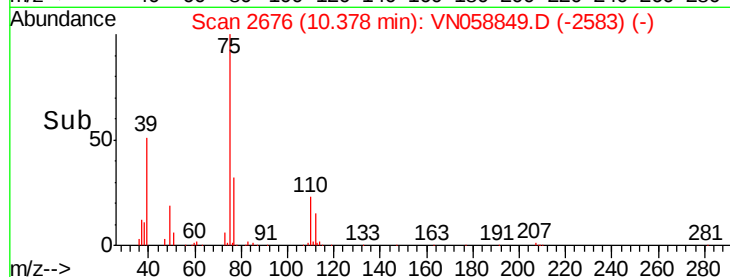
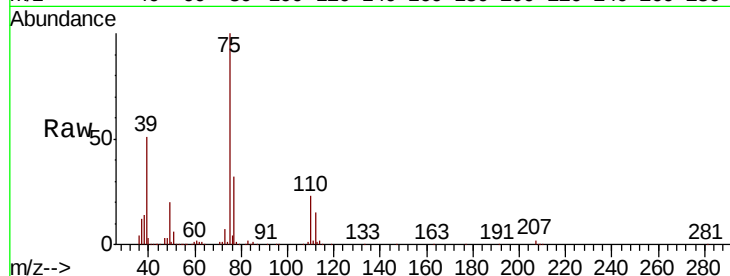
ClientSampled :

Tot Ion: 75 Resp: 440417

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 50.796 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

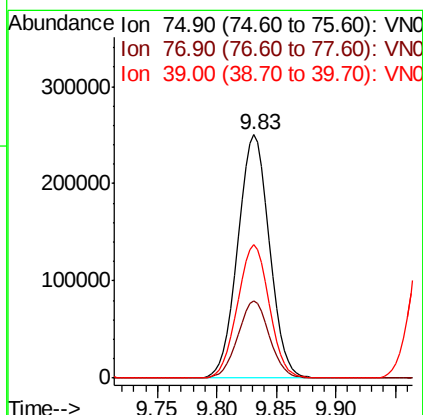
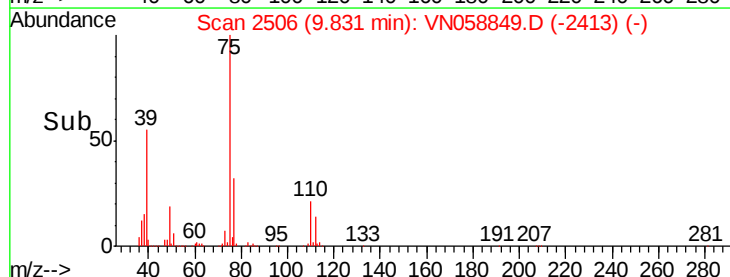
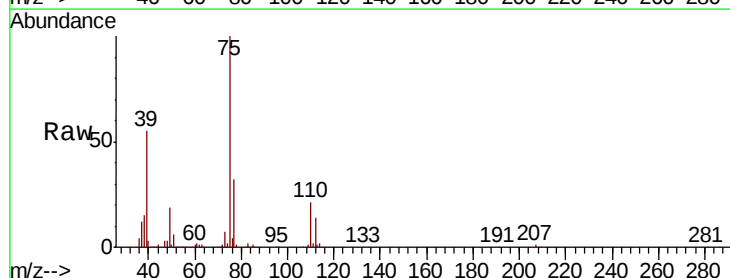
Tgt Ion: 75 Resp: 461787

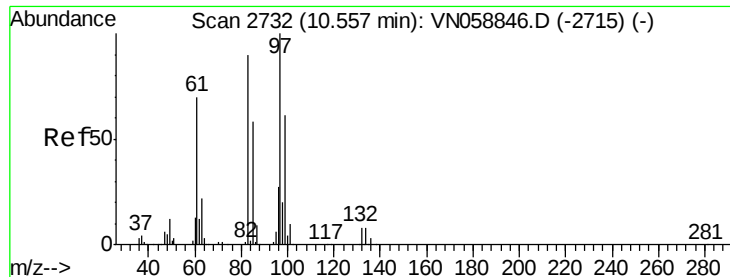
Ion Ratio Lower Upper

75 100

77 31.7 24.7 37.1

39 54.7 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 48.295 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

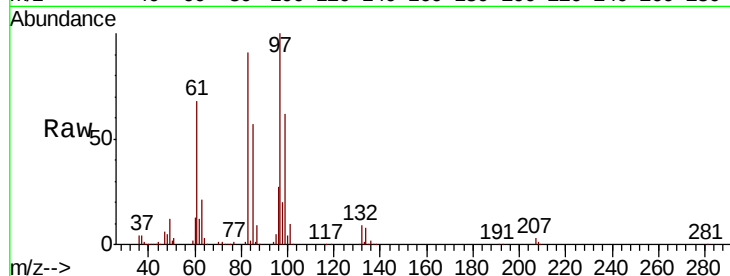
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 253821

Ion	Ratio	Lower	Upper
97	100		
83	90.9	72.2	108.4
85	57.2	46.2	69.2
99	62.2	48.7	73.1

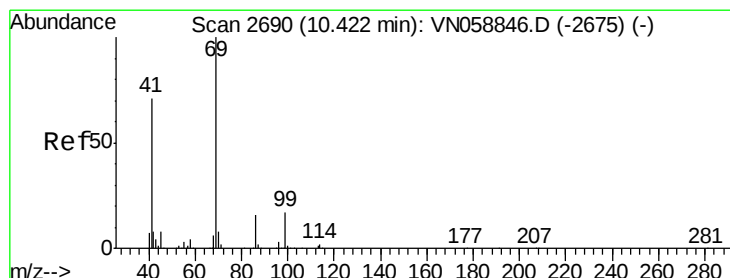
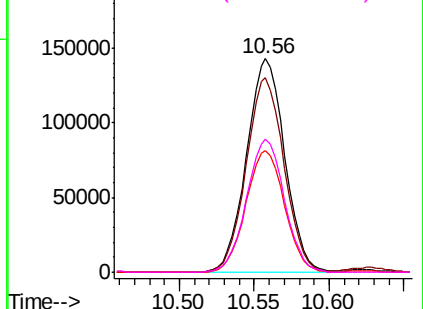
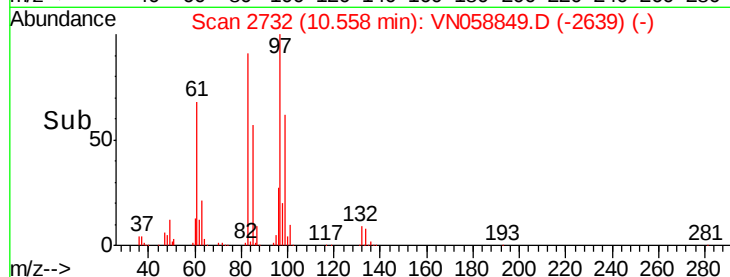


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 47.738 ug/l

RT: 10.43 min Scan# 2691

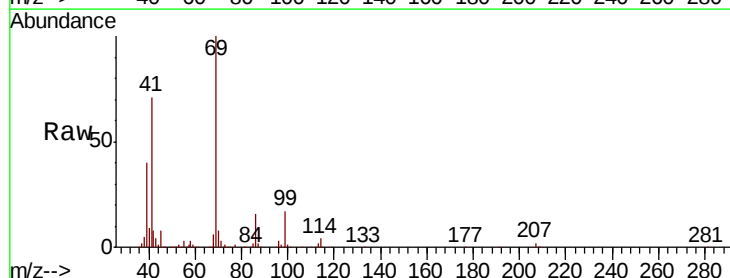
Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Tgt Ion: 69 Resp: 420576

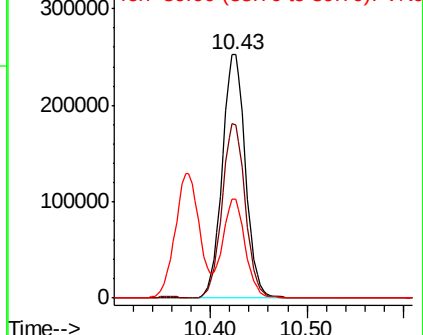
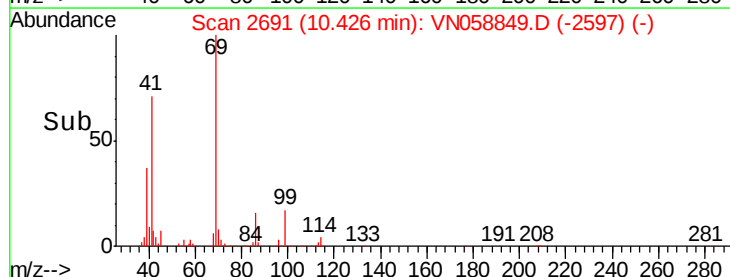
Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.2	85.8
39	40.2	31.0	46.4

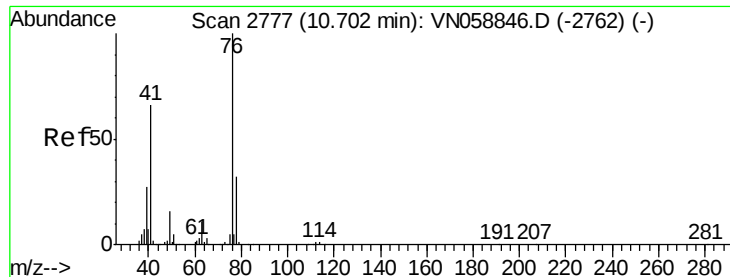


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.282 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

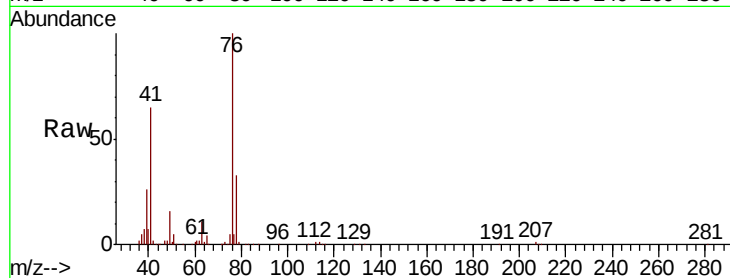
ClientSampleId :

Tot Ion: 76 Resp: 454596

Ion Ratio Lower Upper

76 100

78 32.4 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN058849.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN058849.D (-2762) (-)

10.70

250000

200000

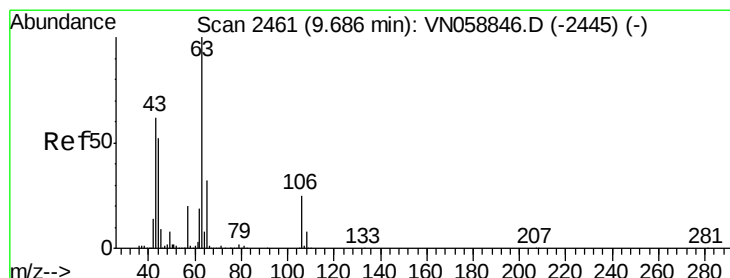
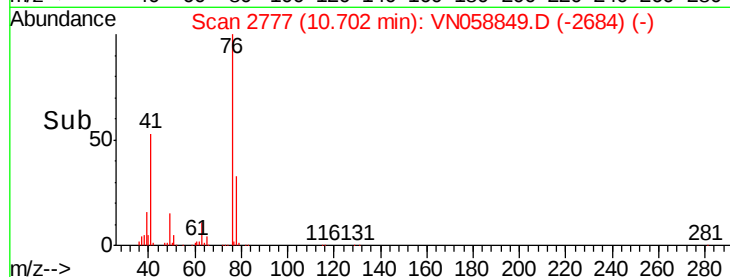
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 240.720 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058849.D

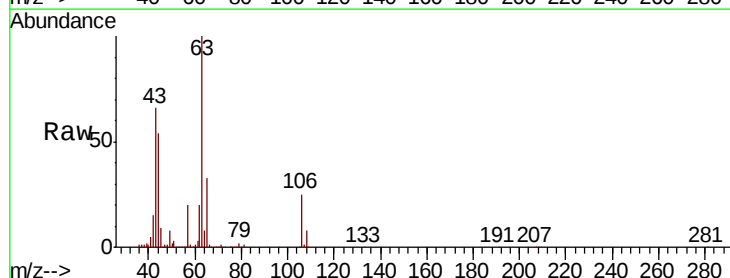
Acq: 18 Oct 2019 11:27

Tgt Ion: 63 Resp: 896601

Ion Ratio Lower Upper

63 100

106 24.8 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN058849.D (-2368) (-)

Ion 105.90 (105.60 to 106.60): VN058849.D (-2368) (-)

9.69

600000

500000

400000

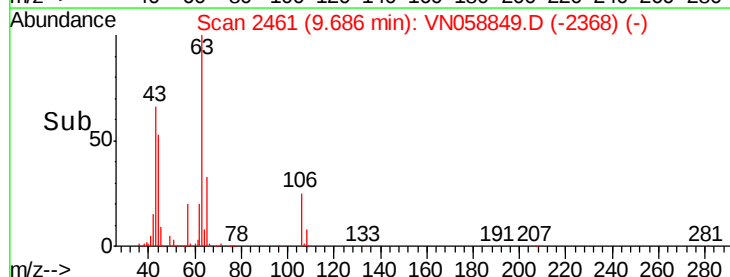
300000

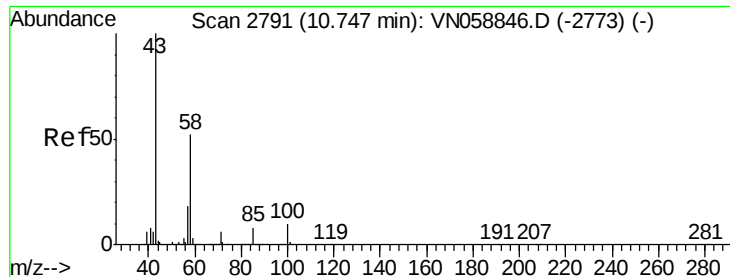
200000

100000

0

Time-->

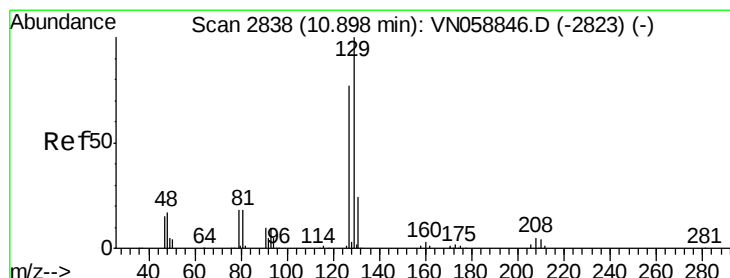
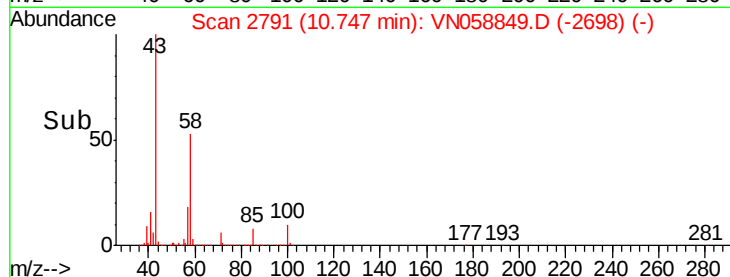
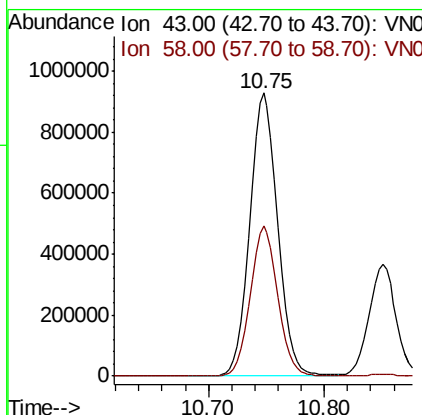
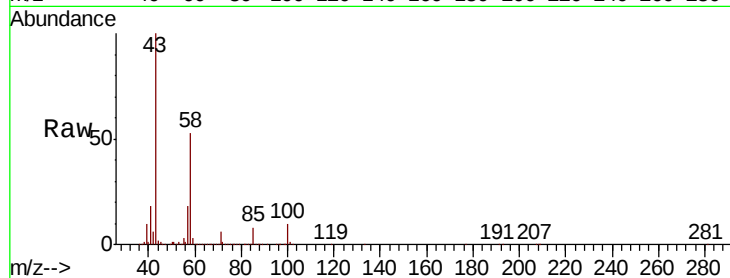




#59
2-Hexanone
Concen: 269.784 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

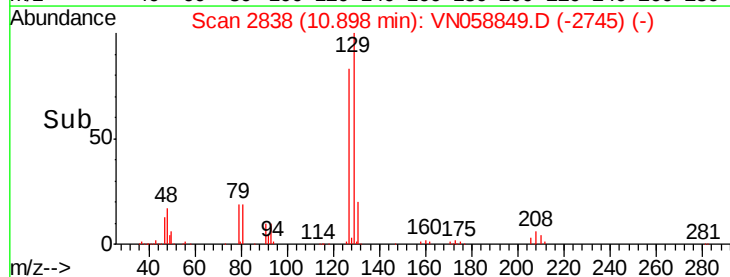
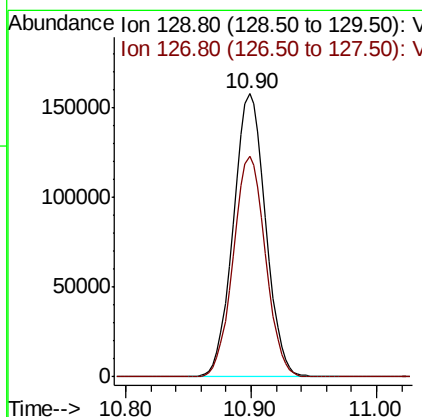
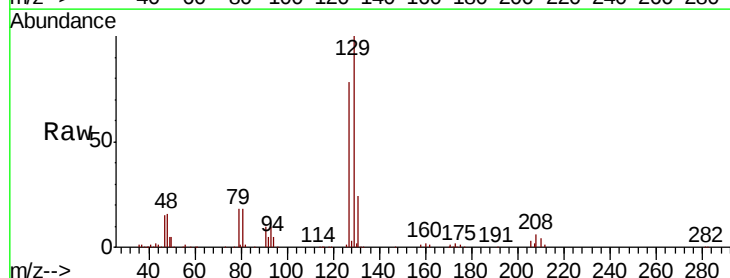
Instrument :
MSVOA_N
ClientSampled :

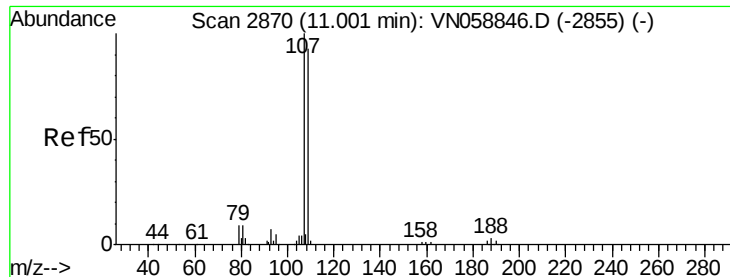
Tot Ion: 43 Resp: 1558960
Ion Ratio Lower Upper
43 100
58 52.2 25.9 77.7



#60
Dibromochloromethane
Concen: 49.723 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion: 129 Resp: 281283
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.3

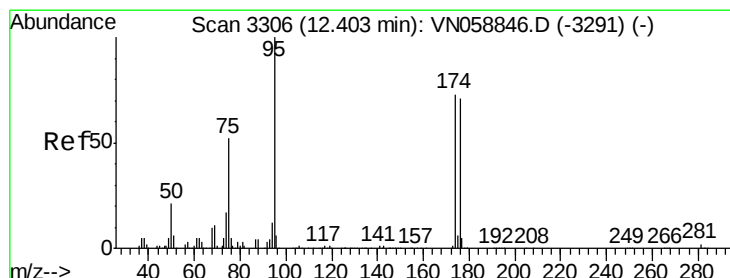
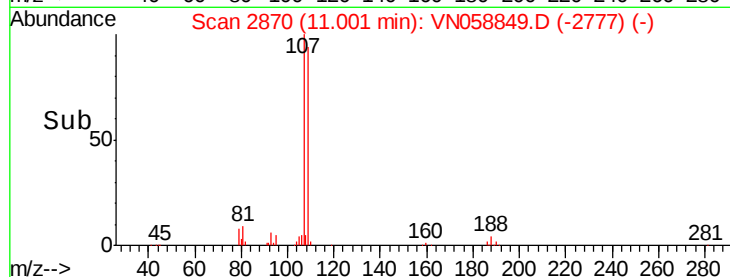
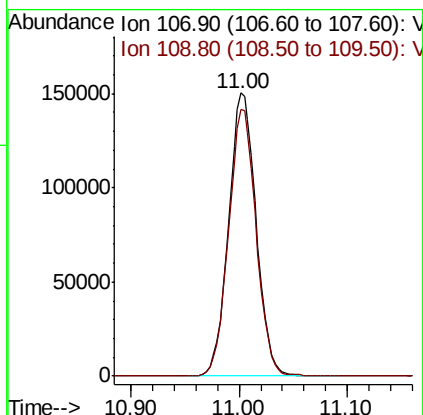
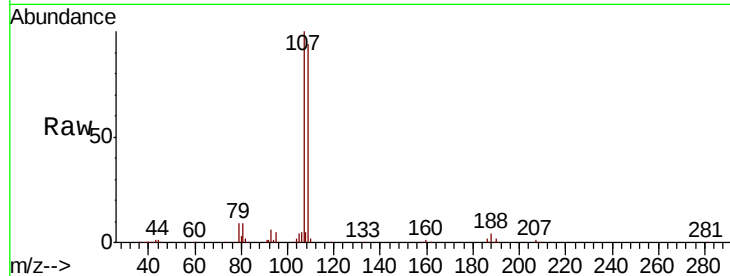




#61
 1,2-Dibromoethane
 Concen: 49.611 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

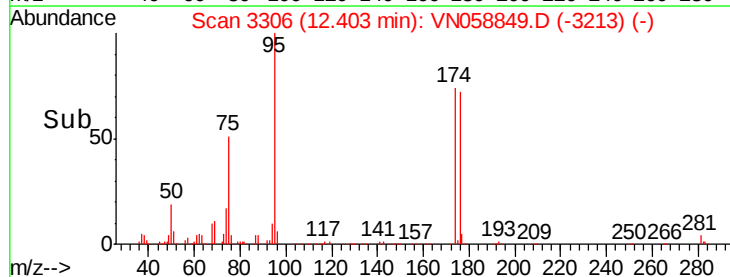
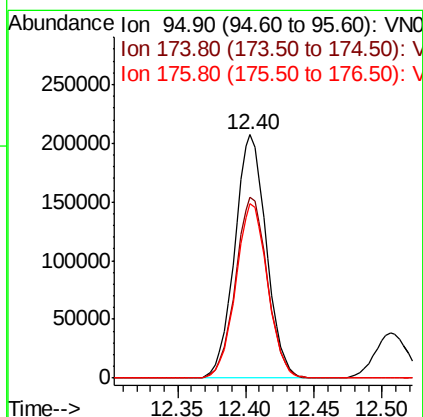
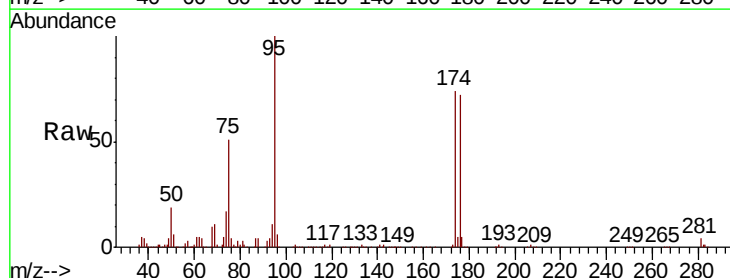
Instrument :
 MSVOA_N
 ClientSampleId :

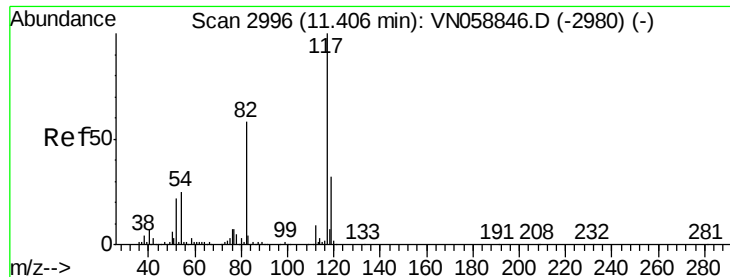
Tot Ion: 107 Resp: 266838
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.711 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058849.D
 Acq: 18 Oct 2019 11:27

Tgt Ion: 95 Resp: 333411
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 147.6
 176 72.0 0.0 143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

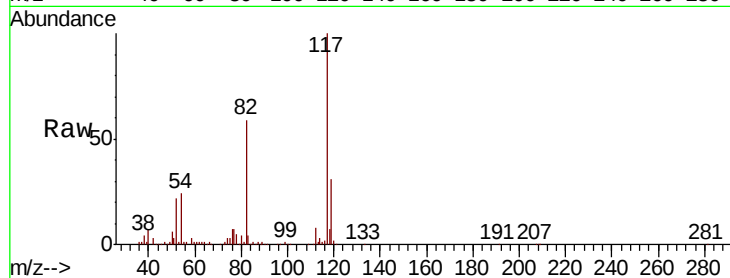
Tot Ion:117 Resp: 664291

Ion Ratio Lower Upper

117 100

82 58.7 46.6 69.8

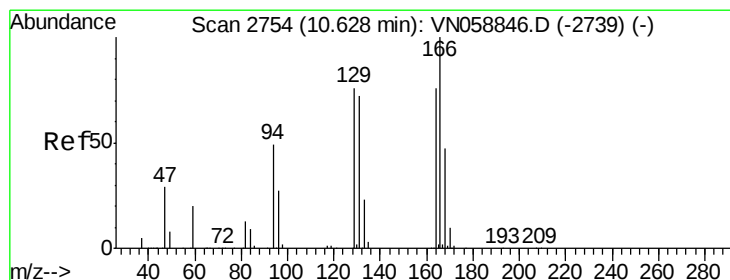
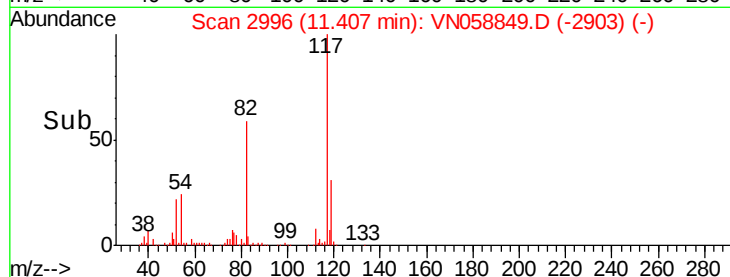
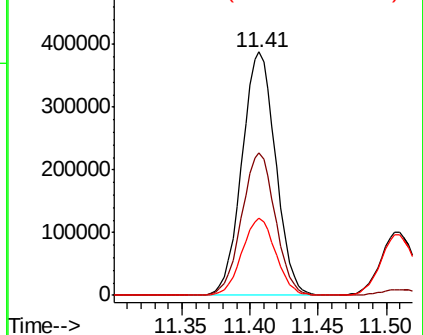
119 31.5 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 48.823 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Tgt Ion:164 Resp: 227139

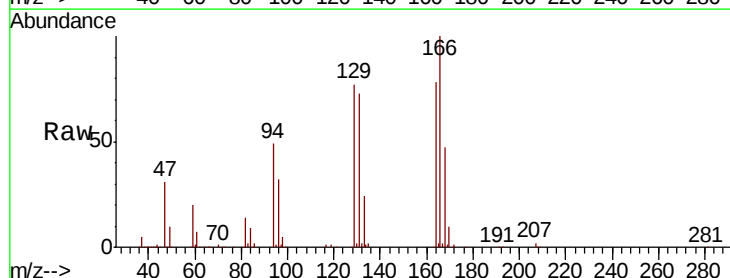
Ion Ratio Lower Upper

164 100

166 129.0 104.8 157.2

129 99.0 79.3 118.9

131 93.8 75.8 113.6

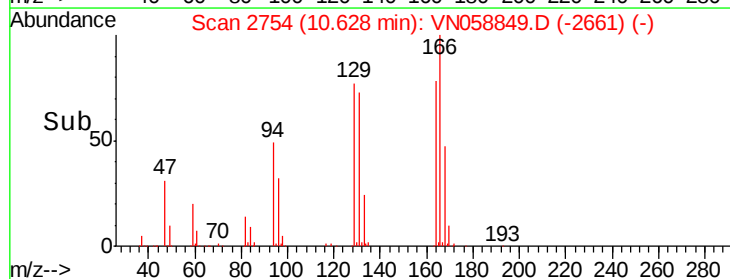
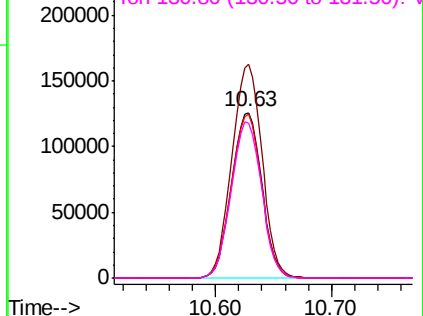


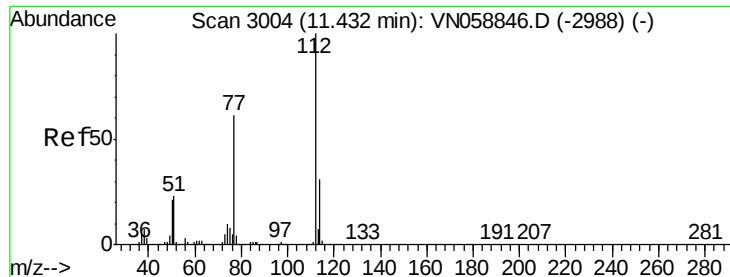
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.529 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

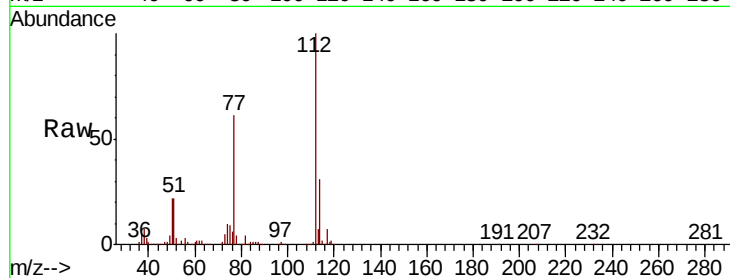
ClientSampled :

Tot Ion:112 Resp: 683353

Ion Ratio Lower Upper

112 100

114 31.2 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

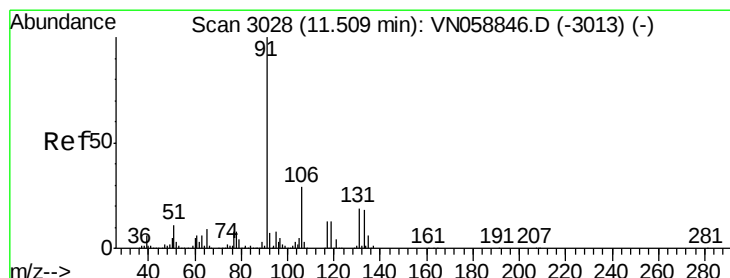
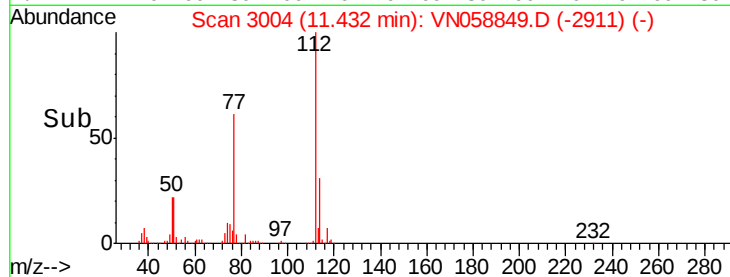
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.104 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

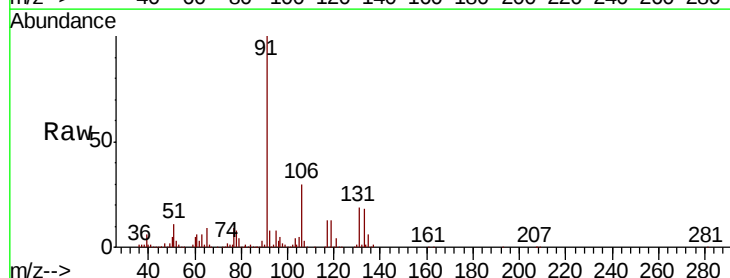
Tgt Ion:131 Resp: 255700

Ion Ratio Lower Upper

131 100

133 95.6 48.4 145.2

119 65.8 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

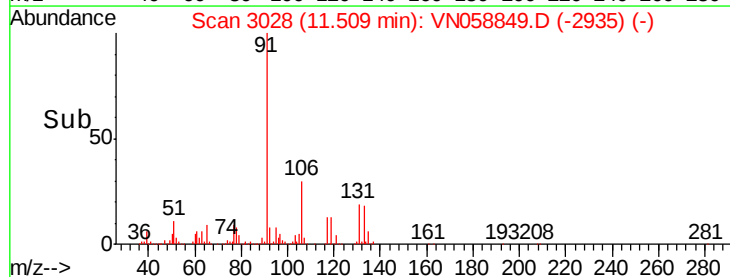
150000

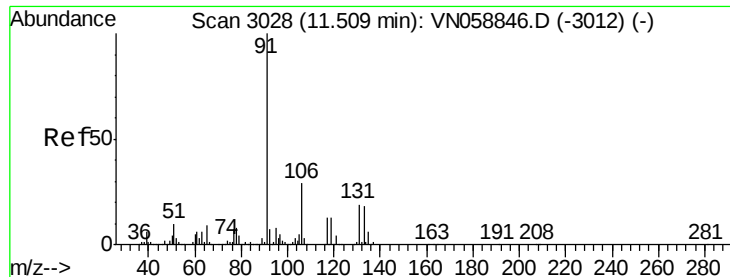
100000

50000

0

Time-->

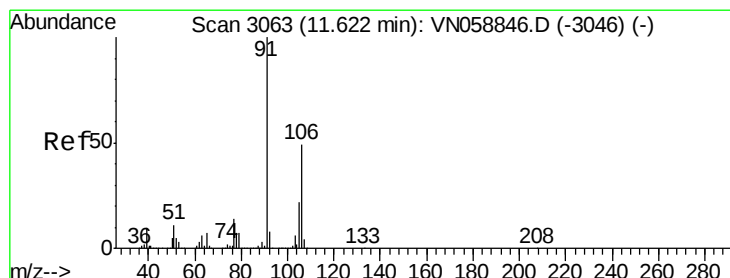
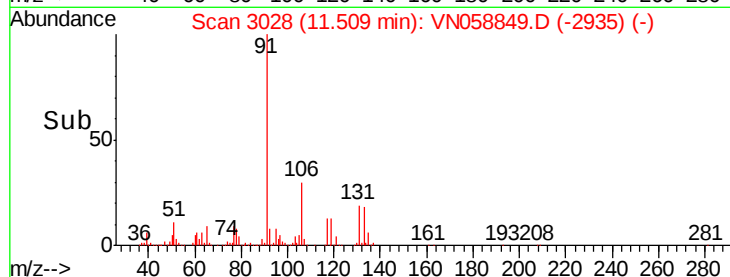
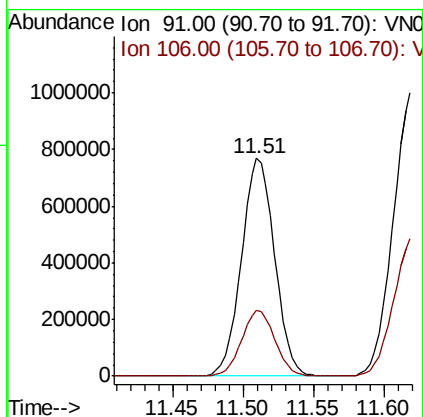
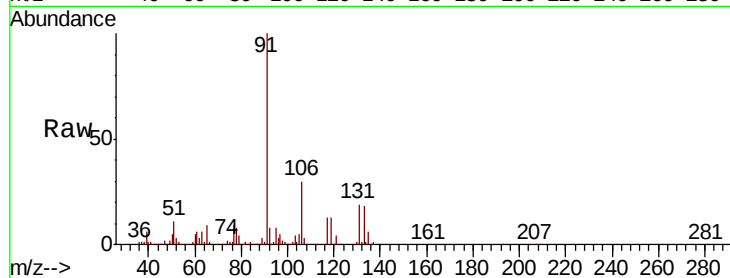




#67
Ethyl Benzene
Concen: 53.506 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

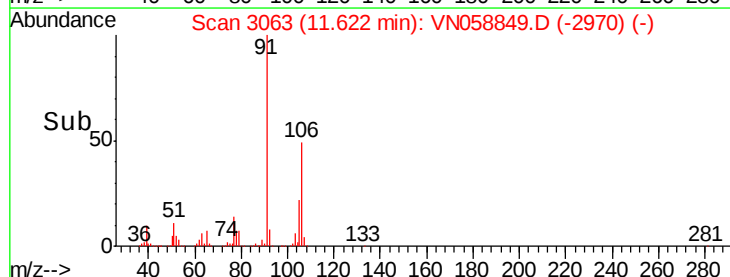
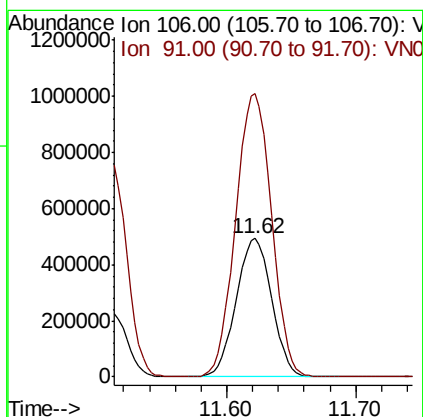
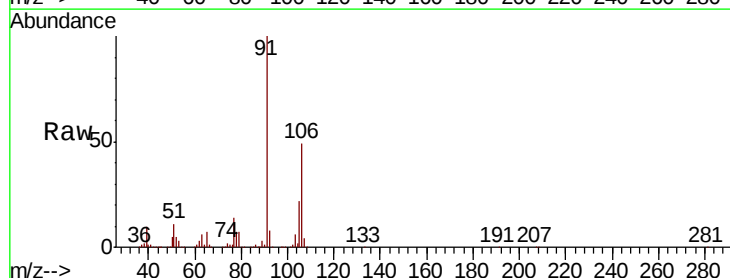
Instrument :
MSVOA_N
ClientSampled :

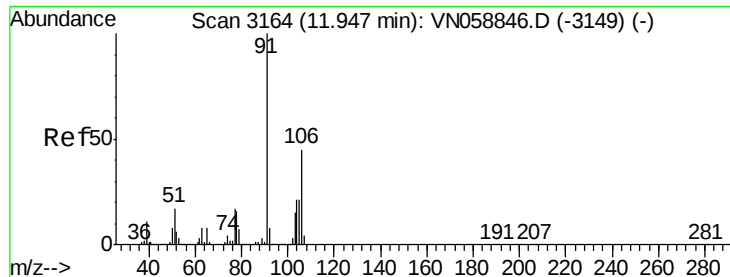
Tot Ion: 91 Resp: 1269404
Ion Ratio Lower Upper
91 100
106 30.0 23.4 35.0



#68
m/p-Xylenes
Concen: 107.322 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion: 106 Resp: 944227
Ion Ratio Lower Upper
106 100
91 207.3 166.6 249.8

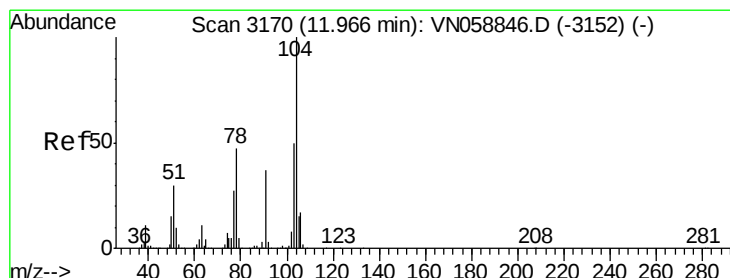
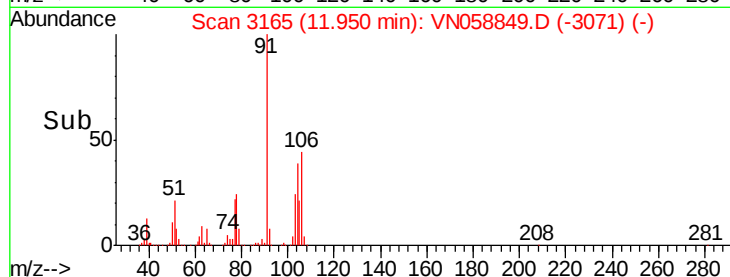
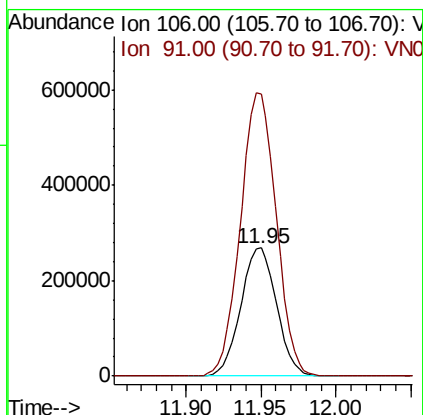
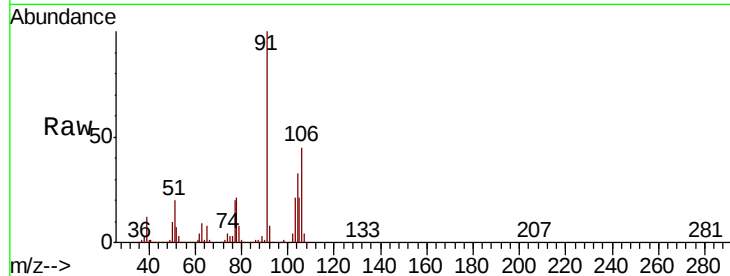




#69
o-Xylene
Concen: 53.242 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

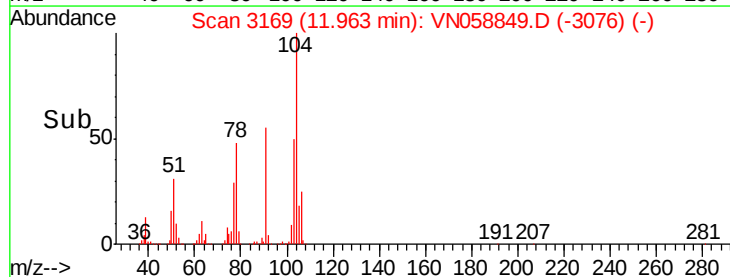
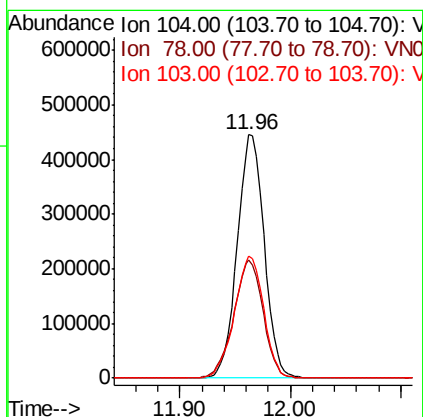
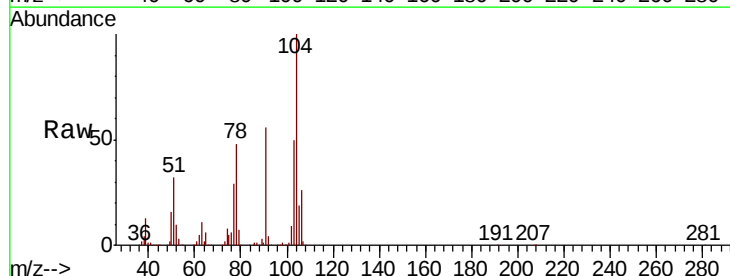
Instrument :
MSVOA_N
ClientSampleId :

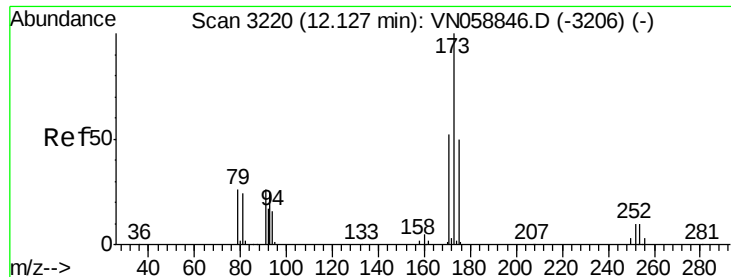
Tot Ion:106 Resp: 446757
Ion Ratio Lower Upper
106 100
91 221.8 111.5 334.4



#70
Styrene
Concen: 48.906 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion:104 Resp: 756894
Ion Ratio Lower Upper
104 100
78 52.7 42.8 64.2
103 54.3 44.3 66.5





#71

Bromoform

Concen: 50.916 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

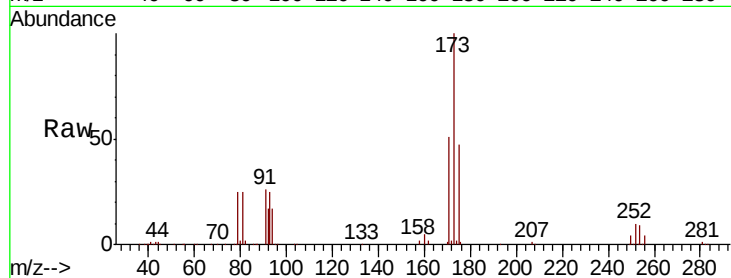
Tot Ion:173 Resp: 201497

Ion Ratio Lower Upper

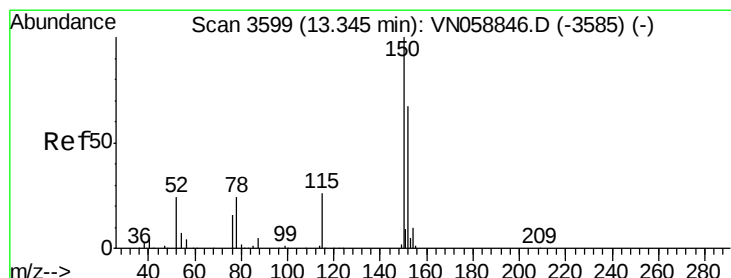
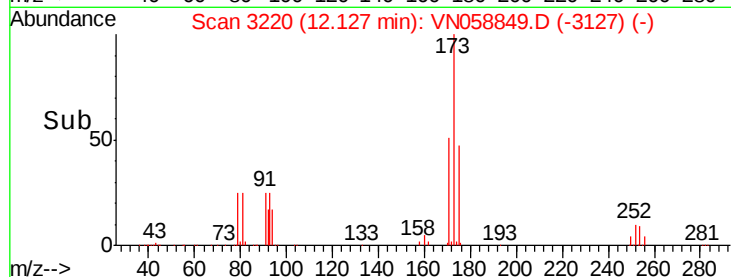
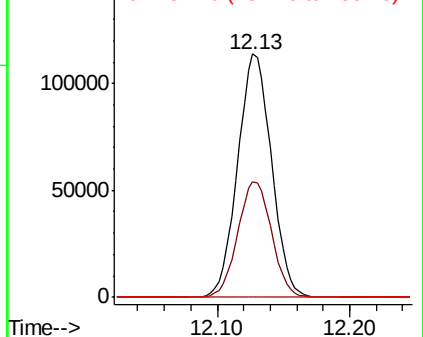
173 100

175 47.6 24.7 74.1

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

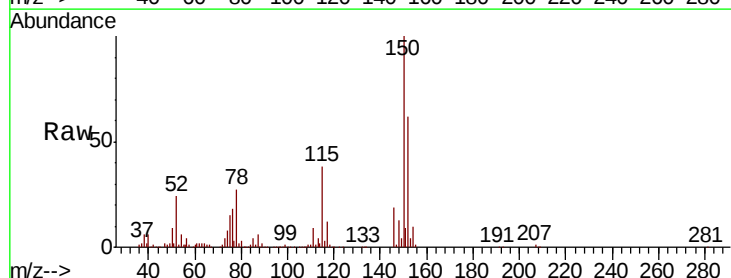
Tgt Ion:152 Resp: 324598

Ion Ratio Lower Upper

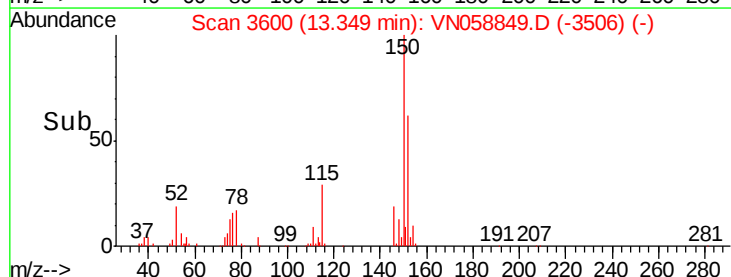
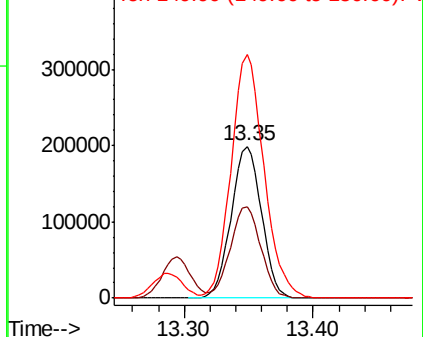
152 100

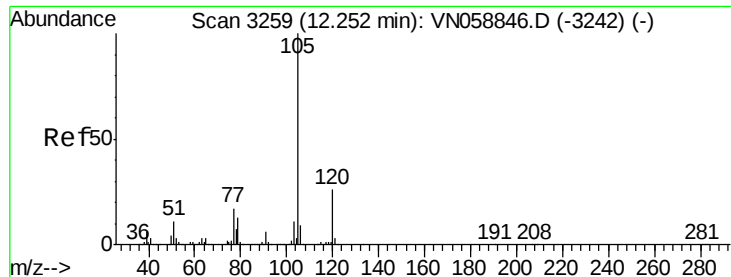
115 60.6 30.5 91.5

150 174.1 0.0 344.4



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

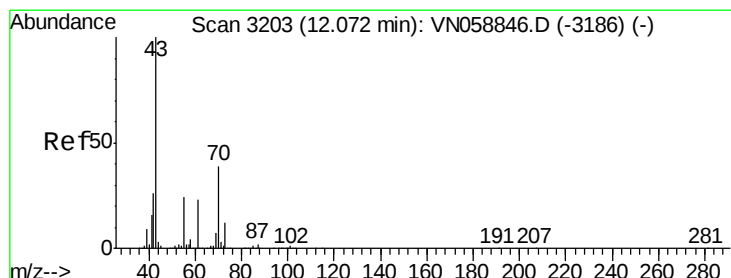
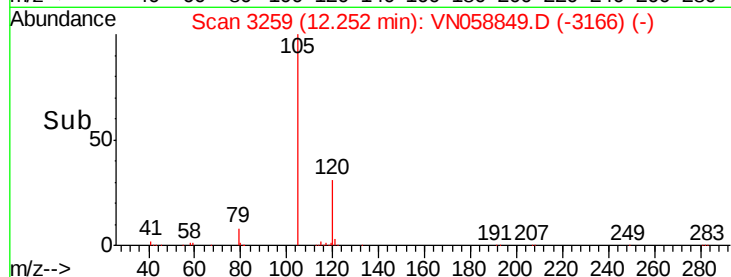
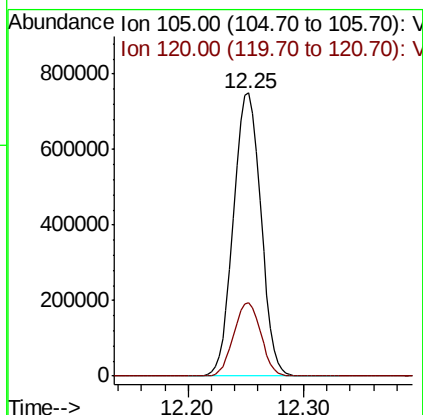
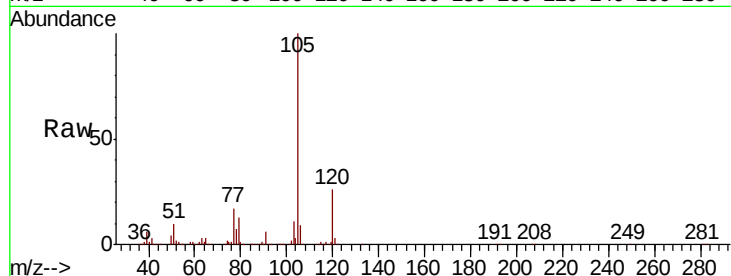




#73
Isopropylbenzene
Concen: 51.747 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

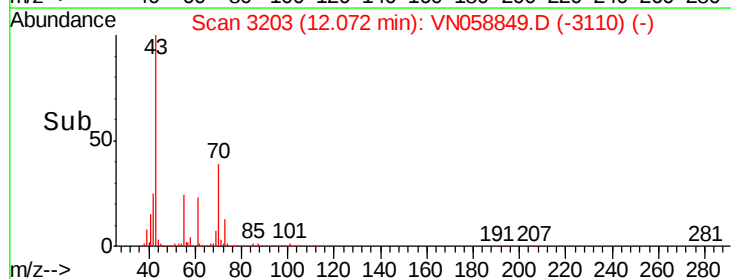
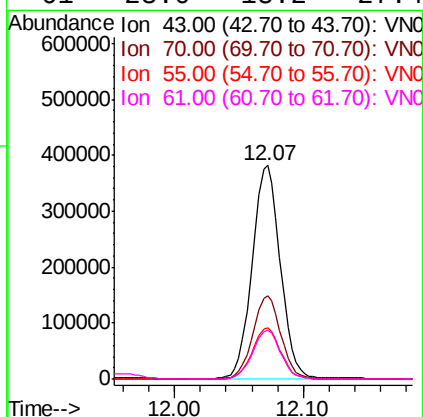
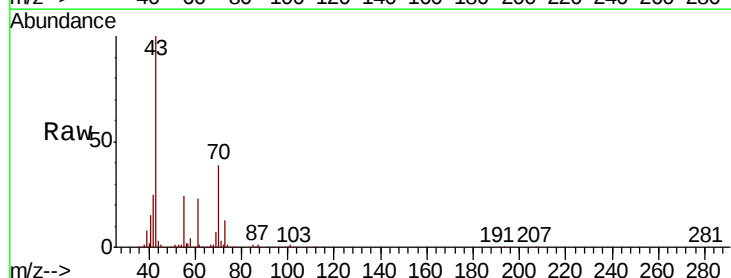
Instrument :
MSVOA_N
ClientSampleId :

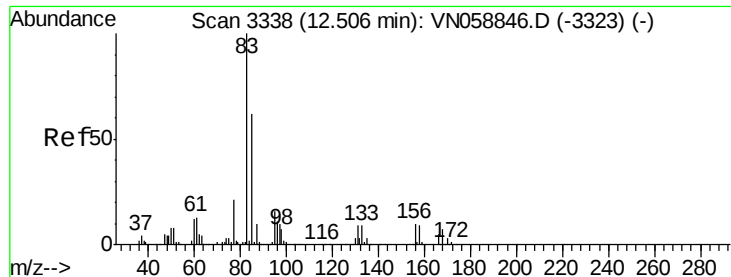
Tot Ion:105 Resp: 1227540
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.4



#74
N-ethyl acetate
Concen: 53.944 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion: 43 Resp: 580147
Ion Ratio Lower Upper
43 100
70 39.0 30.9 46.3
55 24.2 19.7 29.5
61 23.0 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.194 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

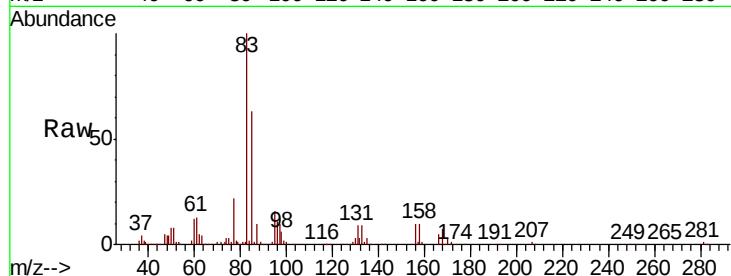
Tot Ion: 83 Resp: 401996

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.1

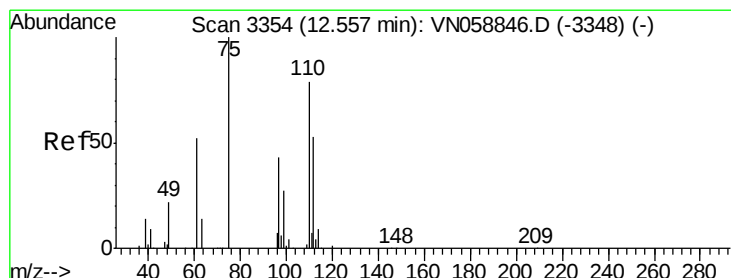
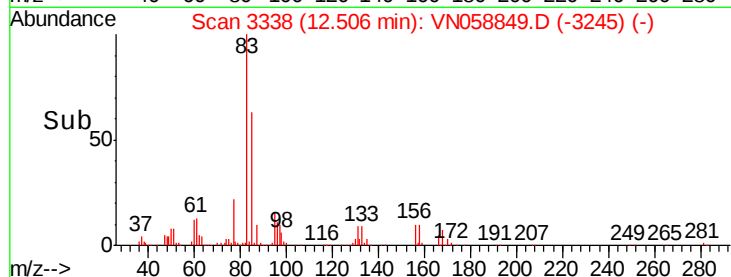
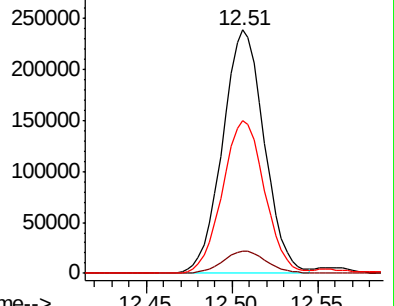
85 63.2 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN058849.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058849.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058849.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 72.048 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058849.D

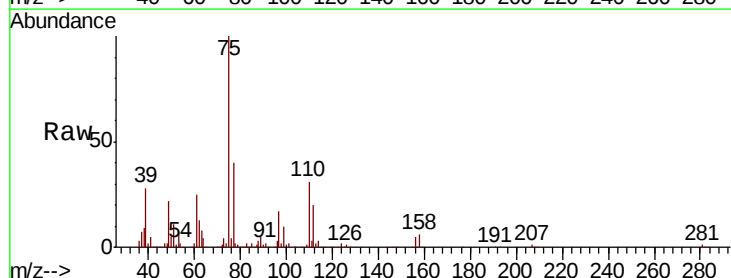
Acq: 18 Oct 2019 11:27

Tgt Ion: 75 Resp: 542010

Ion Ratio Lower Upper

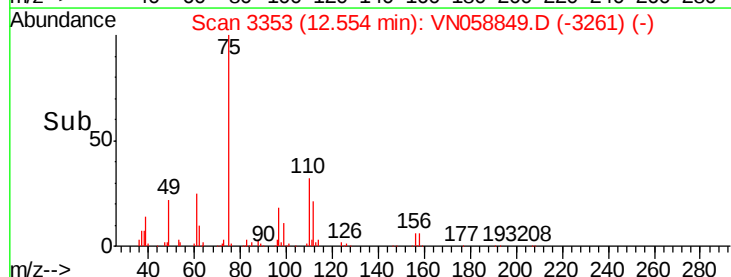
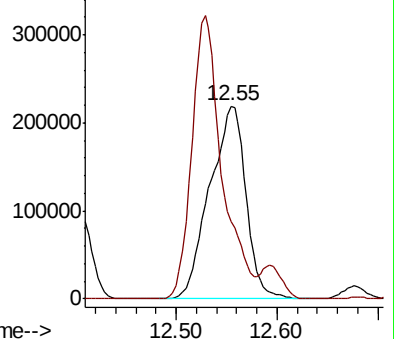
75 100

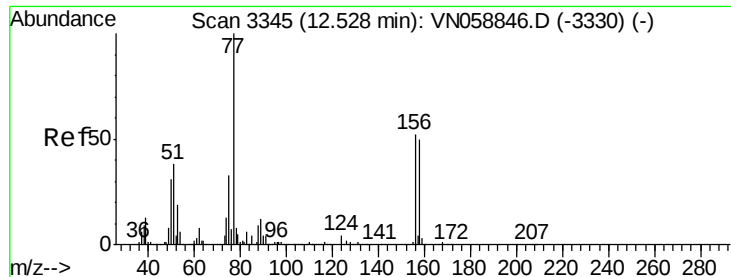
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058849.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058849.D (-3261) (-)





#77

Bromobenzene

Concen: 48.704 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

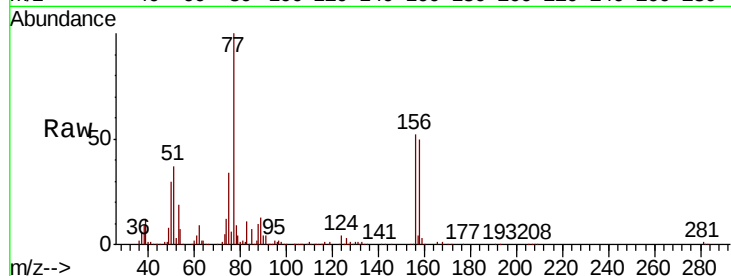
Tot Ion:156 Resp: 284776

Ion Ratio Lower Upper

156 100

77 236.3 118.0 354.0

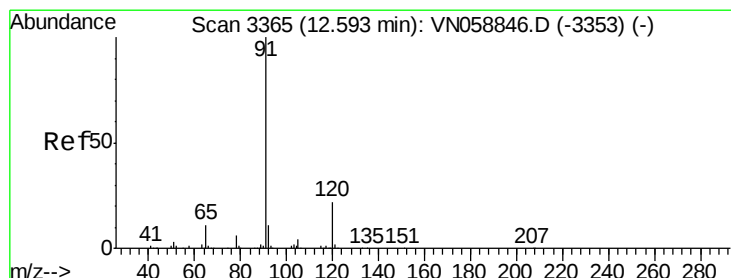
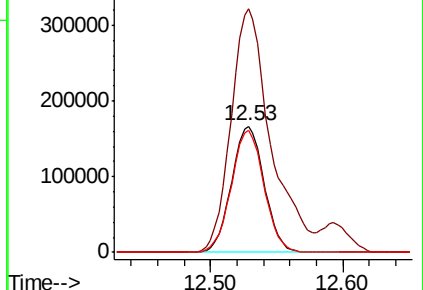
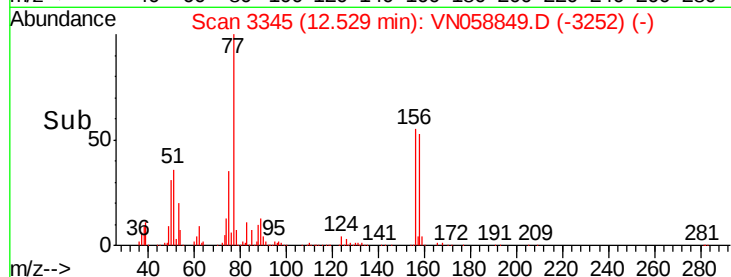
158 96.8 48.3 144.8



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: 52.249 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058849.D

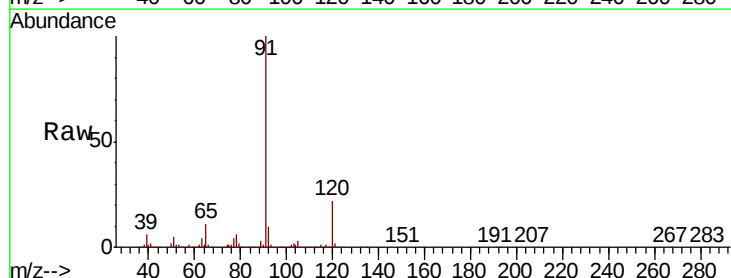
Acq: 18 Oct 2019 11:27

Tgt Ion: 91 Resp: 1465081

Ion Ratio Lower Upper

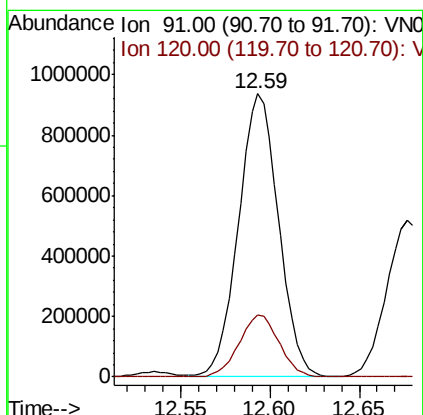
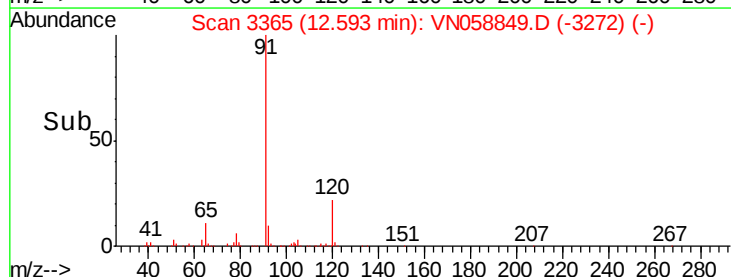
91 100

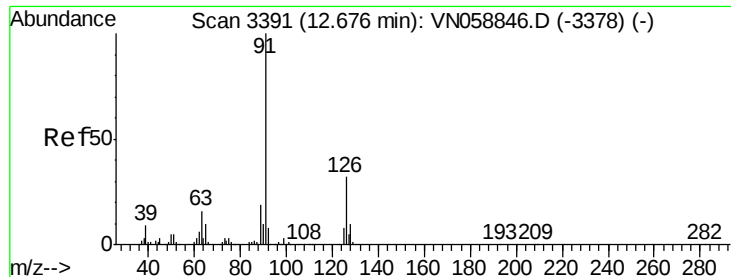
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.582 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

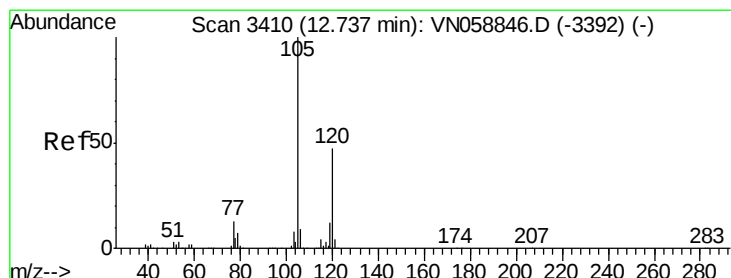
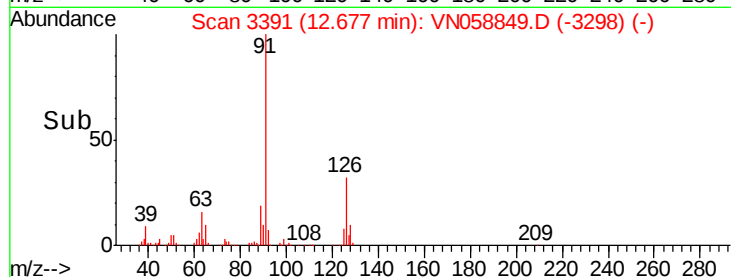
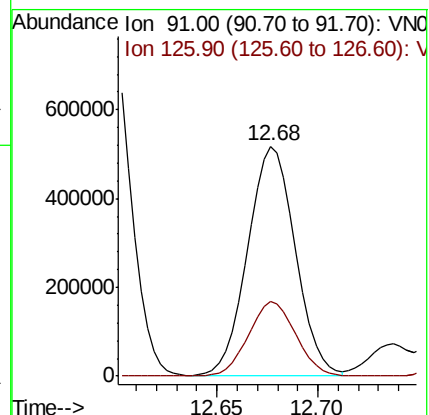
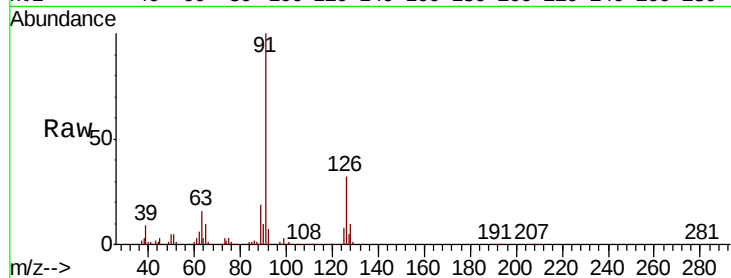
ClientSampleId :

Tot Ion: 91 Resp: 850916

Ion Ratio Lower Upper

91 100

126 32.6 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 52.549 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058849.D

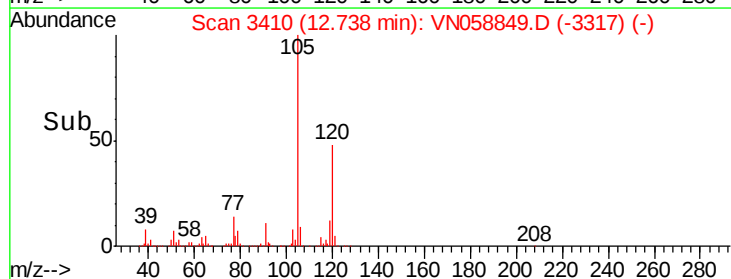
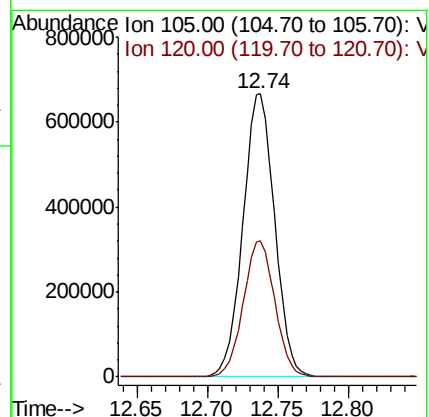
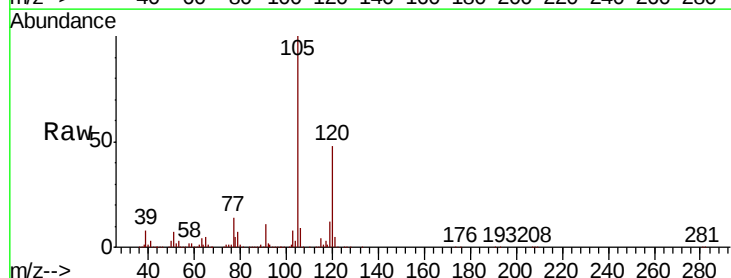
Acq: 18 Oct 2019 11:27

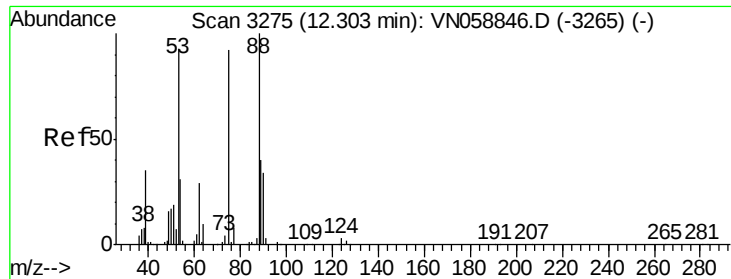
Tgt Ion: 105 Resp: 1047352

Ion Ratio Lower Upper

105 100

120 48.1 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 50.536 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

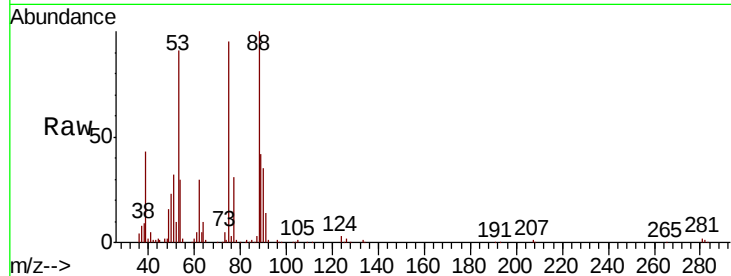
Tot Ion: 75 Resp: 145936

Ion Ratio Lower Upper

75 100

53 96.9 78.6 118.0

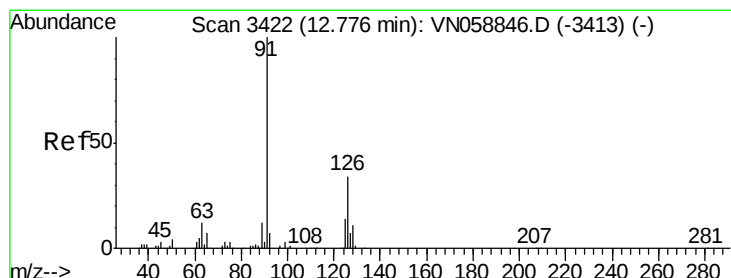
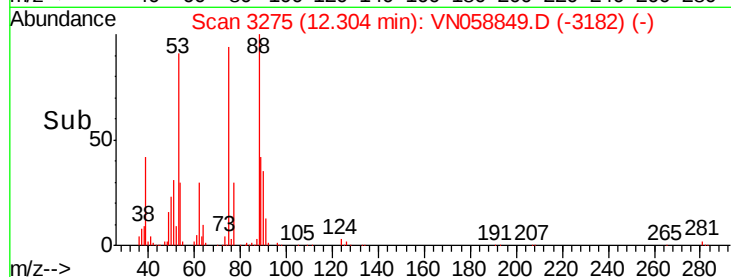
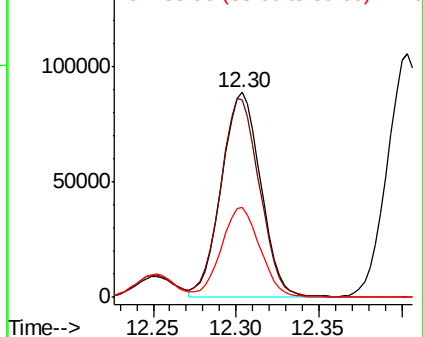
89 43.0 35.4 53.0



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: 50.476 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058849.D

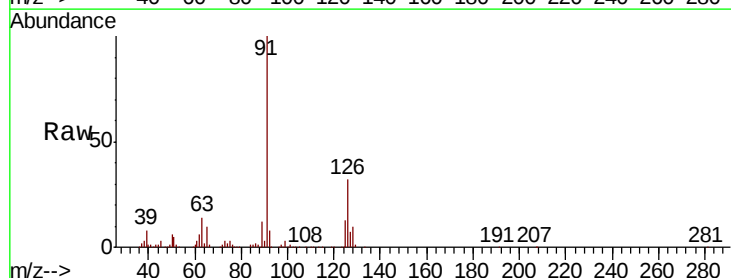
Acq: 18 Oct 2019 11:27

Tgt Ion: 91 Resp: 885262

Ion Ratio Lower Upper

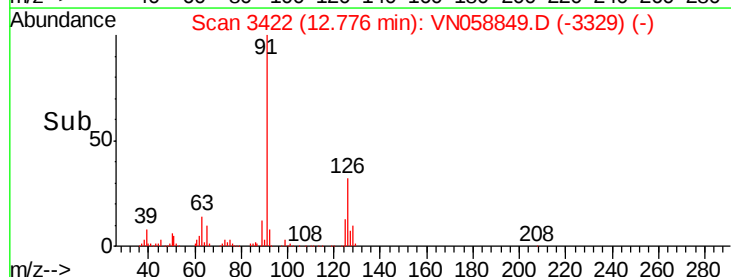
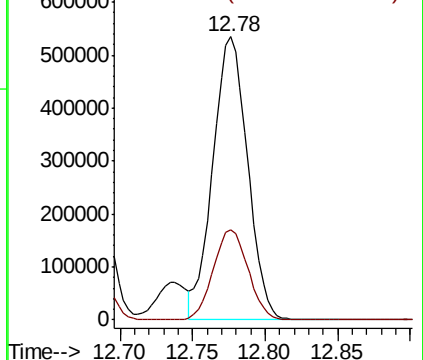
91 100

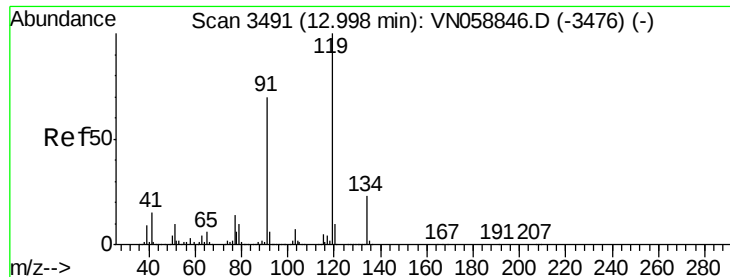
126 32.1 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 51.932 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

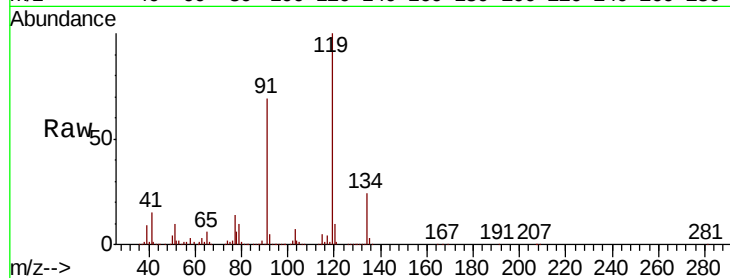
Tot Ion:119 Resp: 885103

Ion Ratio Lower Upper

119 100

91 67.6 34.1 102.3

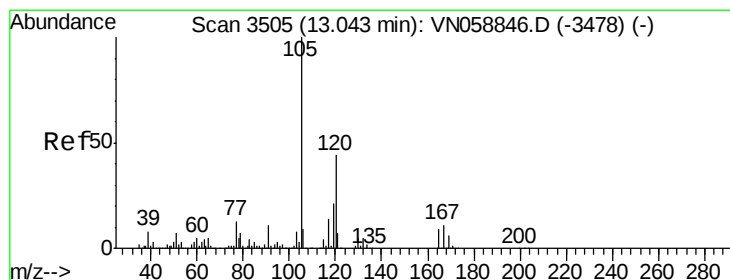
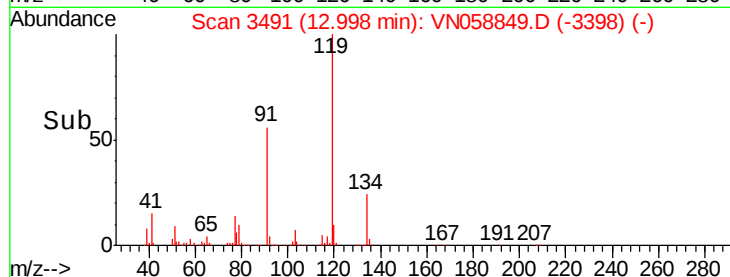
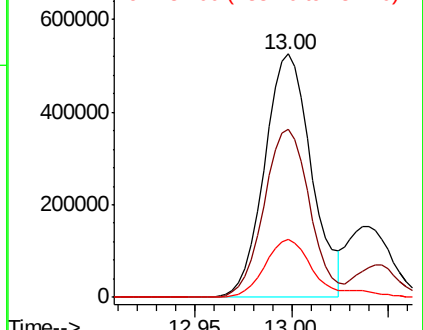
134 25.3 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.764 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058849.D

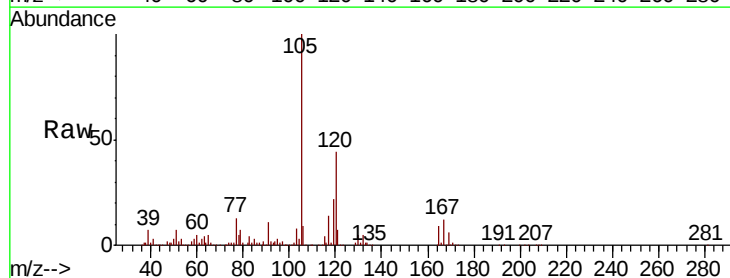
Acq: 18 Oct 2019 11:27

Tgt Ion:105 Resp: 1056921

Ion Ratio Lower Upper

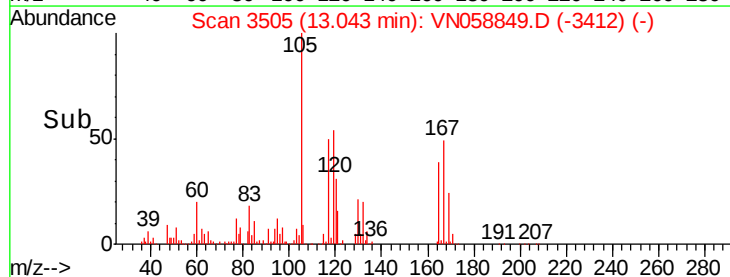
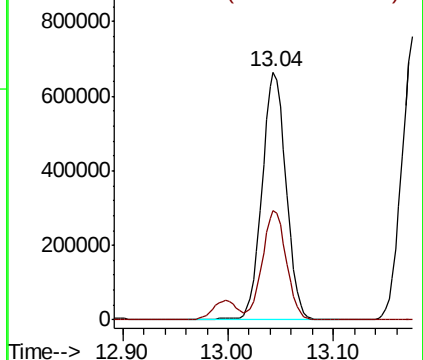
105 100

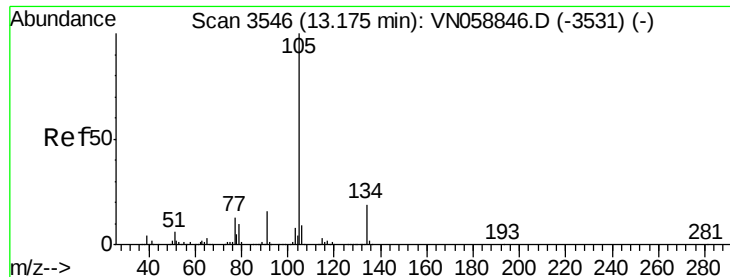
120 44.1 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.110 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

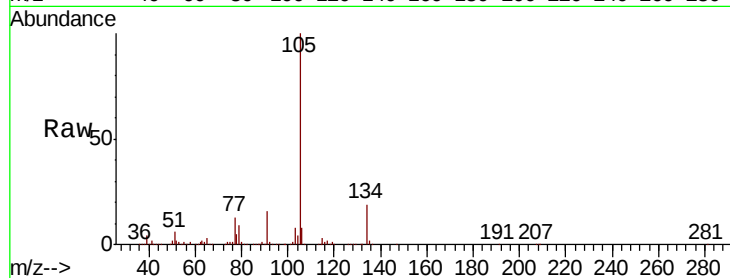
ClientSampleId :

Tot Ion:105 Resp: 1206843

Ion Ratio Lower Upper

105 100

134 19.3 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

800000

600000

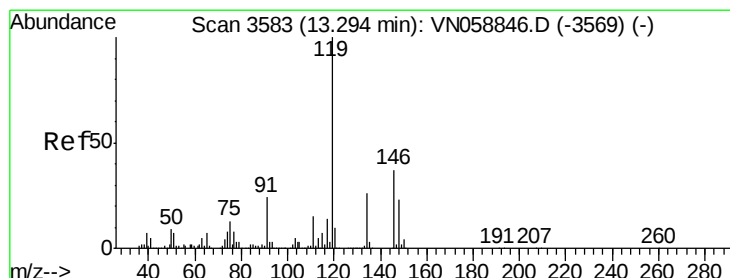
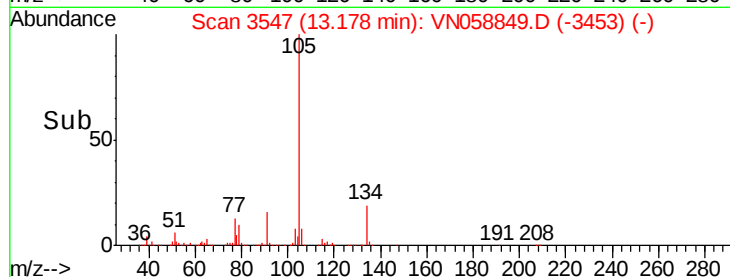
400000

200000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 54.242 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

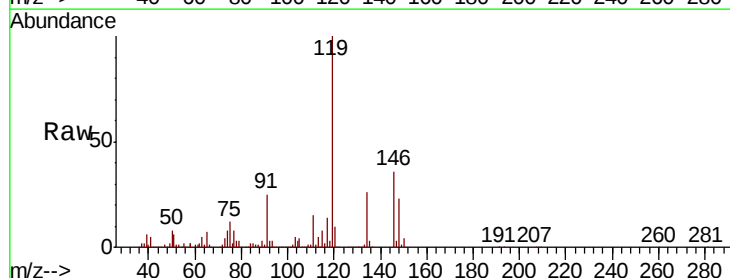
Tgt Ion:119 Resp: 1087553

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.4 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

600000

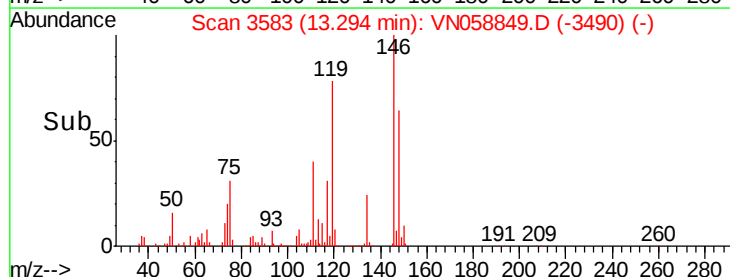
400000

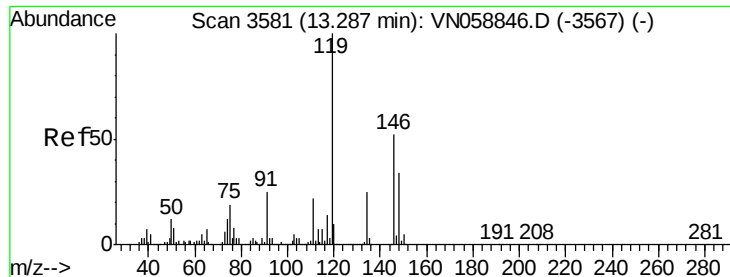
200000

0

Time-->

13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 49.912 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

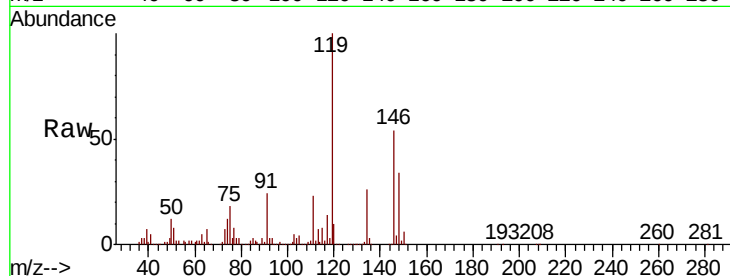
Tot Ion:146 Resp: 521826

Ion Ratio Lower Upper

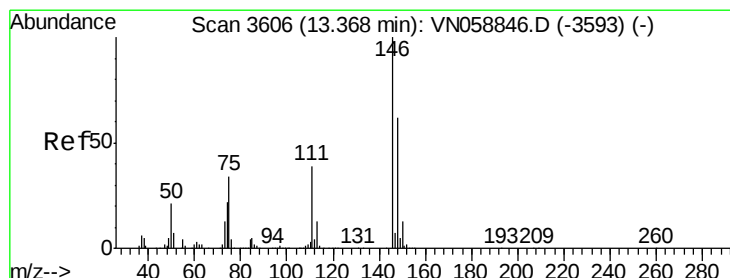
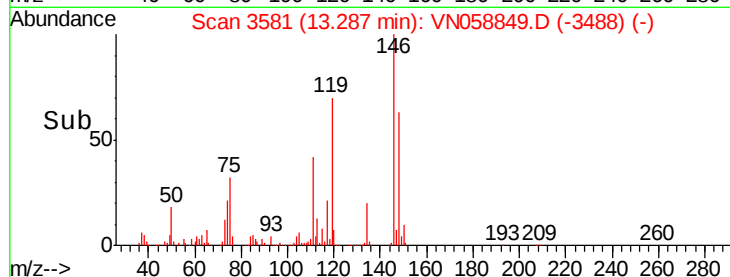
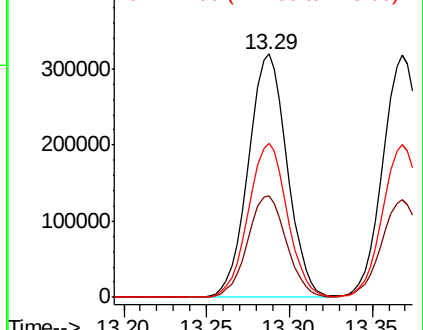
146 100

111 41.9 21.0 63.0

148 63.6 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 49.366 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

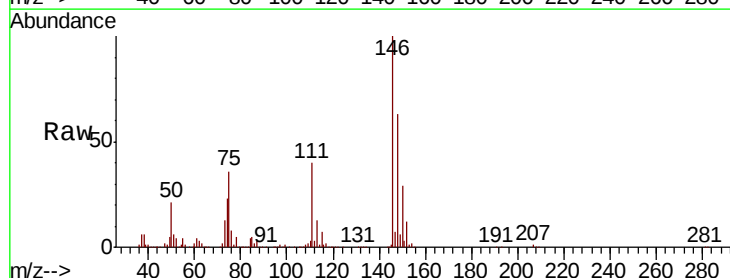
Tgt Ion:146 Resp: 516741

Ion Ratio Lower Upper

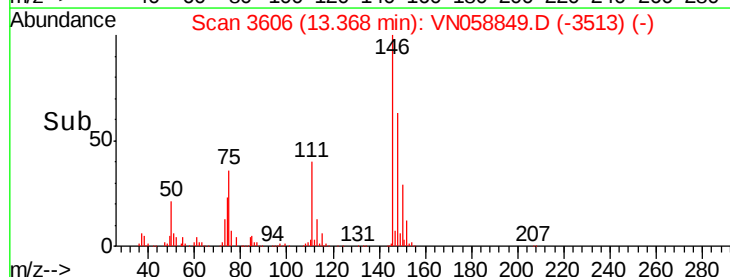
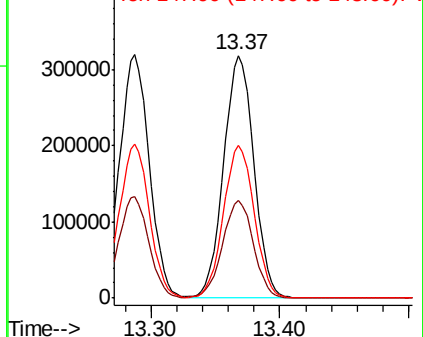
146 100

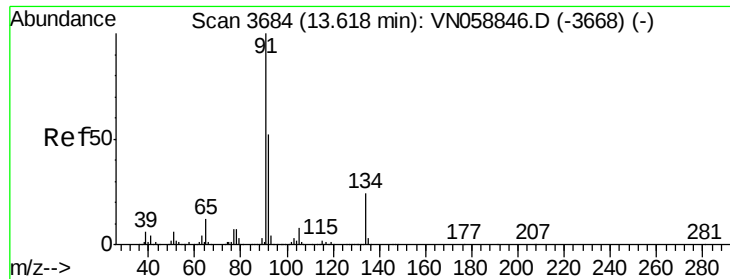
111 41.1 20.2 60.6

148 64.1 31.6 94.7



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





#89

n-Butylbenzene

Concen: 54.334 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

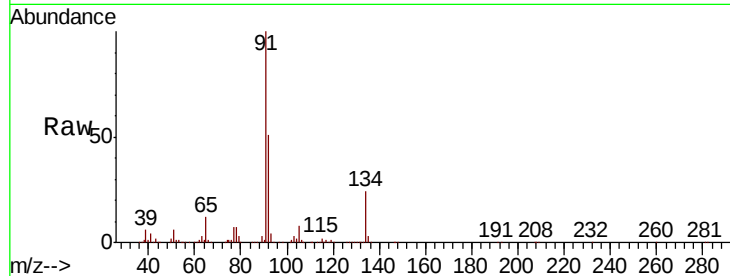
Tot Ion: 91 Resp: 1000722

Ion Ratio Lower Upper

91 100

92 51.2 25.7 77.1

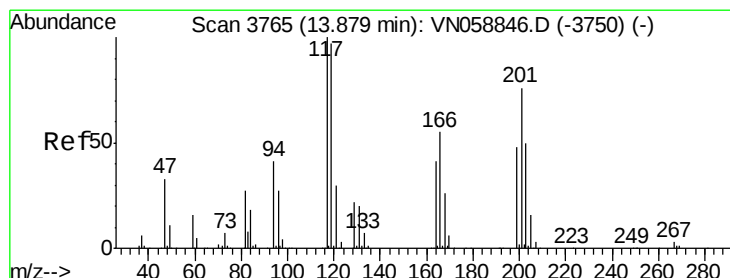
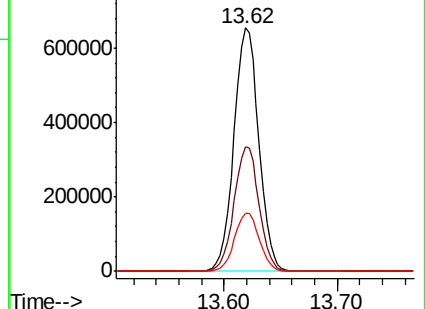
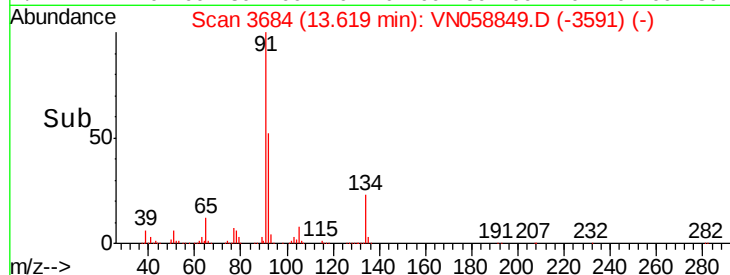
134 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058849.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058849.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058849.D (-3668) (-)



#90

Hexachloroethane

Concen: 48.000 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058849.D

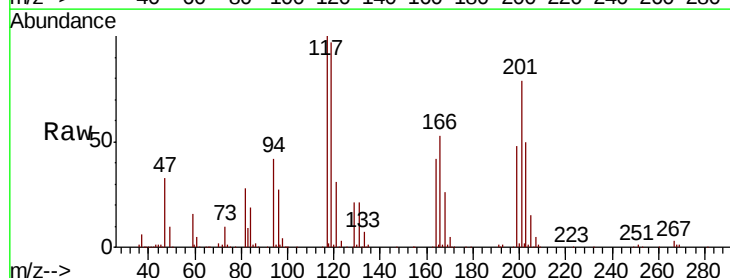
Acq: 18 Oct 2019 11:27

Tgt Ion: 117 Resp: 195016

Ion Ratio Lower Upper

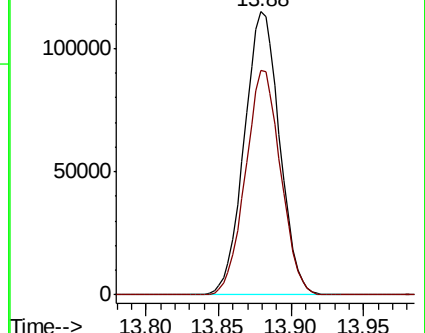
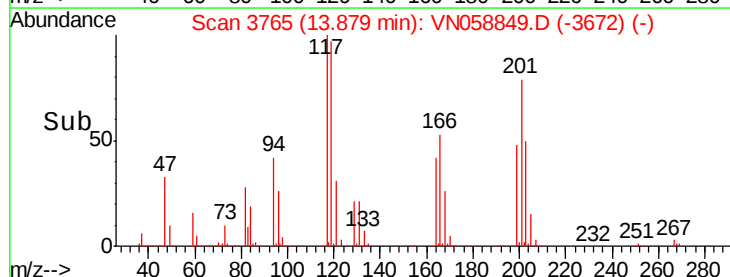
117 100

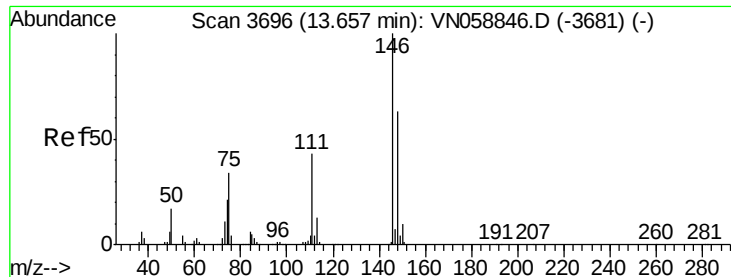
201 79.1 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058849.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058849.D (-3750) (-)





#91

1,2-Dichlorobenzene

Concen: 50.138 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

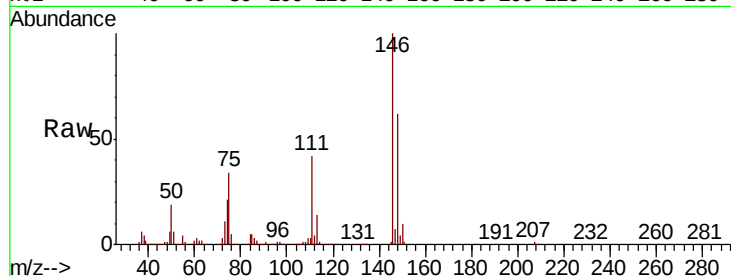
Tot Ion:146 Resp: 515212

Ion Ratio Lower Upper

146 100

111 42.6 21.6 64.8

148 63.5 31.9 95.9

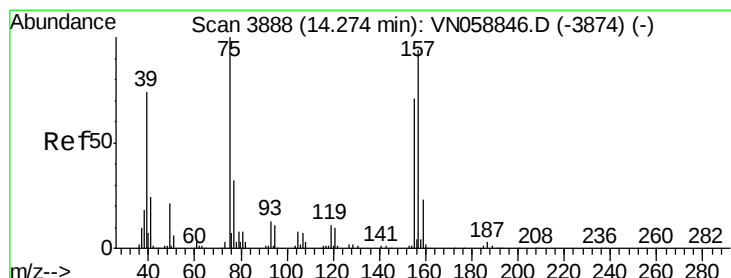
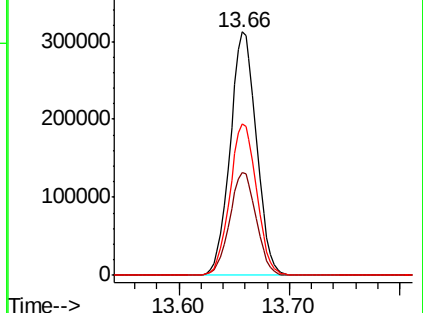
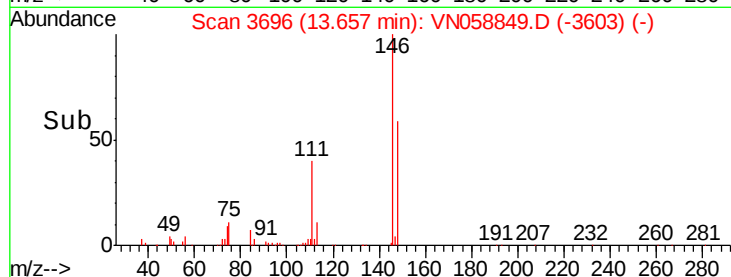


Abundance

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: 46.512 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

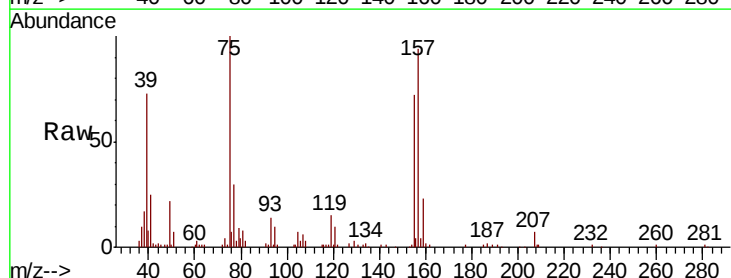
Tgt Ion: 75 Resp: 87750

Ion Ratio Lower Upper

75 100

155 74.3 35.6 106.8

157 94.8 47.4 142.2

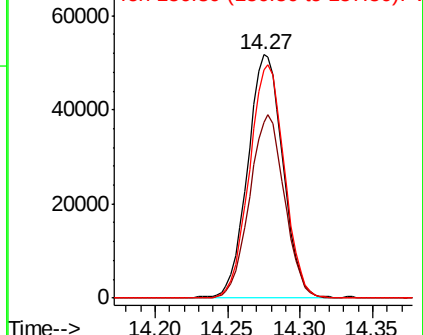
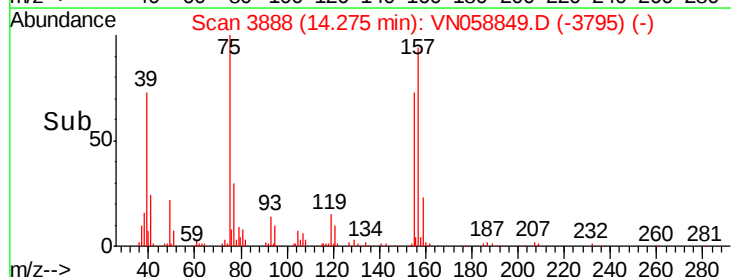


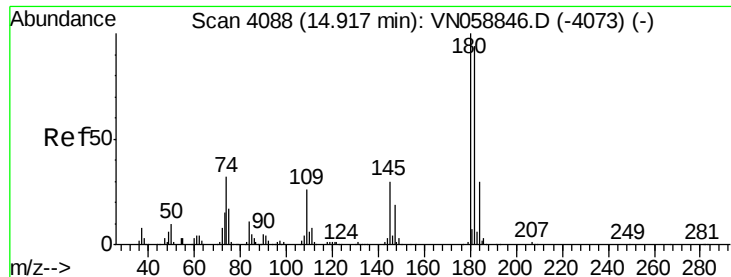
Abundance

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

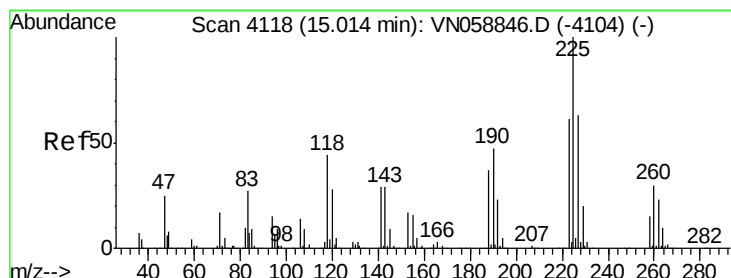
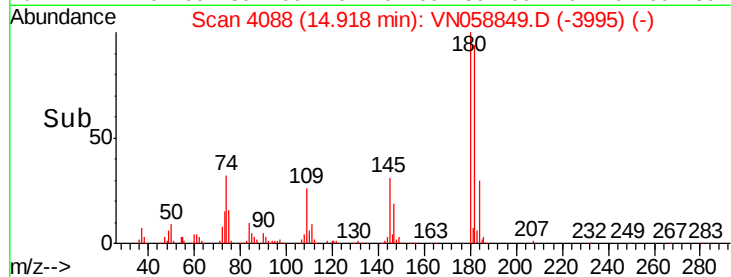
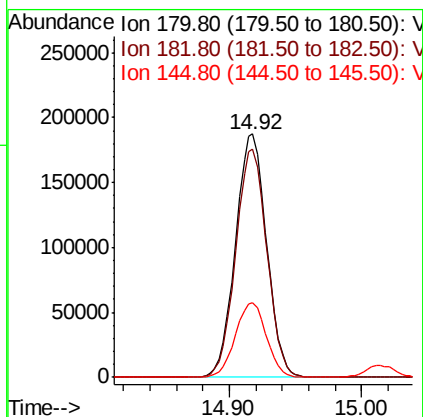
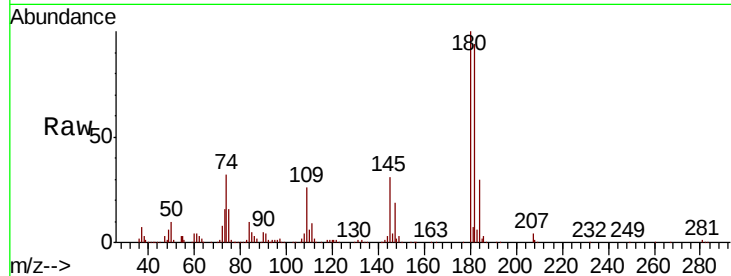




#93
1,2,4-Trichlorobenzene
Concen: 47.283 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

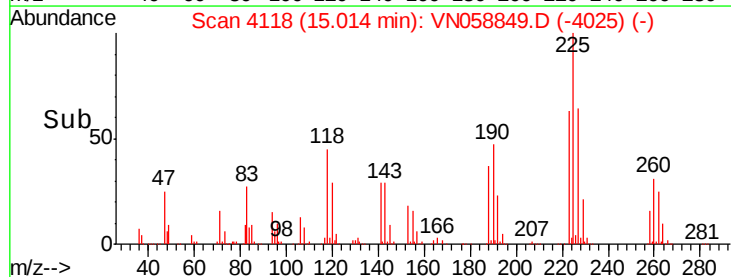
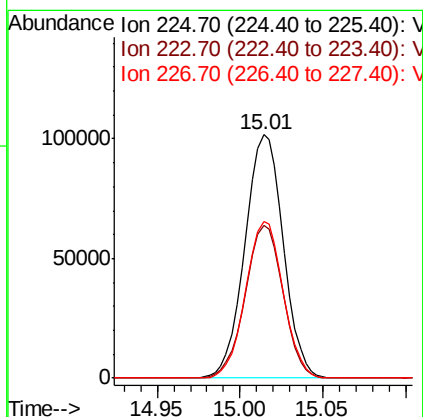
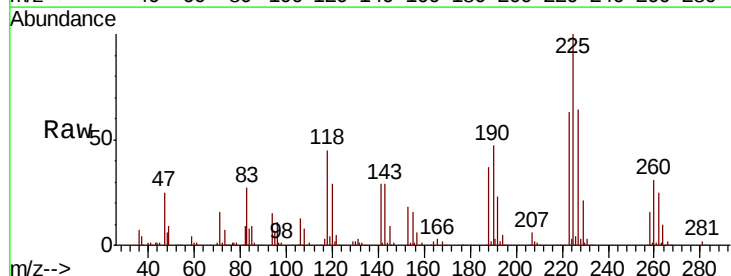
Instrument :
MSVOA_N
ClientSampled :

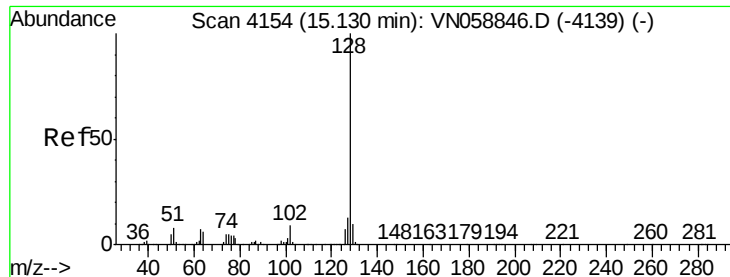
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.3	142.0
145	30.8	15.3	45.8



#94
Hexachlorobutadiene
Concen: 49.138 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN058849.D
Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.9	92.5
227	63.2	31.6	94.7





#95

Naphthalene

Concen: 47.056 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

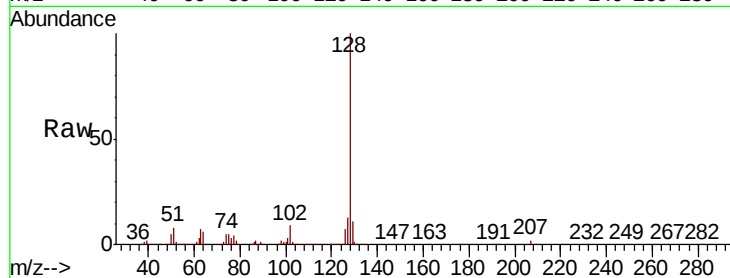
Tot Ion:128 Resp: 872351

Ion Ratio Lower Upper

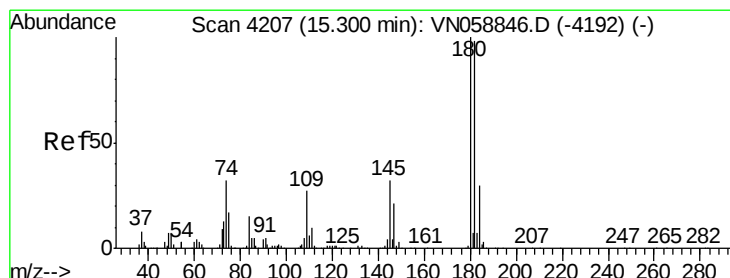
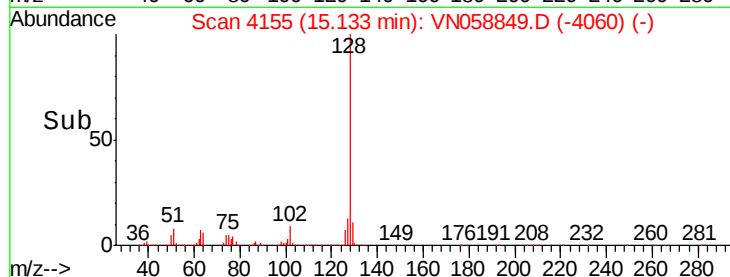
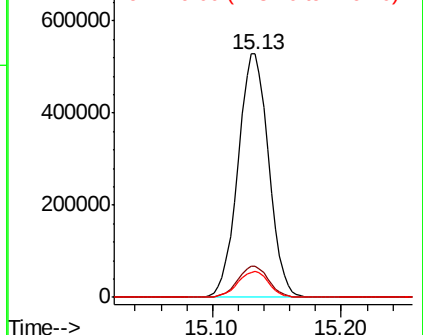
128 100

127 12.8 10.2 15.2

129 10.7 8.4 12.6



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: 46.735 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058849.D

Acq: 18 Oct 2019 11:27

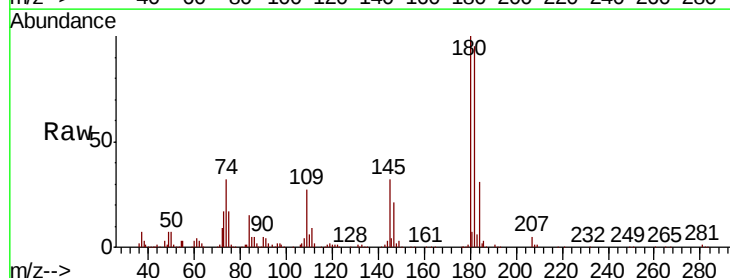
Tgt Ion:180 Resp: 293287

Ion Ratio Lower Upper

180 100

182 94.9 47.9 143.7

145 32.3 15.9 47.7



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

