

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061020\
 Data File : VN061733.D
 Acq On : 10 Jun 2020 12:04
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Jun 10 12:27:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	66676	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	383216	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	362235	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	128603	23.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	76.83%
60) 4-Bromofluorobenzene	12.38	95	165005	27.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.13%
63) Toluene-d8	10.06	98	457794	27.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	92.33%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	443027	148.51	ug/l	99
3) Chloromethane	2.03	50	512186	101.19	ug/l	99
4) Vinyl Chloride	2.16	62	732793	107.82	ug/l	99
5) Bromomethane	2.57	94	8114	2.25	ug/l	85
6) Chloroethane	2.66	64	503256	109.42	ug/l	100
7) Trichlorofluoromethane	2.98	101	1005149	130.26	ug/l	98
8) Diethyl Ether	3.37	74	343715	142.42	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	524785	157.34	ug/l	97
10) 1,1-Dichloroethene	3.69	96	545578	156.59	ug/l	96
11) Methyl Iodide	3.91	142	789256	198.47	ug/l	97
12) Methyl Acetate	4.27	43	441270	111.54	ug/l	99
13) Acrolein	3.56	56	261270	399.90	ug/l	97
14) Acrylonitrile	4.93	53	1120010	598.84	ug/l #	92
15) Acetone	3.77	58	296966	635.55	ug/l	93
16) Carbon Disulfide	4.01	76	1111158	118.65	ug/l	98
17) Allyl chloride	4.27	41	579321	89.46	ug/l	97
18) Methylene Chloride	4.50	84	602777	143.73	ug/l	96
19) trans-1,2-Dichloroethene	4.99	96	616659	149.75	ug/l	97
20) Diisopropyl ether	5.90	45	1476105	98.21	ug/l	95
21) 1,1-Dichloroethane	5.80	63	963280	118.92	ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	705596	147.79	ug/l	98
23) tert-Butyl Alcohol	4.74	59	438055	717.60	ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	1734938	128.23	ug/l #	77
25) Chloroform	7.33	83	1080784	134.73	ug/l	98
26) Cyclohexane	7.61	56	797045	105.87	ug/l #	99
29) 1,1-Dichloropropene	7.75	75	798708	125.90	ug/l	100
30) 2-Butanone	6.78	43	1342632	517.04	ug/l	99
31) 2,2-Dichloropropane	6.77	77	888260	119.62	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	975036	134.29	ug/l	99
33) Carbon Tetrachloride	7.73	117	835498	148.45	ug/l	96
34) Benzene	8.00	78	2430916	133.61	ug/l #	90
35) Methacrylonitrile	7.13	41	242418	97.19	ug/l #	80
36) 1,2-Dichloroethane	8.08	62	775251	114.42	ug/l	98
37) Trichloroethene	8.80	130	764607	163.13	ug/l	100
38) Methylcyclohexane	9.05	83	927228	122.88	ug/l	99
39) 1,2-Dichloropropane	9.08	63	574974	118.15	ug/l	98
40) Dibromomethane	9.17	93	434162	138.80	ug/l	98

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 Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
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 ClientSampleId :
 VSTDICC150

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	881928	132.05	ug/l	98
42) Vinyl Acetate	5.84	43	5570724	457.48	ug/l	99
43) Ethyl Acetate	6.88	43	571128	106.40	ug/l	99
44) Isopropyl Acetate	8.13	43	1024349	96.79	ug/l	100
45) 1,4-Dioxane	9.17	88	211414	4298.76	ug/l	96
46) Methyl methacrylate	9.17	41	454736	92.49	ug/l	99
47) n-amyl Acetate	12.05	43	931840	99.69	ug/l	95
48) t-1,3-Dichloropropene	10.35	75	967434	125.66	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	1030703	125.21	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	623302	143.51	ug/l	98
51) Ethyl methacrylate	10.40	69	901773	126.78	ug/l	98
52) 1,3-Dichloropropane	10.68	76	1009242	131.22	ug/l	99
53) Dibromochloromethane	10.88	129	758223	157.32	ug/l	100
54) 1,2-Dibromoethane	10.98	107	672205	149.62	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	1816338	591.33	ug/l	100
56) Bromoform	12.10	173	560180	181.82	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	2890743	484.95	ug/l	99
59) 2-Hexanone	10.72	43	2124480	503.05	ug/l	99
61) Tetrachloroethene	10.60	164	857126	182.89	ug/l	95
62) Toluene	10.12	91	2699206	132.87	ug/l	96
64) Chlorobenzene	11.41	112	1756835	144.29	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	675582	150.98	ug/l	99
66) Ethyl Benzene	11.48	91	2999044	129.98	ug/l	95
67) m/p-Xylenes	11.60	106	2447101	283.28	ug/l	90
68) o-Xylene	11.92	106	1176081	143.13	ug/l	99
69) Styrene	11.94	104	2042209	144.79	ug/l	100
70) Isopropylbenzene	12.22	105	3010340	135.57	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	759522	125.31	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	1057495	184.67	ug/l	65
73) Bromobenzene	12.50	156	829944	171.64	ug/l	98
74) n-propylbenzene	12.57	91	3337371	127.34	ug/l	97
75) 2-Chlorotoluene	12.65	91	2017795	134.31	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	2548501	136.98	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	306469	129.59	ug/l	94
78) 4-Chlorotoluene	12.75	91	2134064	135.36	ug/l	99
79) tert-butylbenzene	12.97	119	2201960	142.13	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	2558128	137.15	ug/l	99
81) sec-Butylbenzene	13.15	105	2821834	133.12	ug/l	98
82) p-Isopropyltoluene	13.26	119	2656094	138.50	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	1462961	163.72	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	1461738	166.20	ug/l	98
85) n-Butylbenzene	13.59	91	2230247	128.08	ug/l	98
86) Hexachloroethane	13.85	117	375794	142.01	ug/l	93
87) 1,2-Dichlorobenzene	13.63	146	1356609	160.30	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	152465	121.63	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	886157	183.84	ug/l	99
90) Hexachlorobutadiene	14.98	225	354281	175.50	ug/l	98
91) Naphthalene	15.10	128	2480926	167.01	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	854127	180.94	ug/l	99

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :
VSTDICC150

Quant Time: Jun 10 12:27:46 2020
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 10 11:59:42 2020
Response via : Initial Calibration

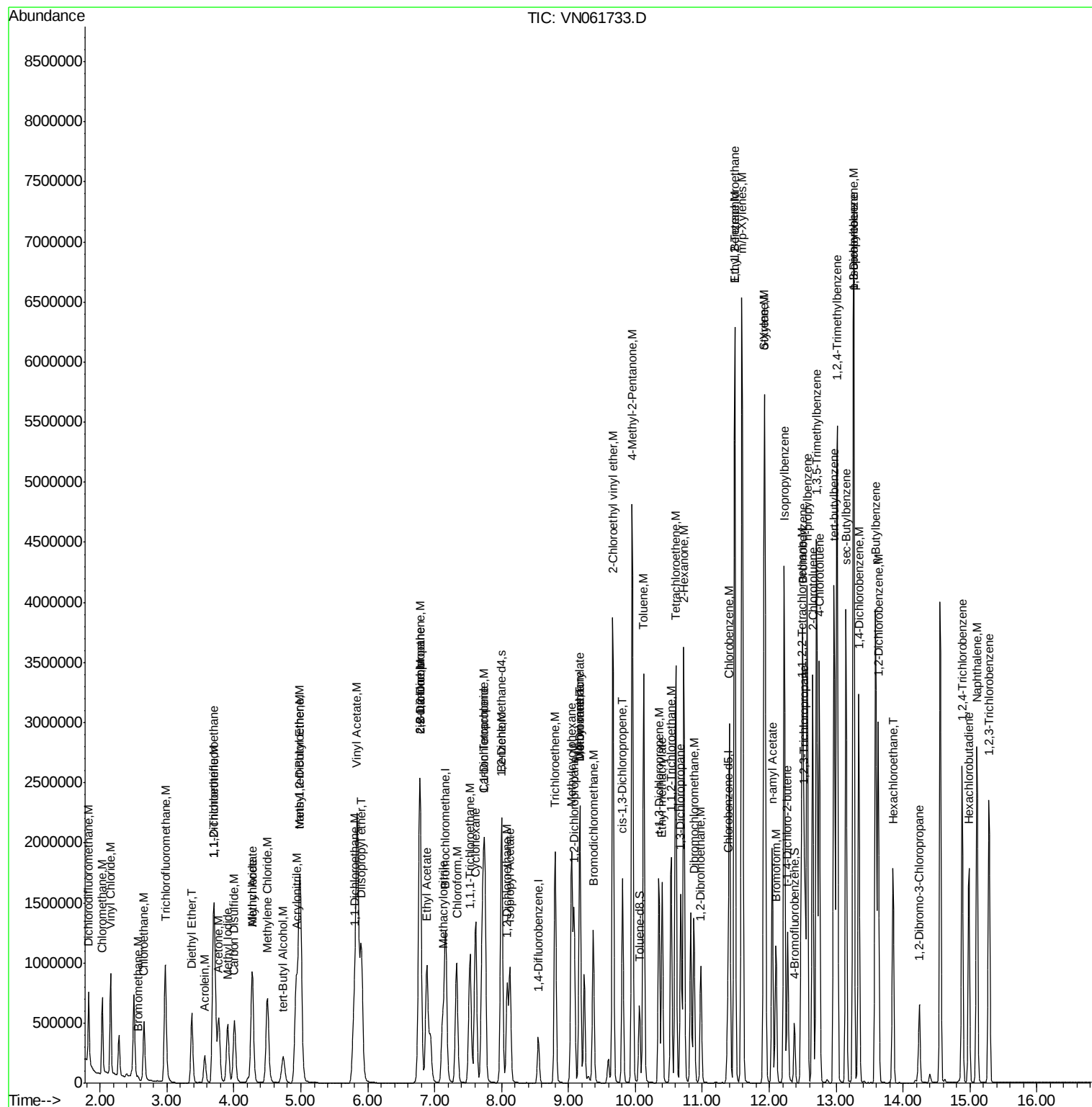
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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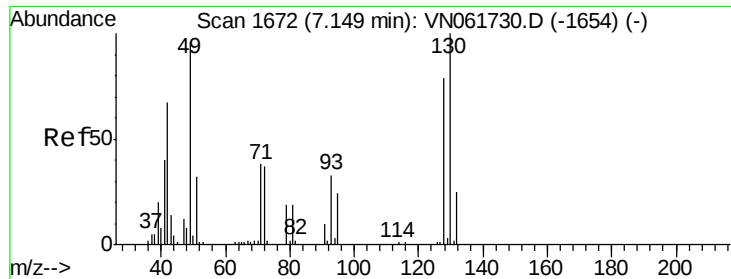
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN061733.D
Acq On : 10 Jun 2020 12:04
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Quant Time: Jun 10 12:27:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N061020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 10 11:59:42 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

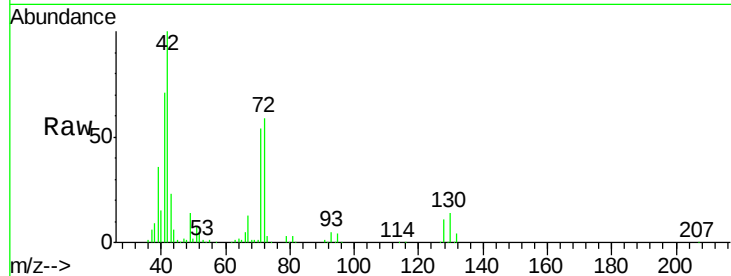
Tgt Ion:128 Resp: 66676

Ion Ratio Lower Upper

128 100

49 131.1 0.0 312.3

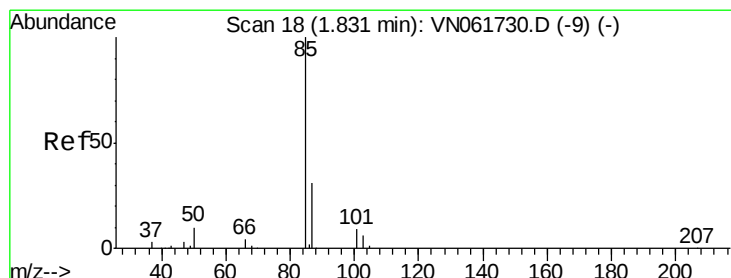
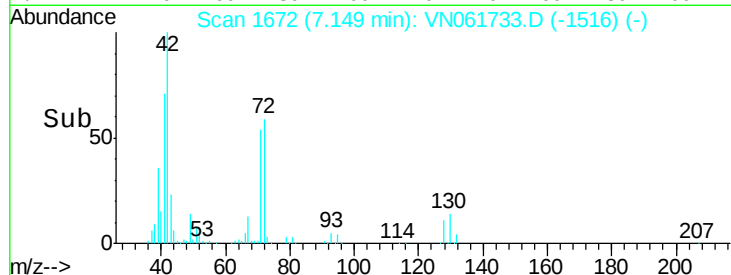
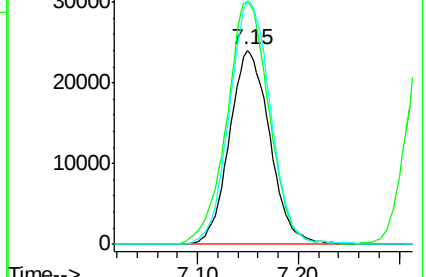
130 127.4 0.0 328.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 148.51 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061733.D

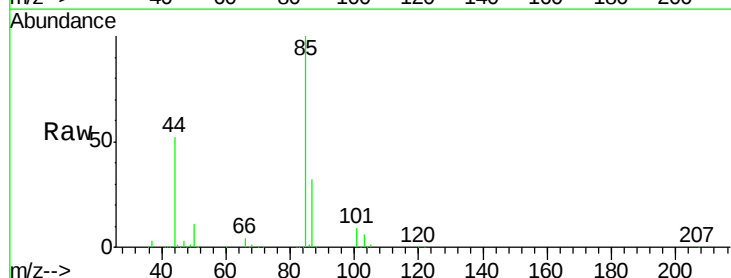
Acq: 10 Jun 2020 12:04

Tgt Ion: 85 Resp: 443027

Ion Ratio Lower Upper

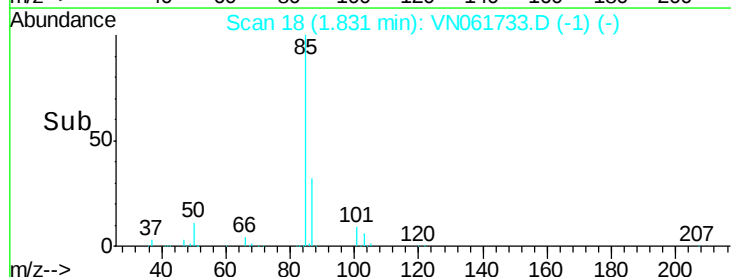
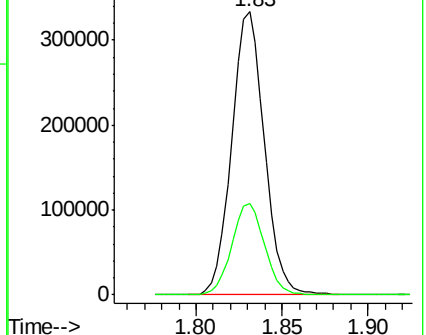
85 100

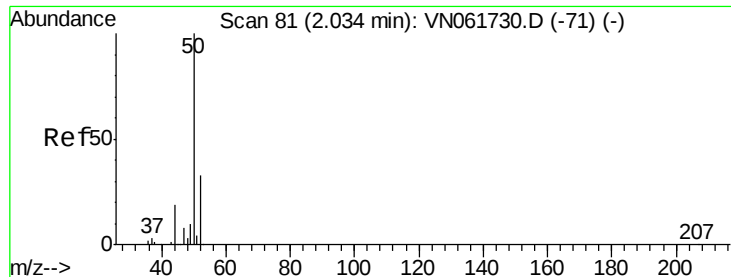
87 32.2 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 101.19 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

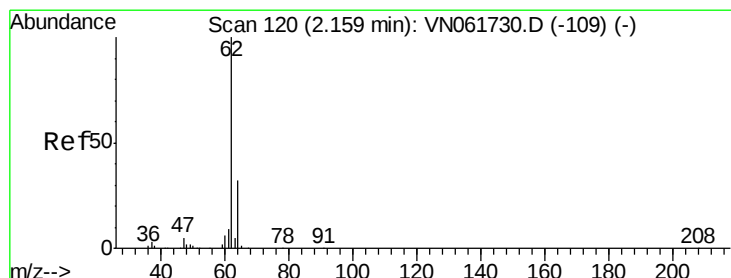
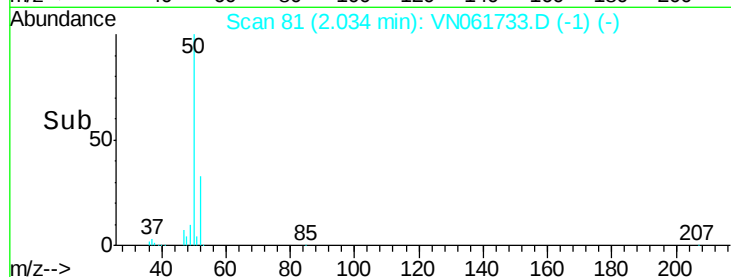
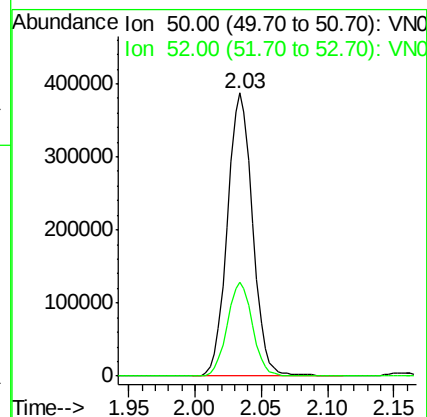
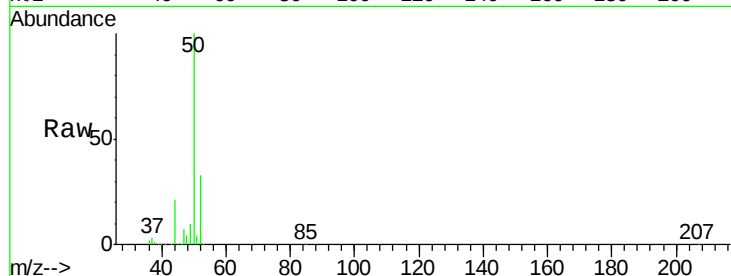
VSTDIC150

Tgt Ion: 50 Resp: 512186

Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.2



#4

Vinyl Chloride

Concen: 107.82 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061733.D

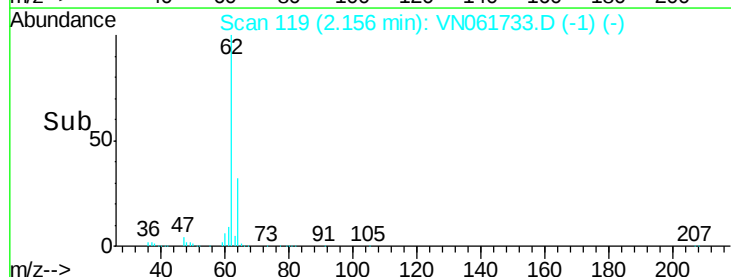
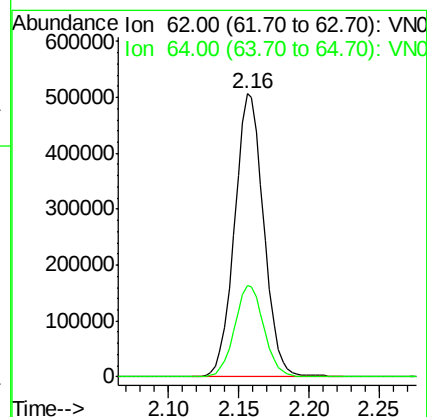
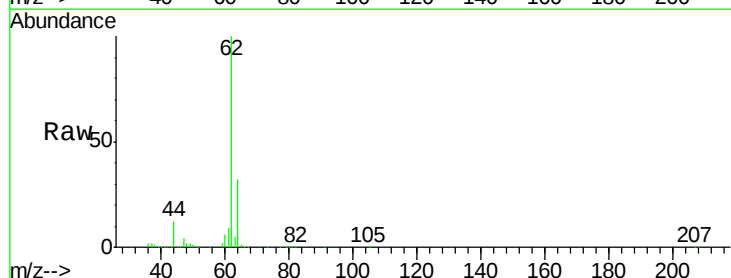
Acq: 10 Jun 2020 12:04

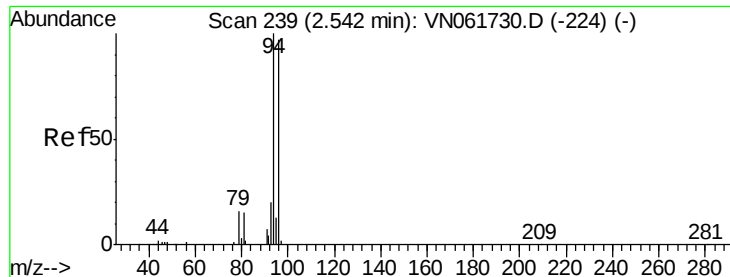
Tgt Ion: 62 Resp: 732793

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 2.25 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.03 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

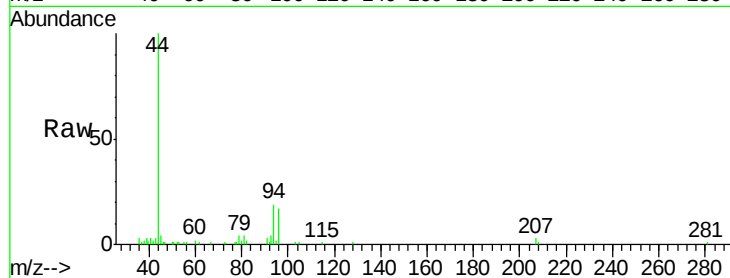
VSTDIC150

Tgt Ion: 94 Resp: 8114

Ion Ratio Lower Upper

94 100

96 82.1 77.4 116.2



Abundance Ion 94.00 (93.70 to 94.70): VN061733.D (-248) (-)

Ion 96.00 (95.70 to 96.70): VN061733.D (-248) (-)

200000

150000

100000

50000

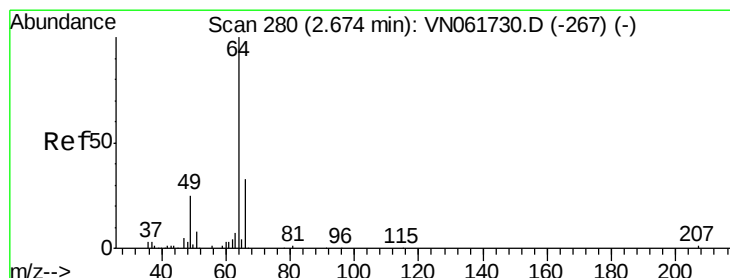
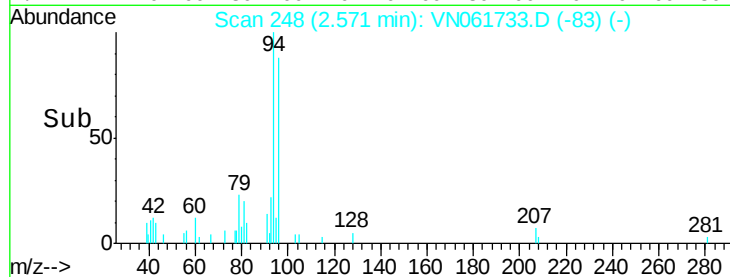
0

2.55

2.60

2.57

Time-->



#6

Chloroethane

Concen: 109.42 ug/l

RT: 2.66 min Scan# 275

Delta R.T. -0.02 min

Lab File: VN061733.D

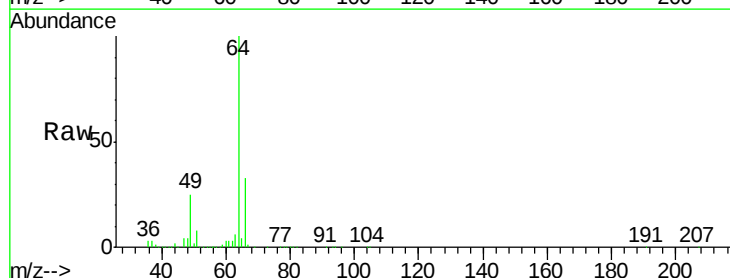
Acq: 10 Jun 2020 12:04

Tgt Ion: 64 Resp: 503256

Ion Ratio Lower Upper

64 100

66 33.2 26.6 39.8



Abundance Ion 64.00 (63.70 to 64.70): VN061733.D (-275) (-)

Ion 66.00 (65.70 to 66.70): VN061733.D (-275) (-)

250000

200000

150000

100000

50000

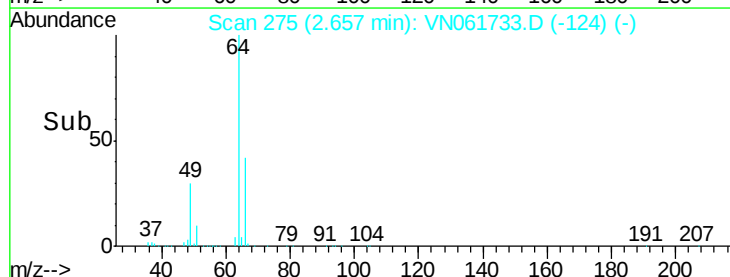
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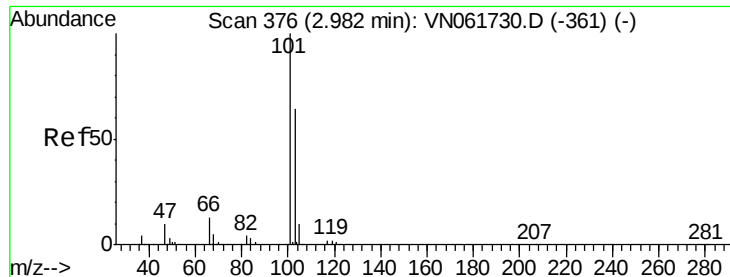
2.60

2.70

2.66

Time-->



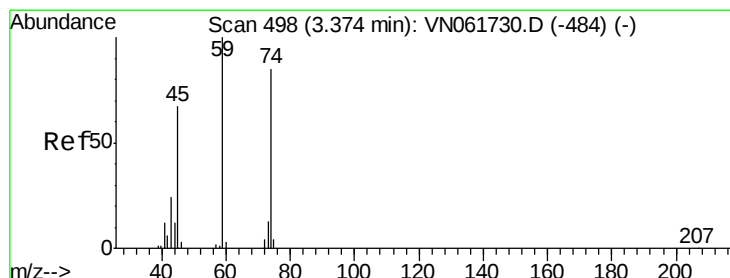
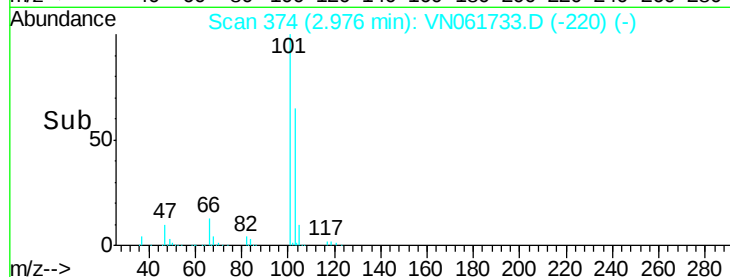
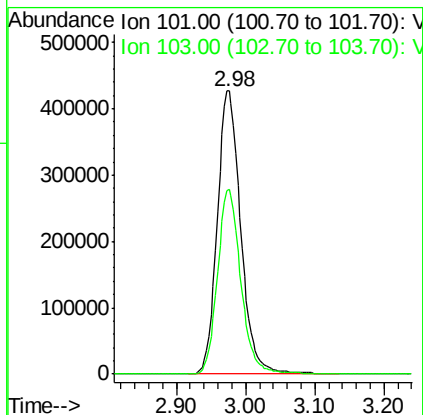
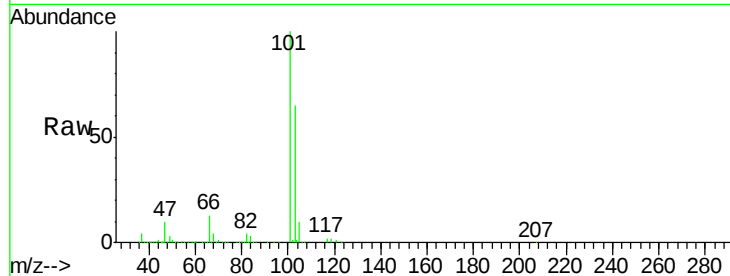


#7

Trichlorofluoromethane
 Concen: 130.26 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.01 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

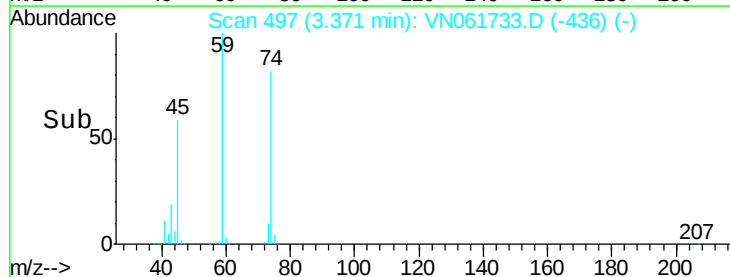
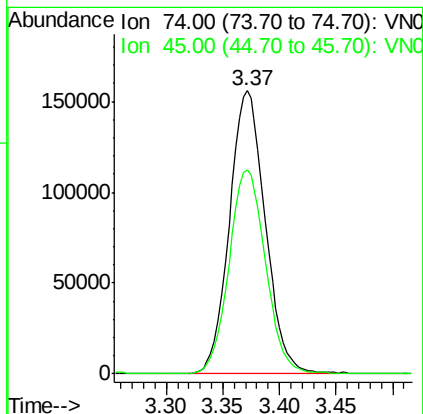
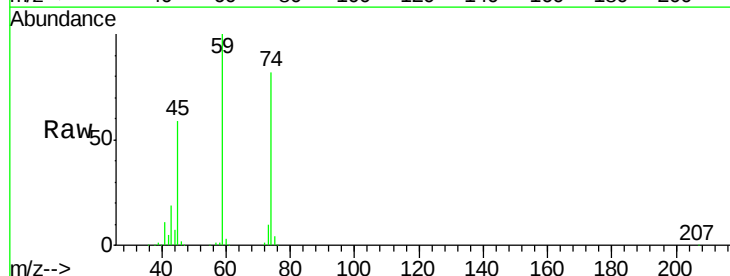
Tgt Ion: 101 Resp: 1005149
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.1 76.7

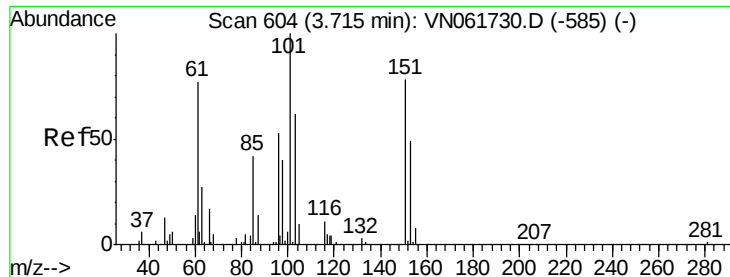


#8

Diethyl Ether
 Concen: 142.42 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion: 74 Resp: 343715
 Ion Ratio Lower Upper
 74 100
 45 73.4 15.4 138.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 157.34 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

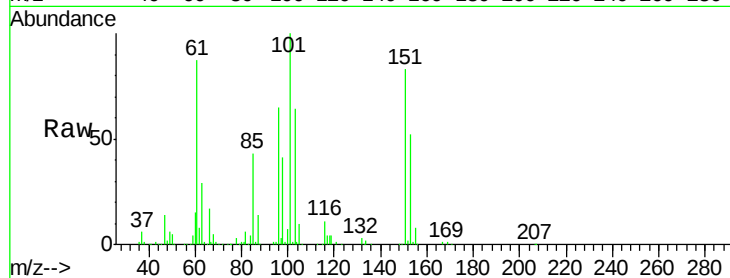
Tgt Ion: 101 Resp: 524785

Ion Ratio Lower Upper

101 100

85 42.7 0.0 84.8

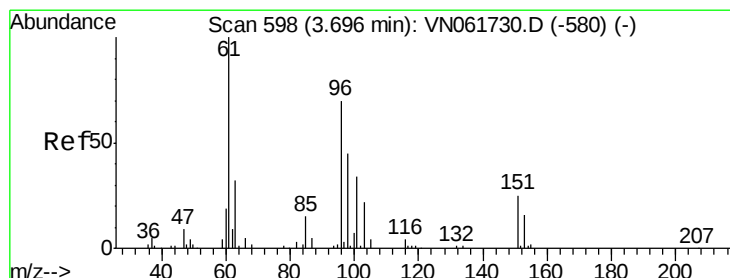
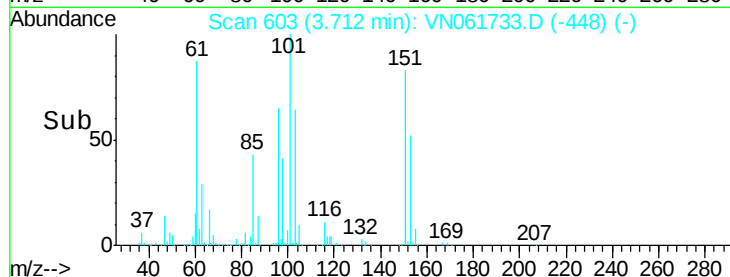
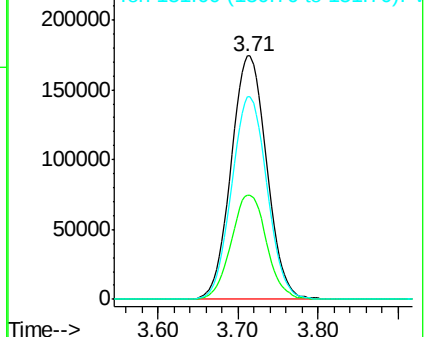
151 82.9 0.0 159.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 156.59 ug/l

RT: 3.69 min Scan# 597

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

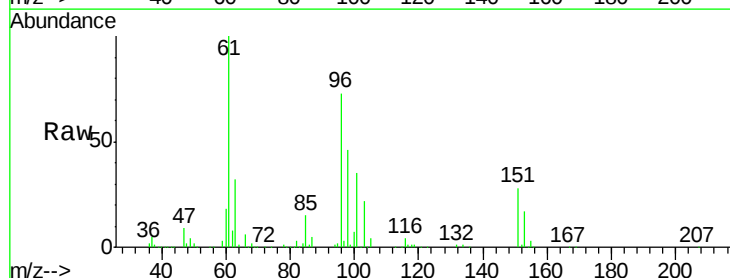
Tgt Ion: 96 Resp: 545578

Ion Ratio Lower Upper

96 100

61 137.6 114.9 172.3

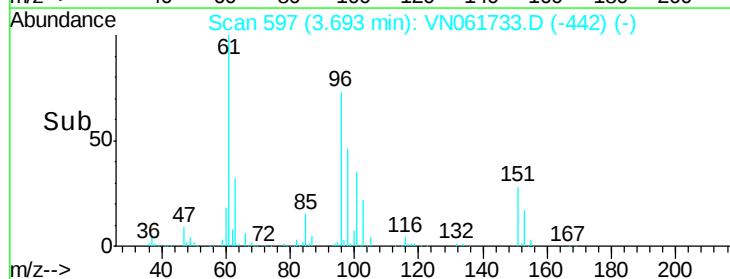
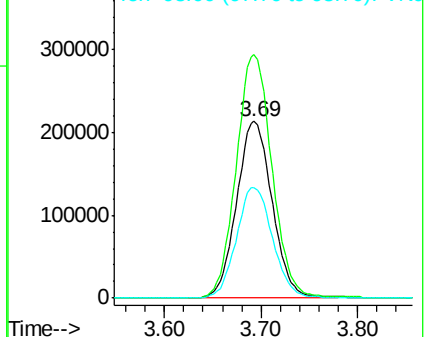
98 62.8 52.2 78.2

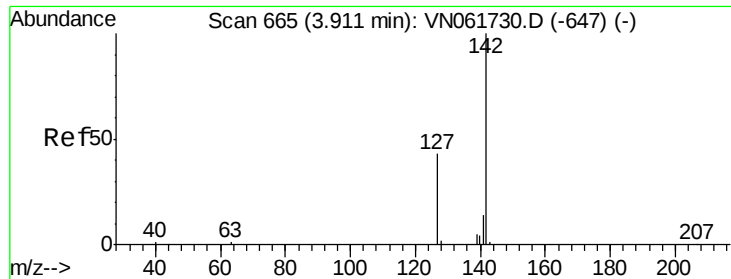


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

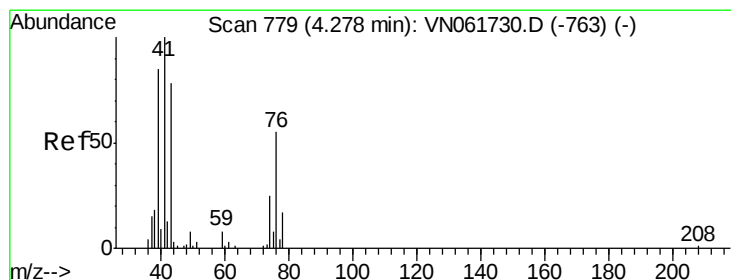
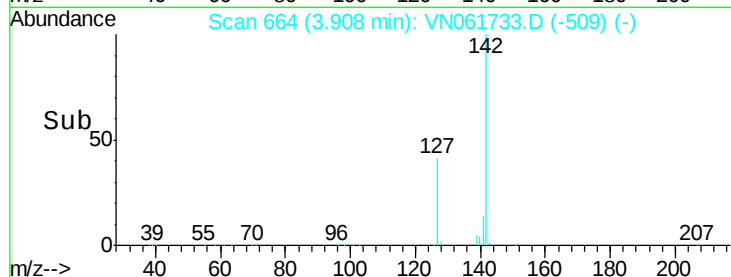
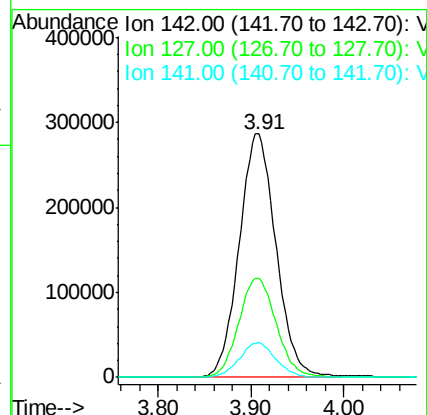
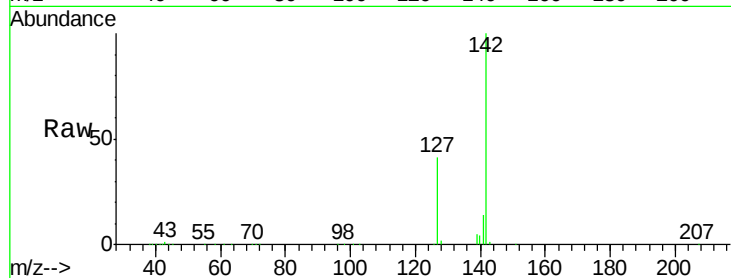




#11
Methyl Iodide
Concen: 198.47 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

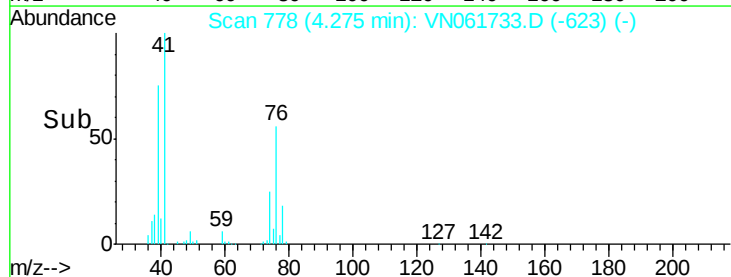
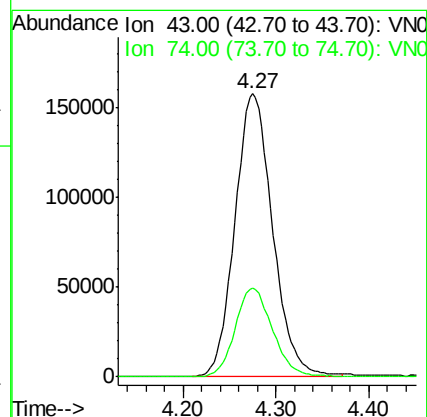
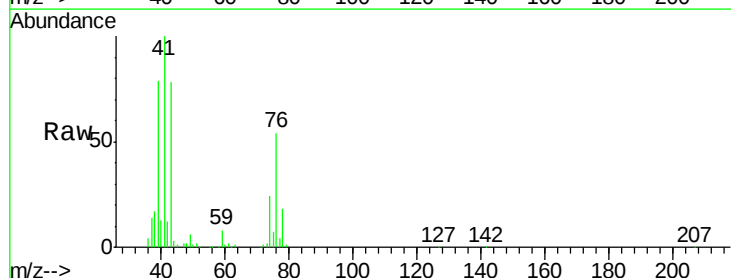
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

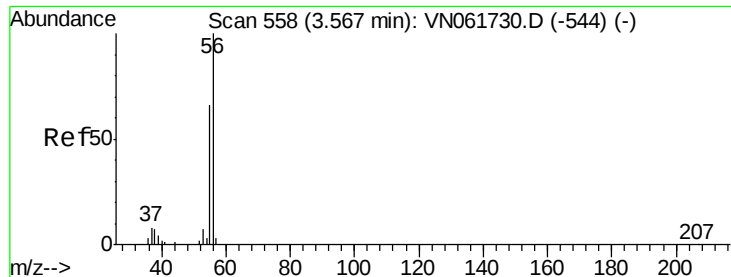
Tgt Ion:142 Resp: 789256
Ion Ratio Lower Upper
142 100
127 40.7 21.6 64.6
141 14.3 7.2 21.6



#12
Methyl Acetate
Concen: 111.54 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion: 43 Resp: 441270
Ion Ratio Lower Upper
43 100
74 31.4 25.8 38.6





#13

Acrolein

Concen: 399.90 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

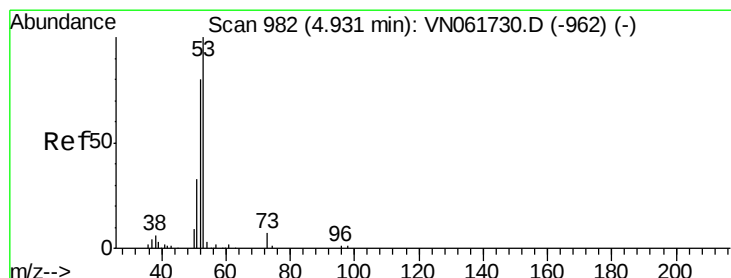
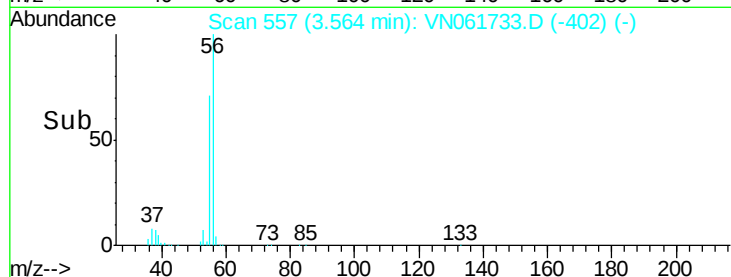
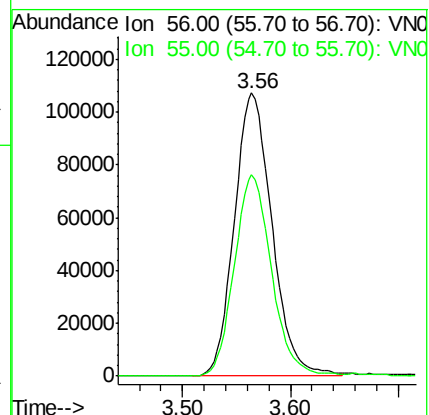
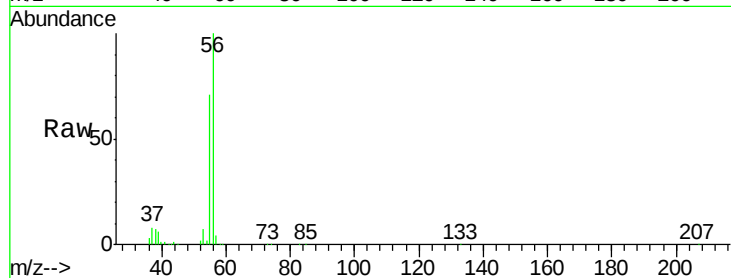
VSTDIC150

Tgt Ion: 56 Resp: 261270

Ion Ratio Lower Upper

56 100

55 69.8 53.9 80.9



#14

Acrylonitrile

Concen: 598.84 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

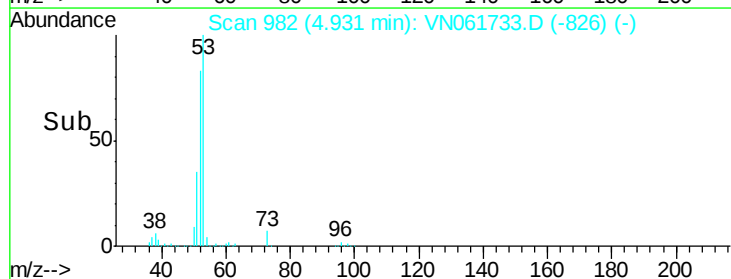
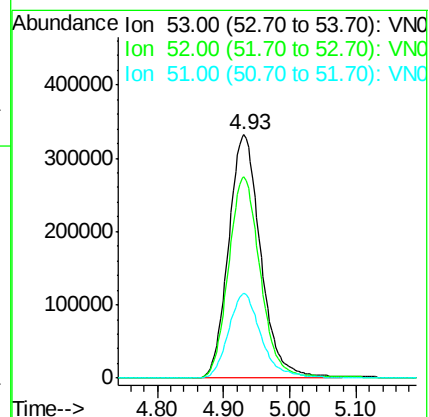
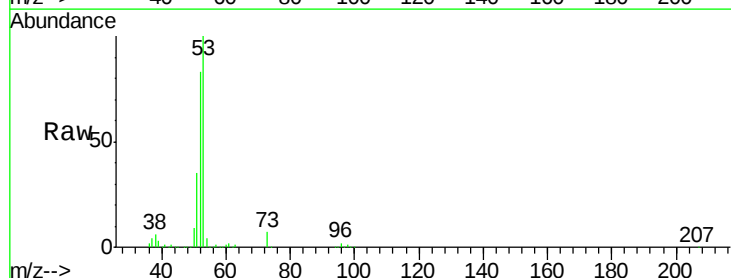
Tgt Ion: 53 Resp: 1120010

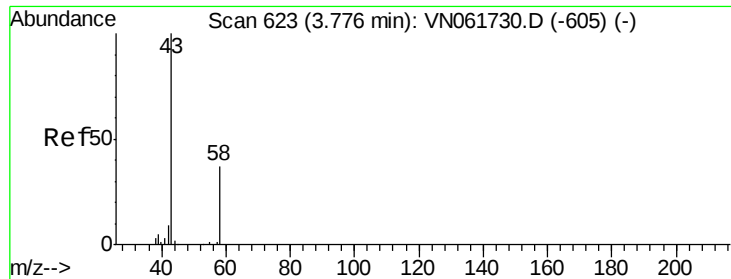
Ion Ratio Lower Upper

53 100

52 81.7 41.3 123.7

51 35.4 8.0 23.8#

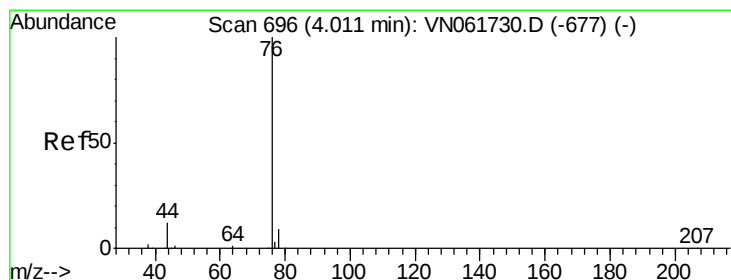
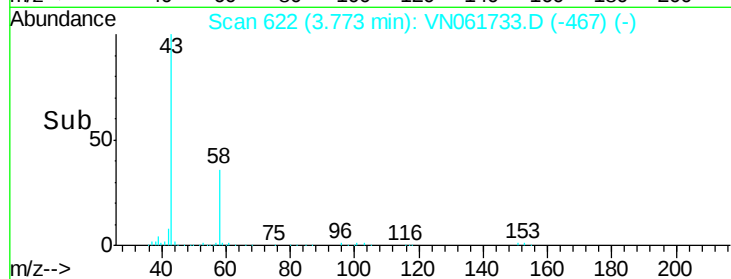
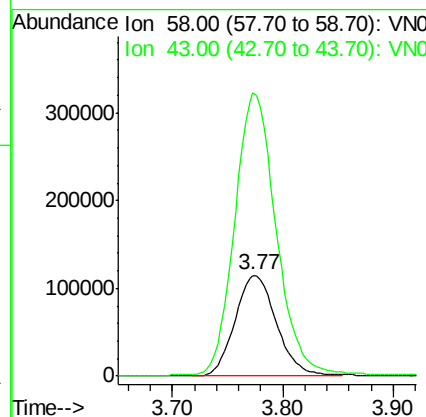
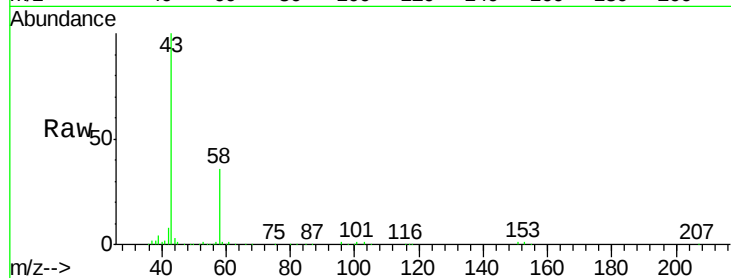




#15
Acetone
Concen: 635.55 ug/l
RT: 3.77 min Scan# 622
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

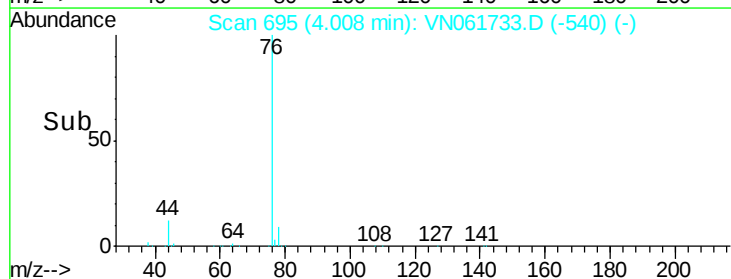
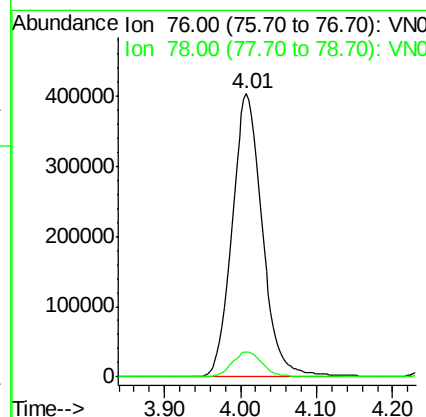
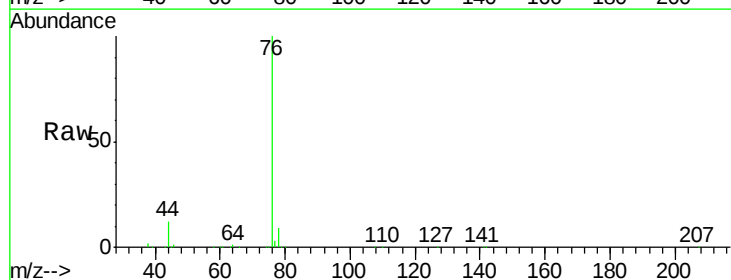
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

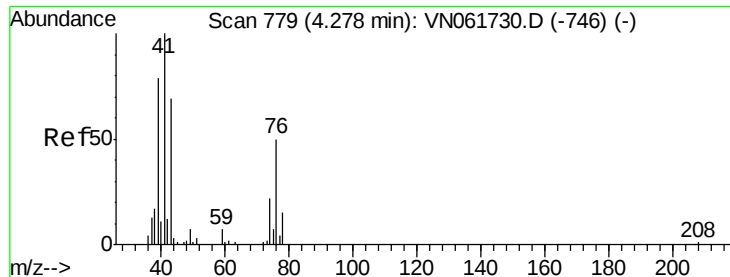
Tgt Ion: 58 Resp: 296966
Ion Ratio Lower Upper
58 100
43 279.7 213.7 320.5



#16
Carbon Disulfide
Concen: 118.65 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion: 76 Resp: 1111158
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4

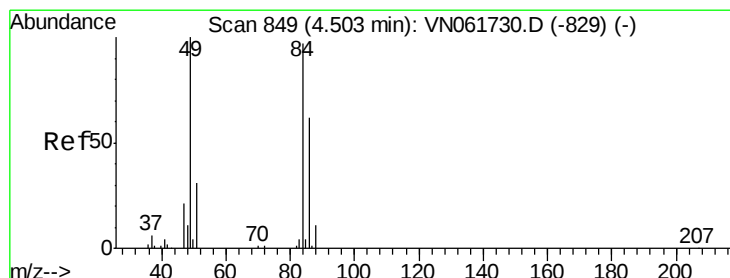
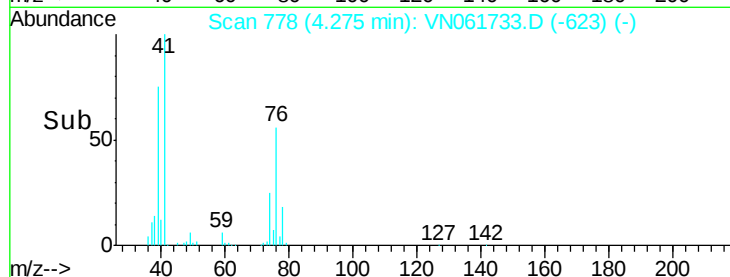
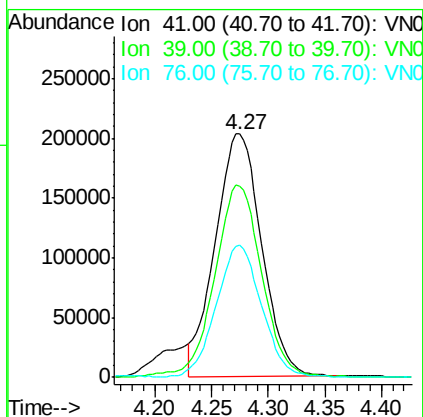
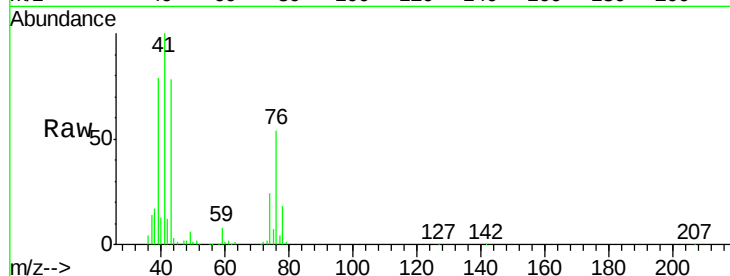




#17
 Allyl chloride
 Concen: 89.46 ug/l
 RT: 4.27 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

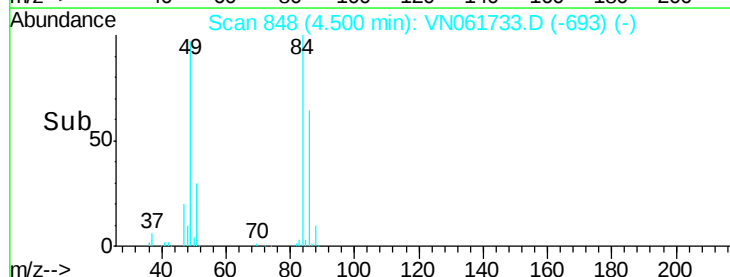
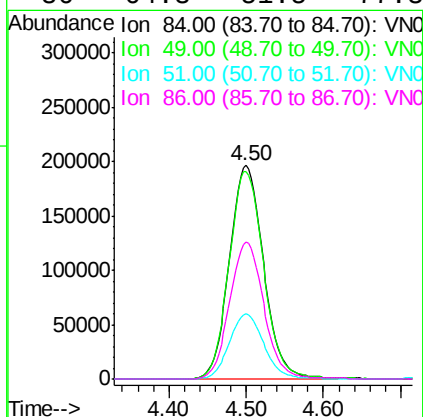
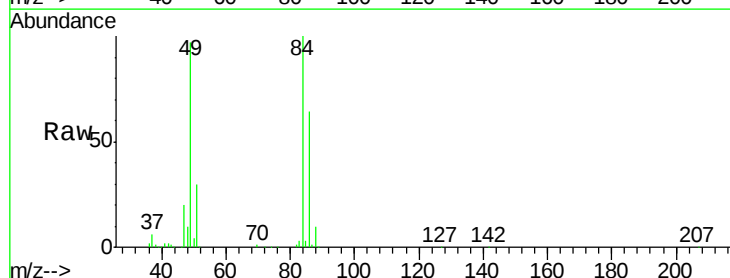
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

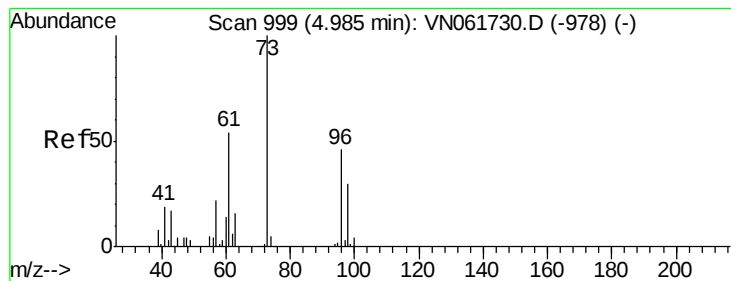
Tgt Ion: 41 Resp: 579321
 Ion Ratio Lower Upper
 41 100
 39 78.7 39.5 118.5
 76 54.4 24.9 74.7



#18
 Methylene Chloride
 Concen: 143.73 ug/l
 RT: 4.50 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion: 84 Resp: 602777
 Ion Ratio Lower Upper
 84 100
 49 97.2 82.6 124.0
 51 30.3 25.4 38.0
 86 64.3 51.5 77.3





#19

trans-1,2-Dichloroethene

Concen: 149.75 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

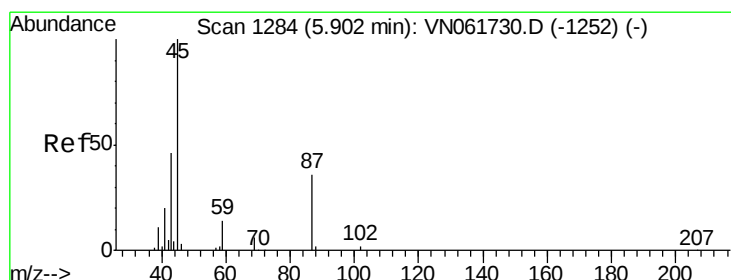
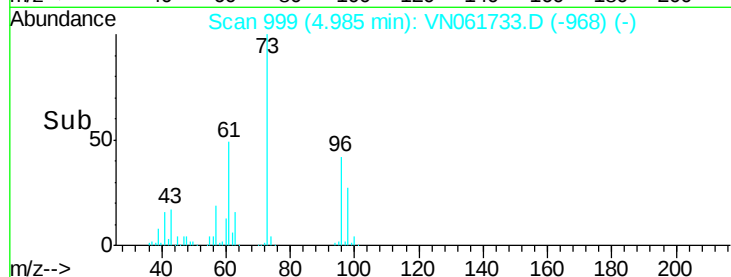
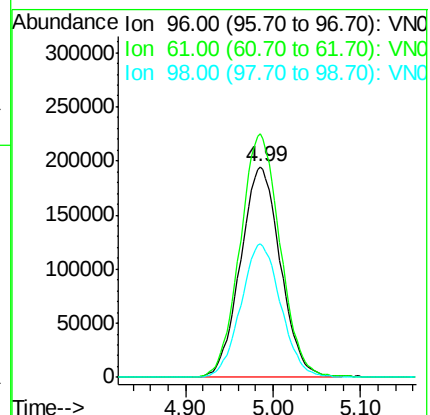
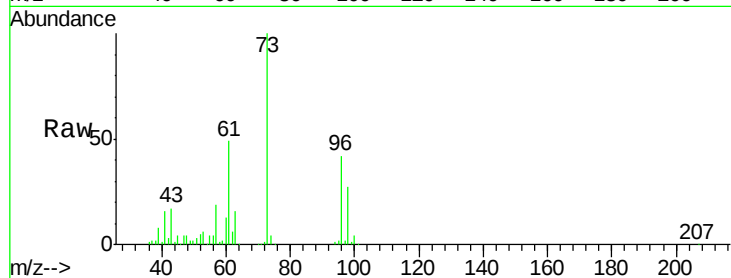
Tgt Ion: 96 Resp: 616659

Ion Ratio Lower Upper

96 100

61 115.6 95.4 143.0

98 63.5 52.6 79.0



#20

Diisopropyl ether

Concen: 98.21 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Tgt Ion: 45 Resp: 1476105

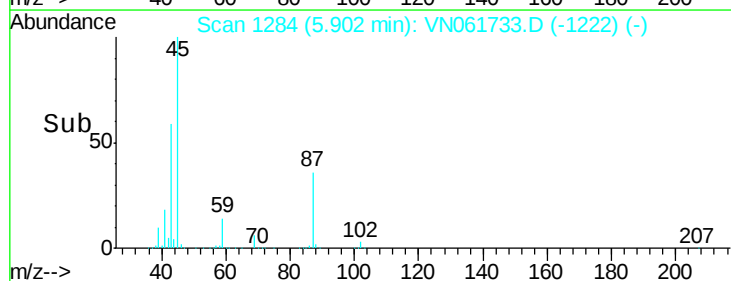
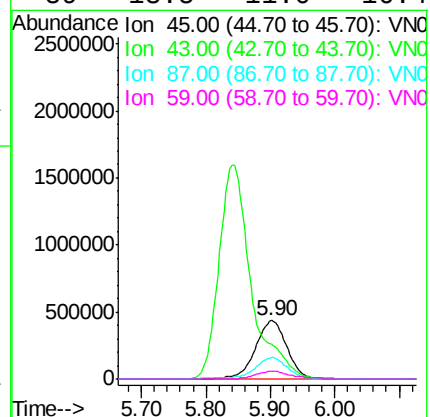
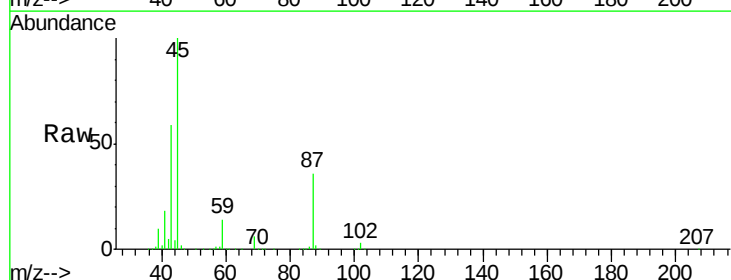
Ion Ratio Lower Upper

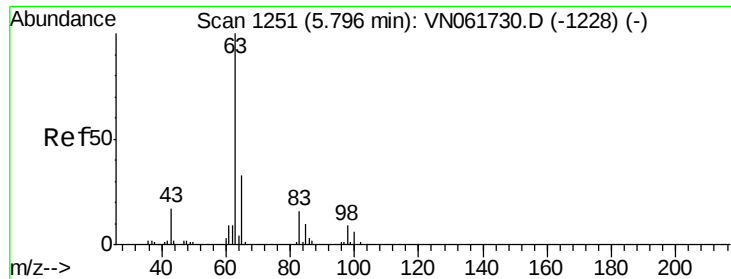
45 100

43 57.9 50.7 76.1

87 36.3 30.1 45.1

59 13.5 11.0 16.4





#21

1,1-Dichloroethane

Concen: 118.92 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

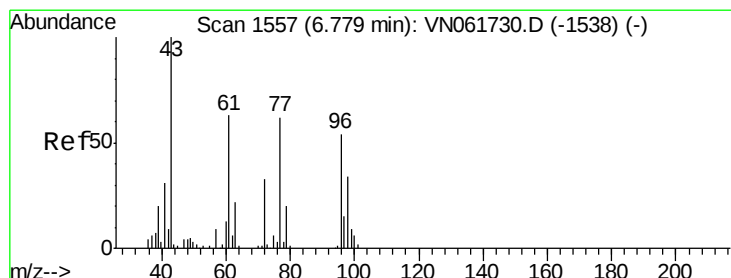
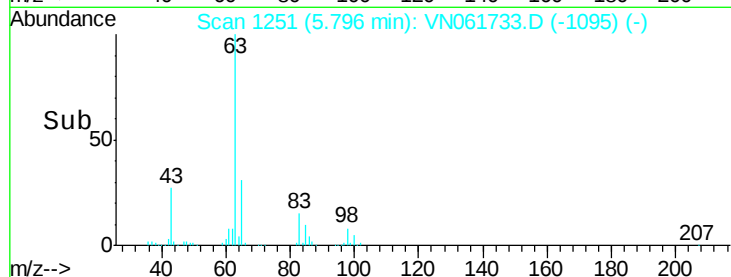
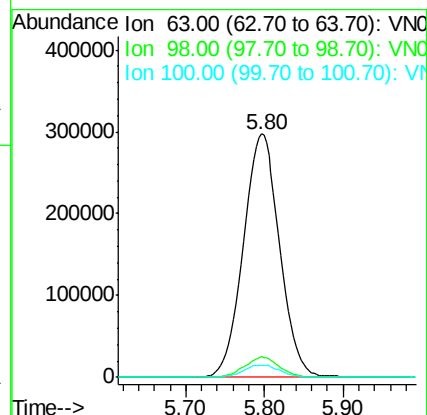
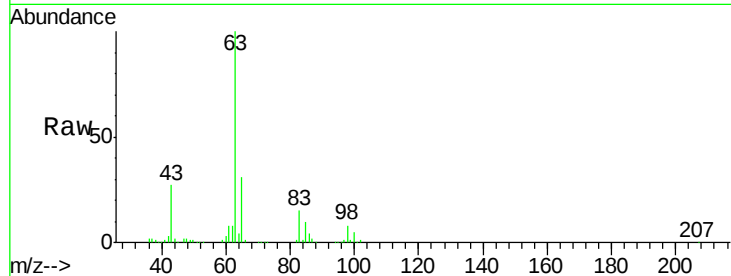
Tgt Ion: 63 Resp: 963280

Ion Ratio Lower Upper

63 100

98 8.3 4.5 13.7

100 5.1 2.9 8.7



#22

cis-1,2-Dichloroethene

Concen: 147.79 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

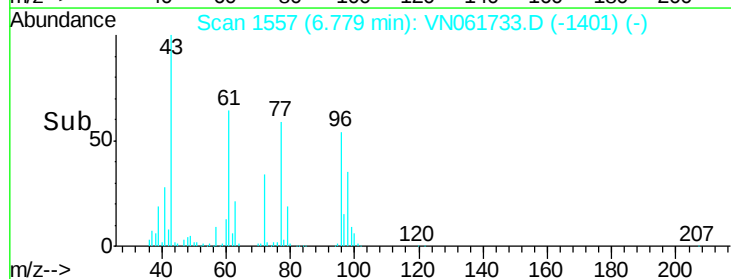
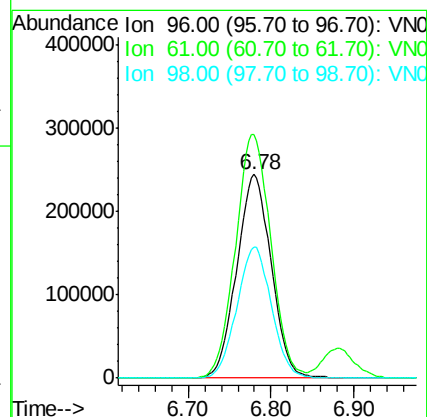
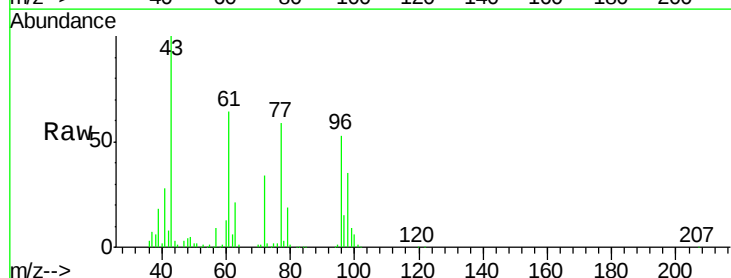
Tgt Ion: 96 Resp: 705596

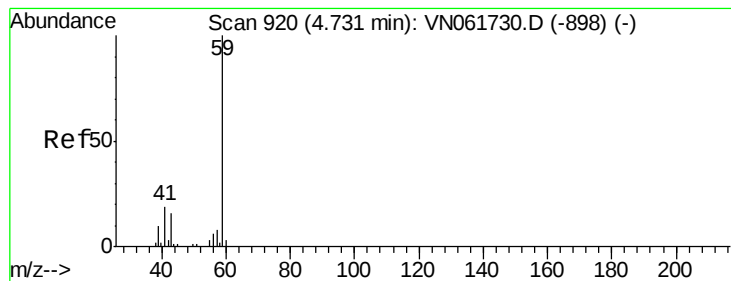
Ion Ratio Lower Upper

96 100

61 122.7 100.6 151.0

98 64.8 52.6 79.0





#23

tert-Butyl Alcohol

Concen: 717.60 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.01 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

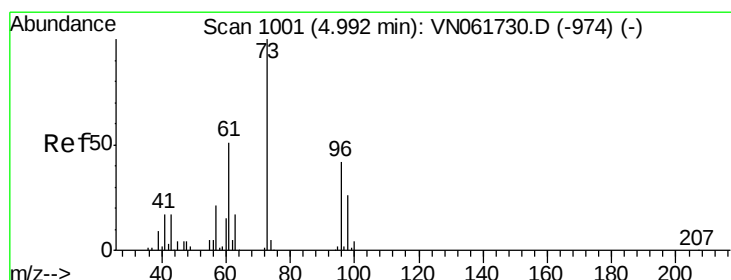
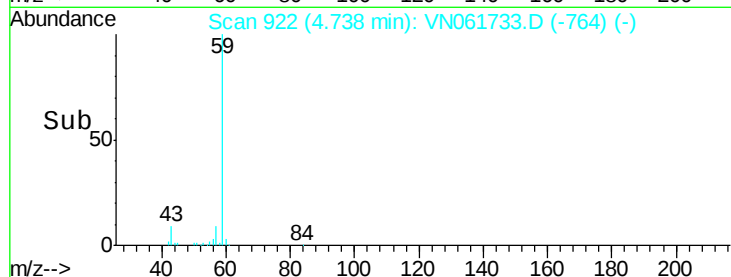
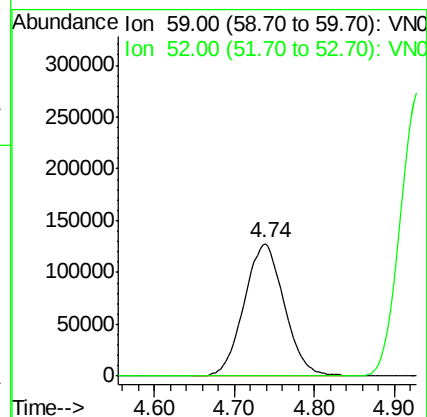
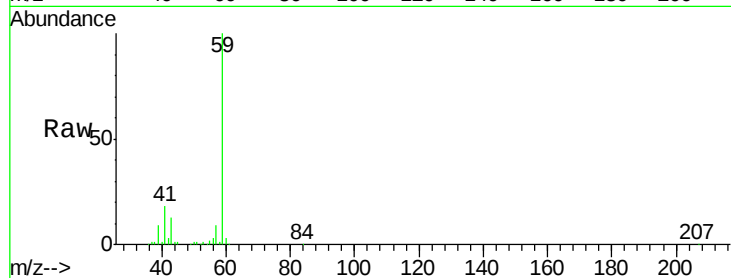
VSTDIC150

Tgt Ion: 59 Resp: 438055

Ion Ratio Lower Upper

59 100

52 0.1 0.0 0.0#



#24

Methyl tert-Butyl Ether

Concen: 128.23 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN061733.D

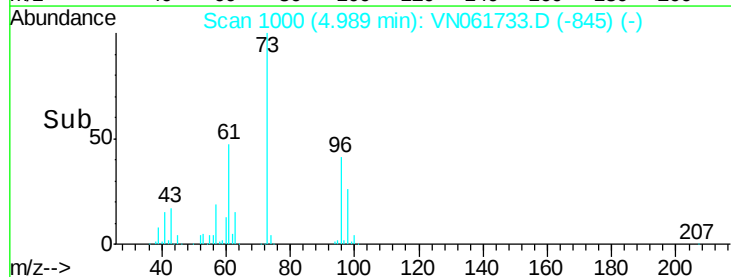
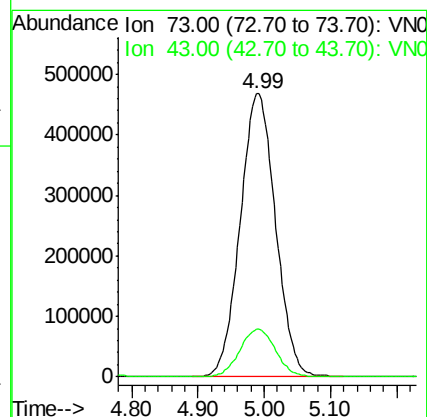
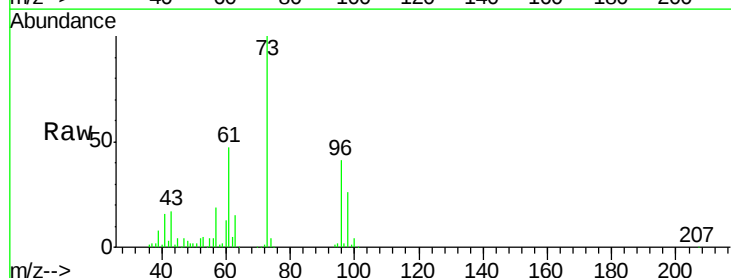
Acq: 10 Jun 2020 12:04

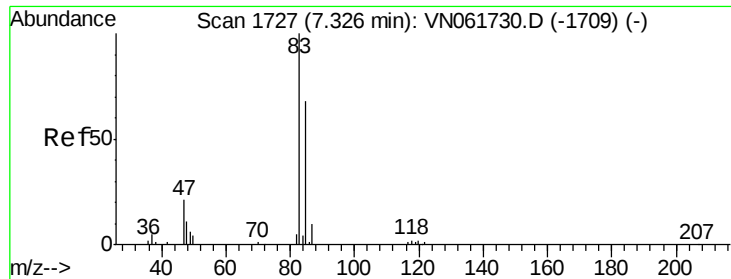
Tgt Ion: 73 Resp: 1734938

Ion Ratio Lower Upper

73 100

43 17.0 7.0 10.4#





#25

Chloroform

Concen: 134.73 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

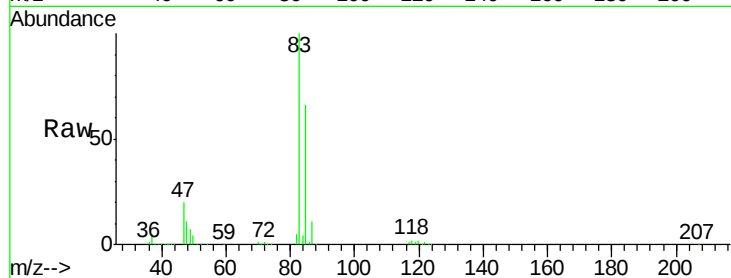
VSTDIC150

Tgt Ion: 83 Resp: 1080784

Ion Ratio Lower Upper

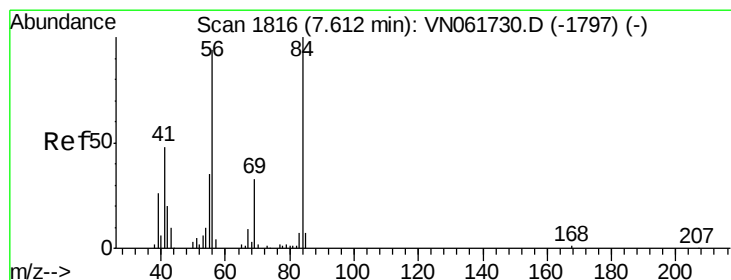
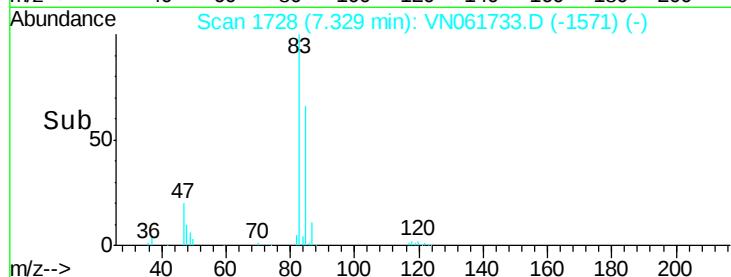
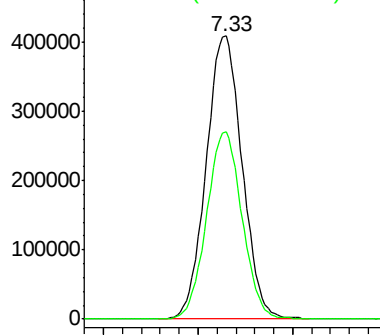
83 100

85 66.4 54.2 81.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 105.87 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

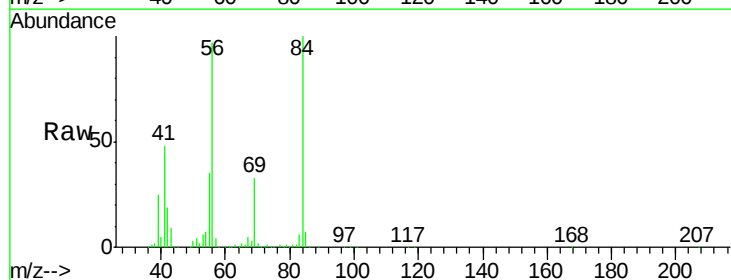
Tgt Ion: 56 Resp: 797045

Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

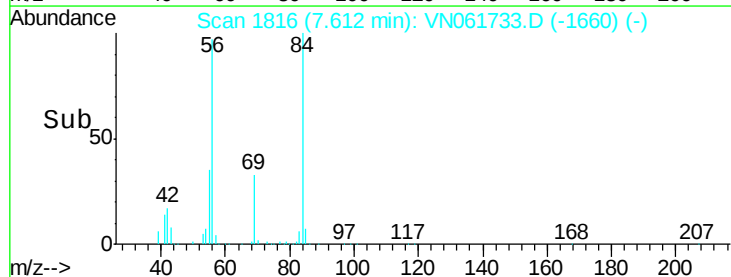
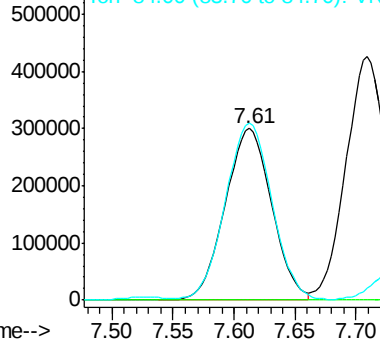
84 103.8 83.5 125.3

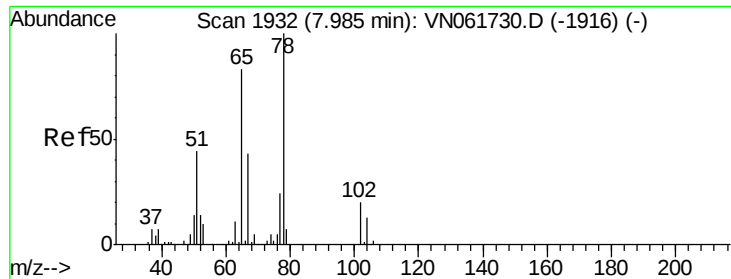


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

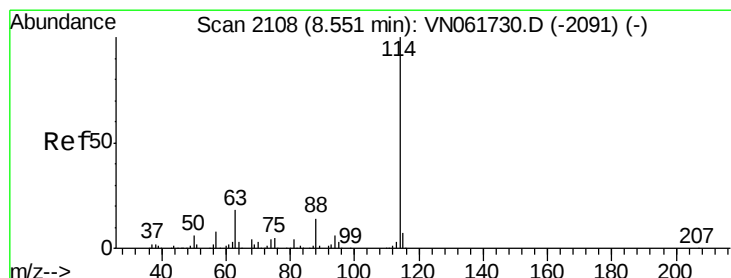
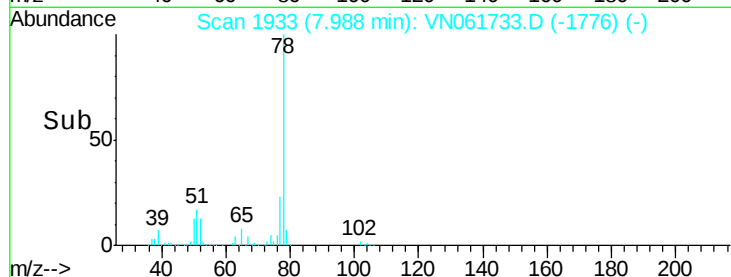
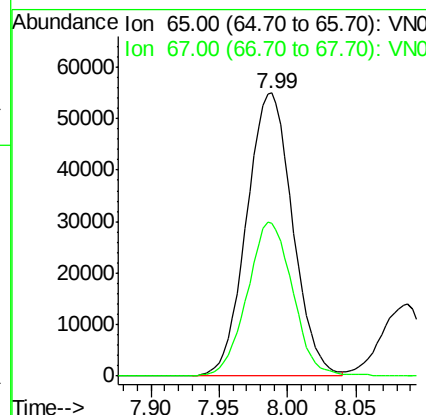
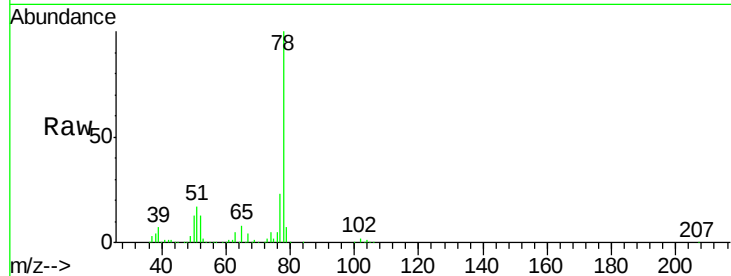




#27
 1,2-Dichloroethane-d4
 Concen: 23.05 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

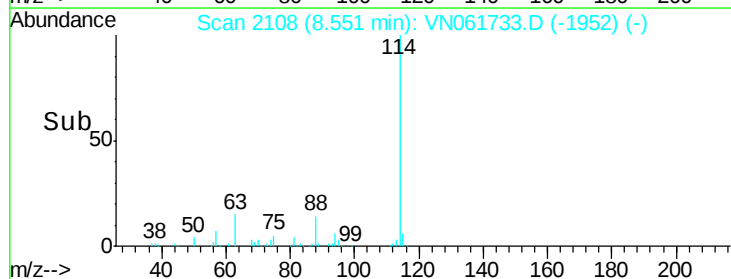
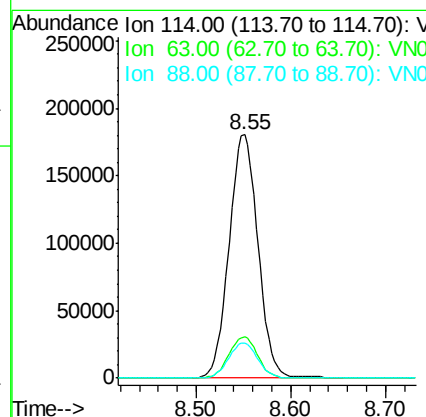
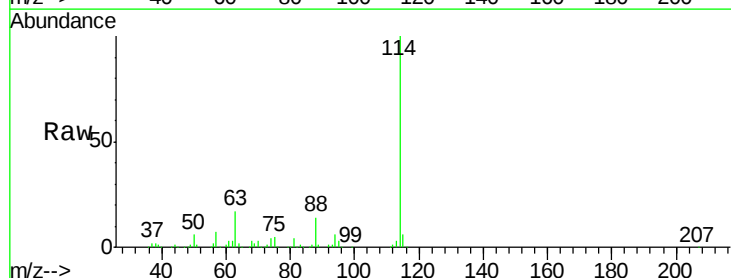
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

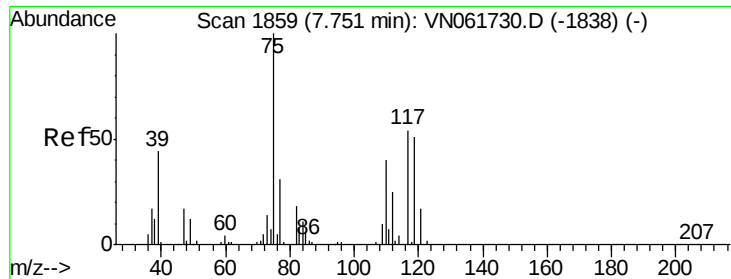
Tgt Ion: 65 Resp: 128603
 Ion Ratio Lower Upper
 65 100
 67 53.5 42.2 63.4



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion: 114 Resp: 383216
 Ion Ratio Lower Upper
 114 100
 63 16.9 14.2 21.2
 88 14.5 11.4 17.2





#29

1,1-Dichloropropene

Concen: 125.90 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

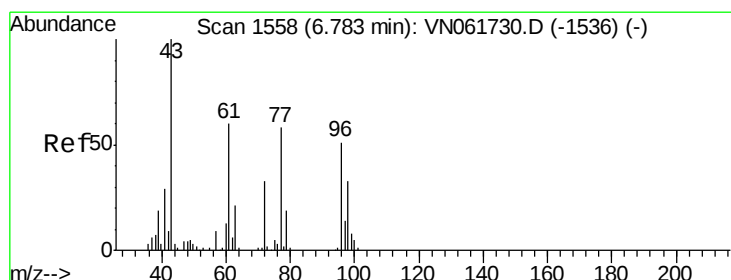
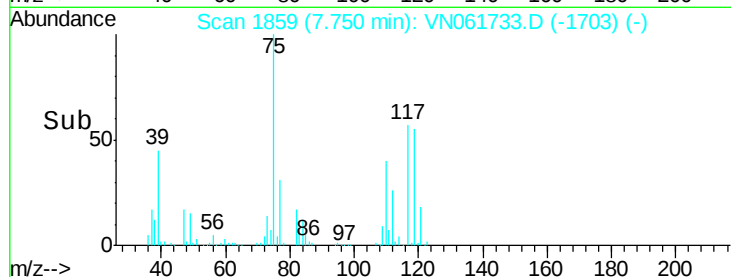
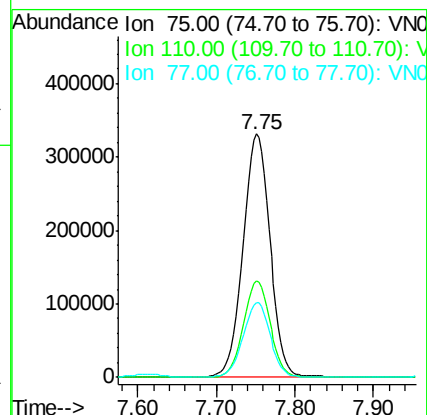
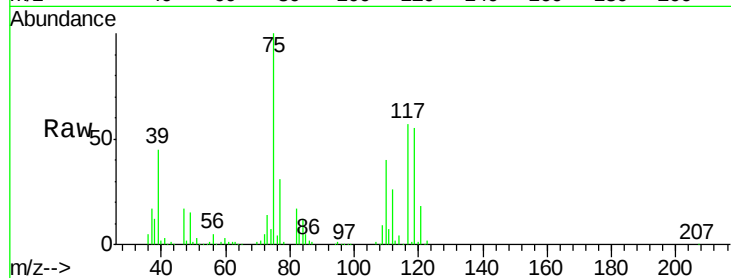
Tgt Ion: 75 Resp: 798708

Ion Ratio Lower Upper

75 100

110 39.2 0.0 78.6

77 31.0 0.0 62.4



#30

2-Butanone

Concen: 517.04 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

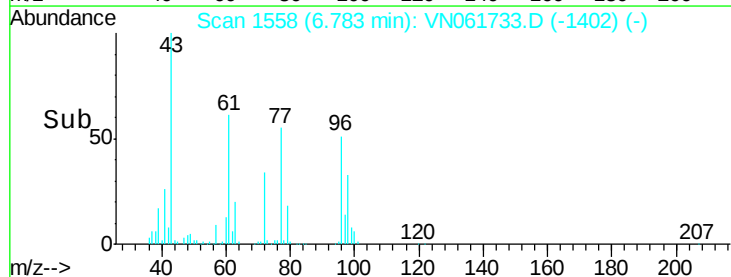
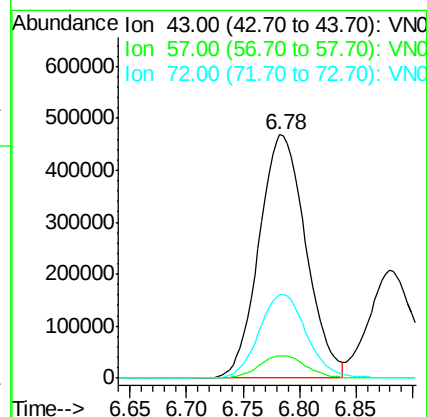
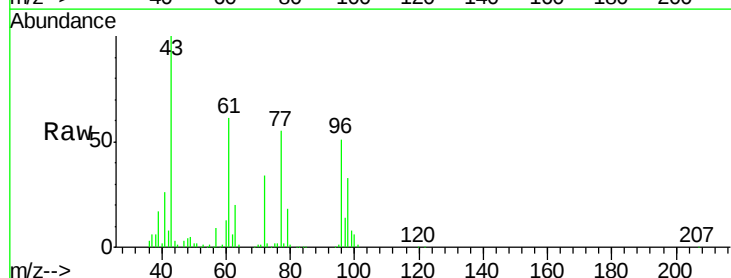
Tgt Ion: 43 Resp: 1342632

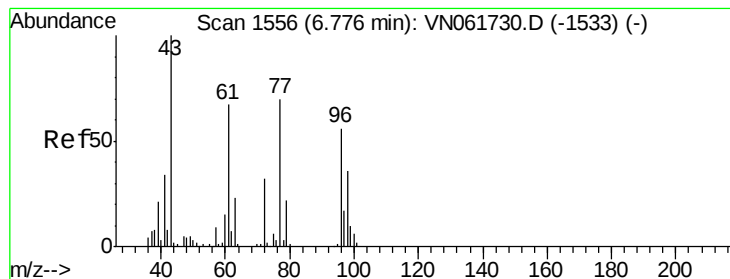
Ion Ratio Lower Upper

43 100

57 9.4 7.6 11.4

72 35.0 27.8 41.6





#31

2,2-Dichloropropane

Concen: 119.62 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

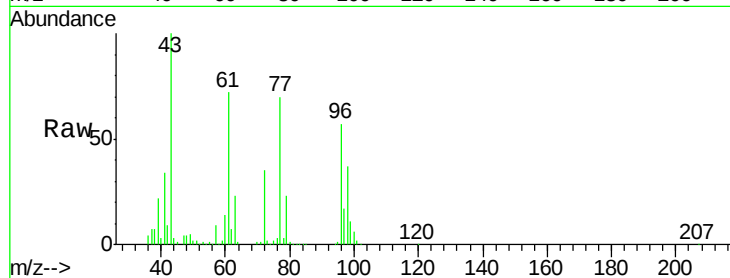
VSTDIC150

Tgt Ion: 77 Resp: 888260

Ion Ratio Lower Upper

77 100

97 24.3 19.6 29.4



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.77

300000

250000

200000

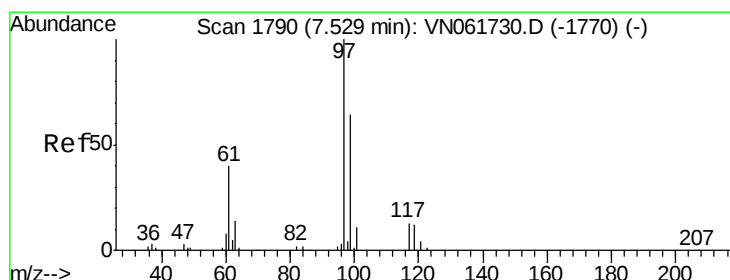
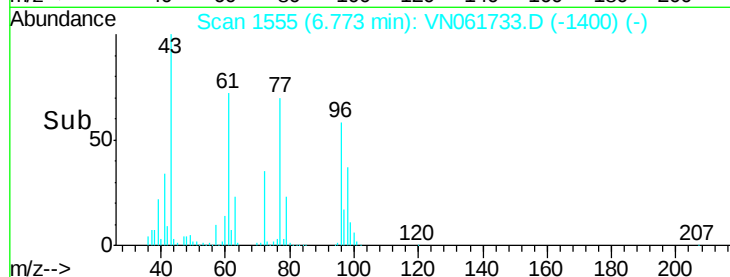
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90



#32

1,1,1-Trichloroethane

Concen: 134.29 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

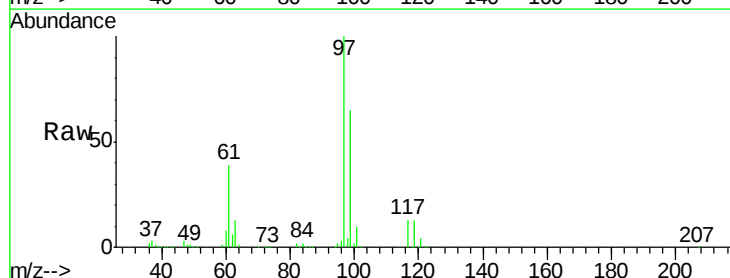
Tgt Ion: 97 Resp: 975036

Ion Ratio Lower Upper

97 100

99 64.8 51.9 77.9

61 38.5 32.3 48.5



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

7.53

500000

400000

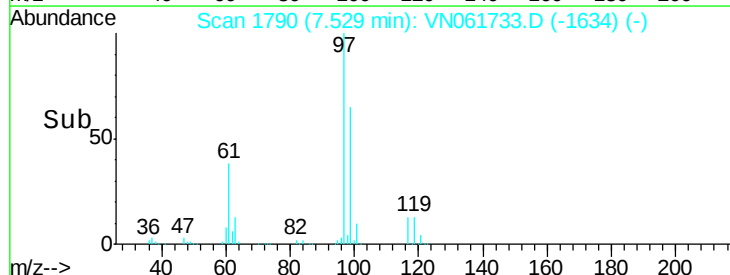
300000

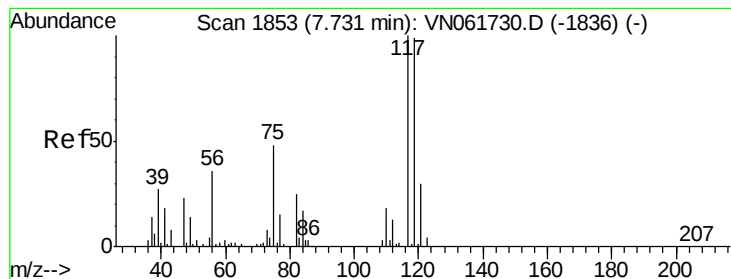
200000

100000

0

Time--> 7.40 7.50 7.60





#33

Carbon Tetrachloride

Concen: 148.45 ug/l

RT: 7.73 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

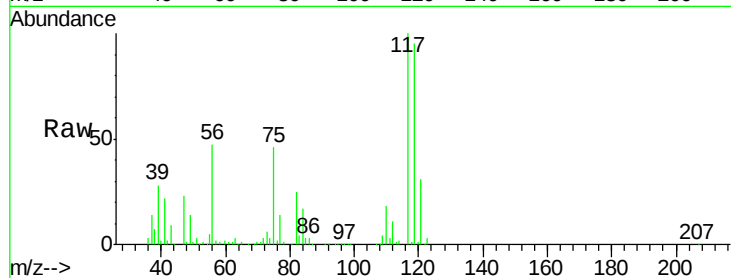
Tgt Ion:117 Resp: 835498

Ion Ratio Lower Upper

117 100

119 94.8 79.3 118.9

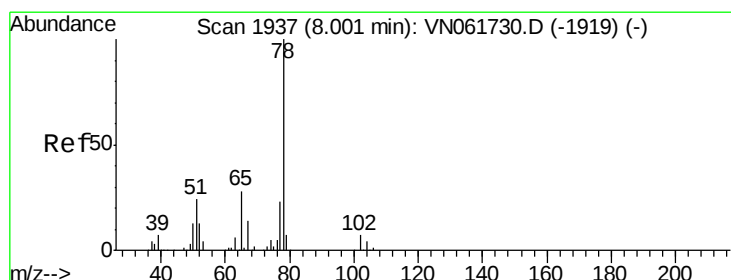
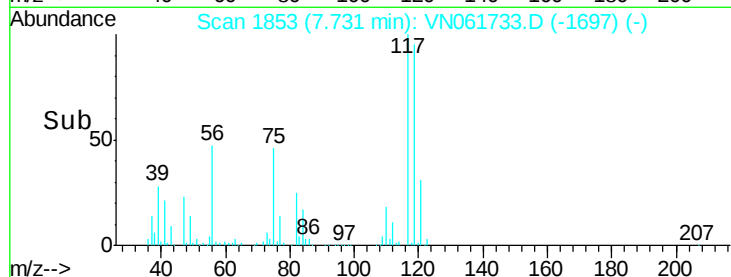
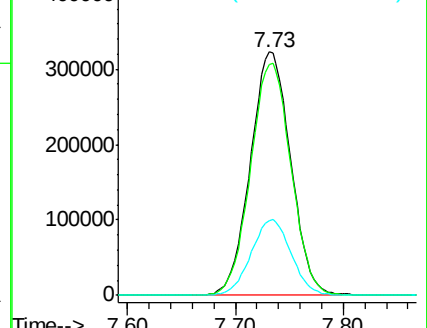
121 30.7 24.2 36.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 133.61 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

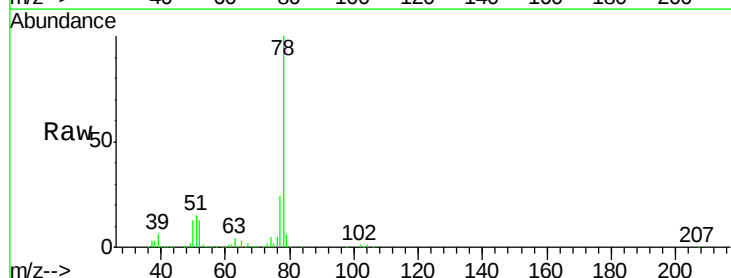
Tgt Ion: 78 Resp: 2430916

Ion Ratio Lower Upper

78 100

77 23.7 18.4 27.6

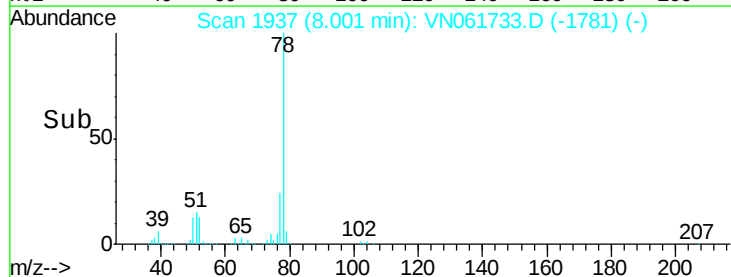
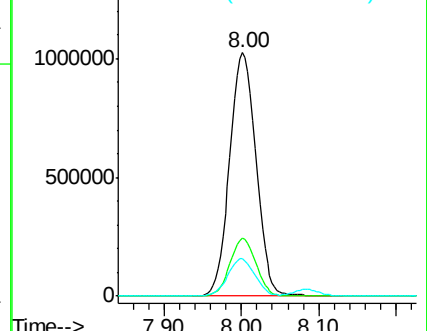
51 15.2 19.1 28.7#

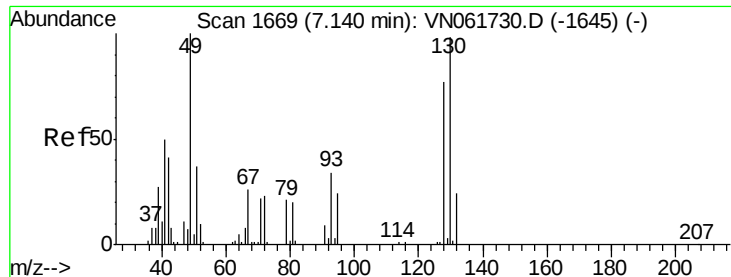


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

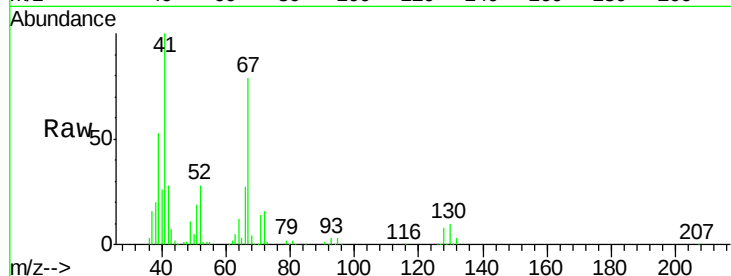




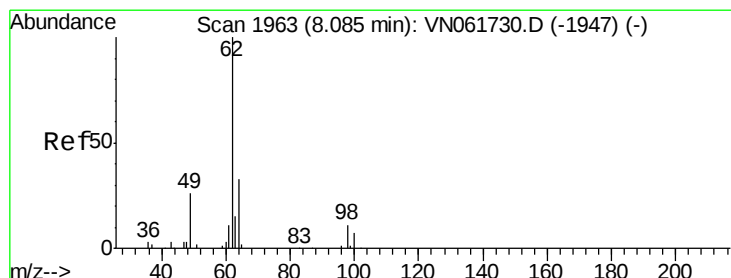
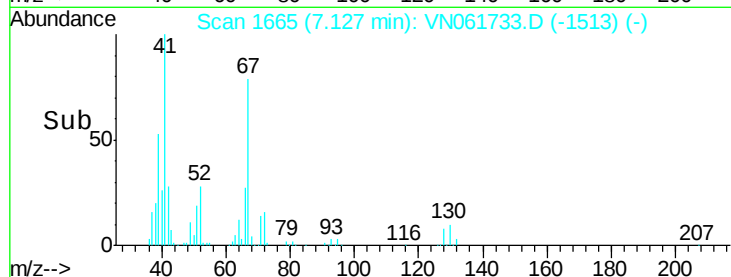
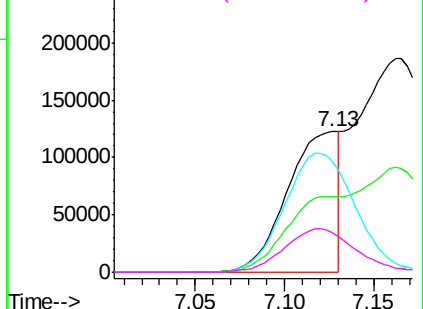
#35
Methacrylonitrile
Concen: 97.19 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.01 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 242418
Ion Ratio Lower Upper
41 100
39 53.5 26.5 79.5
67 79.3 25.4 76.2#
52 27.8 10.4 31.2

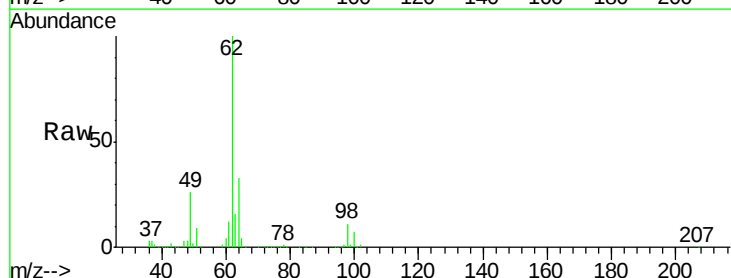


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

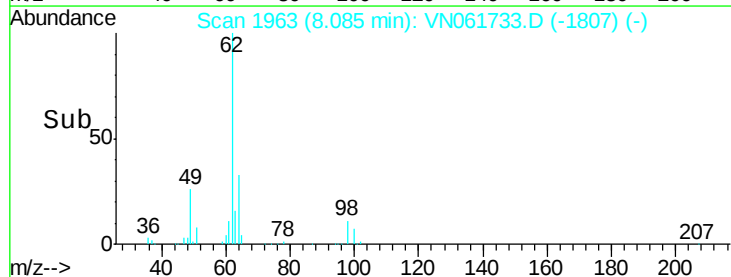
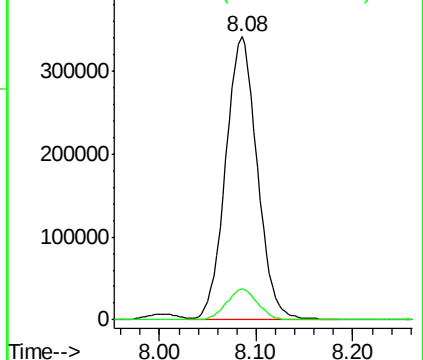


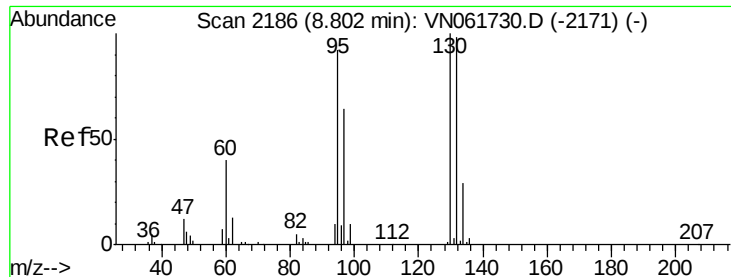
#36
1,2-Dichloroethane
Concen: 114.42 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion: 62 Resp: 775251
Ion Ratio Lower Upper
62 100
98 10.9 9.4 14.2



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

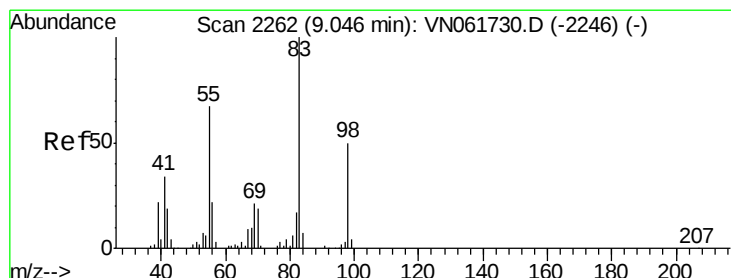
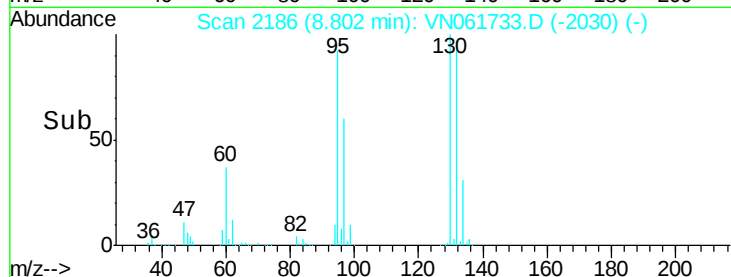
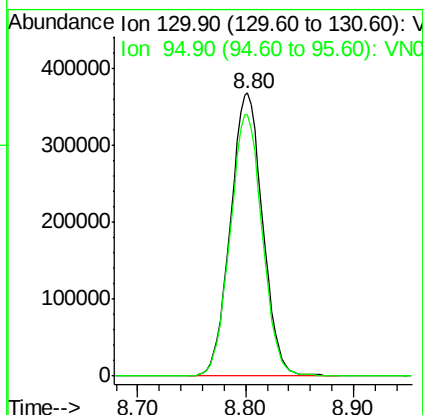
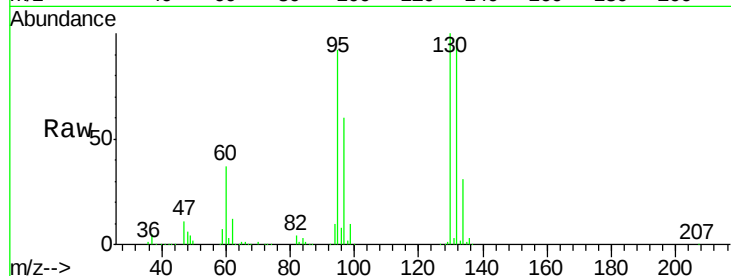




#37
 Trichloroethene
 Concen: 163.13 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

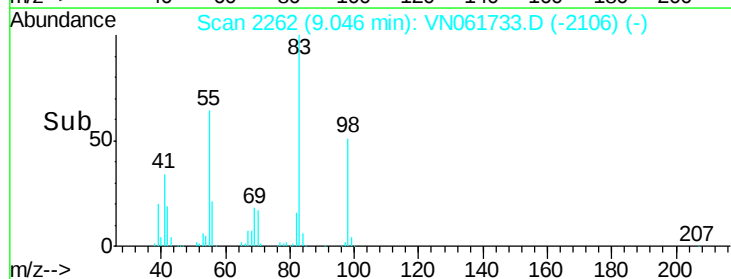
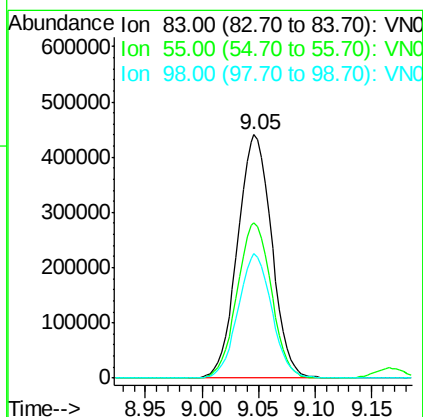
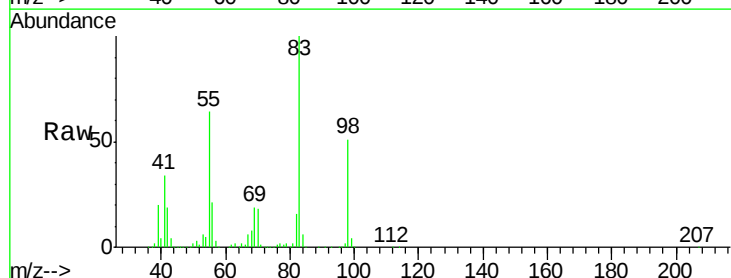
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

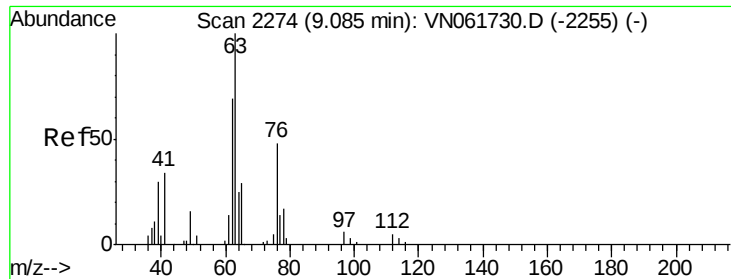
Tgt Ion:130 Resp: 764607
 Ion Ratio Lower Upper
 130 100
 95 92.3 73.9 110.9



#38
 Methylcyclohexane
 Concen: 122.88 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion: 83 Resp: 927228
 Ion Ratio Lower Upper
 83 100
 55 64.0 32.7 98.1
 98 50.4 25.4 76.4

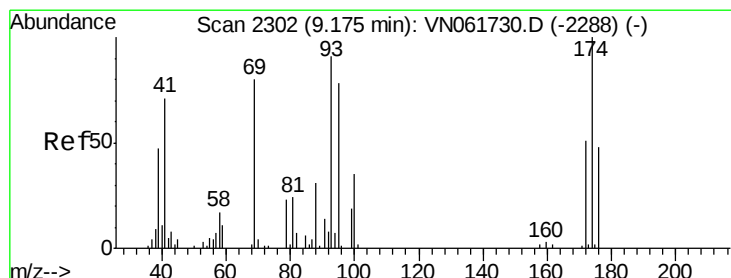
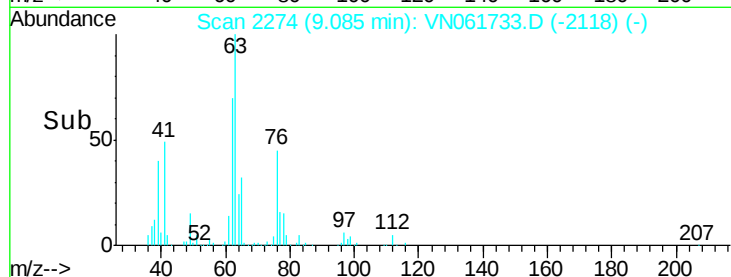
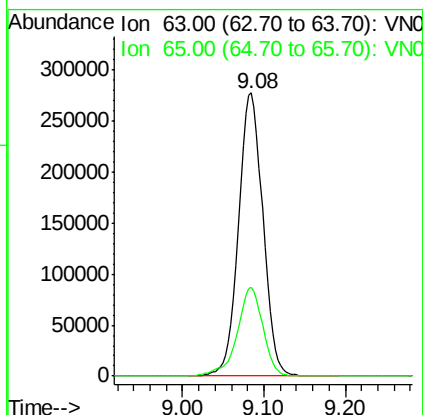
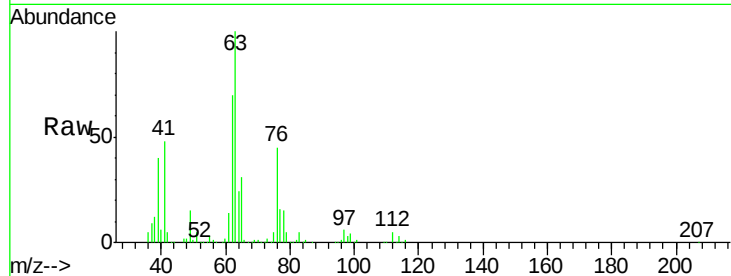




#39
 1,2-Dichloropropane
 Concen: 118.15 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

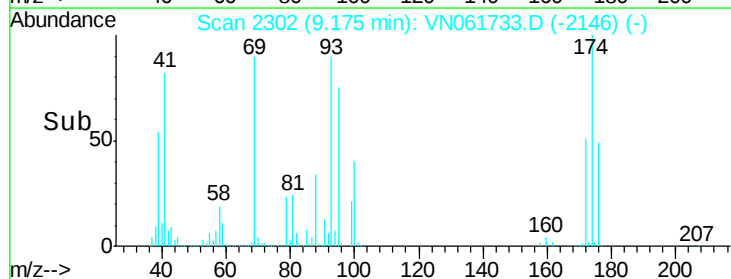
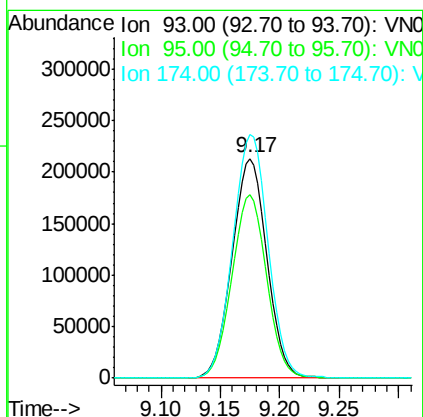
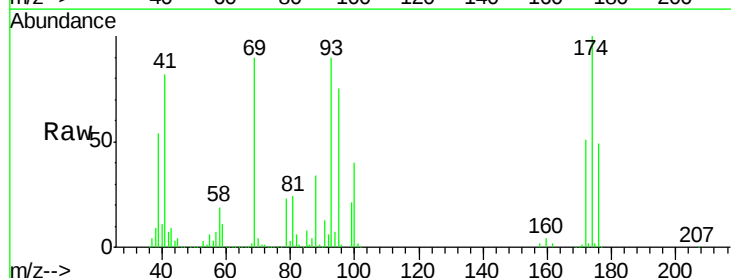
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

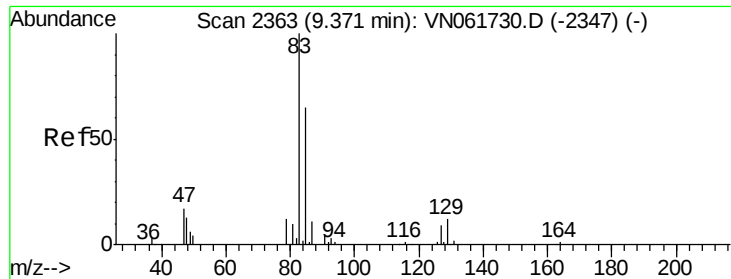
Tgt Ion: 63 Resp: 574974
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.3 36.5



#40
 Dibromomethane
 Concen: 138.80 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion: 93 Resp: 434162
 Ion Ratio Lower Upper
 93 100
 95 83.4 0.0 165.8
 174 112.3 0.0 217.8

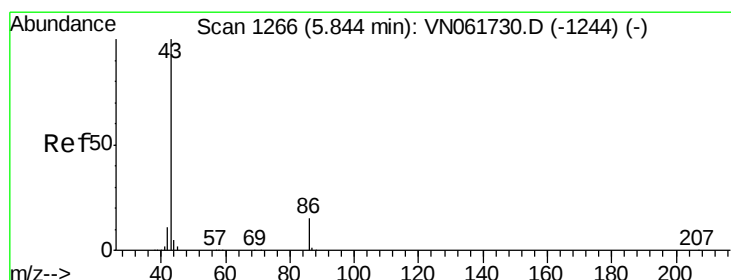
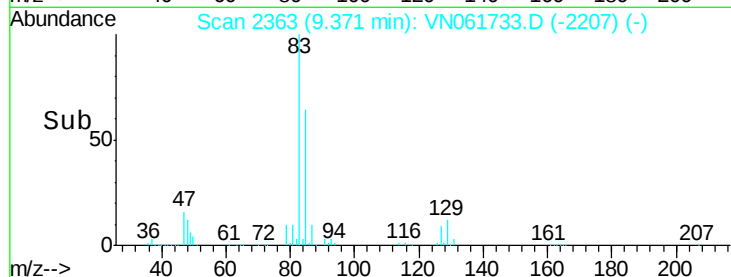
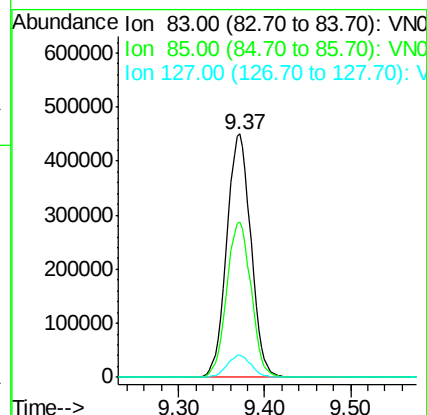
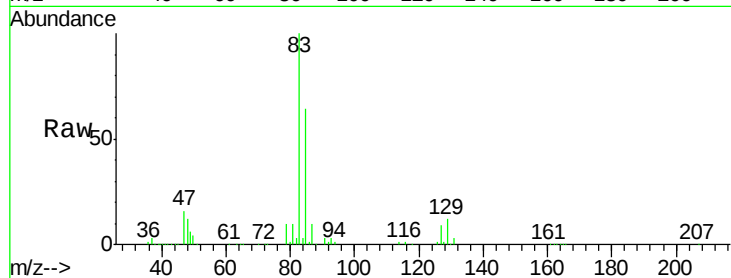




#41
 Bromodichloromethane
 Concen: 132.05 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

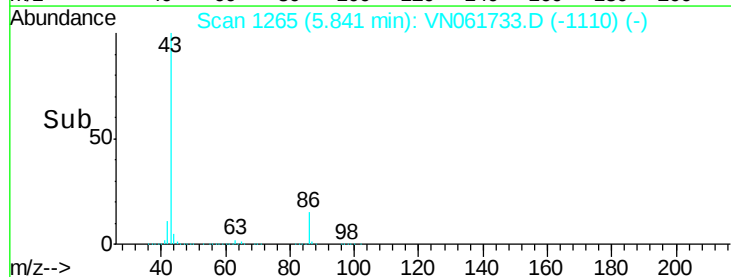
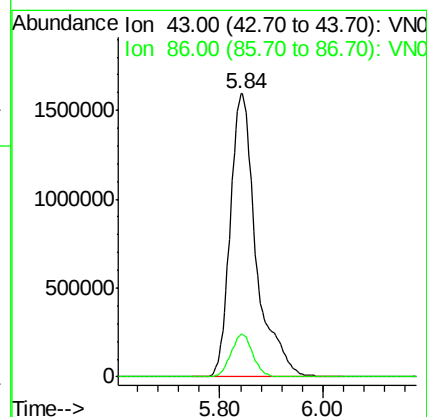
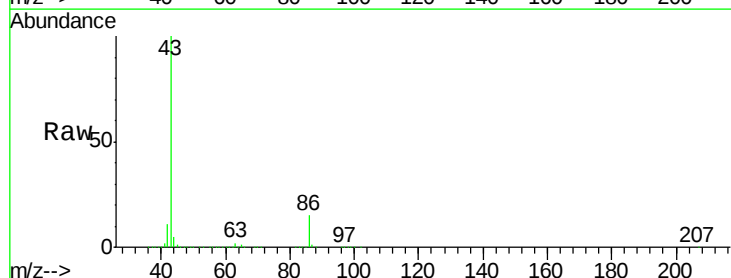
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

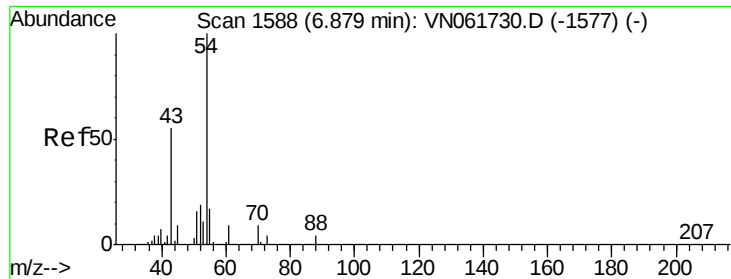
Tgt Ion: 83 Resp: 881928
 Ion Ratio Lower Upper
 83 100
 85 63.9 52.2 78.4
 127 9.1 7.2 10.8



#42
 Vinyl Acetate
 Concen: 457.48 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion: 43 Resp: 5570724
 Ion Ratio Lower Upper
 43 100
 86 12.8 10.0 15.0





#43

Ethyl Acetate

Concen: 106.40 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

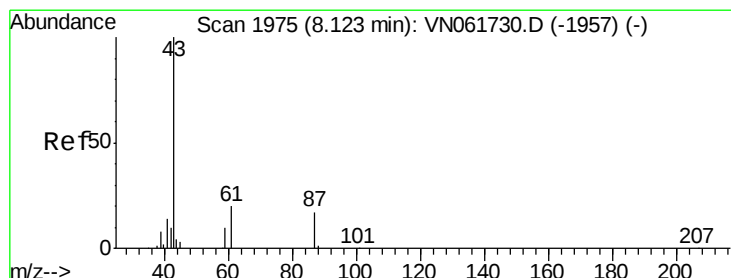
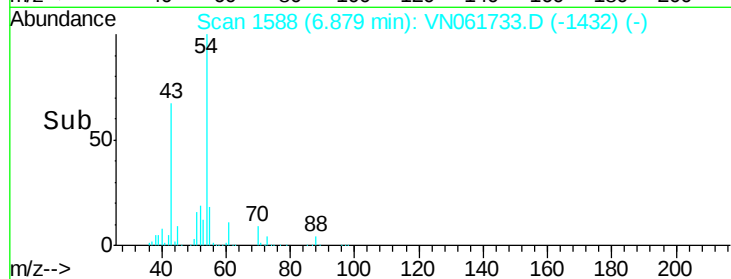
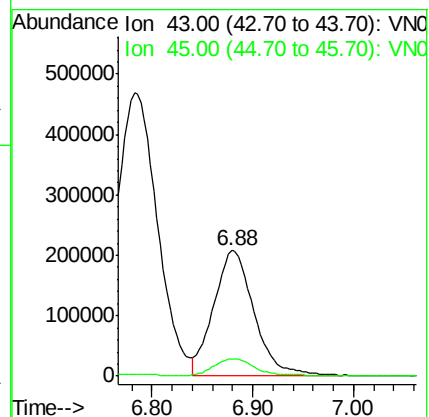
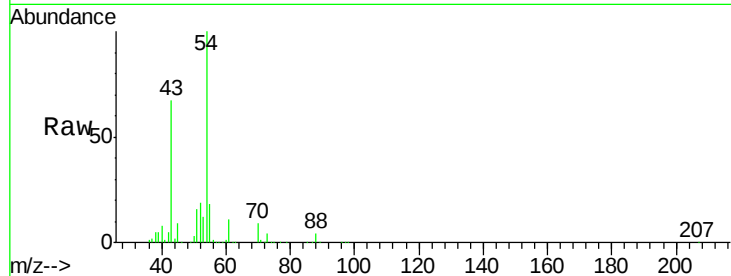
VSTDIC150

Tgt Ion: 43 Resp: 571128

Ion Ratio Lower Upper

43 100

45 14.8 11.4 17.2



#44

Isopropyl Acetate

Concen: 96.79 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061733.D

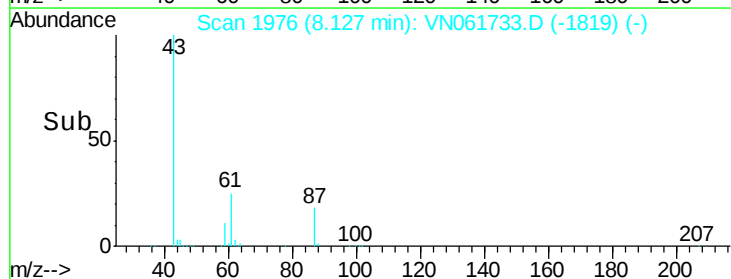
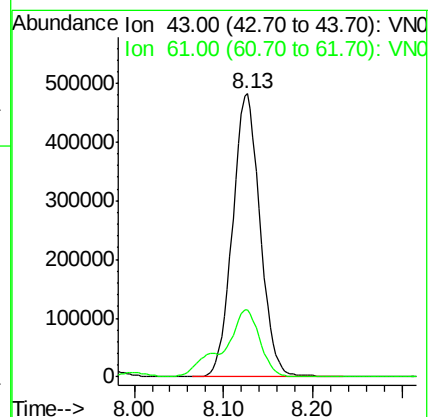
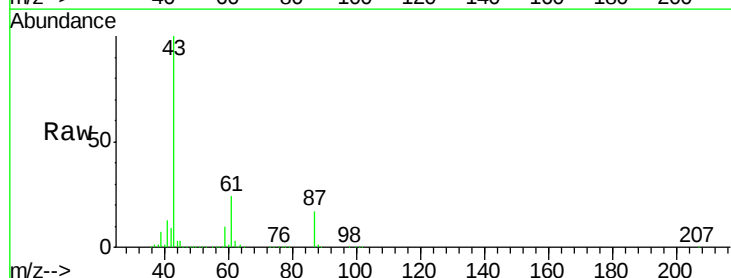
Acq: 10 Jun 2020 12:04

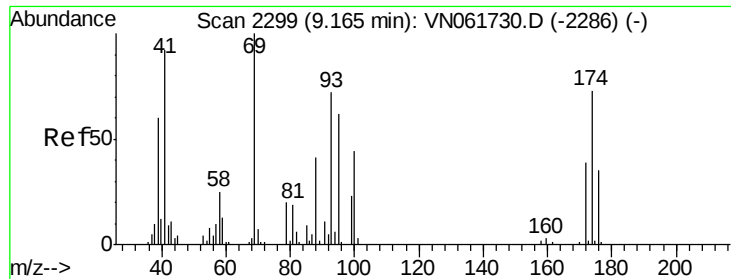
Tgt Ion: 43 Resp: 1024349

Ion Ratio Lower Upper

43 100

61 23.7 18.9 28.3

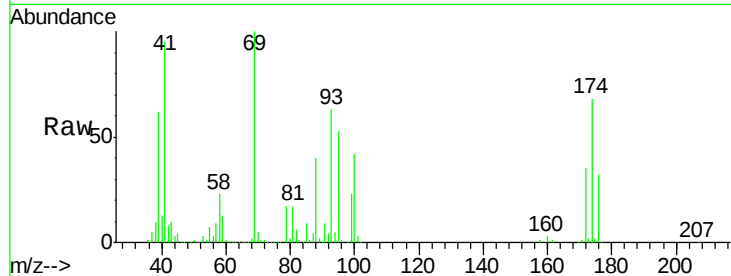




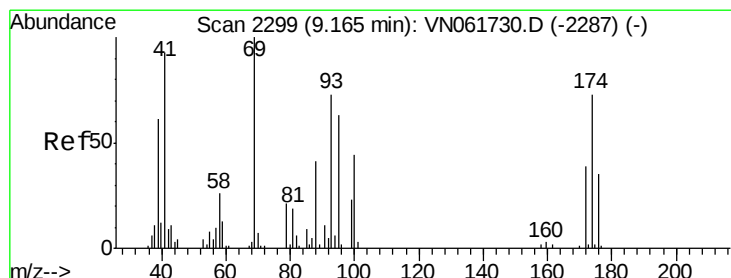
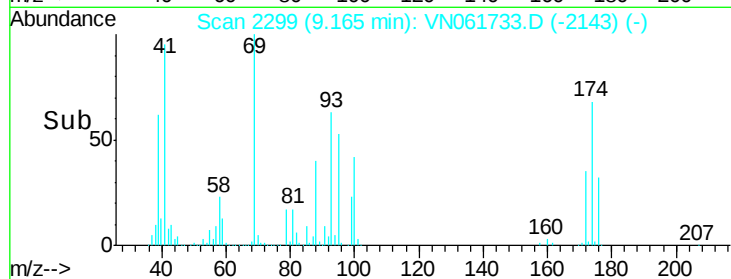
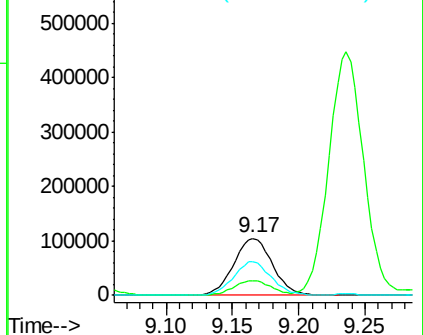
#45
 1,4-Dioxane
 Concen: 4298.76 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 88 Resp: 211414
 Ion Ratio Lower Upper
 88 100
 43 24.5 21.8 32.8
 58 57.9 48.4 72.6

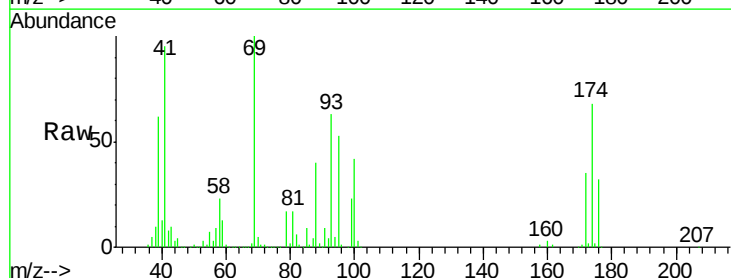


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

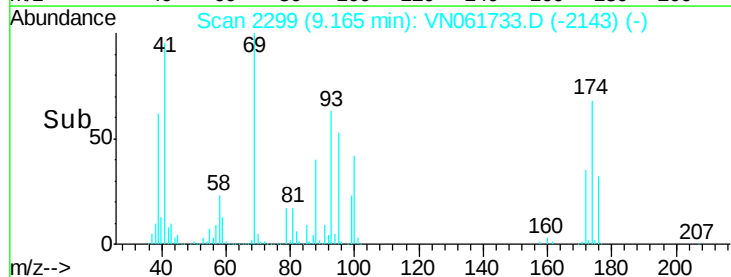
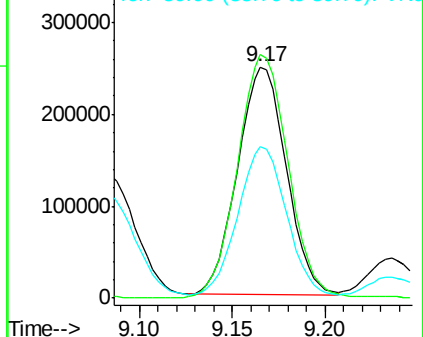


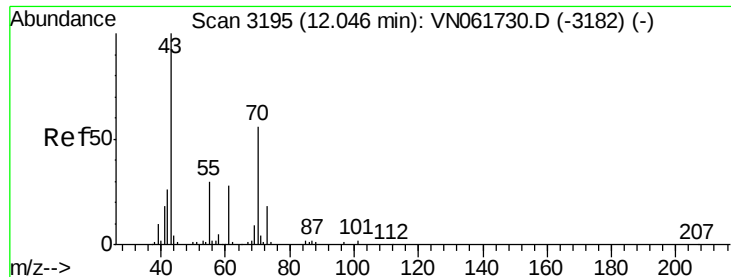
#46
 Methyl methacrylate
 Concen: 92.49 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion: 41 Resp: 454736
 Ion Ratio Lower Upper
 41 100
 69 106.4 53.8 161.4
 39 65.2 33.0 98.9



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





#47

n-amyl Acetate

Concen: 99.69 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

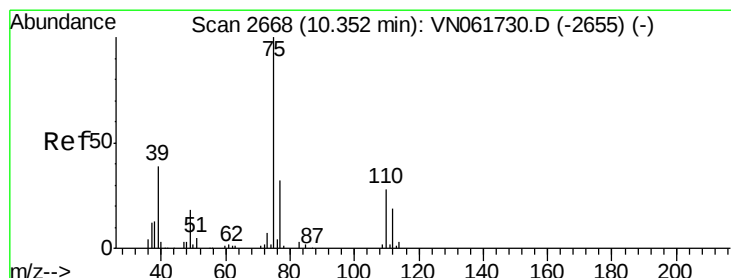
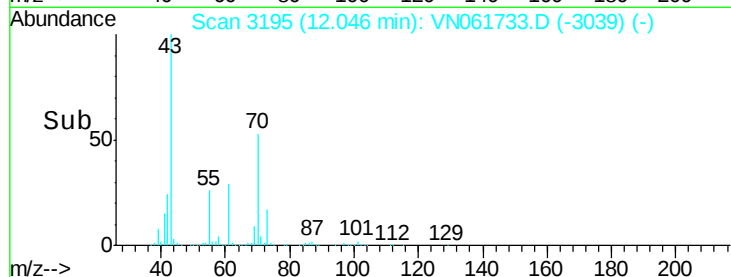
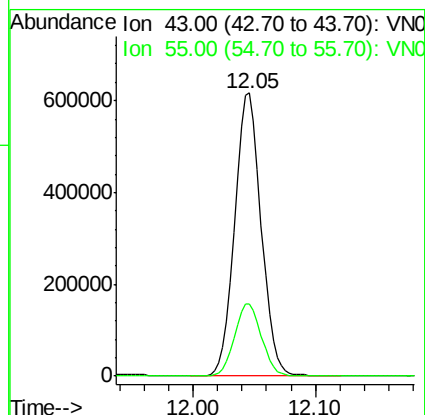
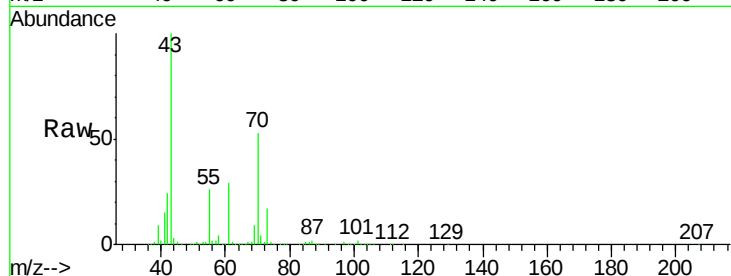
VSTDIC150

Tgt Ion: 43 Resp: 931840

Ion Ratio Lower Upper

43 100

55 26.0 22.7 34.1



#48

t-1,3-Dichloropropene

Concen: 125.66 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061733.D

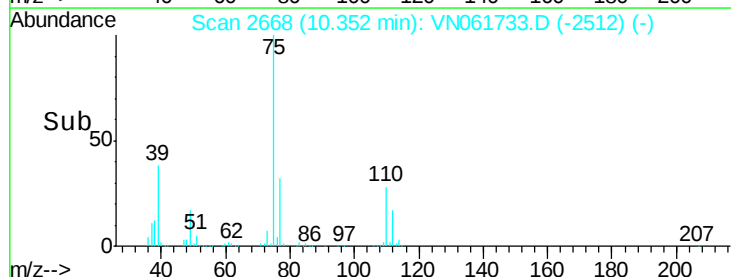
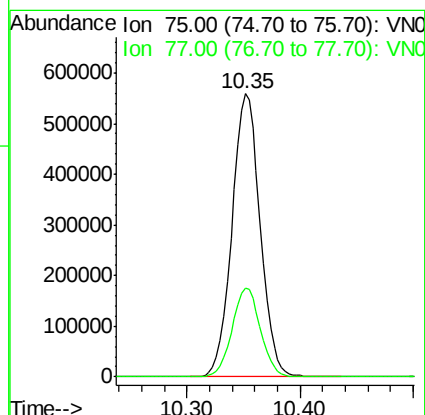
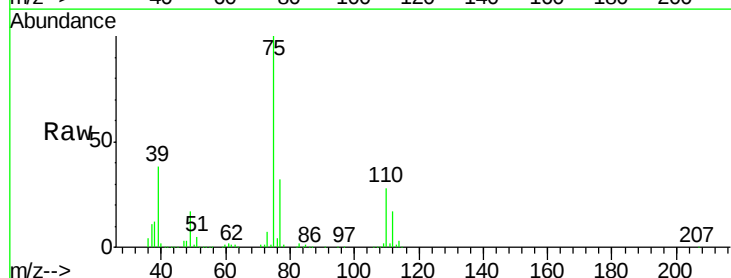
Acq: 10 Jun 2020 12:04

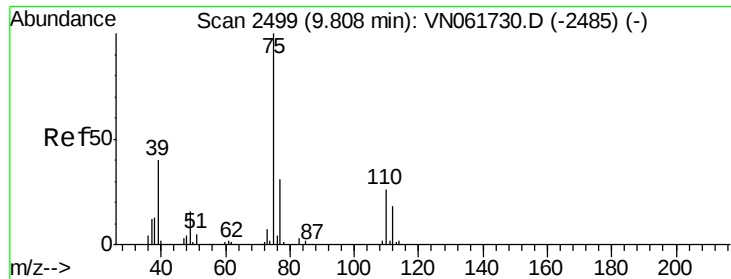
Tgt Ion: 75 Resp: 967434

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

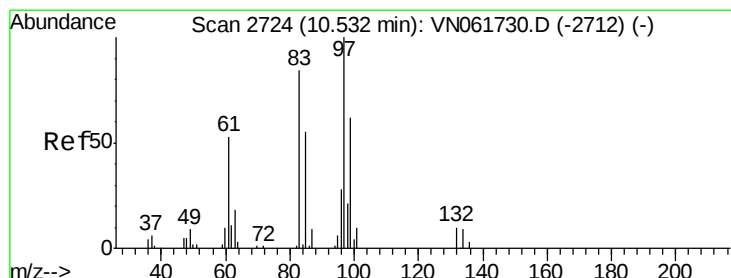
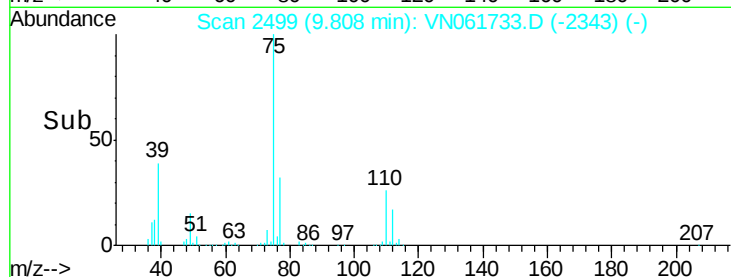
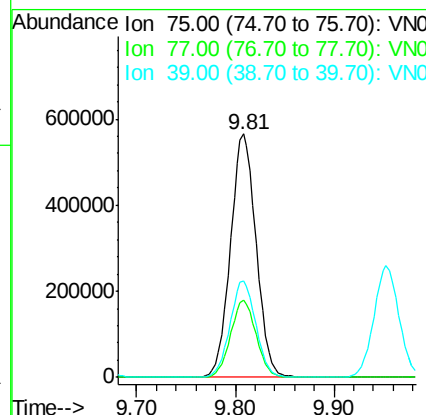
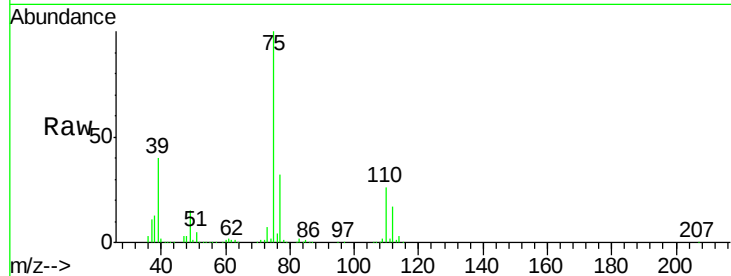




#49
 cis-1,3-Dichloropropene
 Concen: 125.21 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

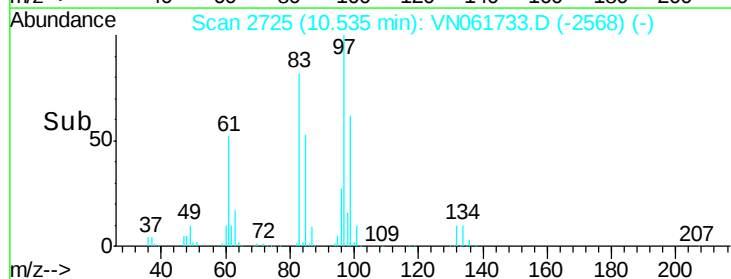
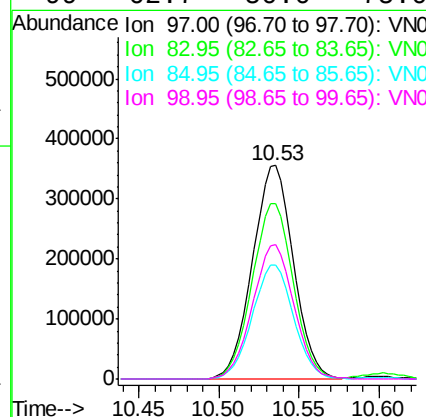
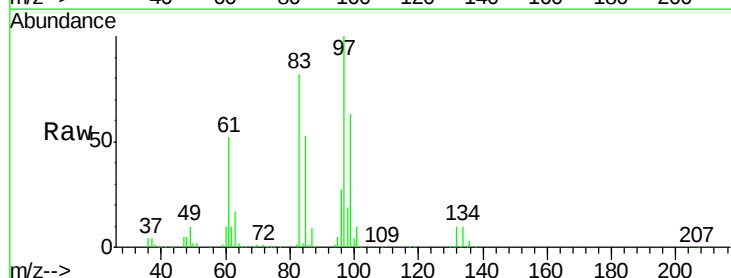
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

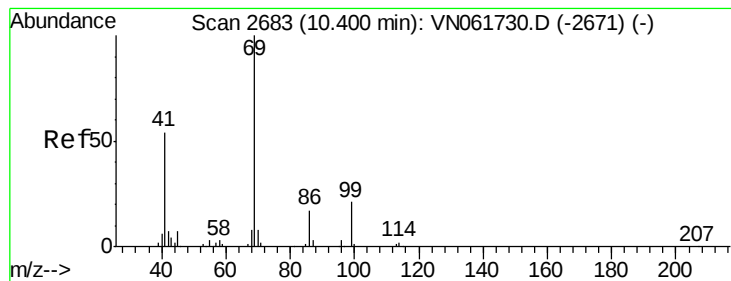
Tgt Ion: 75 Resp: 1030703
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.8 37.2
 39 39.5 31.8 47.6



#50
 1,1,2-Trichloroethane
 Concen: 143.51 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion: 97 Resp: 623302
 Ion Ratio Lower Upper
 97 100
 83 82.4 67.6 101.4
 85 53.5 44.0 66.0
 99 62.7 50.0 75.0





#51

Ethyl methacrylate

Concen: 126.78 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

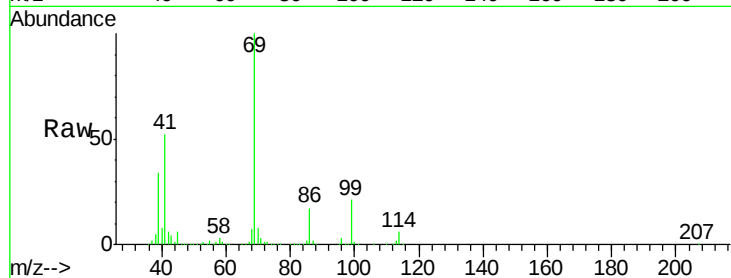
Tgt Ion: 69 Resp: 901773

Ion Ratio Lower Upper

69 100

41 52.1 26.9 80.7

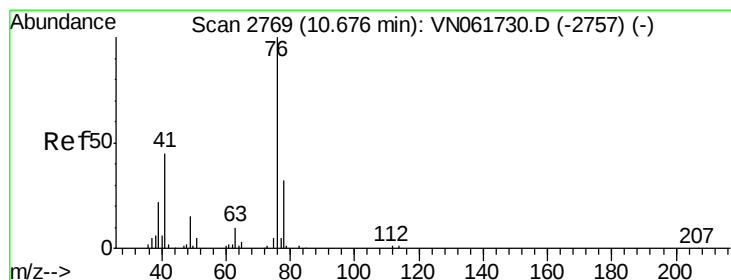
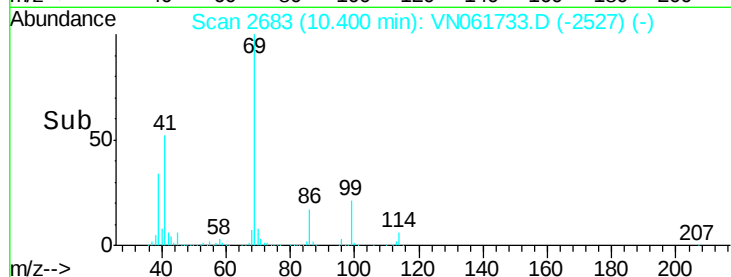
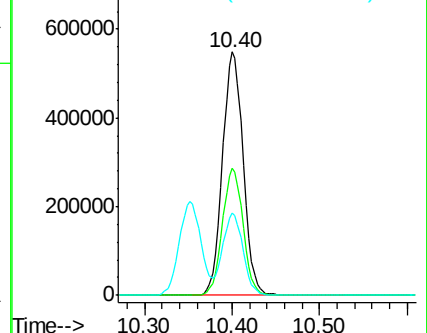
39 33.6 16.7 50.1



Abundance Ion 69.00 (68.70 to 69.70): VN061733.D (-2671) (-)

Ion 41.00 (40.70 to 41.70): VN061733.D (-2671) (-)

Ion 39.00 (38.70 to 39.70): VN061733.D (-2671) (-)



#52

1,3-Dichloropropane

Concen: 131.22 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VN061733.D

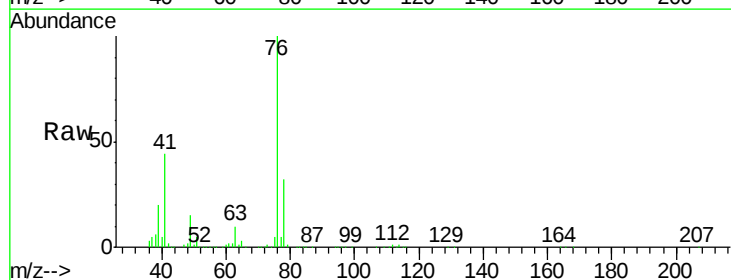
Acq: 10 Jun 2020 12:04

Tgt Ion: 76 Resp: 1009242

Ion Ratio Lower Upper

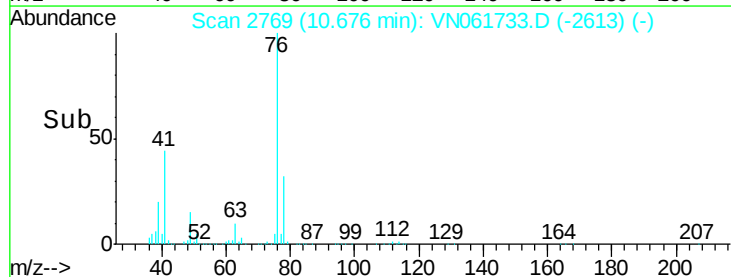
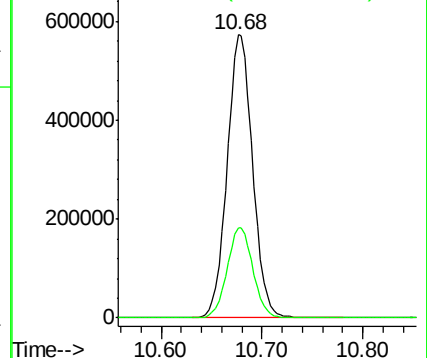
76 100

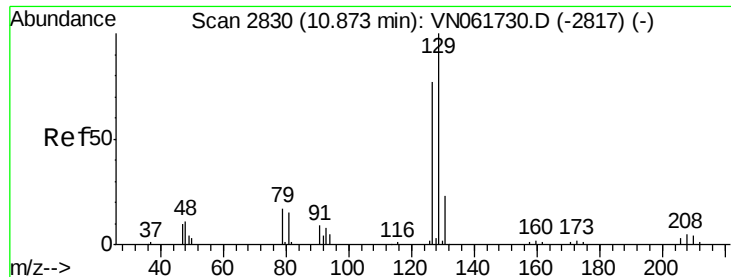
78 32.2 0.0 65.8



Abundance Ion 76.00 (75.70 to 76.70): VN061733.D (-2613) (-)

Ion 78.00 (77.70 to 78.70): VN061733.D (-2613) (-)





#53

Dibromochloromethane

Concen: 157.32 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

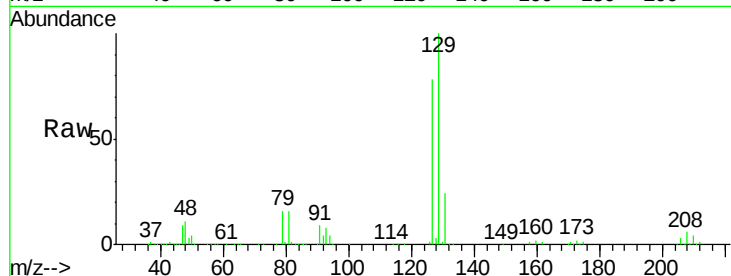
VSTDIC150

Tgt Ion:129 Resp: 758223

Ion Ratio Lower Upper

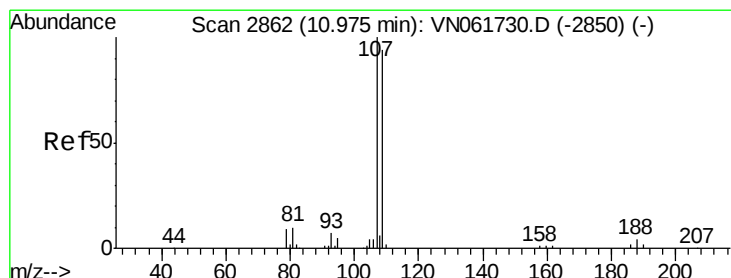
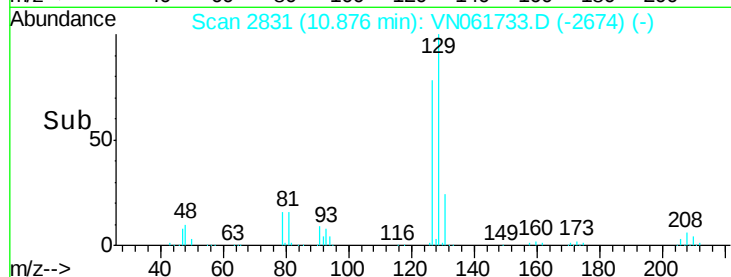
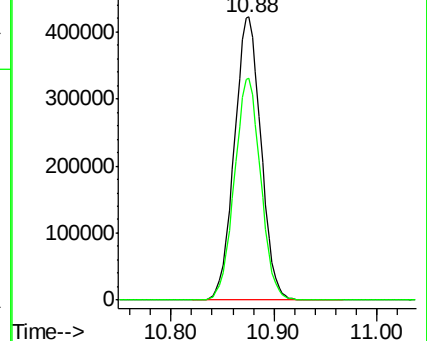
129 100

127 77.5 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 149.62 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061733.D

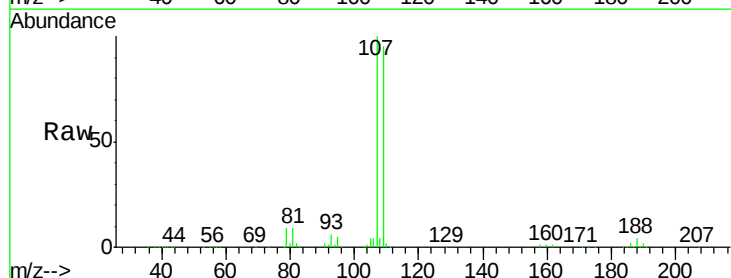
Acq: 10 Jun 2020 12:04

Tgt Ion:107 Resp: 672205

Ion Ratio Lower Upper

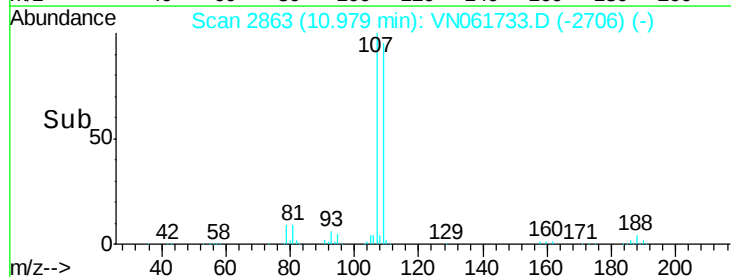
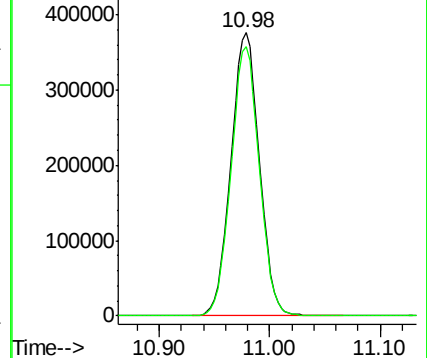
107 100

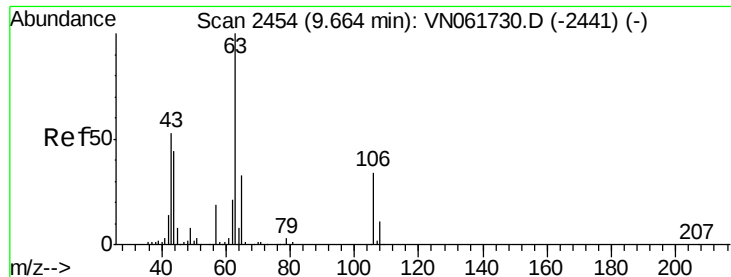
109 94.8 76.6 114.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 591.33 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

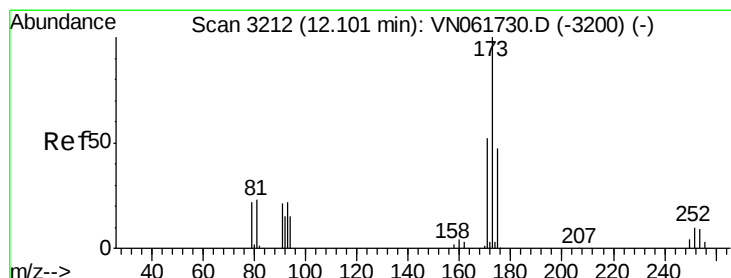
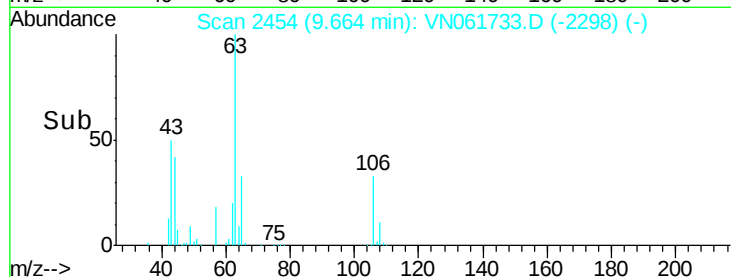
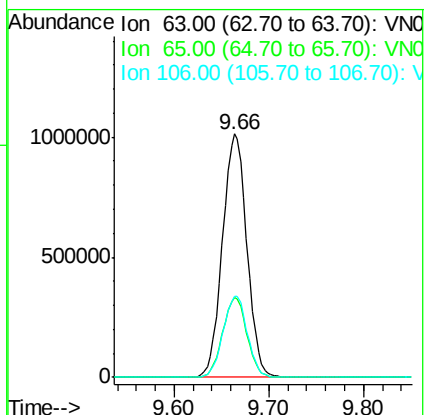
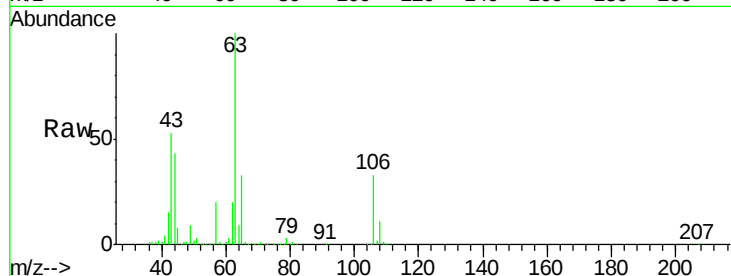
Tgt Ion: 63 Resp: 1816338

Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.8	38.8
106	33.2	26.5	39.7

63 100

65 32.5 25.8 38.8

106 33.2 26.5 39.7



#56

Bromoform

Concen: 181.82 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

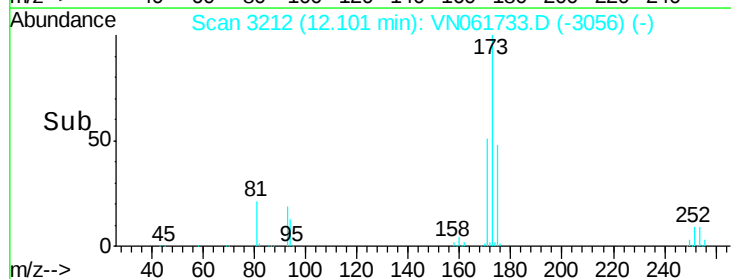
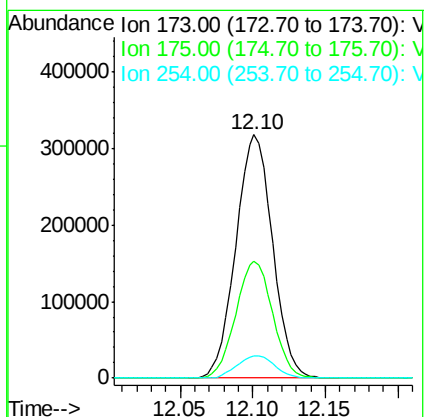
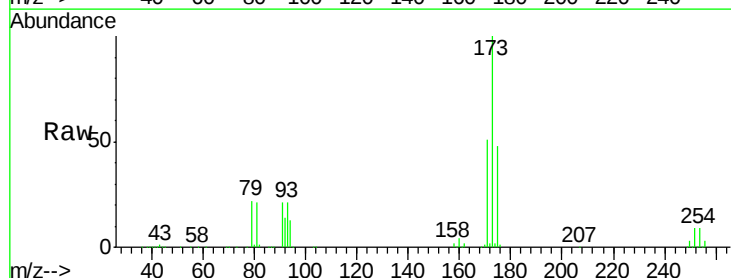
Tgt Ion: 173 Resp: 560180

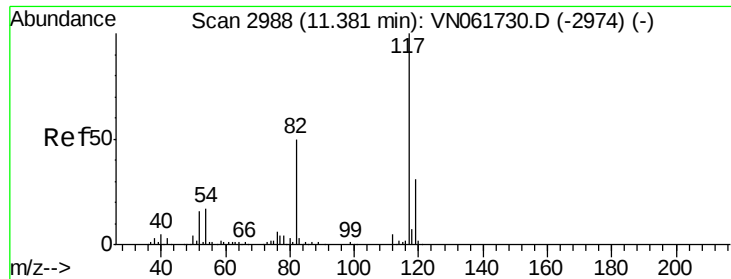
Ion	Ratio	Lower	Upper
173	100		
175	48.2	37.5	56.3
254	9.1	6.9	10.3

173 100

175 48.2 37.5 56.3

254 9.1 6.9 10.3

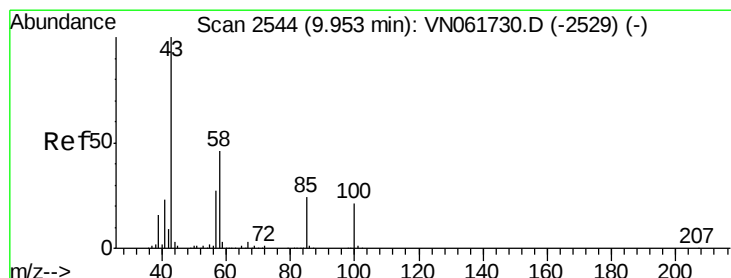
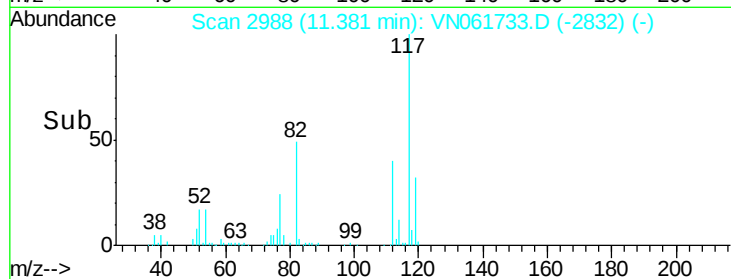
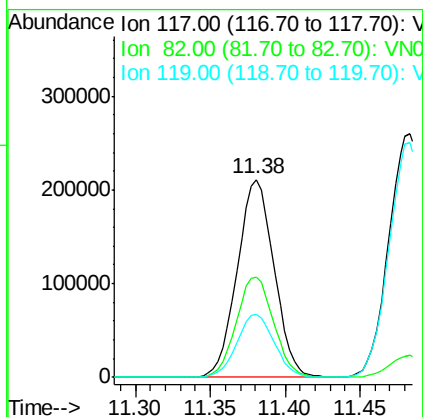
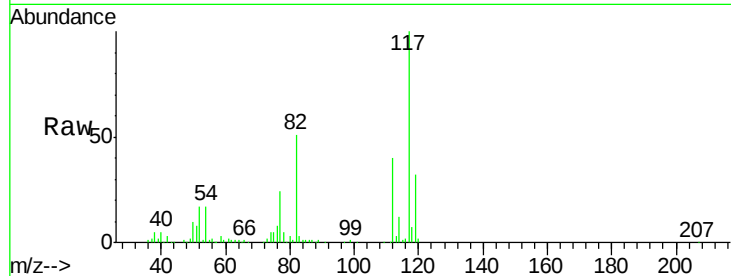




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

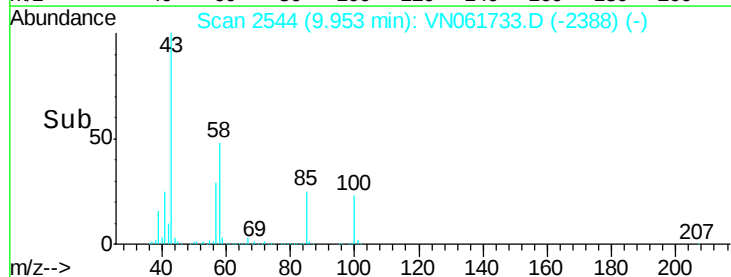
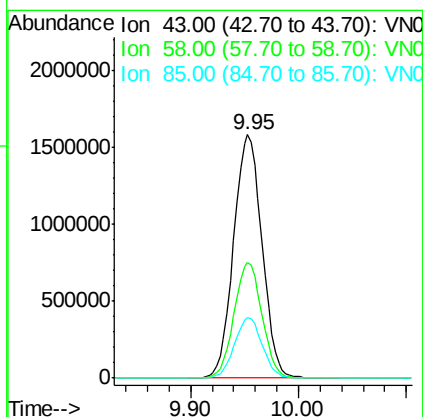
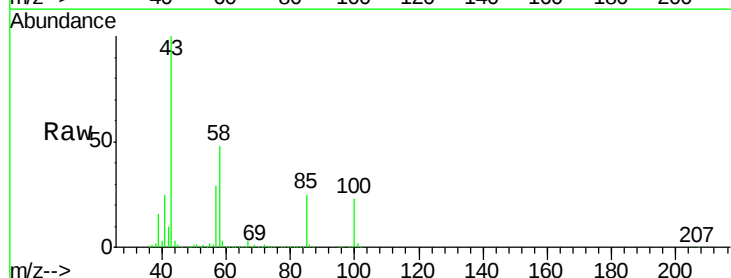
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

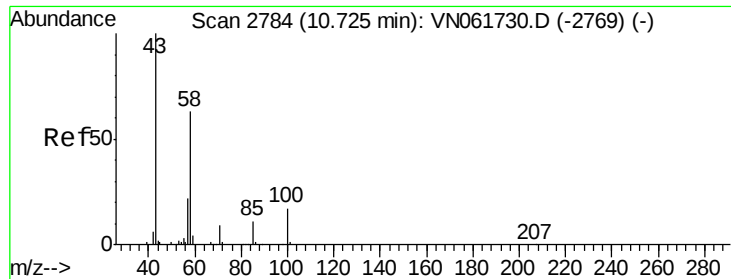
Tgt Ion: 117 Resp: 362235
Ion Ratio Lower Upper
117 100
82 51.5 40.6 60.8
119 32.0 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 484.95 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion: 43 Resp: 2890743
Ion Ratio Lower Upper
43 100
58 46.6 36.6 54.8
85 24.2 19.0 28.6

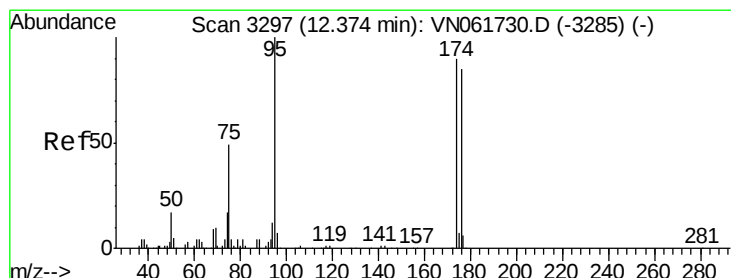
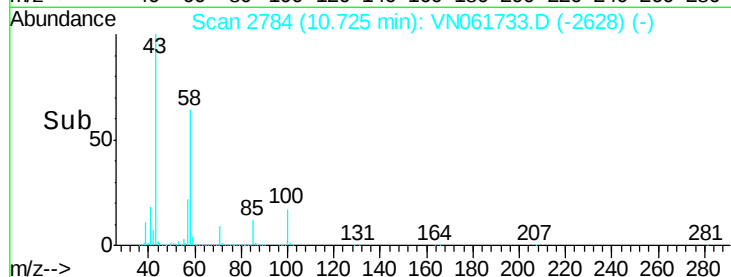
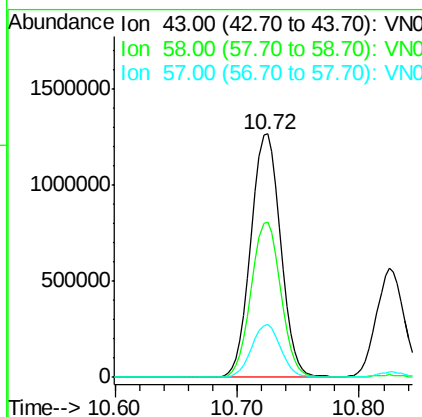
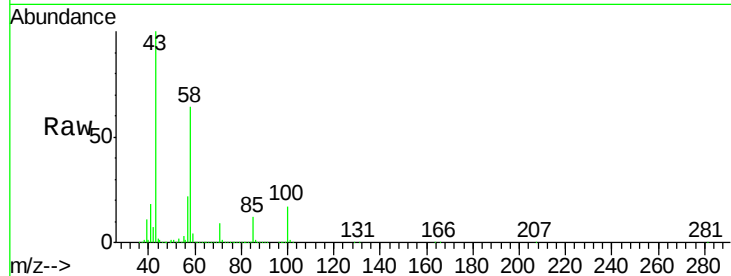




#59
2-Hexanone
Concen: 503.05 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

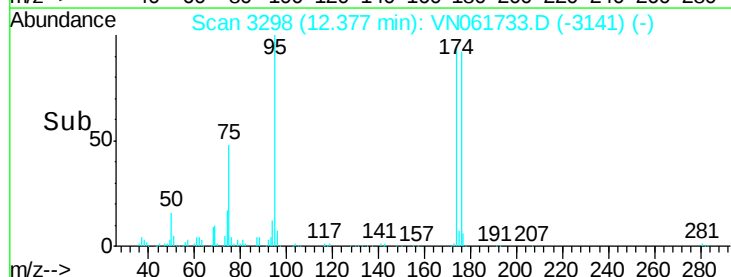
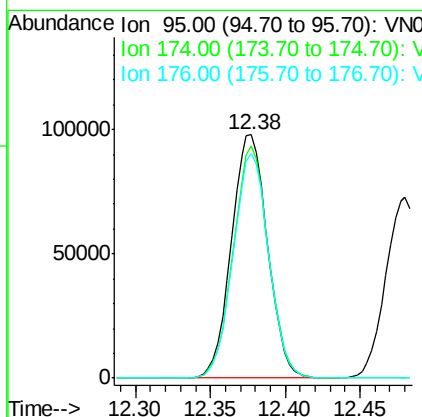
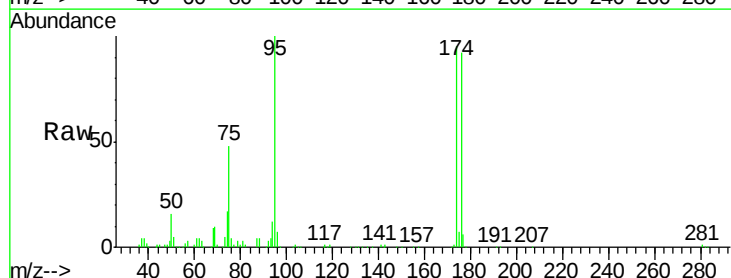
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

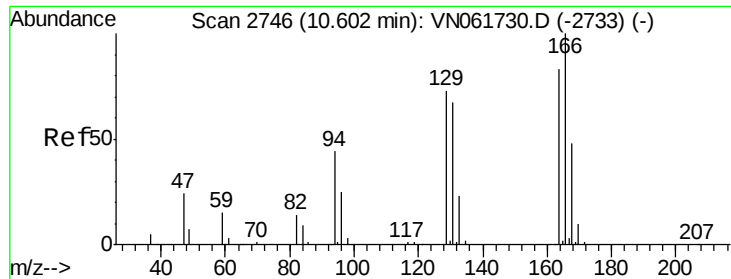
Tgt Ion: 43 Resp: 2124480
Ion Ratio Lower Upper
43 100
58 63.6 50.4 75.6
57 21.4 17.2 25.8



#60
4-Bromofluorobenzene
Concen: 27.34 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion: 95 Resp: 165005
Ion Ratio Lower Upper
95 100
174 93.1 72.8 109.2
176 90.6 69.2 103.8





#61

Tetrachloroethene

Concen: 182.89 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:164 Resp: 857126

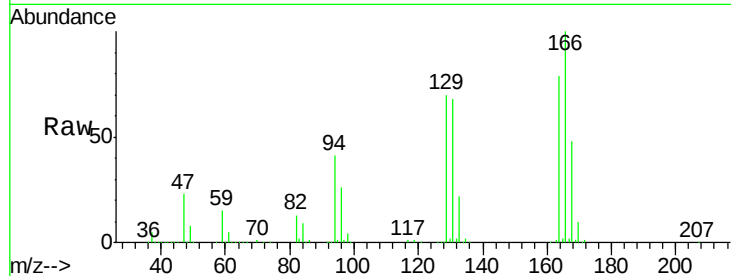
Ion Ratio Lower Upper

164 100

166 127.0 96.6 144.8

129 89.3 70.1 105.1

131 86.6 64.6 96.8

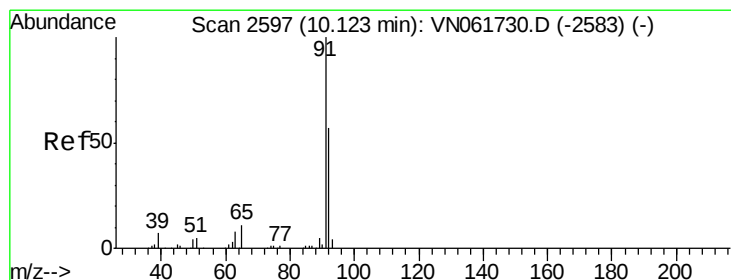
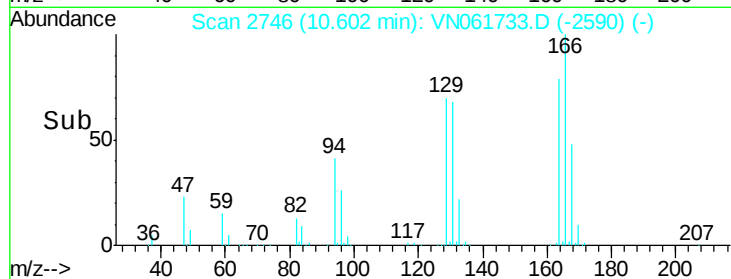
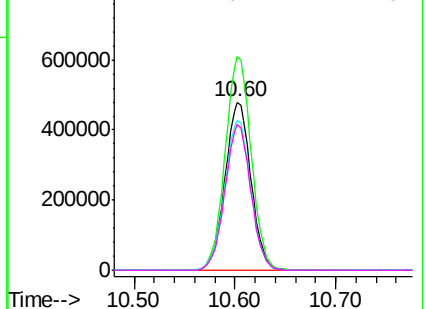


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 132.87 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061733.D

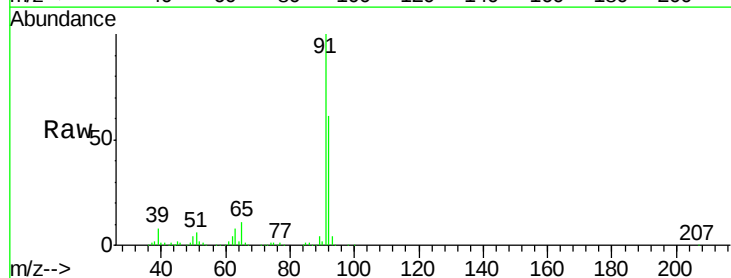
Acq: 10 Jun 2020 12:04

Tgt Ion: 91 Resp: 2699206

Ion Ratio Lower Upper

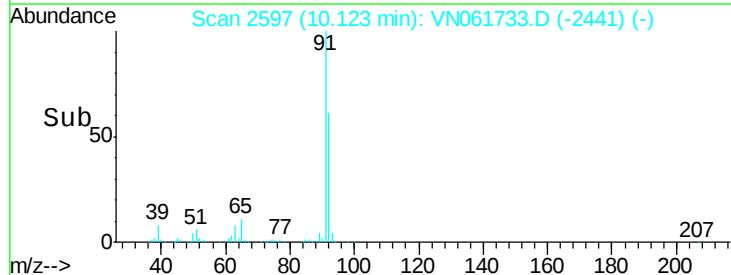
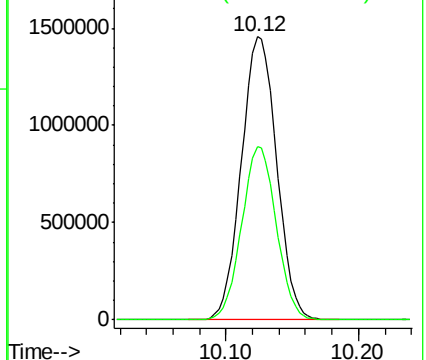
91 100

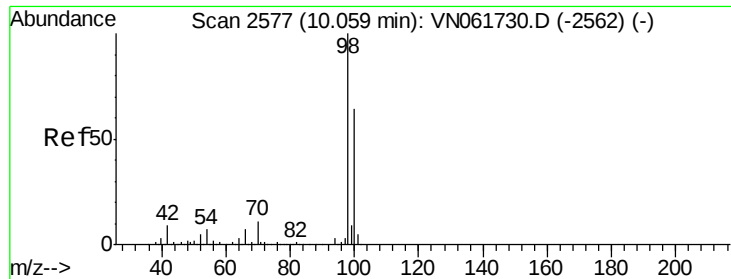
92 60.0 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 27.70 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

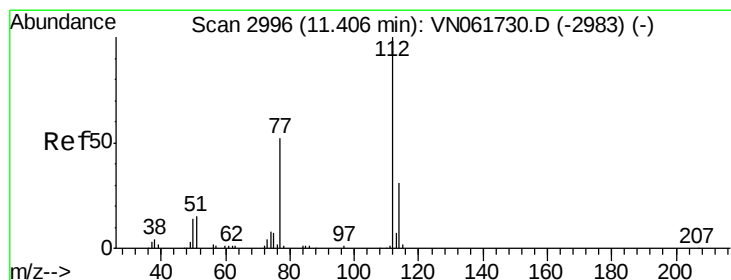
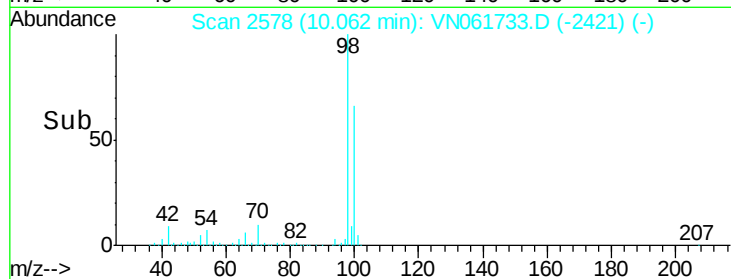
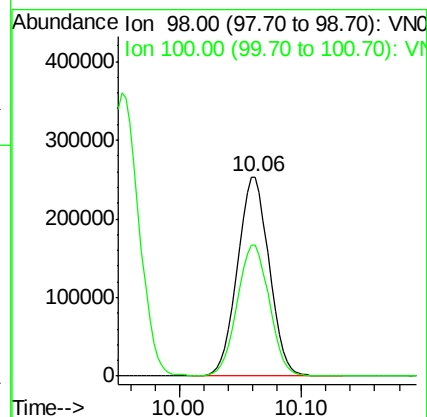
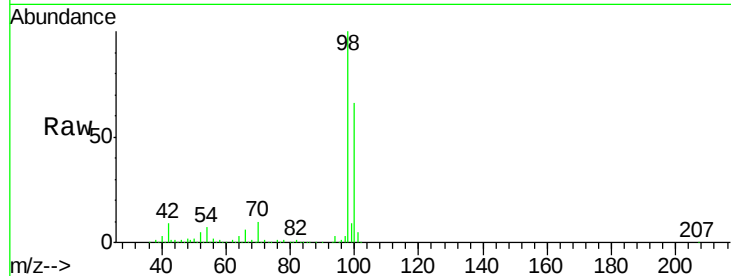
VSTDIC150

Tgt Ion: 98 Resp: 457794

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.4



#64

Chlorobenzene

Concen: 144.29 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061733.D

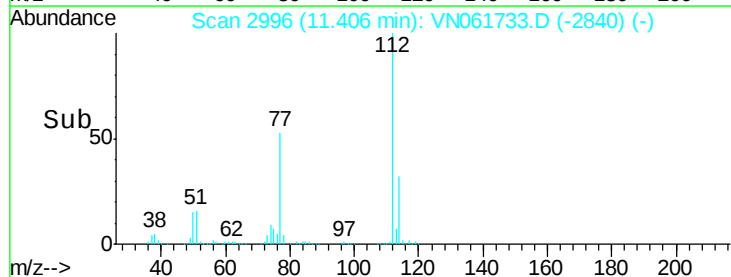
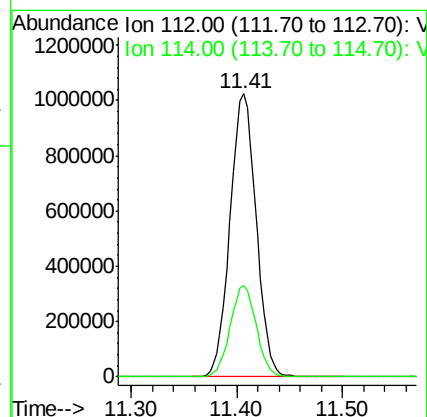
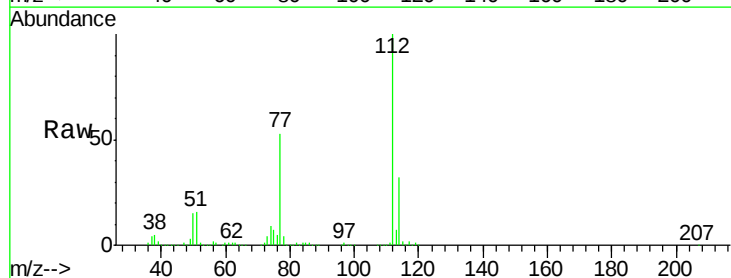
Acq: 10 Jun 2020 12:04

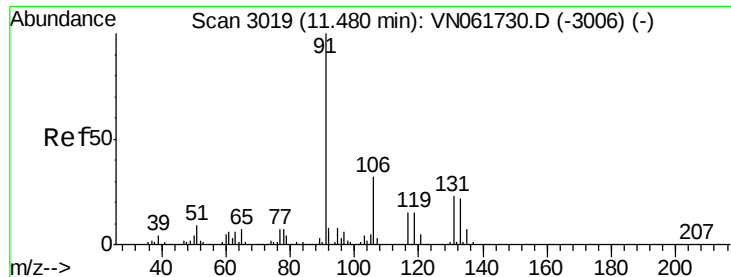
Tgt Ion: 112 Resp: 1756835

Ion Ratio Lower Upper

112 100

114 32.2 24.9 37.3





#65

1,1,1,2-Tetrachloroethane

Concen: 150.98 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

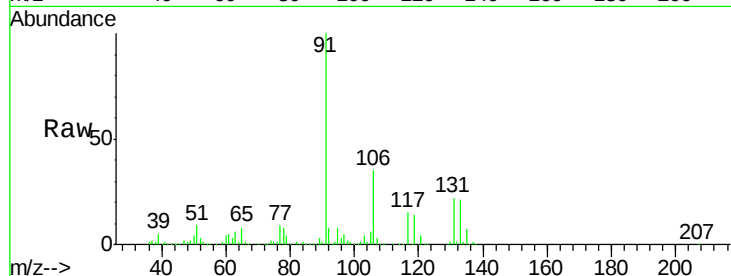
Tgt Ion:131 Resp: 675582

Ion Ratio Lower Upper

131 100

133 95.4 0.0 189.4

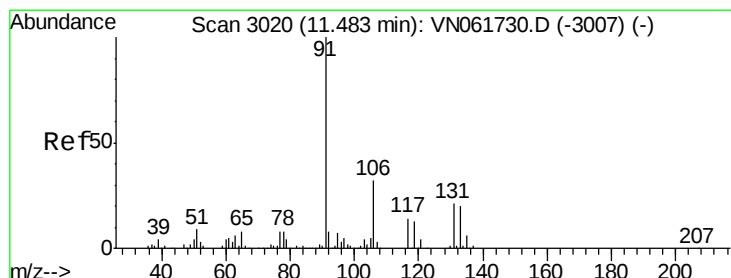
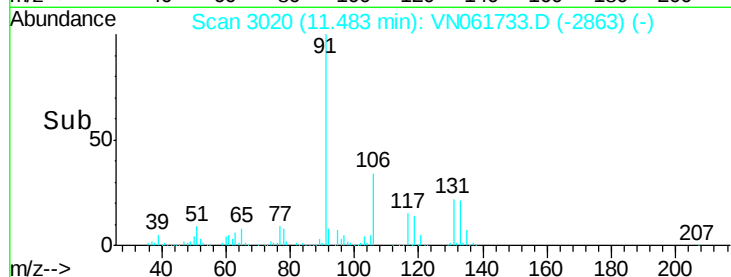
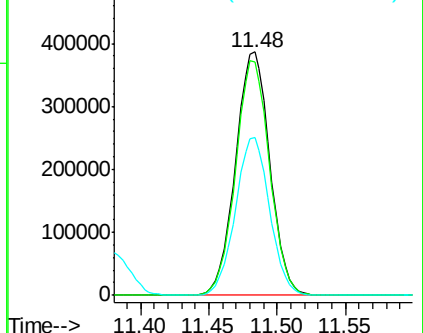
119 64.5 0.0 130.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 129.98 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN061733.D

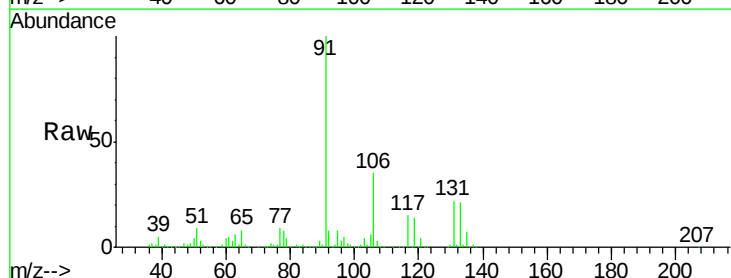
Acq: 10 Jun 2020 12:04

Tgt Ion: 91 Resp: 2999044

Ion Ratio Lower Upper

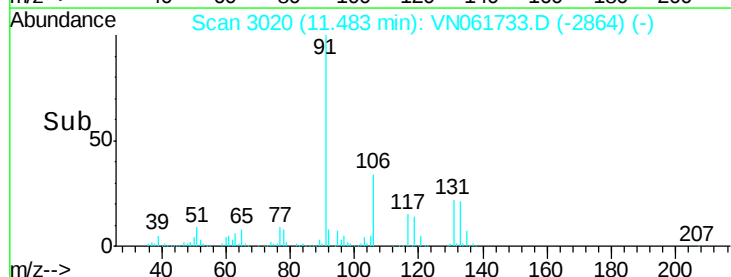
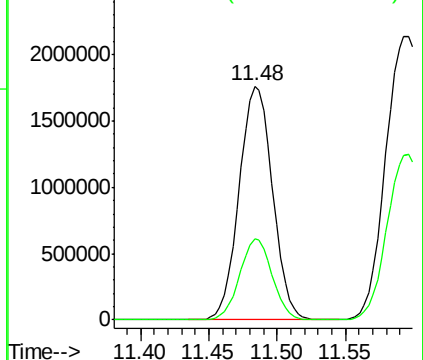
91 100

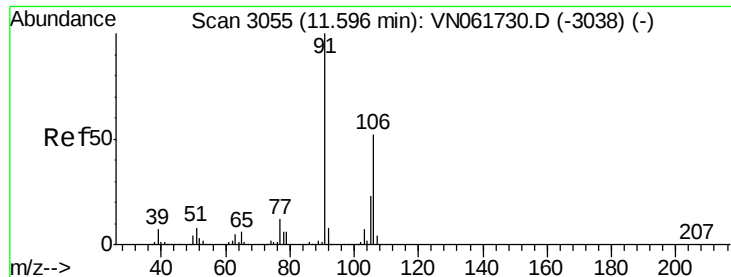
106 34.7 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 283.28 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

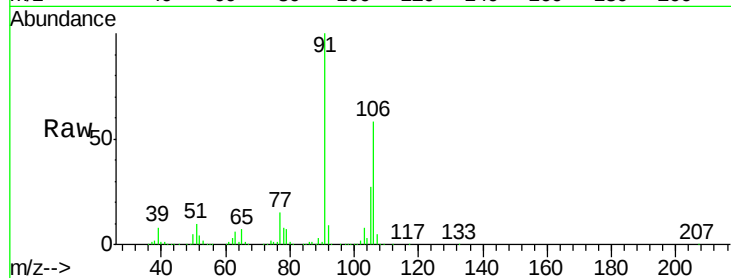
VSTDIC150

Tgt Ion:106 Resp: 2447101

Ion Ratio Lower Upper

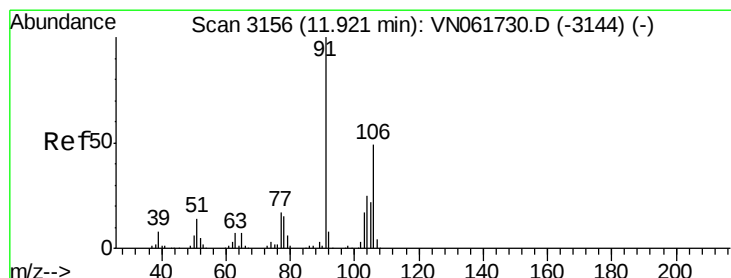
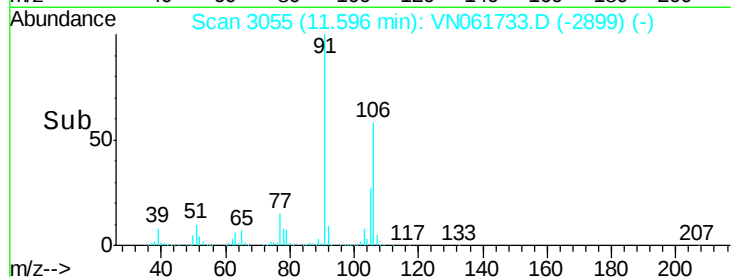
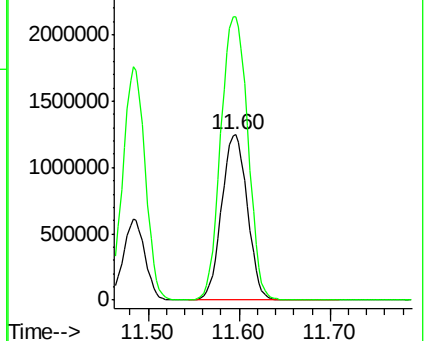
106 100

91 180.1 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 143.13 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN061733.D

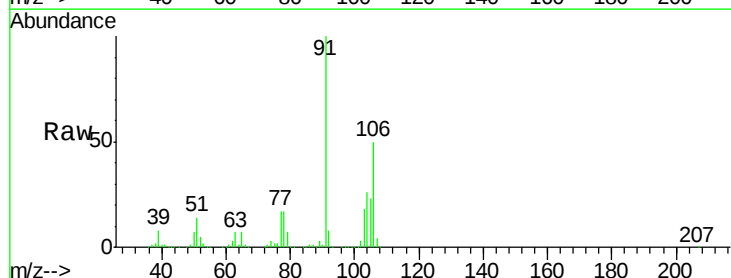
Acq: 10 Jun 2020 12:04

Tgt Ion:106 Resp: 1176081

Ion Ratio Lower Upper

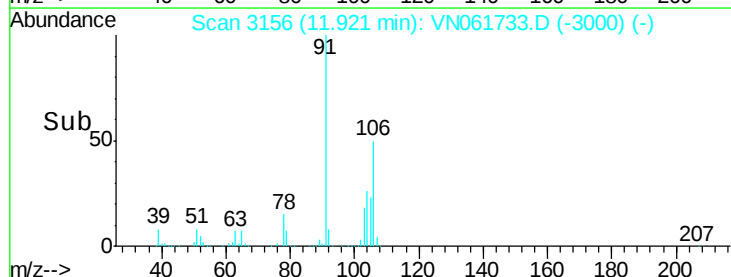
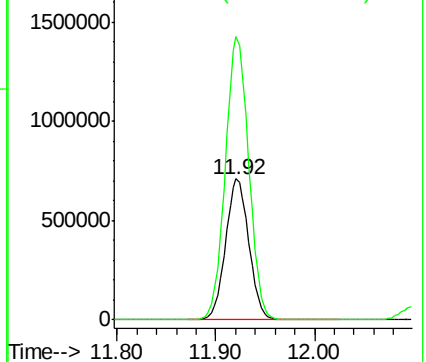
106 100

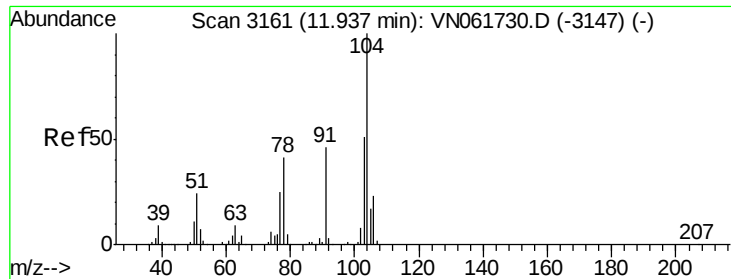
91 202.3 101.9 305.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

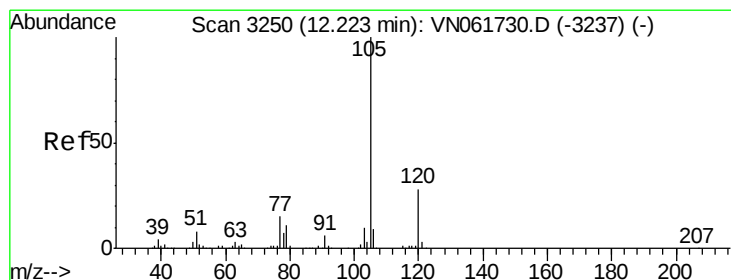
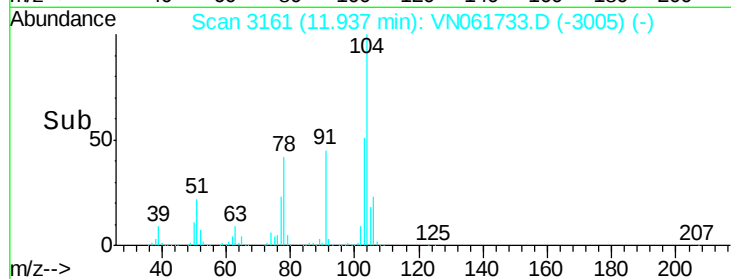
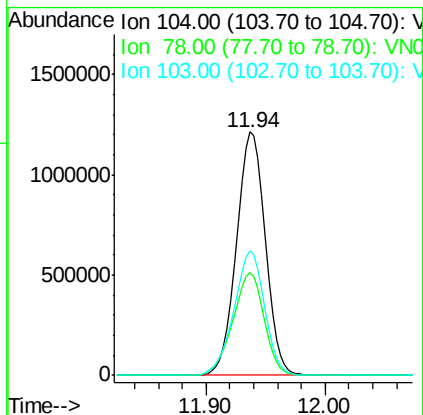
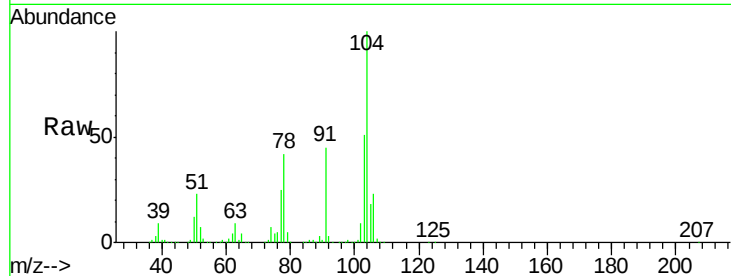




#69
Styrene
Concen: 144.79 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

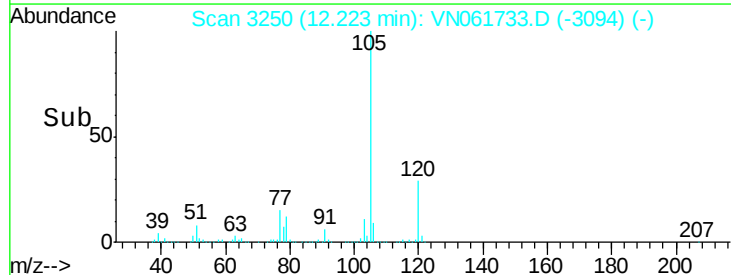
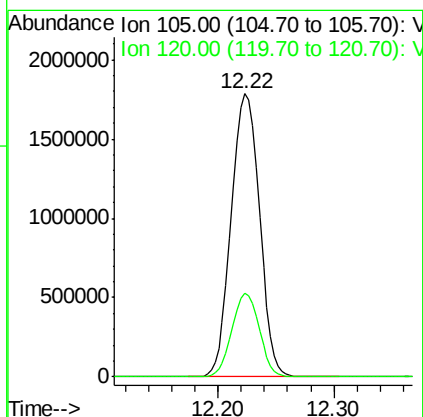
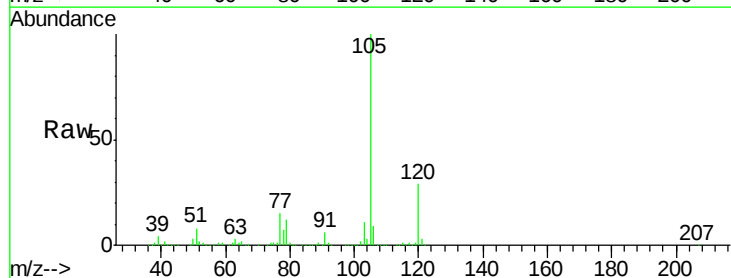
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

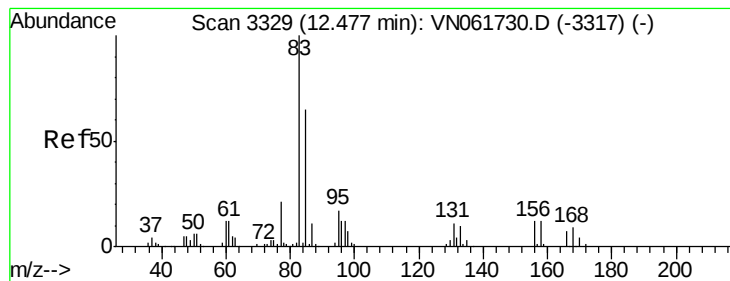
Tgt Ion:104 Resp: 2042209
Ion Ratio Lower Upper
104 100
78 45.8 36.5 54.7
103 54.2 43.4 65.2



#70
Isopropylbenzene
Concen: 135.57 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion:105 Resp: 3010340
Ion Ratio Lower Upper
105 100
120 28.4 19.3 35.8





#71

1,1,2,2-Tetrachloroethane

Concen: 125.31 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

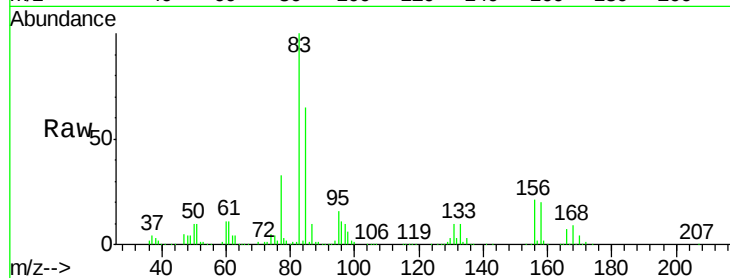
Tgt Ion: 83 Resp: 759522

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.0

85 64.3 33.0 98.9



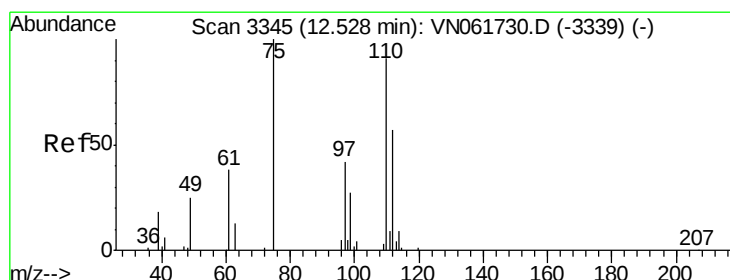
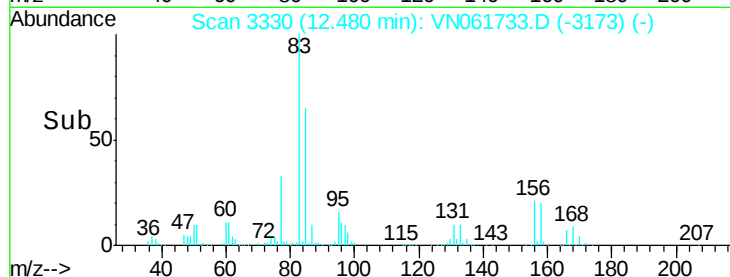
Abundance Ion 83.00 (82.70 to 83.70): VN061733.D (-3173) (-)

Ion 131.00 (130.70 to 131.70): VN061733.D (-3173) (-)

Ion 85.00 (84.70 to 85.70): VN061733.D (-3173) (-)

12.48

Time-->



#72

1,2,3-Trichloropropane

Concen: 184.67 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061733.D

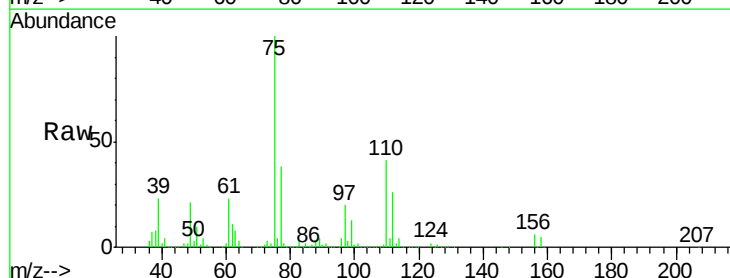
Acq: 10 Jun 2020 12:04

Tgt Ion: 75 Resp: 1057495

Ion Ratio Lower Upper

75 100

77 134.7 0.0 371.8

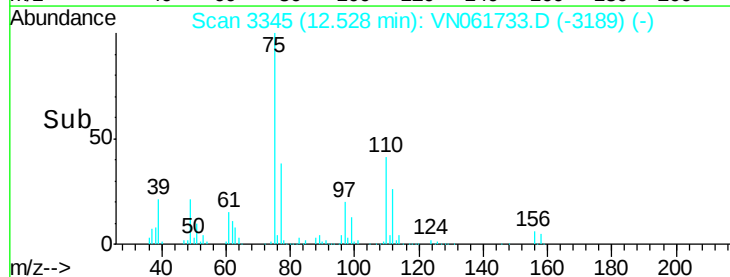


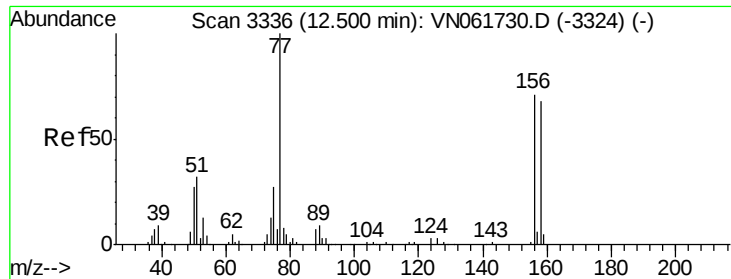
Abundance Ion 75.00 (74.70 to 75.70): VN061733.D (-3189) (-)

Ion 77.00 (76.70 to 77.70): VN061733.D (-3189) (-)

12.53

Time-->





#73

Bromobenzene

Concen: 171.64 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

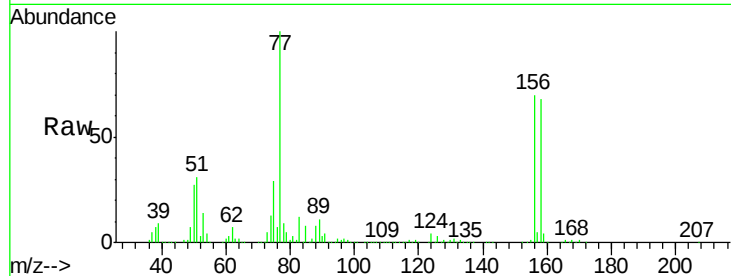
Tgt Ion:156 Resp: 829944

Ion Ratio Lower Upper

156 100

77 171.7 0.0 350.0

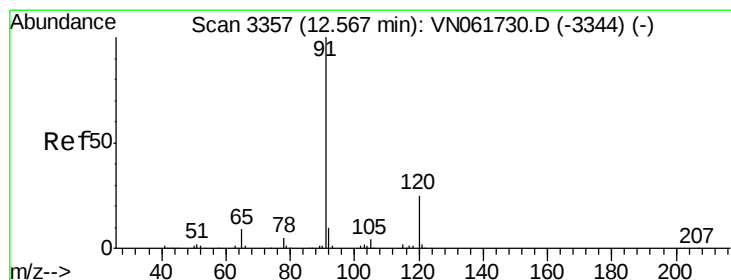
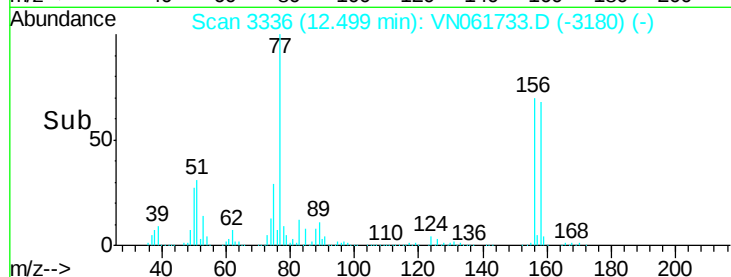
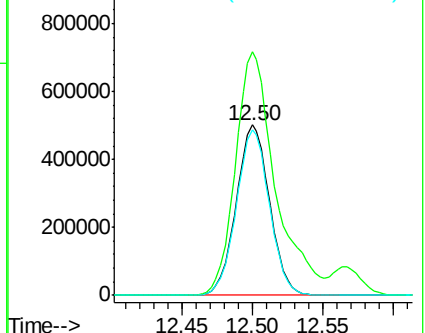
158 96.3 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 127.34 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061733.D

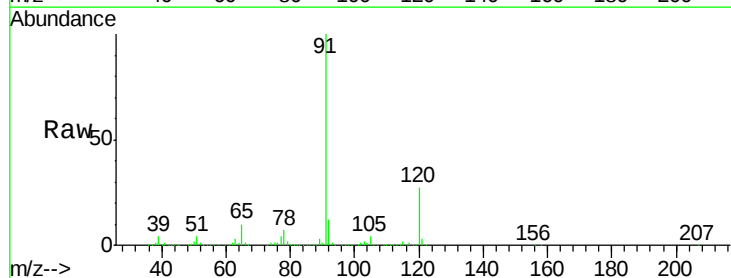
Acq: 10 Jun 2020 12:04

Tgt Ion: 91 Resp: 3337371

Ion Ratio Lower Upper

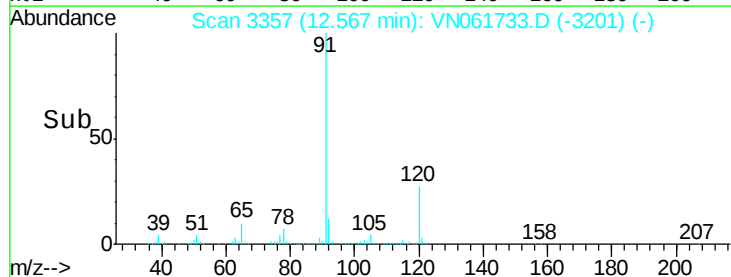
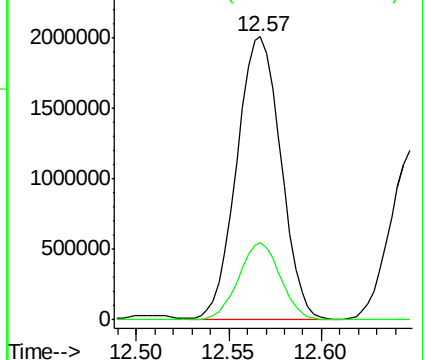
91 100

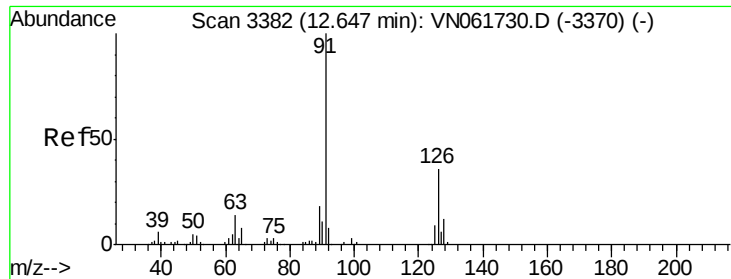
120 25.8 0.0 48.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 134.31 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

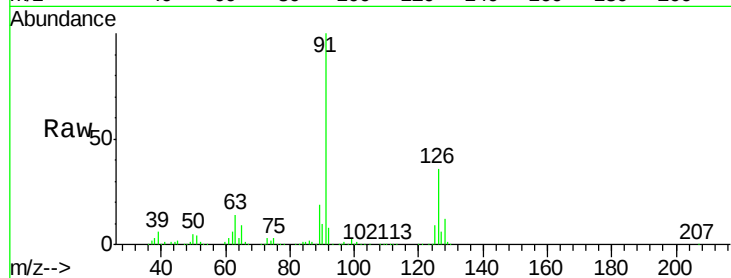
VSTDIC150

Tgt Ion: 91 Resp: 2017795

Ion Ratio Lower Upper

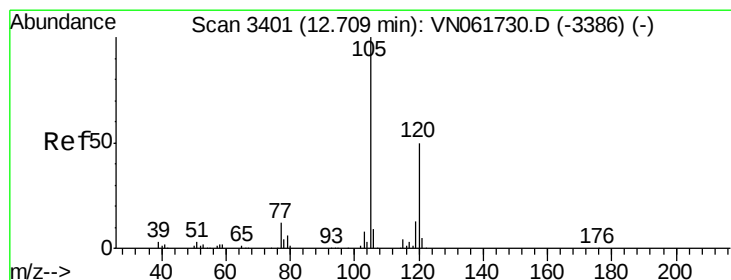
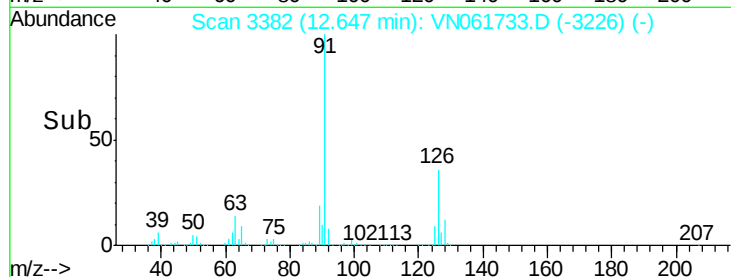
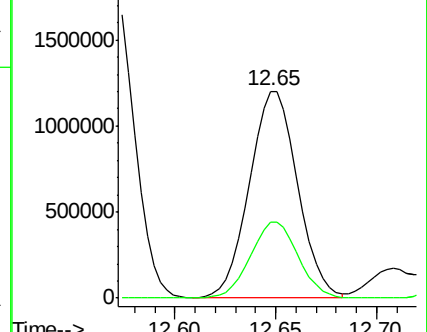
91 100

126 36.4 0.0 72.0



Abundance Ion 91.00 (90.70 to 91.70): VN061733.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN061733.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 136.98 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061733.D

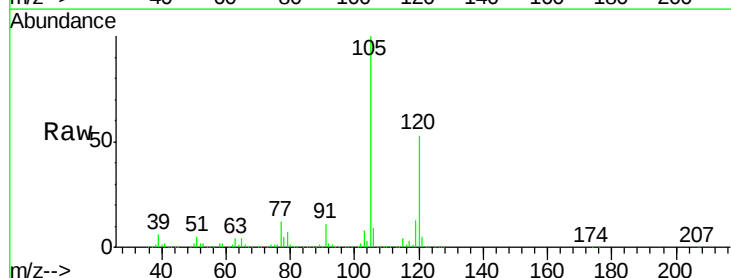
Acq: 10 Jun 2020 12:04

Tgt Ion: 105 Resp: 2548501

Ion Ratio Lower Upper

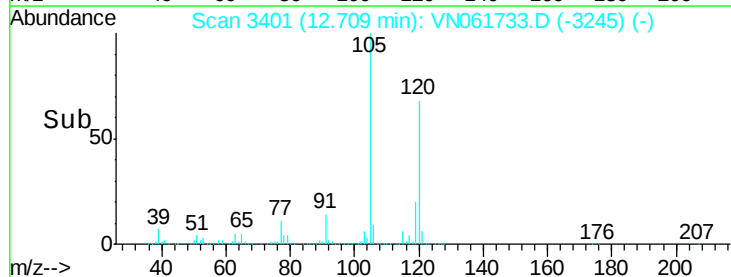
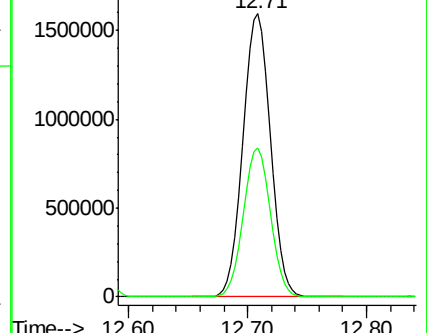
105 100

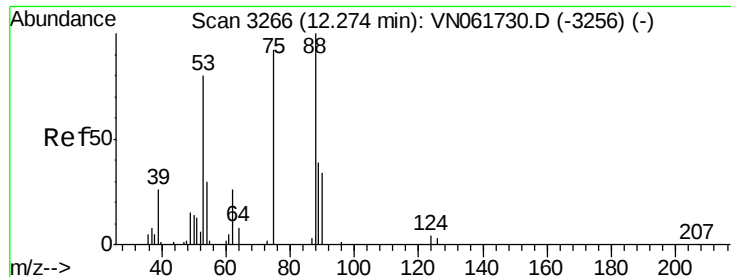
120 52.0 0.0 101.6



Abundance Ion 105.00 (104.70 to 105.70): VN061733.D (-3386) (-)

Ion 120.00 (119.70 to 120.70): VN061733.D (-3386) (-)

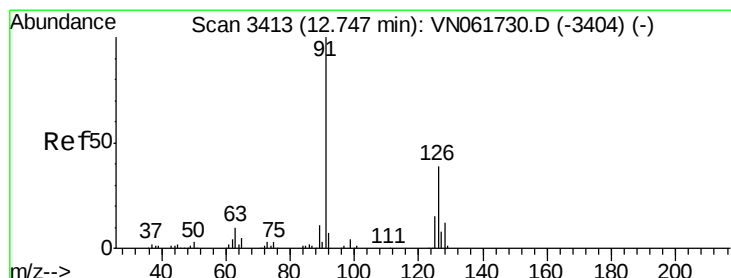
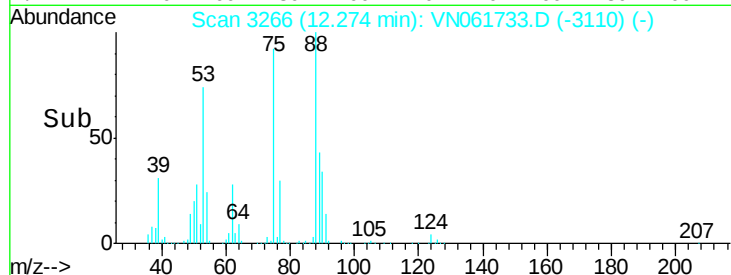
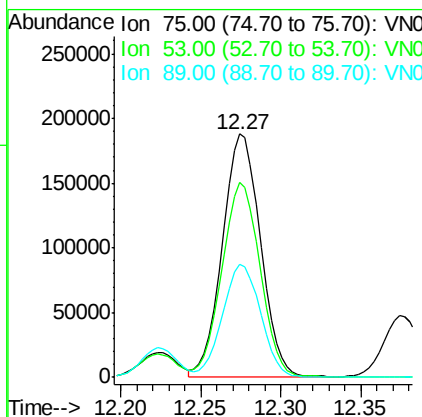
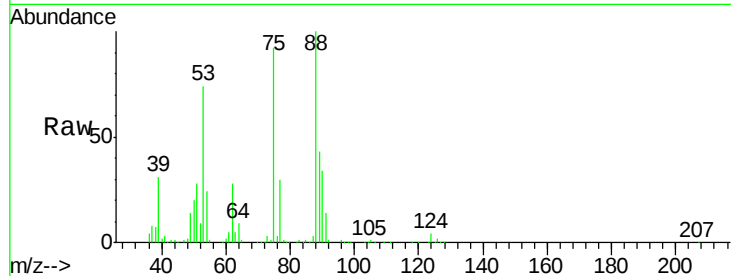




#77
t-1,4-Dichloro-2-butene
Concen: 129.59 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

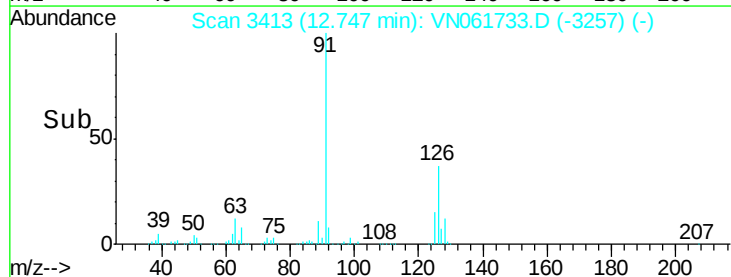
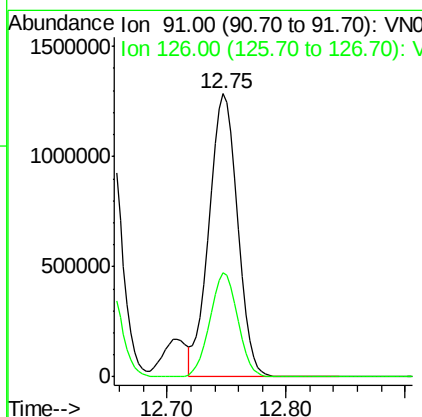
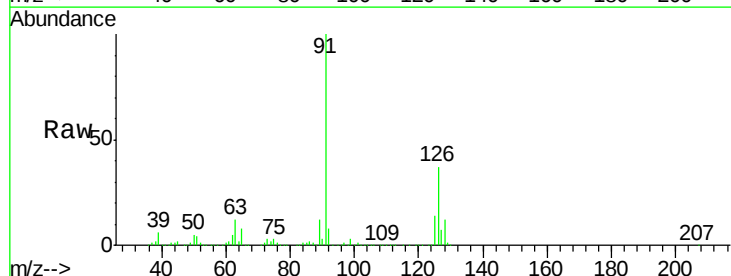
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

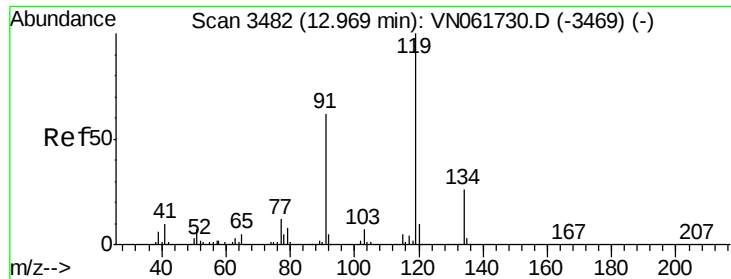
Tgt Ion: 75 Resp: 306469
Ion Ratio Lower Upper
75 100
53 79.8 43.8 131.4
89 46.5 23.1 69.2



#78
4-Chlorotoluene
Concen: 135.36 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion: 91 Resp: 2134064
Ion Ratio Lower Upper
91 100
126 35.8 0.0 70.4

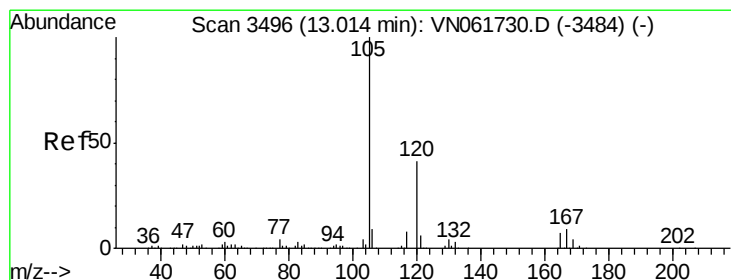
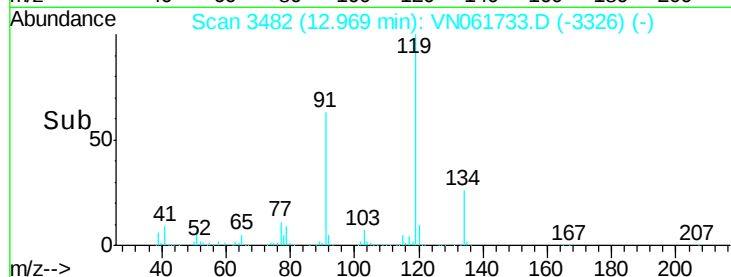
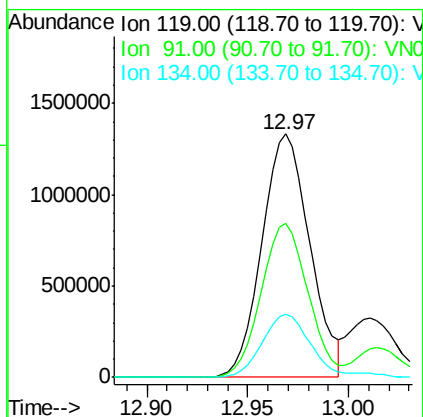
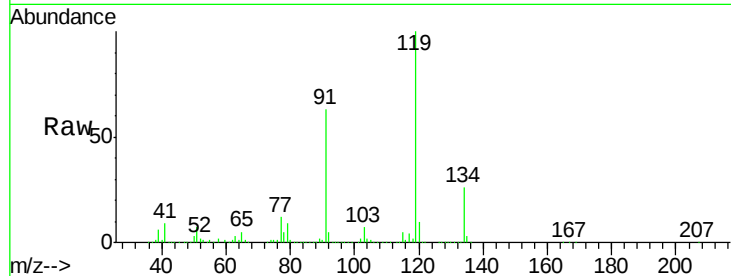




#79
tert-butylbenzene
Concen: 142.13 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

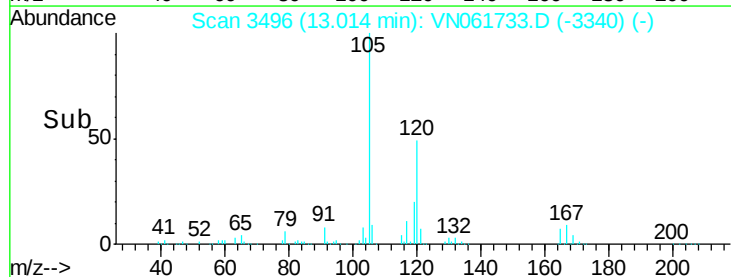
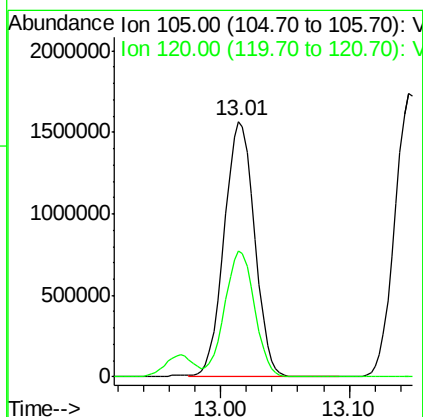
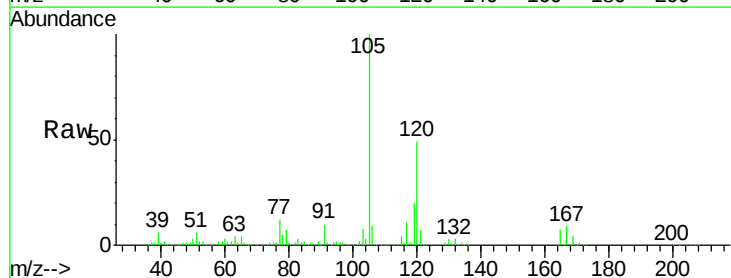
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

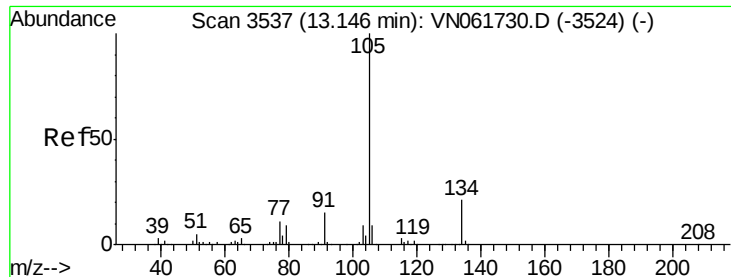
Tgt Ion:119 Resp: 2201960
Ion Ratio Lower Upper
119 100
91 62.1 0.0 124.6
134 27.0 0.0 51.4



#80
1,2,4-Trimethylbenzene
Concen: 137.15 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion:105 Resp: 2558128
Ion Ratio Lower Upper
105 100
120 48.6 0.0 95.4





#81

sec-Butylbenzene

Concen: 133.12 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

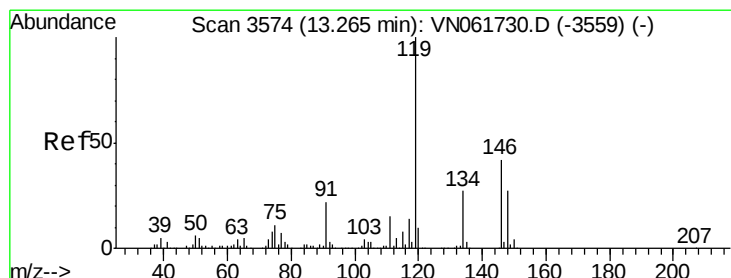
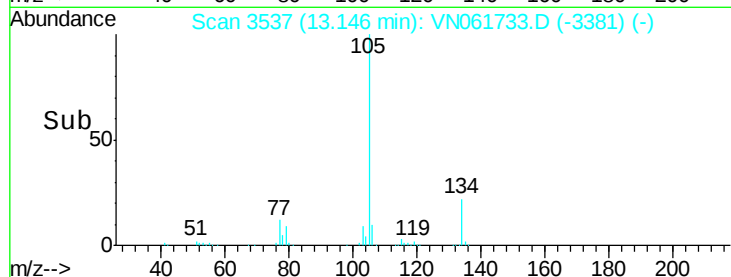
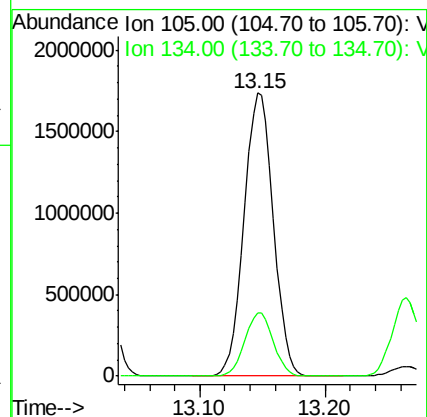
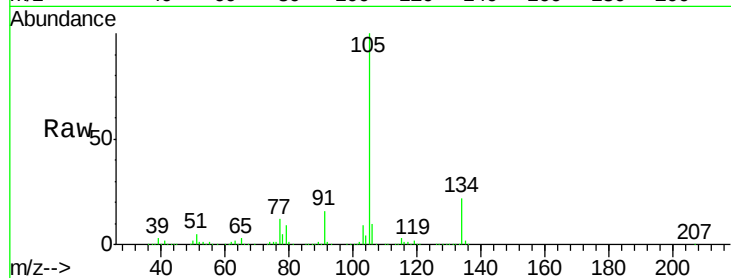
VSTDIC150

Tgt Ion:105 Resp: 2821834

Ion Ratio Lower Upper

105 100

134 21.8 0.0 41.8



#82

p-Isopropyltoluene

Concen: 138.50 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

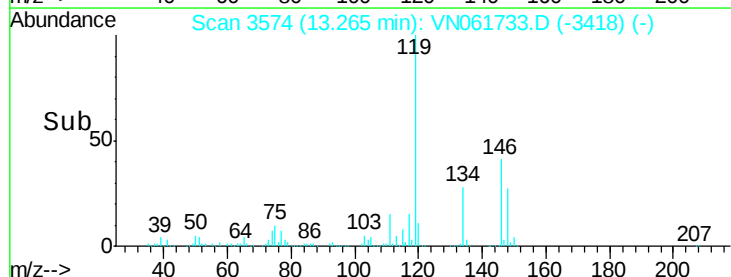
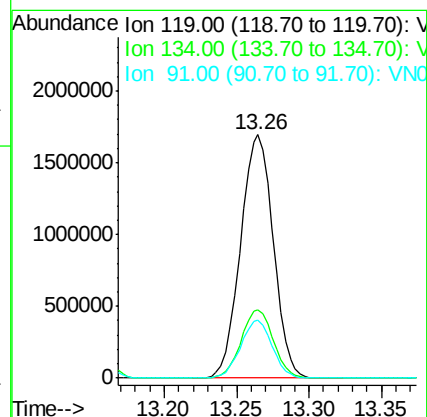
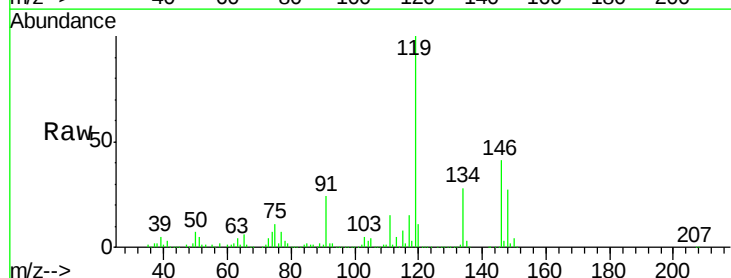
Tgt Ion:119 Resp: 2656094

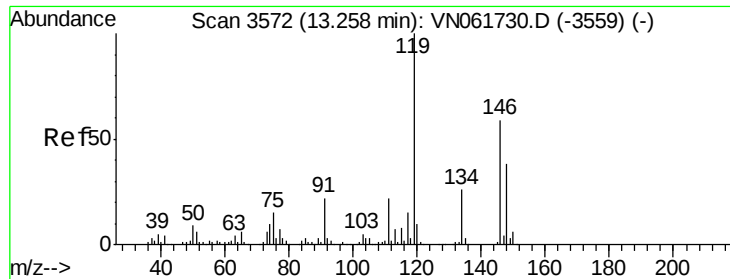
Ion Ratio Lower Upper

119 100

134 27.6 0.0 53.4

91 22.8 0.0 45.2

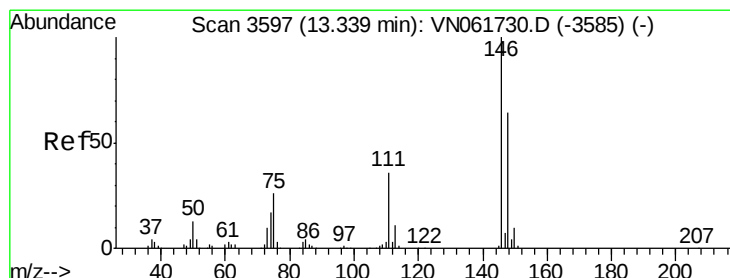
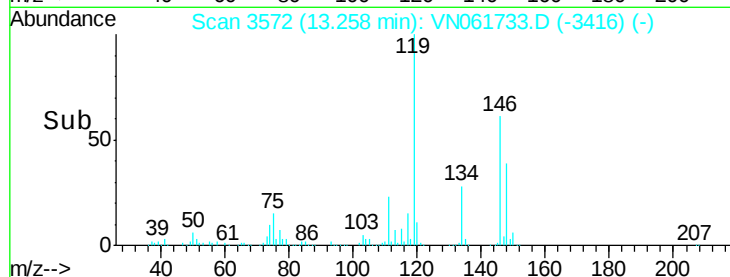
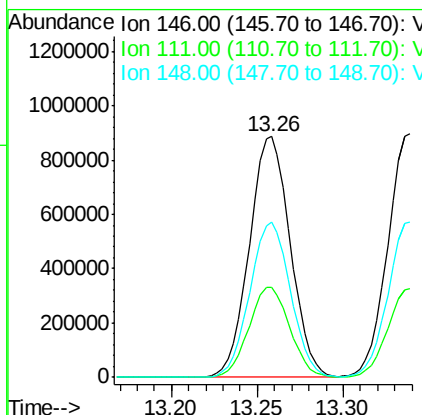
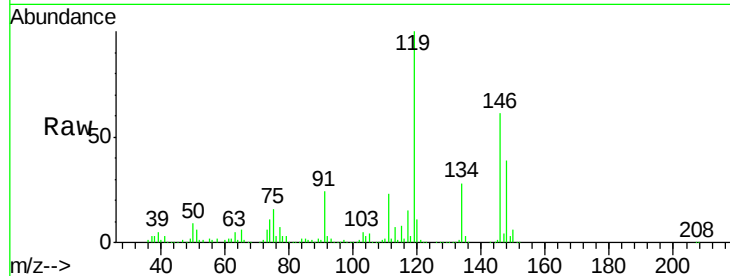




#83
 1,3-Dichlorobenzene
 Concen: 163.72 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

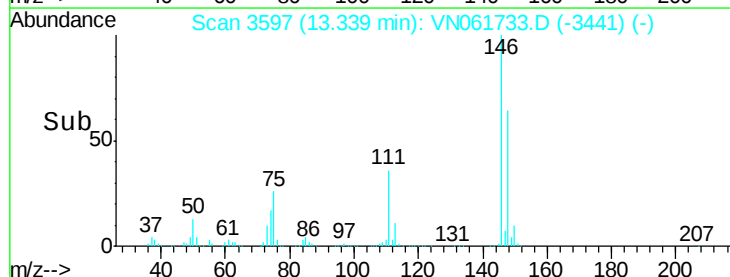
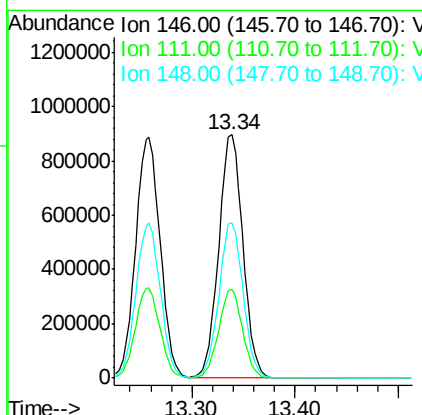
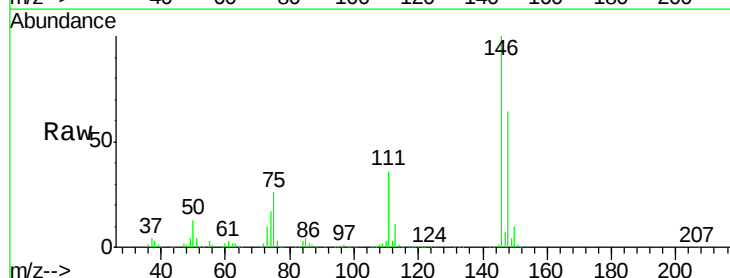
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

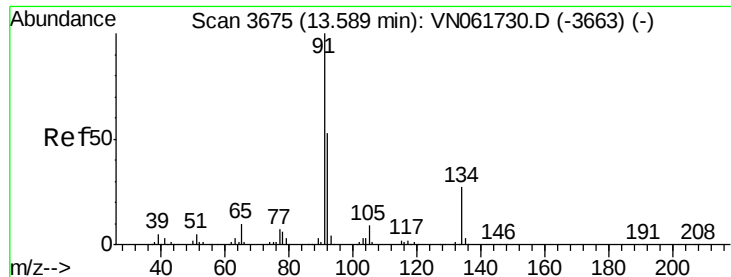
Tgt Ion:146 Resp: 1462961
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.7 56.1
 148 64.1 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 166.20 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion:146 Resp: 1461738
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.6 55.8
 148 63.7 32.2 96.6





#85

n-Butylbenzene

Concen: 128.08 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

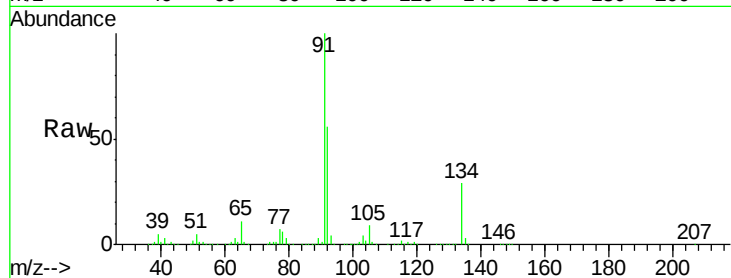
Tgt Ion: 91 Resp: 2230247

Ion Ratio Lower Upper

91 100

92 55.1 0.0 107.2

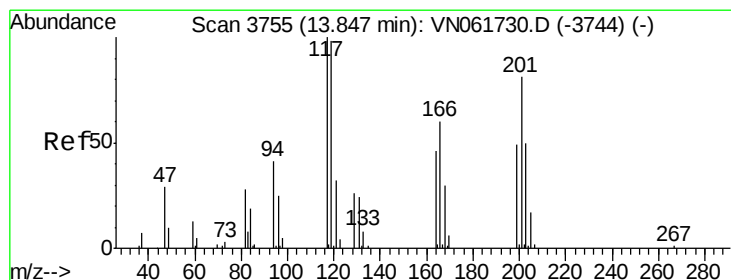
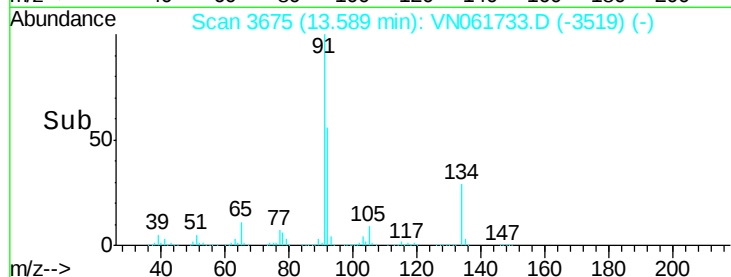
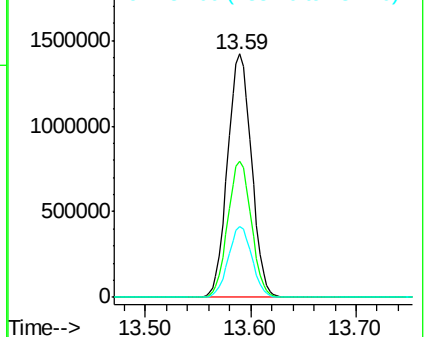
134 28.7 0.0 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN061733.D (-3663) (-)

Ion 92.00 (91.70 to 92.70): VN061733.D (-3663) (-)

Ion 134.00 (133.70 to 134.70): VN061733.D (-3663) (-)



#86

Hexachloroethane

Concen: 142.01 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061733.D

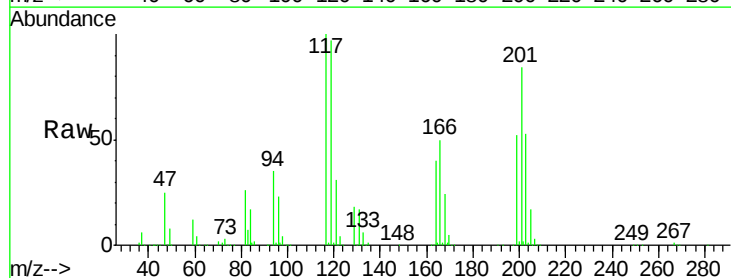
Acq: 10 Jun 2020 12:04

Tgt Ion: 117 Resp: 375794

Ion Ratio Lower Upper

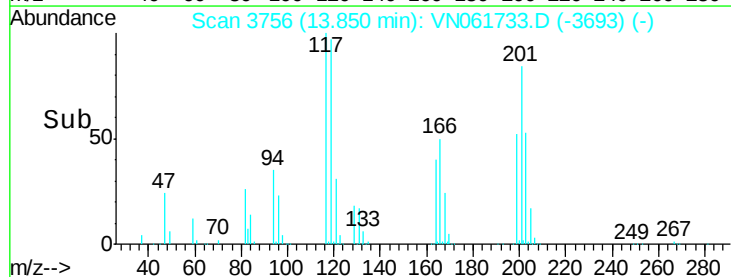
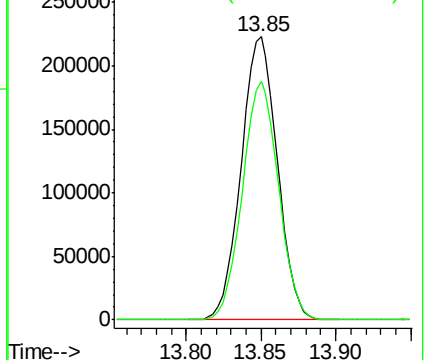
117 100

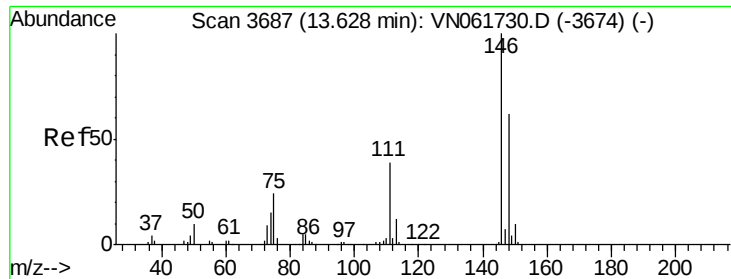
201 84.0 39.1 117.5



Abundance Ion 117.00 (116.70 to 117.70): VN061733.D (-3744) (-)

Ion 201.00 (200.70 to 201.70): VN061733.D (-3744) (-)

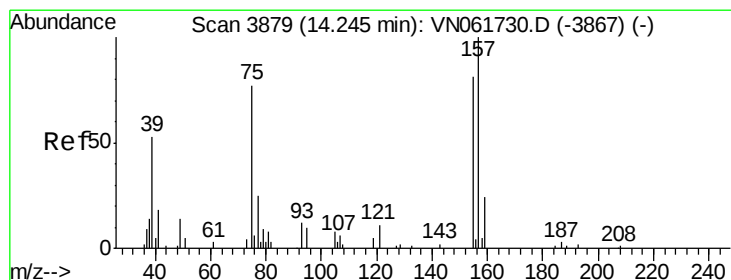
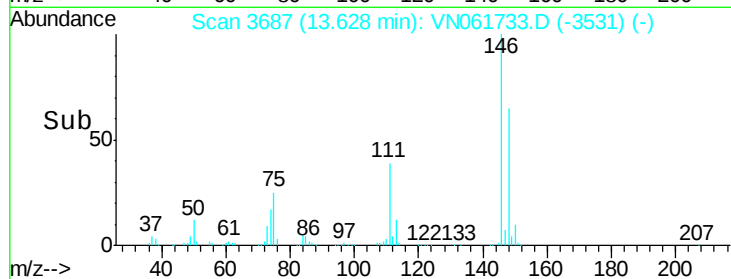
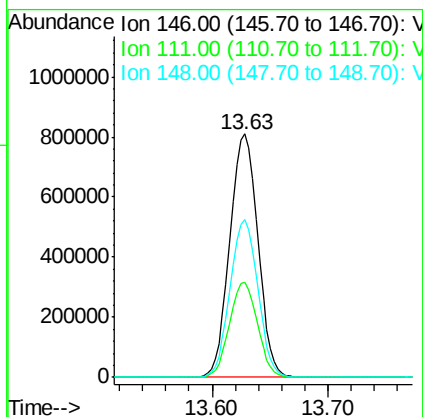
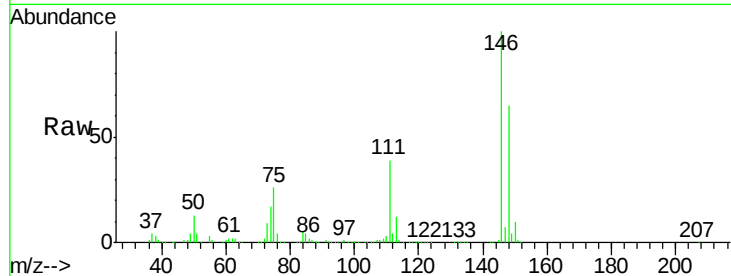




#87
 1,2-Dichlorobenzene
 Concen: 160.30 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

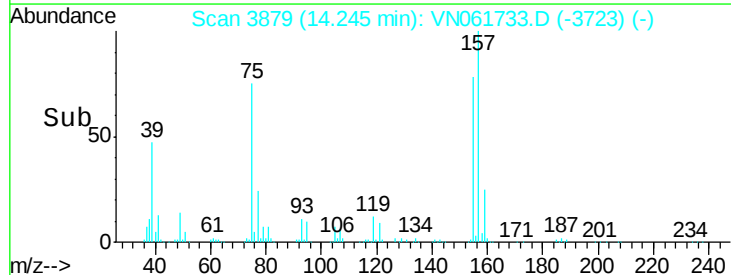
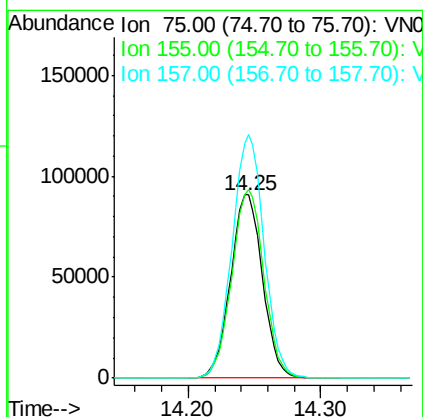
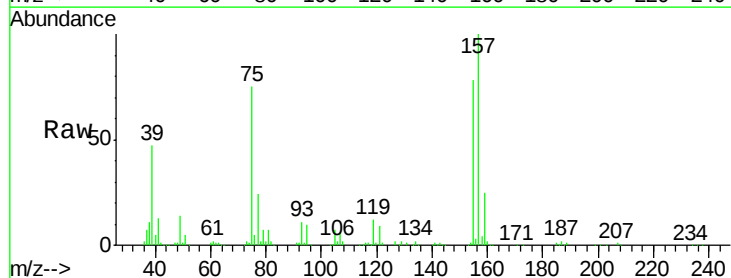
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

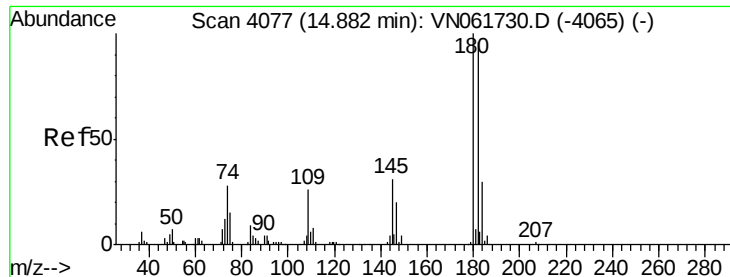
Tgt Ion:146 Resp: 1356609
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.3 57.9
 148 64.1 31.4 94.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 121.63 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN061733.D
 Acq: 10 Jun 2020 12:04

Tgt Ion: 75 Resp: 152465
 Ion Ratio Lower Upper
 75 100
 155 102.9 79.6 119.4
 157 132.6 100.8 151.2





#89

1,2,4-Trichlorobenzene

Concen: 183.84 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

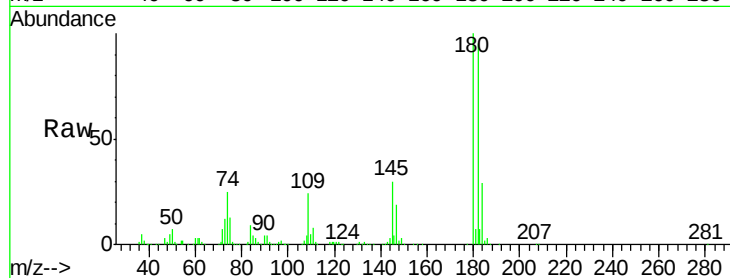
Tgt Ion:180 Resp: 886157

Ion Ratio Lower Upper

180 100

182 95.5 75.6 113.4

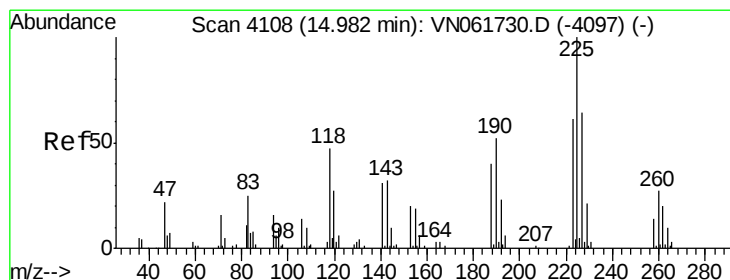
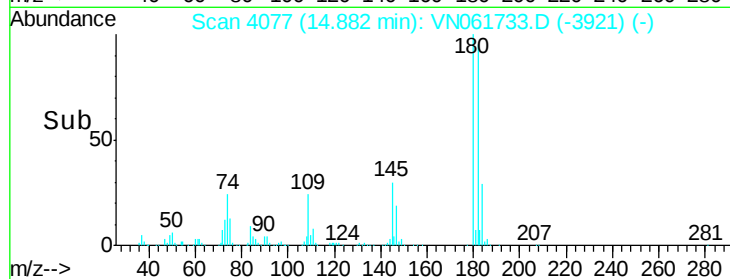
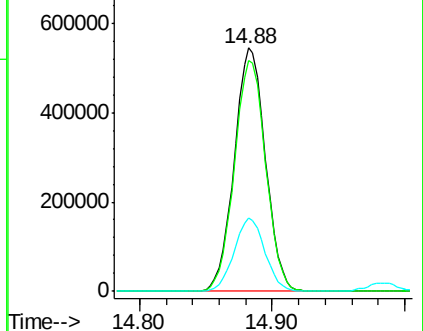
145 29.8 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 175.50 ug/l

RT: 14.98 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN061733.D

Acq: 10 Jun 2020 12:04

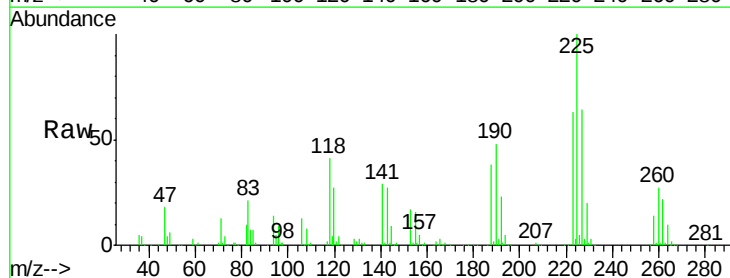
Tgt Ion:225 Resp: 354281

Ion Ratio Lower Upper

225 100

223 63.2 0.0 121.6

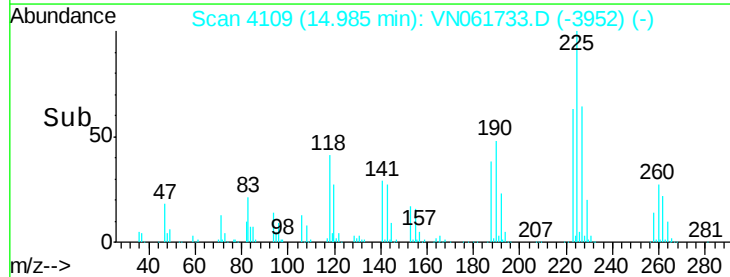
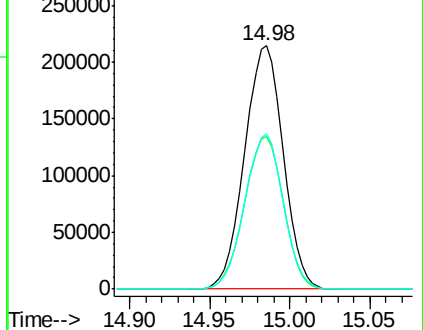
227 63.0 0.0 126.8

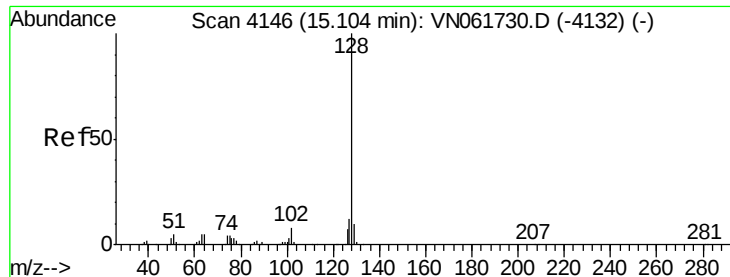


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

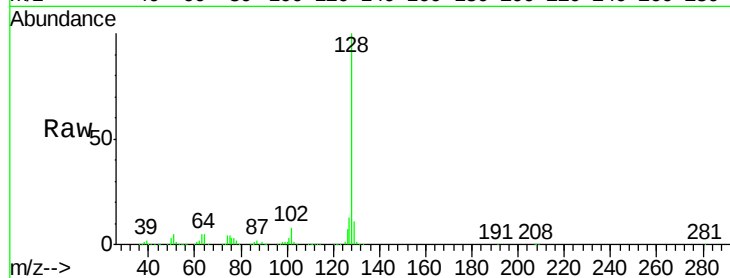




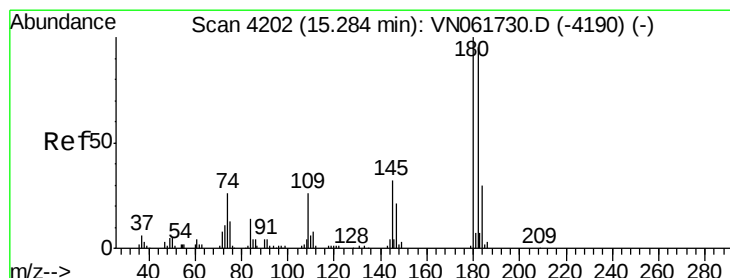
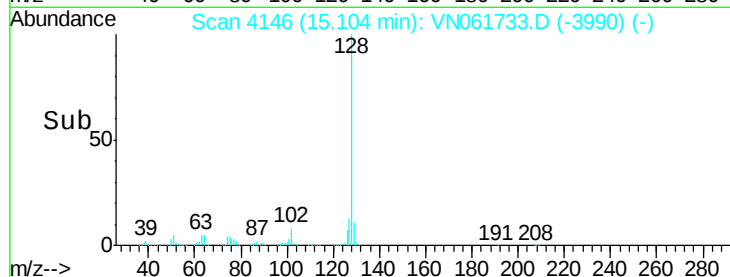
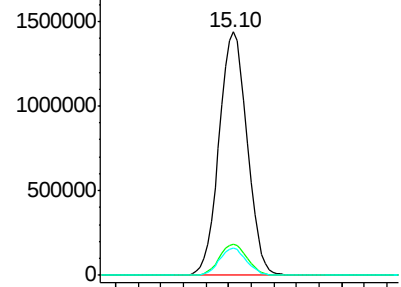
#91
Naphthalene
Concen: 167.01 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 2480926
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.9 8.6 12.8

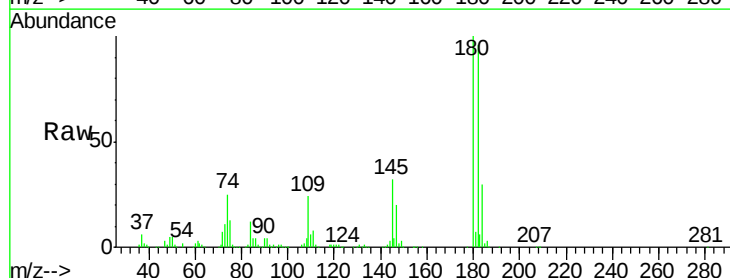


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 180.94 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061733.D
Acq: 10 Jun 2020 12:04

Tgt Ion:180 Resp: 854127
Ion Ratio Lower Upper
180 100
182 95.8 0.0 191.0
145 31.5 0.0 64.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

