

Data File : VN058871.D
Acq On : 18 Oct 2019 20:06
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 21 08:04:13 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	371766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	600901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	284327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	281257	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
35) Dibromofluoromethane	7.57	113	202184	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	10.08	98	787567	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.40	95	294275	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	226831	48.937	ug/l	98
3) Chloromethane	2.04	50	278978	48.596	ug/l	100
4) Vinyl Chloride	2.17	62	274871	48.223	ug/l	97
5) Bromomethane	2.54	94	174500	48.888	ug/l	96
6) Chloroethane	2.68	64	179901	49.217	ug/l	99
7) Trichlorofluoromethane	3.00	101	340757	48.315	ug/l	98
8) Diethyl Ether	3.39	74	120265	49.345	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	184216	47.115	ug/l	100
10) Methyl Iodide	3.93	142	251119	48.833	ug/l	99
11) Tert butyl alcohol	4.76	59	232411	256.858	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	180252	49.183	ug/l	98
13) Acrolein	3.58	56	153899	247.542	ug/l	100
14) Allyl chloride	4.30	41	367742	49.587	ug/l	99
15) Acrylonitrile	4.96	53	596285	261.988	ug/l	100
16) Acetone	3.79	43	567972	210.804	ug/l	100
17) Carbon Disulfide	4.03	76	560866	47.508	ug/l	100
18) Methyl Acetate	4.30	43	302090	49.316	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	669567	52.176	ug/l	99
20) Methylene Chloride	4.53	84	216711	47.105	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	200476	49.532	ug/l	97
22) Diisopropyl ether	5.93	45	761459	52.494	ug/l	98
23) Vinyl Acetate	5.87	43	3291808	282.457	ug/l	99
24) 1,1-Dichloroethane	5.82	63	418942	49.809	ug/l	100
25) 2-Butanone	6.81	43	871432	249.158	ug/l	99
26) 2,2-Dichloropropane	6.80	77	341563	46.948	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	237621	51.394	ug/l	99
28) Bromochloromethane	7.18	49	145567	51.966	ug/l	99
29) Tetrahydrofuran	7.19	42	579725	270.957	ug/l	99
30) Chloroform	7.35	83	415581	49.256	ug/l	99
31) Cyclohexane	7.63	56	371647	47.429	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	355719	50.020	ug/l	99
36) 1,1-Dichloropropene	7.77	75	310796	50.520	ug/l	100
37) Ethyl Acetate	6.91	43	354286	52.852	ug/l	99
38) Carbon Tetrachloride	7.76	117	312709	49.341	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	351048	50.819	ug/l	100
40) Benzene	8.02	78	915772	50.693	ug/l	99
41) Methacrylonitrile	7.19	41	531139	177.905	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	353761	50.836	ug/l	99
43) Isopropyl Acetate	8.15	43	565236	52.577	ug/l	100
44) Trichloroethene	8.82	130	219692	49.923	ug/l	100
45) 1,2-Dichloropropane	9.11	63	251061	50.681	ug/l	99
46) Dibromomethane	9.20	93	160065	51.112	ug/l	98
47) Bromodichloromethane	9.39	83	329579	51.062	ug/l	99
48) Methyl methacrylate	9.19	41	270326	55.422	ug/l	99
49) 1,4-Dioxane	9.19	88	84849	1059.697	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1816308	289.250	ug/l	100
52) Toluene	10.15	92	562457	52.503	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	370585	51.865	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	399361	52.315	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	224328	50.831	ug/l	99
56) Ethyl methacrylate	10.43	69	365488	49.331	ug/l	97
57) 1,3-Dichloropropane	10.70	76	400515	51.708	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	786729	251.288	ug/l	99
59) 2-Hexanone	10.75	43	1363978	281.101	ug/l	100
60) Dibromochloromethane	10.90	129	248988	52.416	ug/l	99
61) 1,2-Dibromoethane	11.00	107	234545	51.932	ug/l	100
64) Tetrachloroethene	10.63	164	196565	49.552	ug/l	98
65) Chlorobenzene	11.43	112	586518	50.862	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	224406	51.569	ug/l	98
67) Ethyl Benzene	11.51	91	1095662	54.163	ug/l	99
68) m/p-Xylenes	11.62	106	816806	108.880	ug/l	100
69) o-Xylene	11.95	106	384797	53.782	ug/l	100
70) Styrene	11.96	104	659939	49.971	ug/l	99
71) Bromoform	12.13	173	176348	52.261	ug/l #	98
73) Isopropylbenzene	12.25	105	1056303	50.835	ug/l	100
74) N-amyl acetate	12.07	43	512995	54.456	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	357998	48.998	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	484247	73.487	ug/l #	100
77) Bromobenzene	12.53	156	251302	49.067	ug/l	99
78) n-propylbenzene	12.59	91	1273904	51.866	ug/l	100
79) 2-Chlorotoluene	12.68	91	744727	49.541	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	912686	52.278	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	126308	49.934	ug/l	99
82) 4-Chlorotoluene	12.78	91	778879	50.701	ug/l	100
83) tert-Butylbenzene	13.00	119	767095	51.383	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	918065	53.315	ug/l	98
85) sec-Butylbenzene	13.17	105	1043213	52.412	ug/l	99
86) p-Isopropyltoluene	13.29	119	944107	53.757	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	459080	50.129	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	453132	49.421	ug/l	99
89) n-Butylbenzene	13.62	91	855782	53.045	ug/l	100
90) Hexachloroethane	13.88	117	173788	48.834	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	451055	50.111	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81023	49.029	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101819\
Quantitation Report (Not Reviewed)

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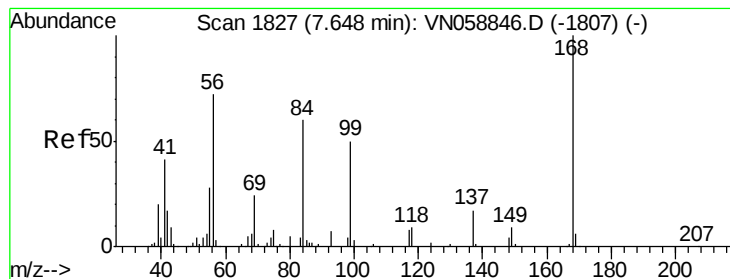
Quant Time: Oct 21 08:04:13 2019
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	276936	48.931	ug/l	100
94) Hexachlorobutadiene	15.01	225	137924	47.276	ug/l	97
95) Naphthalene	15.13	128	810491	49.777	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	273066	49.525	ug/l	100

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

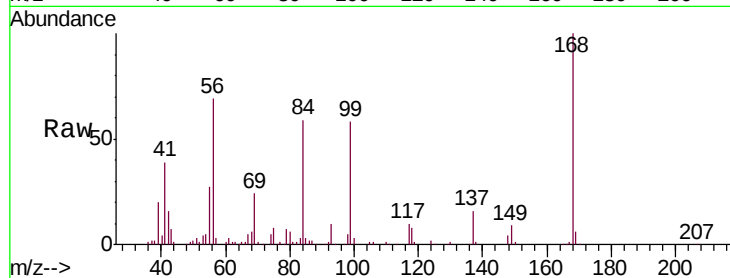
VSTDCCC050EC

Tgt Ion:168 Resp: 371766

Ion Ratio Lower Upper

168 100

99 58.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VN058846.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN058846.D (-1807) (-)

7.65

150000

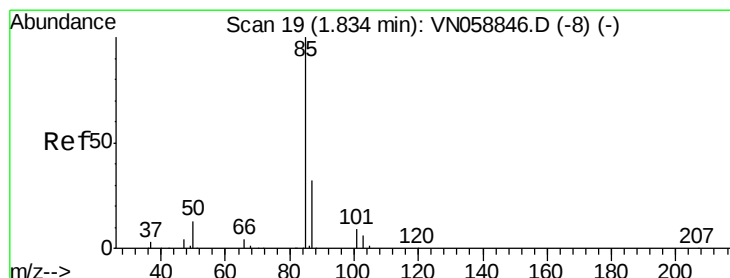
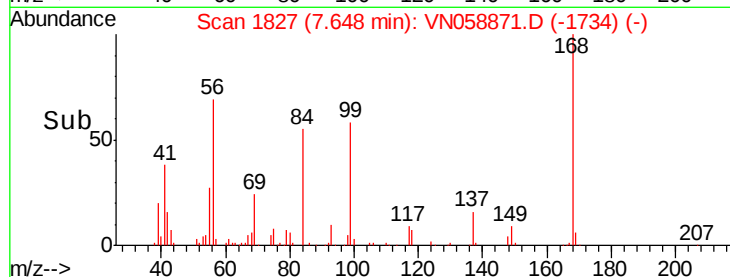
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.937 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058871.D

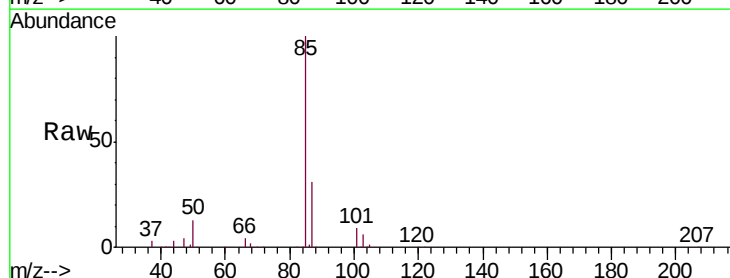
Acq: 18 Oct 2019 20:06

Tgt Ion: 85 Resp: 226831

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN058846.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN058846.D (-8) (-)

1.83

150000

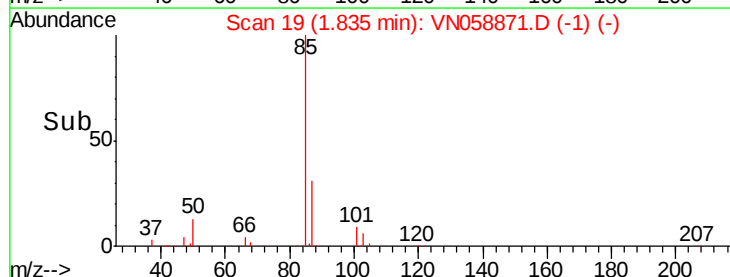
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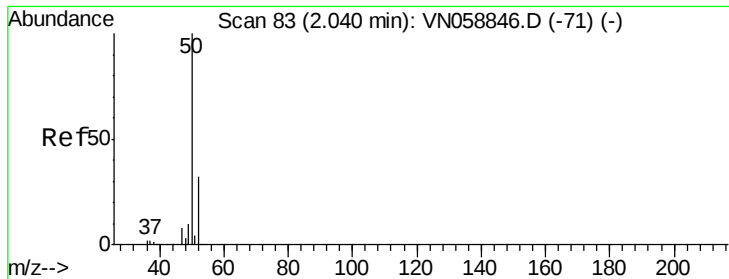
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 48.596 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

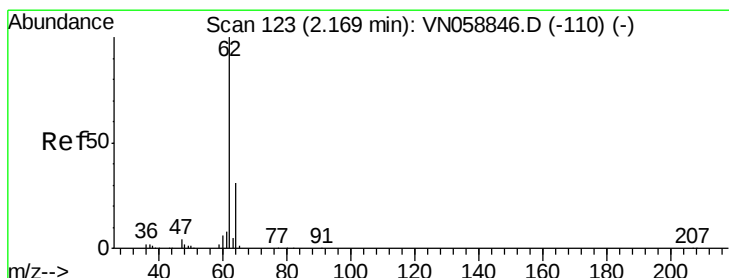
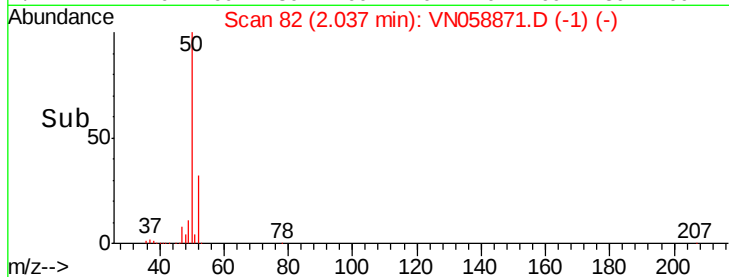
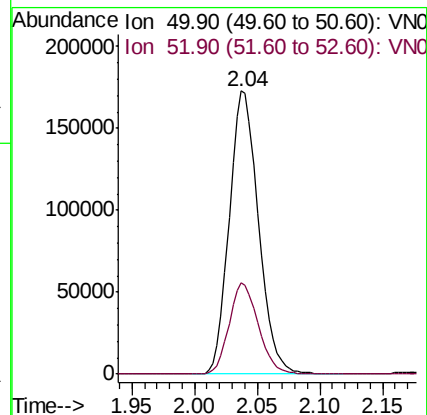
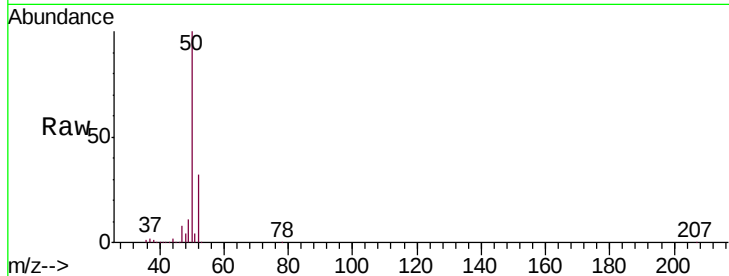
VSTDCCC050EC

Tgt Ion: 50 Resp: 278978

Ion Ratio Lower Upper

50 100

52 32.3 25.7 38.5



#4

Vinyl Chloride

Concen: 48.223 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058871.D

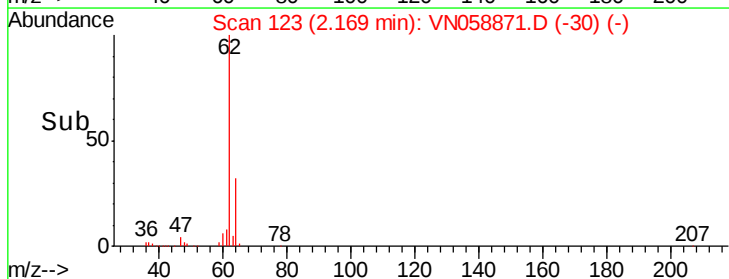
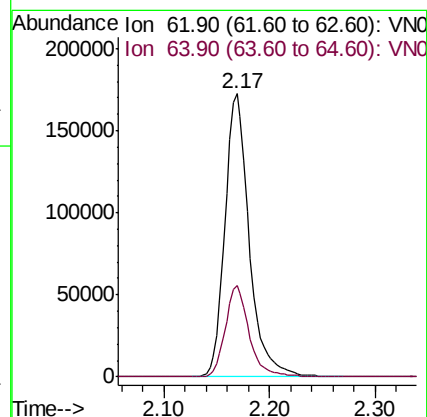
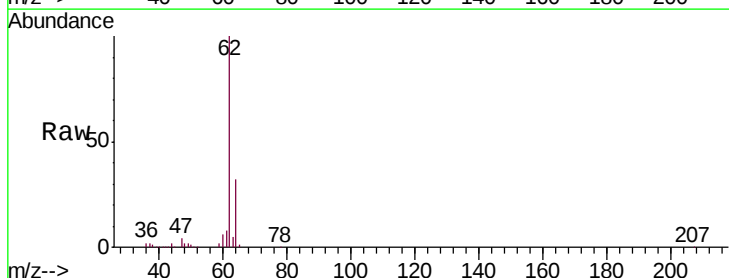
Acq: 18 Oct 2019 20:06

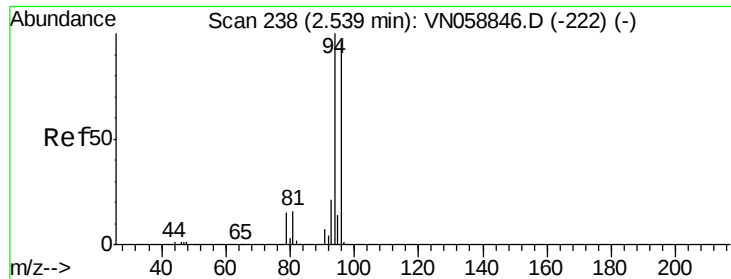
Tgt Ion: 62 Resp: 274871

Ion Ratio Lower Upper

62 100

64 32.1 24.6 36.8





#5

Bromomethane

Concen: 48.888 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

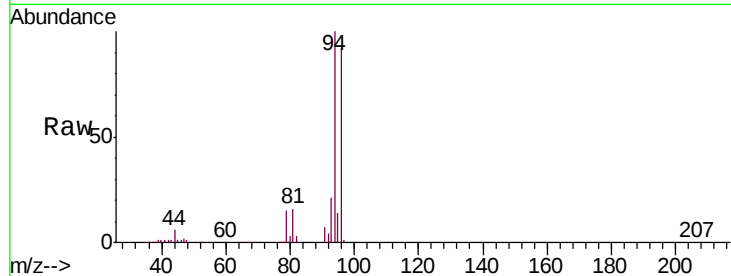
VSTDCCC050EC

Tgt Ion: 94 Resp: 174500

Ion Ratio Lower Upper

94 100

96 92.4 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN058871.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN058871.D (-145) (-)

2.54

80000

60000

40000

20000

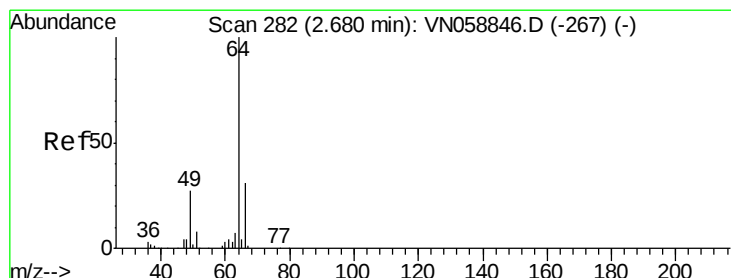
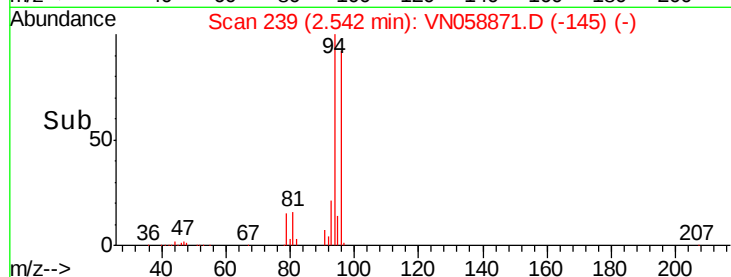
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 49.217 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058871.D

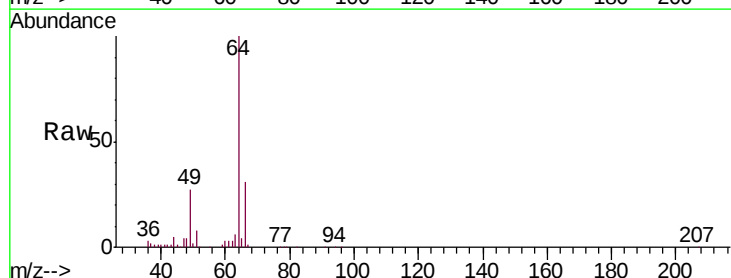
Acq: 18 Oct 2019 20:06

Tgt Ion: 64 Resp: 179901

Ion Ratio Lower Upper

64 100

66 30.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN058871.D (-189) (-)

Ion 65.90 (65.60 to 66.60): VN058871.D (-189) (-)

2.68

80000

60000

40000

20000

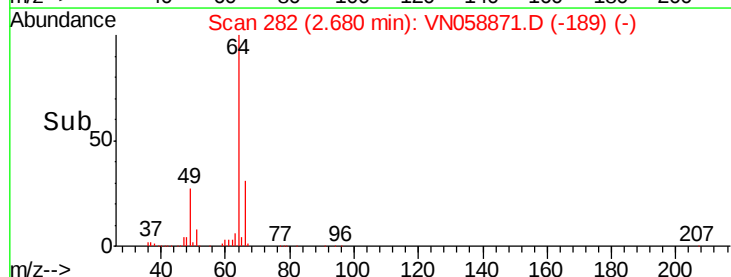
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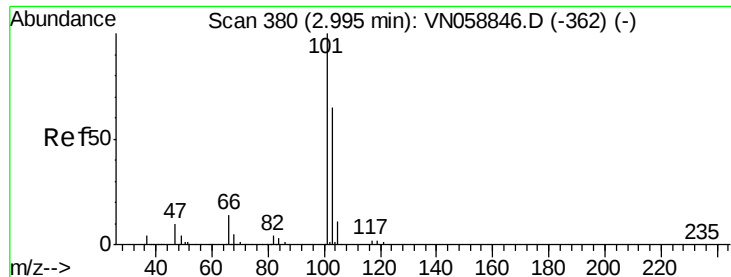
Time-->

2.60

2.70

2.80



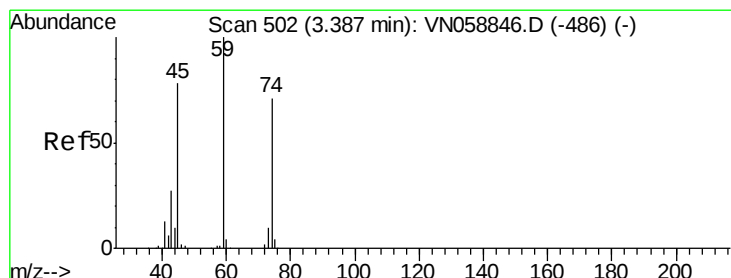
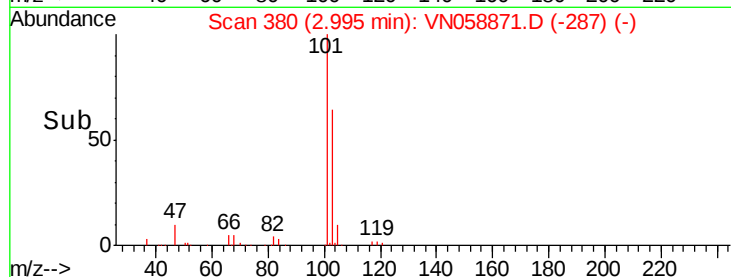
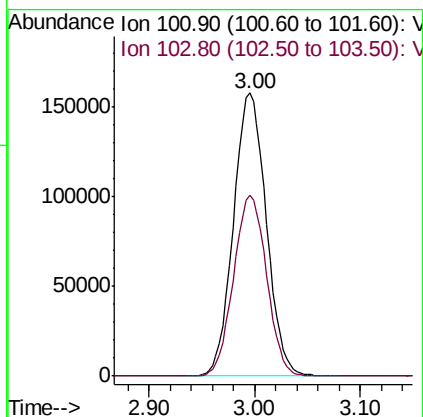
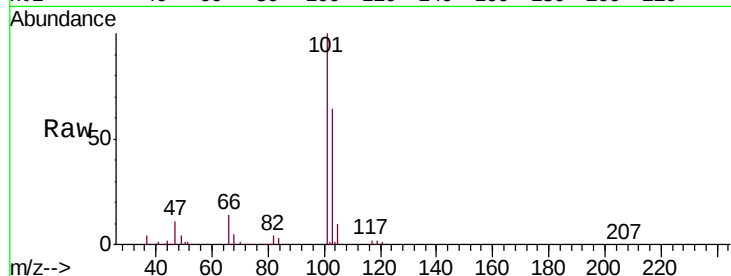


#7

Trichlorofluoromethane
Concen: 48.315 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

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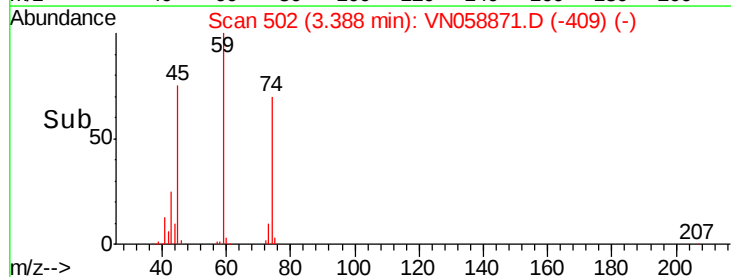
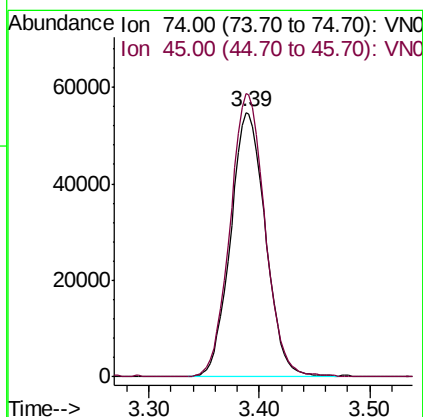
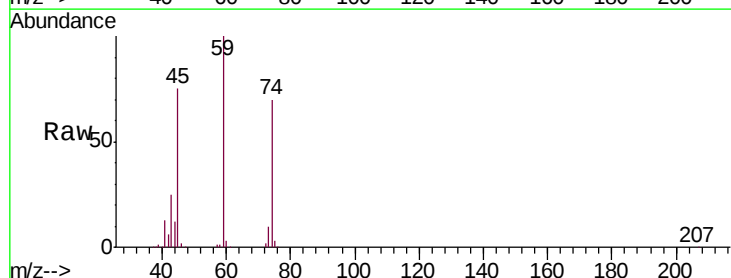
Tgt Ion:101 Resp: 340757
Ion Ratio Lower Upper
101 100
103 63.8 52.2 78.2

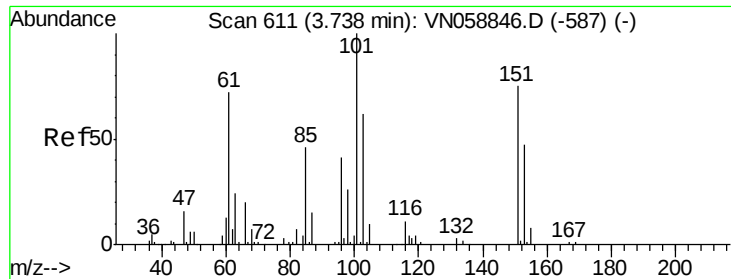


#8

Diethyl Ether
Concen: 49.345 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion: 74 Resp: 120265
Ion Ratio Lower Upper
74 100
45 107.6 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.115 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

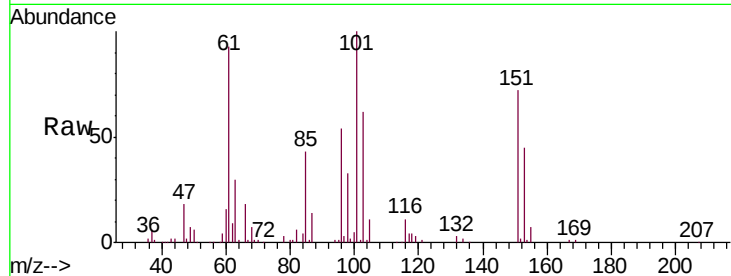
Tgt Ion:101 Resp: 184216

Ion Ratio Lower Upper

101 100

85 46.6 37.2 55.8

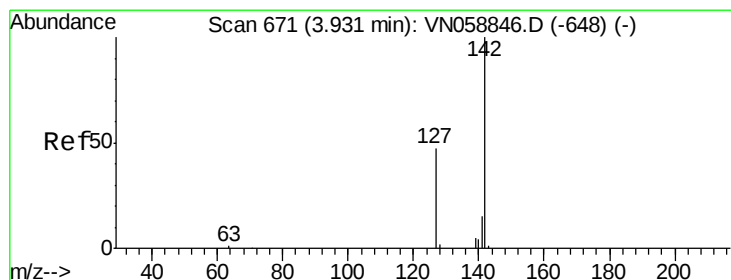
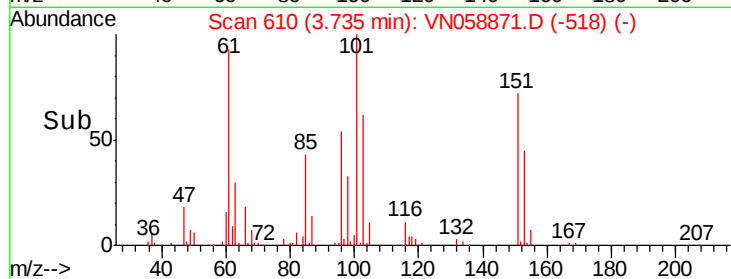
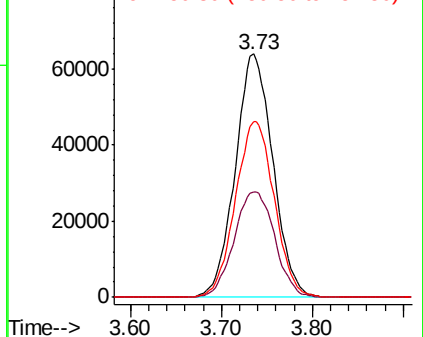
151 74.4 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.833 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

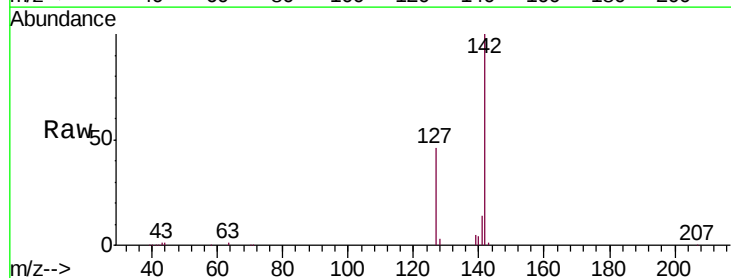
Tgt Ion:142 Resp: 251119

Ion Ratio Lower Upper

142 100

127 46.3 36.6 54.8

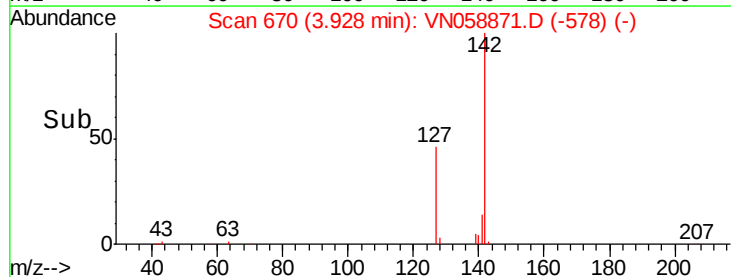
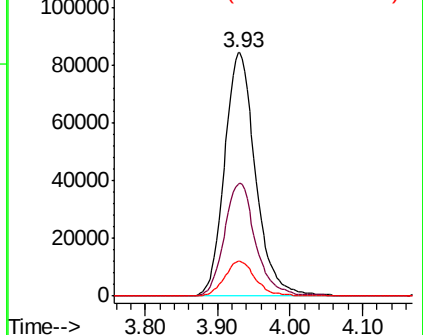
141 14.2 11.4 17.2

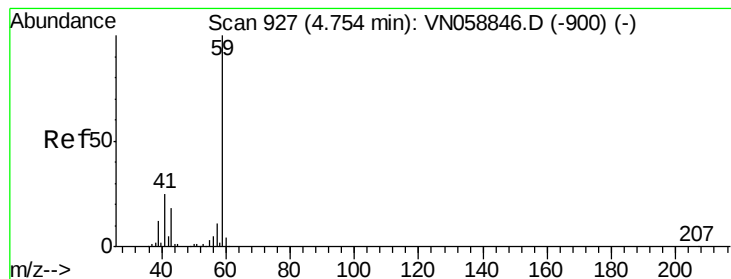


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



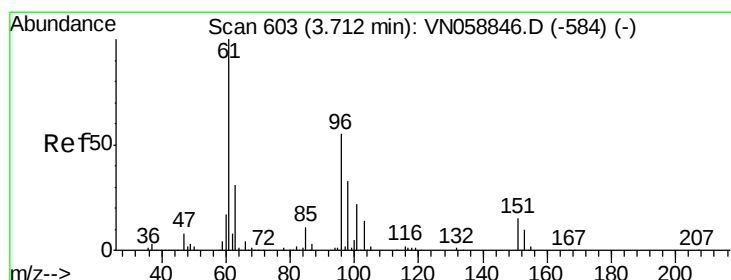
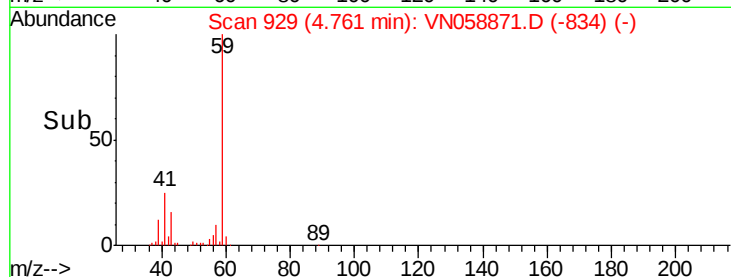
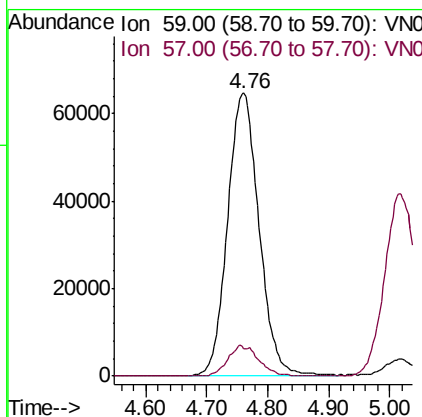
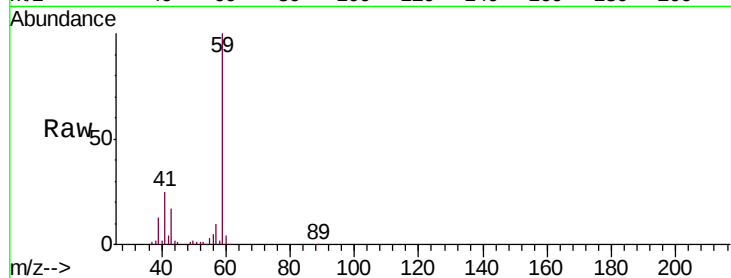


#11

Tert butyl alcohol
 Concen: 256.858 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

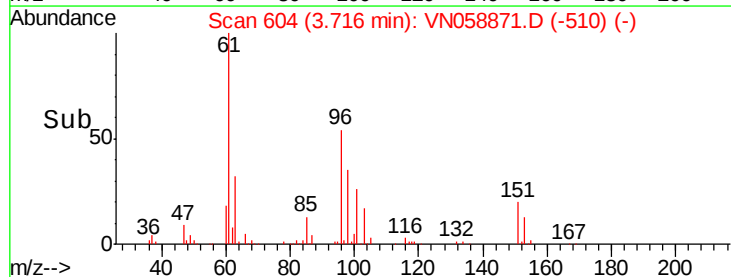
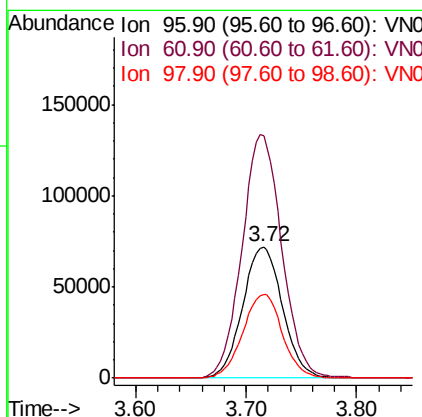
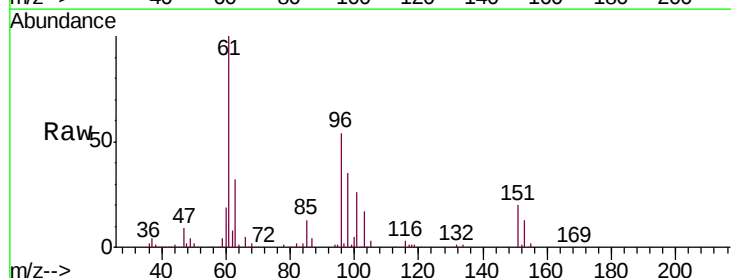
Tgt Ion: 59 Resp: 232411
 Ion Ratio Lower Upper
 59 100
 57 6.1 8.6 12.8#

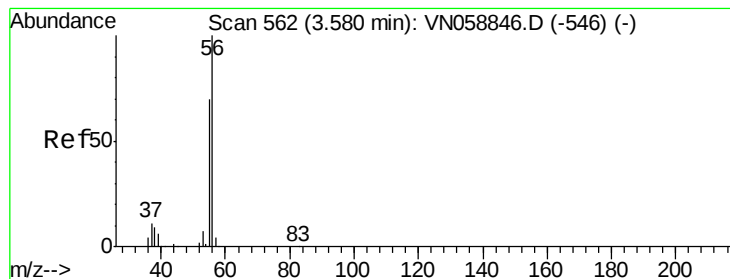


#12

1,1-Dichloroethene
 Concen: 49.183 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion: 96 Resp: 180252
 Ion Ratio Lower Upper
 96 100
 61 184.5 146.2 219.2
 98 64.2 48.7 73.1





#13

Acrolein

Concen: 247.542 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

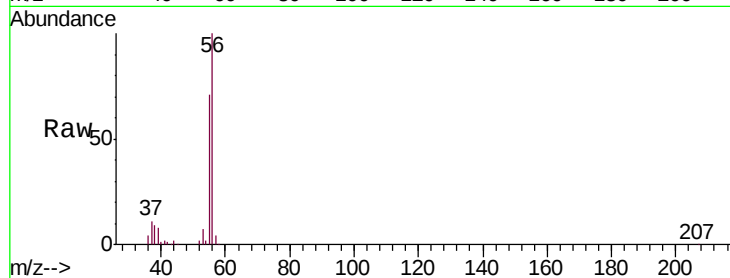
VSTDCCC050EC

Tgt Ion: 56 Resp: 153899

Ion Ratio Lower Upper

56 100

55 71.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN058846.D (-546) (-)

Ion 55.00 (54.70 to 55.70): VN058846.D (-546) (-)

3.58

60000

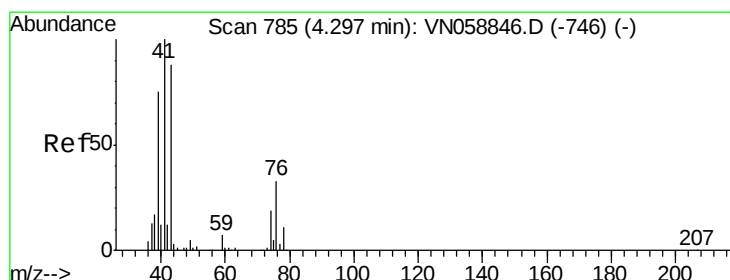
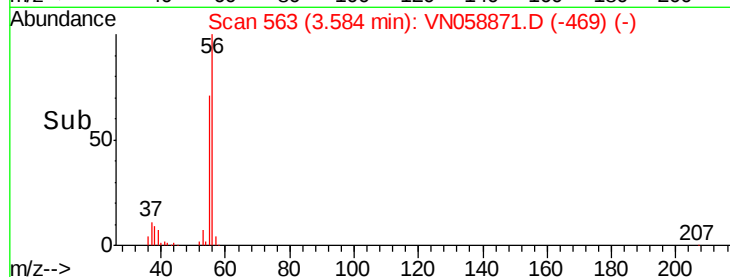
40000

20000

0

3.50 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 49.587 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

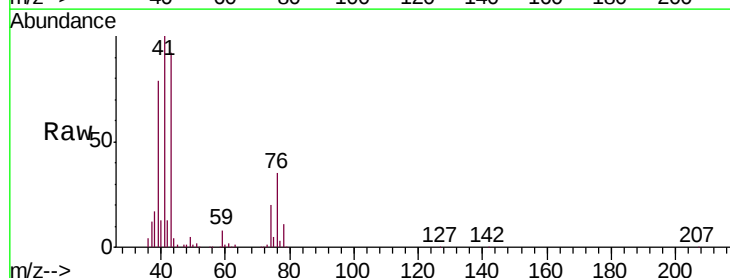
Tgt Ion: 41 Resp: 367742

Ion Ratio Lower Upper

41 100

39 70.9 55.9 83.9

76 30.7 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-746) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-746) (-)

Ion 75.90 (75.60 to 76.60): VN058846.D (-746) (-)

4.30

150000

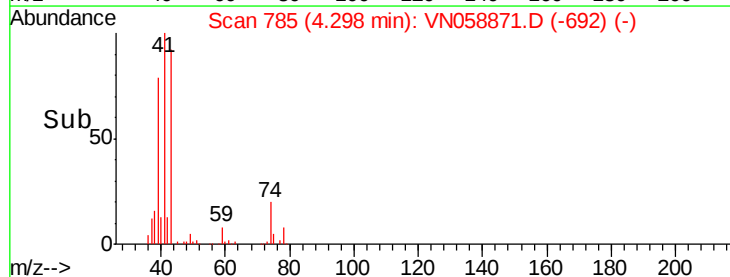
100000

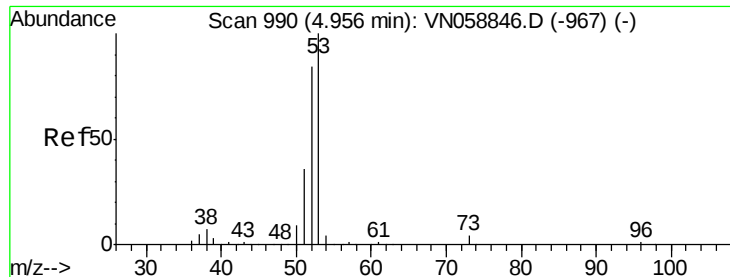
50000

0

4.10 4.20 4.30 4.40 4.50

Time-->





#15

Acrylonitrile

Concen: 261.988 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

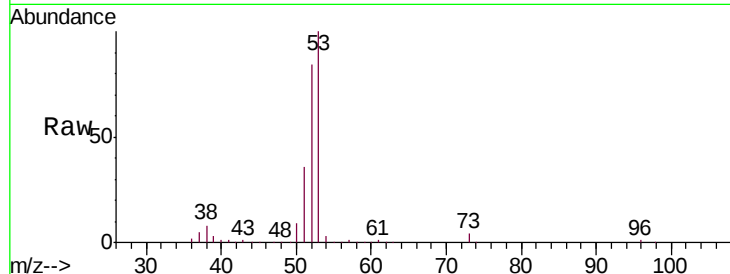
Tgt Ion: 53 Resp: 596285

Ion Ratio Lower Upper

53 100

52 83.4 66.6 99.8

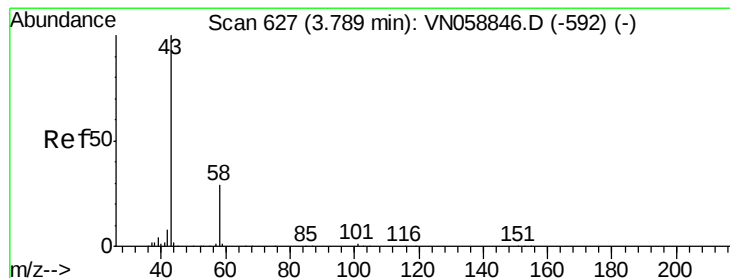
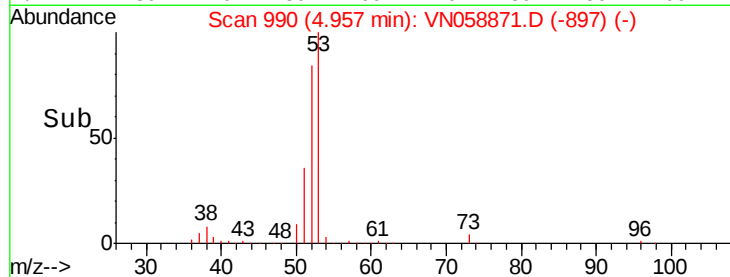
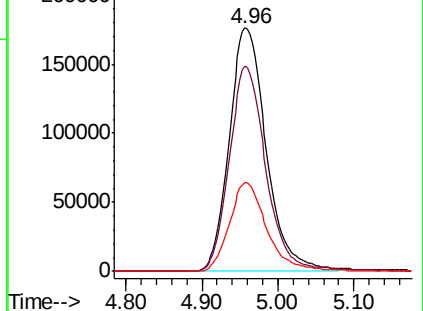
51 37.1 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 210.804 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058871.D

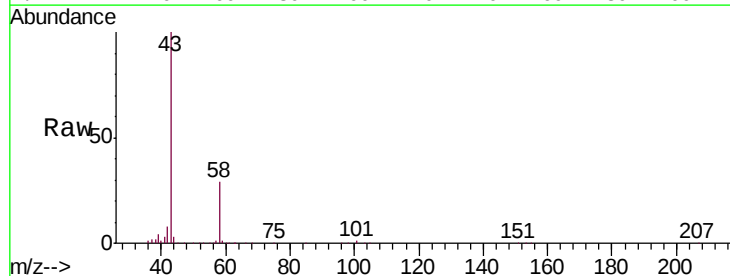
Acq: 18 Oct 2019 20:06

Tgt Ion: 43 Resp: 567972

Ion Ratio Lower Upper

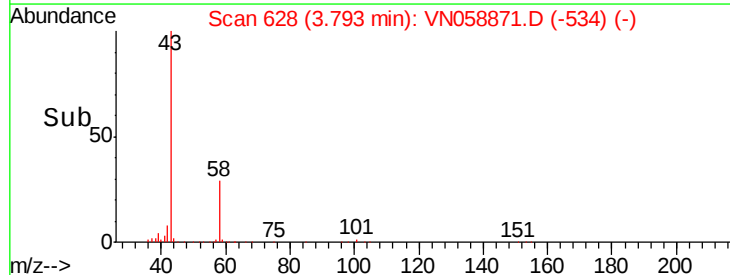
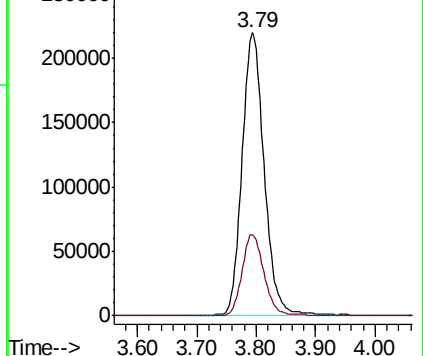
43 100

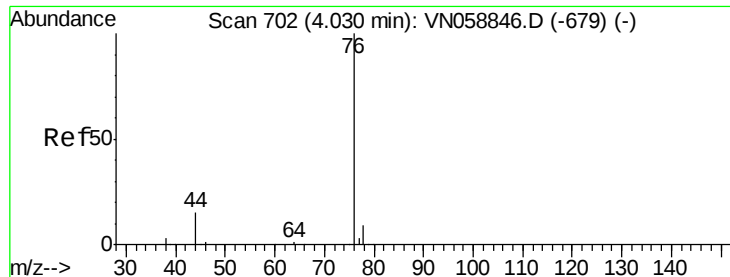
58 28.6 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

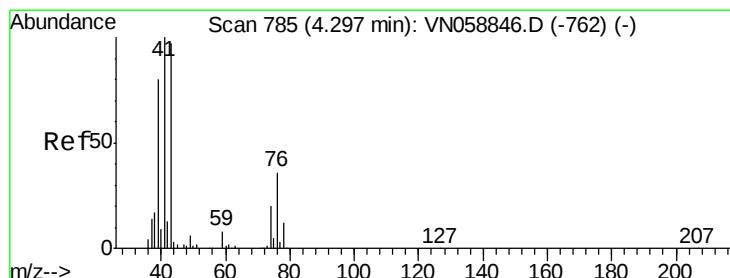
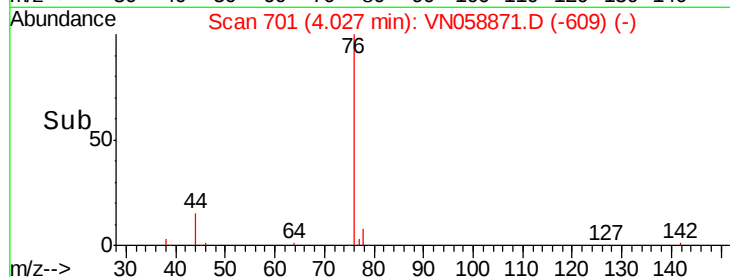
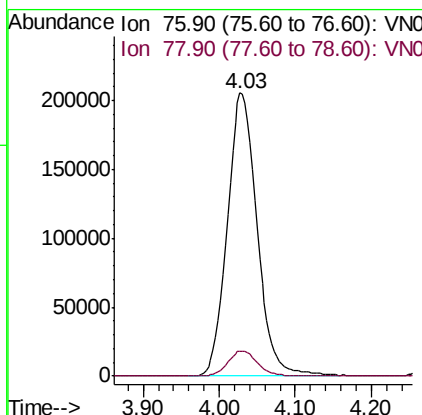
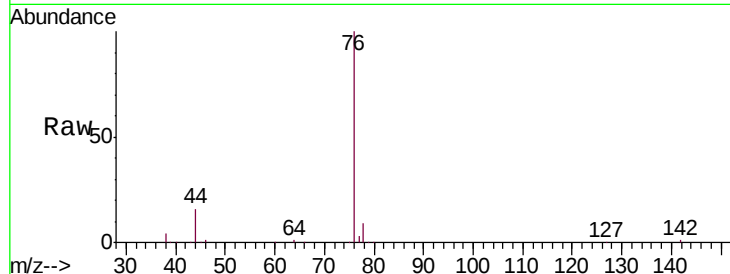




#17
Carbon Disulfide
Concen: 47.508 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

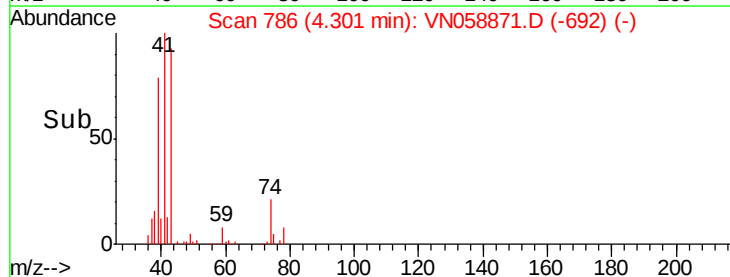
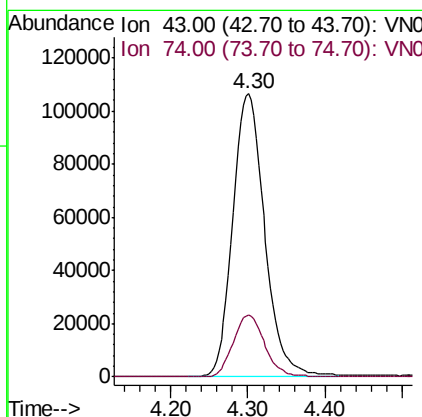
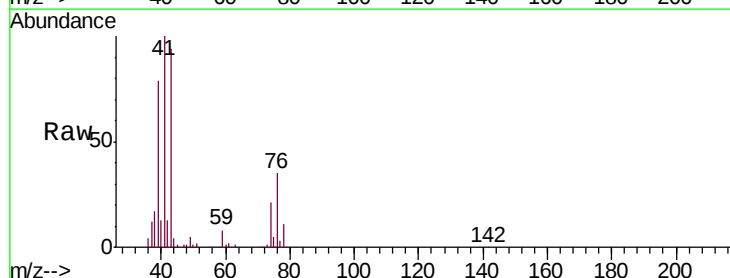
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

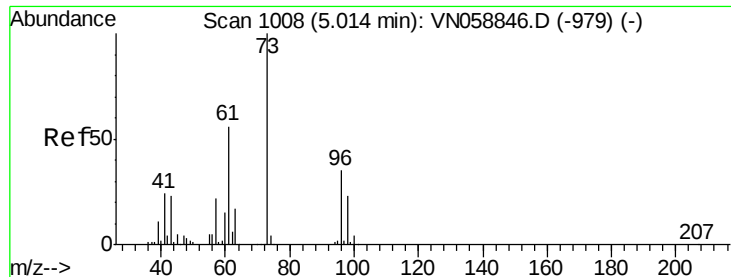
Tgt Ion: 76 Resp: 560866
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 49.316 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion: 43 Resp: 302090
Ion Ratio Lower Upper
43 100
74 21.9 17.1 25.7

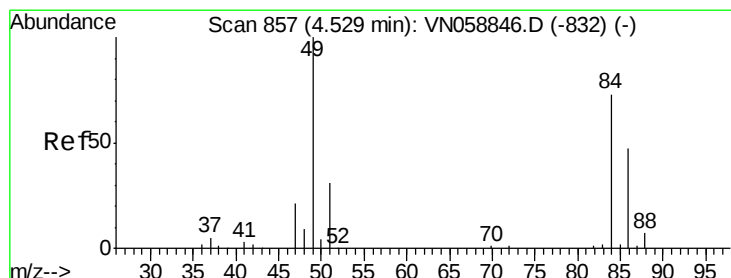
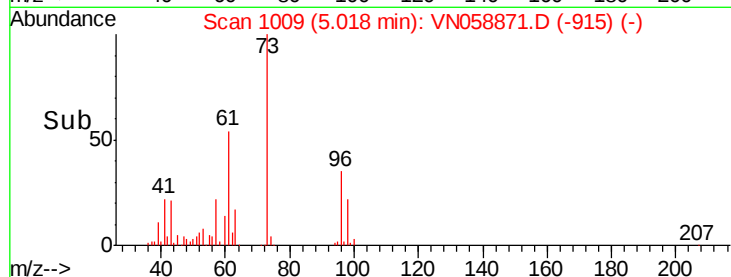
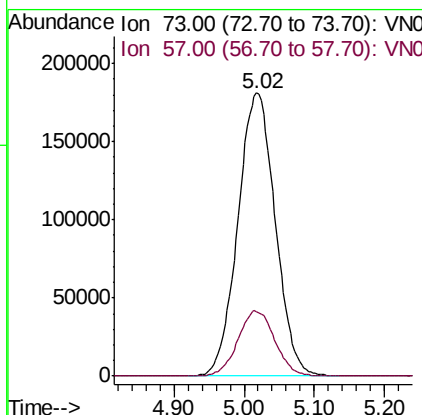
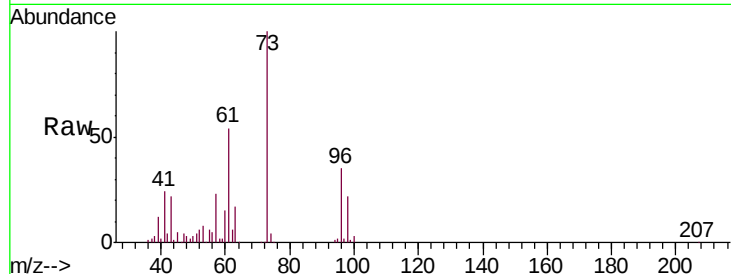




#19
Methyl tert-butyl Ether
Concen: 52.176 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

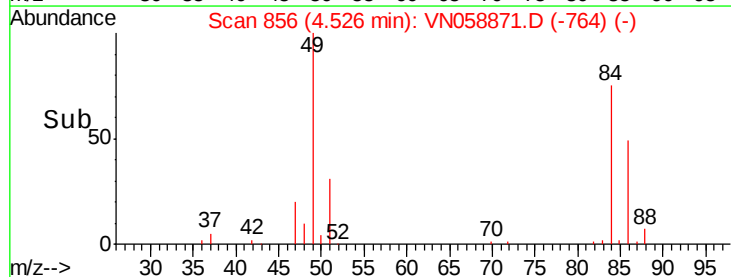
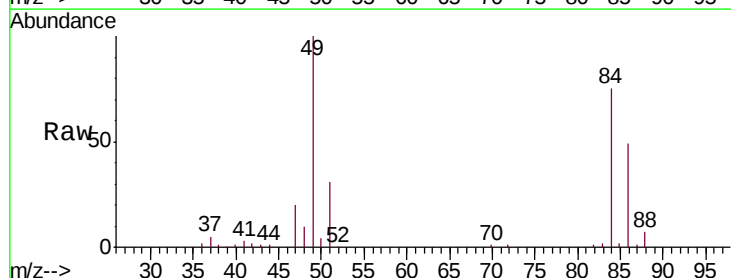
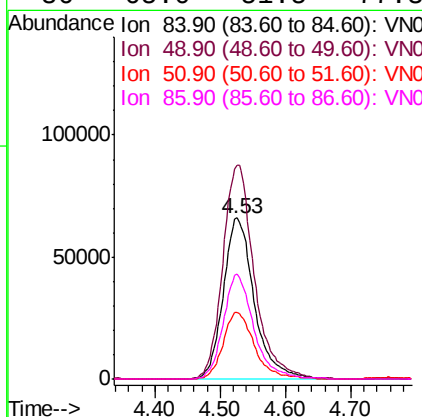
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

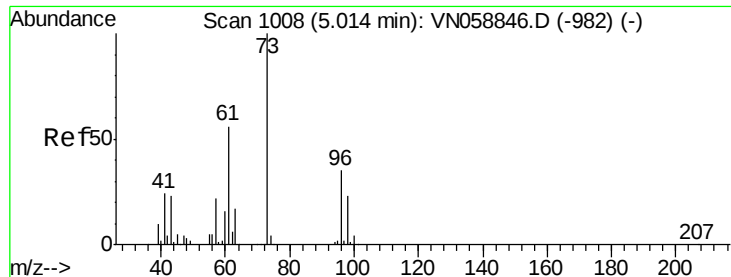
Tgt Ion: 73 Resp: 669567
Ion Ratio Lower Upper
73 100
57 23.0 17.9 26.9



#20
Methylene Chloride
Concen: 47.105 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion: 84 Resp: 216711
Ion Ratio Lower Upper
84 100
49 132.7 109.6 164.4
51 41.3 33.8 50.6
86 65.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.532 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

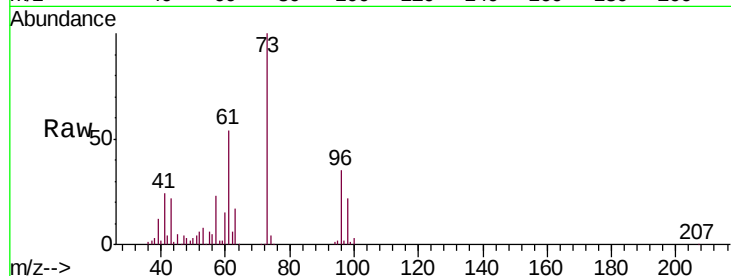
Tgt Ion: 96 Resp: 200476

Ion Ratio Lower Upper

96 100

61 154.0 126.7 190.1

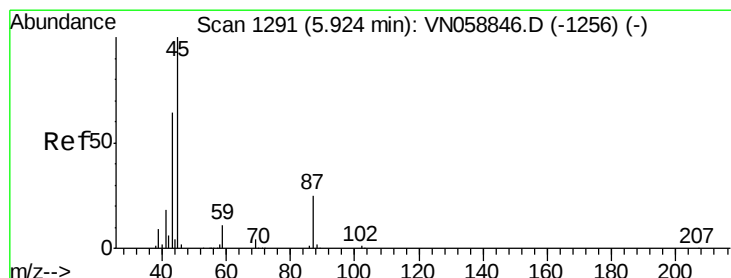
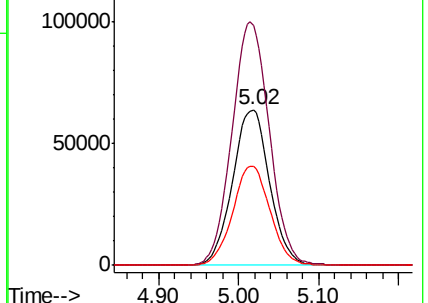
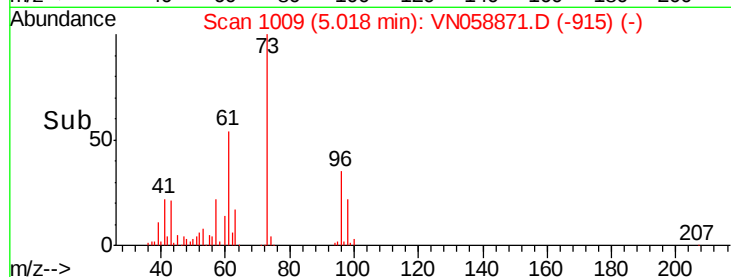
98 63.5 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN058871.D (-915) (-)

Ion 60.90 (60.60 to 61.60): VN058871.D (-915) (-)

Ion 97.90 (97.60 to 98.60): VN058871.D (-915) (-)



#22

Diisopropyl ether

Concen: 52.494 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Tgt Ion: 45 Resp: 761459

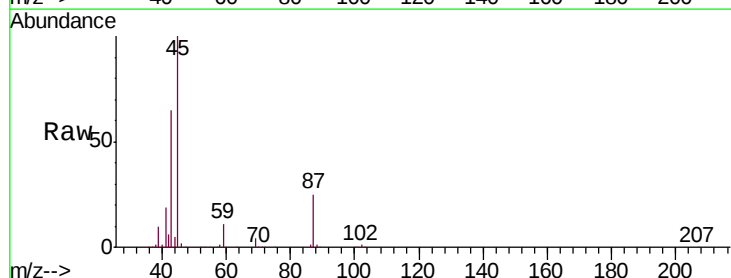
Ion Ratio Lower Upper

45 100

43 63.6 52.9 79.3

87 25.1 20.2 30.4

59 11.2 8.8 13.2

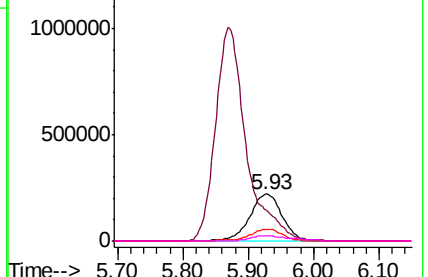
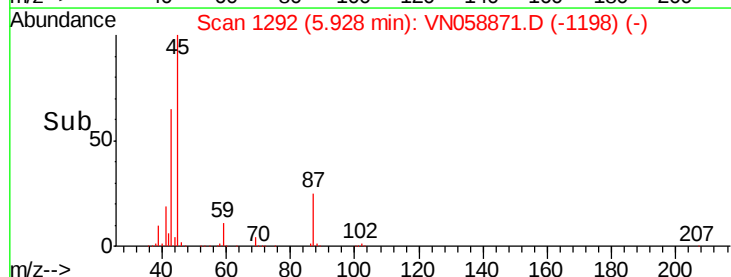


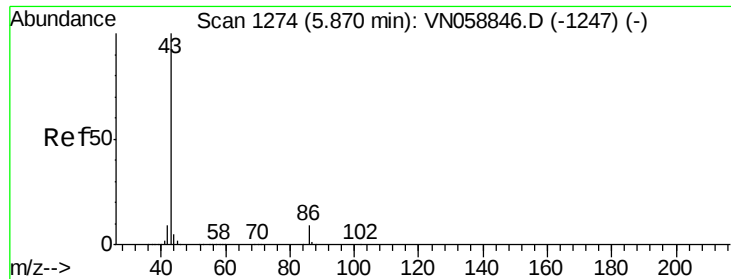
Abundance Ion 45.00 (44.70 to 45.70): VN058871.D (-1198) (-)

Ion 43.00 (42.70 to 43.70): VN058871.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN058871.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN058871.D (-1198) (-)

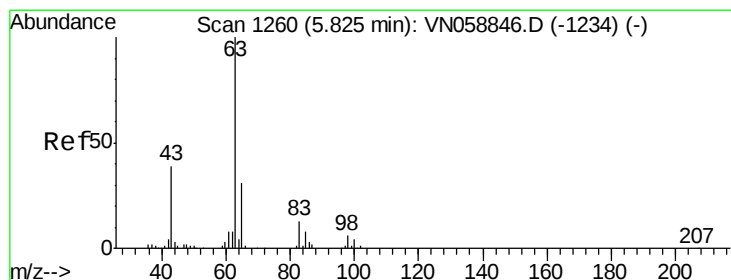
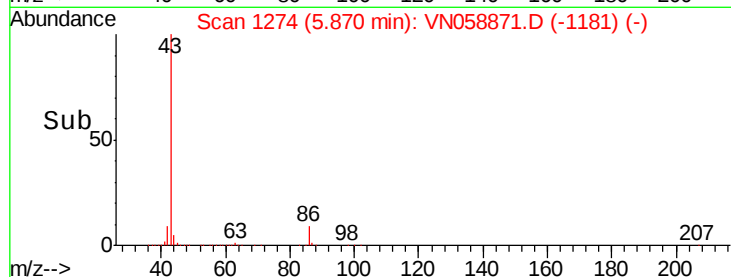
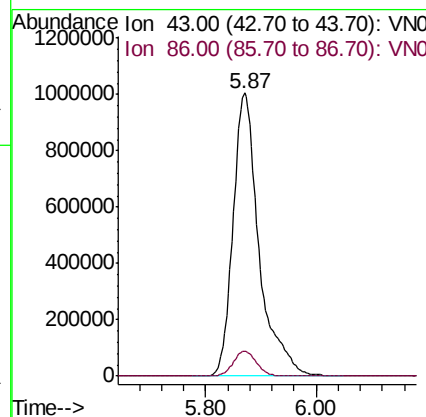
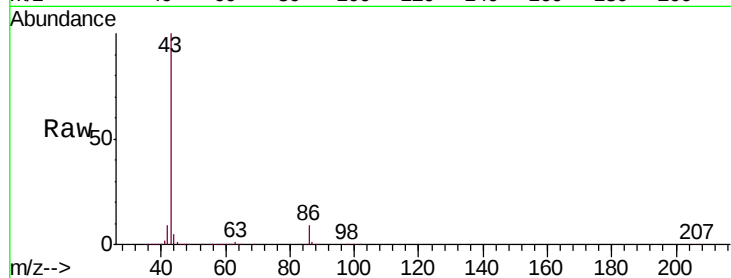




#23
 Vinyl Acetate
 Concen: 282.457 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

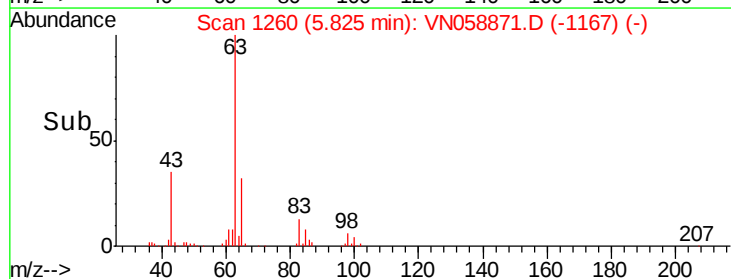
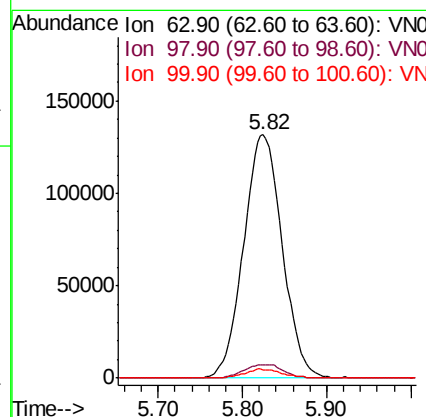
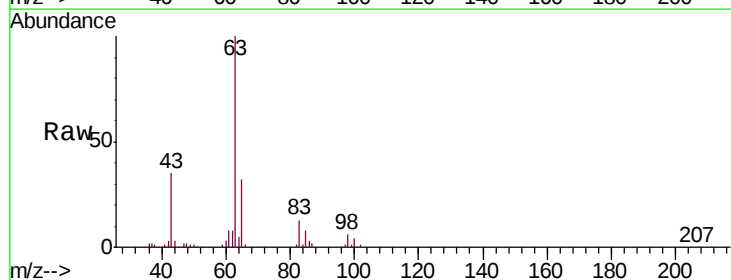
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

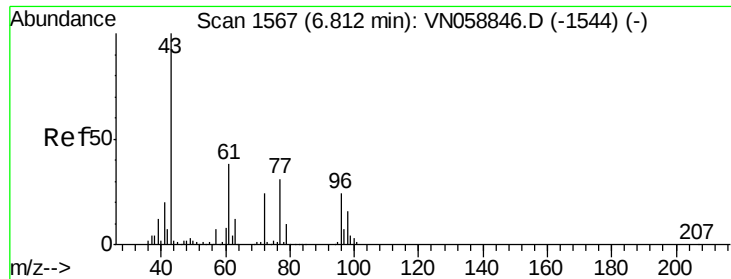
Tgt Ion: 43 Resp: 3291808
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 49.809 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion: 63 Resp: 418942
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.4
 100 3.5 1.9 5.7

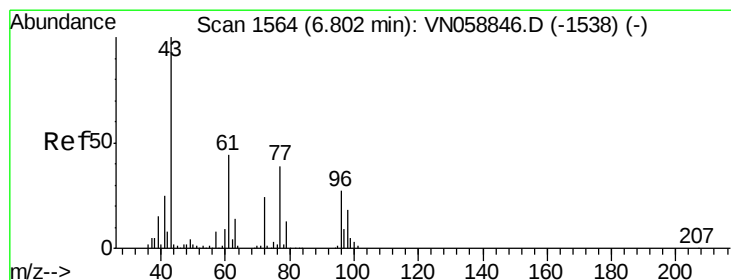
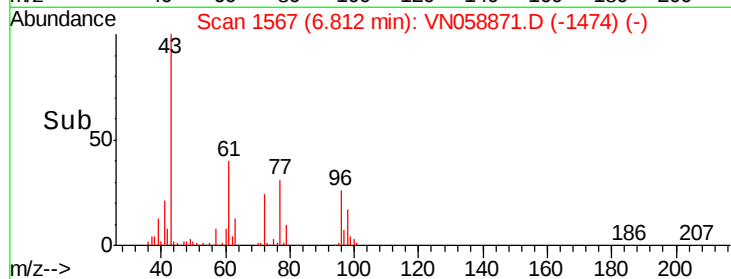
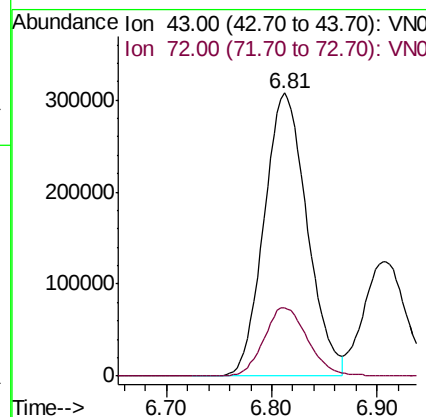
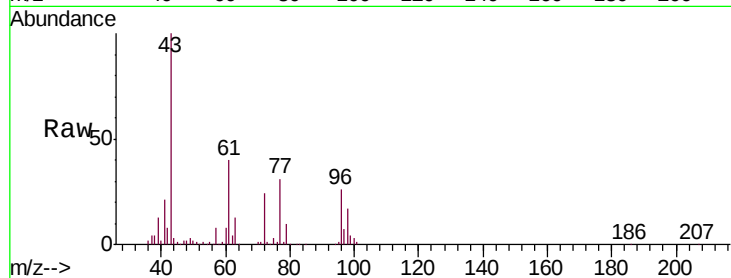




#25
 2-Butanone
 Concen: 249.158 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

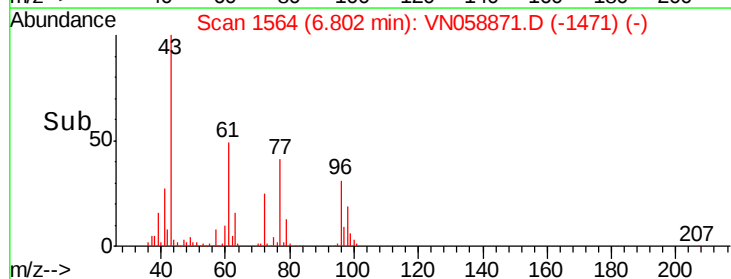
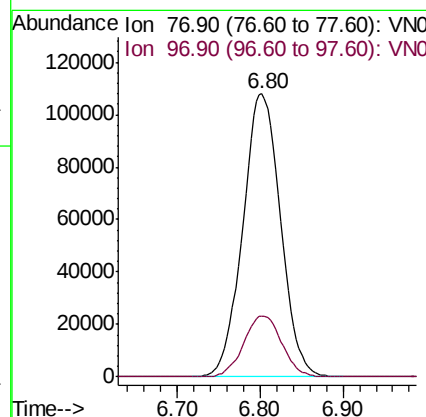
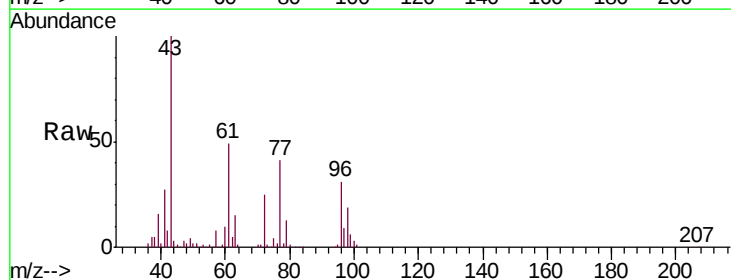
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

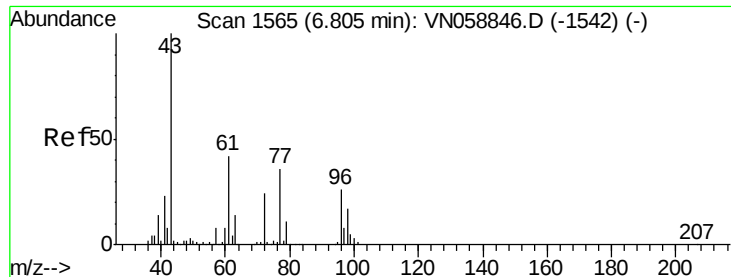
Tgt Ion: 43 Resp: 871432
 Ion Ratio Lower Upper
 43 100
 72 24.2 19.1 28.7



#26
 2,2-Dichloropropane
 Concen: 46.948 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion: 77 Resp: 341563
 Ion Ratio Lower Upper
 77 100
 97 21.8 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 51.394 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

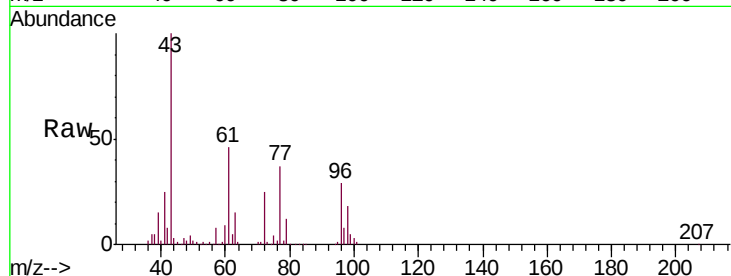
Tgt Ion: 96 Resp: 237621

Ion Ratio Lower Upper

96 100

61 161.6 0.0 325.0

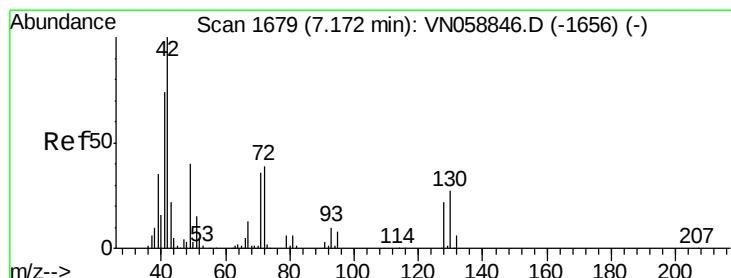
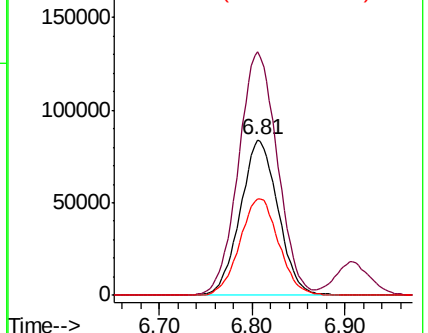
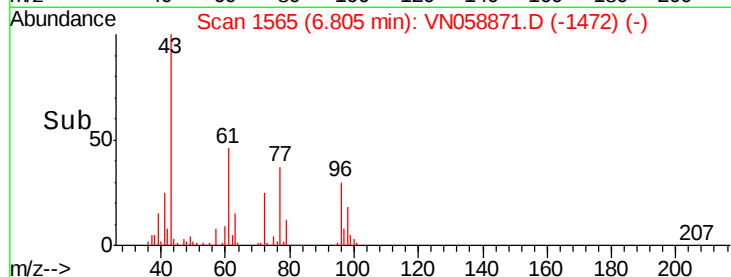
98 64.1 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN058871.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN058871.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN058871.D (-1472) (-)



#28

Bromochloromethane

Concen: 51.966 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

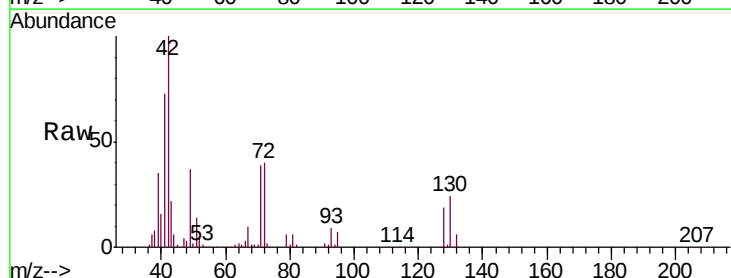
Tgt Ion: 49 Resp: 145567

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.2

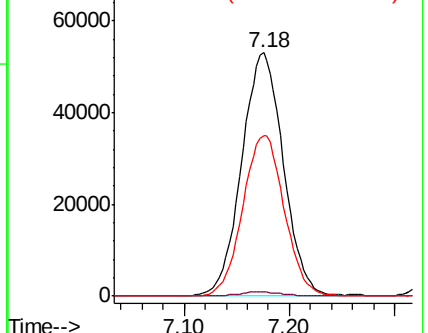
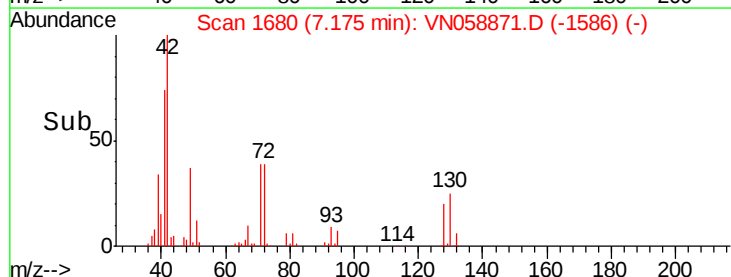
130 65.9 53.5 80.3

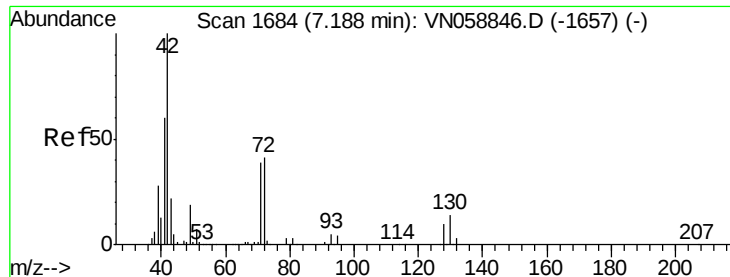


Abundance Ion 48.90 (48.60 to 49.60): VN058871.D (-1586) (-)

Ion 128.80 (128.50 to 129.50): VN058871.D (-1586) (-)

Ion 129.80 (129.50 to 130.50): VN058871.D (-1586) (-)





#29

Tetrahydrofuran

Concen: 270.957 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

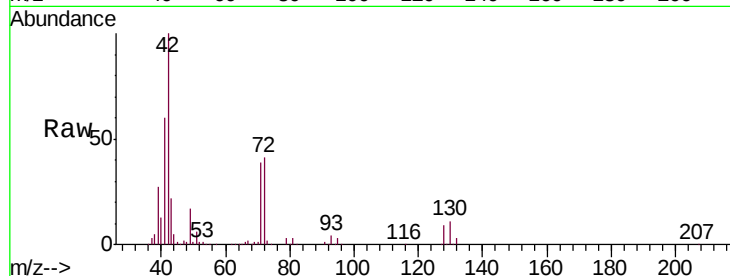
Tgt Ion: 42 Resp: 579725

Ion Ratio Lower Upper

42 100

72 40.5 32.2 48.2

71 38.6 30.6 45.8

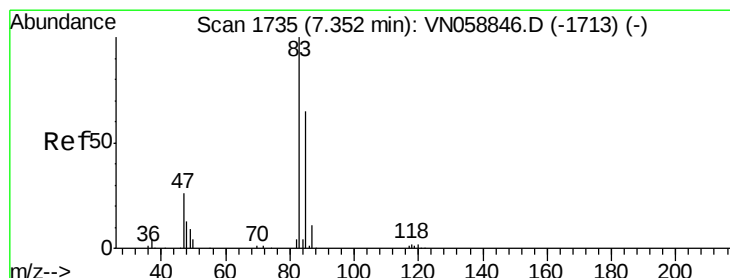
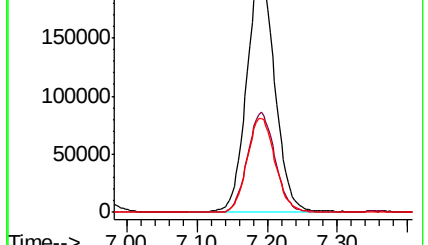
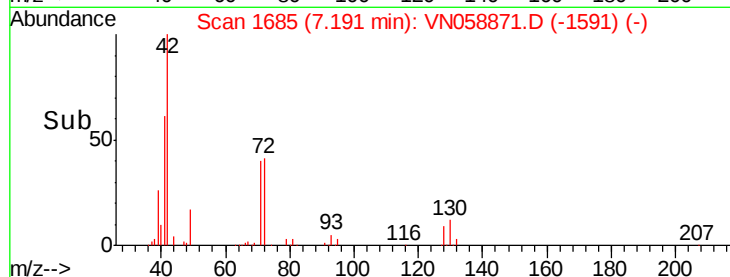


Abundance Ion 42.00 (41.70 to 42.70): VN058846.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN058846.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN058846.D (-1657) (-)

Time-->



#30

Chloroform

Concen: 49.256 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058871.D

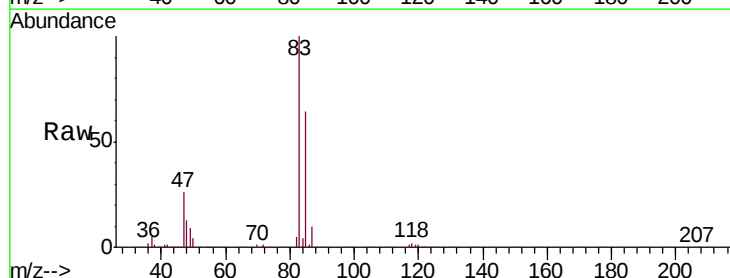
Acq: 18 Oct 2019 20:06

Tgt Ion: 83 Resp: 415581

Ion Ratio Lower Upper

83 100

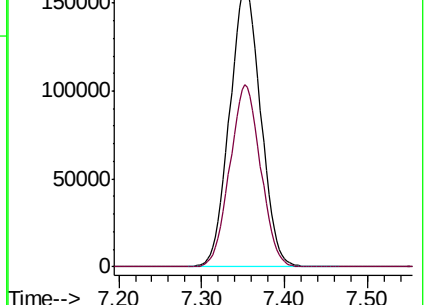
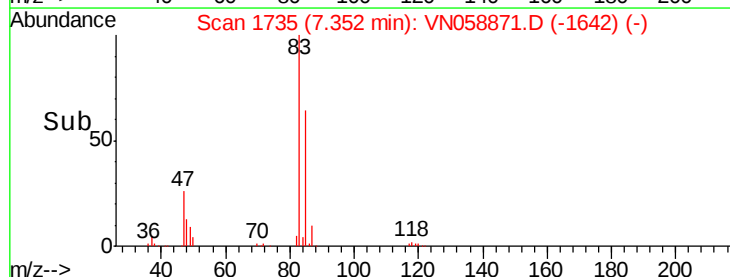
85 64.5 51.9 77.9

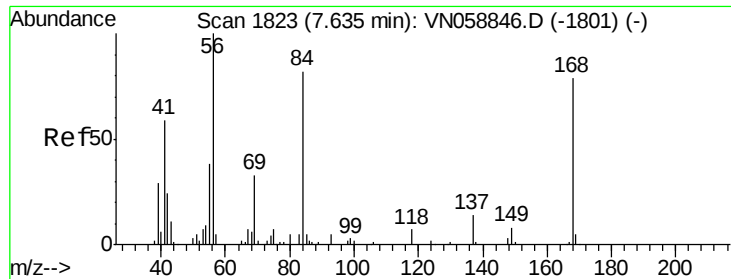


Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-1713) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-1713) (-)

Time-->

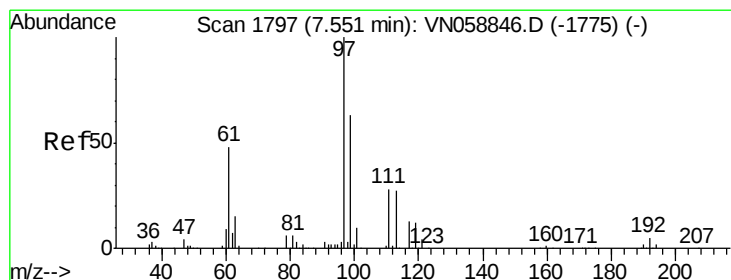
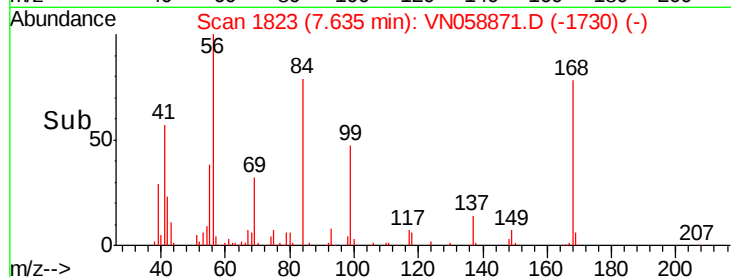
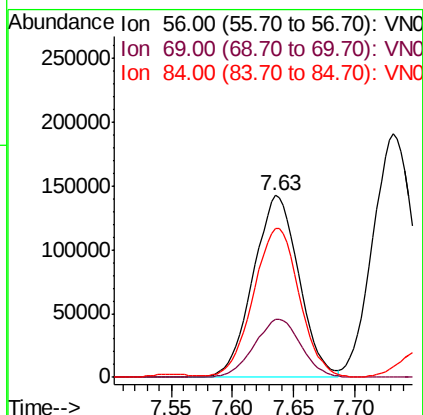
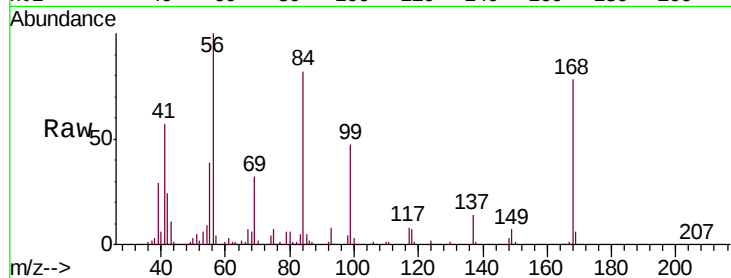




#31
Cyclohexane
Concen: 47.429 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

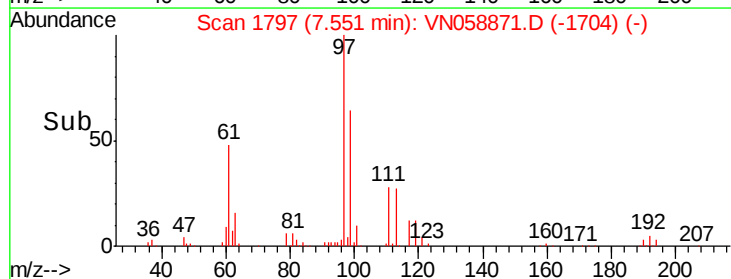
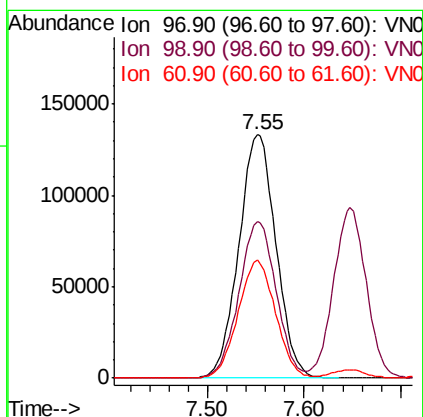
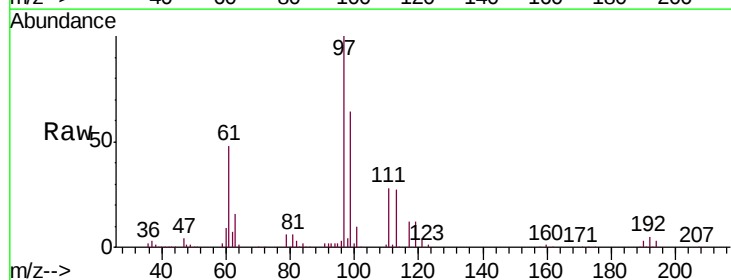
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

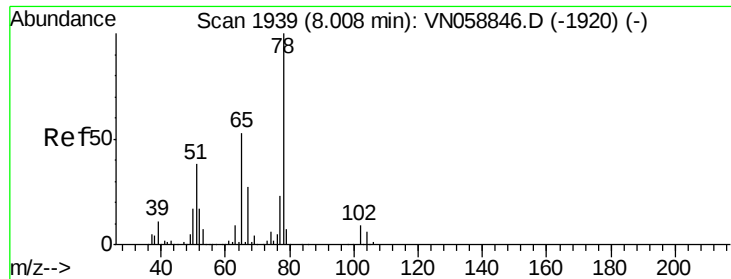
Tgt Ion: 56 Resp: 371647
Ion Ratio Lower Upper
56 100
69 31.7 26.2 39.4
84 80.5 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 50.020 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion: 97 Resp: 355719
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.4
61 48.8 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 51.583 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

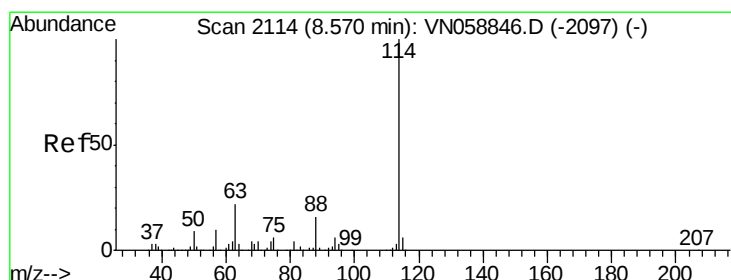
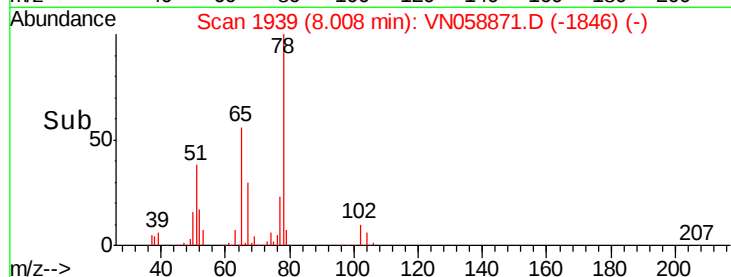
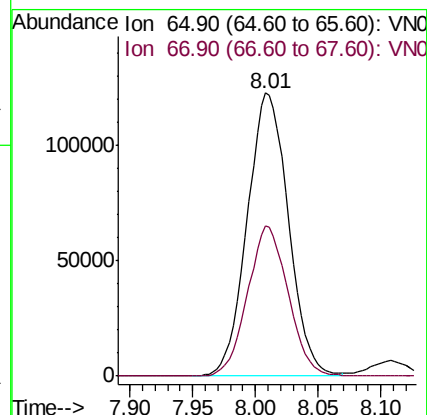
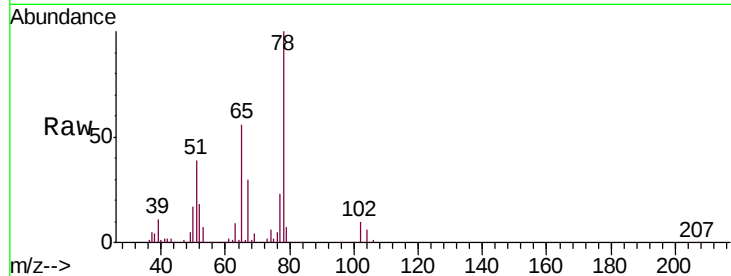
VSTDCCC050EC

Tgt Ion: 65 Resp: 281257

Ion Ratio Lower Upper

65 100

67 52.3 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: VN058871.D

Acq: 18 Oct 2019 20:06

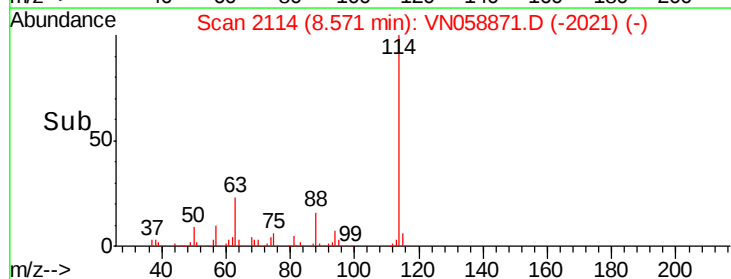
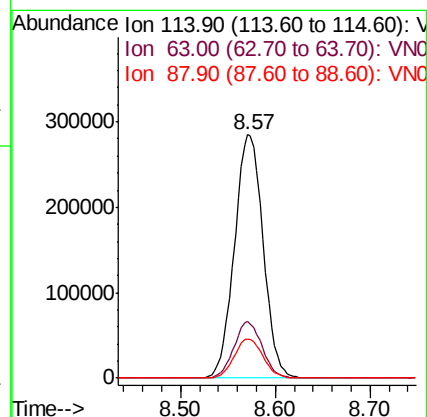
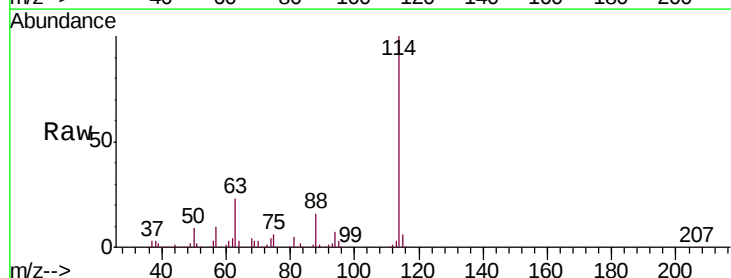
Tgt Ion: 114 Resp: 600901

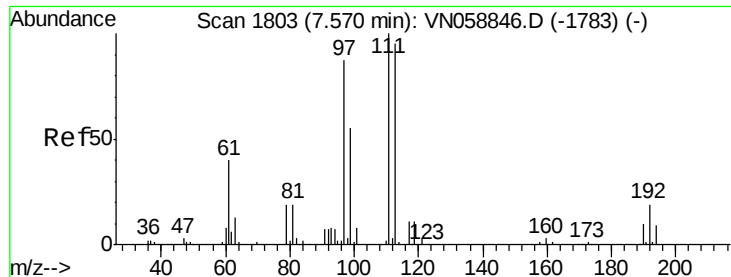
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.4

88 16.2 0.0 31.4

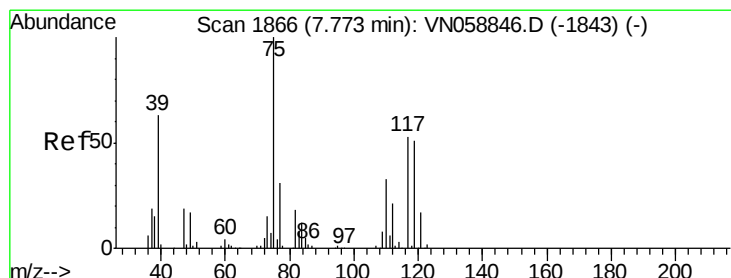
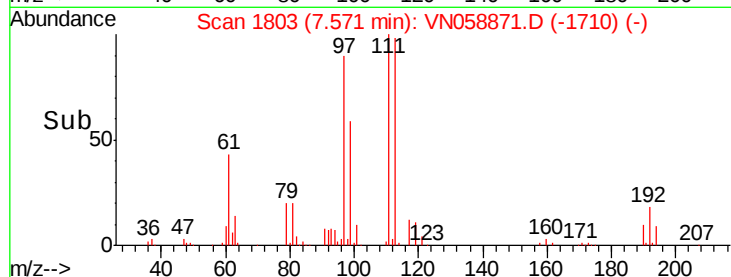
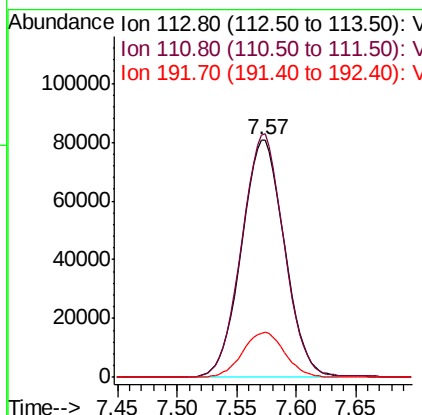
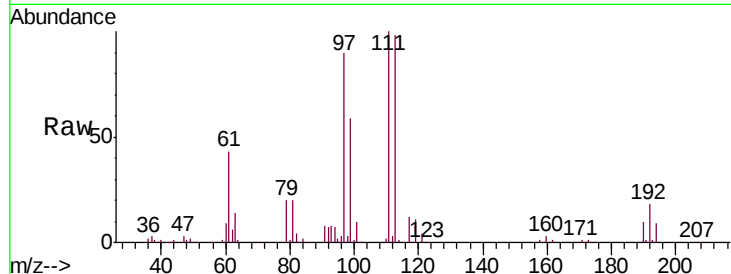




#35
 Dibromofluoromethane
 Concen: 51.176 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

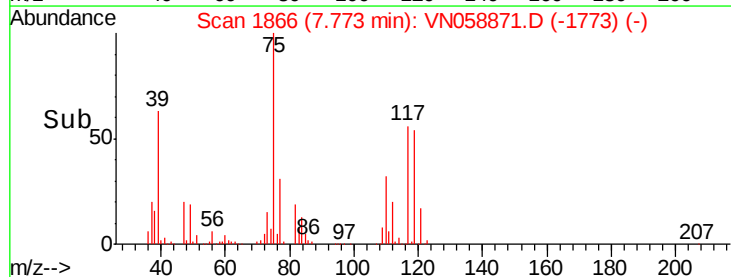
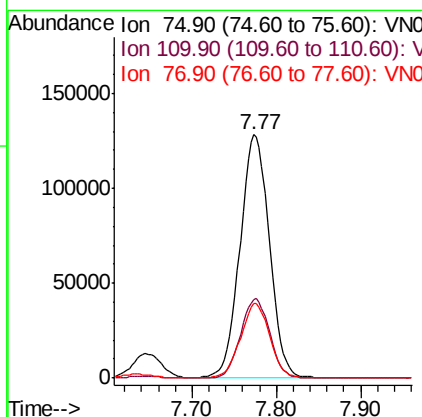
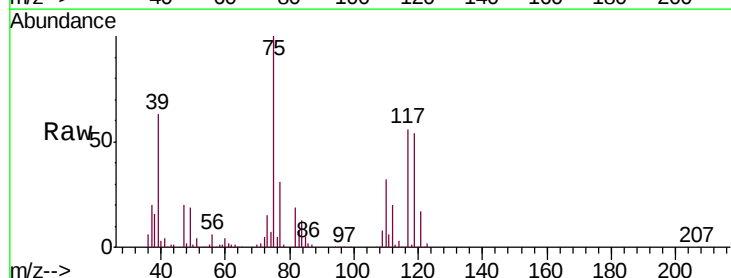
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

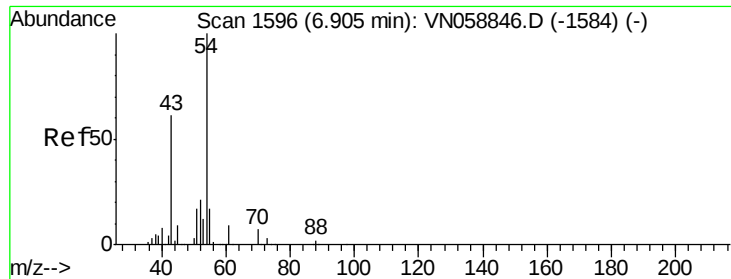
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.0	123.0
192	18.7	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 50.520 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.3	48.9
77	30.7	24.6	36.8

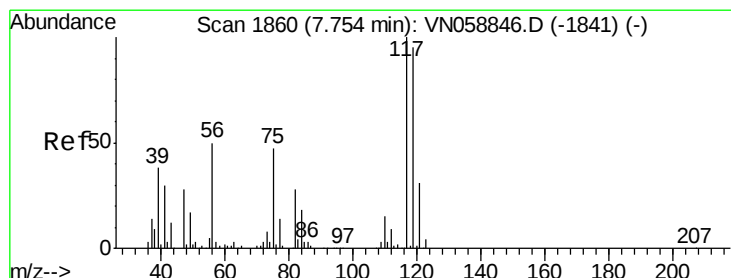
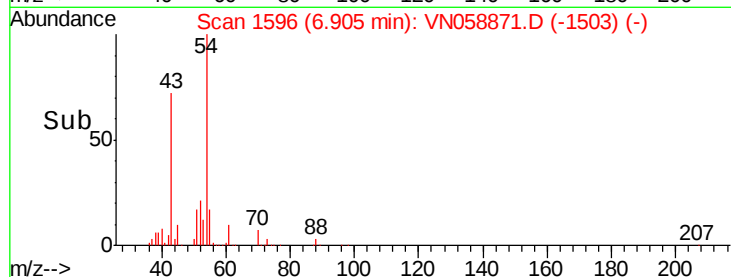
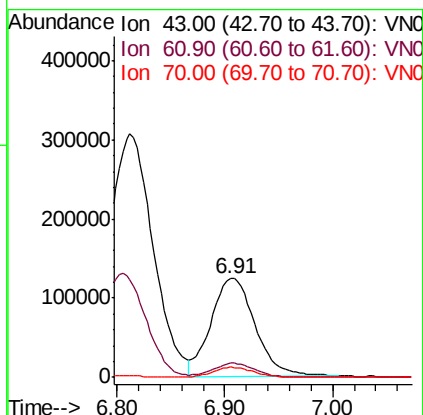
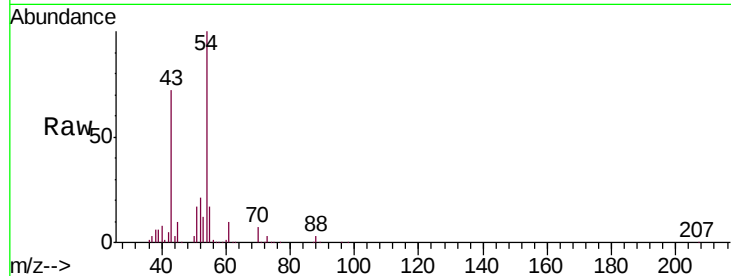




#37
Ethyl Acetate
Concen: 52.852 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

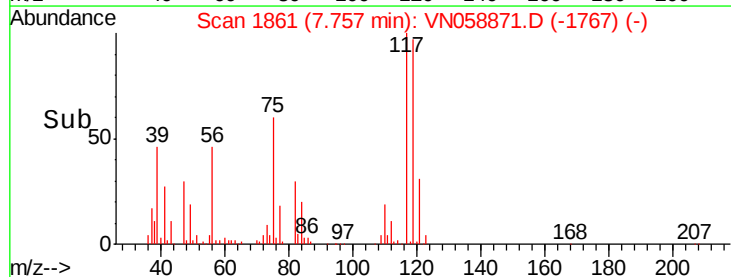
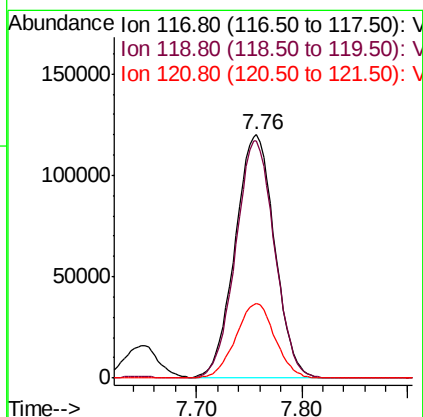
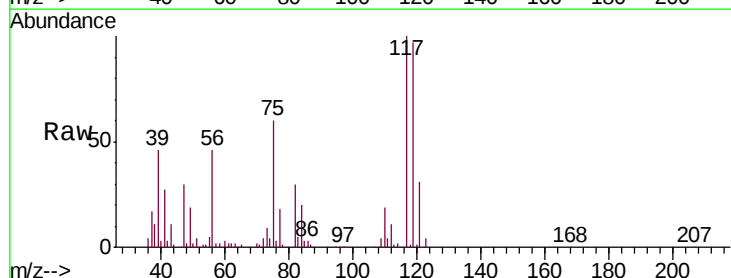
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

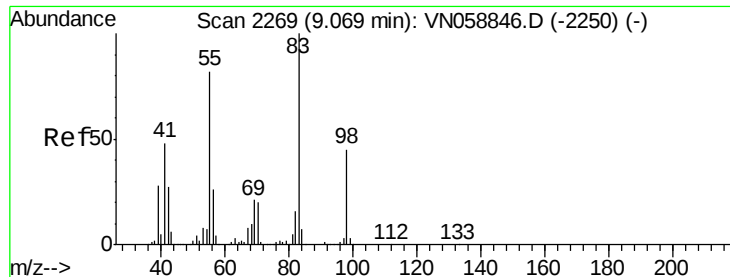
Tgt Ion: 43 Resp: 354286
Ion Ratio Lower Upper
43 100
61 13.7 10.5 15.7
70 9.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.341 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion: 117 Resp: 312709
Ion Ratio Lower Upper
117 100
119 97.2 75.7 113.5
121 30.8 25.0 37.6

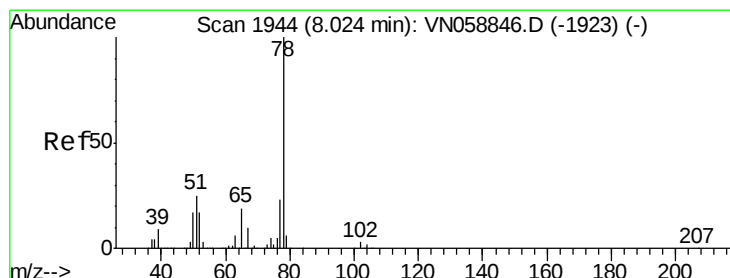
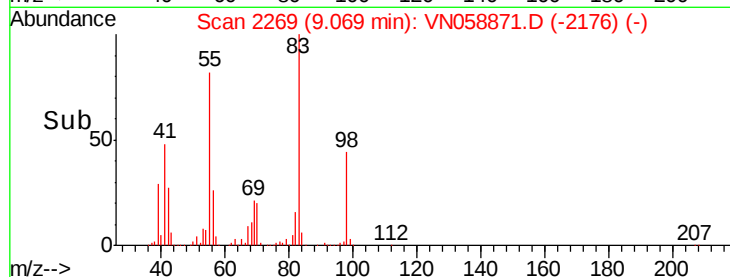
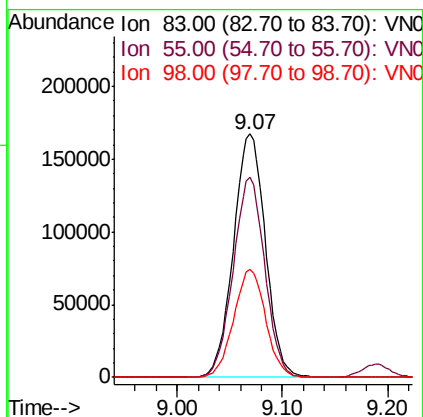
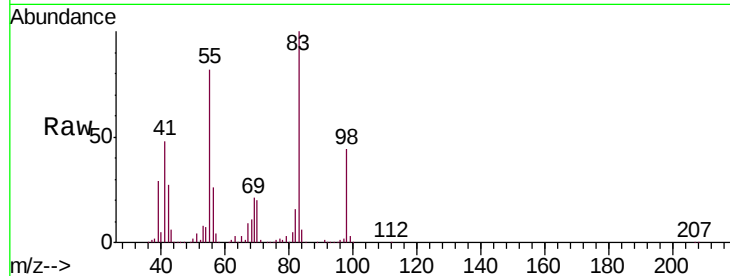




#39
Methylcyclohexane
Concen: 50.819 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

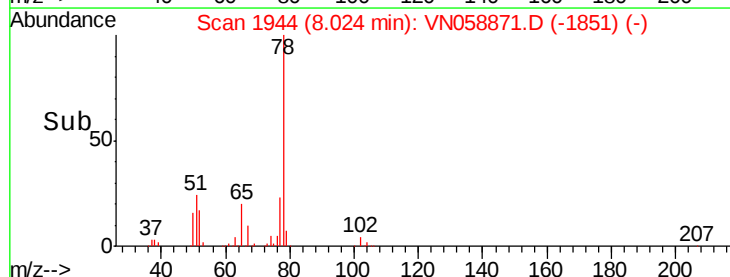
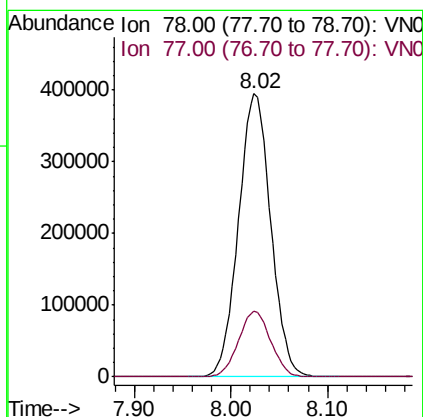
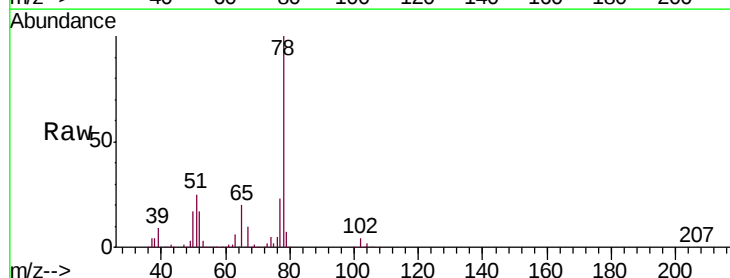
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

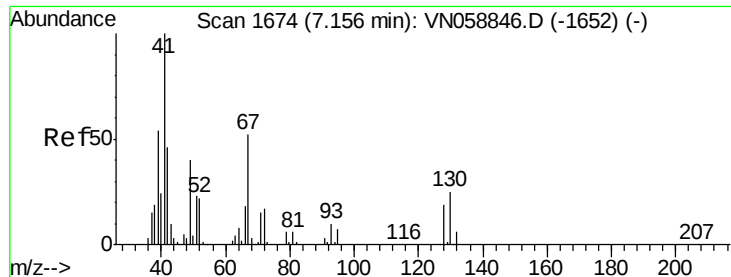
Tgt Ion: 83 Resp: 351048
Ion Ratio Lower Upper
83 100
55 82.3 65.5 98.3
98 44.2 35.7 53.5



#40
Benzene
Concen: 50.693 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion: 78 Resp: 915772
Ion Ratio Lower Upper
78 100
77 23.3 18.2 27.2

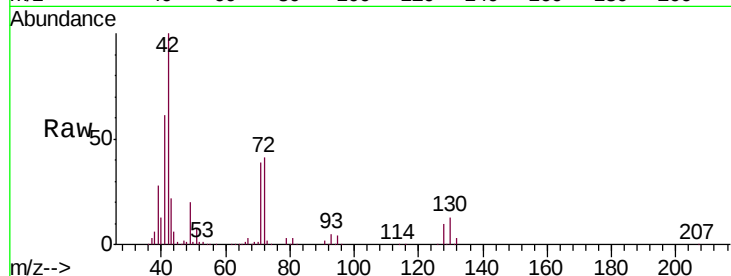




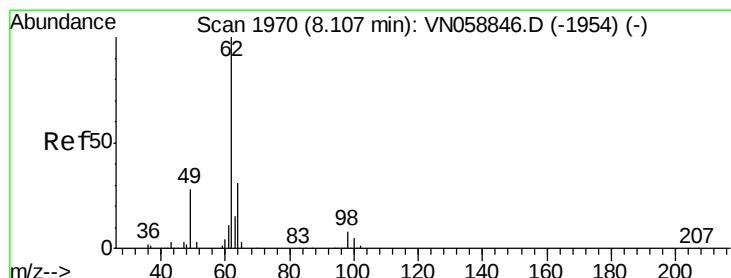
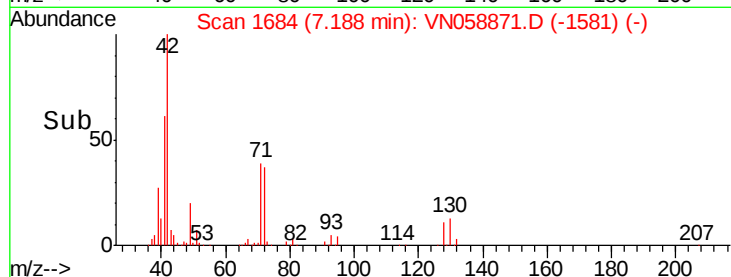
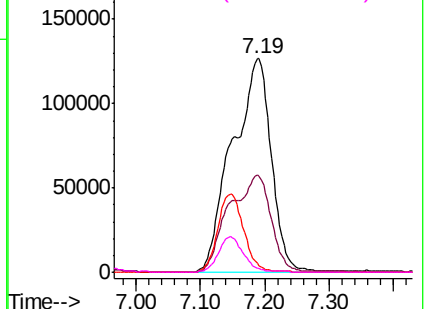
#41
Methacrylonitrile
Concen: 177.905 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	531139
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

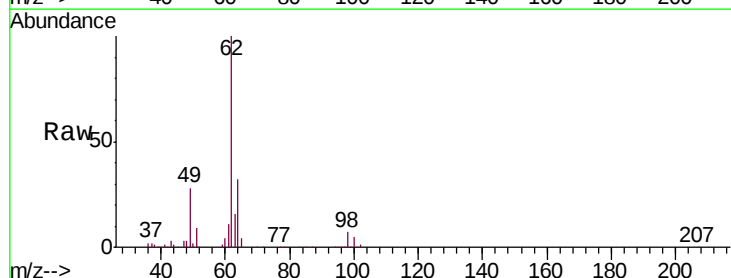


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

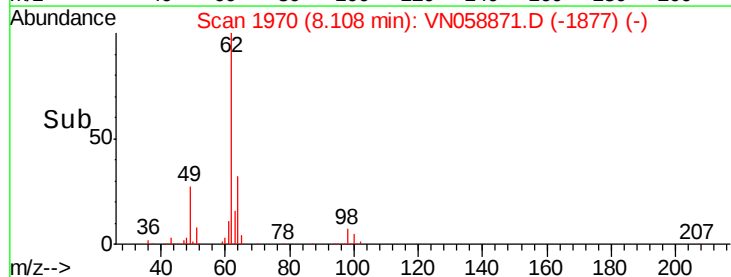
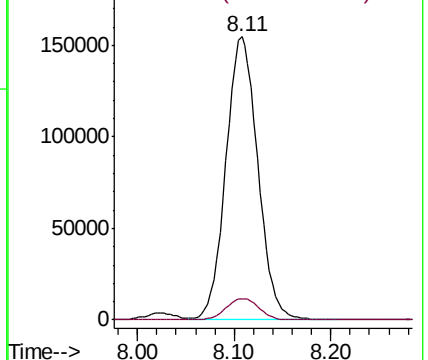


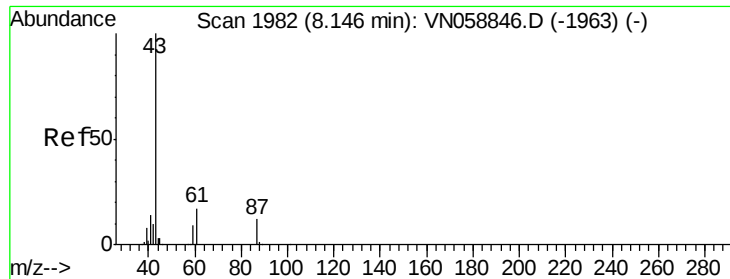
#42
1,2-Dichloroethane
Concen: 50.836 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion:	62	Resp:	353761
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.2



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

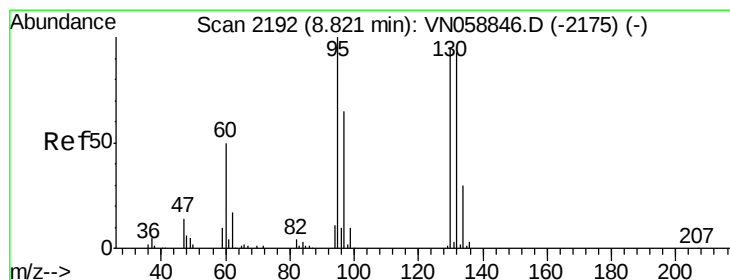
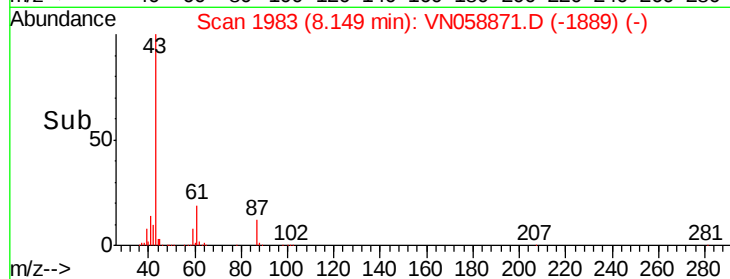
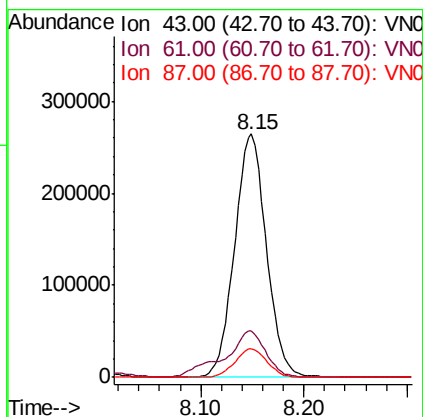
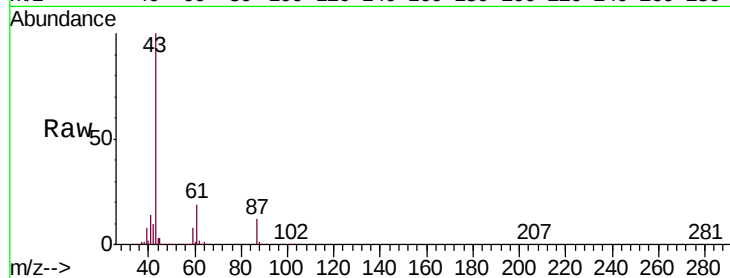




#43
Isopropyl Acetate
Concen: 52.577 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

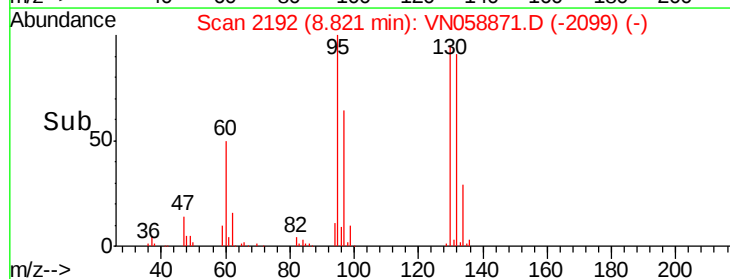
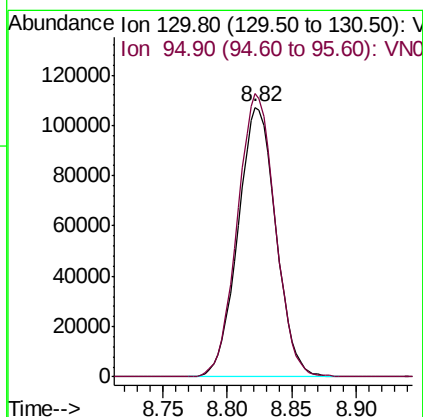
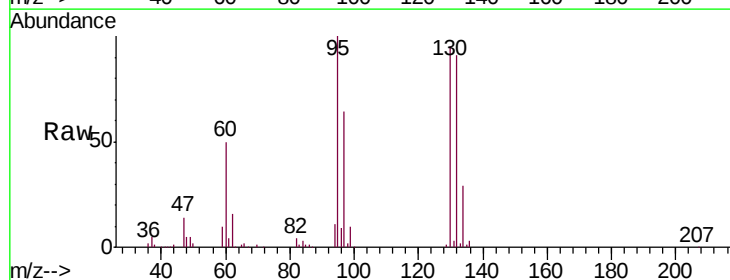
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

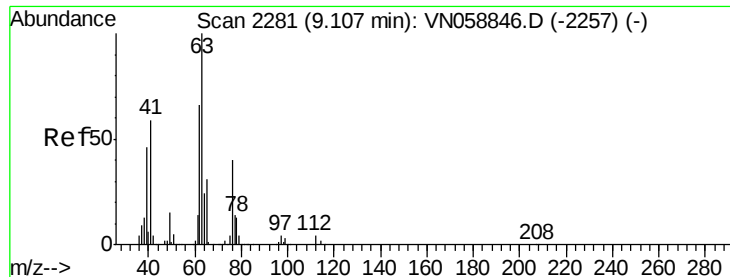
Tgt Ion: 43 Resp: 565236
Ion Ratio Lower Upper
43 100
61 25.0 20.2 30.2
87 11.9 9.5 14.3



#44
Trichloroethene
Concen: 49.923 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion: 130 Resp: 219692
Ion Ratio Lower Upper
130 100
95 105.1 0.0 209.6

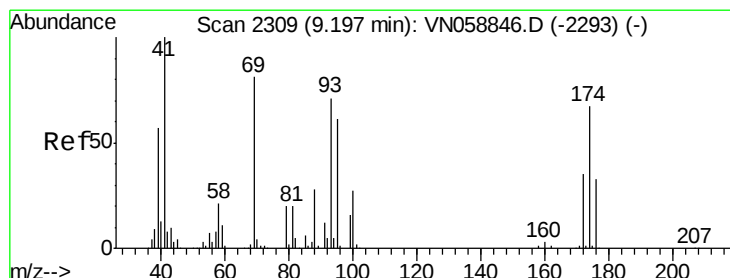
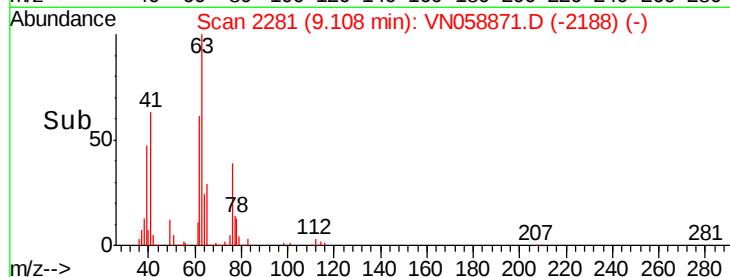
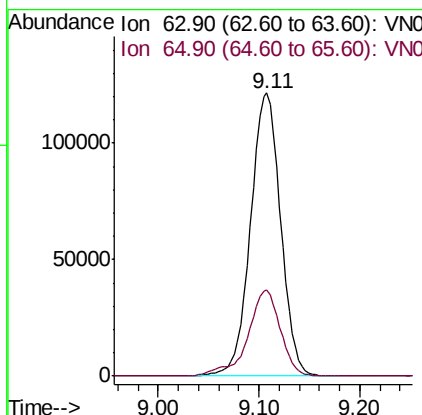
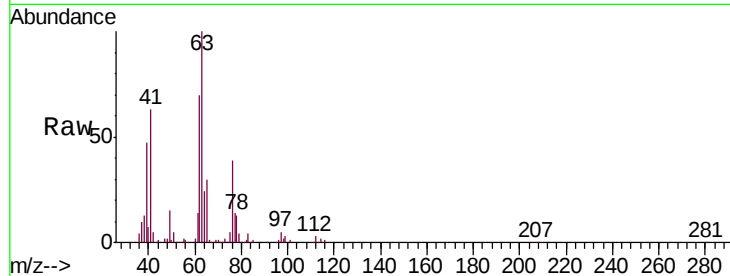




#45
 1,2-Dichloropropane
 Concen: 50.681 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

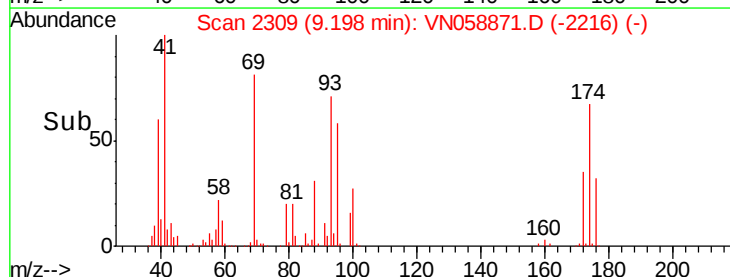
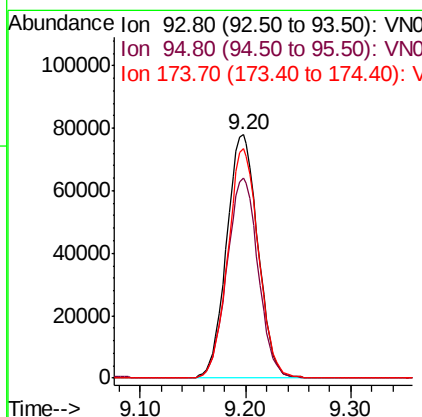
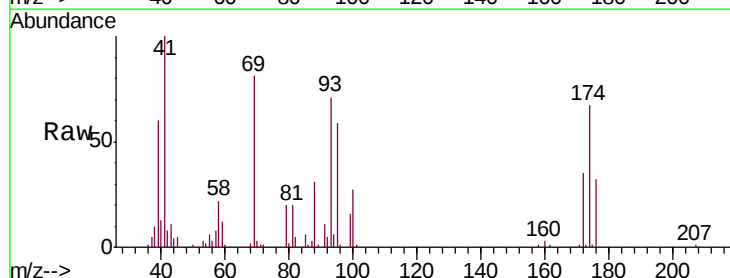
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

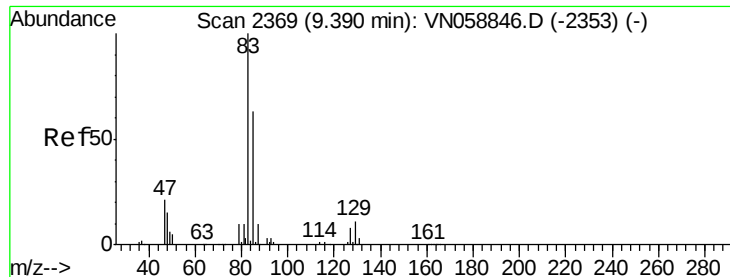
Tgt Ion: 63 Resp: 251061
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.5 36.7



#46
 Dibromomethane
 Concen: 51.112 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion: 93 Resp: 160065
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.6 101.4
 174 92.4 74.1 111.1





#47

Bromodichloromethane

Concen: 51.062 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

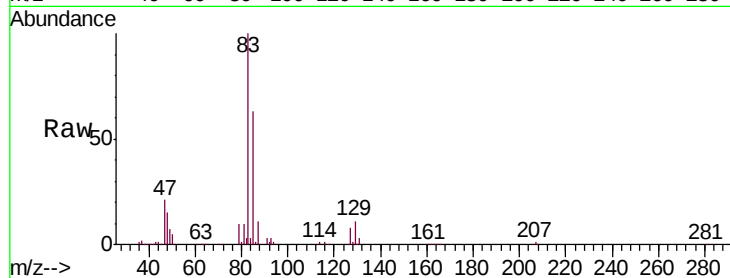
Tgt Ion: 83 Resp: 329579

Ion Ratio Lower Upper

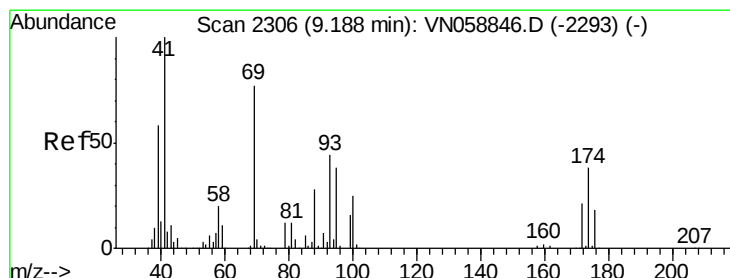
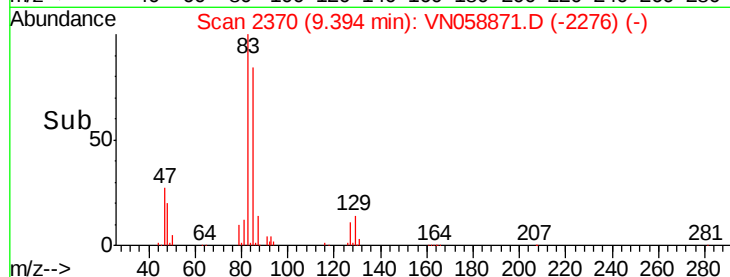
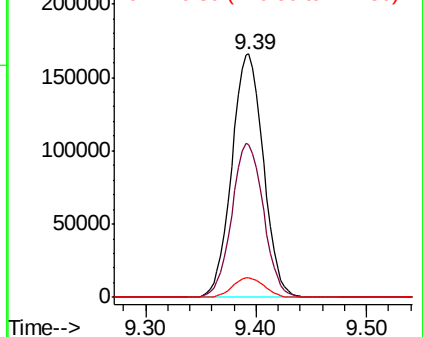
83 100

85 62.7 50.6 75.8

127 8.2 6.5 9.7



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



#48

Methyl methacrylate

Concen: 55.422 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

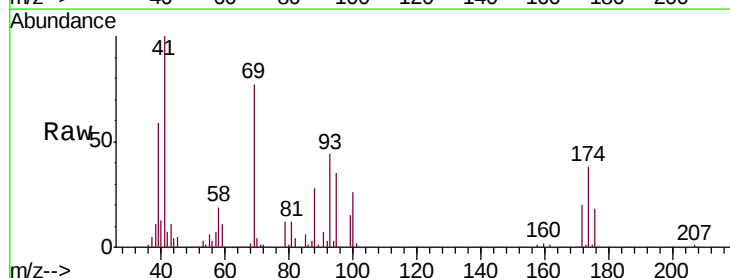
Tgt Ion: 41 Resp: 270326

Ion Ratio Lower Upper

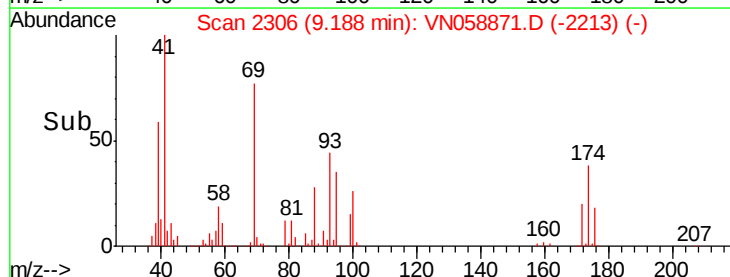
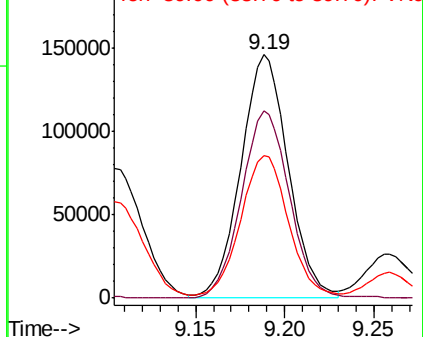
41 100

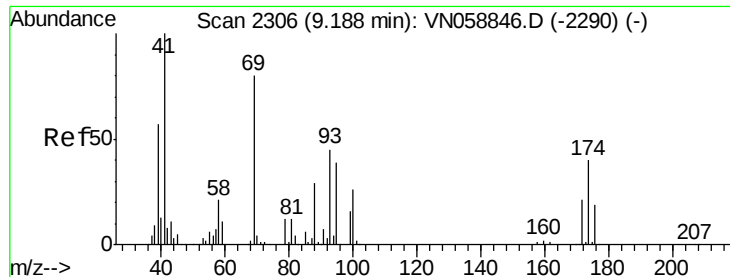
69 78.5 63.8 95.6

39 59.8 47.8 71.8



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

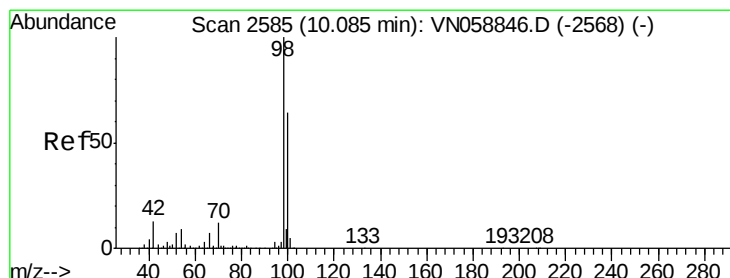
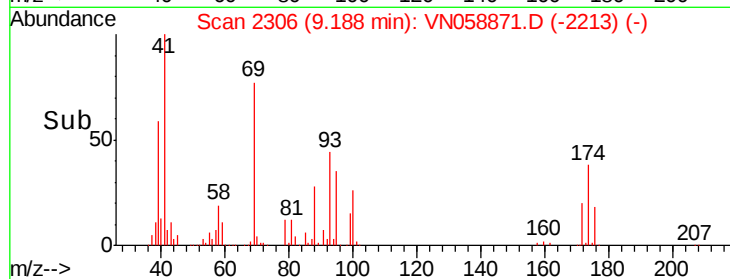
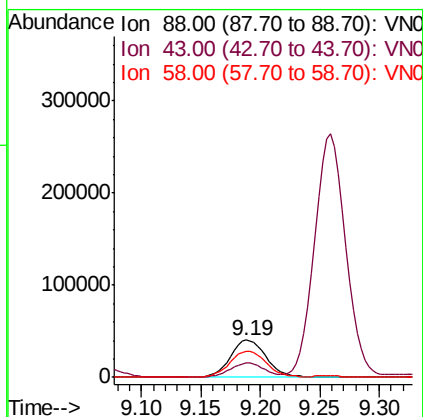
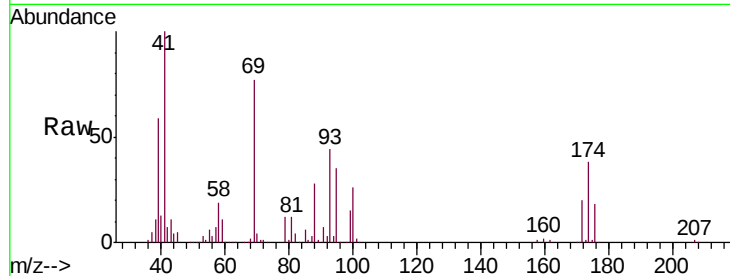




#49
1,4-Dioxane
Concen: 1059.697 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

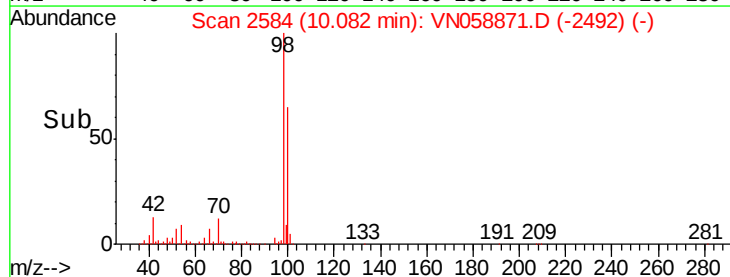
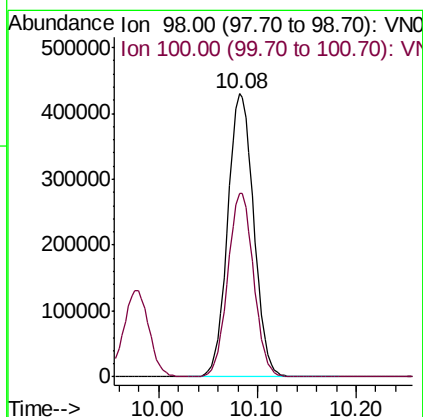
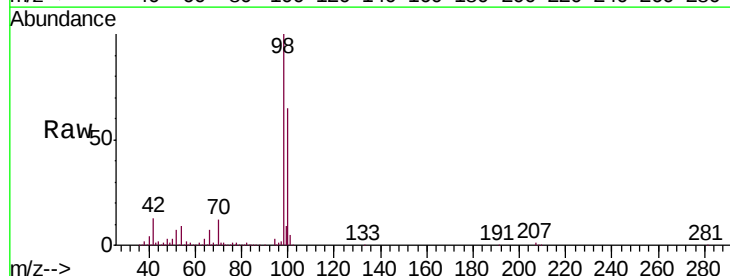
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

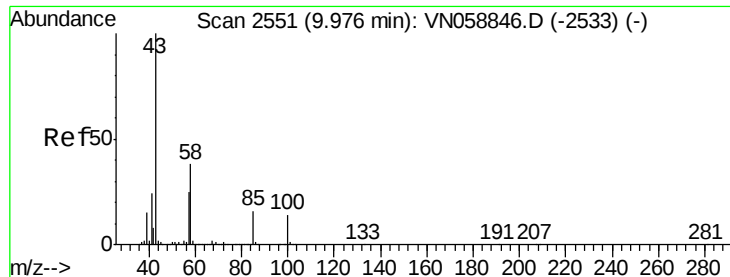
Tgt Ion: 88 Resp: 84849
Ion Ratio Lower Upper
88 100
43 36.1 29.1 43.7
58 71.5 59.4 89.0



#50
Toluene-d8
Concen: 51.353 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion: 98 Resp: 787567
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2

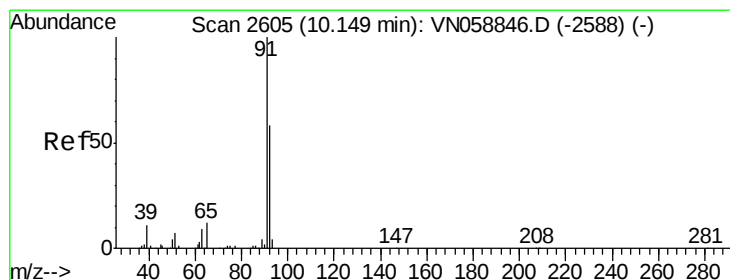
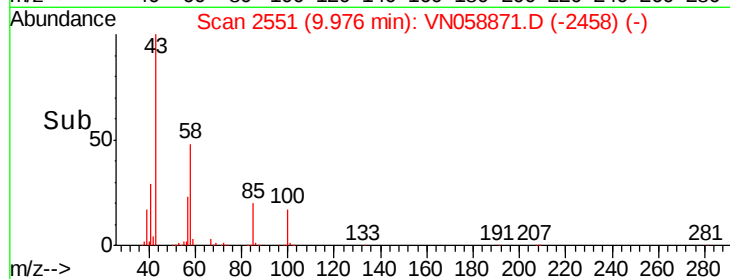
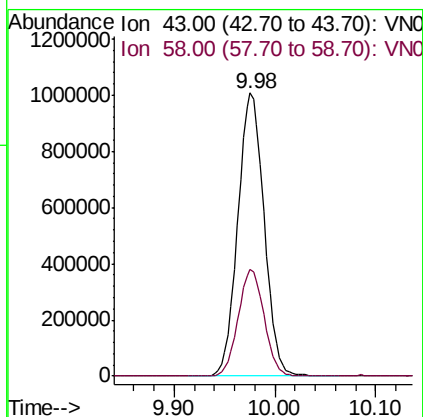
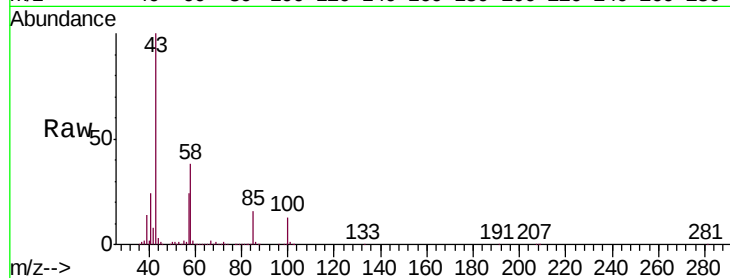




#51
 4-Methyl-2-Pentanone
 Concen: 289.250 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

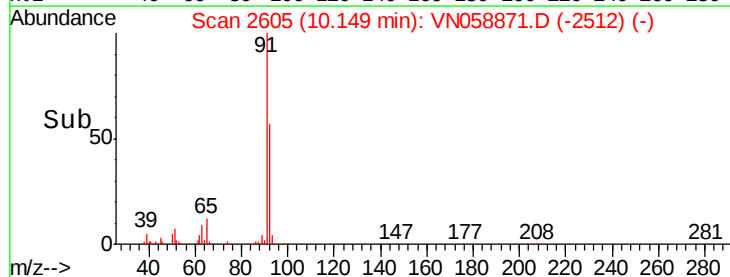
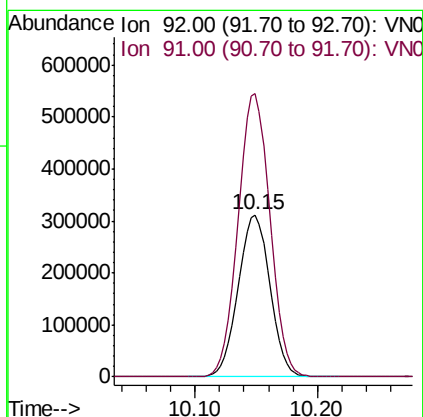
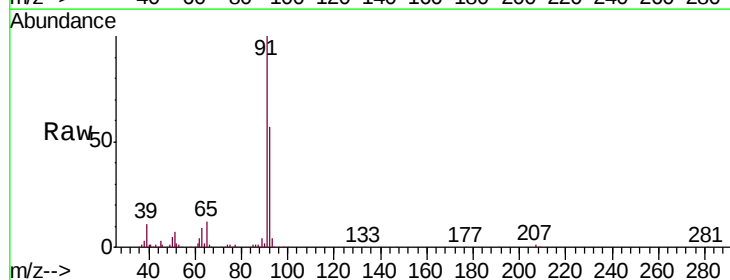
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

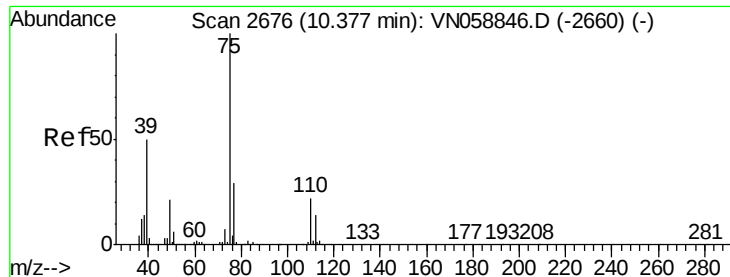
Tgt Ion: 43 Resp: 1816308
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.9 44.9



#52
 Toluene
 Concen: 52.503 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion: 92 Resp: 562457
 Ion Ratio Lower Upper
 92 100
 91 175.2 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 51.865 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

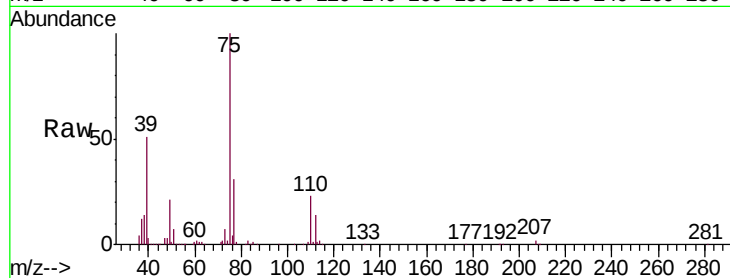
VSTDCCC050EC

Tgt Ion: 75 Resp: 370585

Ion Ratio Lower Upper

75 100

77 31.0 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

150000

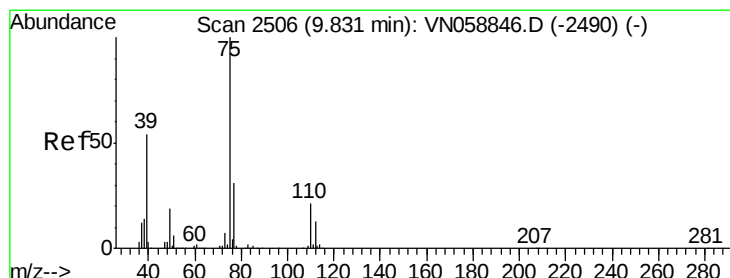
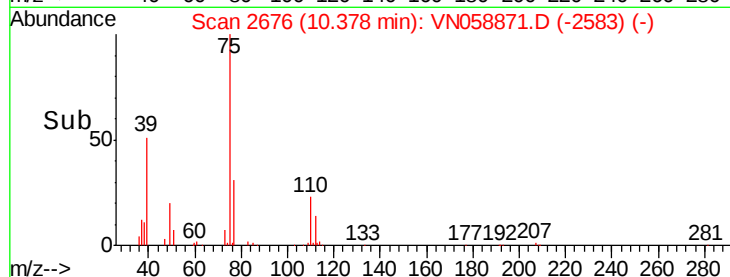
100000

50000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.315 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

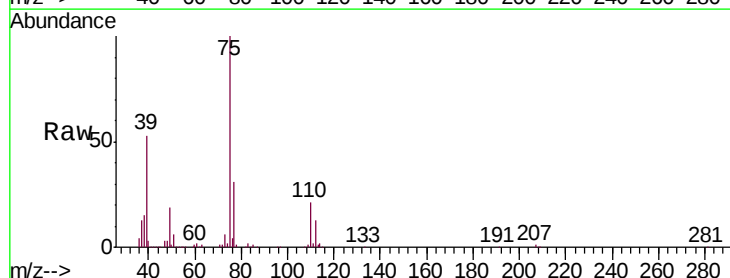
Tgt Ion: 75 Resp: 399361

Ion Ratio Lower Upper

75 100

77 30.6 24.7 37.1

39 52.6 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

300000

250000

200000

150000

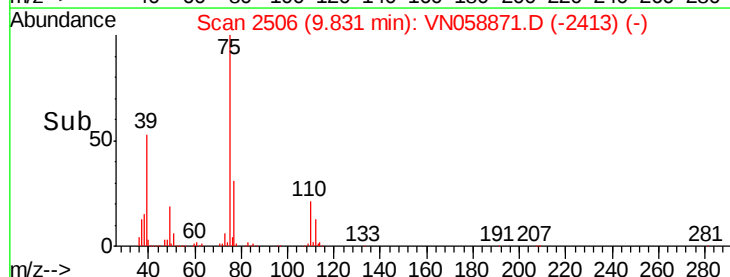
100000

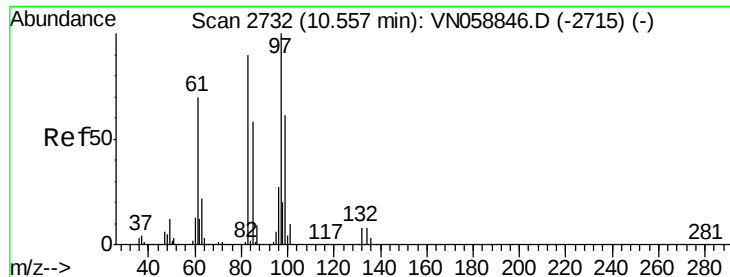
50000

0

9.75 9.80 9.85 9.90

Time-->

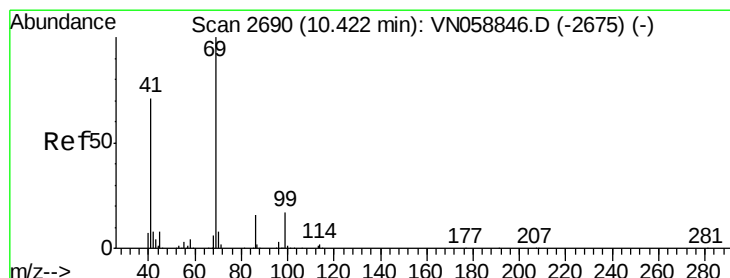
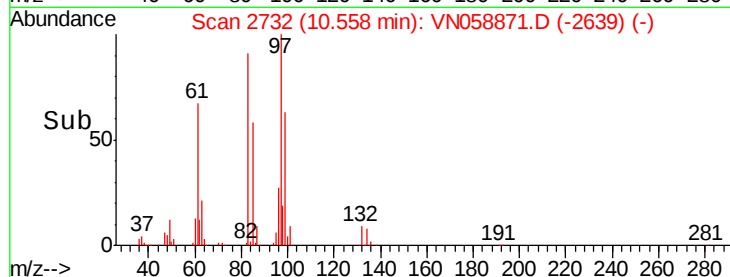
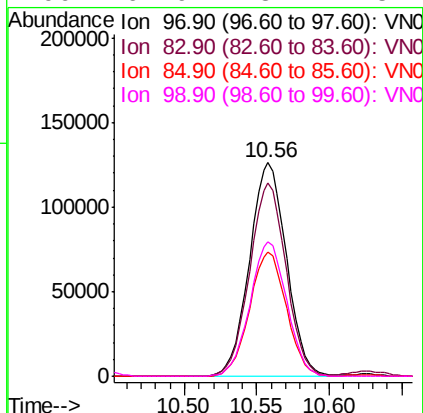
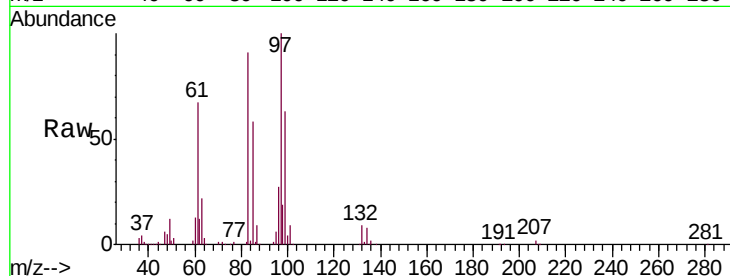




#55
 1,1,2-Trichloroethane
 Concen: 50.831 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

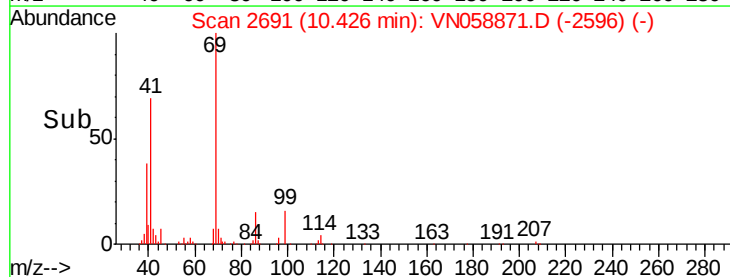
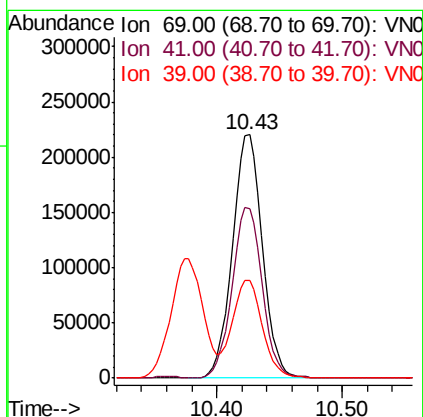
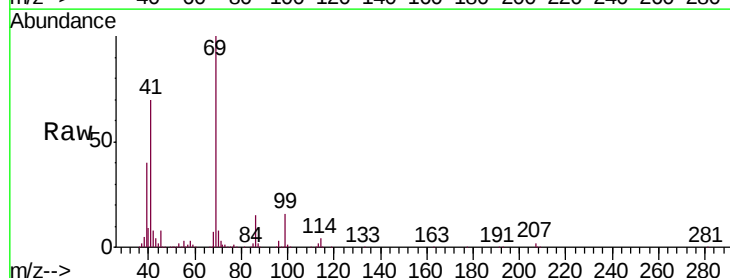
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

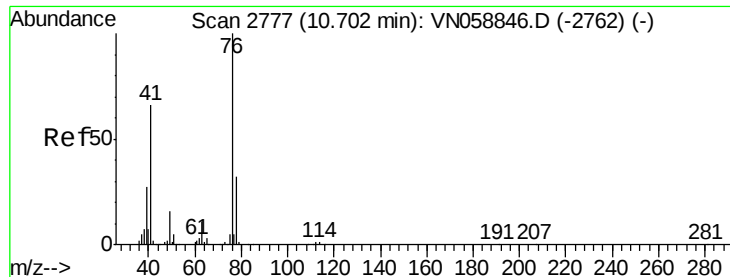
Tgt Ion: 97 Resp: 224328
 Ion Ratio Lower Upper
 97 100
 83 90.6 72.2 108.4
 85 58.4 46.2 69.2
 99 62.9 48.7 73.1



#56
 Ethyl methacrylate
 Concen: 49.331 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion: 69 Resp: 365488
 Ion Ratio Lower Upper
 69 100
 41 69.5 57.2 85.8
 39 40.6 31.0 46.4





#57

1,3-Dichloropropane

Concen: 51.708 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

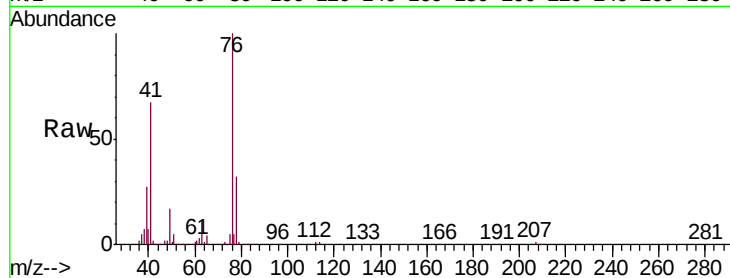
VSTDCCC050EC

Tgt Ion: 76 Resp: 400515

Ion Ratio Lower Upper

76 100

78 31.9 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

250000

200000

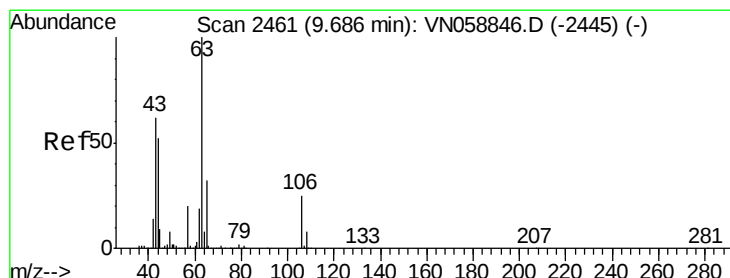
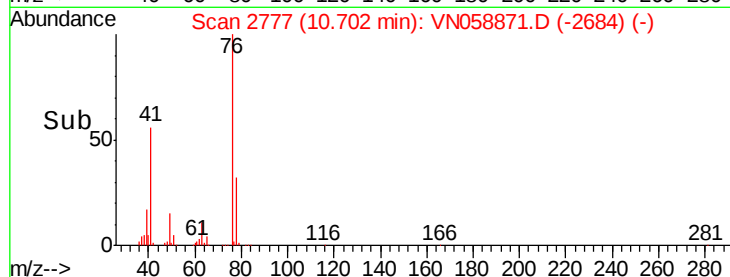
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 251.288 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058871.D

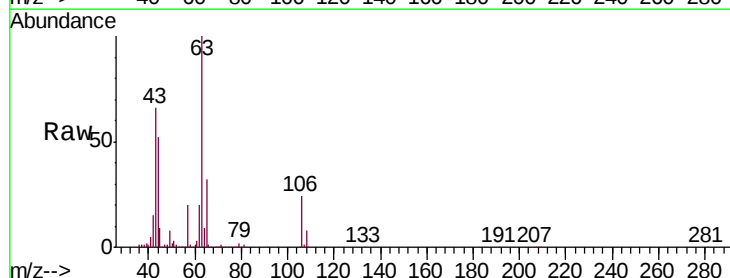
Acq: 18 Oct 2019 20:06

Tgt Ion: 63 Resp: 786729

Ion Ratio Lower Upper

63 100

106 24.1 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

500000

400000

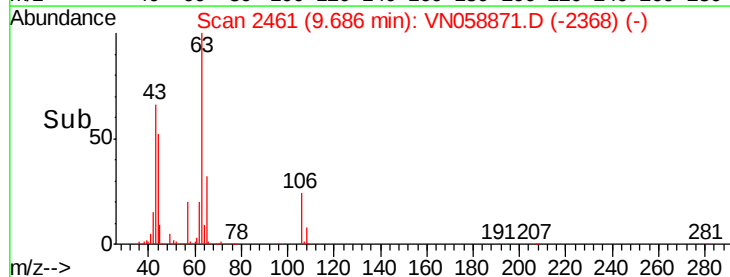
300000

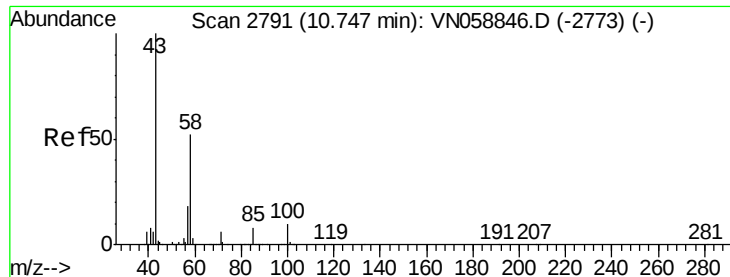
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80

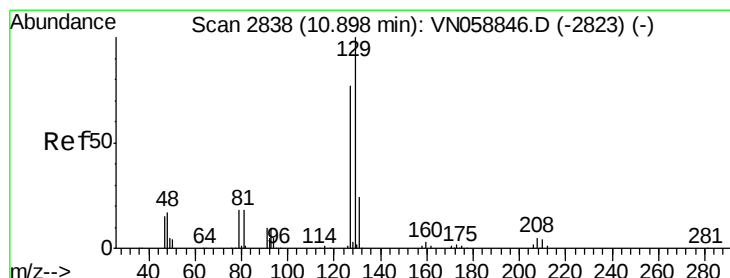
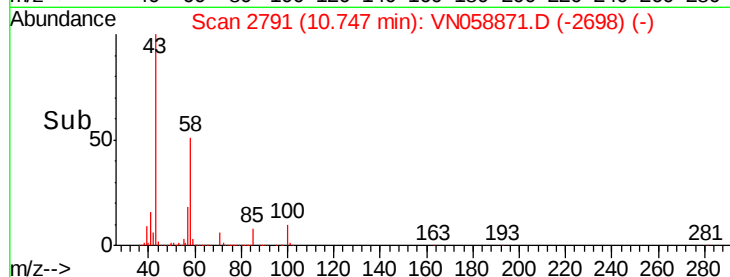
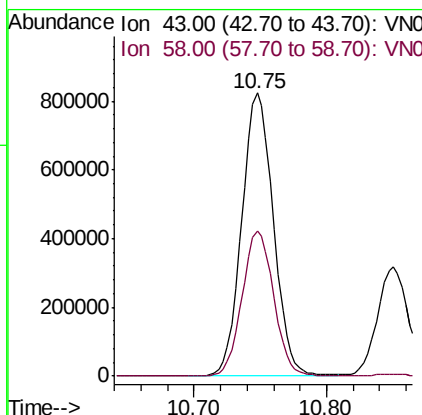
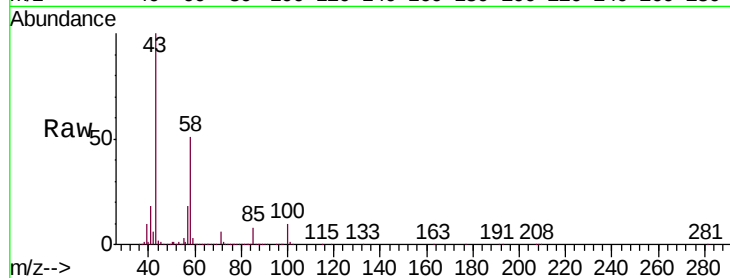




#59
2-Hexanone
Concen: 281.101 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

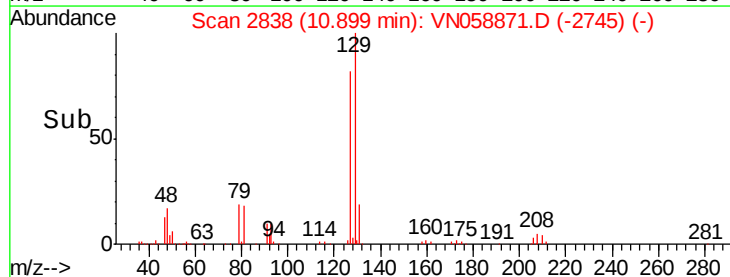
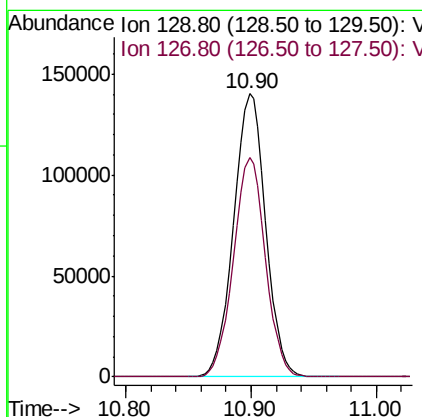
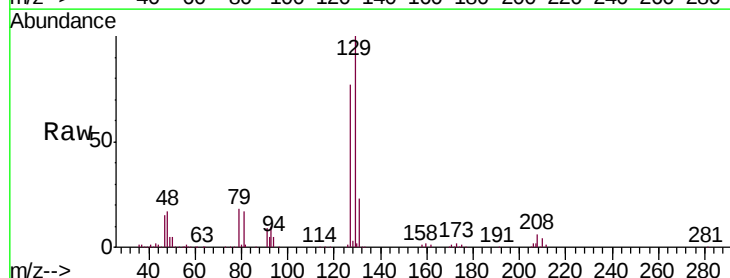
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

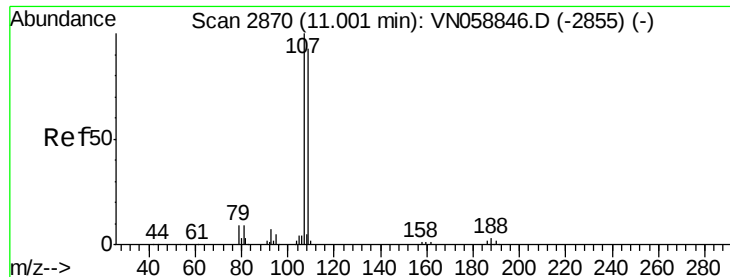
Tgt Ion: 43 Resp: 1363978
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7



#60
Dibromochloromethane
Concen: 52.416 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion: 129 Resp: 248988
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.3





#61

1,2-Dibromoethane

Concen: 51.932 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

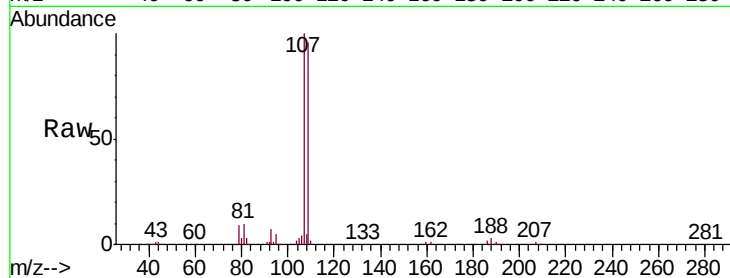
VSTDCCC050EC

Tgt Ion: 107 Resp: 234545

Ion Ratio Lower Upper

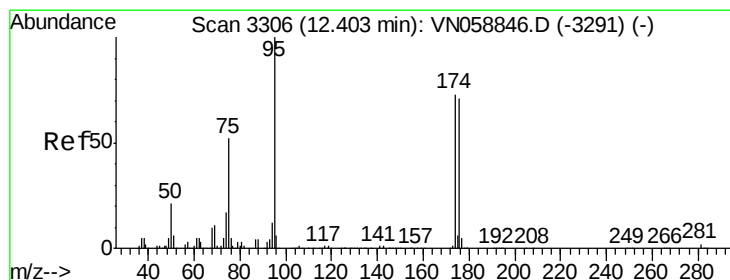
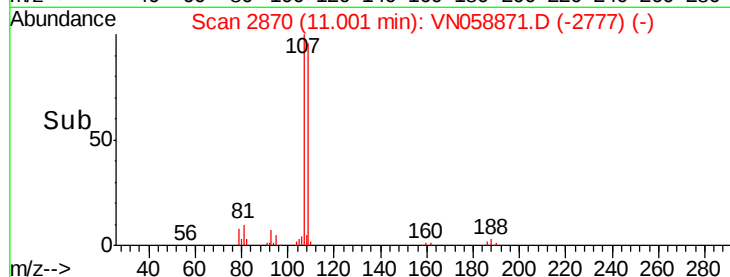
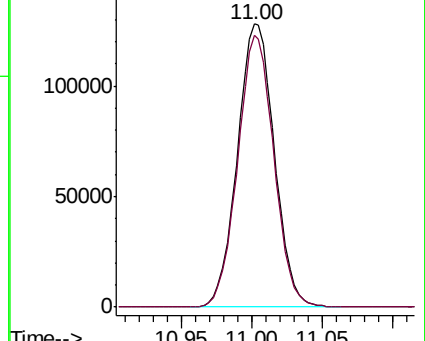
107 100

109 94.1 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.251 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

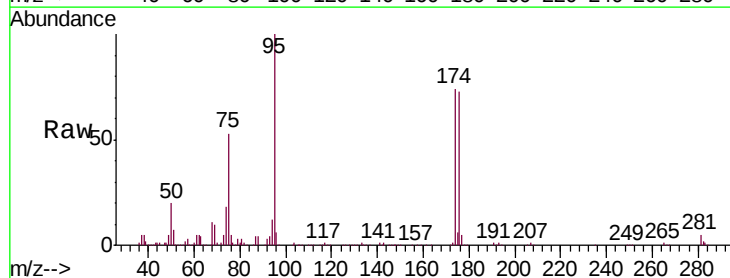
Tgt Ion: 95 Resp: 294275

Ion Ratio Lower Upper

95 100

174 74.5 0.0 147.6

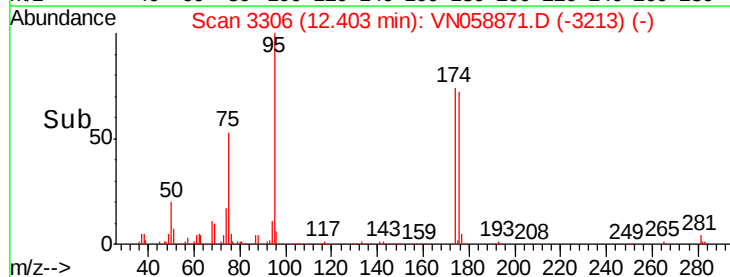
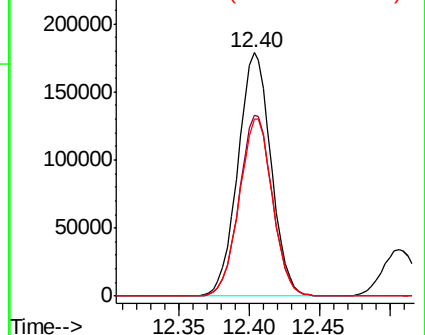
176 73.0 0.0 143.2

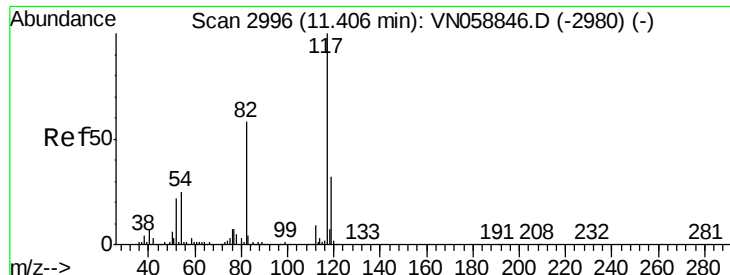


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

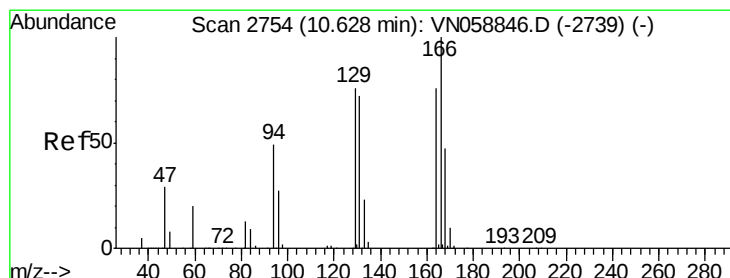
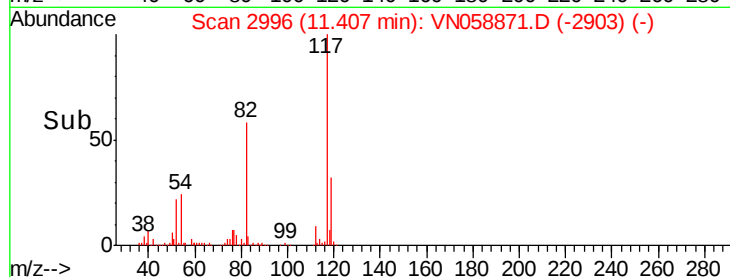
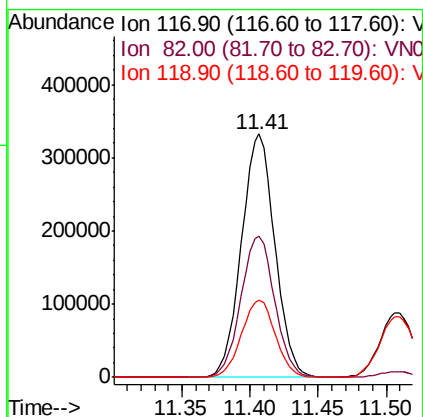
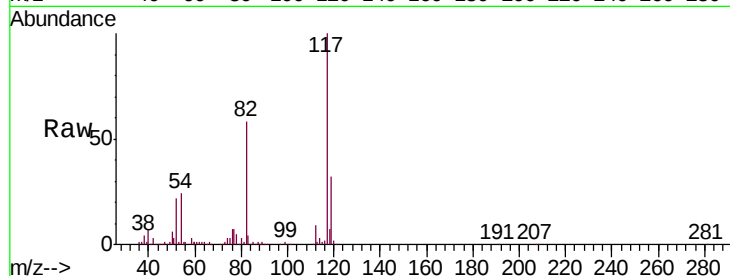




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

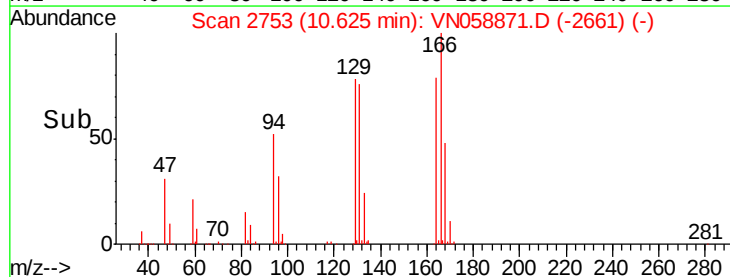
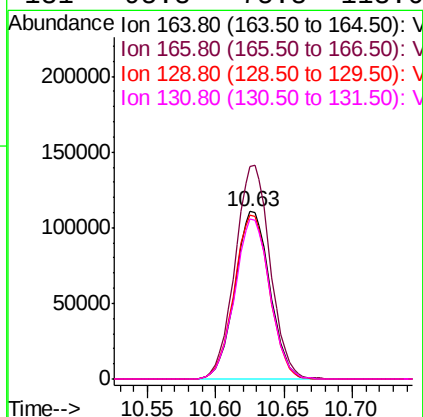
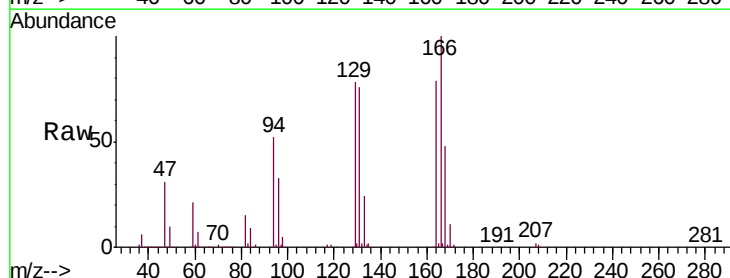
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

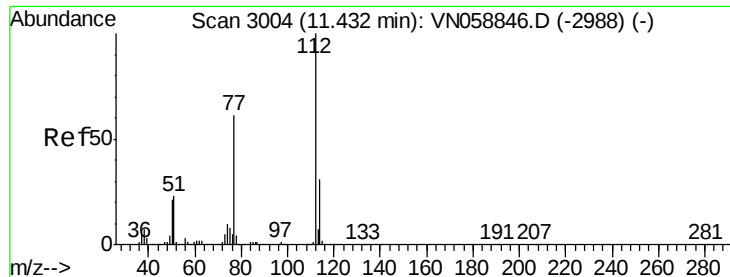
Tgt Ion:117 Resp: 566422
Ion Ratio Lower Upper
117 100
82 58.3 46.6 69.8
119 31.8 25.6 38.4



#64
Tetrachloroethene
Concen: 49.552 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion:164 Resp: 196565
Ion Ratio Lower Upper
164 100
166 126.7 104.8 157.2
129 98.2 79.3 118.9
131 95.8 75.8 113.6





#65

Chlorobenzene

Concen: 50.862 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

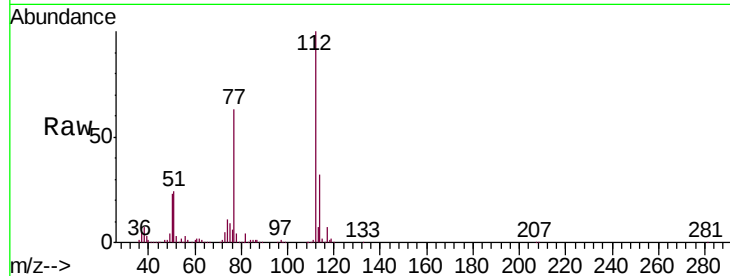
VSTDCCC050EC

Tgt Ion:112 Resp: 586518

Ion Ratio Lower Upper

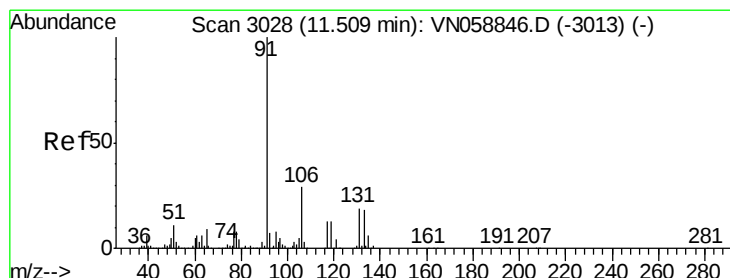
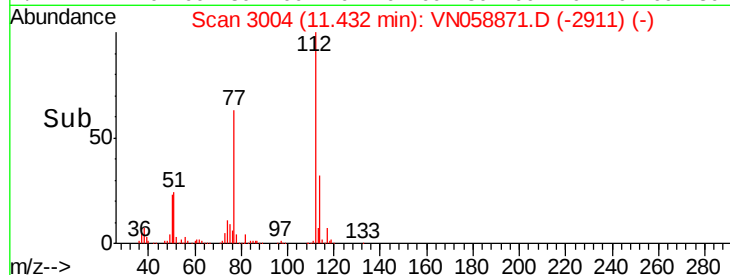
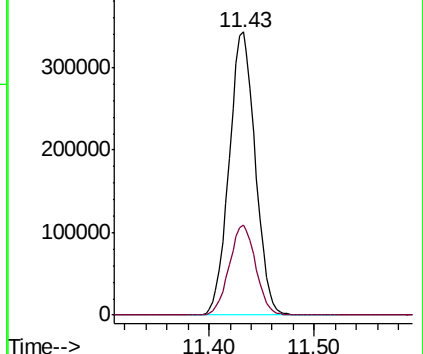
112 100

114 32.0 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.569 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

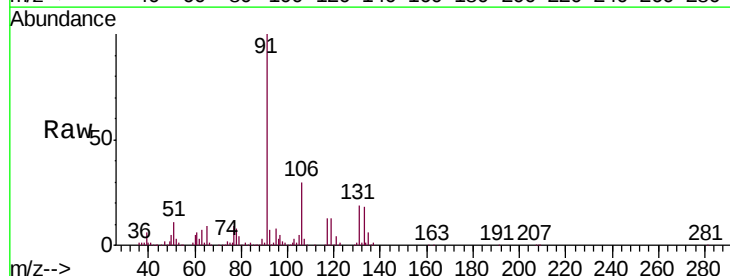
Tgt Ion:131 Resp: 224406

Ion Ratio Lower Upper

131 100

133 94.4 48.4 145.2

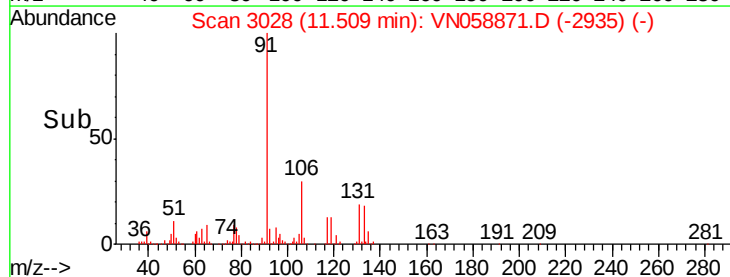
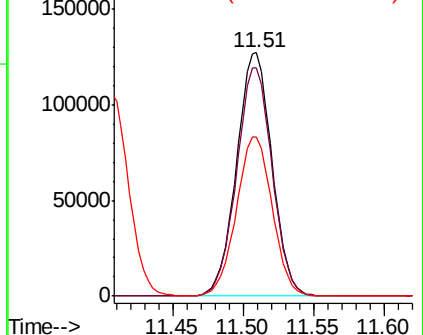
119 66.2 33.6 100.8

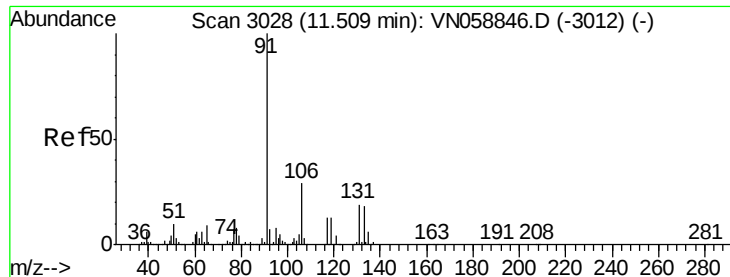


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.163 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

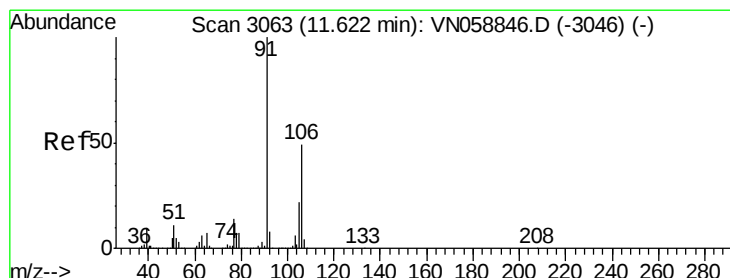
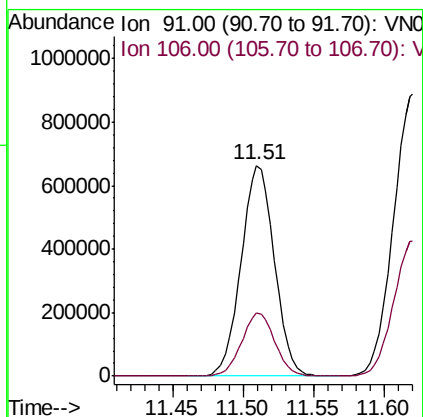
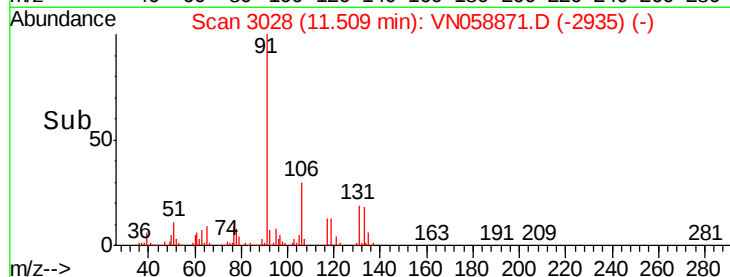
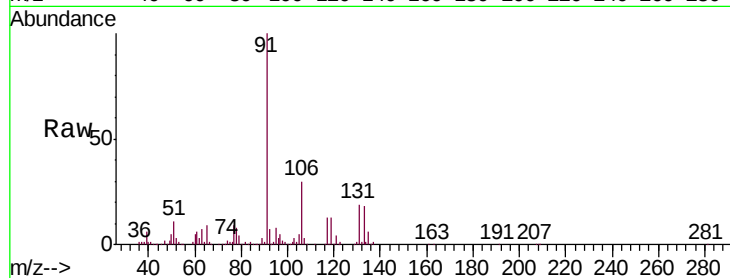
VSTDCCC050EC

Tgt Ion: 91 Resp: 1095662

Ion Ratio Lower Upper

91 100

106 29.8 23.4 35.0



#68

m/p-Xylenes

Concen: 108.880 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058871.D

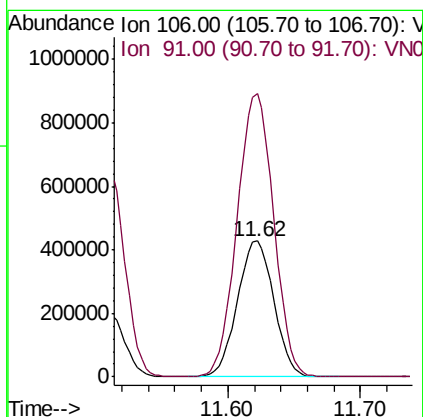
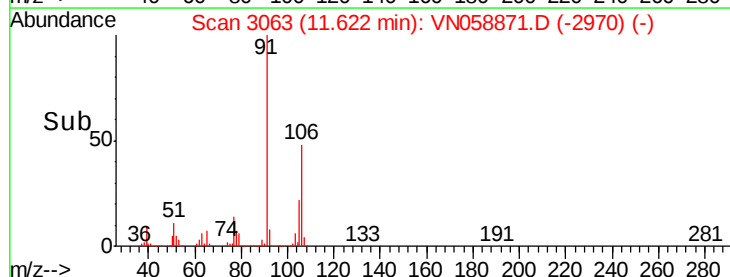
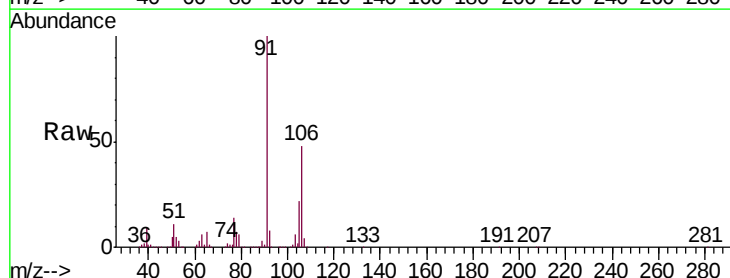
Acq: 18 Oct 2019 20:06

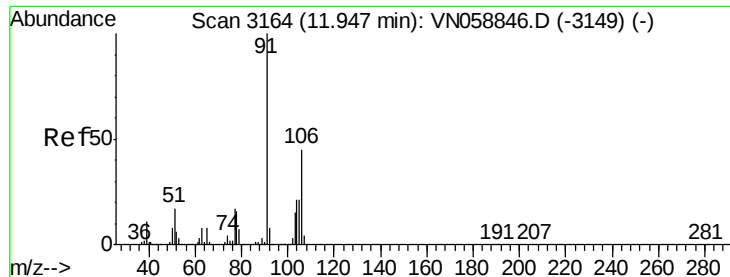
Tgt Ion: 106 Resp: 816806

Ion Ratio Lower Upper

106 100

91 208.8 166.6 249.8





#69

o-Xylene

Concen: 53.782 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

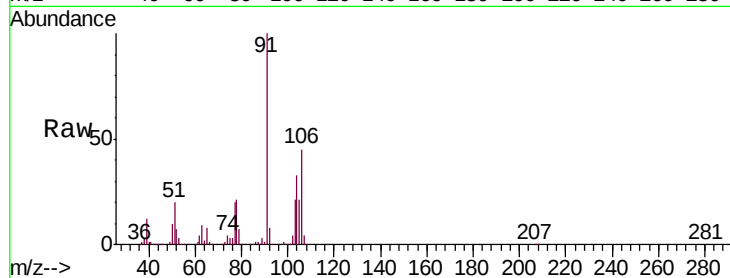
VSTDCCC050EC

Tgt Ion:106 Resp: 384797

Ion Ratio Lower Upper

106 100

91 222.8 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

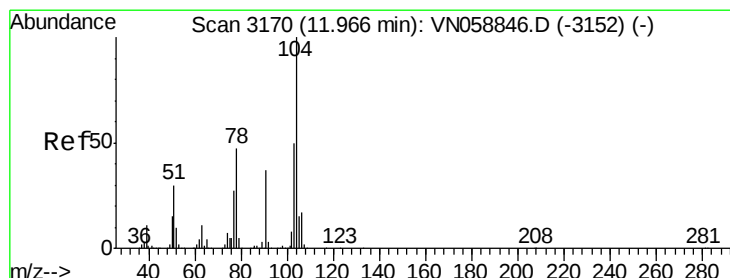
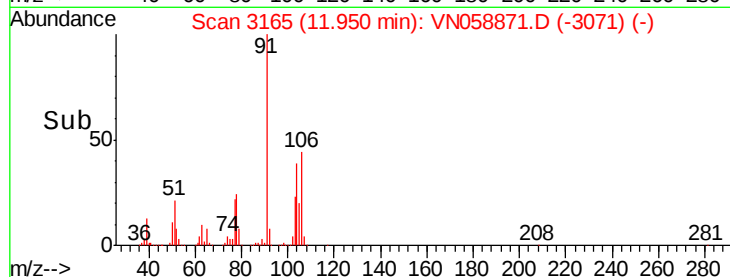
200000

100000

0

11.95

Time-->



#70

Styrene

Concen: 49.971 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

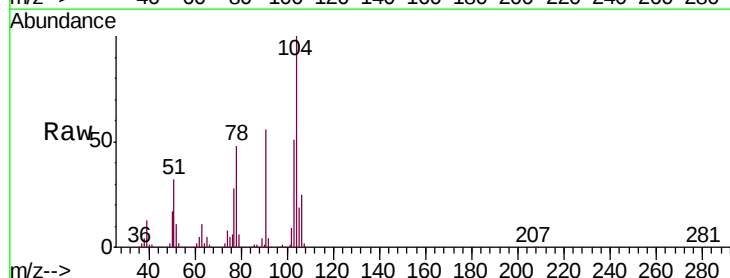
Tgt Ion:104 Resp: 659939

Ion Ratio Lower Upper

104 100

78 52.6 42.8 64.2

103 55.3 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

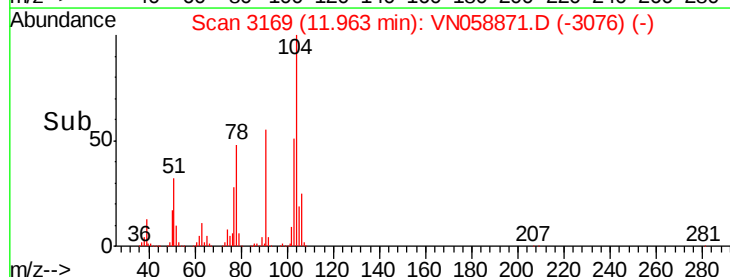
200000

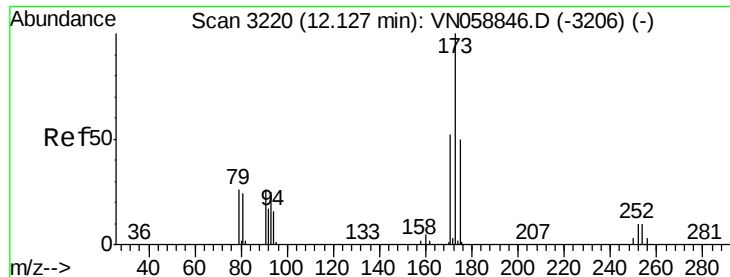
100000

0

11.96

Time-->

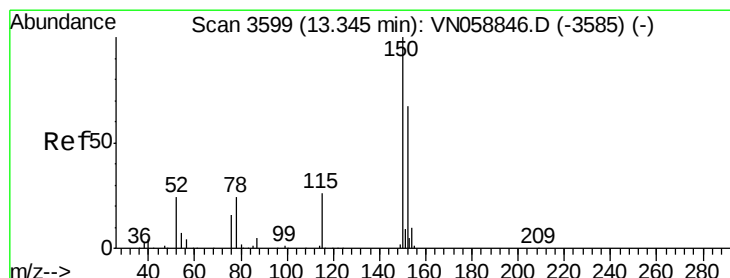
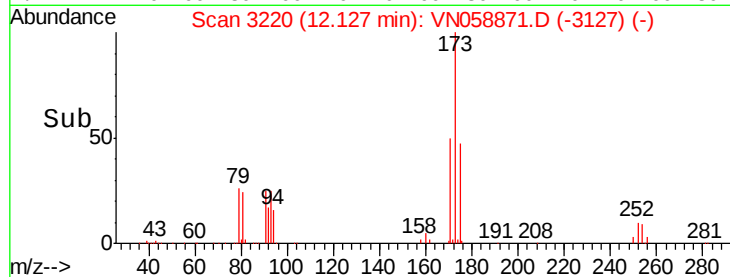
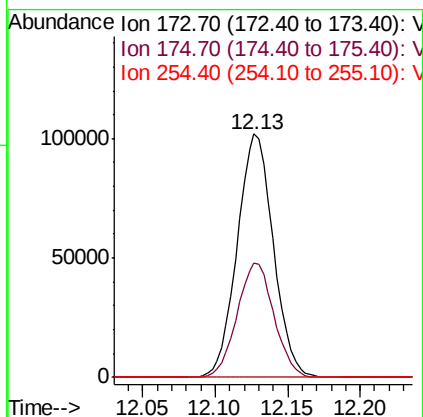
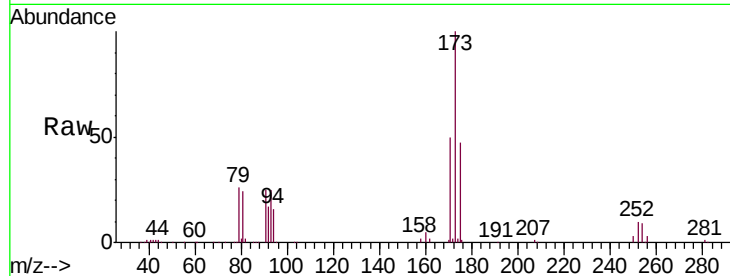




#71
Bromoform
Concen: 52.261 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

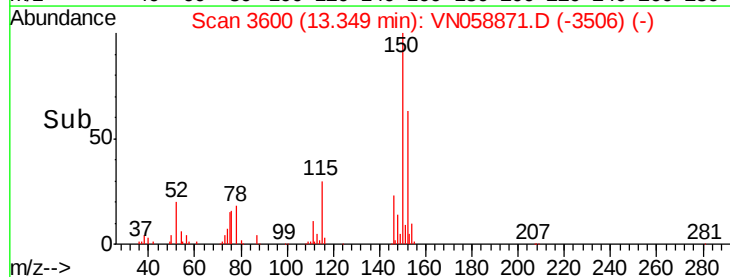
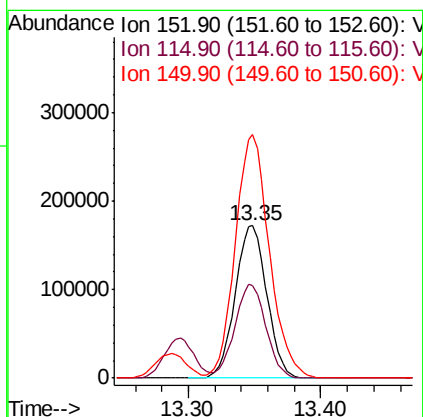
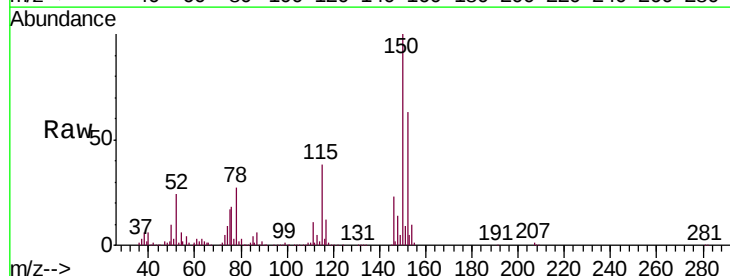
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

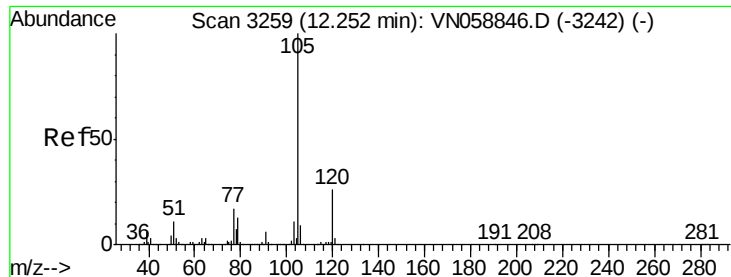
Tgt Ion:173 Resp: 176348
Ion Ratio Lower Upper
173 100
175 48.0 24.7 74.1
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058871.D
Acq: 18 Oct 2019 20:06

Tgt Ion:152 Resp: 284327
Ion Ratio Lower Upper
152 100
115 60.5 30.5 91.5
150 172.7 0.0 344.4





#73

Isopropylbenzene

Concen: 50.835 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

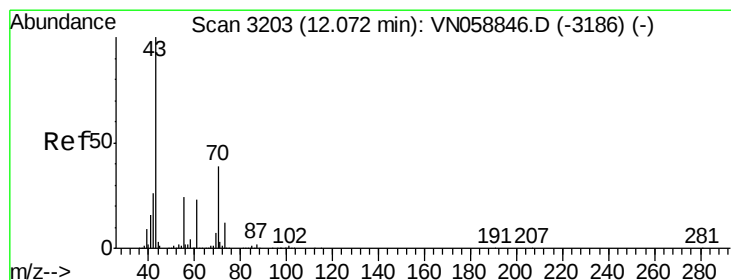
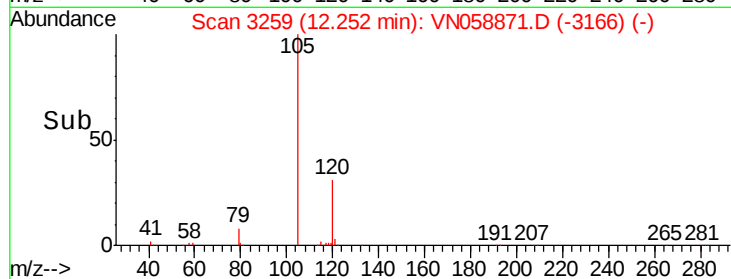
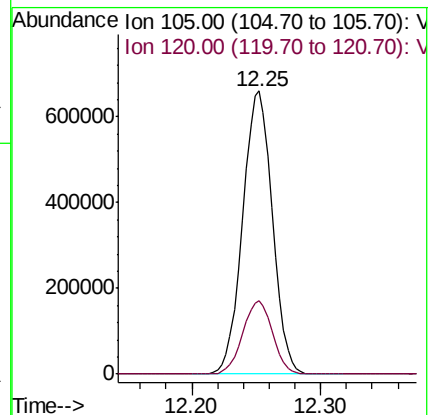
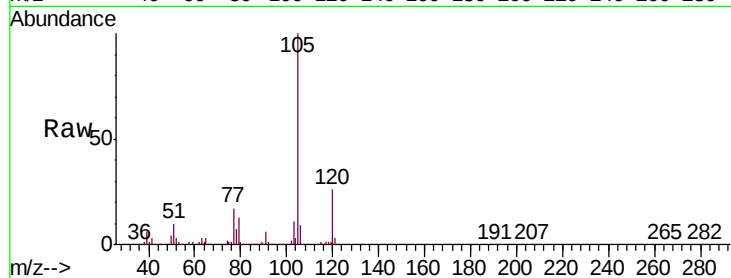
VSTDCCC050EC

Tgt Ion:105 Resp: 1056303

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4



#74

N-ethyl acetate

Concen: 54.456 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Tgt Ion: 43 Resp: 512995

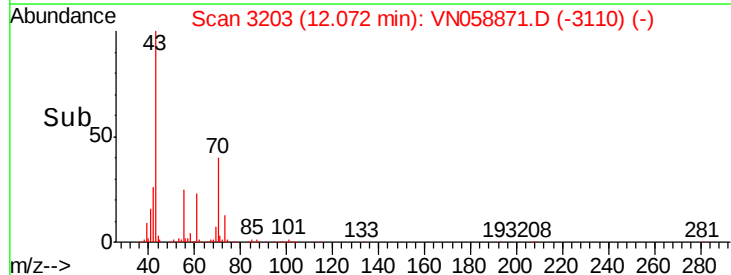
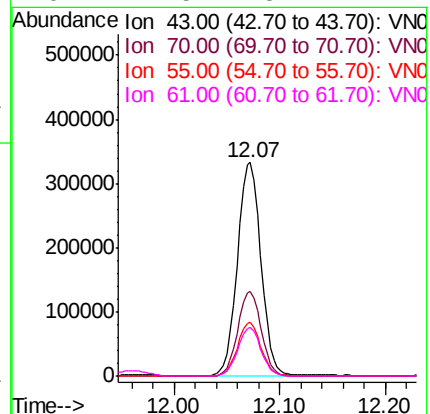
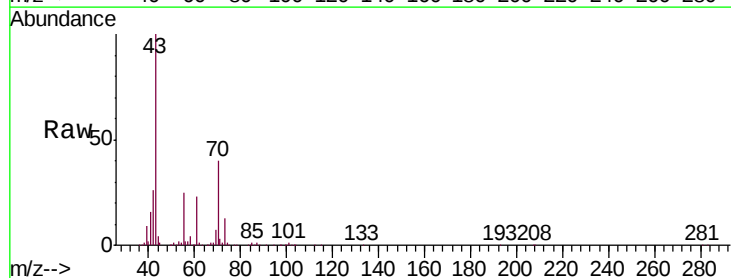
Ion Ratio Lower Upper

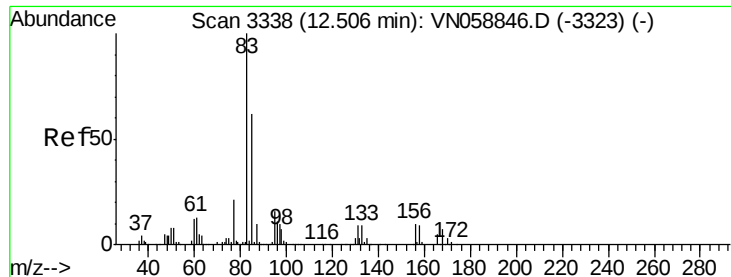
43 100

70 39.5 30.9 46.3

55 25.1 19.7 29.5

61 22.5 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.998 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

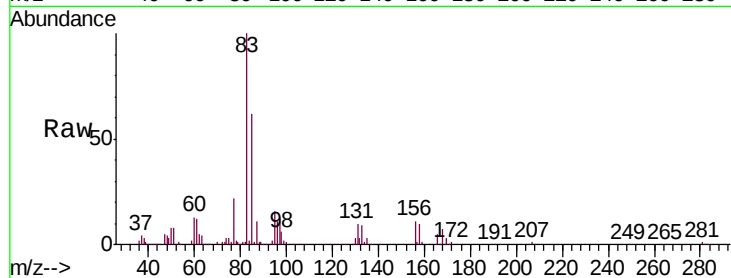
Tgt Ion: 83 Resp: 357998

Ion Ratio Lower Upper

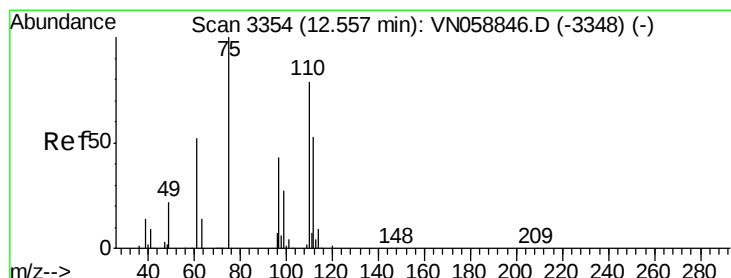
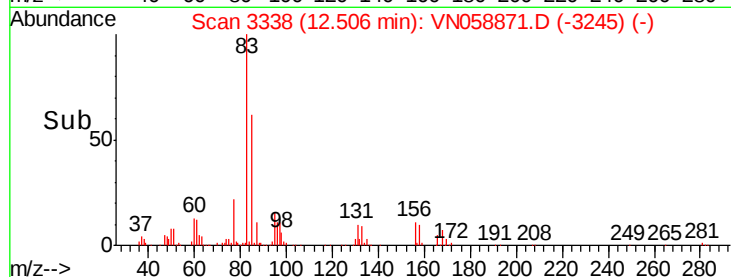
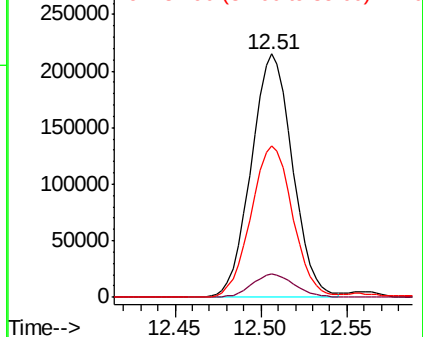
83 100

131 9.9 4.7 14.1

85 62.9 31.7 95.1



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



#76

1,2,3-Trichloropropane

Concen: 73.487 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058871.D

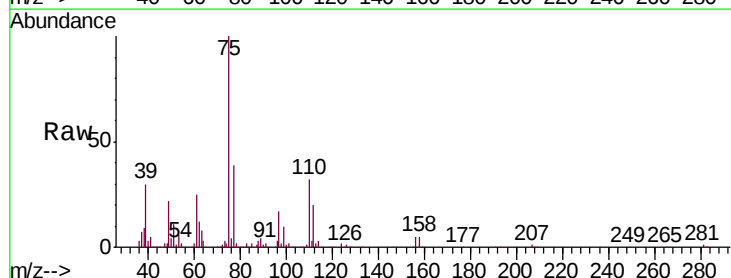
Acq: 18 Oct 2019 20:06

Tgt Ion: 75 Resp: 484247

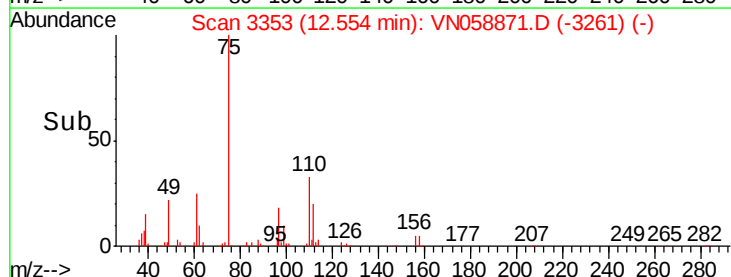
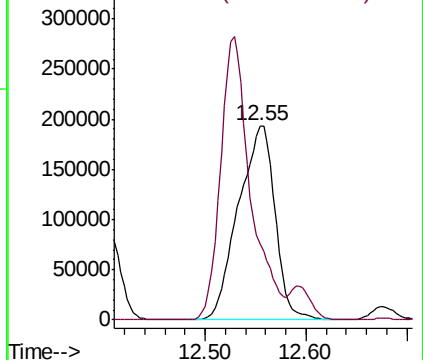
Ion Ratio Lower Upper

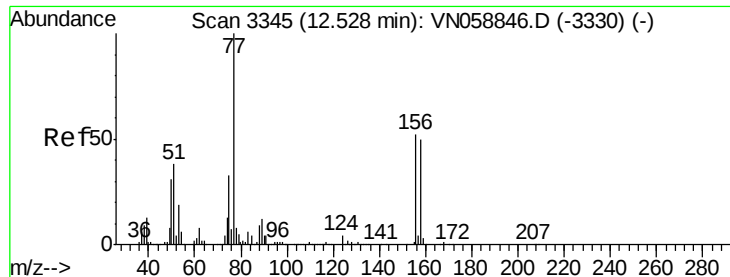
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 49.067 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

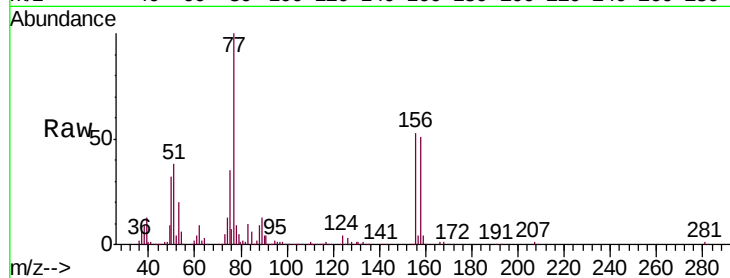
Tgt Ion:156 Resp: 251302

Ion Ratio Lower Upper

156 100

77 234.0 118.0 354.0

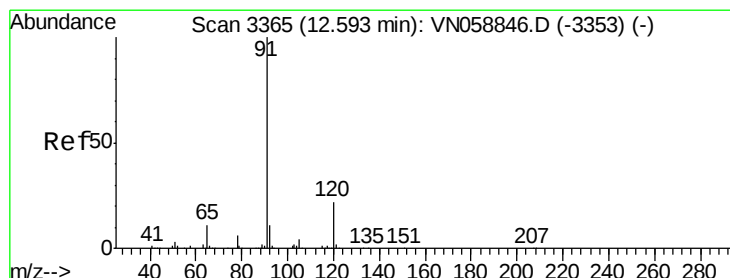
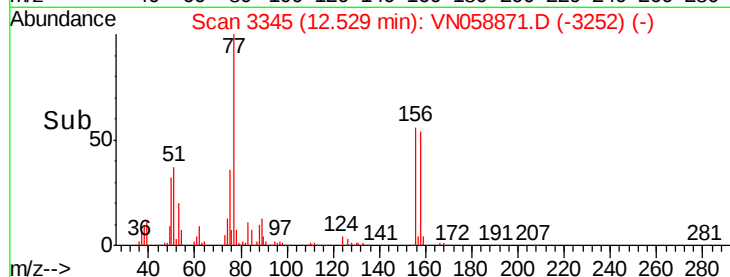
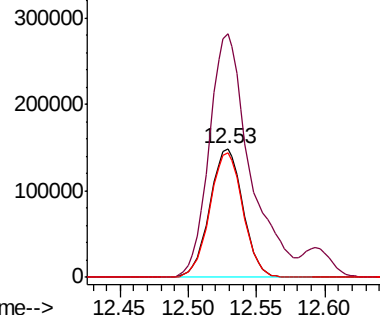
158 97.3 48.3 144.8



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: 51.866 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058871.D

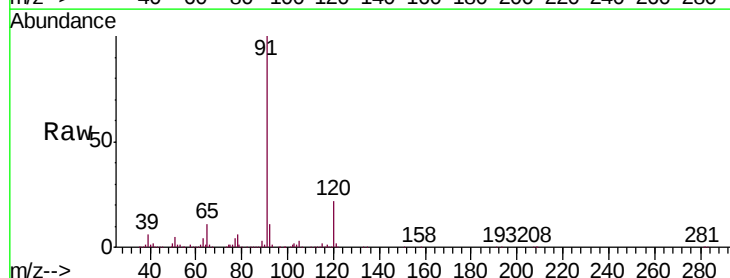
Acq: 18 Oct 2019 20:06

Tgt Ion: 91 Resp: 1273904

Ion Ratio Lower Upper

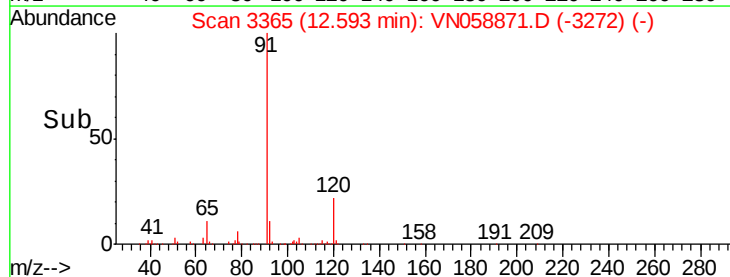
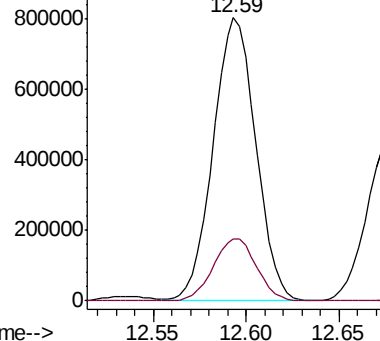
91 100

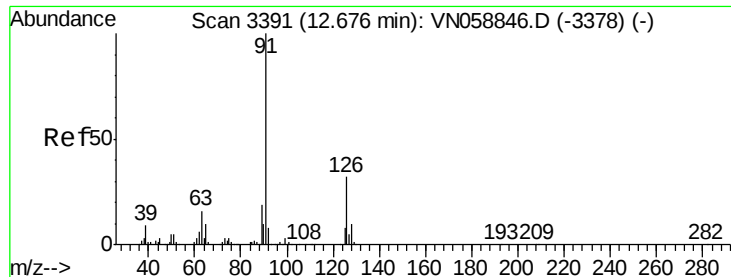
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

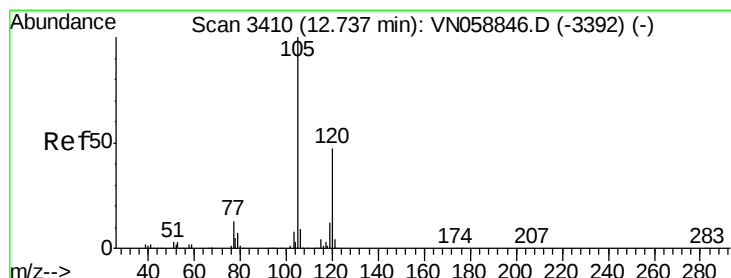
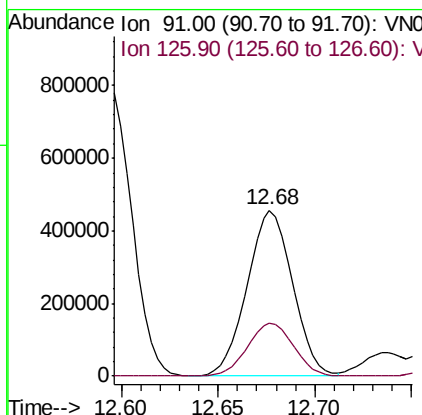
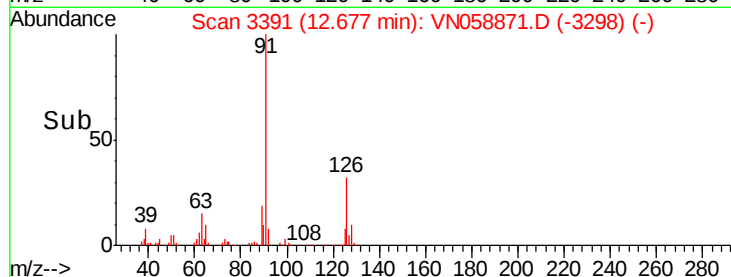
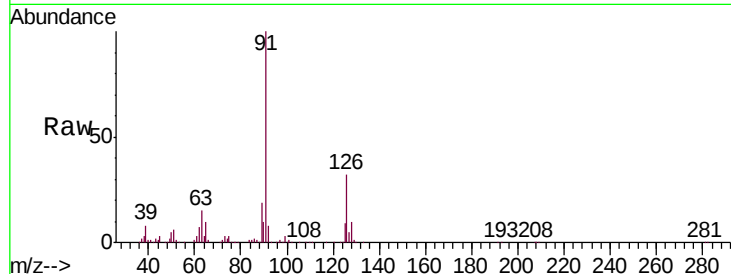




#79
 2-Chlorotoluene
 Concen: 49.541 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

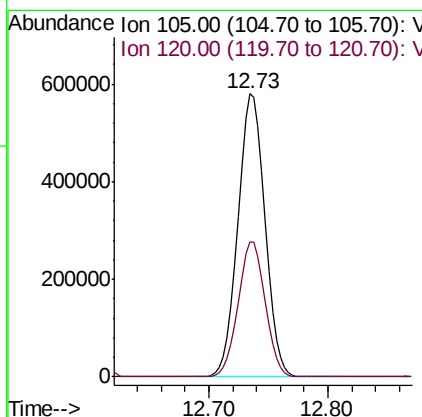
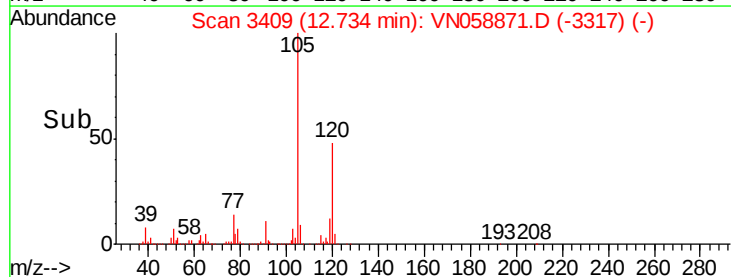
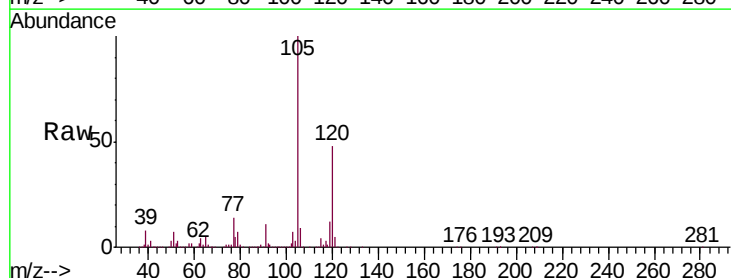
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

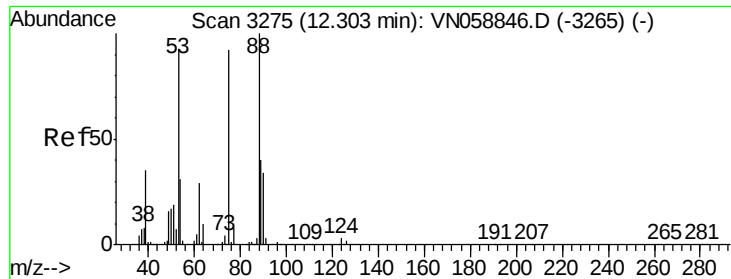
Tgt Ion: 91 Resp: 744727
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 52.278 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion: 105 Resp: 912686
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 49.934 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

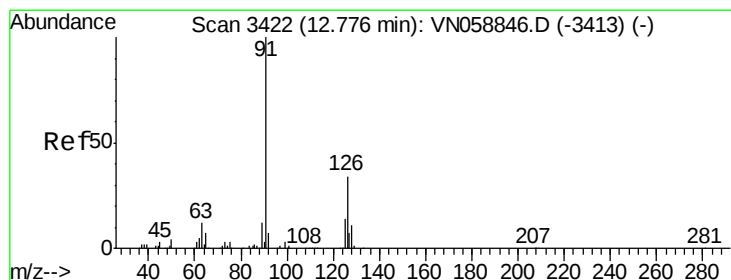
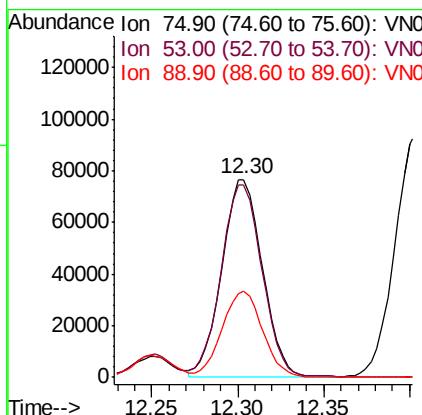
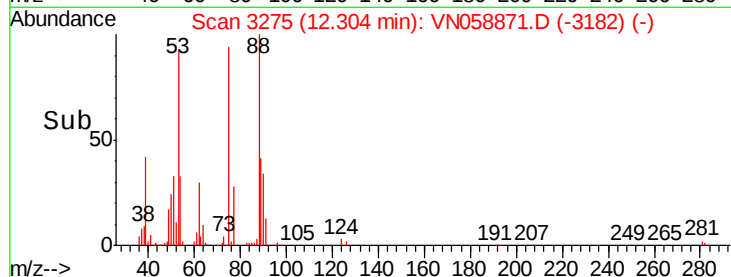
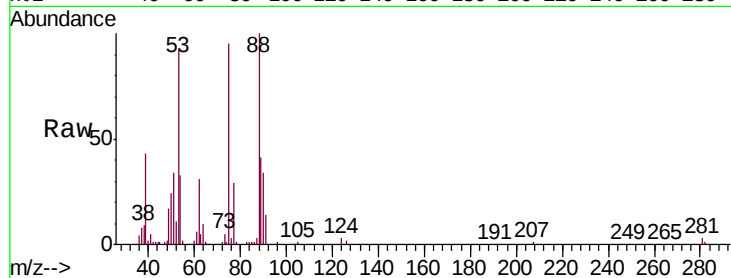
Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 126308

Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.6	118.0
89	43.1	35.4	53.0



#82

4-Chlorotoluene

Concen: 50.701 ug/l

RT: 12.78 min Scan# 3422

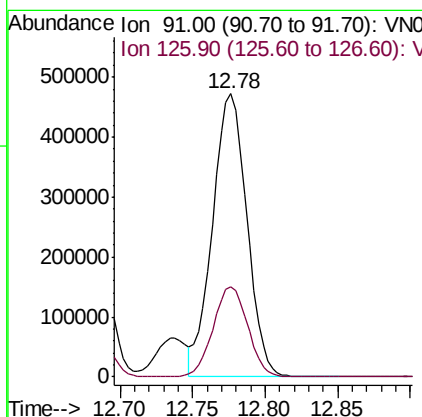
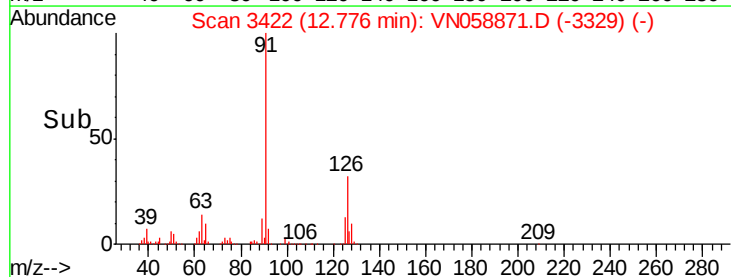
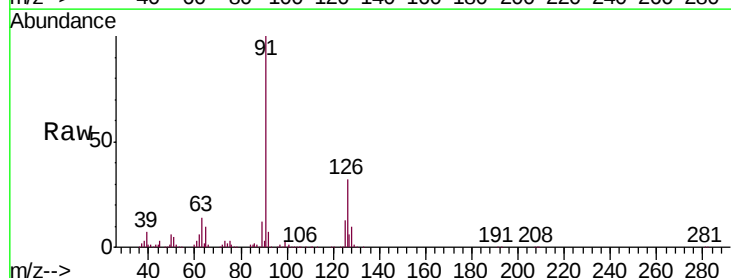
Delta R.T. 0.00 min

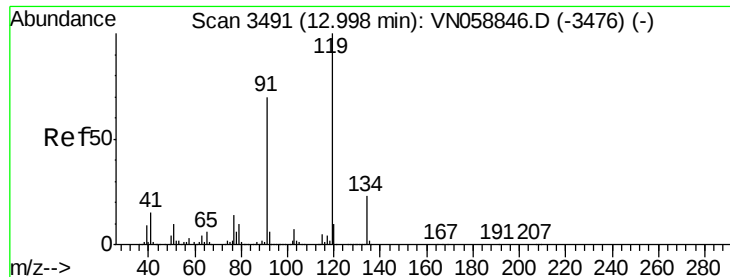
Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Tgt Ion: 91 Resp: 778879

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	47.9

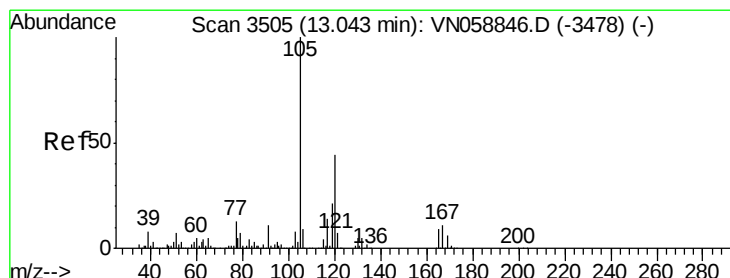
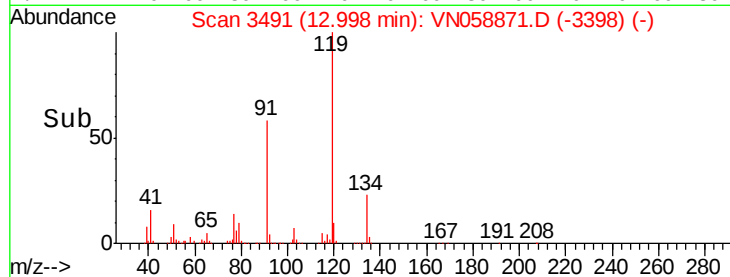
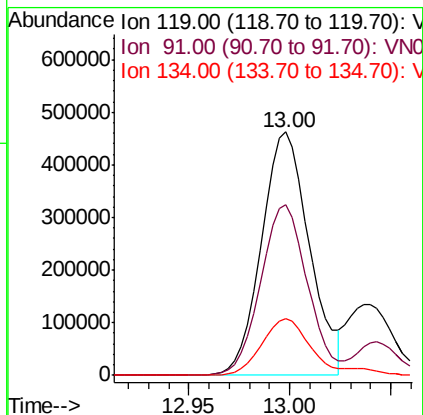
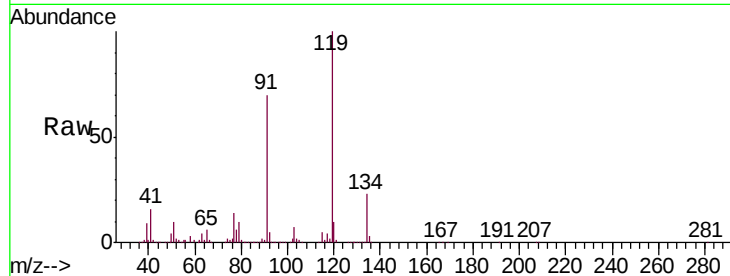




#83
 tert-Butylbenzene
 Concen: 51.383 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

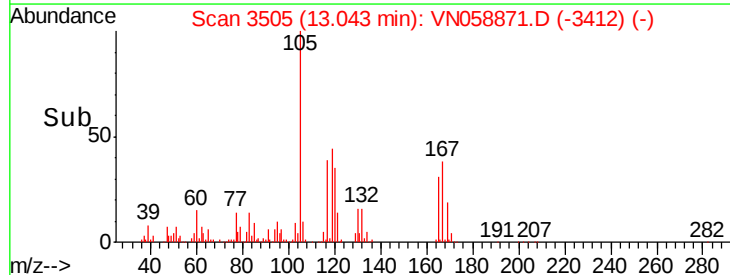
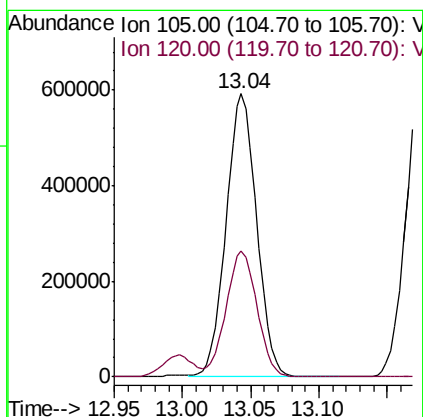
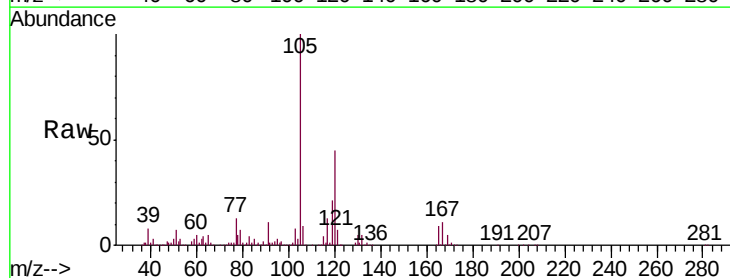
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

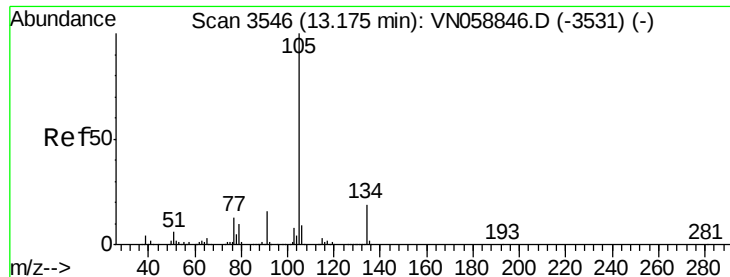
Tgt Ion:119 Resp: 767095
 Ion Ratio Lower Upper
 119 100
 91 68.5 34.1 102.3
 134 24.9 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 53.315 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion:105 Resp: 918065
 Ion Ratio Lower Upper
 105 100
 120 45.3 21.9 65.8

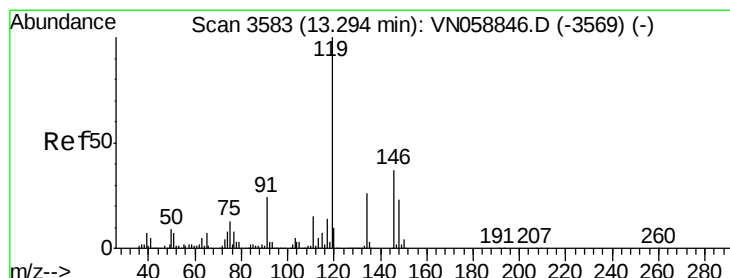
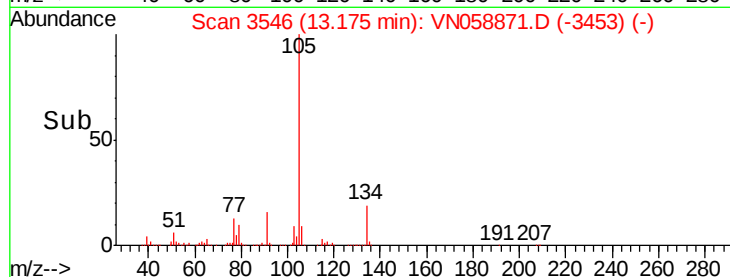
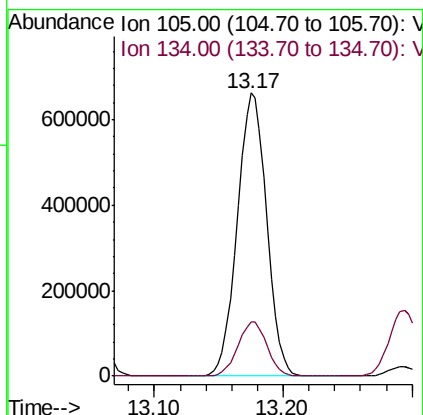
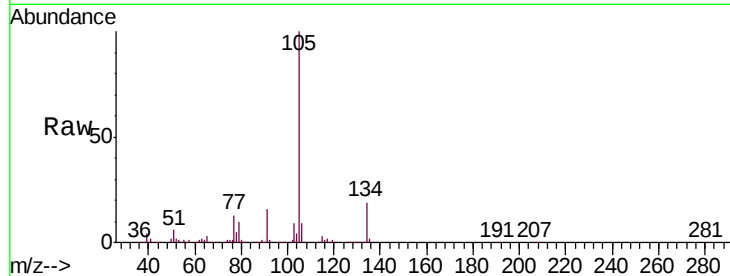




#85
 sec-Butylbenzene
 Concen: 52.412 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

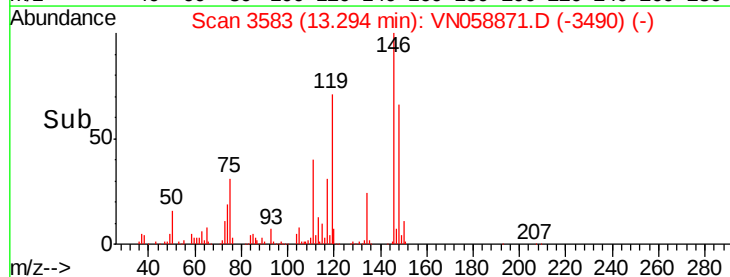
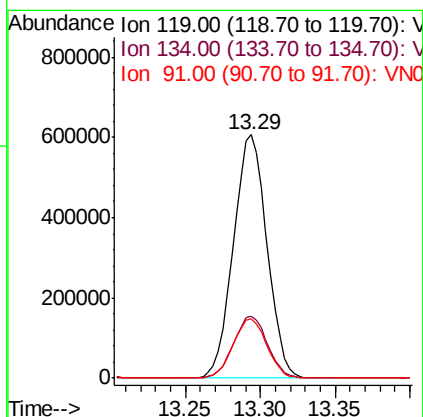
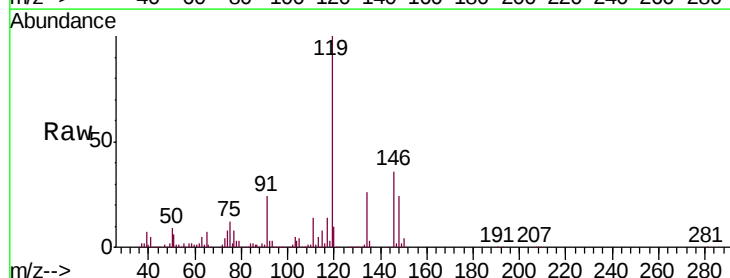
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

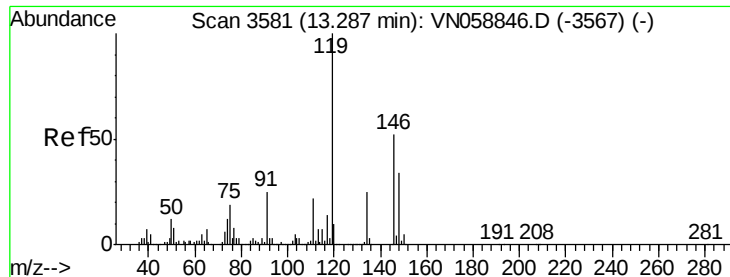
Tgt Ion:105 Resp: 1043213
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 53.757 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058871.D
 Acq: 18 Oct 2019 20:06

Tgt Ion:119 Resp: 944107
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.4
 91 24.5 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 50.129 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

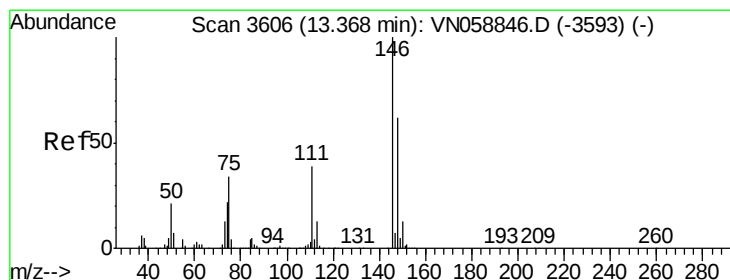
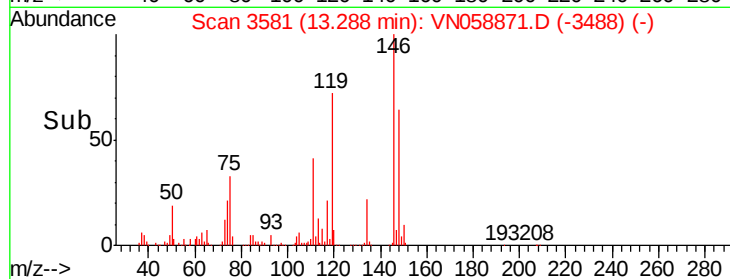
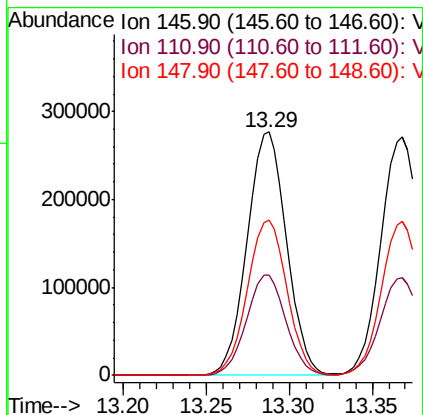
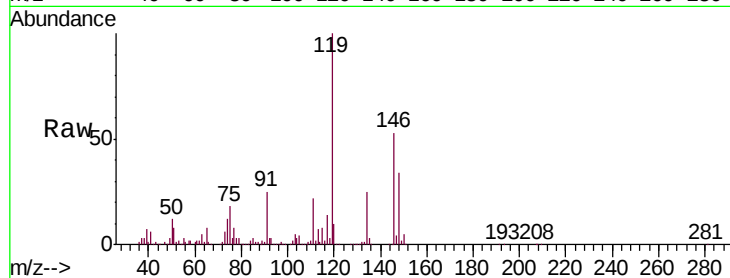
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	459080
Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.0	63.0
148	64.1	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 49.421 ug/l

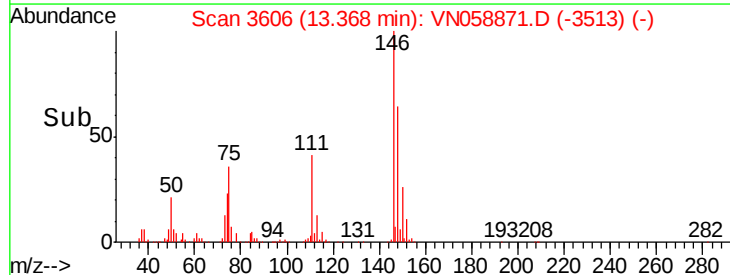
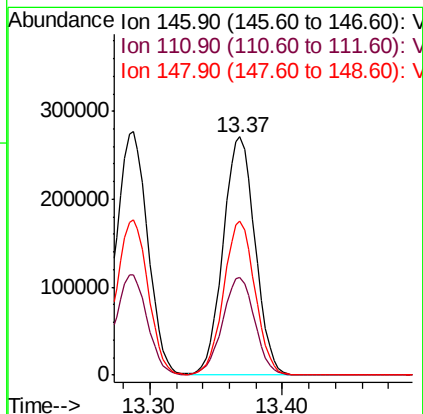
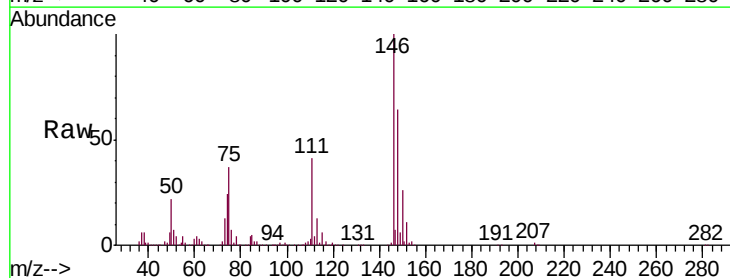
RT: 13.37 min Scan# 3606

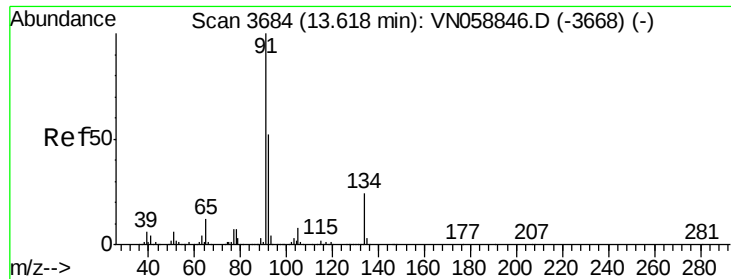
Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Tgt Ion:	146	Resp:	453132
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.2	60.6
148	63.3	31.6	94.7





#89

n-Butylbenzene

Concen: 53.045 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058871.D

Acq: 18 Oct 2019 20:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

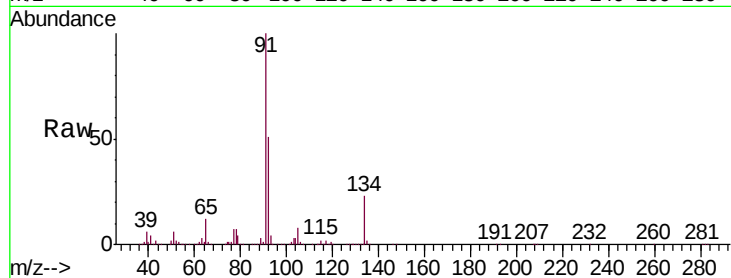
Tgt Ion: 91 Resp: 855782

Ion Ratio Lower Upper

91 100

92 51.5 25.7 77.1

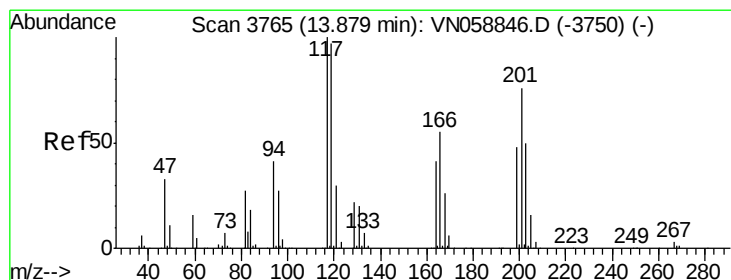
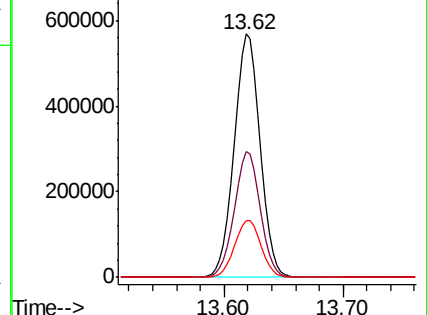
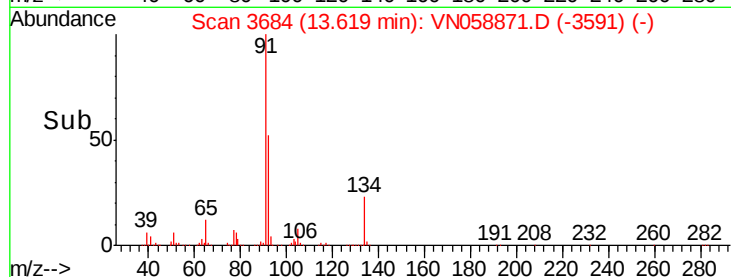
134 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058871.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN058871.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN058871.D (-3591) (-)



#90

Hexachloroethane

Concen: 48.834 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058871.D

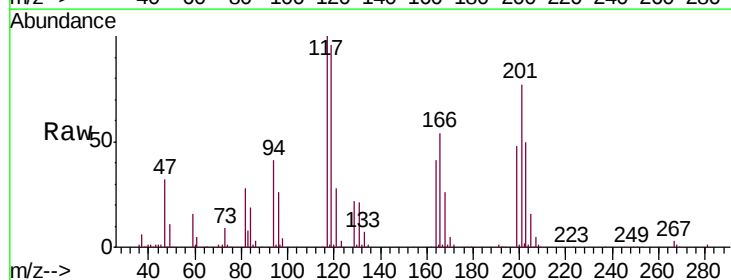
Acq: 18 Oct 2019 20:06

Tgt Ion: 117 Resp: 173788

Ion Ratio Lower Upper

117 100

201 77.0 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058871.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN058871.D (-3672) (-)

