

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061988.D
 Acq On : 20 Jun 2020 9:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 22 00:45:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	148850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	262747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	246230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	120964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	100224	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	7.55	113	85010	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.06	98	324109	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.38	95	110561	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	95773	49.453	ug/l 98
3) Chloromethane	2.03	50	104809	50.727	ug/l 98
4) Vinyl Chloride	2.16	62	131233	53.280	ug/l 100
5) Bromomethane	2.52	94	86259	45.605	ug/l 98
6) Chloroethane	2.66	64	88947	53.359	ug/l 99
7) Trichlorofluoromethane	2.98	101	158110	53.740	ug/l 98
8) Diethyl Ether	3.37	74	55012	55.619	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	78779	52.193	ug/l 99
10) Methyl Iodide	3.91	142	101450	55.086	ug/l 99
11) Tert butyl alcohol	4.73	59	73348	265.516	ug/l 99
12) 1,1-Dichloroethene	3.69	96	80584	53.283	ug/l 95
13) Acrolein	3.56	56	46411	281.099	ug/l 98
14) Allyl chloride	4.27	41	103517	51.571	ug/l 99
15) Acrylonitrile	4.93	53	201055	293.727	ug/l 99
16) Acetone	3.78	43	158715	269.159	ug/l 98
17) Carbon Disulfide	4.00	76	217499	49.150	ug/l 99
18) Methyl Acetate	4.28	43	99899	58.845	ug/l 100
19) Methyl tert-butyl Ether	4.99	73	271864	53.989	ug/l 99
20) Methylene Chloride	4.50	84	96282	50.117	ug/l 99
21) trans-1,2-Dichloroethene	4.99	96	88263	50.809	ug/l 96
22) Diisopropyl ether	5.90	45	246562	53.709	ug/l 99
23) Vinyl Acetate	5.84	43	969517	268.518	ug/l 99
24) 1,1-Dichloroethane	5.80	63	158520	52.750	ug/l 98
25) 2-Butanone	6.79	43	244430	284.112	ug/l 98
26) 2,2-Dichloropropane	6.78	77	84675	33.491	ug/l 97
27) cis-1,2-Dichloroethene	6.78	96	106481	53.123	ug/l 95
28) Bromochloromethane	7.15	49	69397	51.865	ug/l 99
29) Tetrahydrofuran	7.17	42	164434	290.422	ug/l 99
30) Chloroform	7.33	83	168282	52.396	ug/l 99
31) Cyclohexane	7.61	56	126784	48.193	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	142039	51.930	ug/l 99
36) 1,1-Dichloropropene	7.75	75	121043	50.507	ug/l 98
37) Ethyl Acetate	6.88	43	105065	56.140	ug/l 99
38) Carbon Tetrachloride	7.73	117	121252	51.091	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	130481	50.563	ug/l	100
40) Benzene	8.00	78	380254	52.379	ug/l	97
41) Methacrylonitrile	7.13	41	46093	57.597	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	129204	52.196	ug/l	100
43) Isopropyl Acetate	8.13	43	173052	54.870	ug/l #	91
44) Trichloroethene	8.80	130	98118	51.356	ug/l	96
45) 1,2-Dichloropropane	9.08	63	94588	53.018	ug/l	99
46) Dibromomethane	9.17	93	66771	53.148	ug/l	98
47) Bromodichloromethane	9.37	83	135357	52.617	ug/l	99
48) Methyl methacrylate	9.17	41	79344	55.321	ug/l	99
49) 1,4-Dioxane	9.17	88	36389	1105.075	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	529712	284.222	ug/l	100
52) Toluene	10.12	92	245975	53.950	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	137589	50.382	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	148152	49.946	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	98134	54.706	ug/l	99
56) Ethyl methacrylate	10.40	69	135869	49.610	ug/l	99
57) 1,3-Dichloropropane	10.68	76	165132	54.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	271232	286.493	ug/l	99
59) 2-Hexanone	10.72	43	387271	259.554	ug/l	100
60) Dibromochloromethane	10.87	129	105791	52.852	ug/l	99
61) 1,2-Dibromoethane	10.98	107	100403	53.601	ug/l	100
64) Tetrachloroethene	10.60	164	79828	50.866	ug/l	99
65) Chlorobenzene	11.41	112	264353	50.880	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	97226	53.655	ug/l	98
67) Ethyl Benzene	11.48	91	460129	52.820	ug/l	98
68) m/p-Xylenes	11.60	106	359368	106.985	ug/l	100
69) o-Xylene	11.92	106	173647	54.179	ug/l	99
70) Styrene	11.94	104	294250	54.831	ug/l	100
71) Bromoform	12.10	173	71466	54.089	ug/l #	99
73) Isopropylbenzene	12.22	105	448588	52.187	ug/l	99
74) N-amyl acetate	12.05	43	149857	48.254	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	147165	52.659	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	174072	73.299	ug/l #	100
77) Bromobenzene	12.50	156	110561	50.982	ug/l	99
78) n-propylbenzene	12.57	91	507546	51.747	ug/l	100
79) 2-Chlorotoluene	12.65	91	305281	51.824	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	376900	52.998	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	41009	47.098	ug/l	99
82) 4-Chlorotoluene	12.75	91	316006	51.915	ug/l	99
83) tert-Butylbenzene	12.97	119	312966	51.911	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	376553	53.640	ug/l	99
85) sec-Butylbenzene	13.15	105	418297	53.008	ug/l	99
86) p-Isopropyltoluene	13.26	119	375976	53.469	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	200325	50.648	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	198456	49.018	ug/l	99
89) n-Butylbenzene	13.59	91	294835	50.206	ug/l	99
90) Hexachloroethane	13.85	117	68581	53.281	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	198286	52.074	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	25529	56.268	ug/l	94

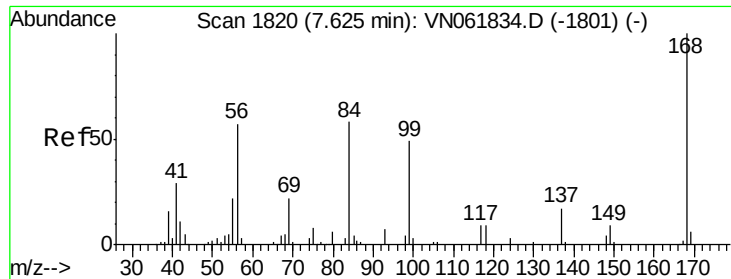
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	87043	48.444	ug/l	98
94) Hexachlorobutadiene	14.98	225	34739	49.089	ug/l	97
95) Naphthalene	15.10	128	263450	44.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	89835	50.484	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

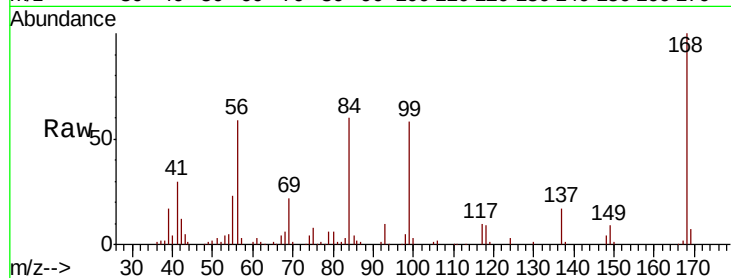
VSTDCCC050EC

Tot Ion:168 Resp: 148850

Ion Ratio Lower Upper

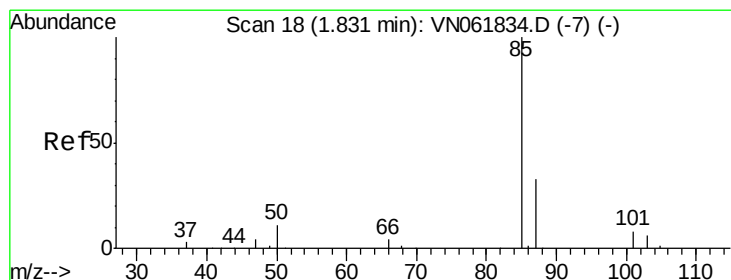
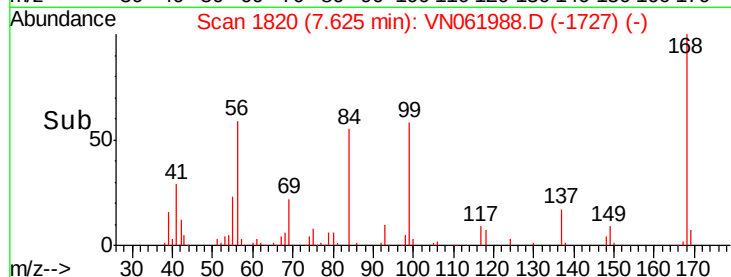
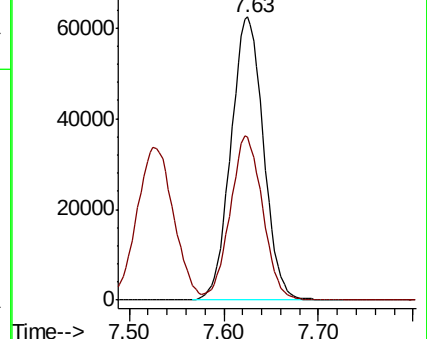
168 100

99 57.6 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.453 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061988.D

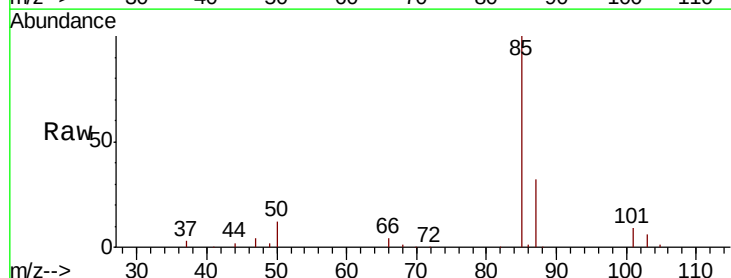
Acq: 20 Jun 2020 9:41

Tgt Ion: 85 Resp: 95773

Ion Ratio Lower Upper

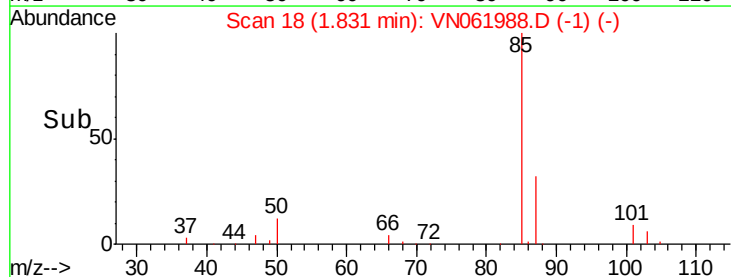
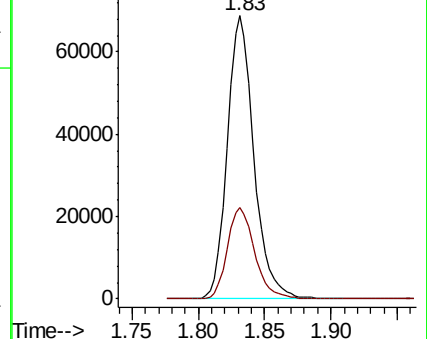
85 100

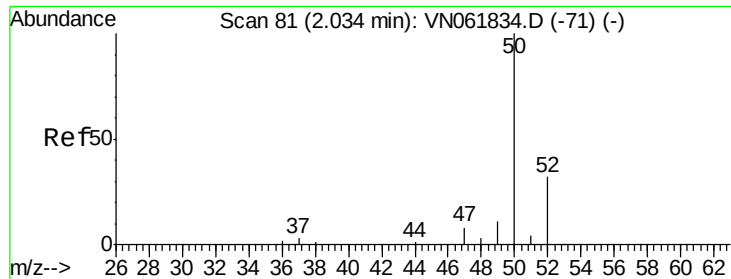
87 32.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

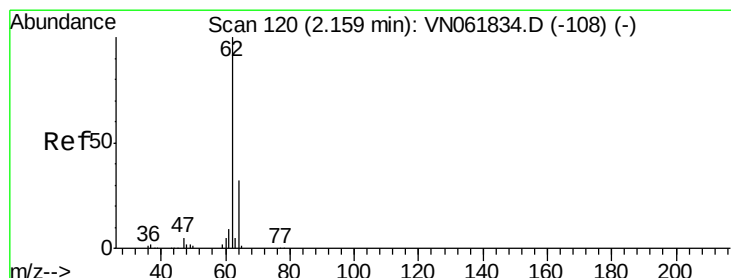
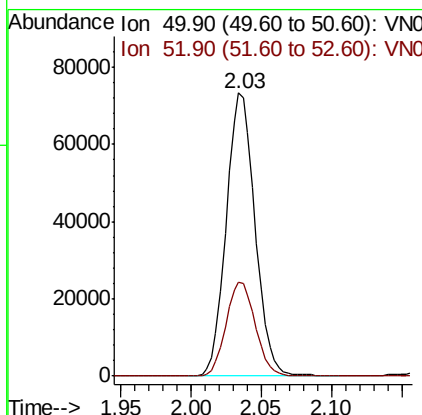
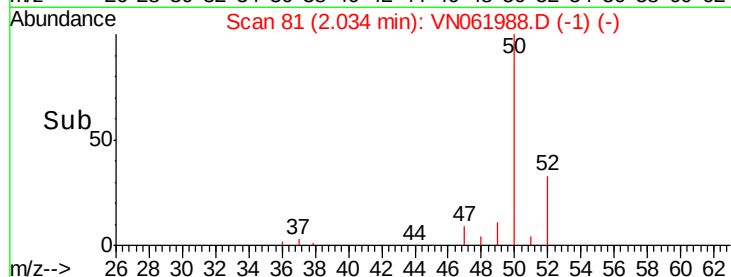
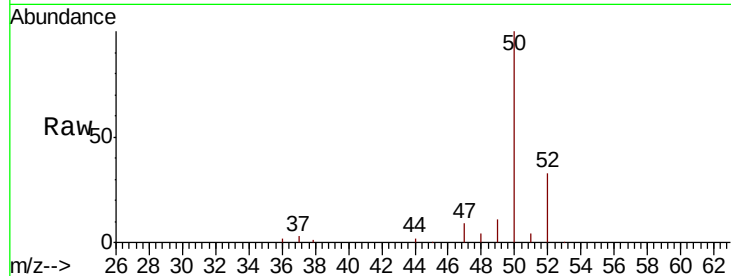




#3
Chloromethane
Concen: 50.727 ug/l
RT: 2.03 min Scan# 81
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

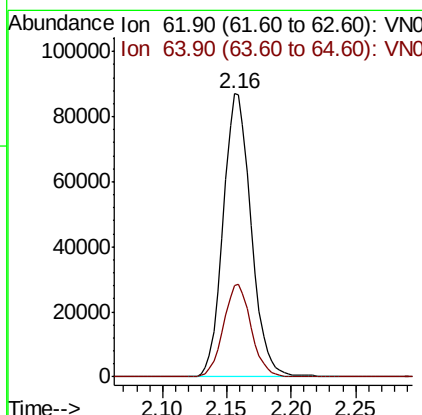
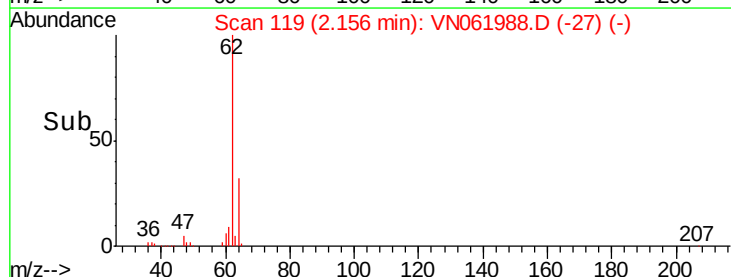
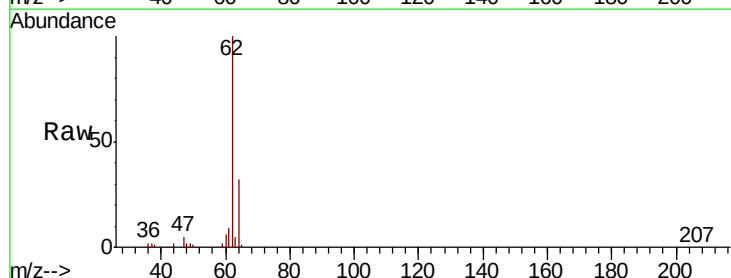
Instrument :
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VSTDCCC050EC

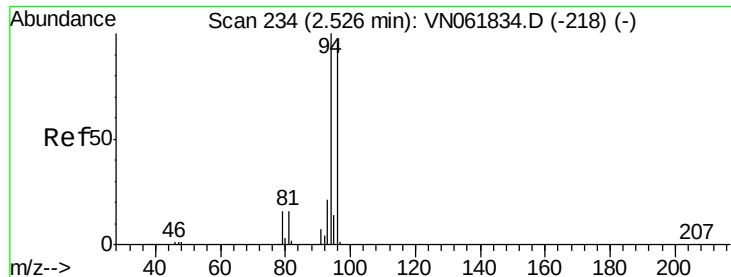
Tot Ion: 50 Resp: 104809
Ion Ratio Lower Upper
50 100
52 33.4 26.0 39.0



#4
Vinyl Chloride
Concen: 53.280 ug/l
RT: 2.16 min Scan# 119
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 62 Resp: 131233
Ion Ratio Lower Upper
62 100
64 32.2 25.5 38.3





#5

Bromomethane

Concen: 45.605 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.01 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

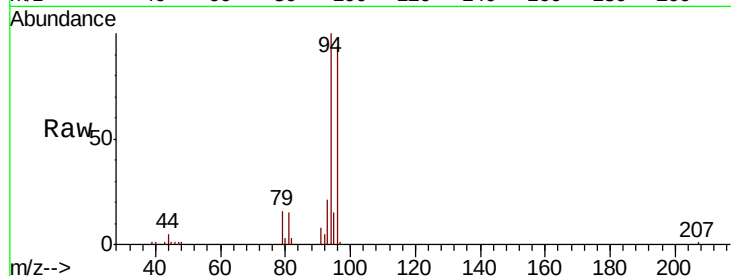
VSTDCCC050EC

Tot Ion: 94 Resp: 86259

Ion Ratio Lower Upper

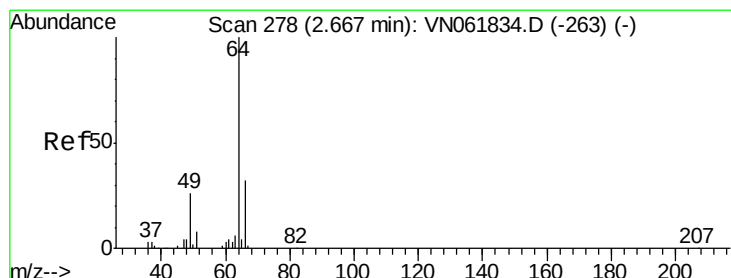
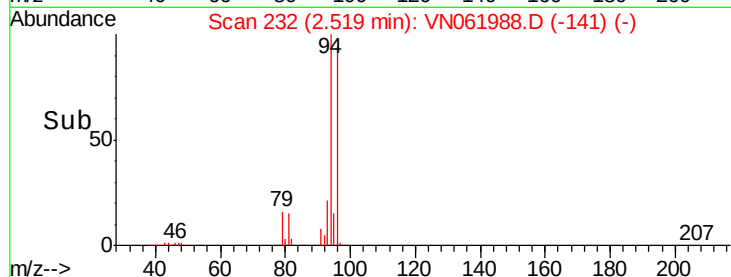
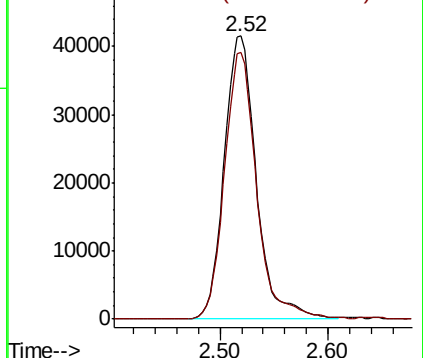
94 100

96 94.4 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 53.359 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN061988.D

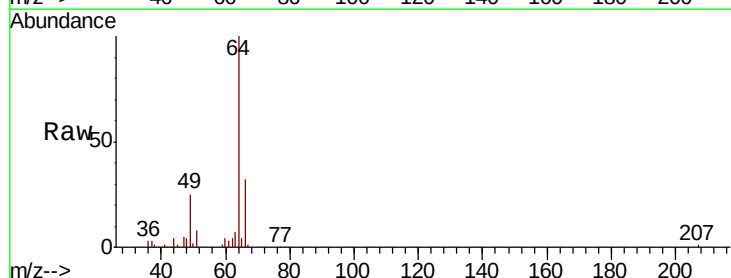
Acq: 20 Jun 2020 9:41

Tgt Ion: 64 Resp: 88947

Ion Ratio Lower Upper

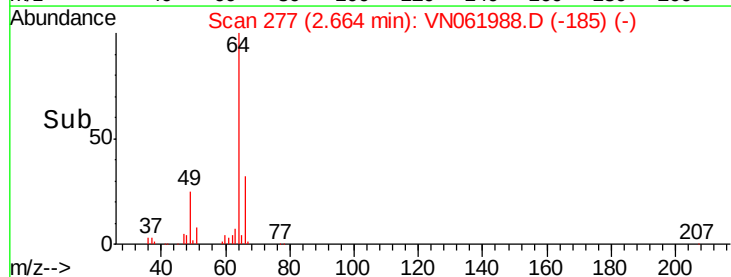
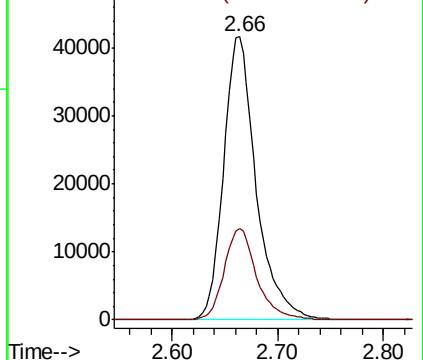
64 100

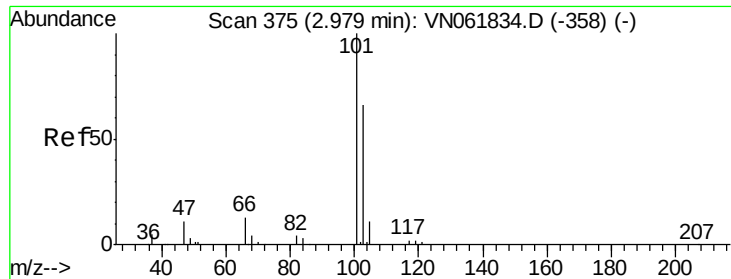
66 32.5 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



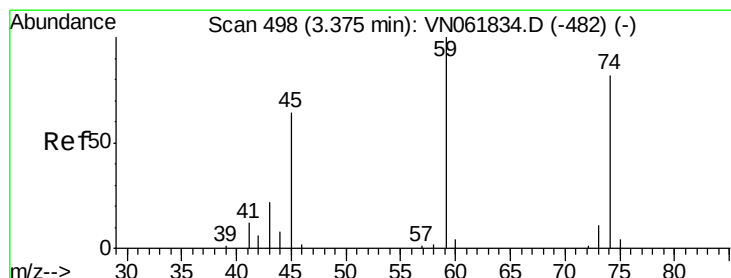
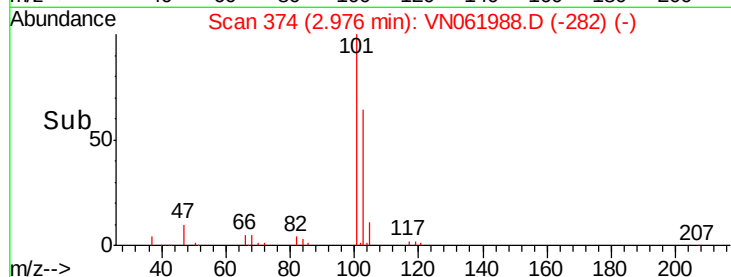
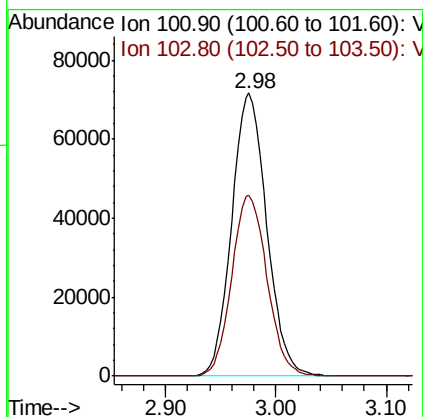
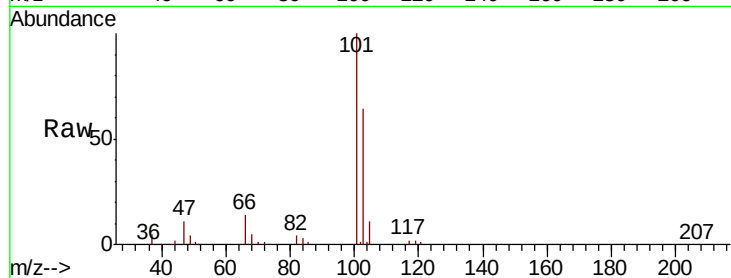


#7

Trichlorofluoromethane
Concen: 53.740 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

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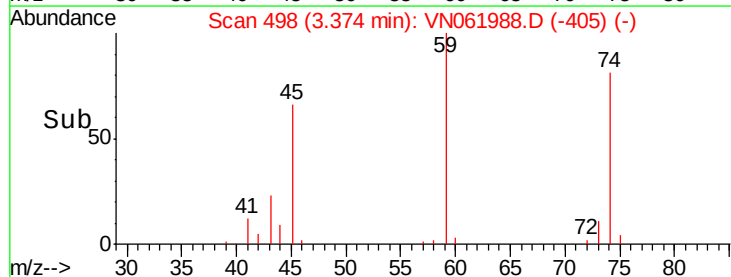
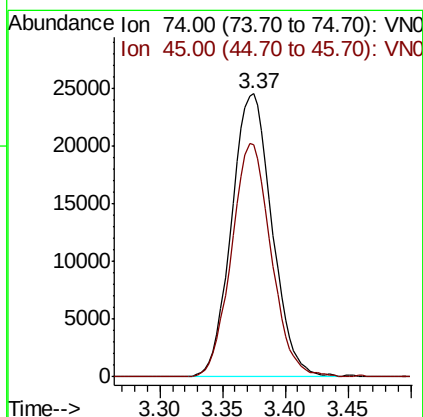
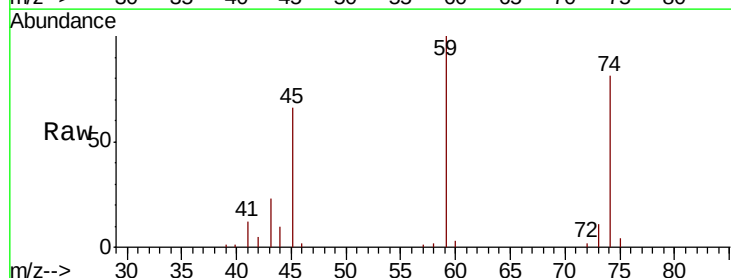
Tot Ion:101 Resp: 158110
Ion Ratio Lower Upper
101 100
103 64.0 52.8 79.2

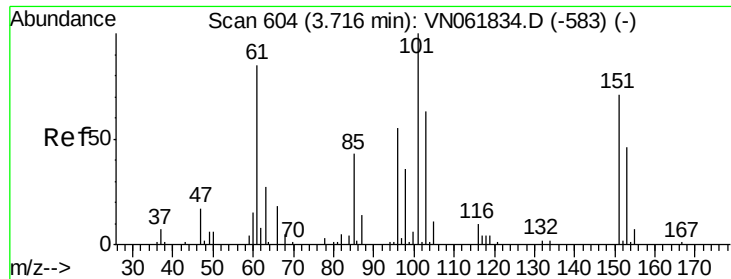


#8

Diethyl Ether
Concen: 55.619 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 74 Resp: 55012
Ion Ratio Lower Upper
74 100
45 80.5 39.1 117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.193 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

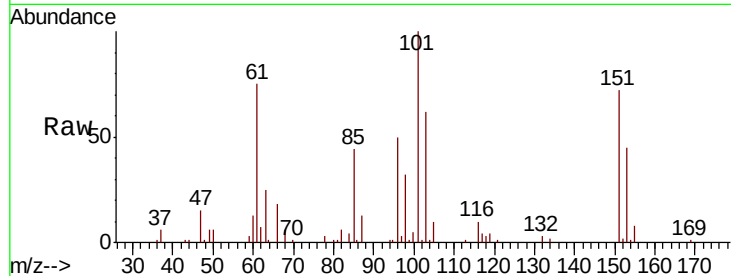
Tot Ion:101 Resp: 78779

Ion Ratio Lower Upper

101 100

85 43.9 35.0 52.6

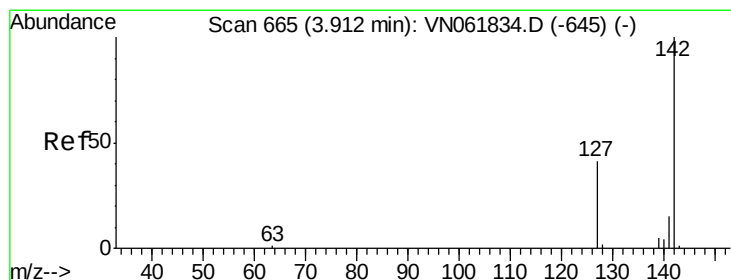
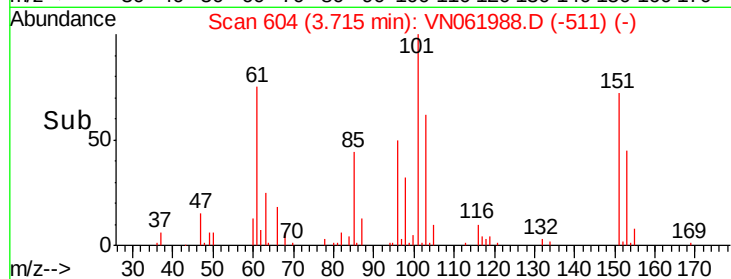
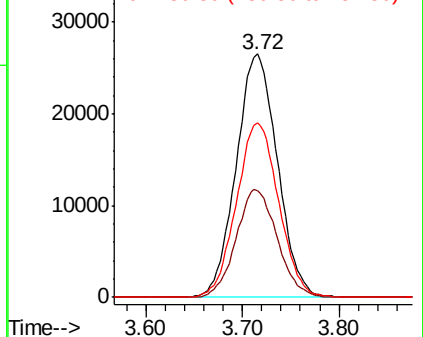
151 73.1 59.2 88.8



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: 55.086 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

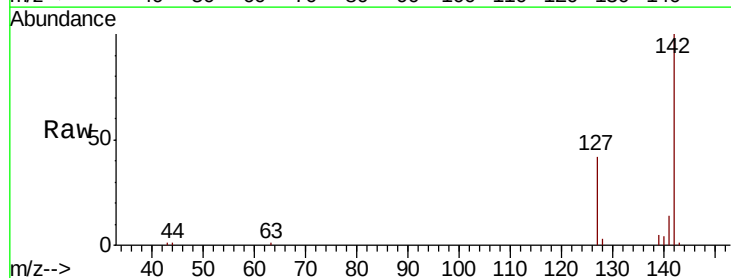
Tgt Ion:142 Resp: 101450

Ion Ratio Lower Upper

142 100

127 42.8 33.4 50.0

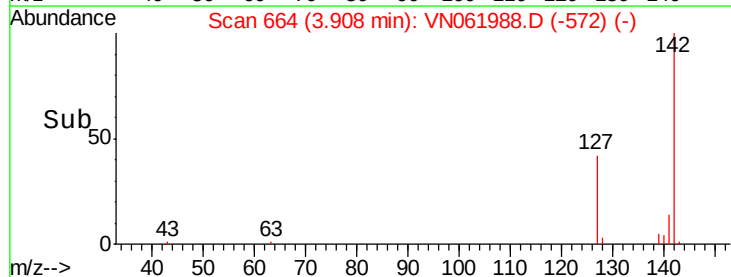
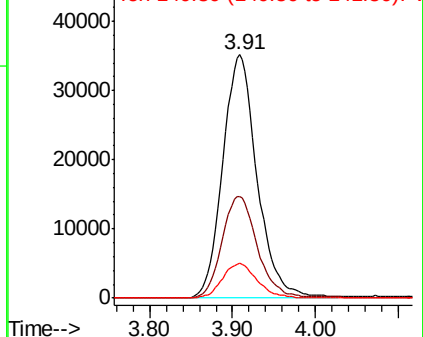
141 14.3 11.3 16.9

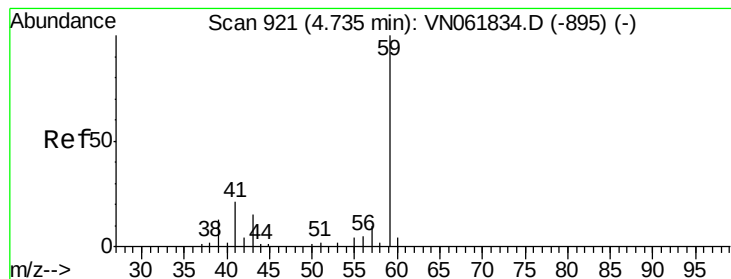


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



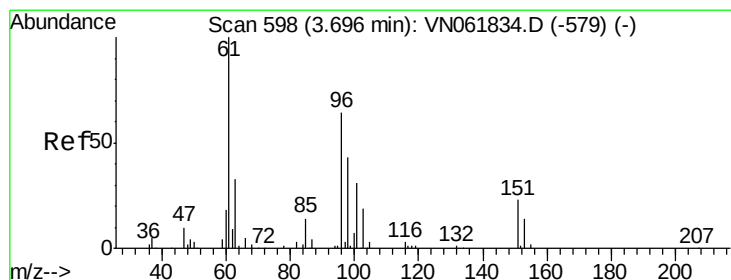
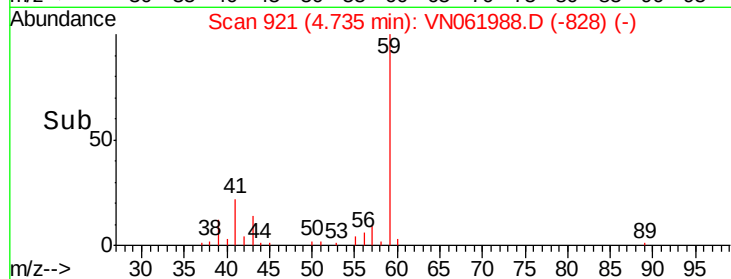
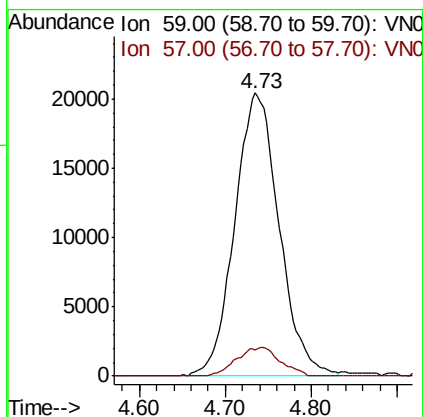
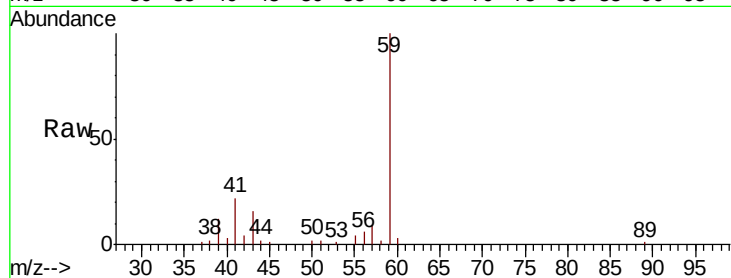


#11

Tert butyl alcohol
 Concen: 265.516 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

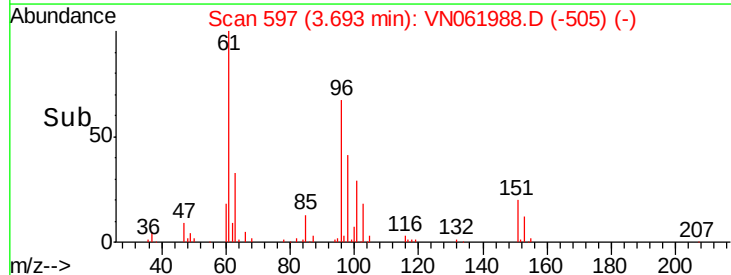
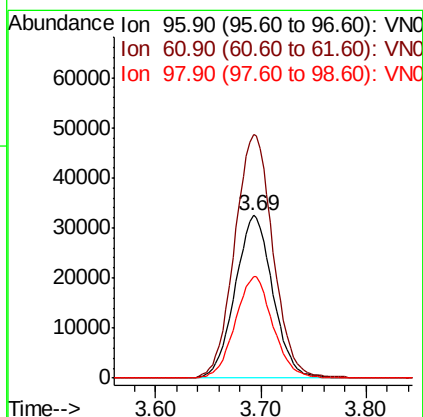
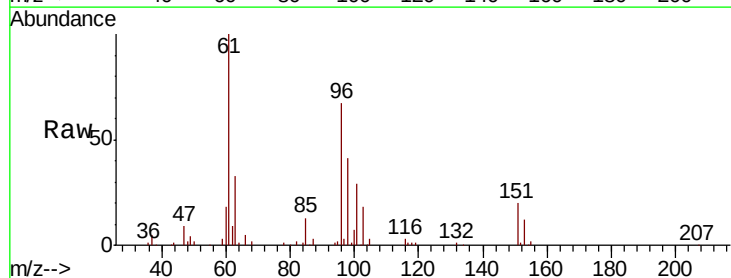
Tot Ion: 59 Resp: 73348
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.7 11.5

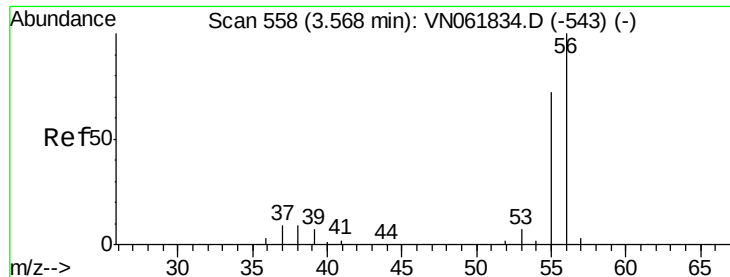


#12

1,1-Dichloroethene
 Concen: 53.283 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion: 96 Resp: 80584
 Ion Ratio Lower Upper
 96 100
 61 149.9 124.3 186.5
 98 62.2 53.1 79.7





#13

Acrolein

Concen: 281.099 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

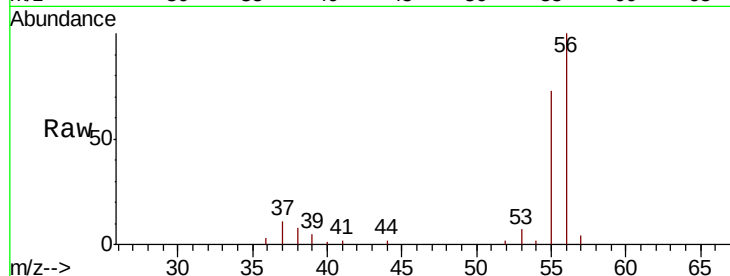
VSTDCCC050EC

Tot Ion: 56 Resp: 46411

Ion Ratio Lower Upper

56 100

55 71.6 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VN061834.D (-543) (-)

Ion 55.00 (54.70 to 55.70): VN061834.D (-543) (-)

20000

15000

10000

5000

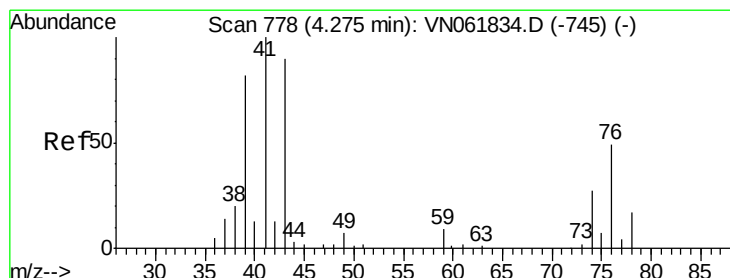
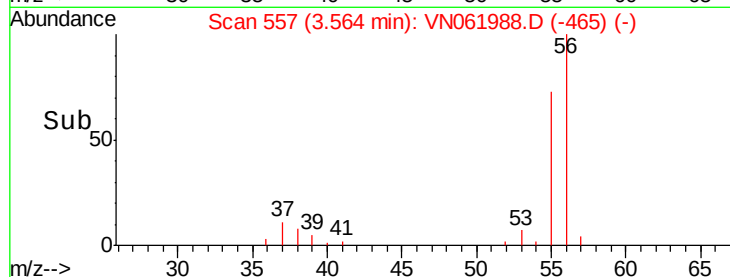
0

3.50

3.56

3.60

Time-->



#14

Allyl chloride

Concen: 51.571 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

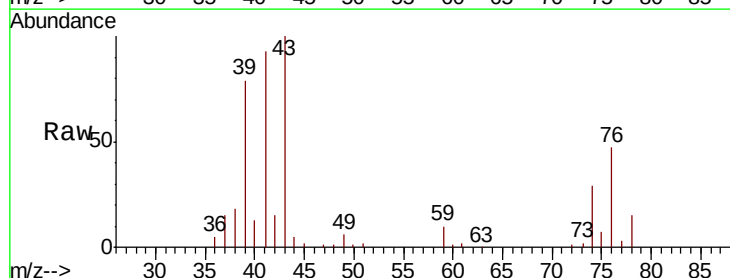
Tgt Ion: 41 Resp: 103517

Ion Ratio Lower Upper

41 100

39 74.6 60.2 90.2

76 44.1 36.3 54.5



Abundance Ion 41.00 (40.70 to 41.70): VN061834.D (-745) (-)

Ion 39.00 (38.70 to 39.70): VN061834.D (-745) (-)

Ion 75.90 (75.60 to 76.60): VN061834.D (-745) (-)

40000

30000

20000

10000

0

4.10

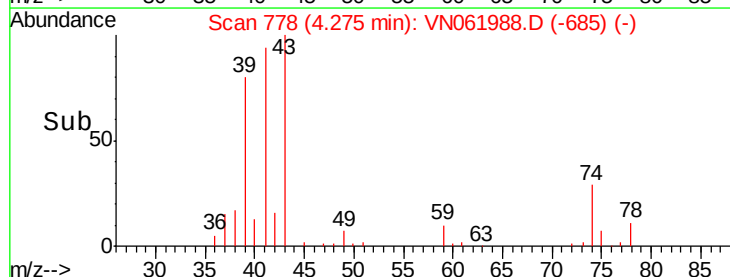
4.20

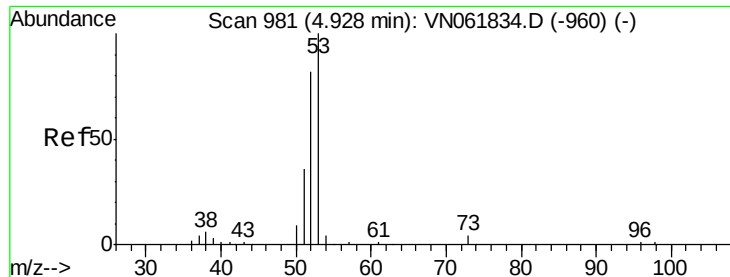
4.27

4.30

4.40

Time-->





#15

Acrylonitrile

Concen: 293.727 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

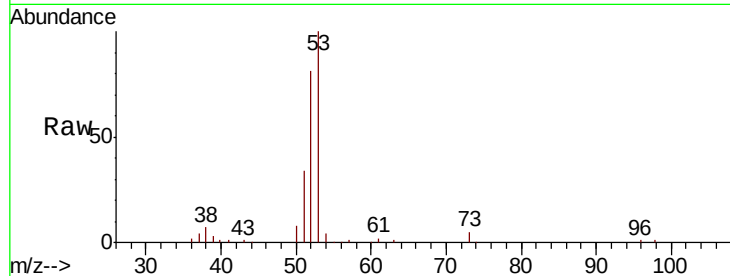
Tot Ion: 53 Resp: 201055

Ion Ratio Lower Upper

53 100

52 82.3 65.2 97.8

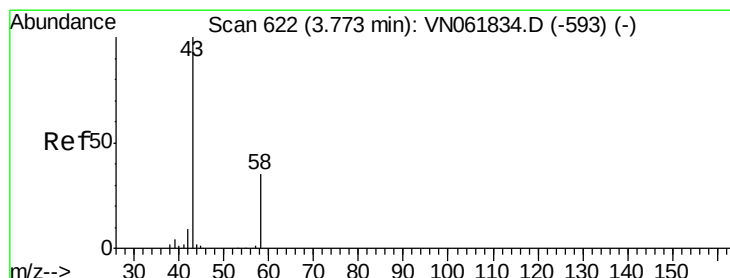
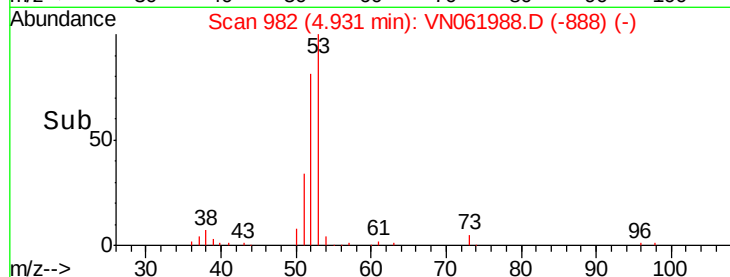
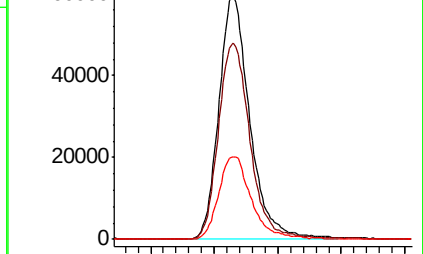
51 35.8 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN061834.D (-960) (-)

Ion 52.00 (51.70 to 52.70): VN061834.D (-960) (-)

Ion 51.00 (50.70 to 51.70): VN061834.D (-960) (-)



#16

Acetone

Concen: 269.159 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061988.D

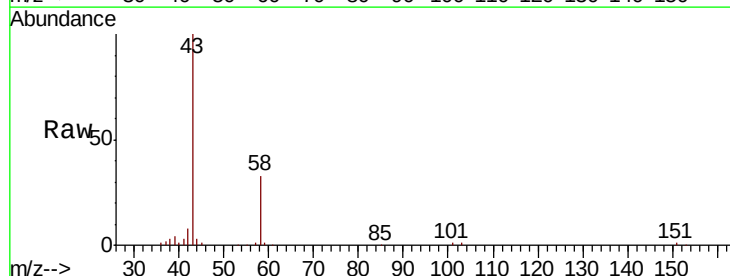
Acq: 20 Jun 2020 9:41

Tgt Ion: 43 Resp: 158715

Ion Ratio Lower Upper

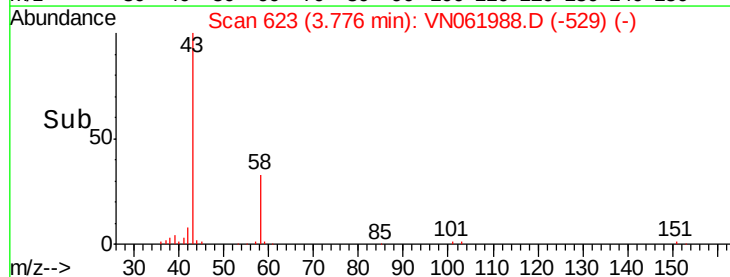
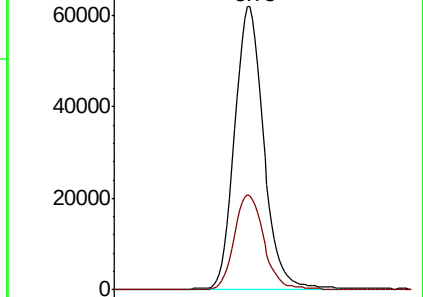
43 100

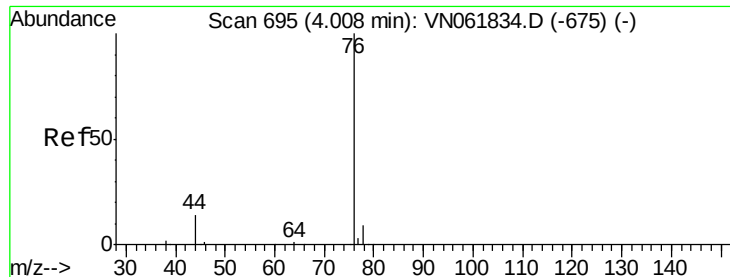
58 33.4 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-593) (-)





#17

Carbon Disulfide

Concen: 49.150 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

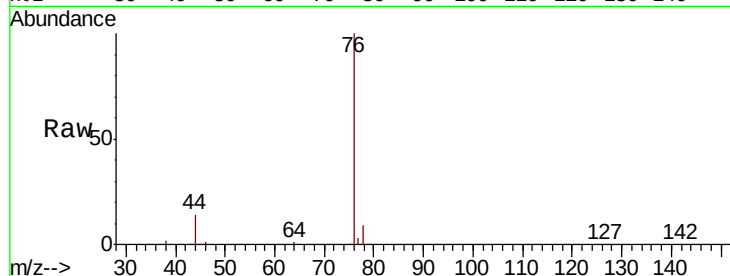
VSTDCCC050EC

Tot Ion: 76 Resp: 217499

Ion Ratio Lower Upper

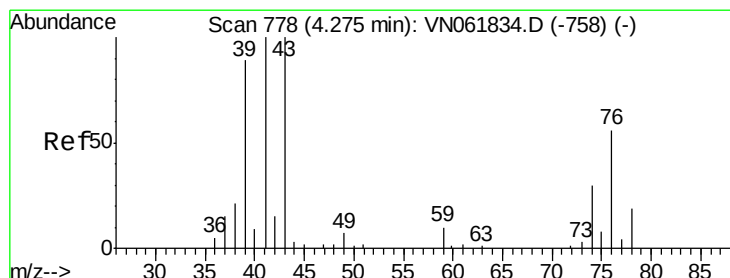
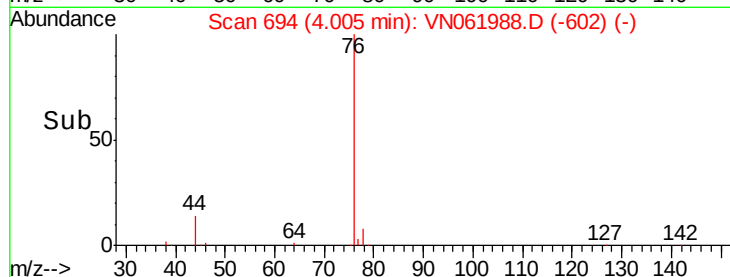
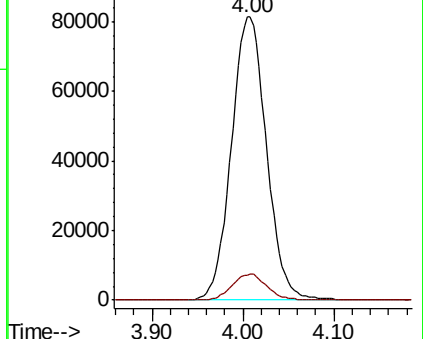
76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN061988.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061988.D (-675) (-)



#18

Methyl Acetate

Concen: 58.845 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061988.D

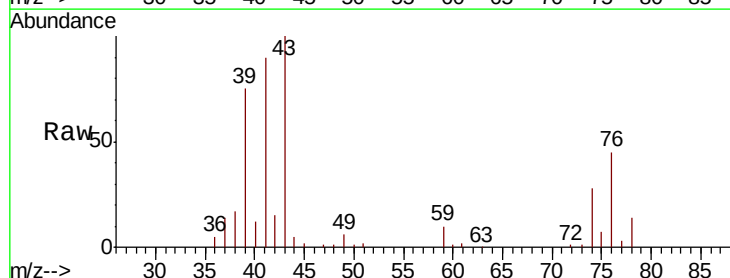
Acq: 20 Jun 2020 9:41

Tgt Ion: 43 Resp: 99899

Ion Ratio Lower Upper

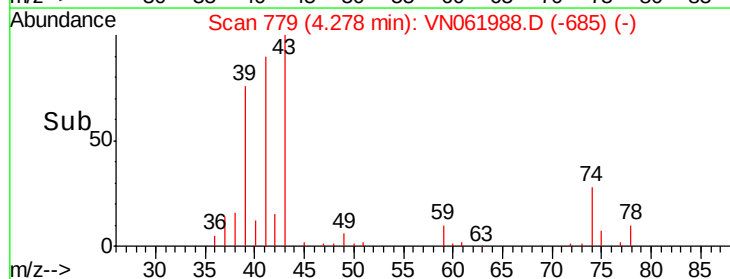
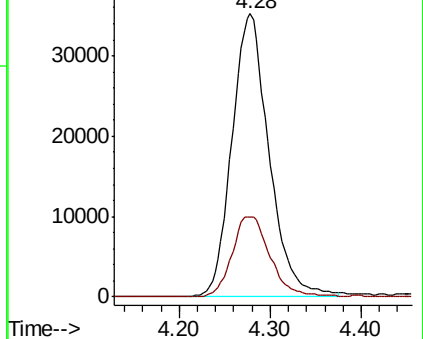
43 100

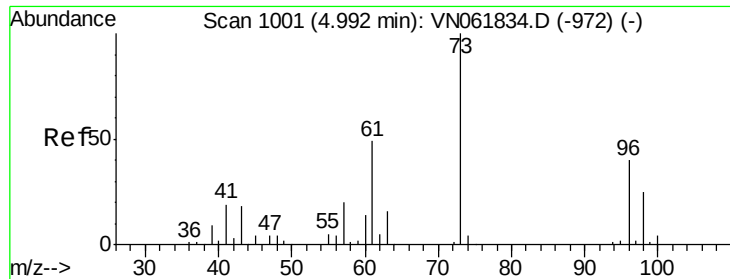
74 28.9 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN061988.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN061988.D (-685) (-)

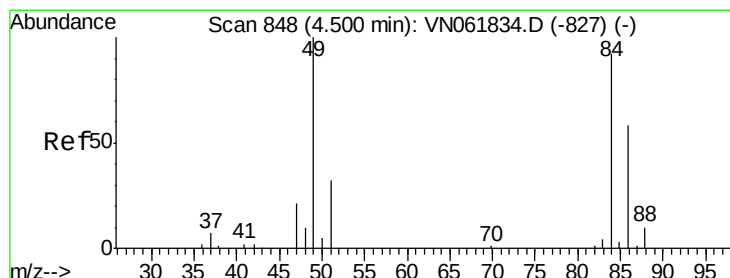
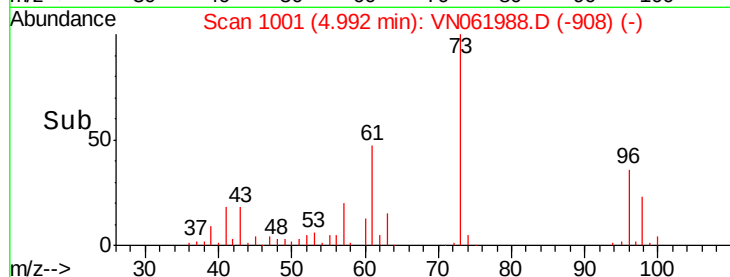
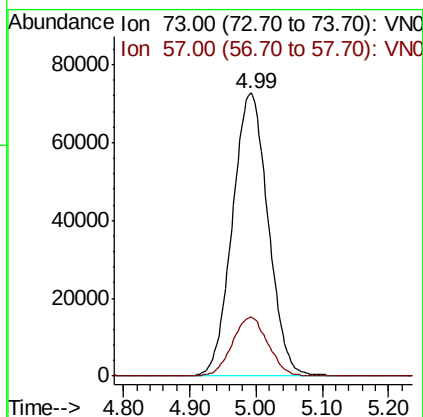
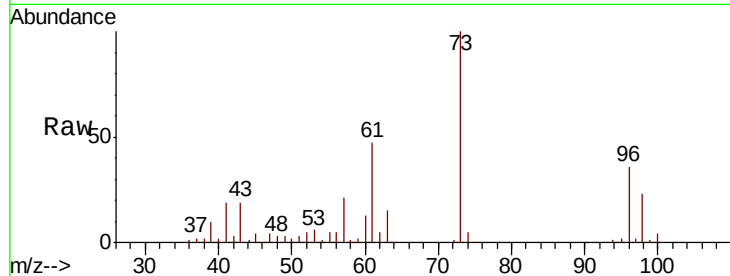




#19
Methyl tert-butyl Ether
Concen: 53.989 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

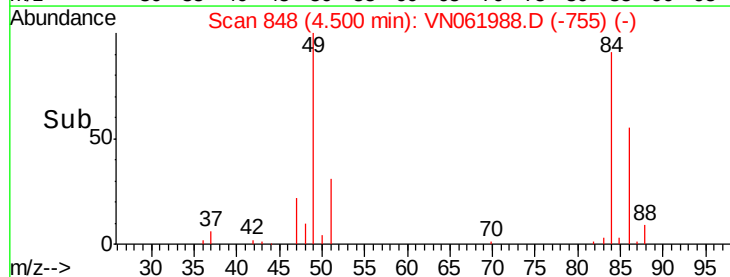
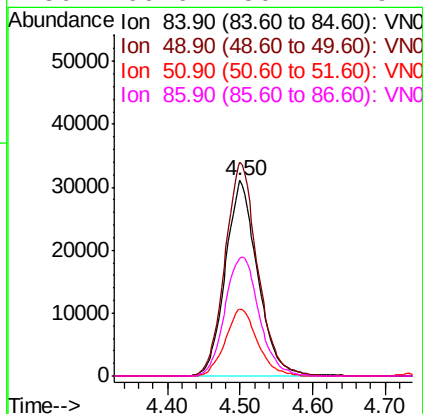
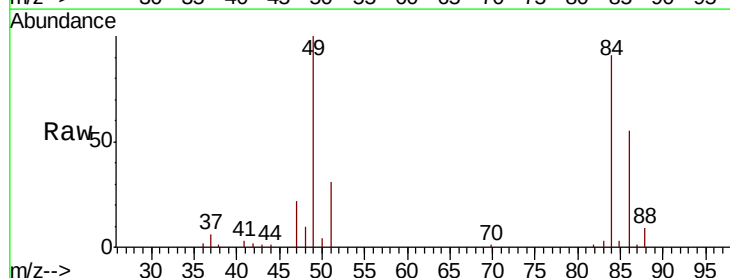
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

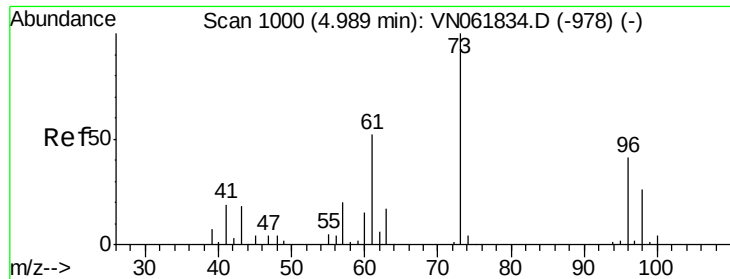
Tot Ion: 73 Resp: 271864
Ion Ratio Lower Upper
73 100
57 20.8 16.2 24.4



#20
Methylene Chloride
Concen: 50.117 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 84 Resp: 96282
Ion Ratio Lower Upper
84 100
49 109.3 87.0 130.4
51 34.2 27.8 41.6
86 60.6 50.2 75.2

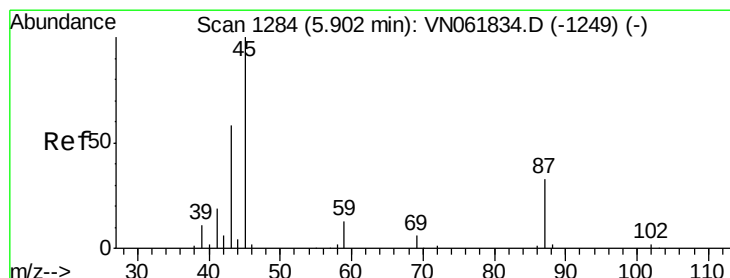
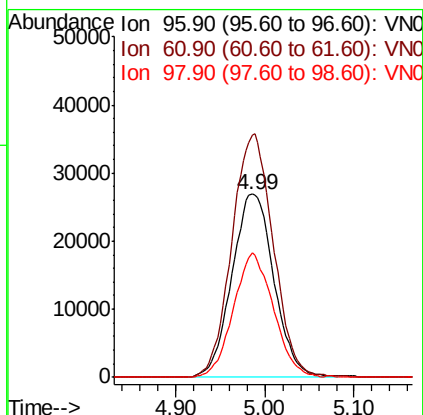
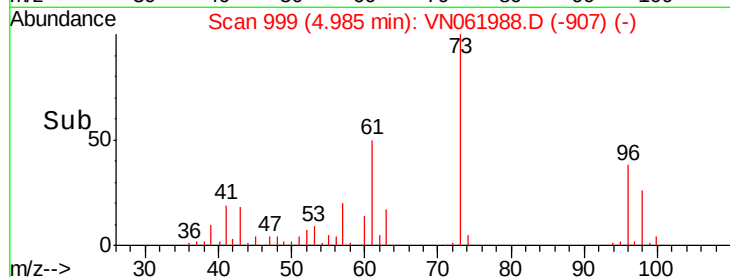
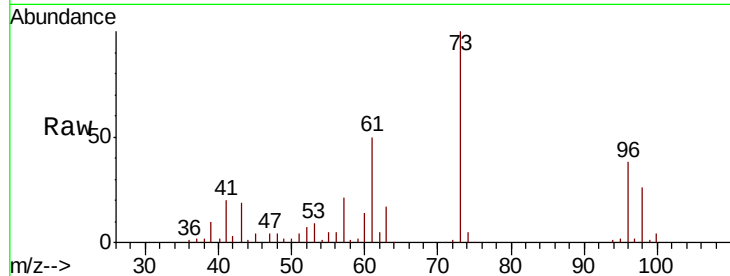




#21
trans-1,2-Dichloroethene
Concen: 50.809 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

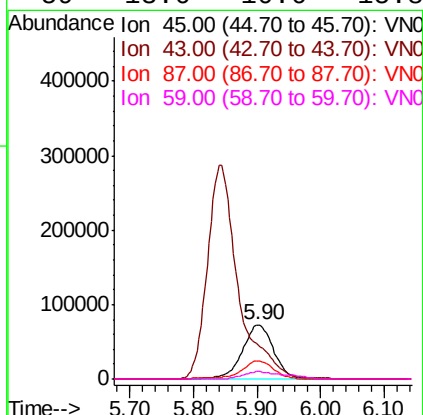
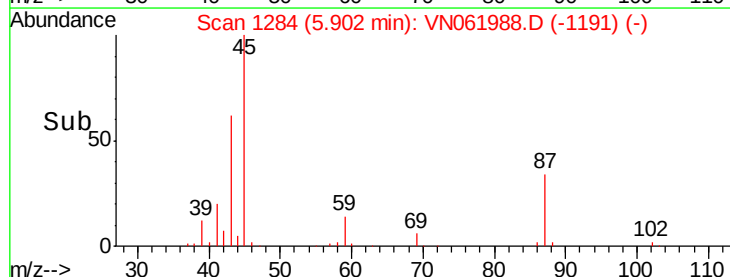
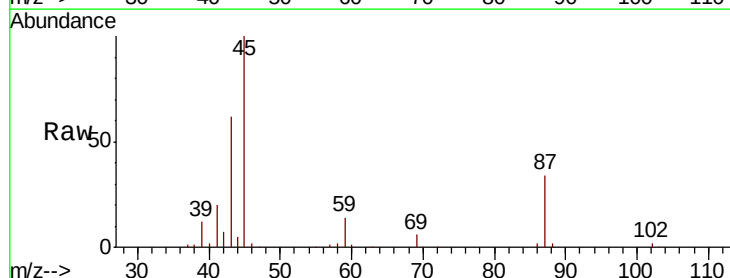
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

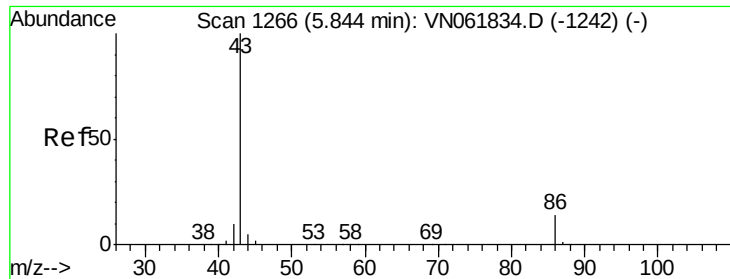
Tot Ion: 96 Resp: 88263
Ion Ratio Lower Upper
96 100
61 132.1 102.2 153.4
98 67.7 51.2 76.8



#22
Diisopropyl ether
Concen: 53.709 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 45 Resp: 246562
Ion Ratio Lower Upper
45 100
43 61.4 49.4 74.2
87 33.5 27.4 41.0
59 13.6 10.6 15.8





#23

Vinyl Acetate

Concen: 268.518 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

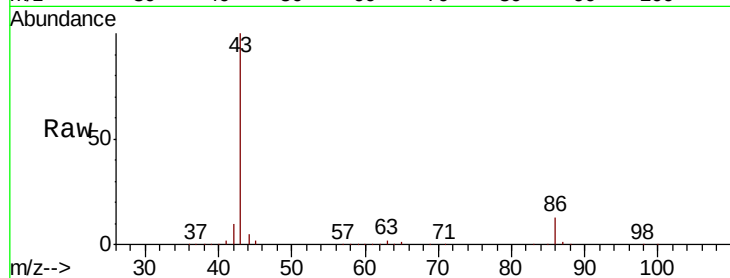
VSTDCCC050EC

Tot Ion: 43 Resp: 969517

Ion Ratio Lower Upper

43 100

86 13.1 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

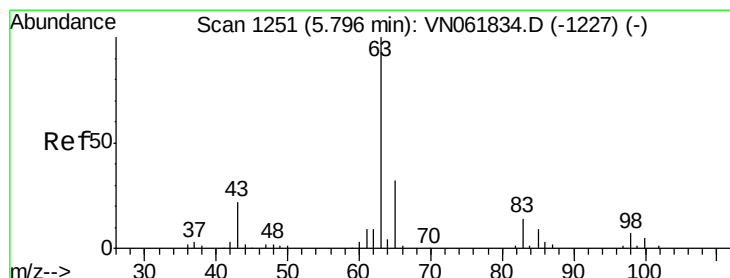
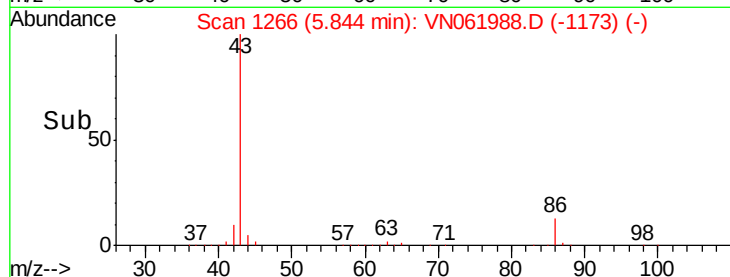
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.750 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

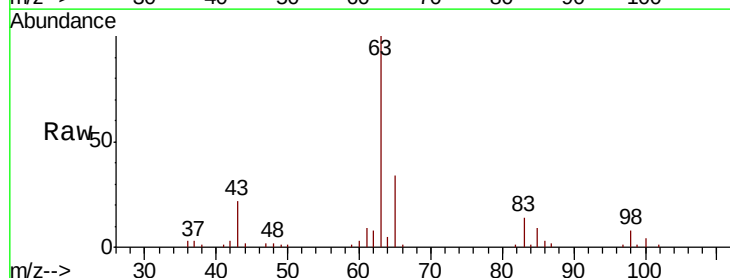
Tgt Ion: 63 Resp: 158520

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 4.4 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

60000

50000

40000

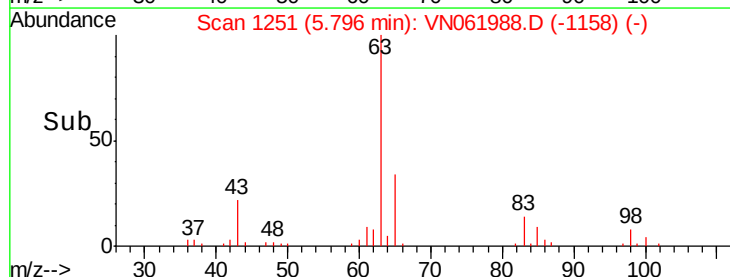
30000

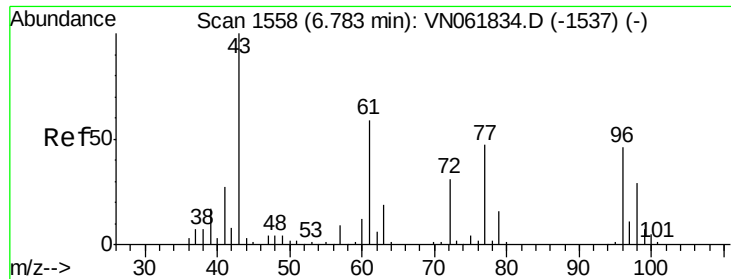
20000

10000

0

Time-->

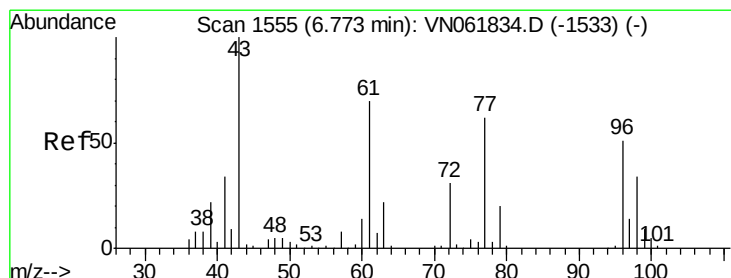
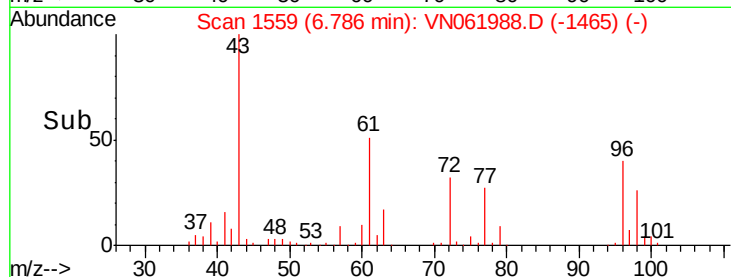
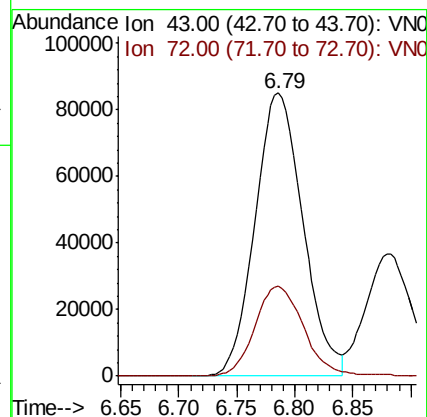
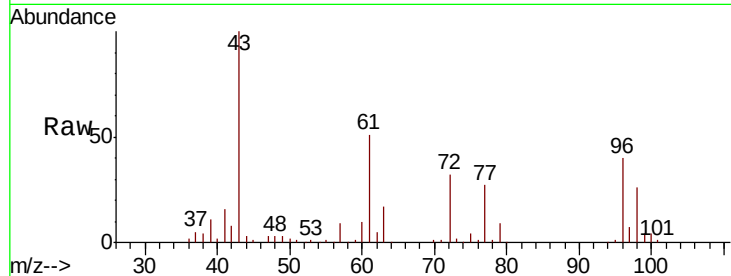




#25
2-Butanone
Concen: 284.112 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

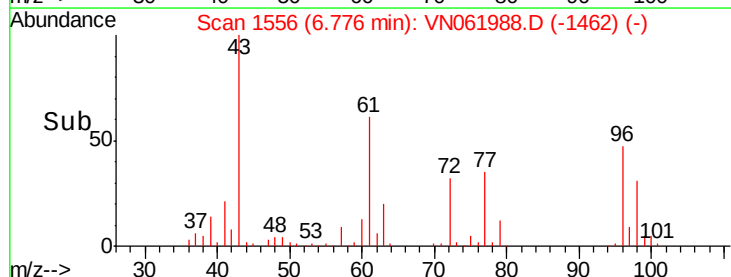
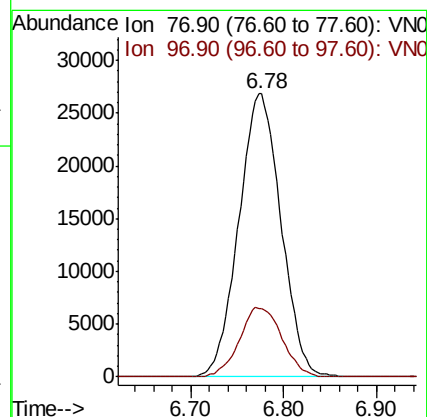
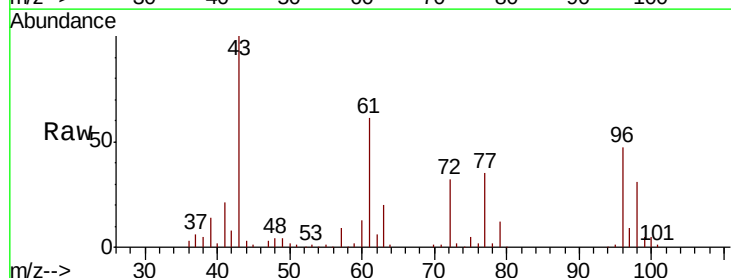
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

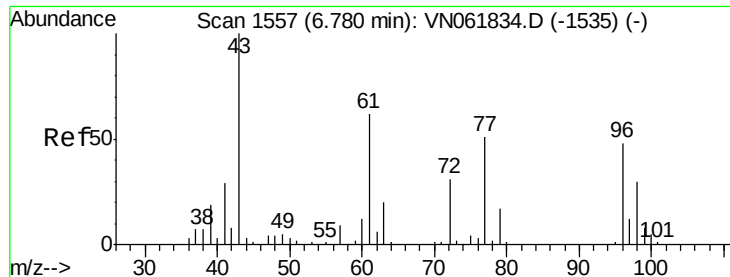
Tot Ion: 43 Resp: 244430
Ion Ratio Lower Upper
43 100
72 31.8 24.6 37.0



#26
2,2-Dichloropropane
Concen: 33.491 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 77 Resp: 84675
Ion Ratio Lower Upper
77 100
97 24.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 53.123 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

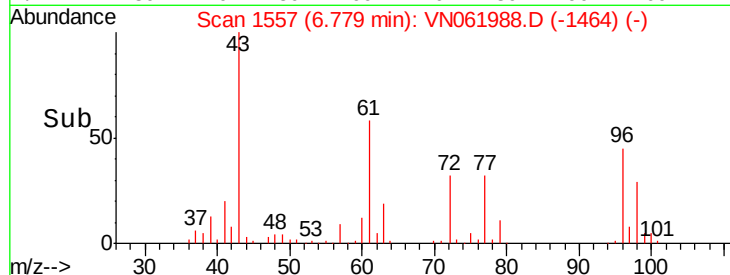
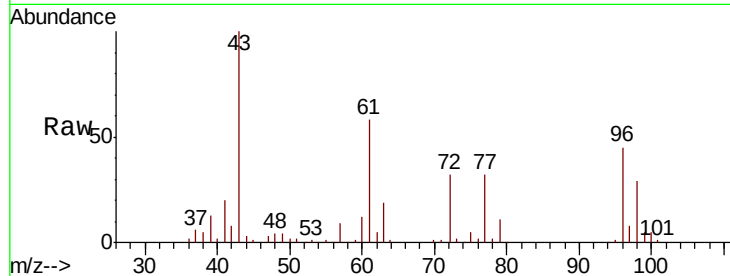
Tot Ion: 96 Resp: 106481

Ion Ratio Lower Upper

96 100

61 125.5 0.0 265.6

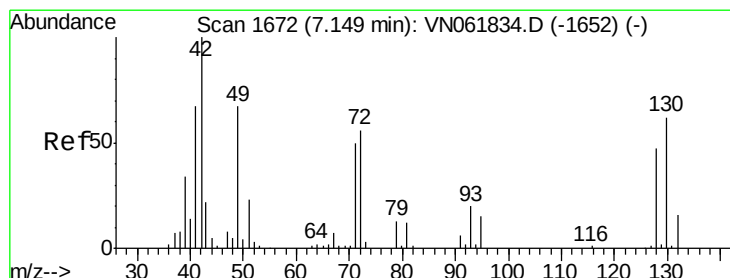
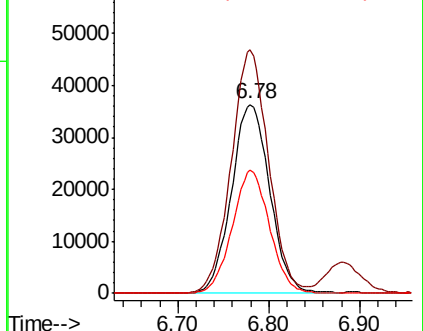
98 63.3 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 51.865 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

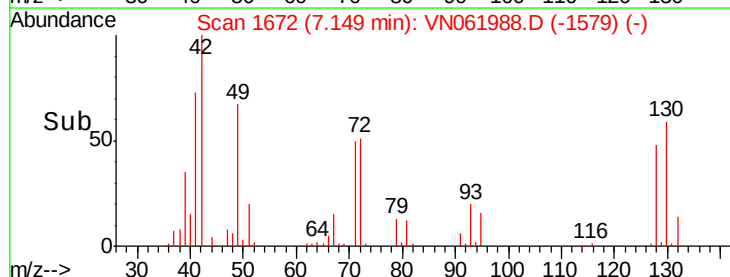
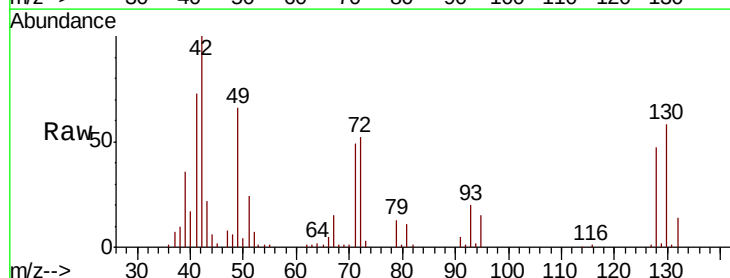
Tgt Ion: 49 Resp: 69397

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.0

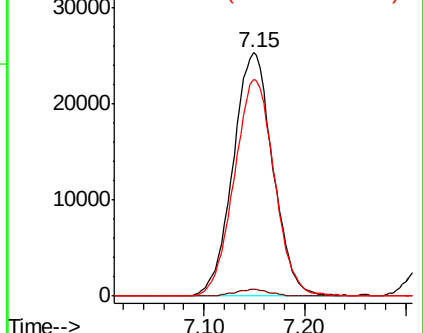
130 89.5 72.2 108.2

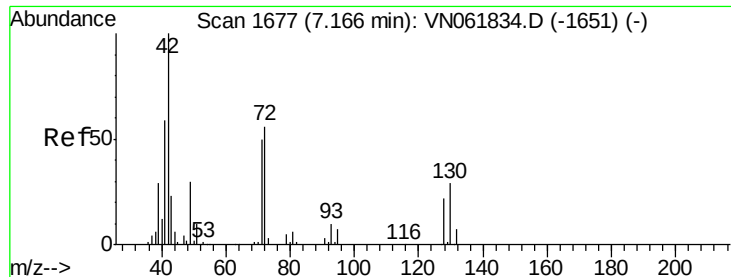


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

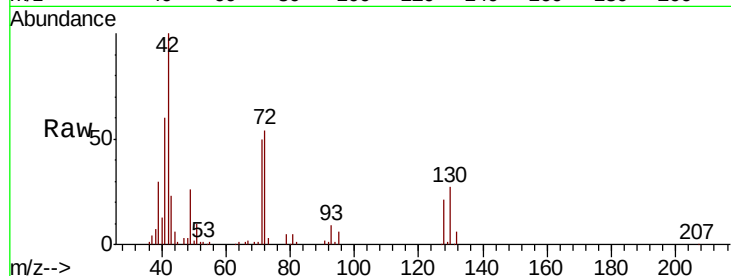




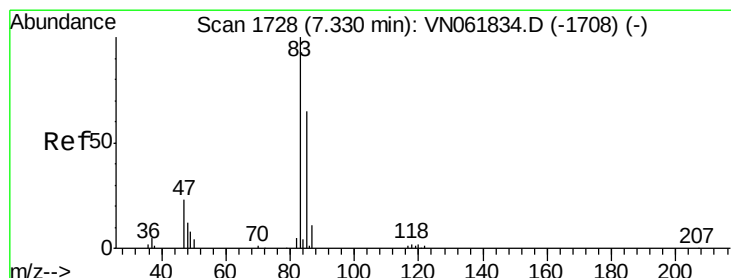
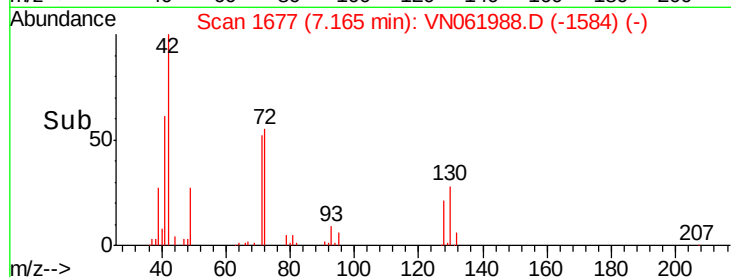
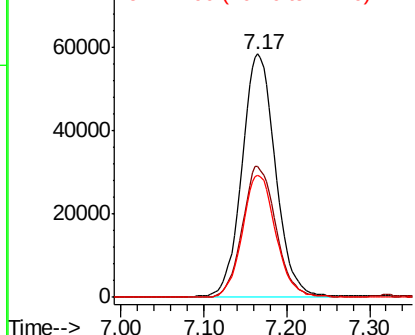
#29
Tetrahydrofuran
Concen: 290.422 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 164434
Ion Ratio Lower Upper
42 100
72 53.5 44.0 66.0
71 49.8 40.0 60.0

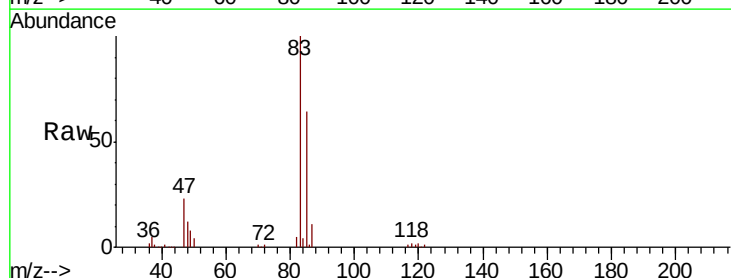


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

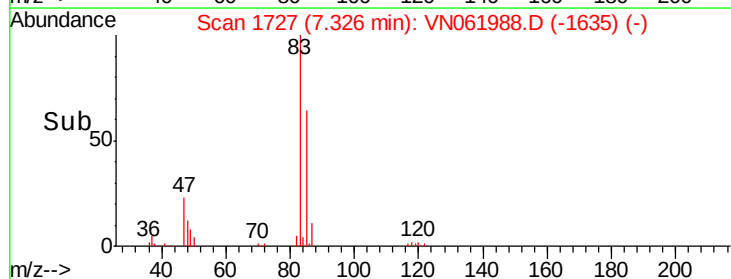
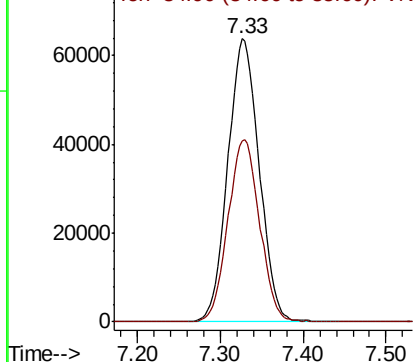


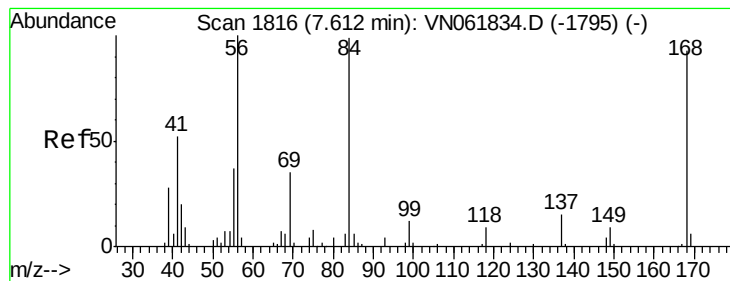
#30
Chloroform
Concen: 52.396 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 83 Resp: 168282
Ion Ratio Lower Upper
83 100
85 64.1 52.0 78.0



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





#31

Cyclohexane

Concen: 48.193 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

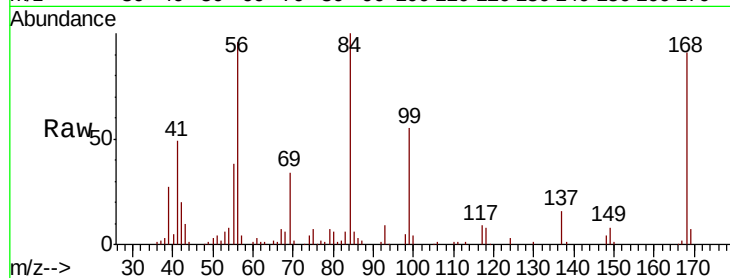
Tot Ion: 56 Resp: 126784

Ion Ratio Lower Upper

56 100

69 35.4 27.7 41.5

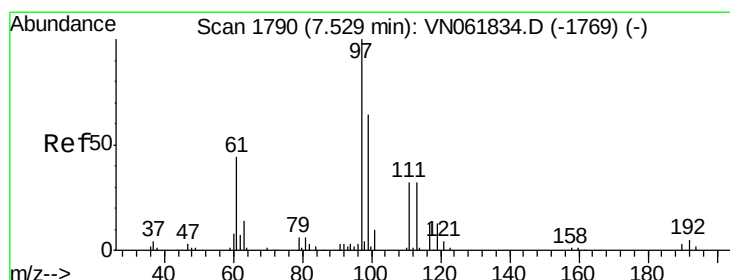
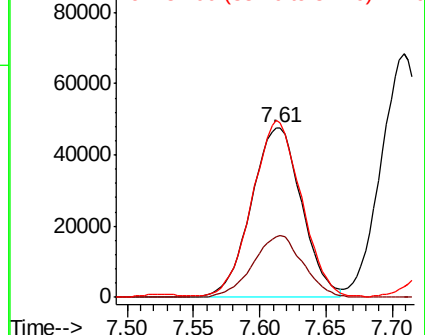
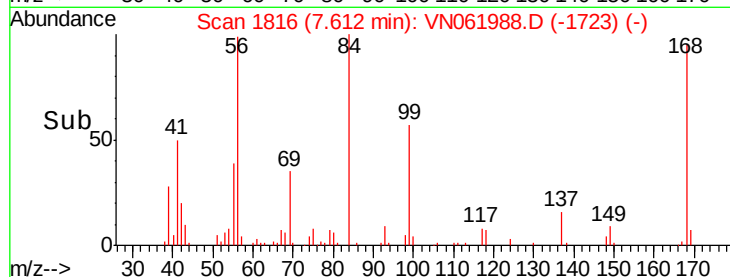
84 103.5 79.1 118.7



Abundance Ion 56.00 (55.70 to 56.70): VN061988.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061988.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061988.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 51.930 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

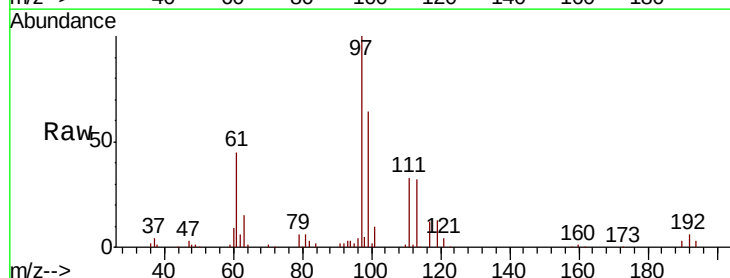
Tgt Ion: 97 Resp: 142039

Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

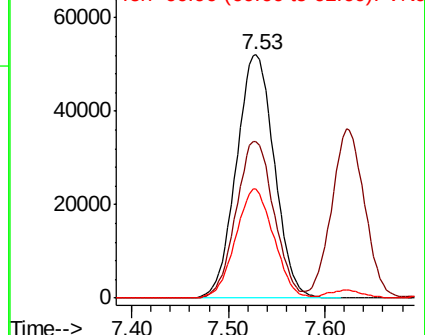
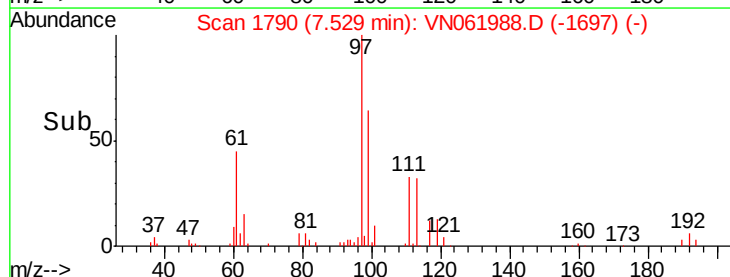
61 45.0 35.1 52.7

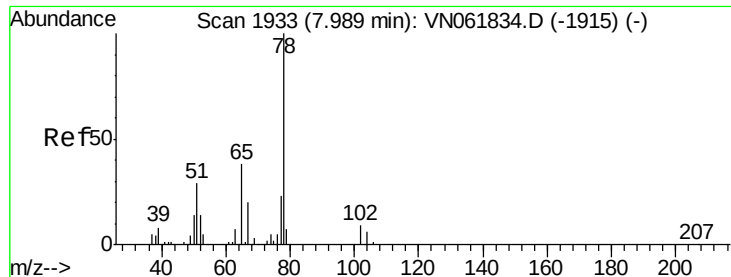


Abundance Ion 96.90 (96.60 to 97.60): VN061988.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061988.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061988.D (-1697) (-)

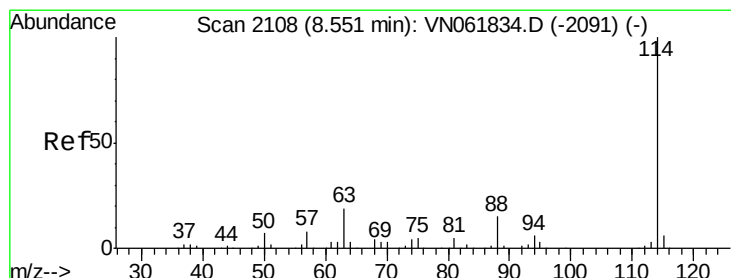
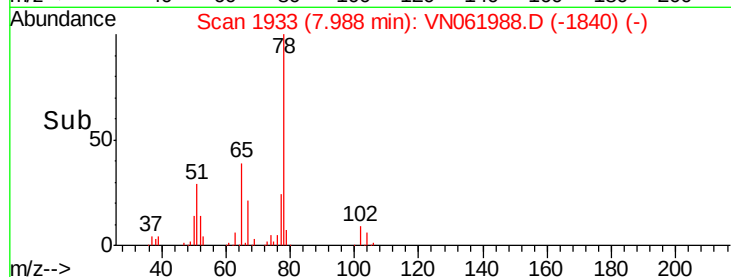
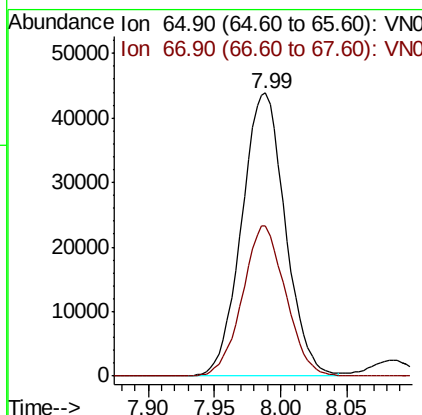
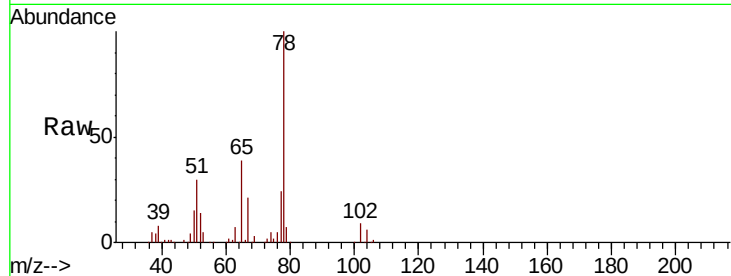




#33
 1,2-Dichloroethane-d4
 Concen: 50.205 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

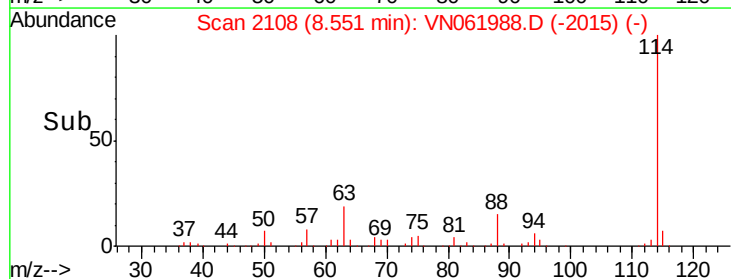
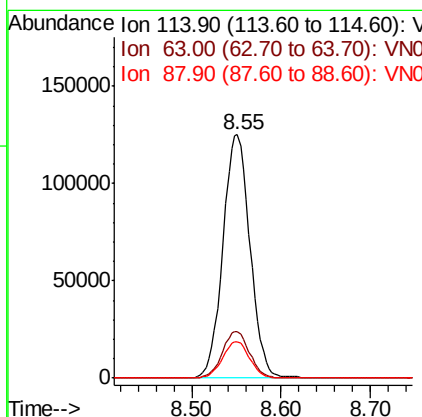
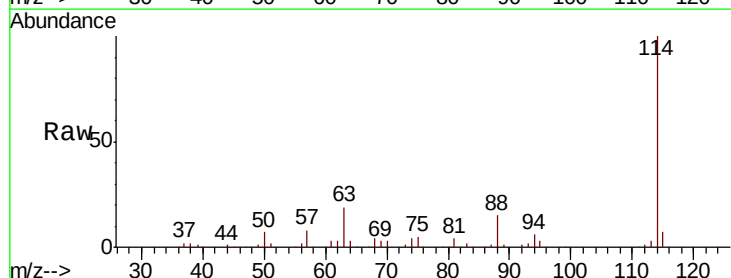
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

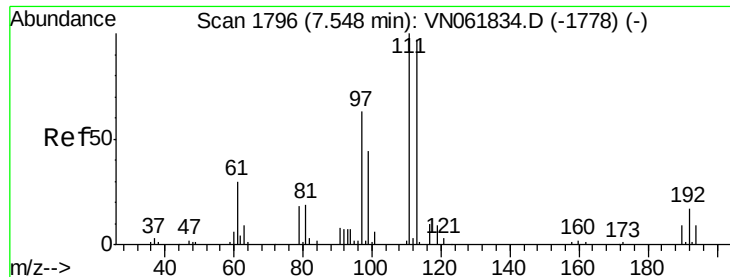
Tot Ion: 65 Resp: 100224
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion: 114 Resp: 262747
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.6
 88 15.1 0.0 31.0

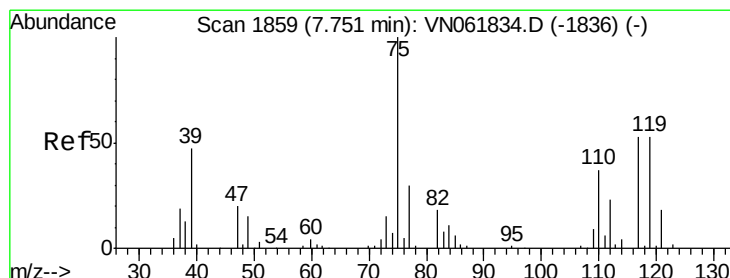
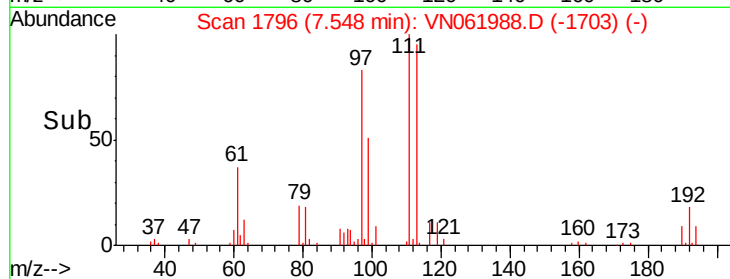
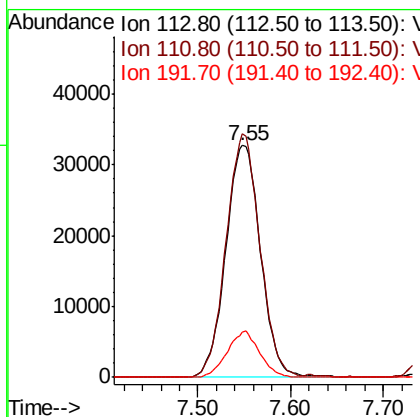
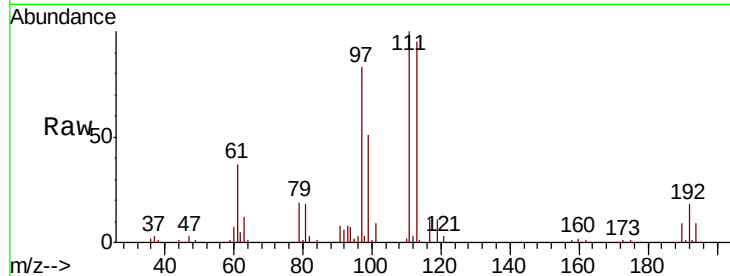




#35
 Dibromofluoromethane
 Concen: 50.574 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

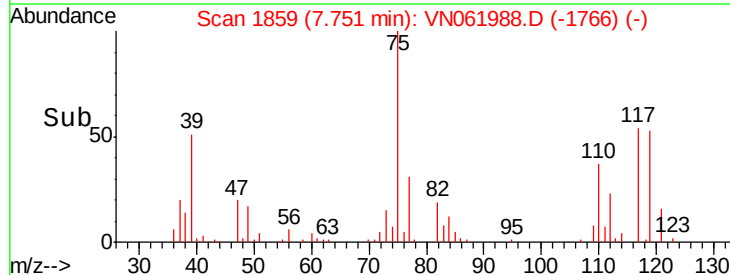
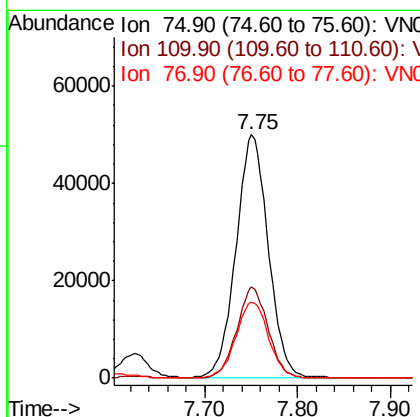
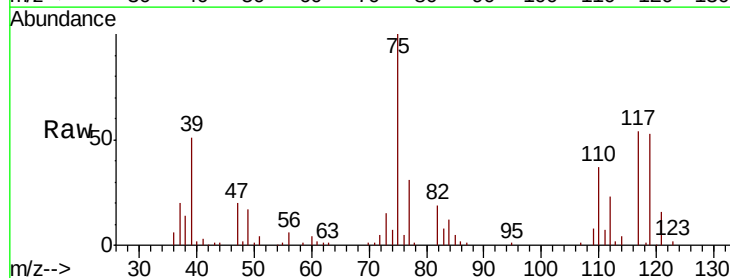
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

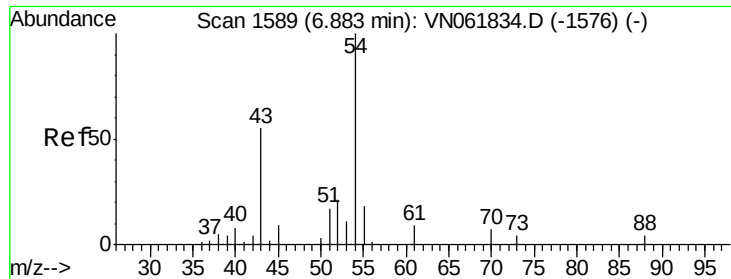
Tot Ion:113 Resp: 85010
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.7 125.5
 192 18.4 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 50.507 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion: 75 Resp: 121043
 Ion Ratio Lower Upper
 75 100
 110 35.9 18.2 54.6
 77 31.6 24.2 36.4

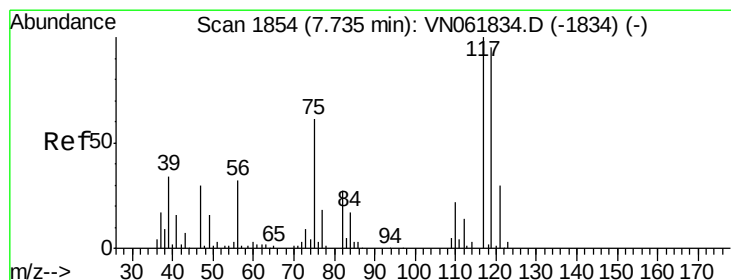
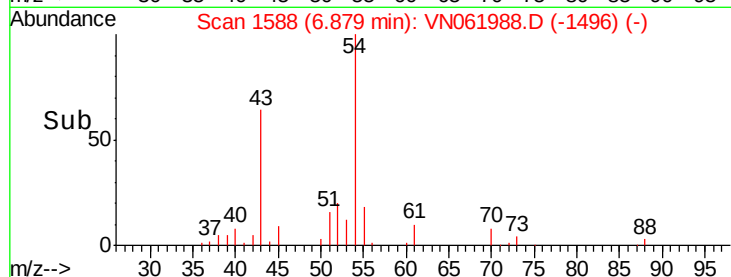
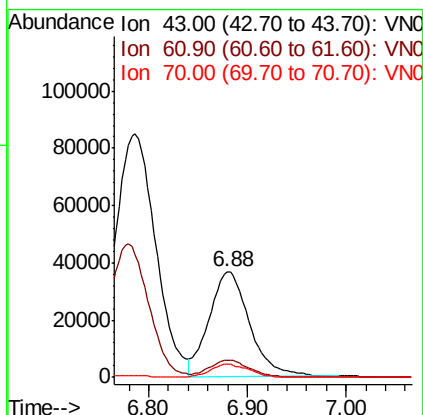
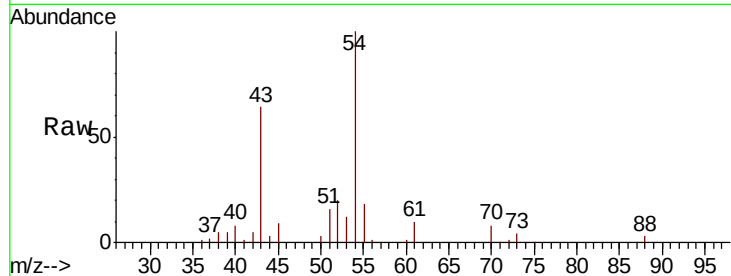




#37
Ethyl Acetate
Concen: 56.140 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

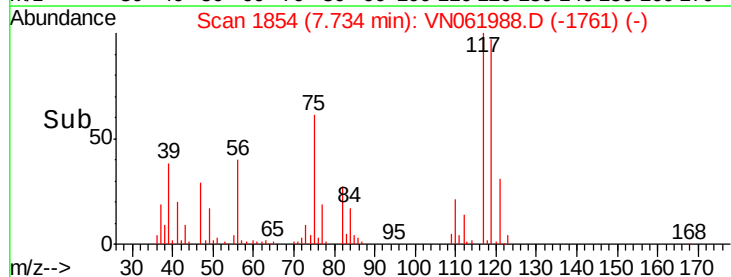
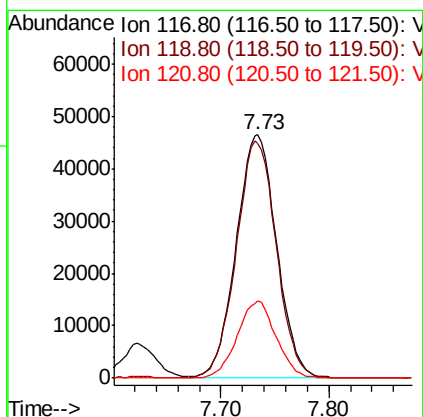
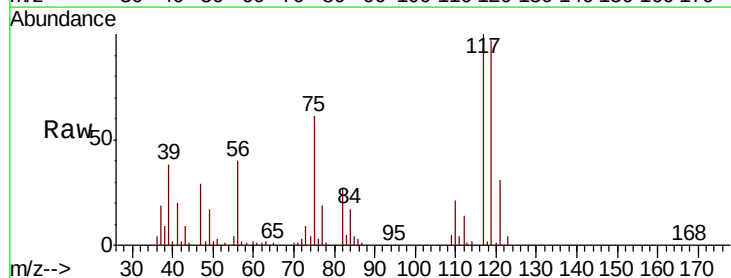
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

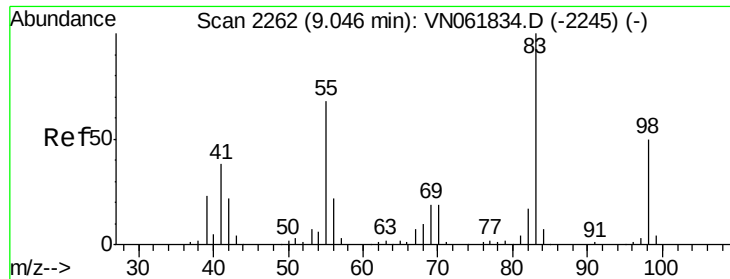
Tot Ion: 43 Resp: 105065
Ion Ratio Lower Upper
43 100
61 15.3 13.0 19.4
70 12.0 9.4 14.2



#38
Carbon Tetrachloride
Concen: 51.091 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 117 Resp: 121252
Ion Ratio Lower Upper
117 100
119 96.6 75.8 113.6
121 31.5 23.8 35.6

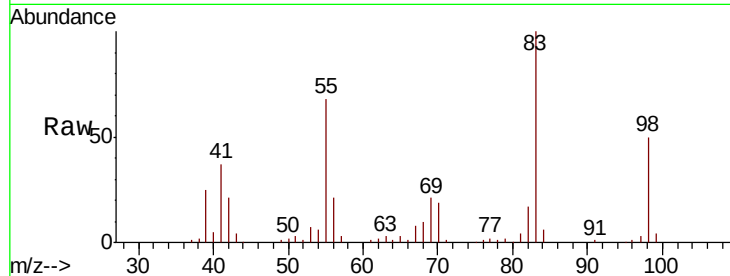




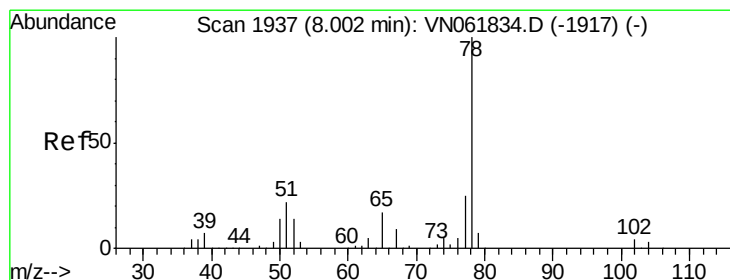
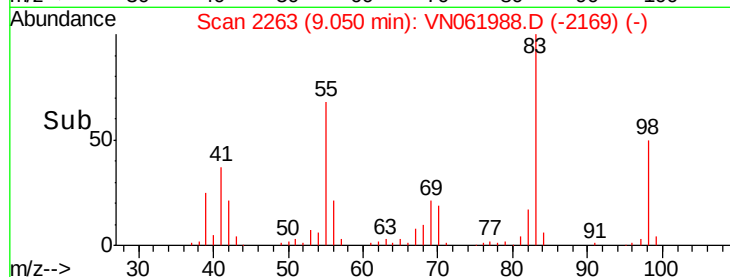
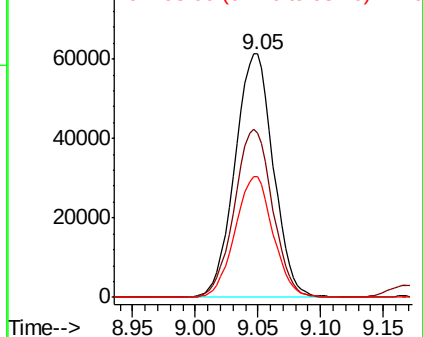
#39
Methylvlcyclohexane
Concen: 50.563 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 130481
Ion Ratio Lower Upper
83 100
55 67.6 54.2 81.4
98 49.7 39.8 59.6

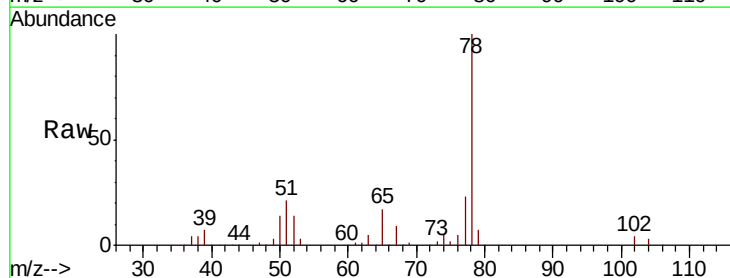


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

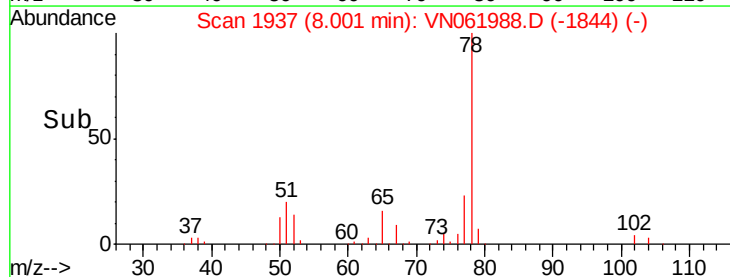
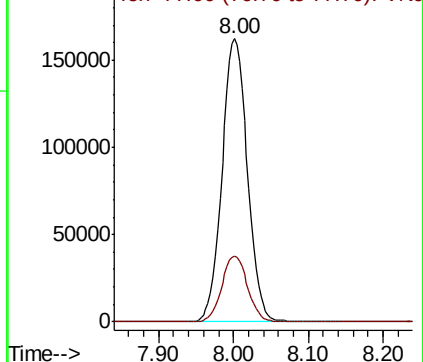


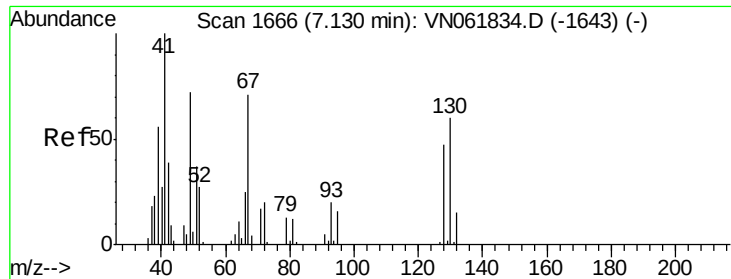
#40
Benzene
Concen: 52.379 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 78 Resp: 380254
Ion Ratio Lower Upper
78 100
77 23.3 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

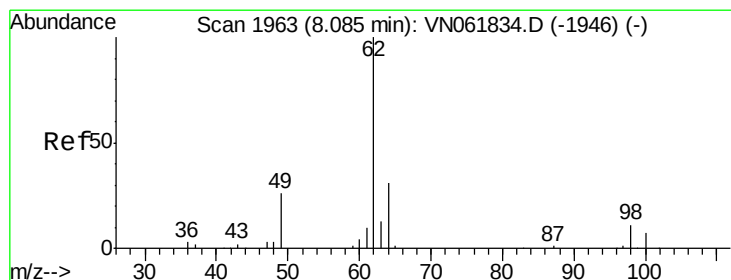
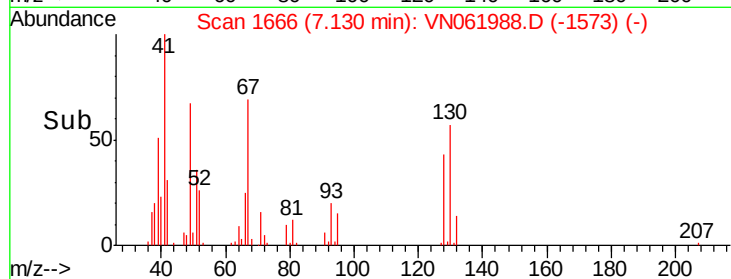
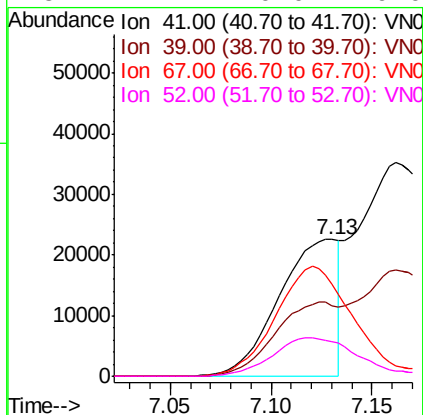
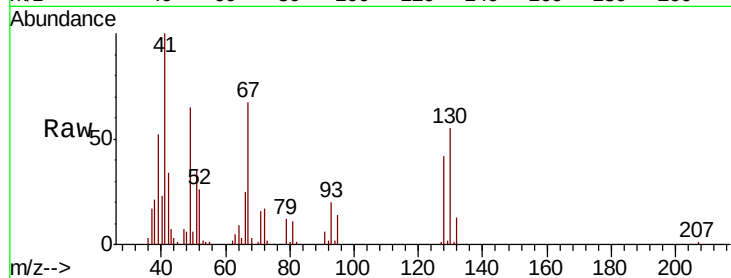




#41
Methacrylonitrile
Concen: 57.597 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

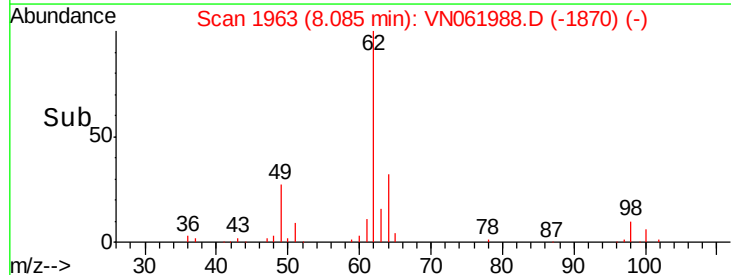
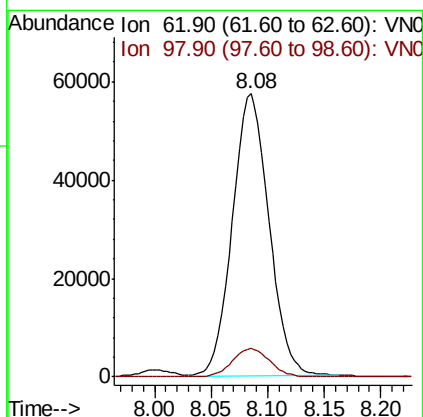
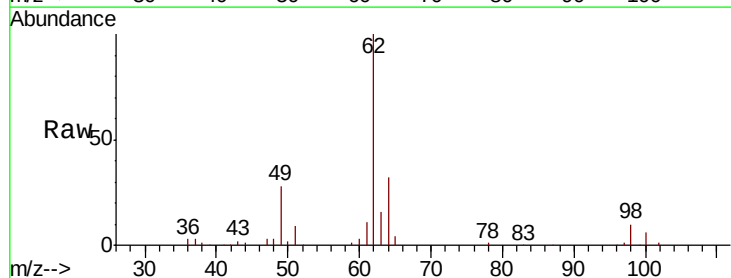
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

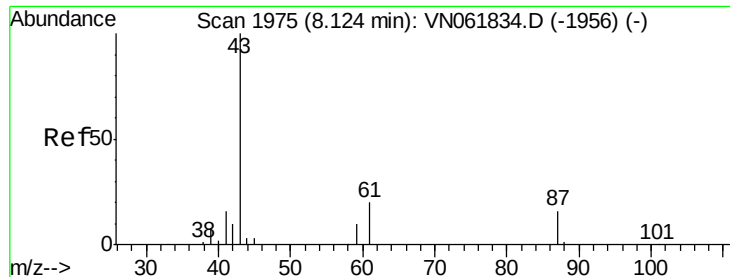
Tot Ion: 41 Resp: 46093
Ion Ratio Lower Upper
41 100
39 56.1 0.0 0.0#
67 105.6 0.0 0.0#
52 41.2 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 52.196 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 62 Resp: 129204
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.4





#43

Isopropyl Acetate

Concen: 54.870 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

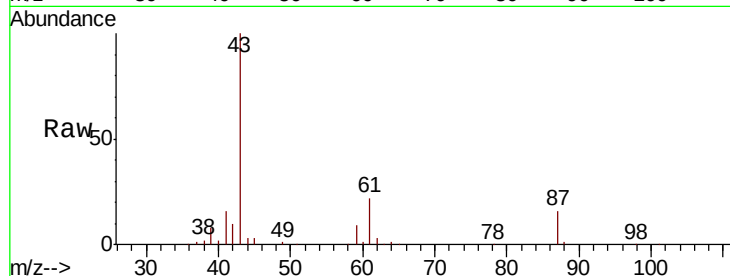
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 173052

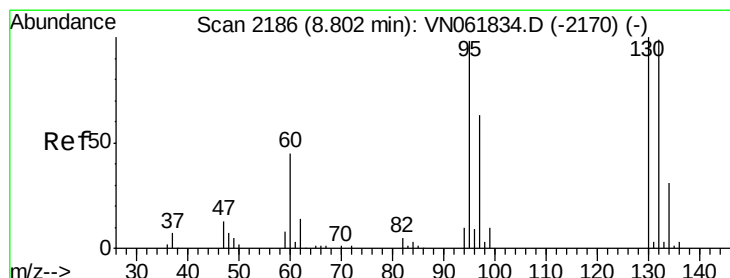
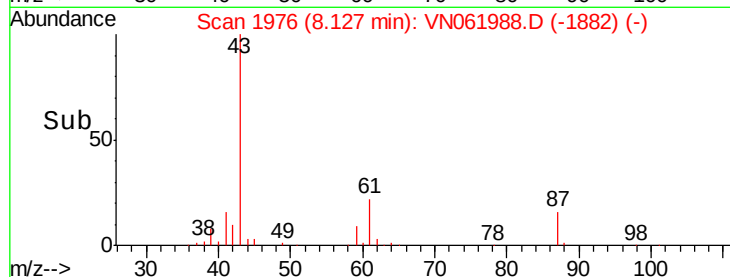
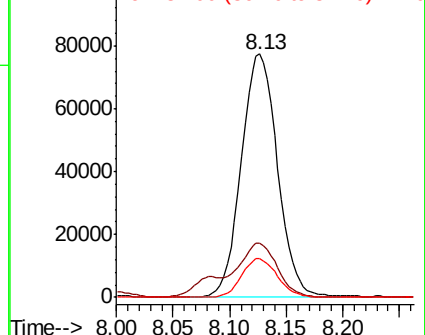
Ion	Ratio	Lower	Upper
43	100		
61	22.7	24.0	36.0#
87	15.6	12.5	18.7



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061834.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061834.D (-1956) (-)



#44

Trichloroethene

Concen: 51.356 ug/l

RT: 8.80 min Scan# 2186

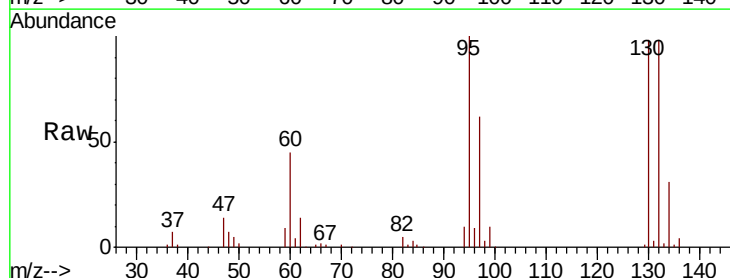
Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

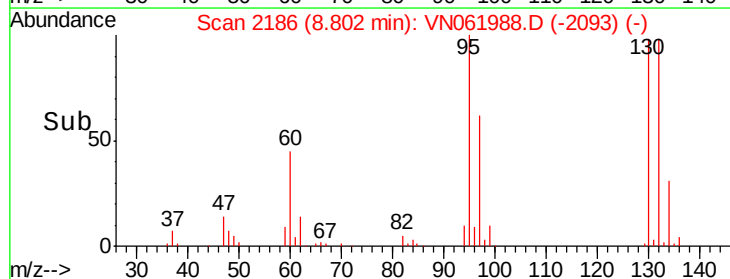
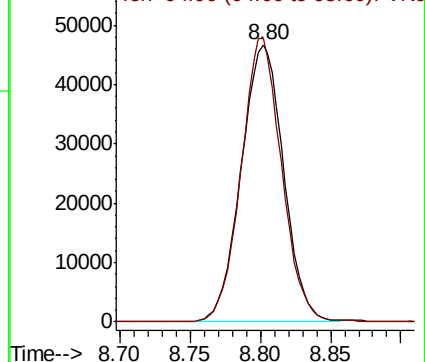
Tgt Ion: 130 Resp: 98118

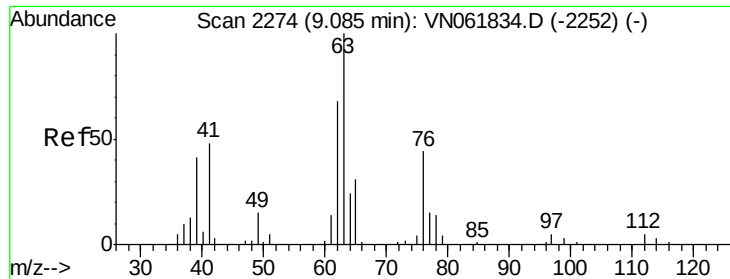
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	195.6



Abundance Ion 129.80 (129.50 to 130.50): VN061834.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN061834.D (-2170) (-)

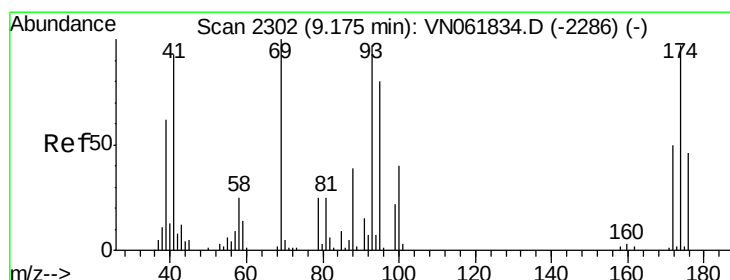
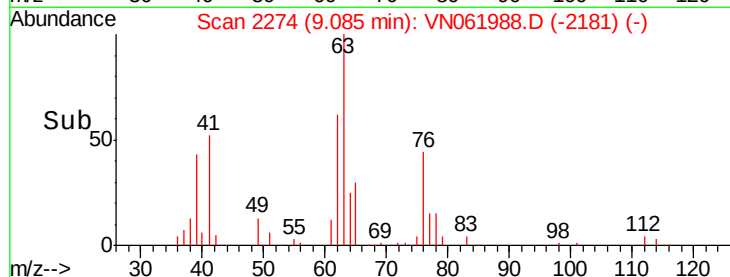
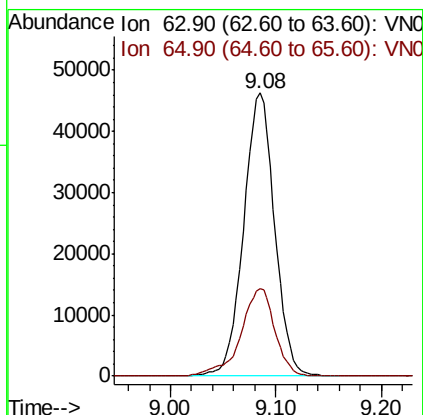
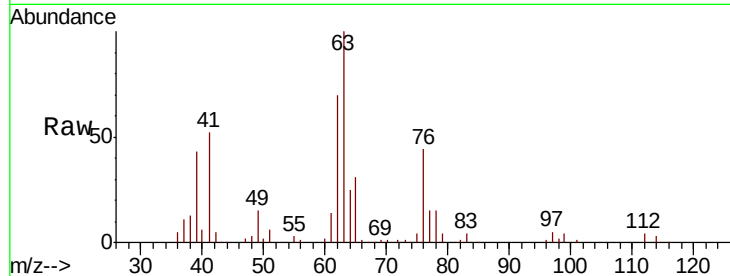




#45
 1,2-Dichloropropane
 Concen: 53.018 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

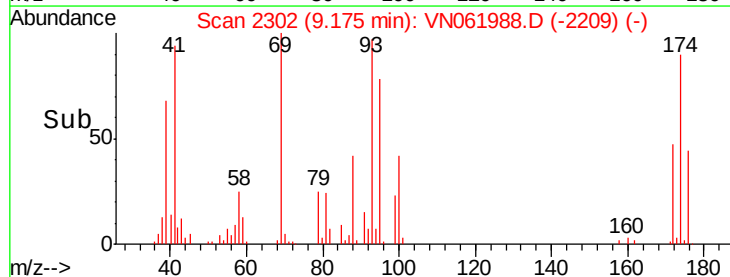
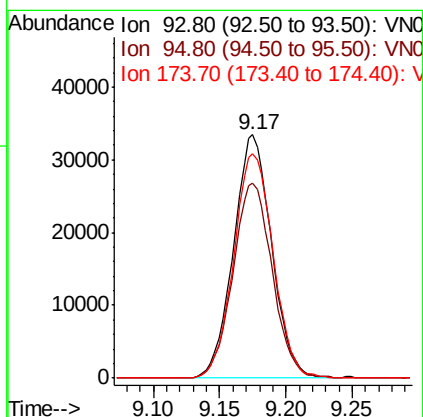
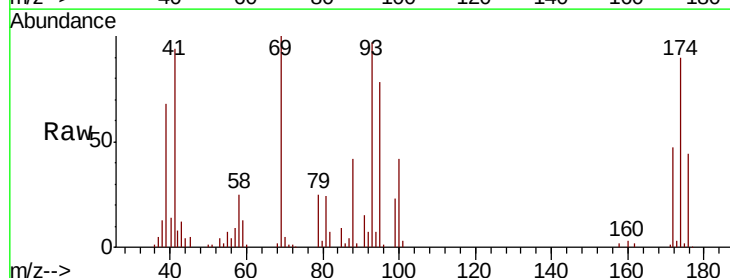
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

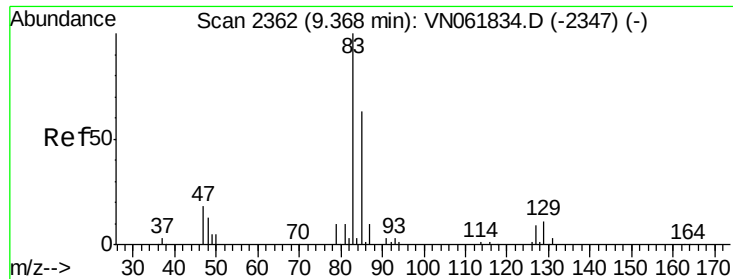
Tot Ion: 63 Resp: 94588
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.1 37.7



#46
 Dibromomethane
 Concen: 53.148 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion: 93 Resp: 66771
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.8 98.6
 174 95.1 78.5 117.7





#47

Bromodichloromethane

Concen: 52.617 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

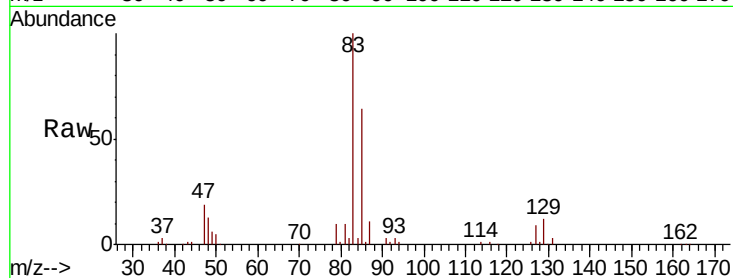
Tot Ion: 83 Resp: 135357

Ion Ratio Lower Upper

83 100

85 64.3 50.8 76.2

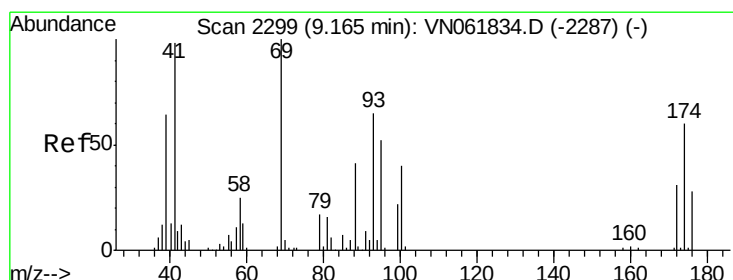
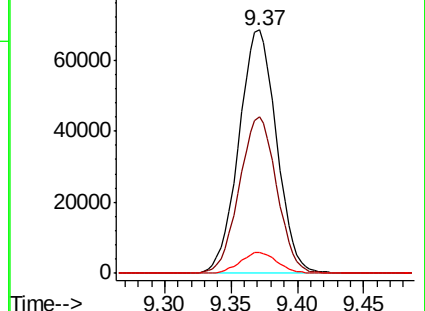
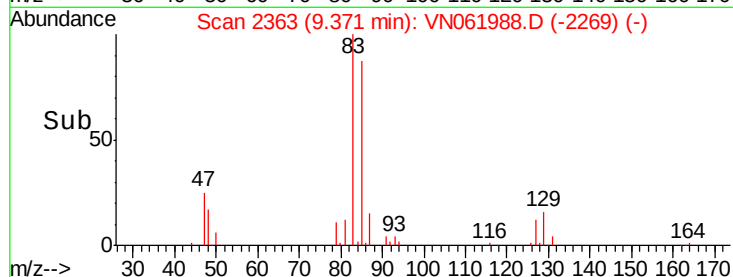
127 8.7 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN061988.D (-2269) (-)

Ion 84.90 (84.60 to 85.60): VN061988.D (-2269) (-)

Ion 126.80 (126.50 to 127.50): VN061988.D (-2269) (-)



#48

Methyl methacrylate

Concen: 55.321 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

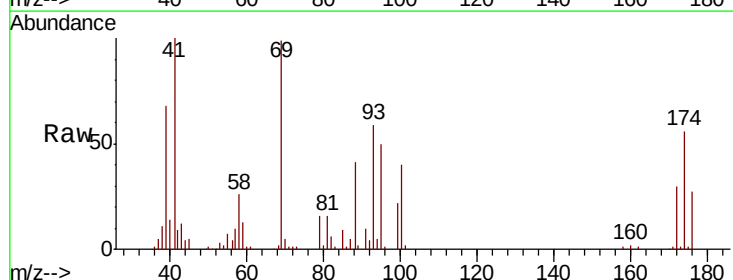
Tgt Ion: 41 Resp: 79344

Ion Ratio Lower Upper

41 100

69 102.0 83.0 124.4

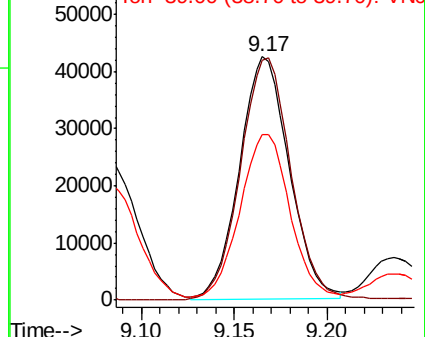
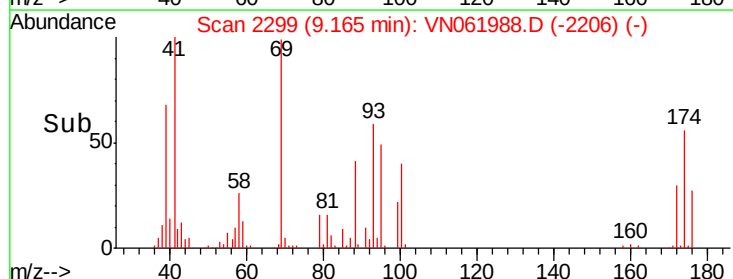
39 68.7 55.1 82.7

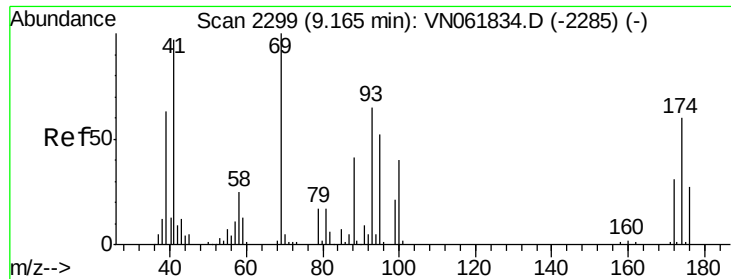


Abundance Ion 41.00 (40.70 to 41.70): VN061988.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061988.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061988.D (-2206) (-)





#49

1,4-Dioxane

Concen: 1105.075 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

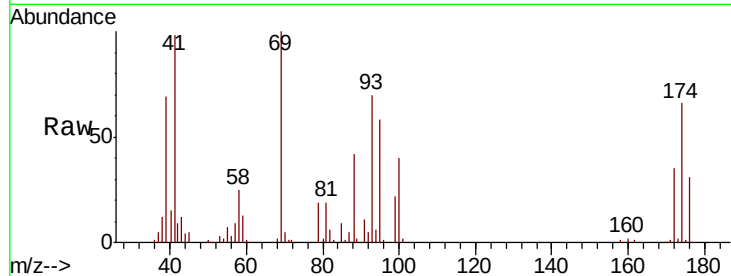
Tot Ion: 88 Resp: 36389

Ion Ratio Lower Upper

88 100

43 28.7 23.4 35.2

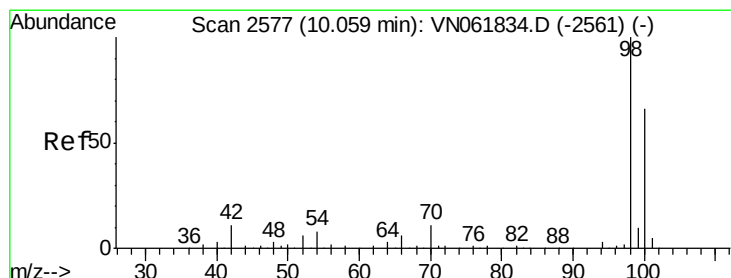
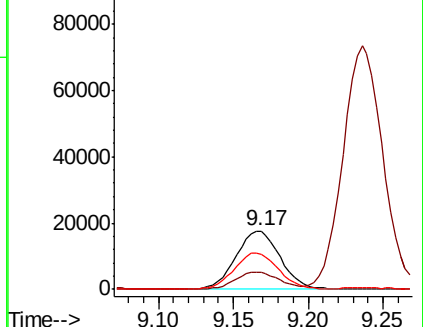
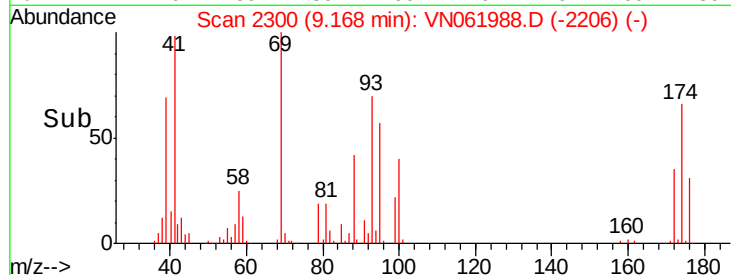
58 61.8 49.8 74.6



Abundance Ion 88.00 (87.70 to 88.70): VN061988.D (-2300) (-)

Ion 43.00 (42.70 to 43.70): VN061988.D (-2300) (-)

Ion 58.00 (57.70 to 58.70): VN061988.D (-2300) (-)



#50

Toluene-d8

Concen: 49.045 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061988.D

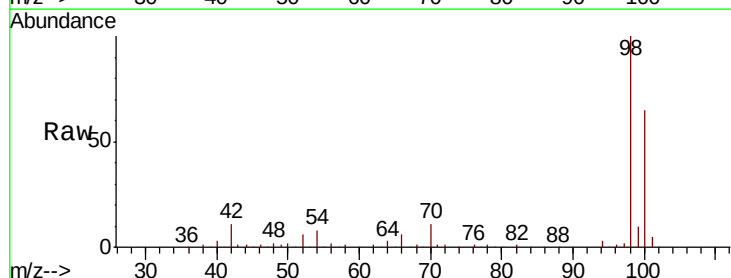
Acq: 20 Jun 2020 9:41

Tgt Ion: 98 Resp: 324109

Ion Ratio Lower Upper

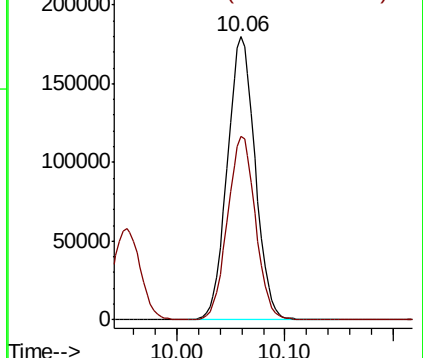
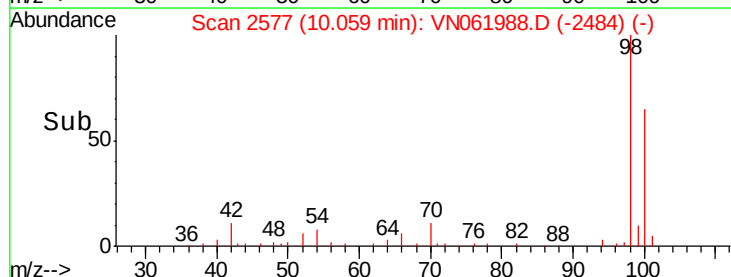
98 100

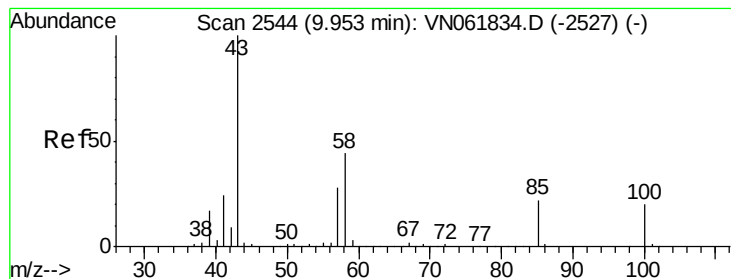
100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061988.D (-2577) (-)

Ion 100.00 (99.70 to 100.70): VN061988.D (-2577) (-)





#51

4-Methyl-2-Pentanone

Concen: 284.222 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

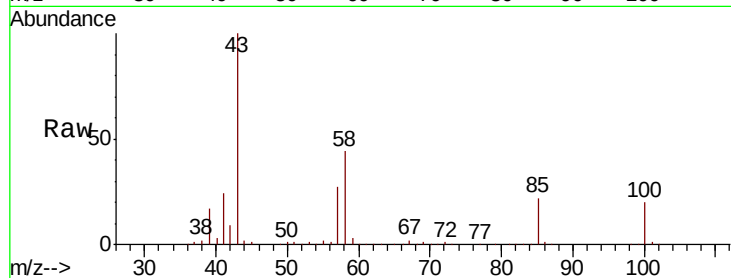
VSTDCCC050EC

Tot Ion: 43 Resp: 529712

Ion Ratio Lower Upper

43 100

58 43.5 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

9.95

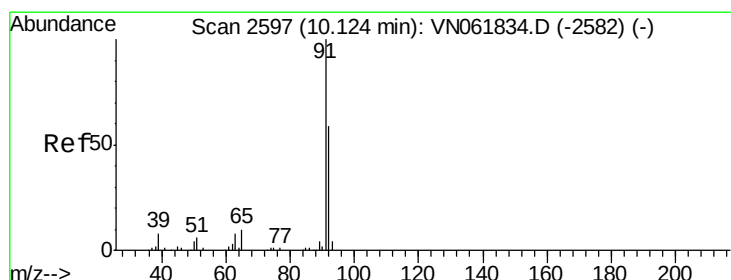
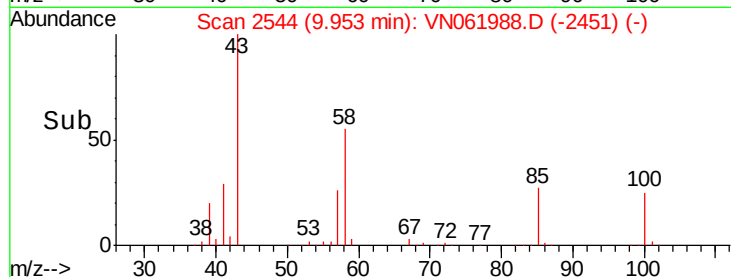
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.950 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061988.D

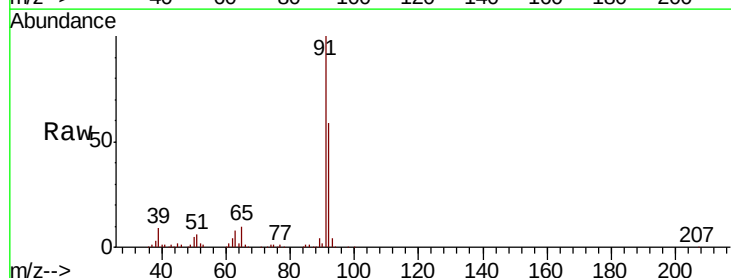
Acq: 20 Jun 2020 9:41

Tgt Ion: 92 Resp: 245975

Ion Ratio Lower Upper

92 100

91 170.8 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN061834.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN061834.D (-2582) (-)

10.12

250000

200000

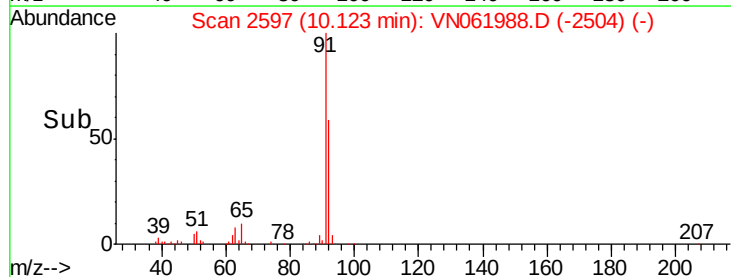
150000

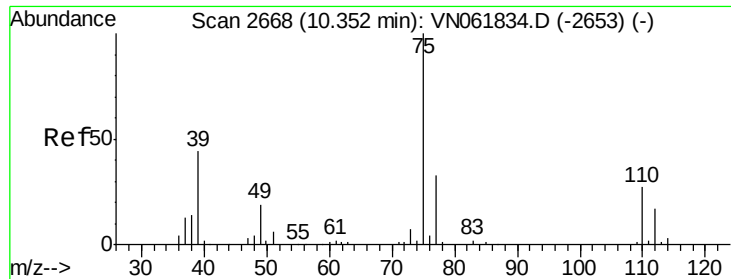
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.382 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

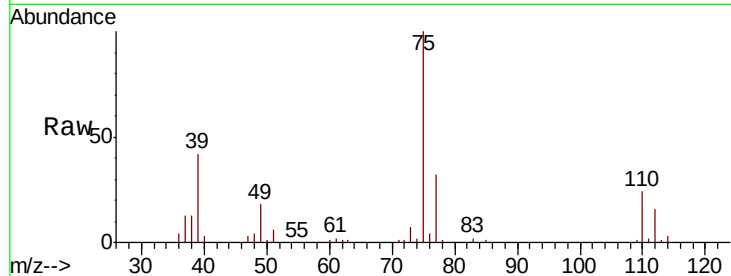
VSTDCCC050EC

Tot Ion: 75 Resp: 137589

Ion Ratio Lower Upper

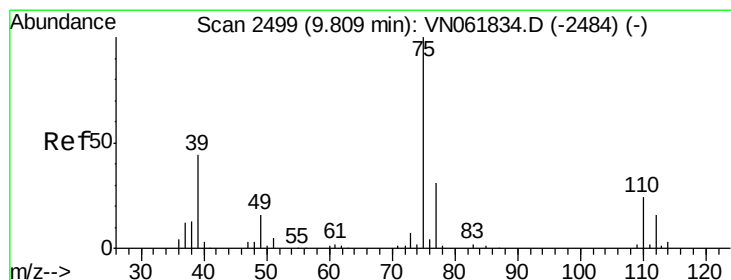
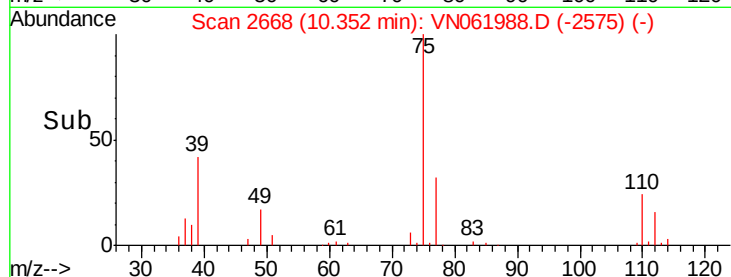
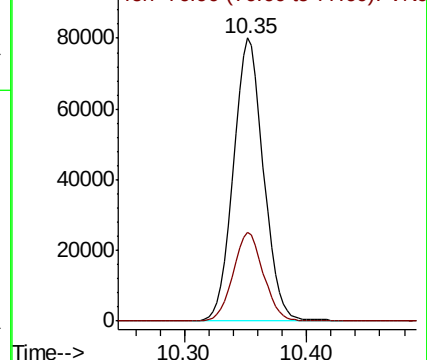
75 100

77 31.6 26.3 39.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.946 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

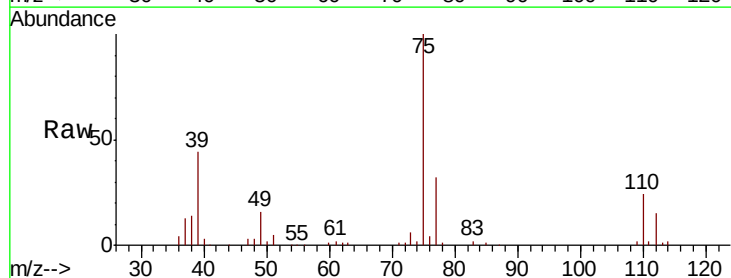
Tgt Ion: 75 Resp: 148152

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

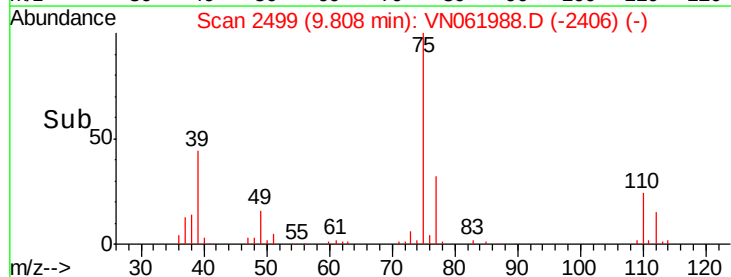
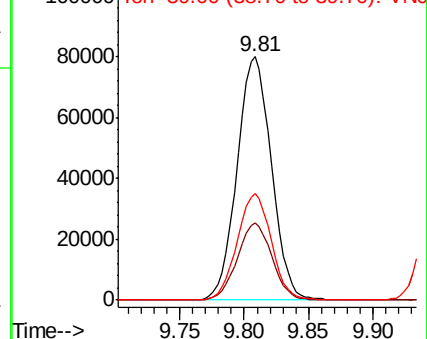
39 43.7 35.4 53.0

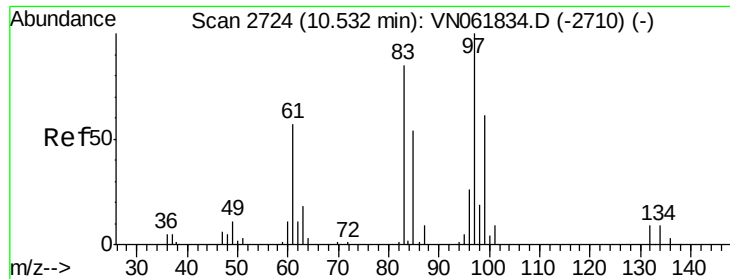


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

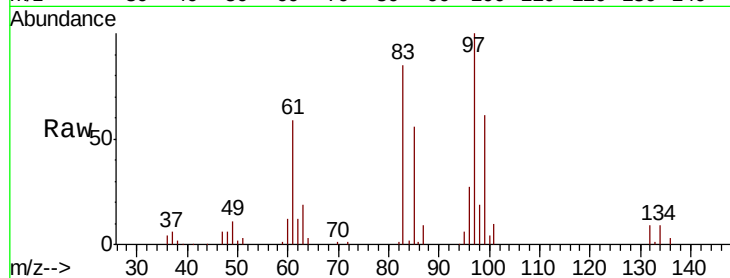




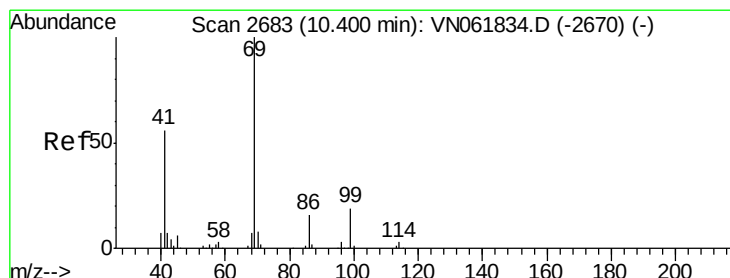
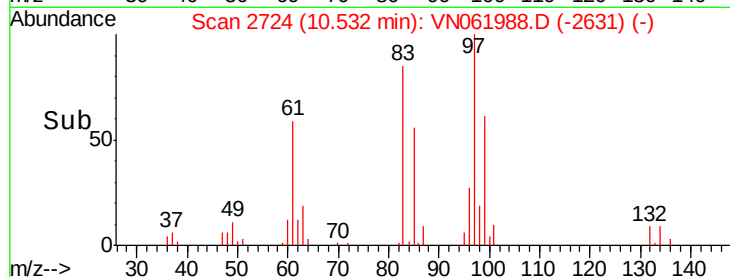
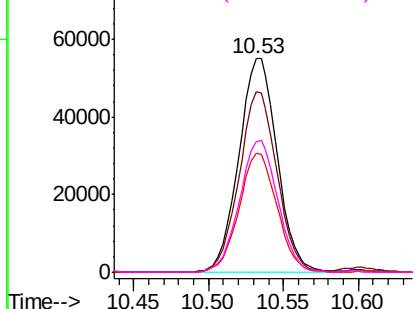
#55
 1,1,2-Trichloroethane
 Concen: 54.706 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 98134
 Ion Ratio Lower Upper
 97 100
 83 84.6 67.7 101.5
 85 55.7 43.4 65.0
 99 61.3 48.8 73.2

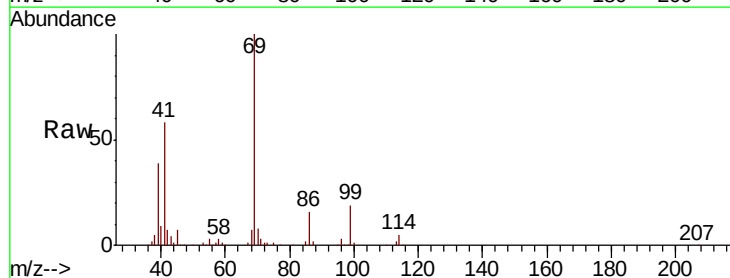


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

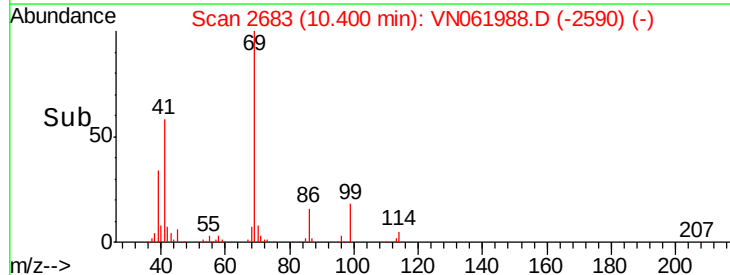
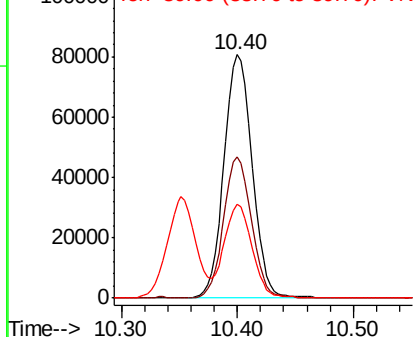


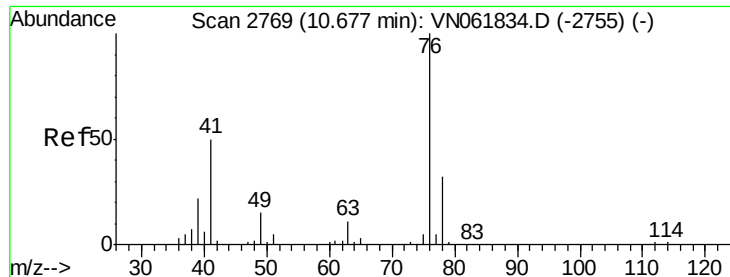
#56
 Ethyl methacrylate
 Concen: 49.610 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion: 69 Resp: 135869
 Ion Ratio Lower Upper
 69 100
 41 56.7 44.9 67.3
 39 37.5 30.0 45.0



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

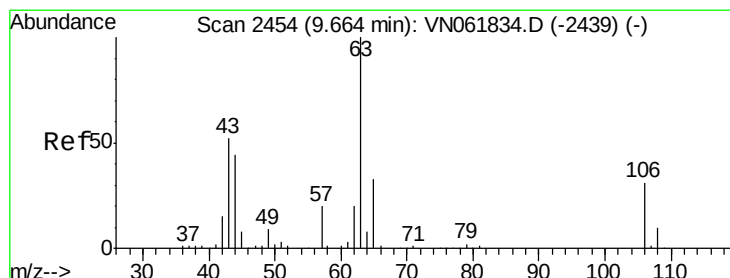
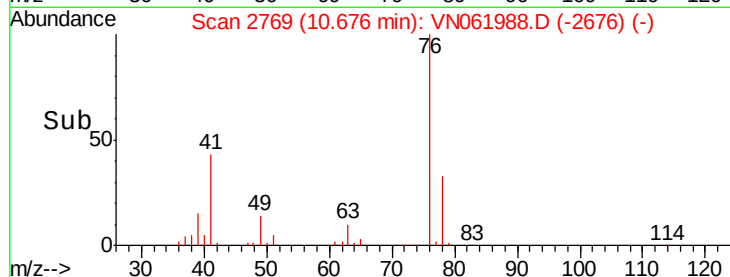
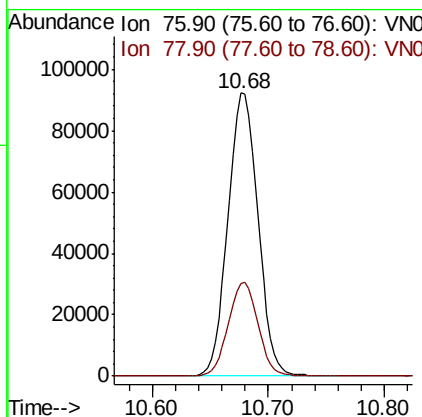
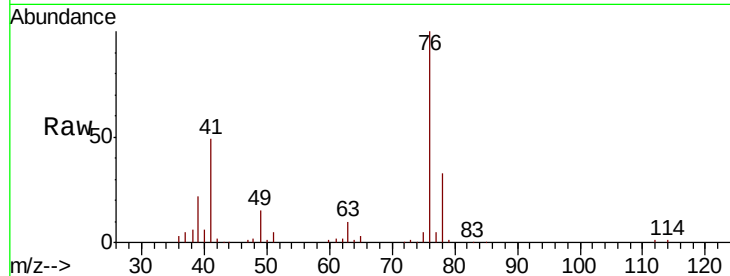




#57
 1,3-Dichloropropane
 Concen: 54.337 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

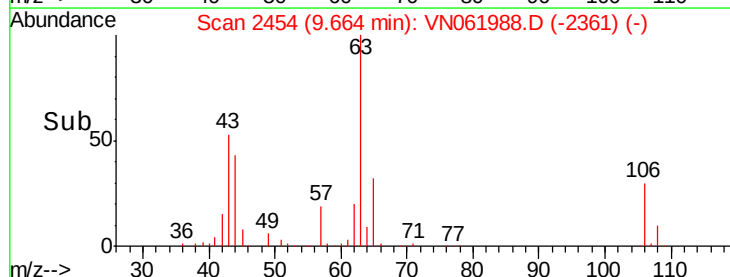
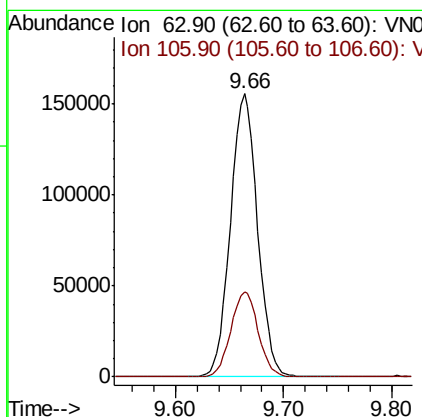
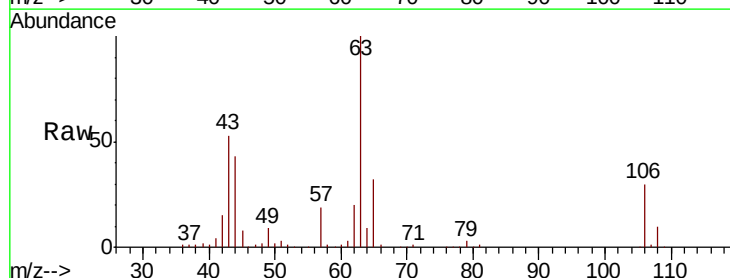
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

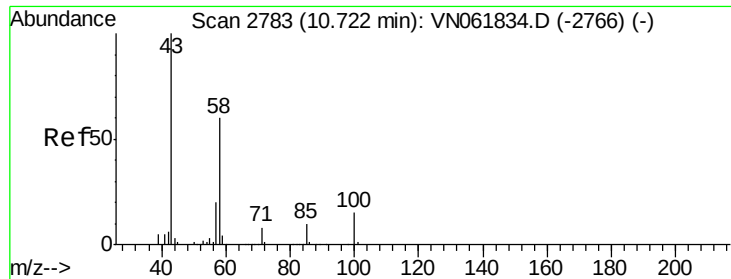
Tot Ion: 76 Resp: 165132
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.493 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion: 63 Resp: 271232
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.6 36.8

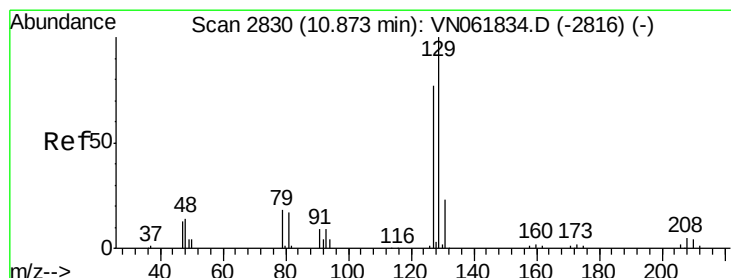
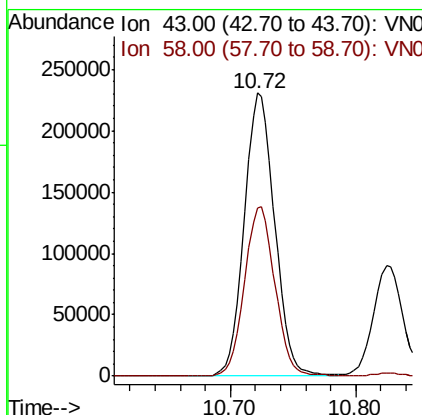
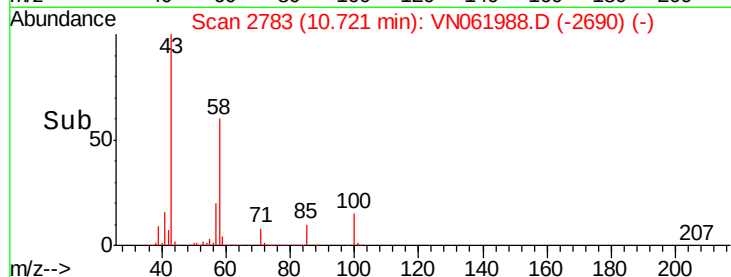
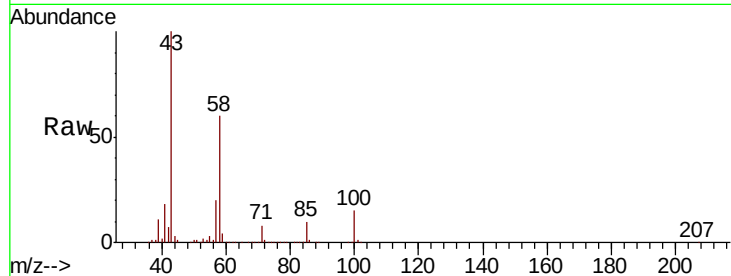




#59
2-Hexanone
Concen: 259.554 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

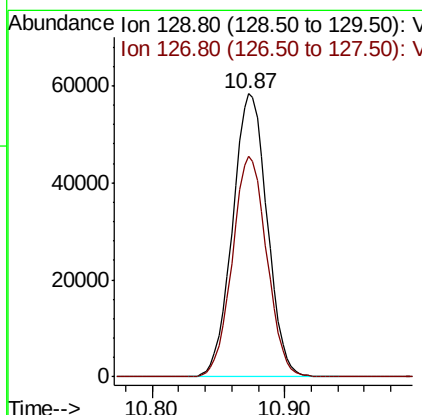
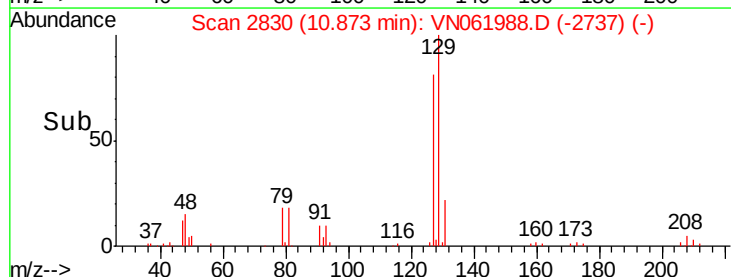
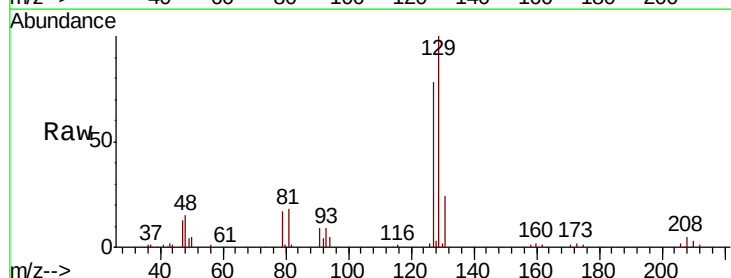
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

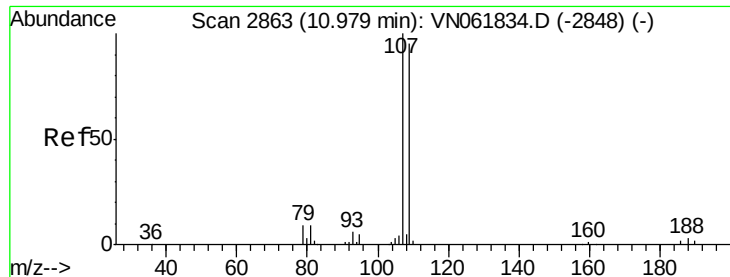
Tot Ion: 43 Resp: 387271
Ion Ratio Lower Upper
43 100
58 60.0 30.1 90.5



#60
Dibromochloromethane
Concen: 52.852 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 129 Resp: 105791
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5

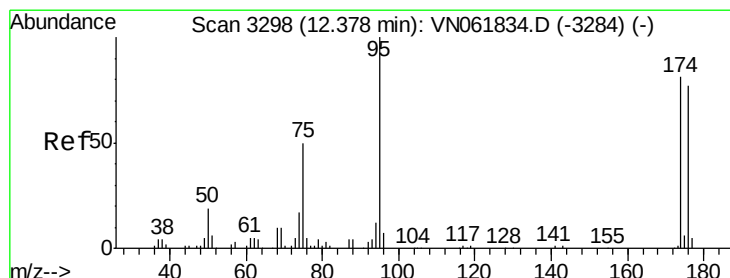
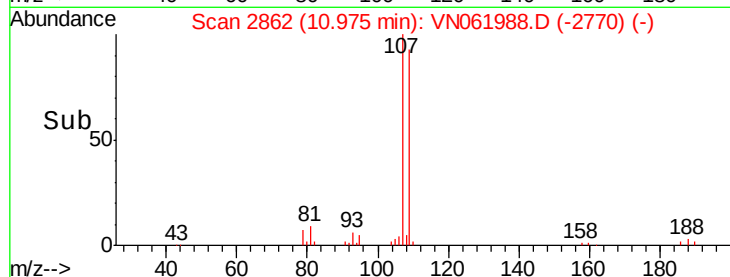
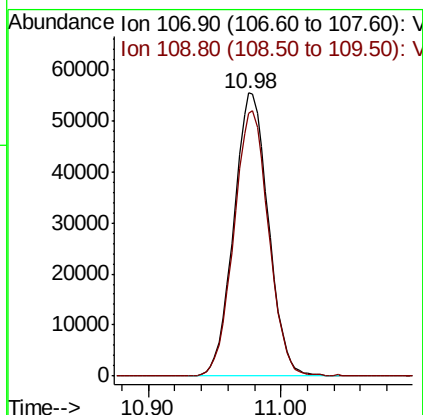
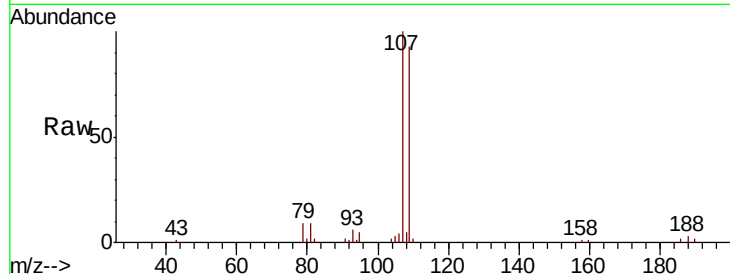




#61
 1,2-Dibromoethane
 Concen: 53.601 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

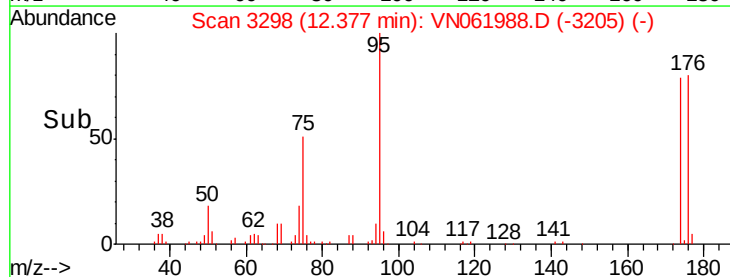
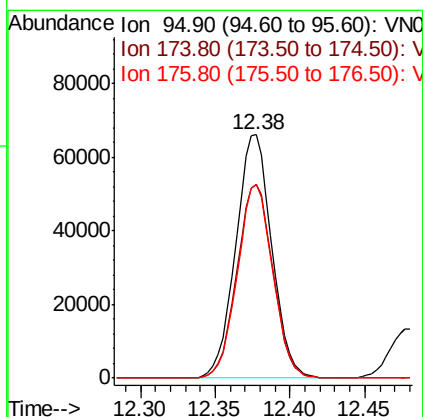
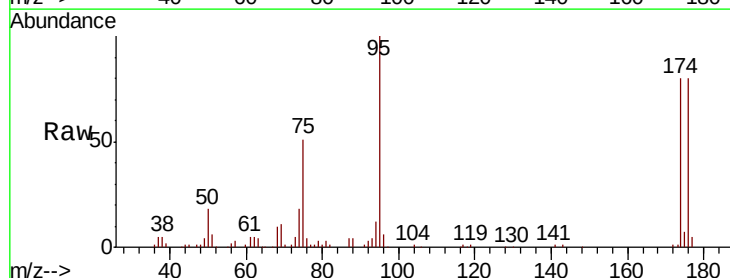
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

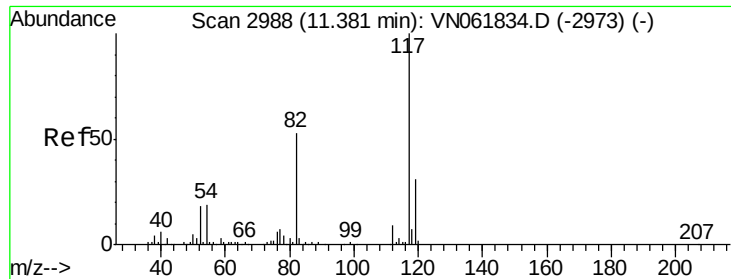
Tot Ion: 107 Resp: 100403
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.775 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion: 95 Resp: 110561
 Ion Ratio Lower Upper
 95 100
 174 79.6 0.0 158.6
 176 78.0 0.0 152.0

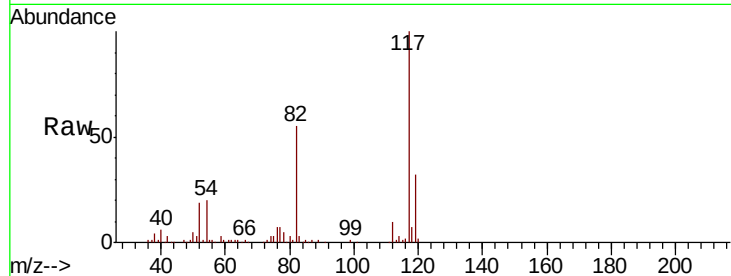




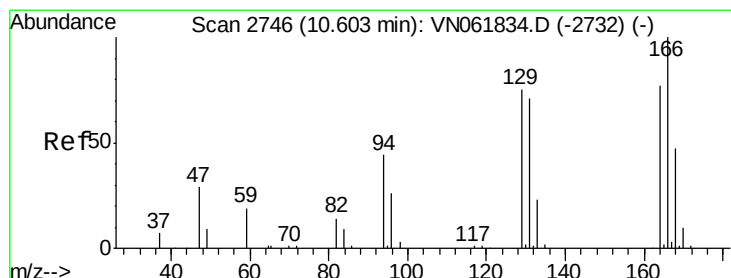
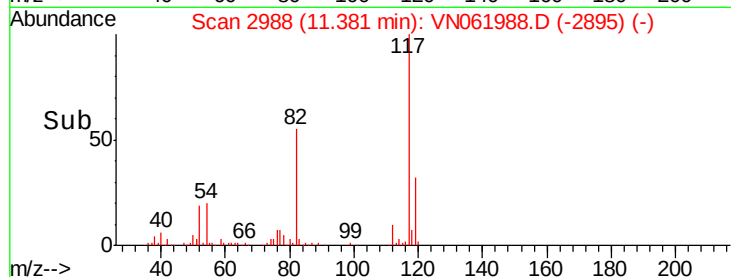
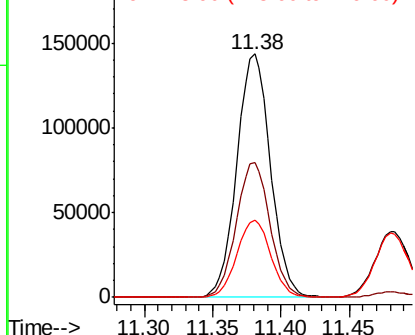
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 246230
Ion Ratio Lower Upper
117 100
82 55.4 42.6 64.0
119 31.7 24.7 37.1

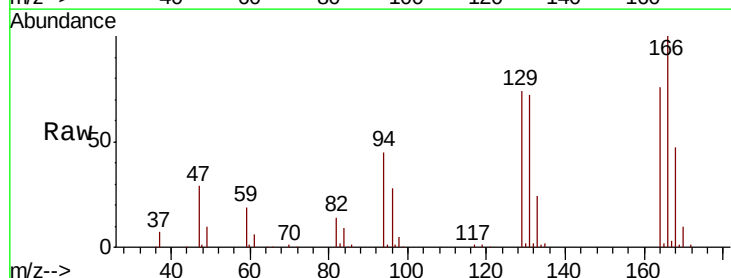


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

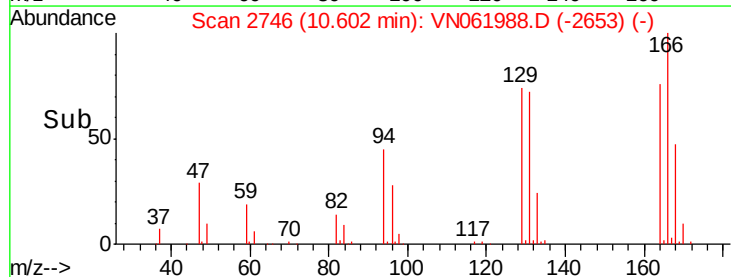
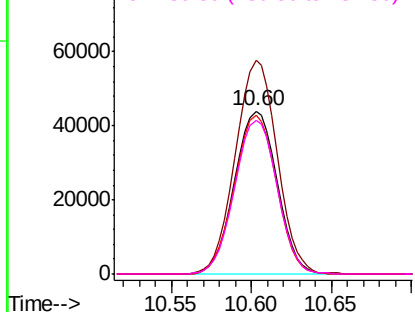


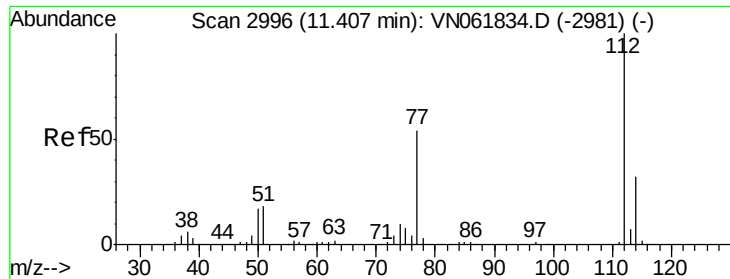
#64
Tetrachloroethene
Concen: 50.866 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion:164 Resp: 79828
Ion Ratio Lower Upper
164 100
166 131.1 103.5 155.3
129 97.2 77.5 116.3
131 94.3 73.8 110.8



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

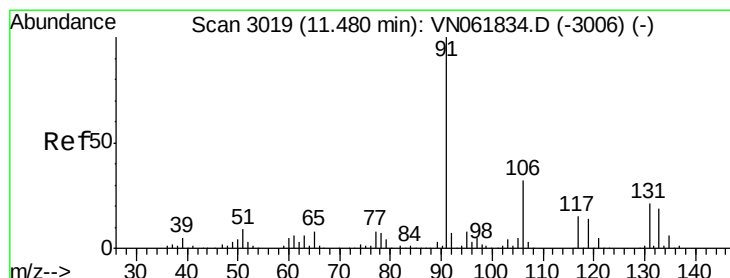
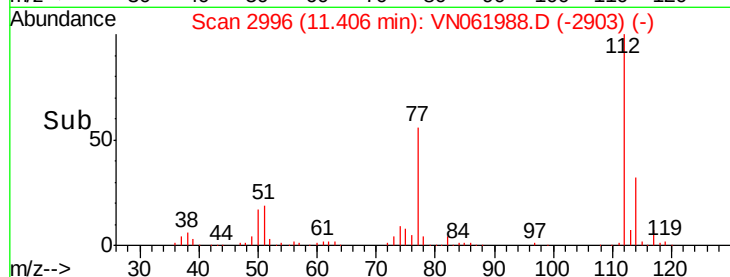
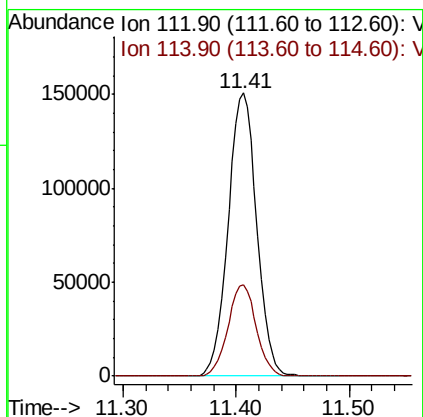
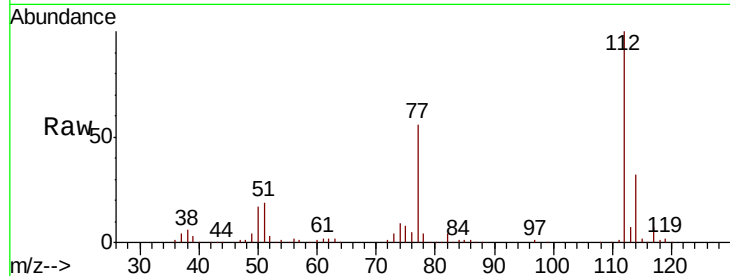




#65
Chlorobenzene
Concen: 50.880 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

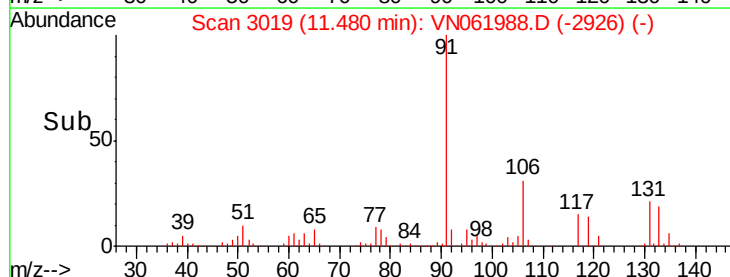
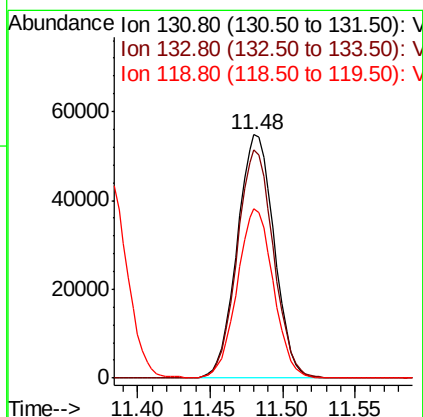
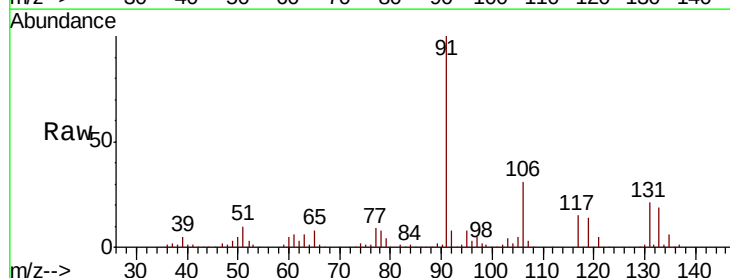
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

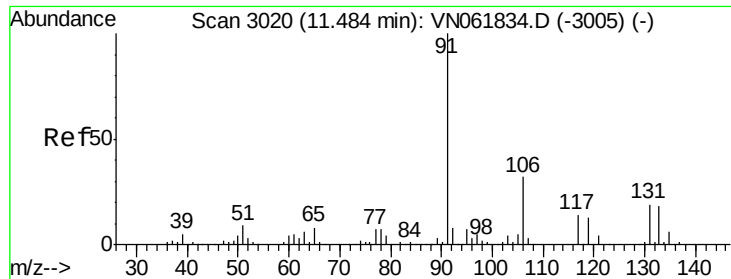
Tot Ion:112 Resp: 264353
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.655 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion:131 Resp: 97226
Ion Ratio Lower Upper
131 100
133 92.4 47.5 142.5
119 68.1 34.0 101.8

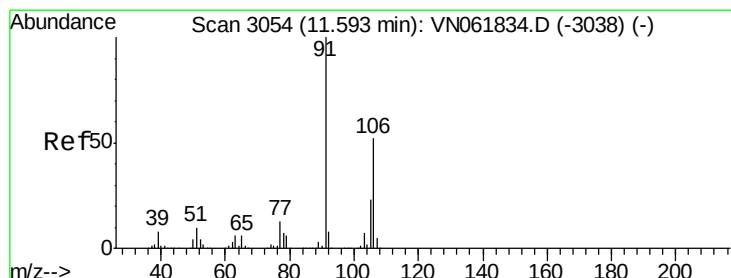
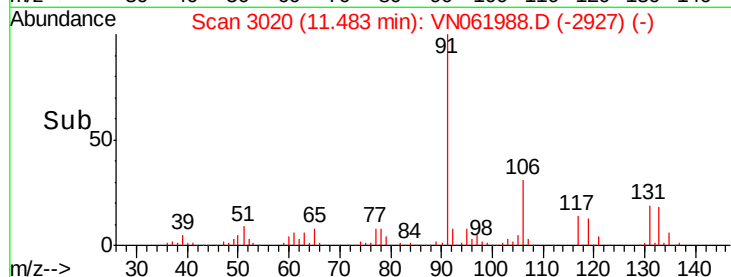
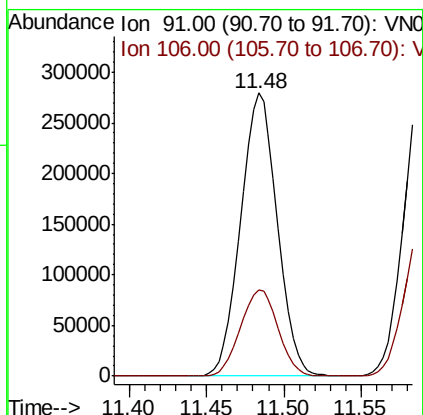
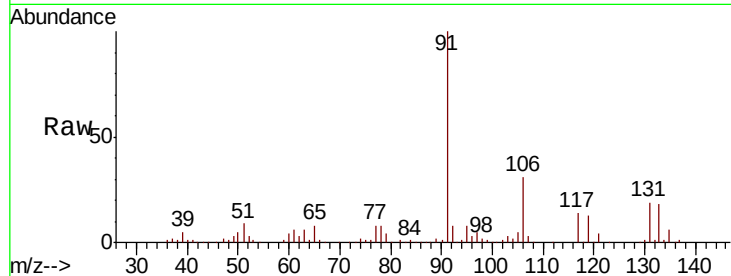




#67
Ethyl Benzene
Concen: 52.820 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

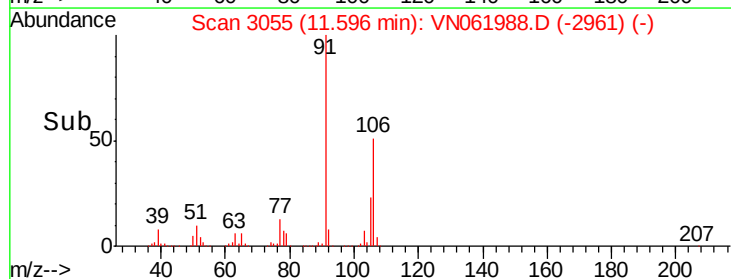
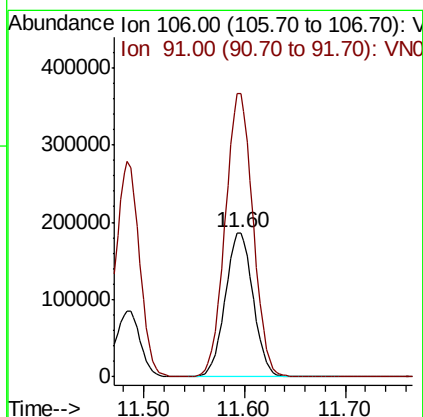
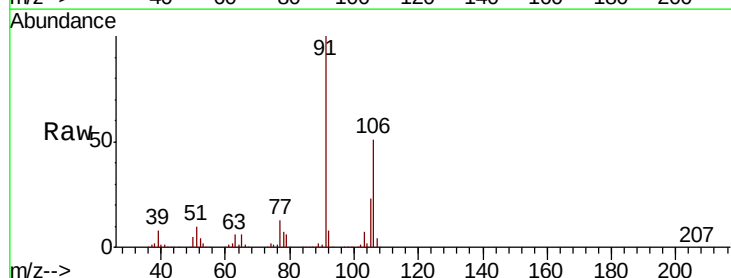
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

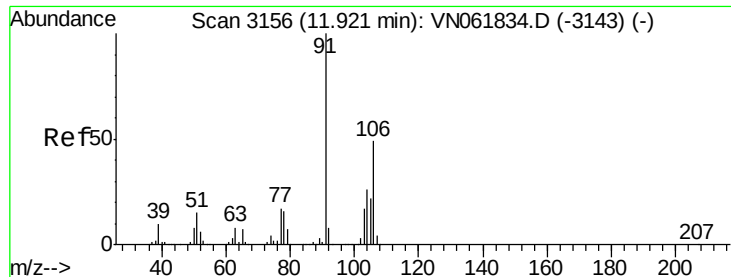
Tot Ion: 91 Resp: 460129
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.2



#68
m/p-Xylenes
Concen: 106.985 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 106 Resp: 359368
Ion Ratio Lower Upper
106 100
91 196.0 157.0 235.6

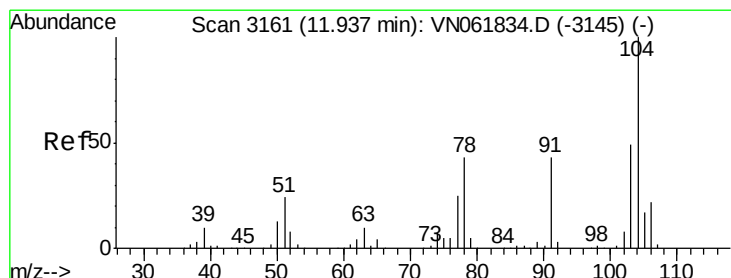
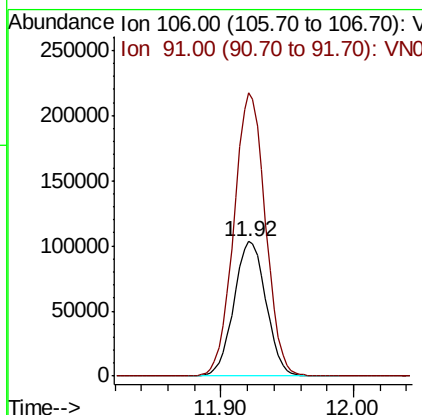
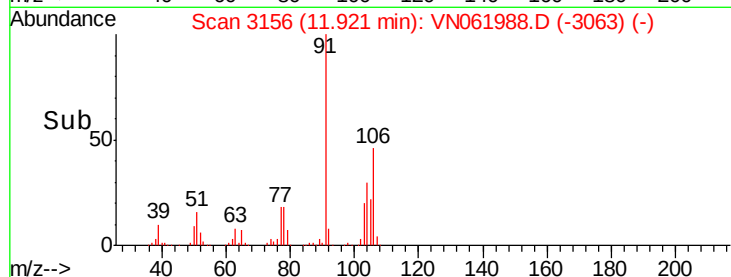
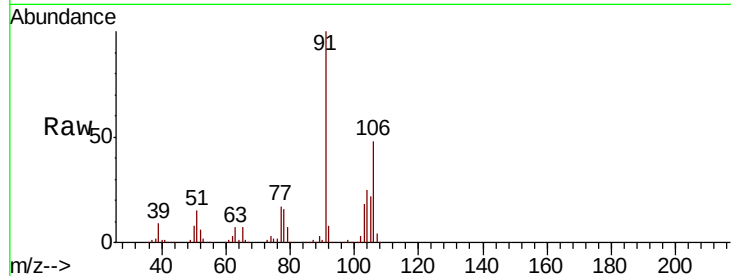




#69
o-Xylene
Concen: 54.179 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

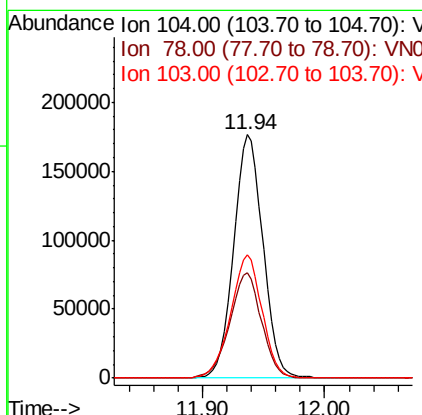
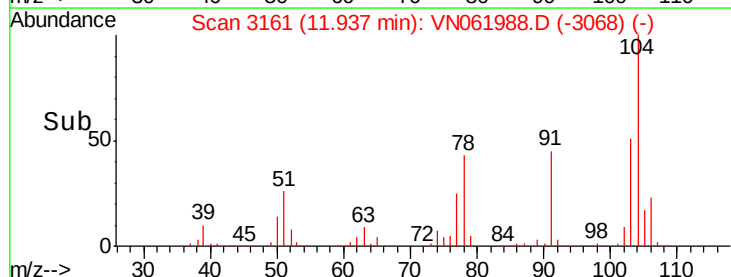
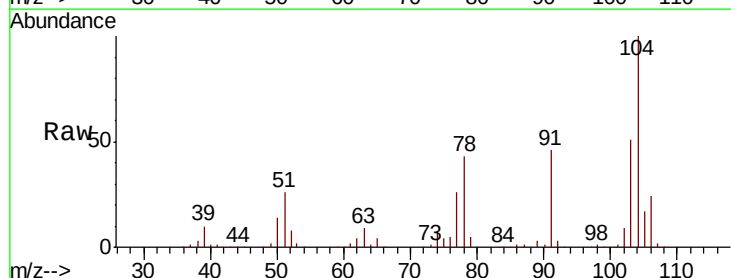
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

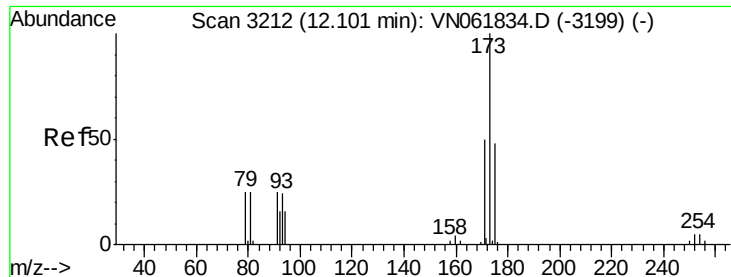
Tot Ion:106 Resp: 173647
Ion Ratio Lower Upper
106 100
91 206.8 103.0 308.9



#70
Styrene
Concen: 54.831 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion:104 Resp: 294250
Ion Ratio Lower Upper
104 100
78 47.1 37.6 56.4
103 54.2 43.0 64.4





#71

Bromoform

Concen: 54.089 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

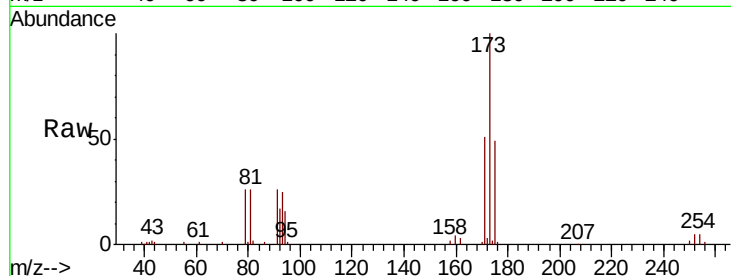
Tot Ion:173 Resp: 71466

Ion Ratio Lower Upper

173 100

175 48.2 23.9 71.7

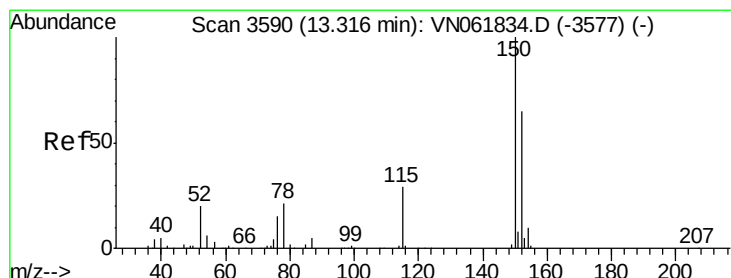
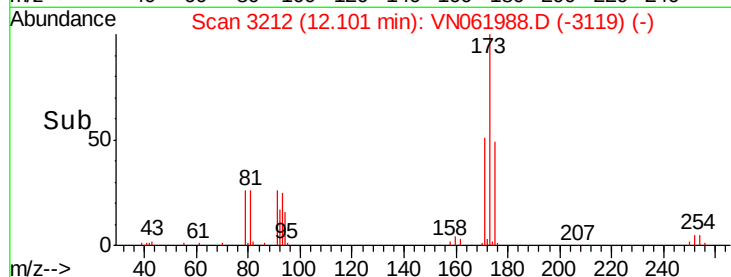
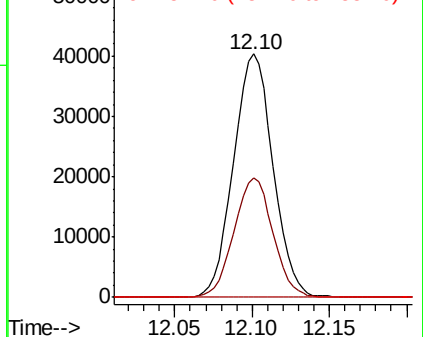
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

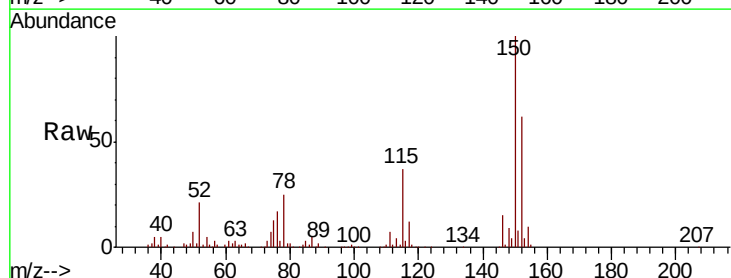
Tgt Ion:152 Resp: 120964

Ion Ratio Lower Upper

152 100

115 58.3 29.1 87.3

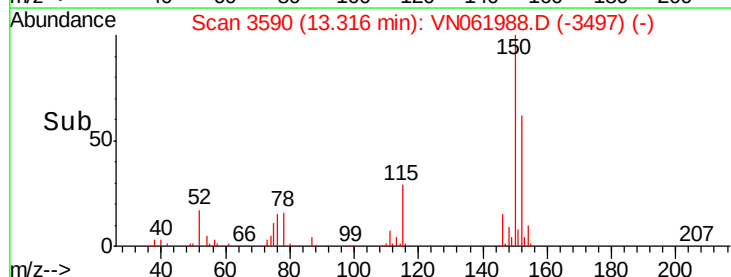
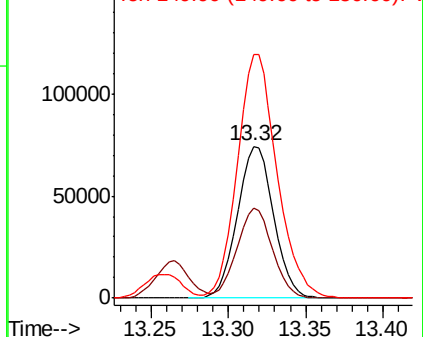
150 175.6 0.0 347.6

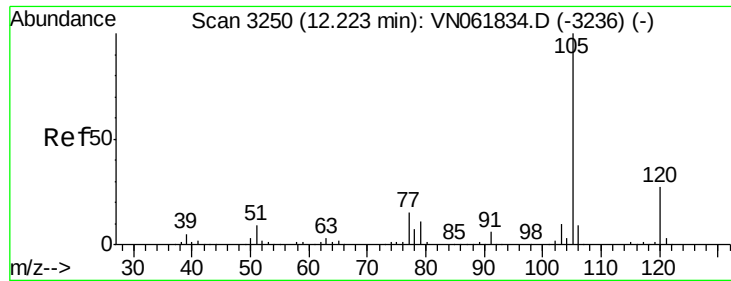


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

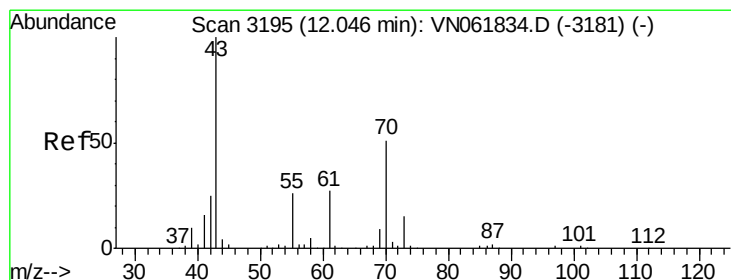
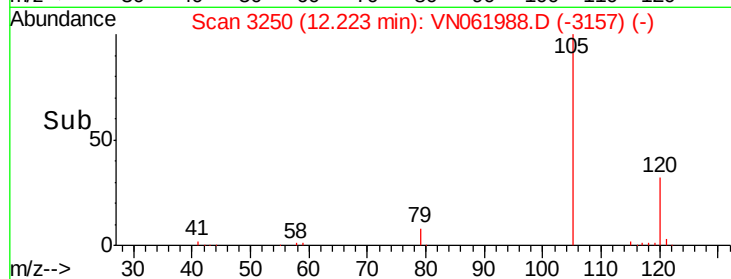
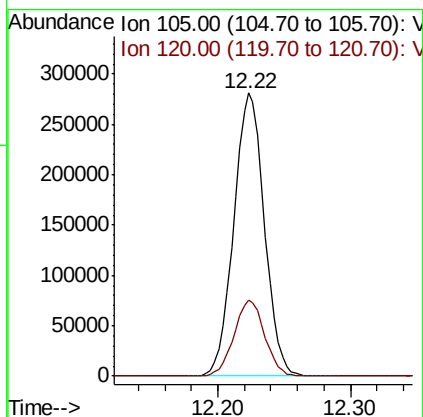
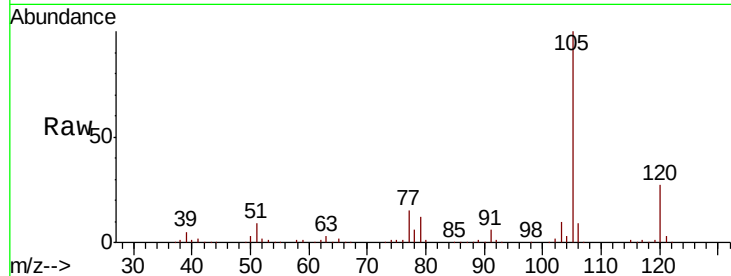




#73
Isopropylbenzene
Concen: 52.187 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

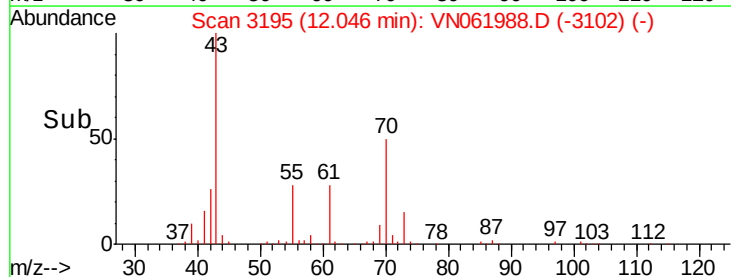
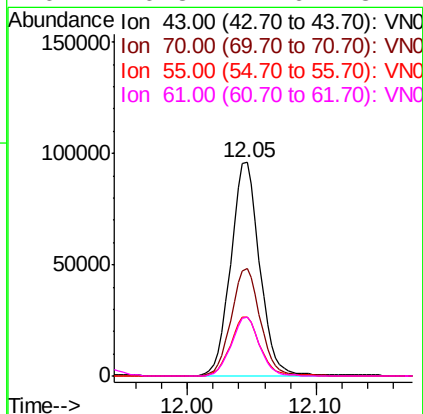
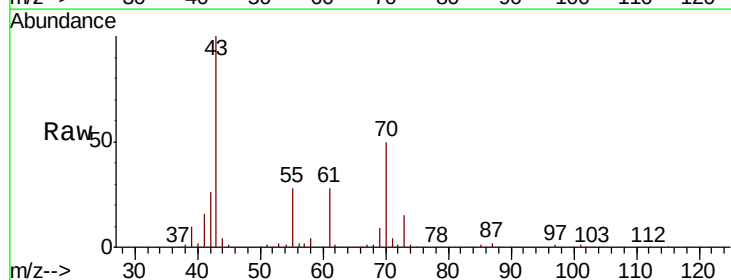
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

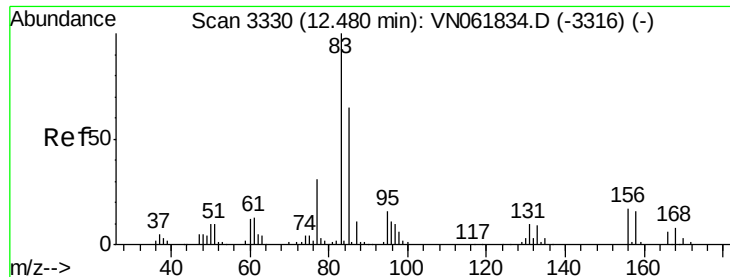
Tot Ion:105 Resp: 448588
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.8



#74
N-ethyl acetate
Concen: 48.254 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 43 Resp: 149857
Ion Ratio Lower Upper
43 100
70 50.9 40.6 60.8
55 28.3 21.5 32.3
61 26.8 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.659 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

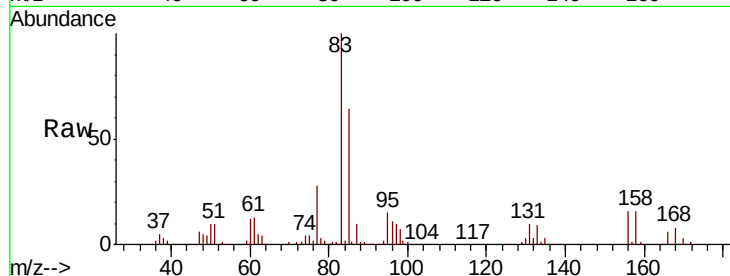
Tot Ion: 83 Resp: 147165

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

85 65.0 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN061988.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061988.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061988.D (-3237) (-)

120000

100000

80000

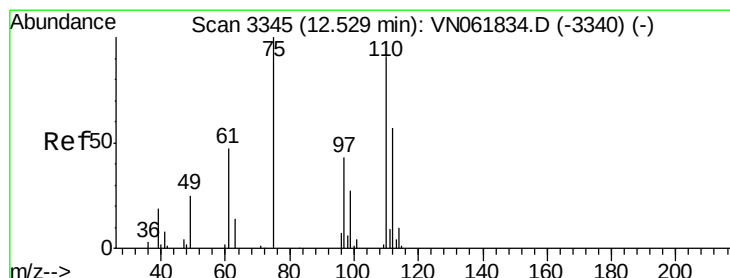
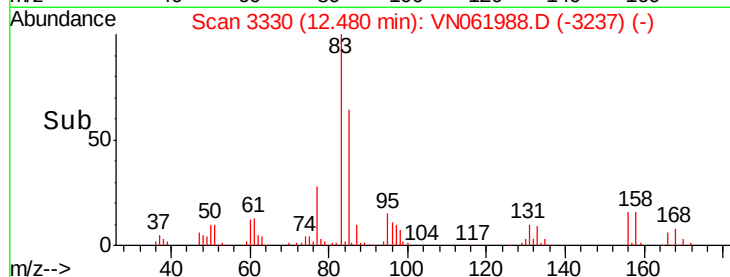
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 73.299 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061988.D

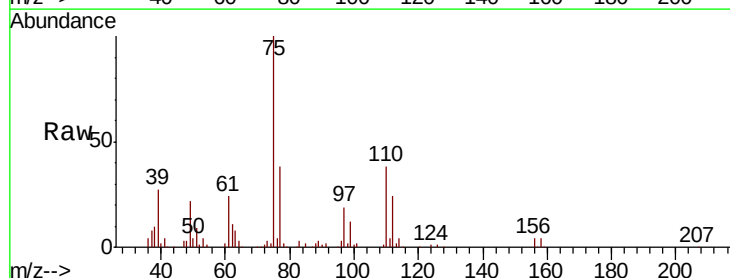
Acq: 20 Jun 2020 9:41

Tgt Ion: 75 Resp: 174072

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061988.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061988.D (-3252) (-)

120000

100000

80000

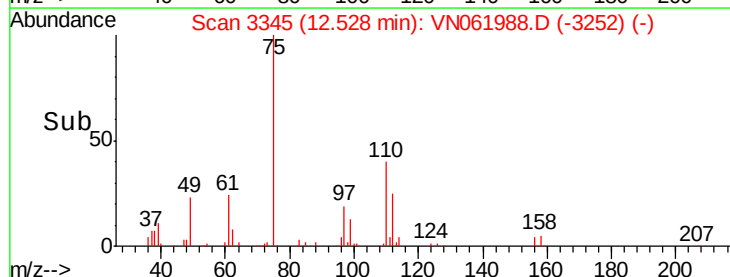
60000

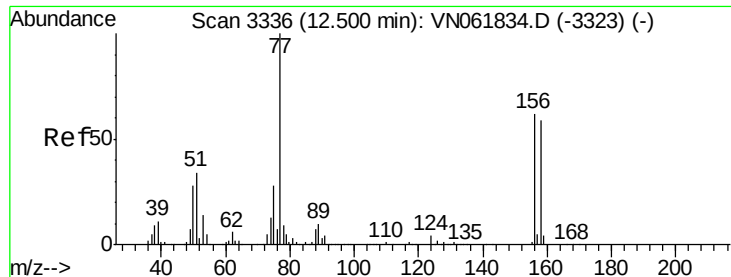
40000

20000

0

Time--> 12.40 12.50 12.60





#77

Bromobenzene

Concen: 50.982 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

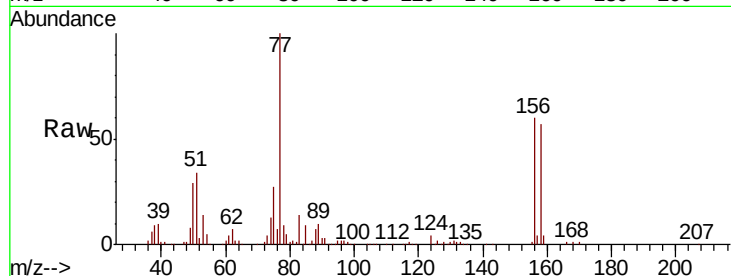
Tot Ion:156 Resp: 110561

Ion Ratio Lower Upper

156 100

77 203.7 100.7 302.1

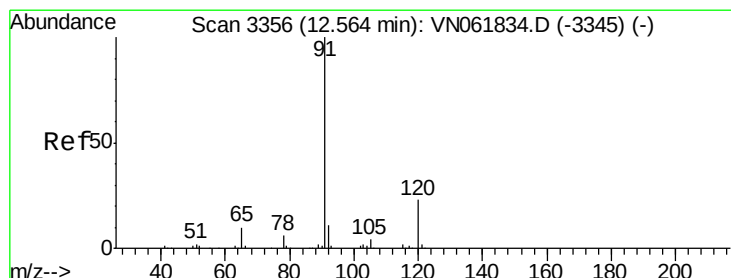
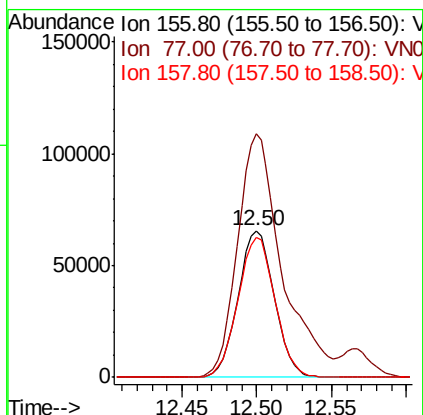
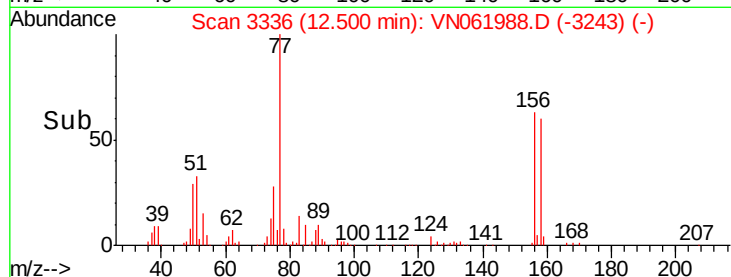
158 97.5 48.5 145.5



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: 51.747 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061988.D

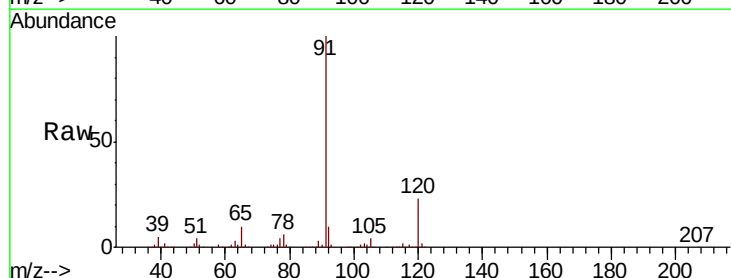
Acq: 20 Jun 2020 9:41

Tgt Ion: 91 Resp: 507546

Ion Ratio Lower Upper

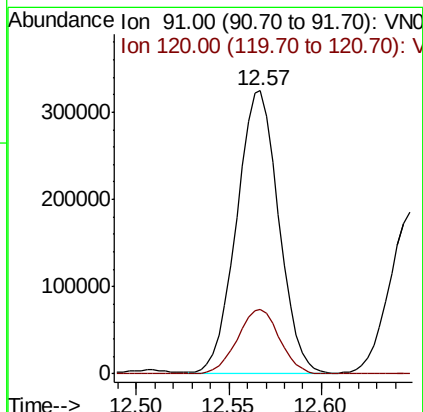
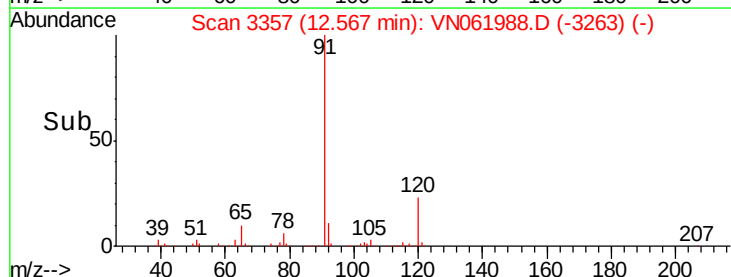
91 100

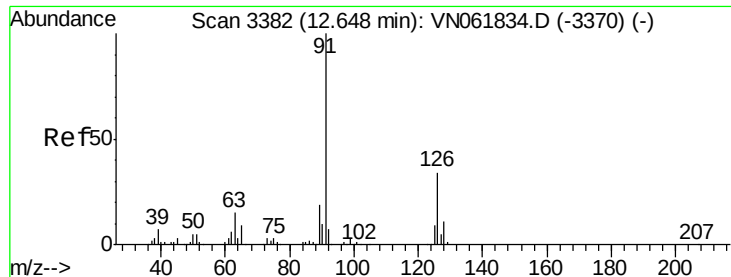
120 23.0 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.824 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

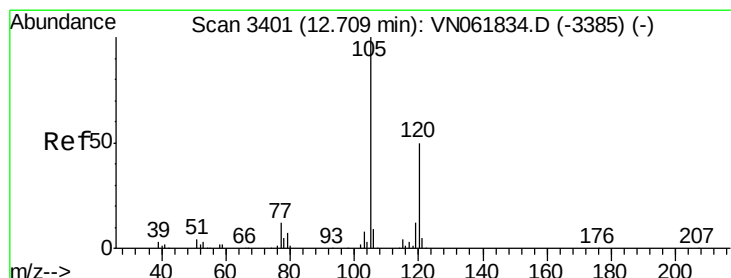
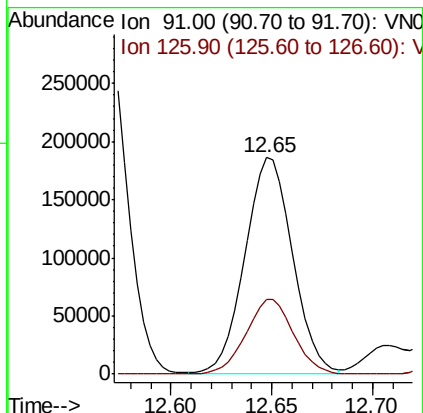
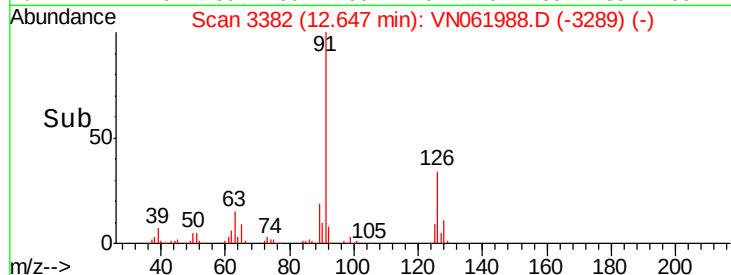
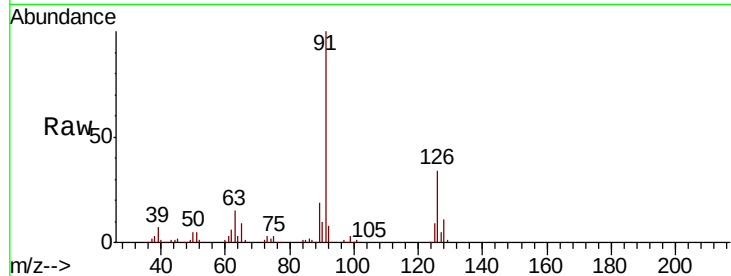
VSTDCCC050EC

Tot Ion: 91 Resp: 305281

Ion Ratio Lower Upper

91 100

126 34.9 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 52.998 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061988.D

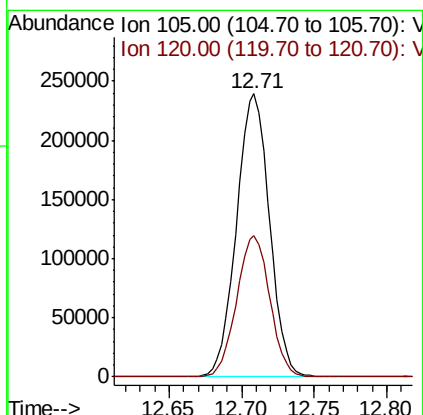
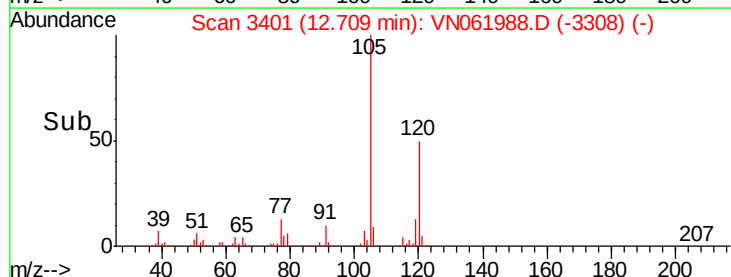
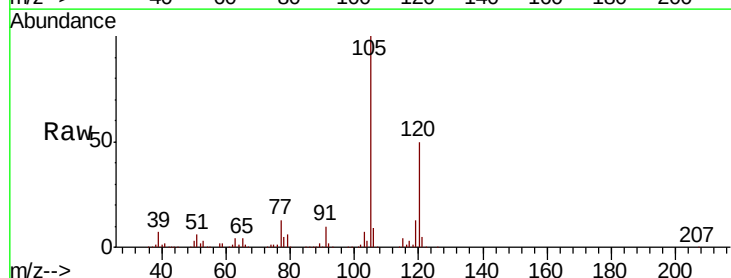
Acq: 20 Jun 2020 9:41

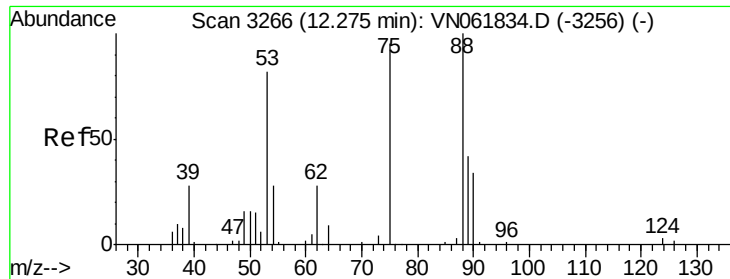
Tgt Ion: 105 Resp: 376900

Ion Ratio Lower Upper

105 100

120 50.4 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 47.098 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

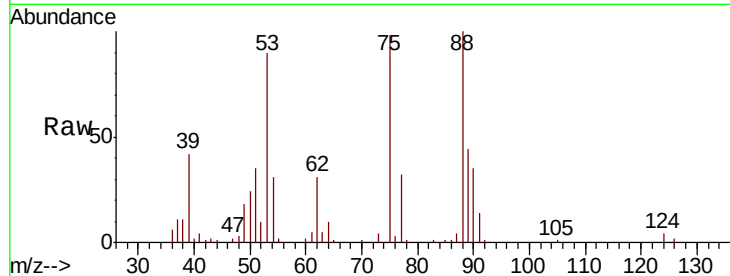
Tot Ion: 75 Resp: 41009

Ion Ratio Lower Upper

75 100

53 88.9 70.4 105.6

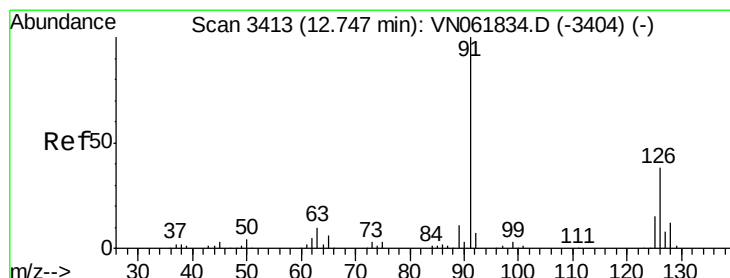
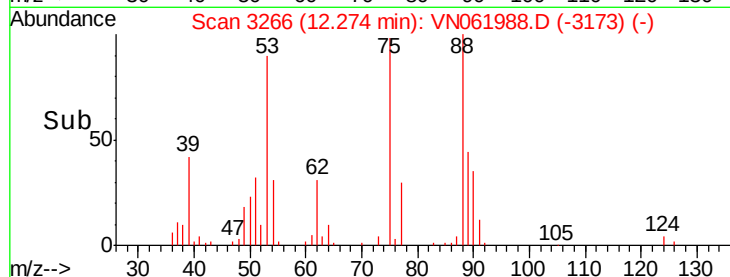
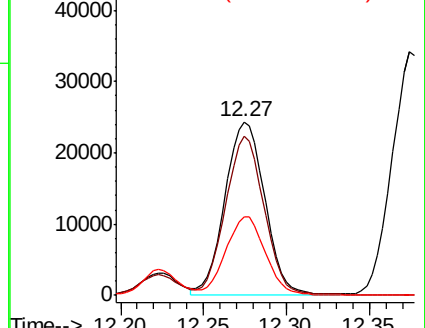
89 44.8 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 51.915 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061988.D

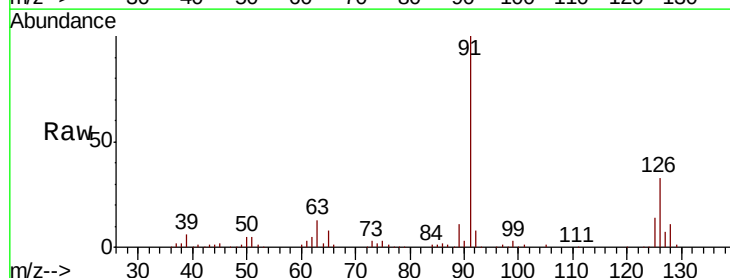
Acq: 20 Jun 2020 9:41

Tgt Ion: 91 Resp: 316006

Ion Ratio Lower Upper

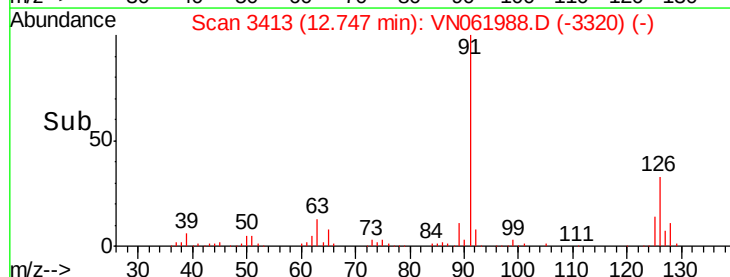
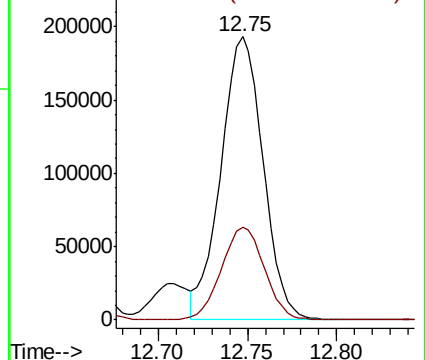
91 100

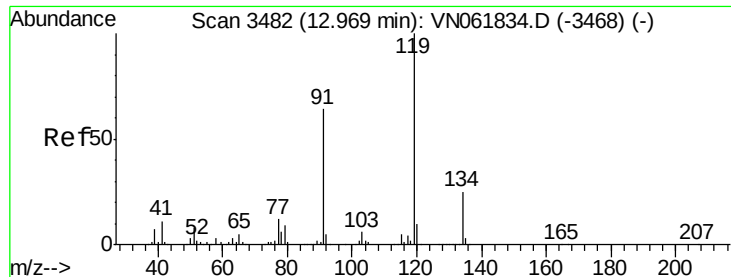
126 33.7 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

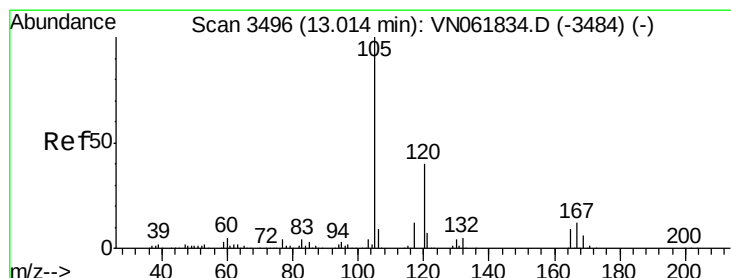
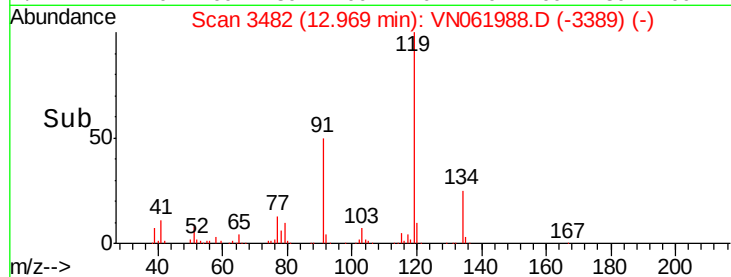
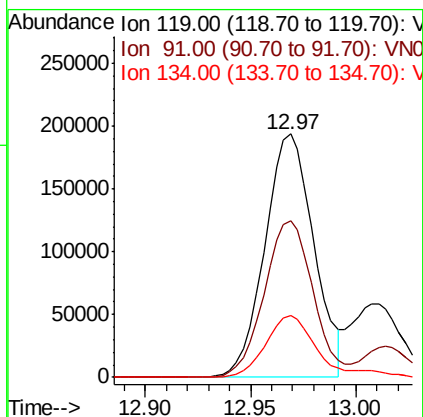
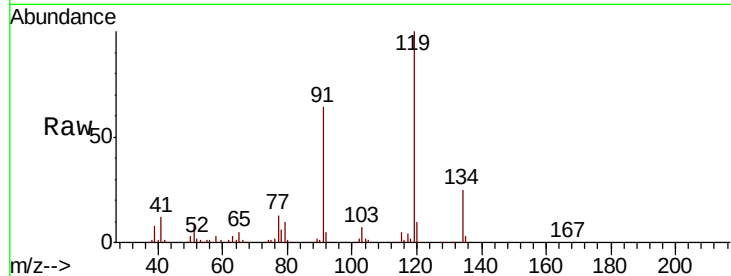




#83
 tert-Butylbenzene
 Concen: 51.911 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

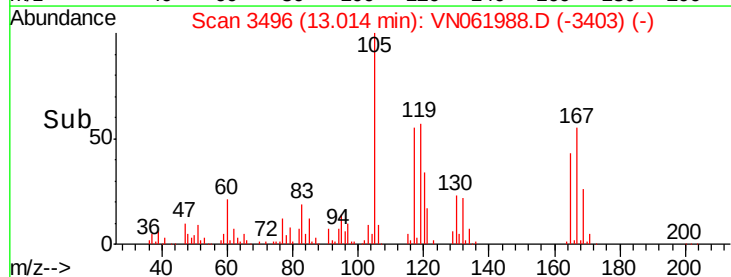
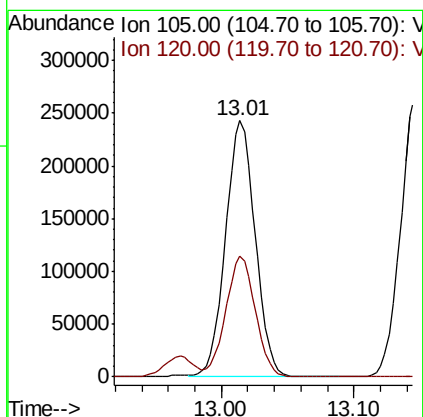
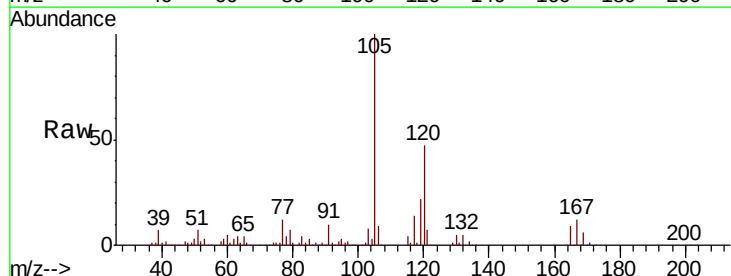
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

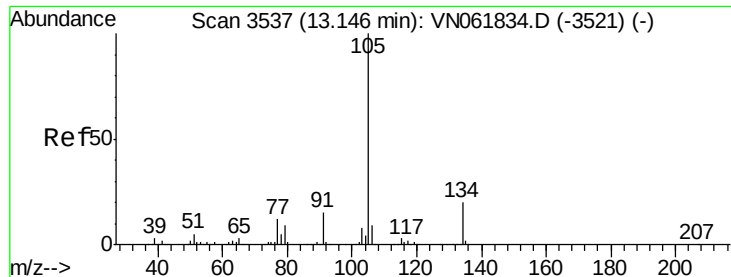
Tot Ion:119 Resp: 312966
 Ion Ratio Lower Upper
 119 100
 91 63.9 31.5 94.5
 134 27.1 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 53.640 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion:105 Resp: 376553
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.3 69.9





#85

sec-Butylbenzene

Concen: 53.008 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

Instrument :

MSVOA_N

ClientSampleId :

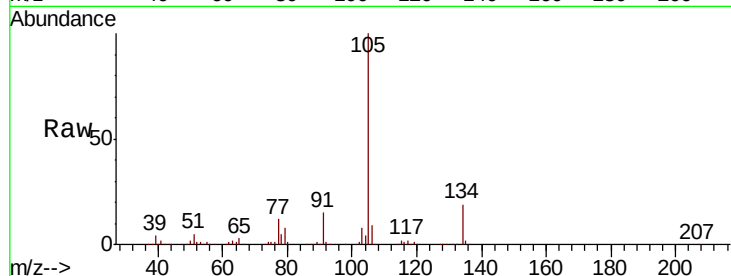
VSTDCCC050EC

Tot Ion:105 Resp: 418297

Ion Ratio Lower Upper

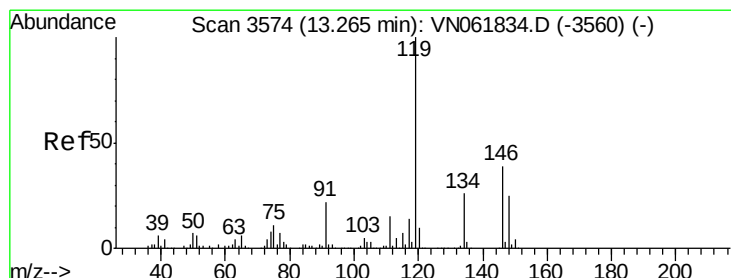
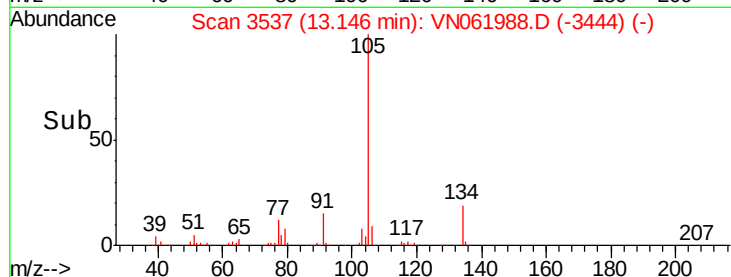
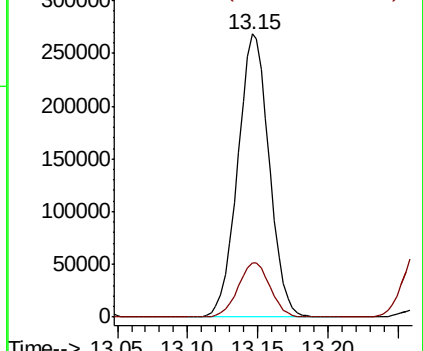
105 100

134 19.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.469 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061988.D

Acq: 20 Jun 2020 9:41

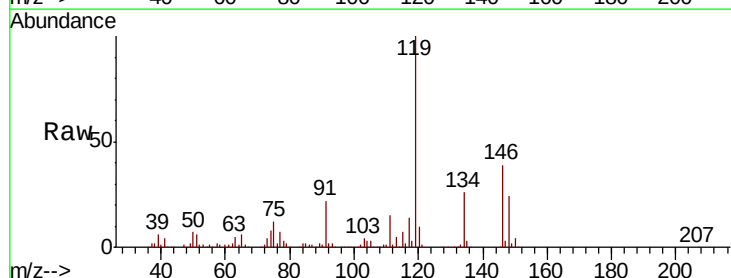
Tgt Ion:119 Resp: 375976

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

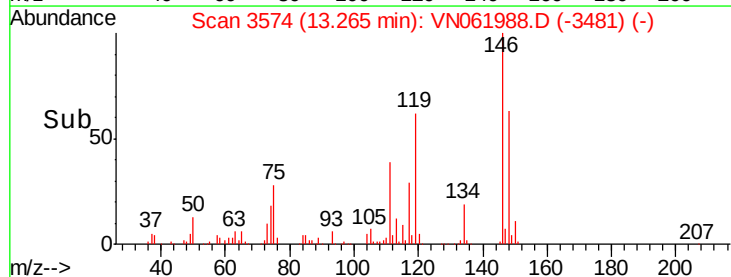
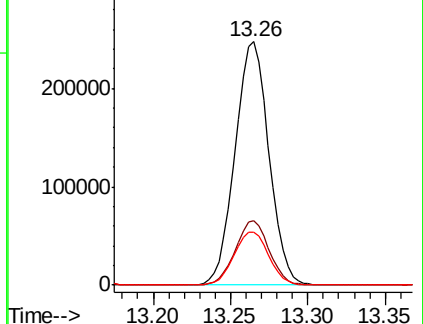
91 22.7 11.2 33.6

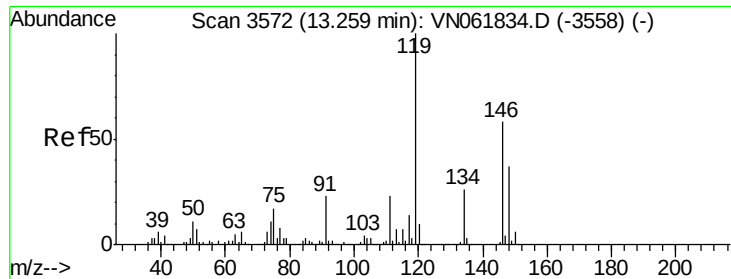


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

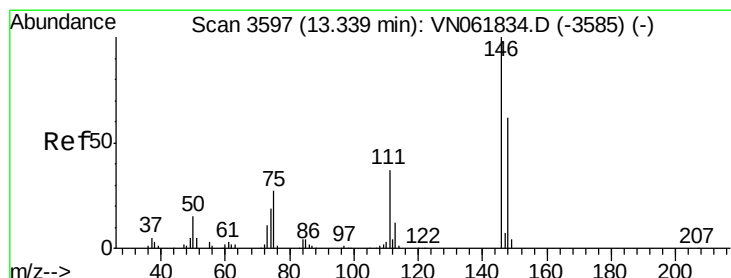
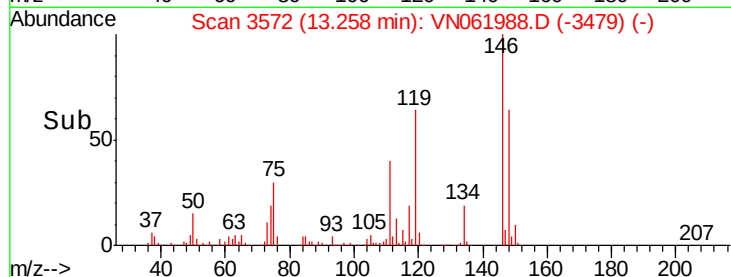
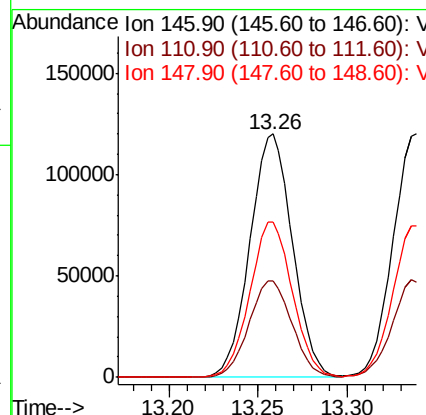
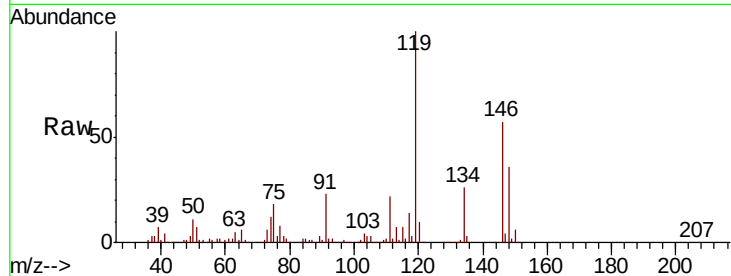




#87
 1,3-Dichlorobenzene
 Concen: 50.648 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

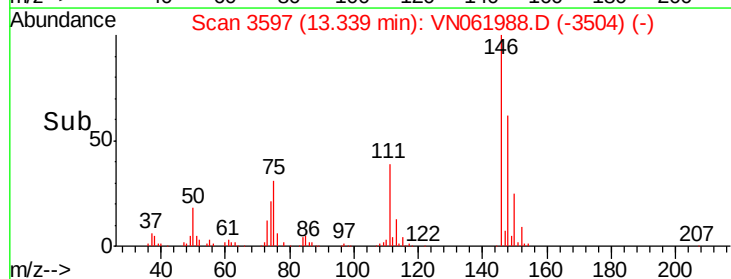
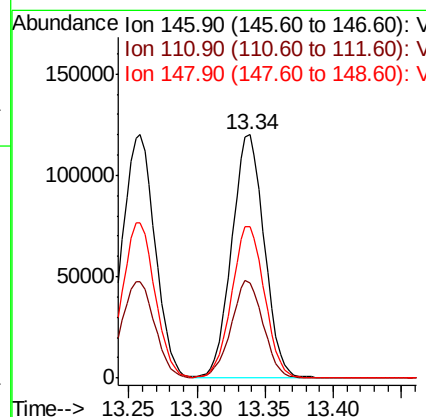
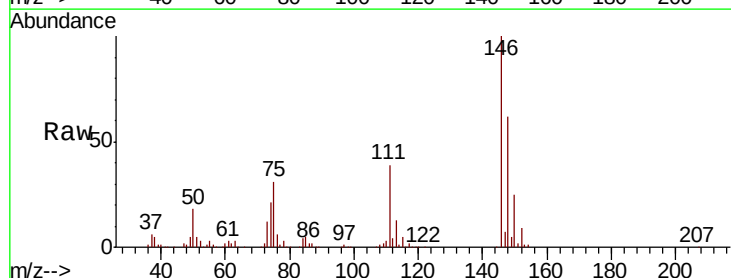
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

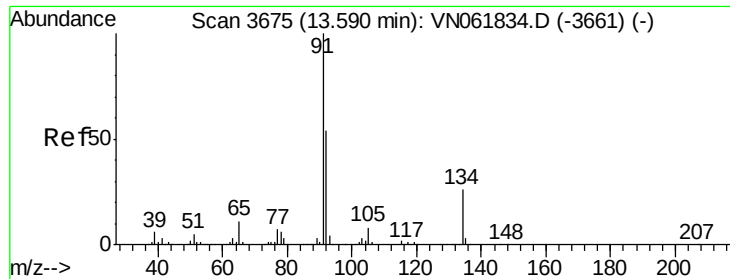
Tot Ion:146 Resp: 200325
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.6 58.8
 148 63.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.018 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion:146 Resp: 198456
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.3 57.8
 148 63.2 31.6 94.7

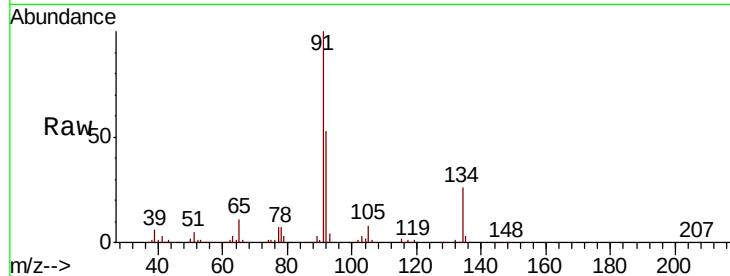




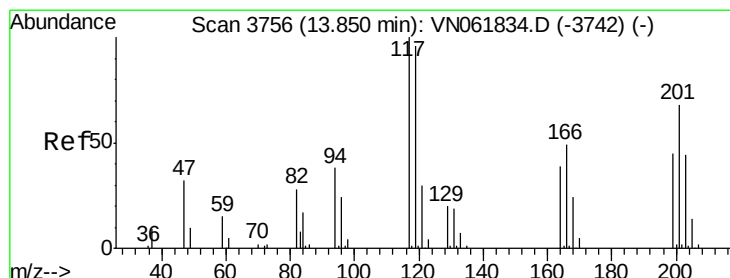
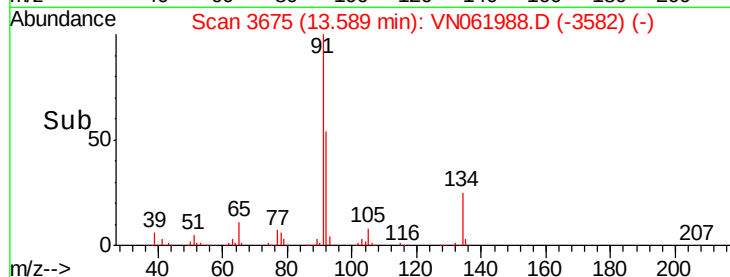
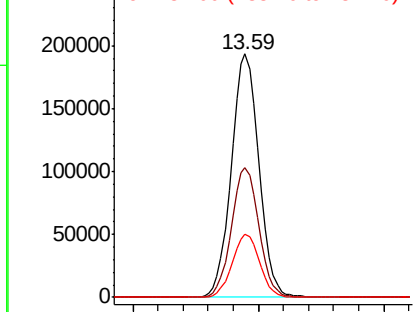
#89
n-Butylbenzene
Concen: 50.206 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 294835
Ion Ratio Lower Upper
91 100
92 53.1 27.0 80.8
134 25.7 13.0 39.0

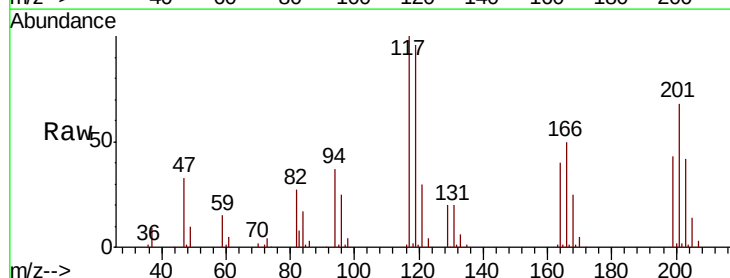


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

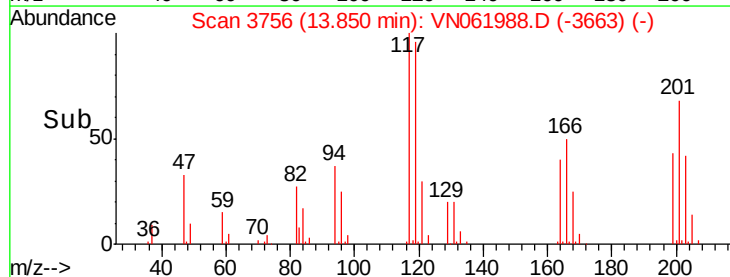
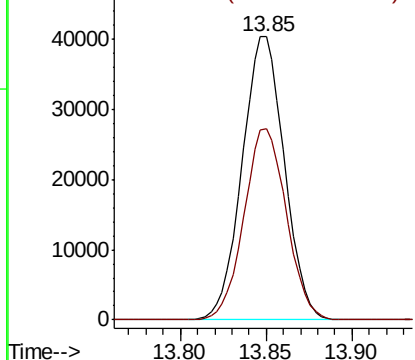


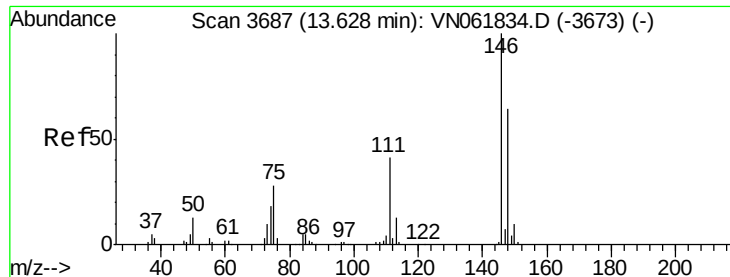
#90
Hexachloroethane
Concen: 53.281 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion: 117 Resp: 68581
Ion Ratio Lower Upper
117 100
201 68.0 34.6 103.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

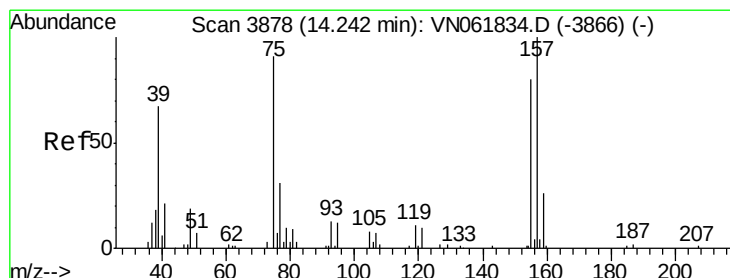
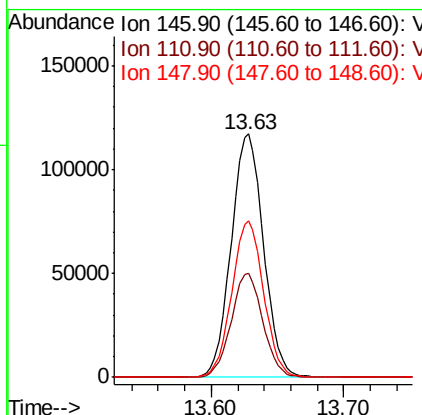
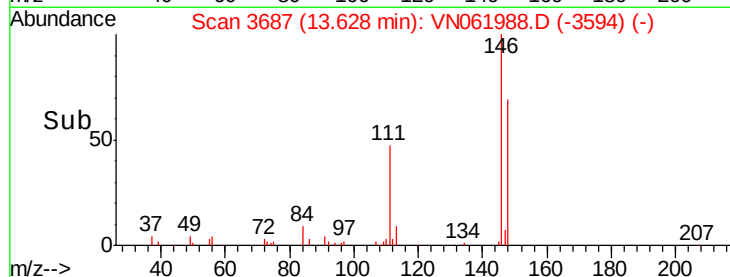
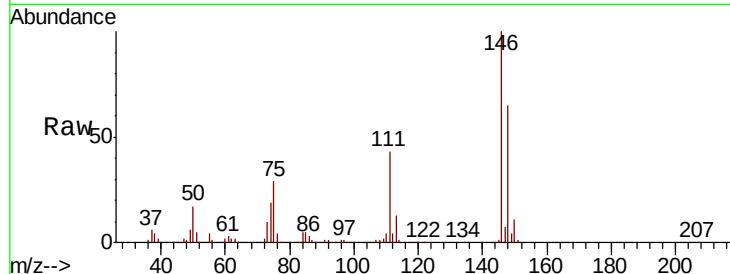




#91
 1,2-Dichlorobenzene
 Concen: 52.074 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

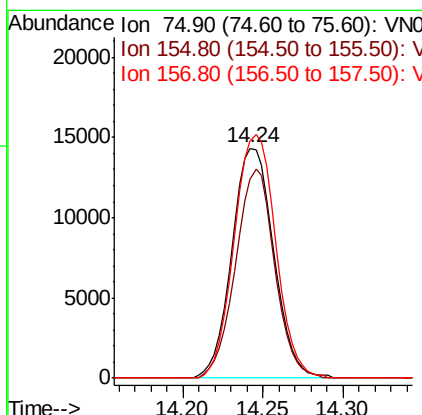
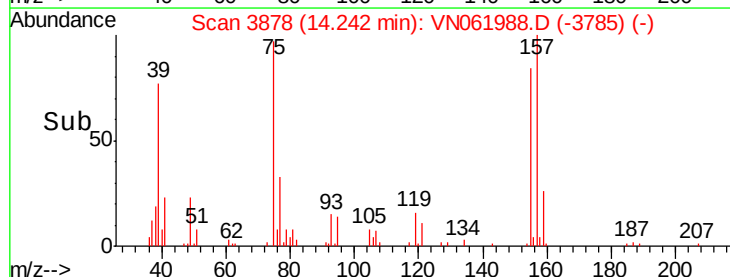
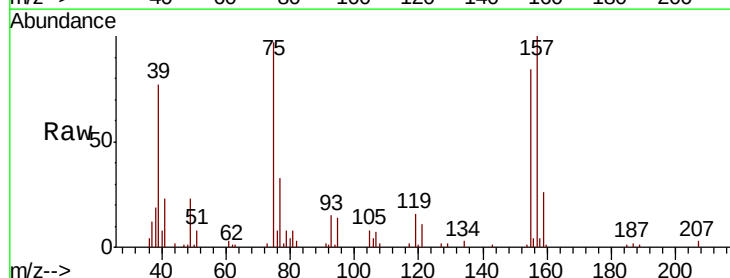
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

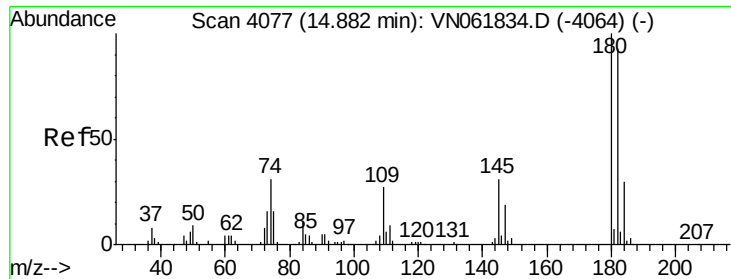
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.2
148	63.2	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.268 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	44.4	133.2
157	105.3	57.0	171.2

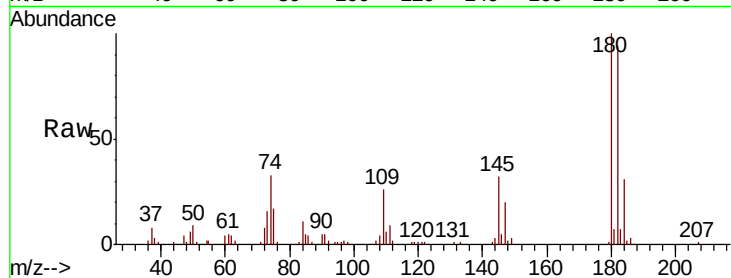




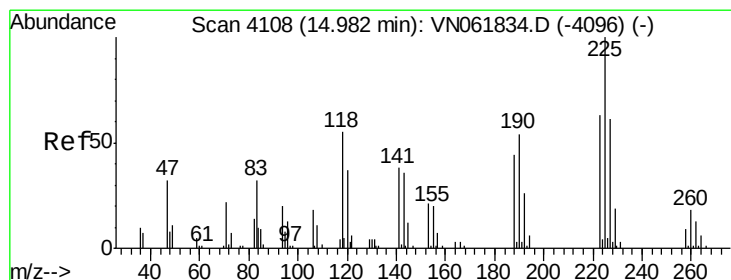
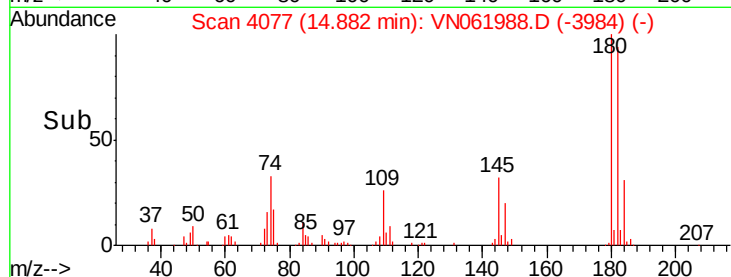
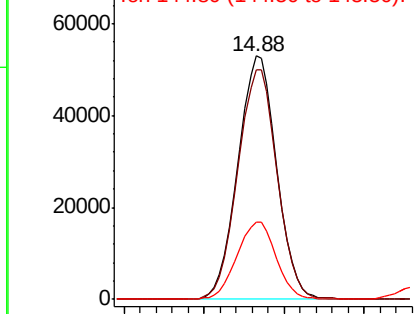
#93
 1,2,4-Trichlorobenzene
 Concen: 48.444 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 87043
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.0 141.2
 145 32.2 15.8 47.3

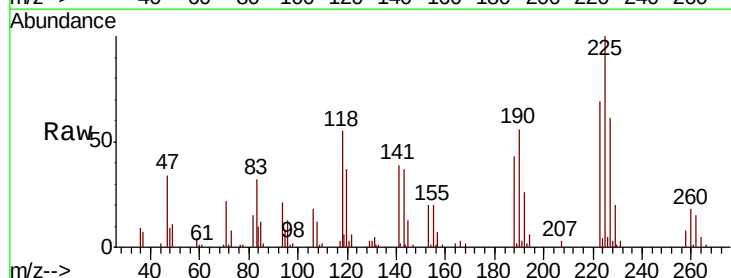


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

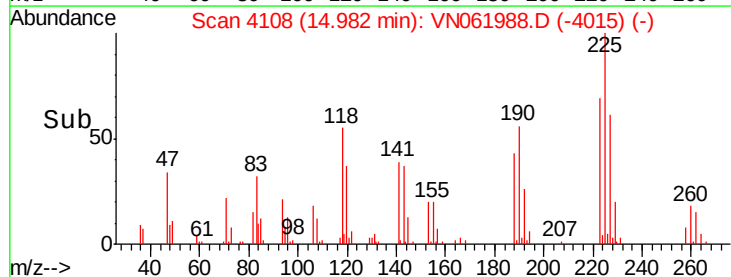
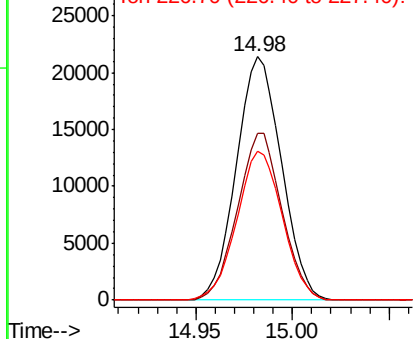


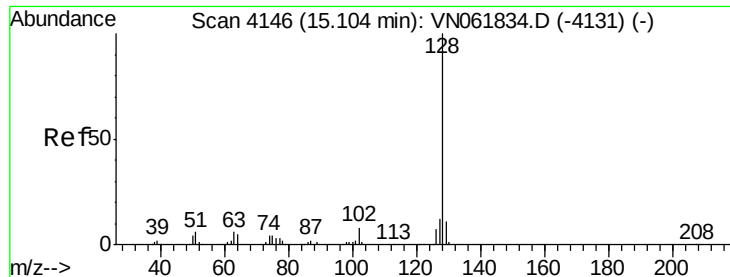
#94
 Hexachlorobutadiene
 Concen: 49.089 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061988.D
 Acq: 20 Jun 2020 9:41

Tgt Ion:225 Resp: 34739
 Ion Ratio Lower Upper
 225 100
 223 67.1 31.7 95.1
 227 61.6 30.1 90.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

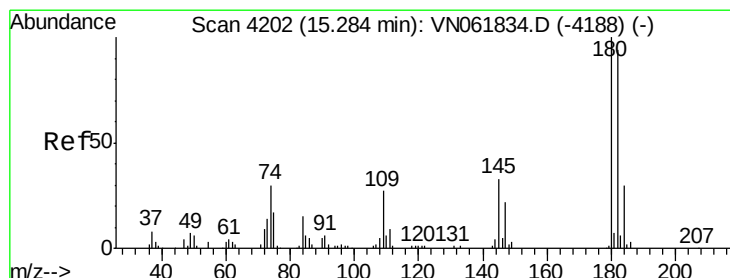
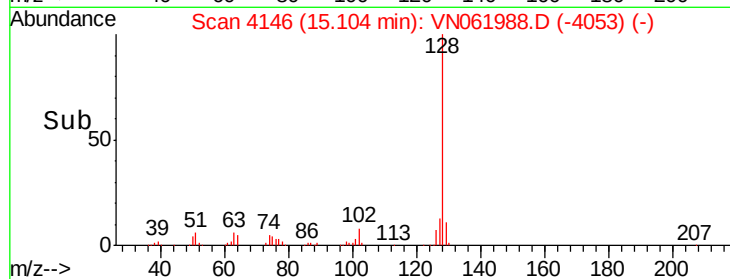
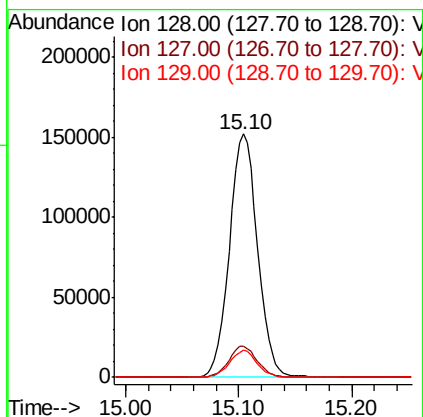
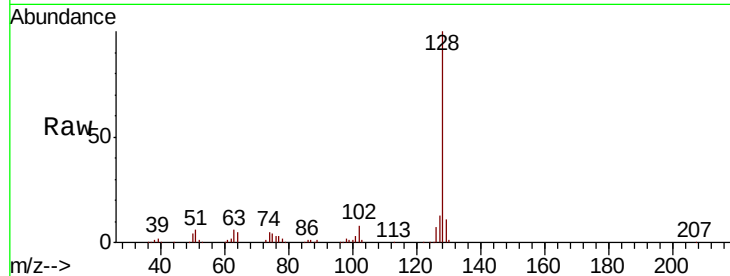




#95
Naphthalene
Concen: 44.217 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 263450
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.484 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061988.D
Acq: 20 Jun 2020 9:41

Tgt Ion:180 Resp: 89835
Ion Ratio Lower Upper
180 100
182 94.6 47.9 143.6
145 33.7 16.5 49.5

