

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061431.D
 Acq On : 18 May 2020 12:47
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: May 18 13:05:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	340391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	609985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	577565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	286007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	747265	143.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.10%	
35) Dibromofluoromethane	7.55	113	430990	140.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.24%	
50) Toluene-d8	10.06	98	2340762	154.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.28%	
62) 4-Bromofluorobenzene	12.37	95	906490	162.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	324.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	456338	165.711	ug/l	100
3) Chloromethane	2.03	50	580678	107.969	ug/l	99
4) Vinyl Chloride	2.16	62	887517	107.716	ug/l	99
5) Bromomethane	2.52	94	469522	105.157	ug/l	98
6) Chloroethane	2.66	64	575444	98.447	ug/l	98
7) Trichlorofluoromethane	2.98	101	1075165	106.312	ug/l	98
8) Diethyl Ether	3.37	74	339769	149.053	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	496811	154.208	ug/l	100
10) Methyl Iodide	3.91	142	613709	153.032	ug/l	99
11) Tert butyl alcohol	4.73	59	392122	995.211	ug/l	100
12) 1,1-Dichloroethene	3.69	96	510693	148.009	ug/l	93
13) Acrolein	3.56	56	294197	659.514	ug/l	99
14) Allyl chloride	4.27	41	821958	134.373	ug/l	97
15) Acrylonitrile	4.93	53	1261632	749.684	ug/l	99
16) Acetone	3.77	43	933712	708.115	ug/l	100
17) Carbon Disulfide	4.01	76	1063317	119.744	ug/l	100
18) Methyl Acetate	4.27	43	515470	133.595	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	1950279	144.378	ug/l	97
20) Methylene Chloride	4.50	84	604924	145.354	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	609290	146.011	ug/l	97
22) Diisopropyl ether	5.90	45	1856504	136.432	ug/l	99
23) Vinyl Acetate	5.84	43	7075018	638.721	ug/l #	94
24) 1,1-Dichloroethane	5.80	63	1079182	138.858	ug/l	100
25) 2-Butanone	6.78	43	1583163	725.316	ug/l	98
26) 2,2-Dichloropropane	6.77	77	999027	150.116	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	712341	146.997	ug/l	96
28) Bromochloromethane	7.15	49	471805	138.253	ug/l	94
29) Tetrahydrofuran	7.16	42	1054910	711.964	ug/l	98
30) Chloroform	7.33	83	1164458	142.755	ug/l	98
31) Cyclohexane	7.61	56	939800	123.182	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	1054675	145.259	ug/l	98
36) 1,1-Dichloropropene	7.75	75	863747	141.933	ug/l	99
37) Ethyl Acetate	6.88	43	705088	138.984	ug/l	99
38) Carbon Tetrachloride	7.73	117	862785	165.377	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	1043635	144.094	ug/l	97
40) Benzene	8.00	78	2574615	143.742	ug/l	100
41) Methacrylonitrile	7.12	41	316209	134.320	ug/l	95
42) 1,2-Dichloroethane	8.09	62	901804	140.070	ug/l	99
43) Isopropyl Acetate	8.13	43	1285048	131.738	ug/l	99
44) Trichloroethene	8.80	130	702638	151.816	ug/l	98
45) 1,2-Dichloropropane	9.08	63	642739	142.454	ug/l	98
46) Dibromomethane	9.18	93	455590	150.160	ug/l	97
47) Bromodichloromethane	9.37	83	969308	147.158	ug/l	100
48) Methyl methacrylate	9.17	41	582655	131.996	ug/l	97
49) 1,4-Dioxane	9.17	88	127445	4451.251	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	3461032	658.910	ug/l	96
52) Toluene	10.12	92	1716704	150.994	ug/l	95
53) t-1,3-Dichloropropene	10.35	75	1090897	151.447	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	1136157	149.544	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	640962	151.526	ug/l	99
56) Ethyl methacrylate	10.40	69	1035190	149.673	ug/l	97
57) 1,3-Dichloropropane	10.68	76	1078259	146.304	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	2224457	761.459	ug/l	97
59) 2-Hexanone	10.72	43	2534589	704.397	ug/l	97
60) Dibromochloromethane	10.87	129	757053	160.977	ug/l	99
61) 1,2-Dibromoethane	10.98	107	677832	152.347	ug/l	100
64) Tetrachloroethene	10.60	164	700703	154.959	ug/l	97
65) Chlorobenzene	11.41	112	1784488	148.865	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	673686	159.222	ug/l	99
67) Ethyl Benzene	11.48	91	3164076	142.489	ug/l	93
68) m/p-Xylenes	11.60	106	2560719	306.961	ug/l	86
69) o-Xylene	11.92	106	1237442	152.929	ug/l	94
70) Styrene	11.94	104	2163230	159.233	ug/l	99
71) Bromoform	12.10	173	512616	172.020	ug/l #	100
73) Isopropylbenzene	12.22	105	3159383	135.721	ug/l	96
74) N-amyl acetate	12.04	43	1182602	129.889	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	835559	125.920	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	1193037	199.729	ug/l #	100
77) Bromobenzene	12.50	156	758069	148.787	ug/l	94
78) n-propylbenzene	12.57	91	3574537	131.728	ug/l	95
79) 2-Chlorotoluene	12.65	91	2199752	138.273	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	2724672	139.856	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.27	75	339971	148.845	ug/l	96
82) 4-Chlorotoluene	12.75	91	2338260	139.887	ug/l	98
83) tert-Butylbenzene	12.97	119	2329666	140.175	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	2729687	140.411	ug/l	96
85) sec-Butylbenzene	13.15	105	3090867	137.787	ug/l	98
86) p-Isopropyltoluene	13.26	119	2840466	145.867	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	1425081	154.242	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1406753	148.263	ug/l	98
89) n-Butylbenzene	13.59	91	2568478	145.360	ug/l	97
90) Hexachloroethane	13.85	117	411550	153.392	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	1321099	149.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	174943	137.125	ug/l	95

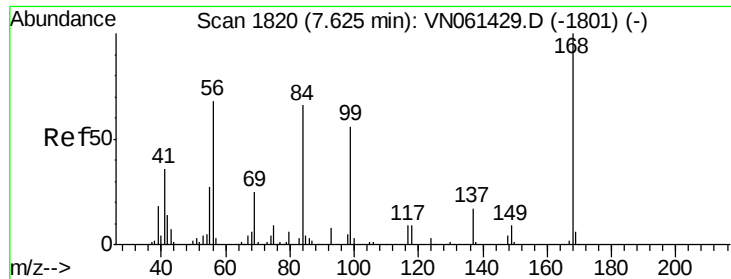
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	792047	163.544	ug/l	100
94) Hexachlorobutadiene	14.98	225	305042	163.556	ug/l	99
95) Naphthalene	15.10	128	2459949	156.841	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	762650	157.565	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

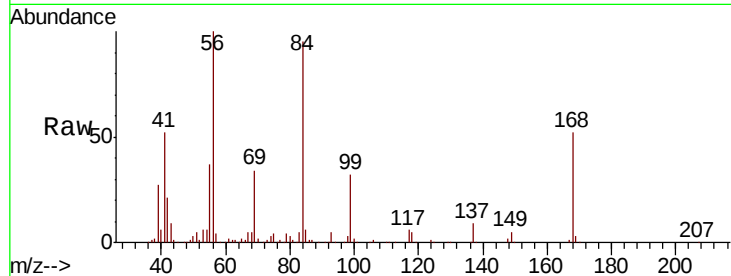
VSTDIC150

Tot Ion:168 Resp: 340391

Ion Ratio Lower Upper

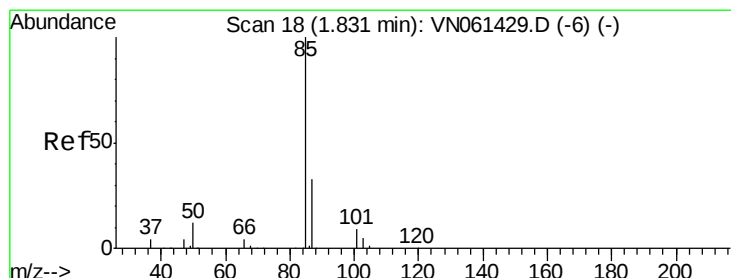
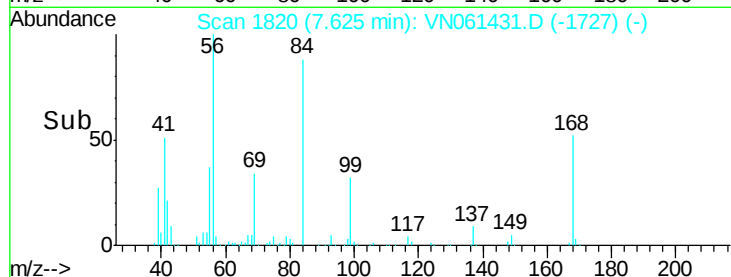
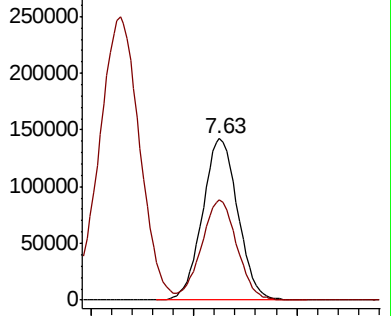
168 100

99 61.6 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 165.711 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061431.D

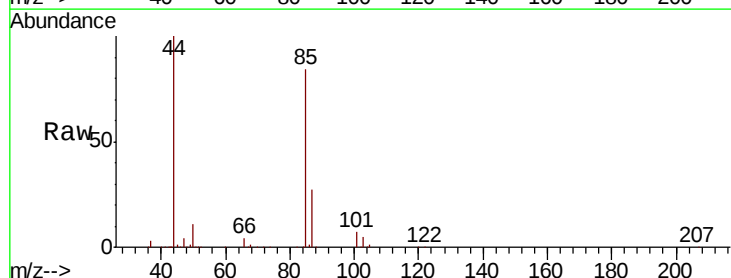
Acq: 18 May 2020 12:47

Tgt Ion: 85 Resp: 456338

Ion Ratio Lower Upper

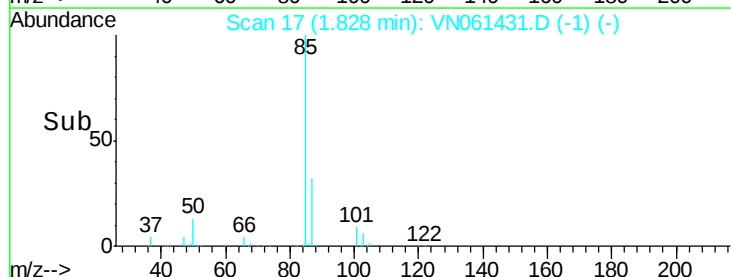
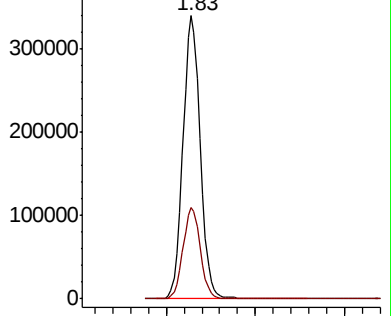
85 100

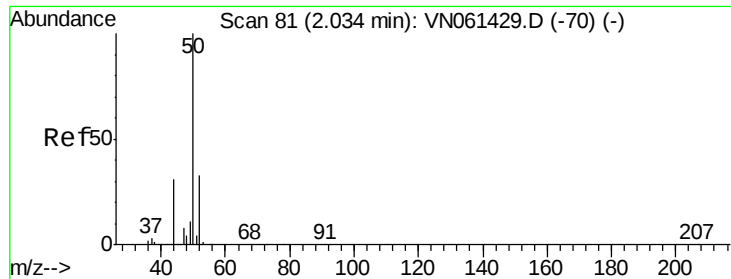
87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 107.969 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

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ClientSampleId :

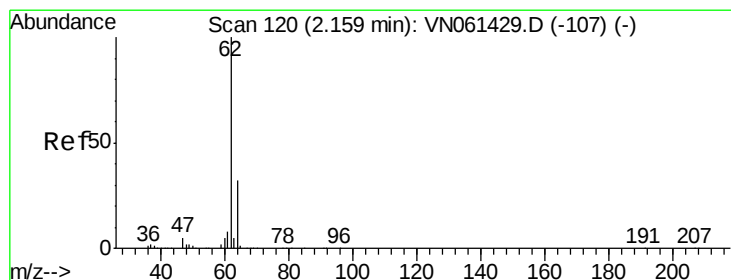
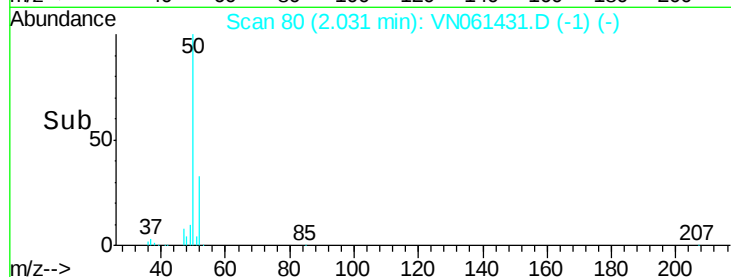
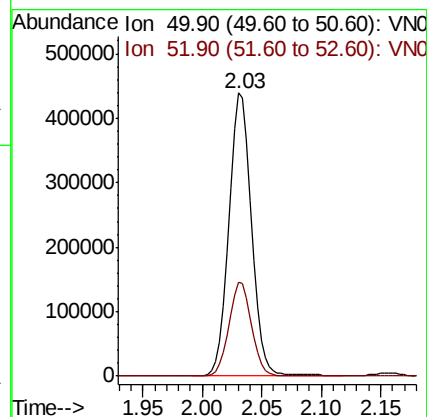
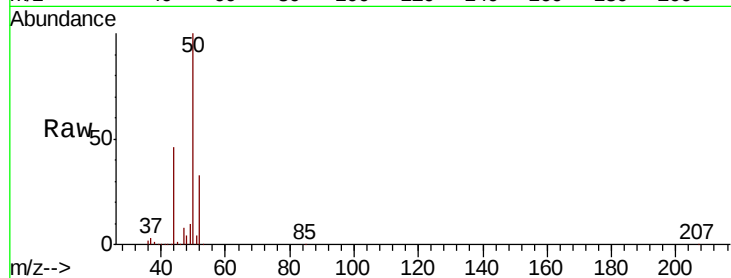
VSTDIC150

Tot Ion: 50 Resp: 580678

Ion Ratio Lower Upper

50 100

52 33.1 26.7 40.1



#4

Vinyl Chloride

Concen: 107.716 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061431.D

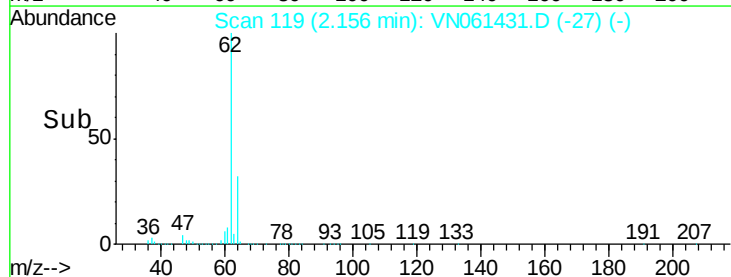
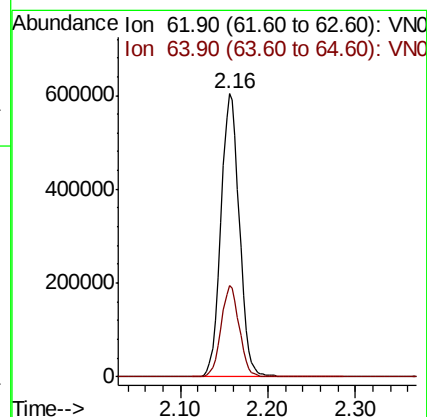
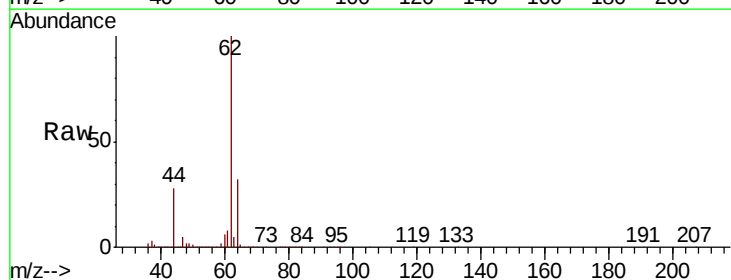
Acq: 18 May 2020 12:47

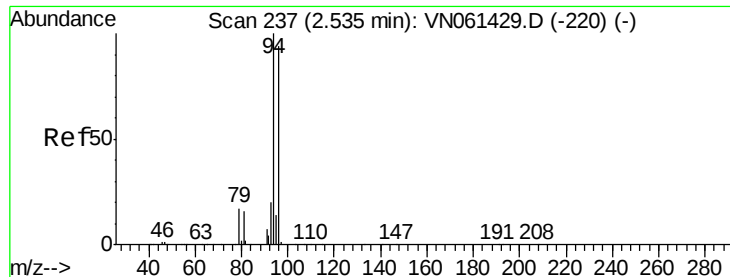
Tgt Ion: 62 Resp: 887517

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 105.157 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.02 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

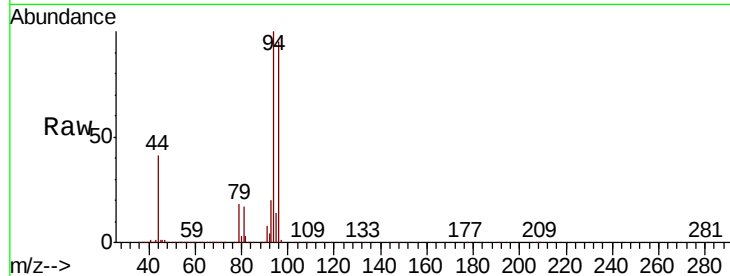
VSTDIC150

Tot Ion: 94 Resp: 469522

Ion Ratio Lower Upper

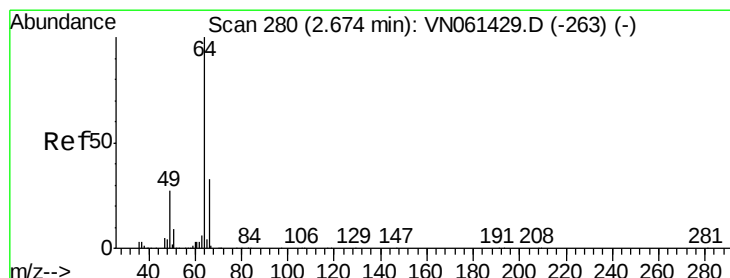
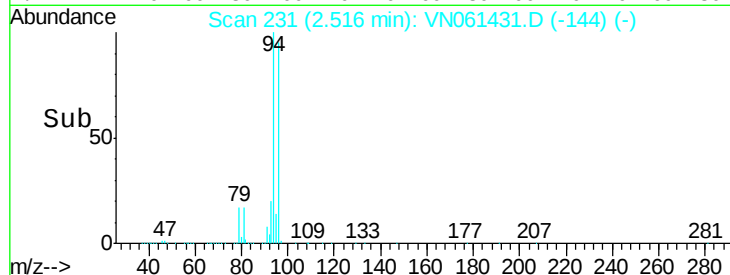
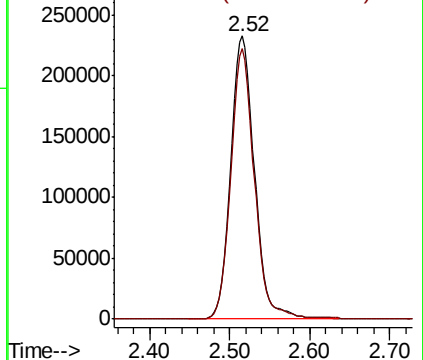
94 100

96 95.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 98.447 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.01 min

Lab File: VN061431.D

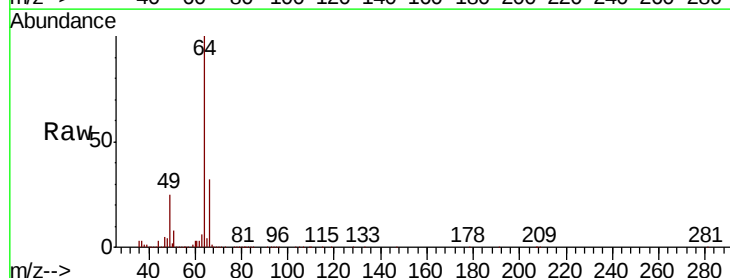
Acq: 18 May 2020 12:47

Tgt Ion: 64 Resp: 575444

Ion Ratio Lower Upper

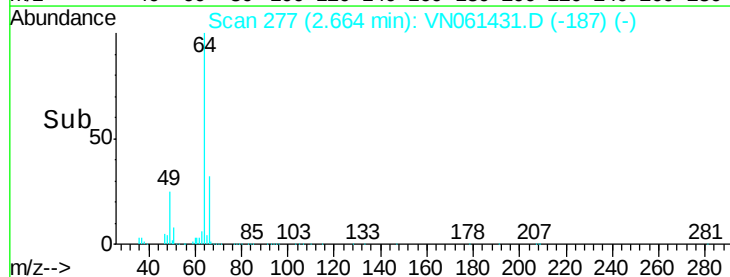
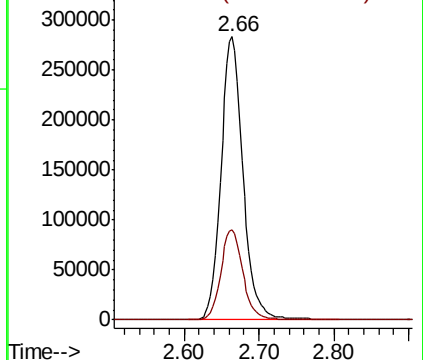
64 100

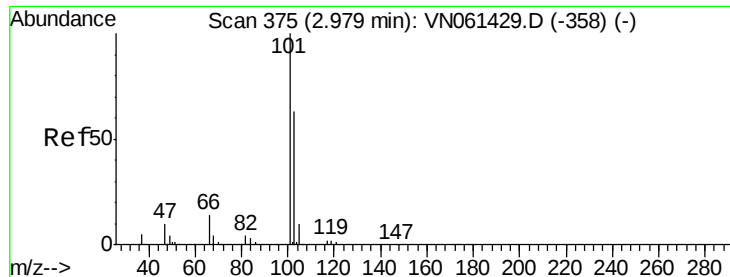
66 31.7 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



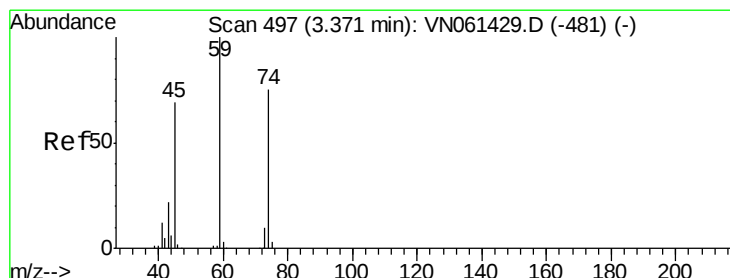
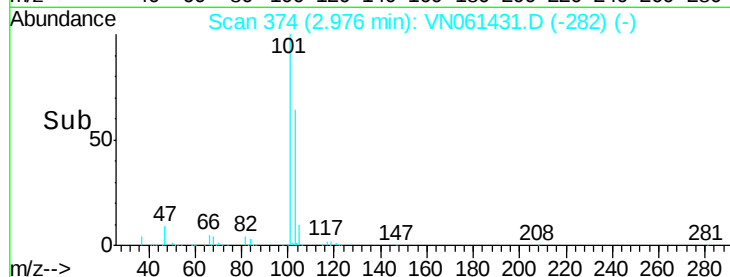
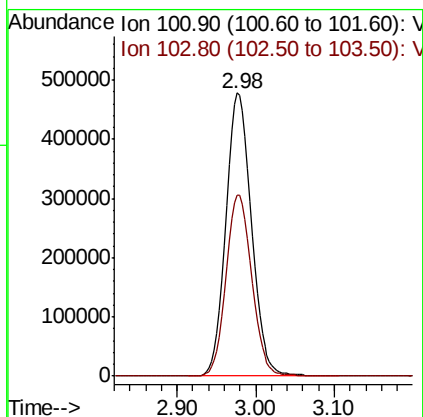
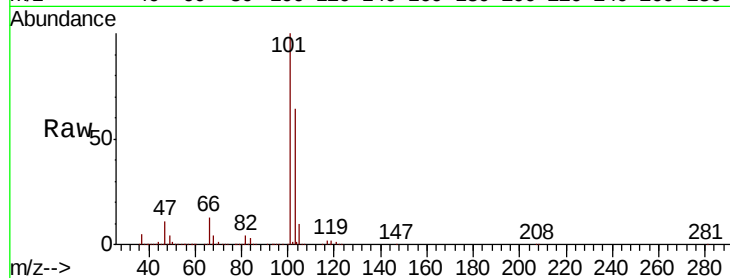


#7

Trichlorofluoromethane
 Concen: 106.312 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

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 VSTDIC150

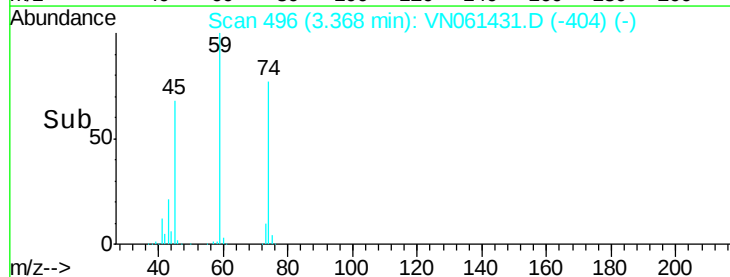
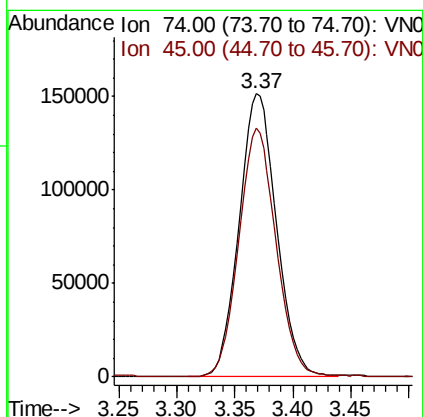
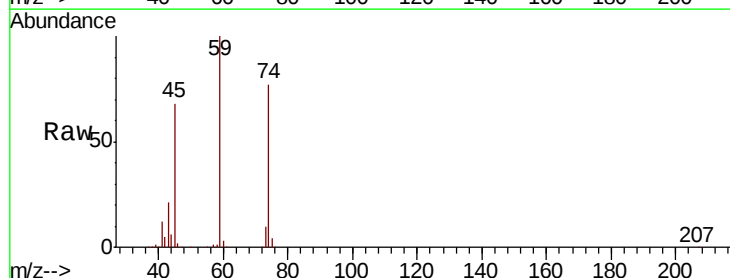
Tot Ion:101 Resp: 1075165
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.2 75.4

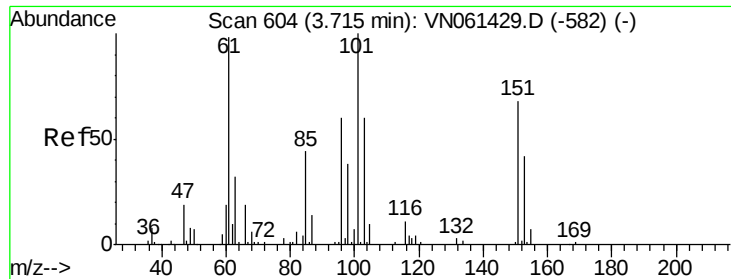


#8

Diethyl Ether
 Concen: 149.053 ug/l
 RT: 3.37 min Scan# 496
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion: 74 Resp: 339769
 Ion Ratio Lower Upper
 74 100
 45 86.9 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 154.208 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

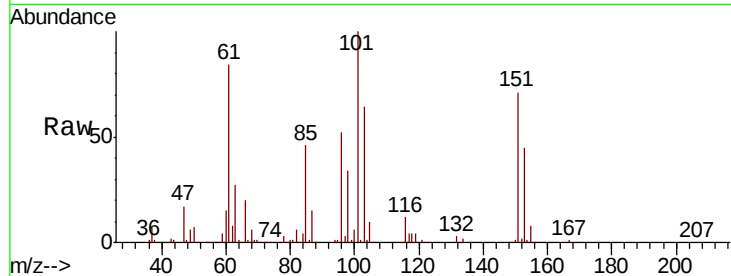
Tot Ion:101 Resp: 496811

Ion Ratio Lower Upper

101 100

85 46.0 36.6 55.0

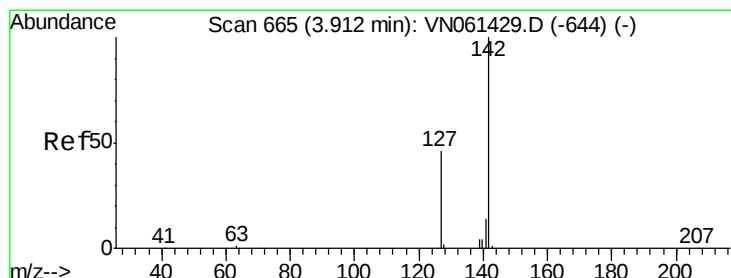
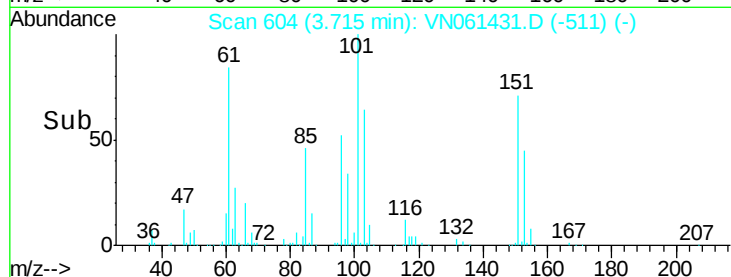
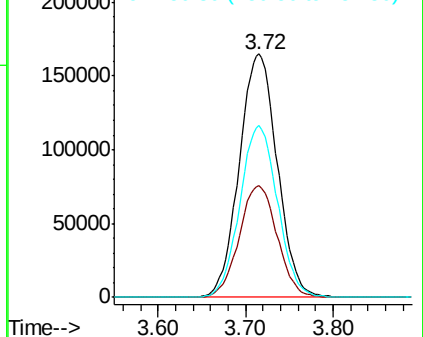
151 70.1 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 153.032 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

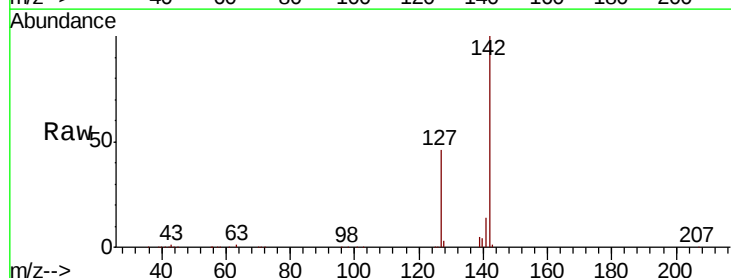
Tgt Ion:142 Resp: 613709

Ion Ratio Lower Upper

142 100

127 46.2 36.7 55.1

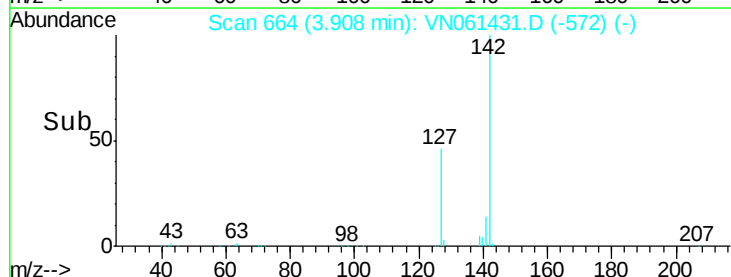
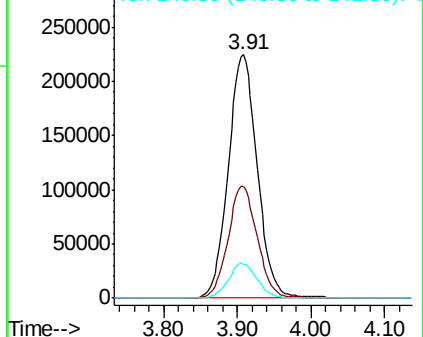
141 14.2 11.5 17.3

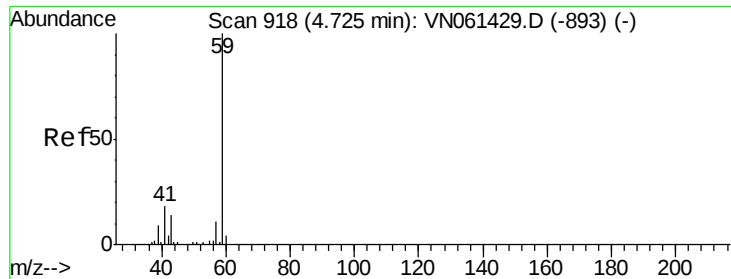


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

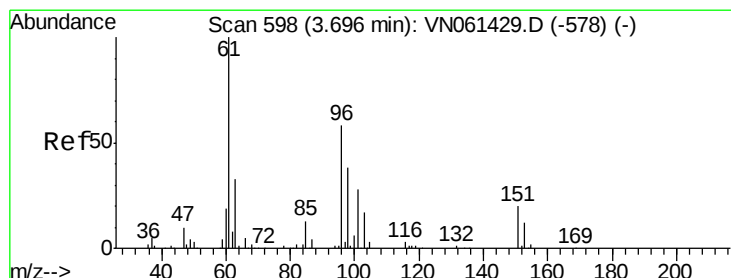
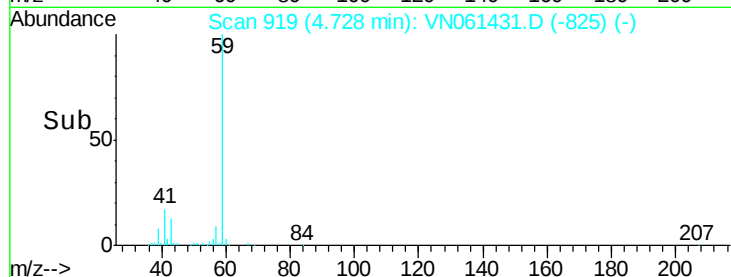
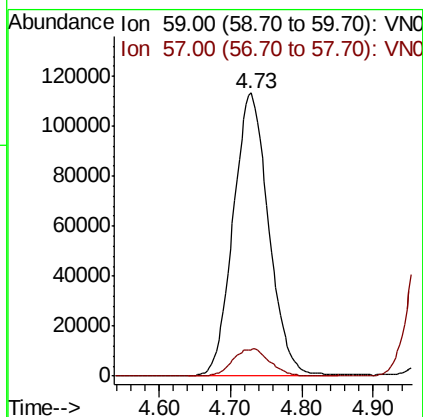
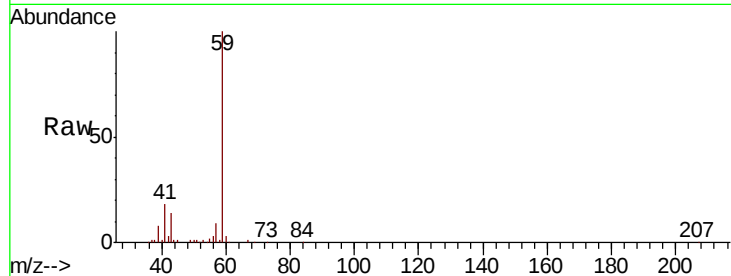




#11
Tert butyl alcohol
Concen: 995.211 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

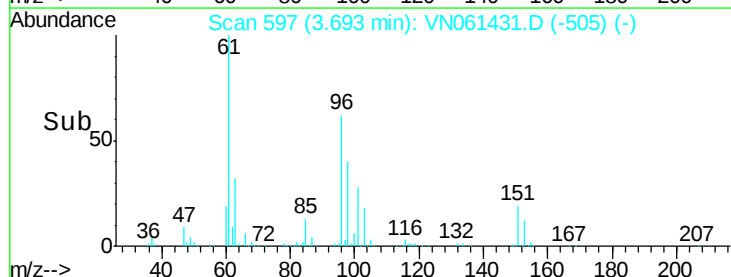
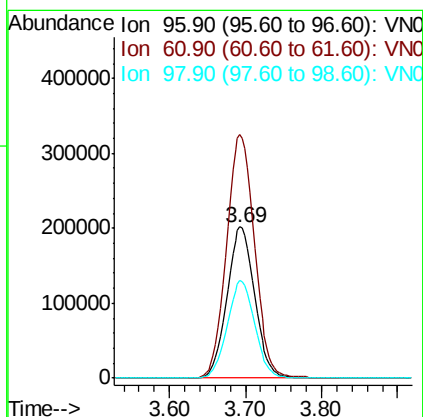
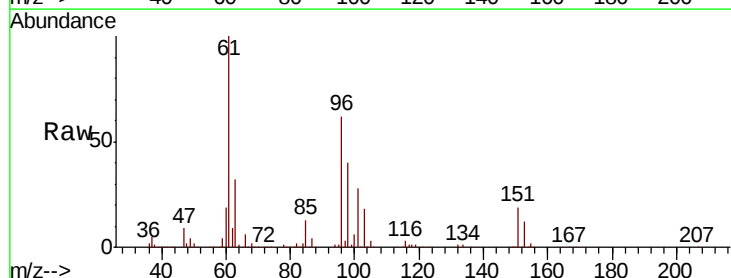
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

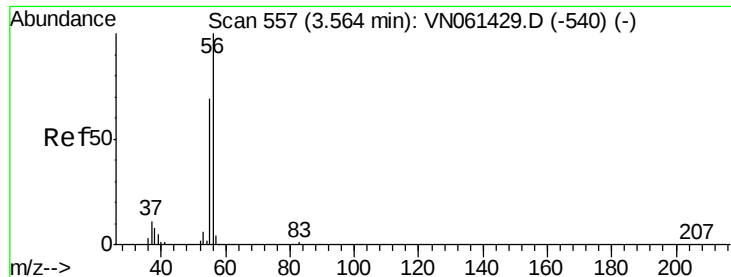
Tot Ion: 59 Resp: 392122
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2



#12
1,1-Dichloroethene
Concen: 148.009 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion: 96 Resp: 510693
Ion Ratio Lower Upper
96 100
61 161.1 138.7 208.1
98 64.6 53.0 79.6





#13

Acrolein

Concen: 659.514 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

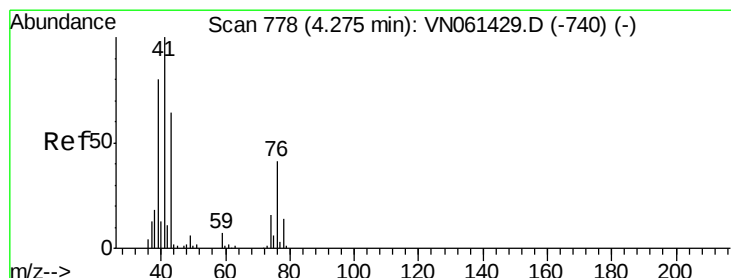
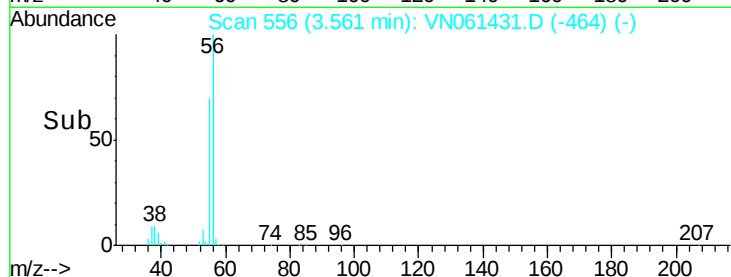
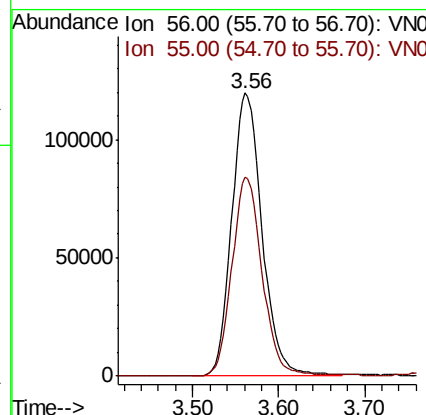
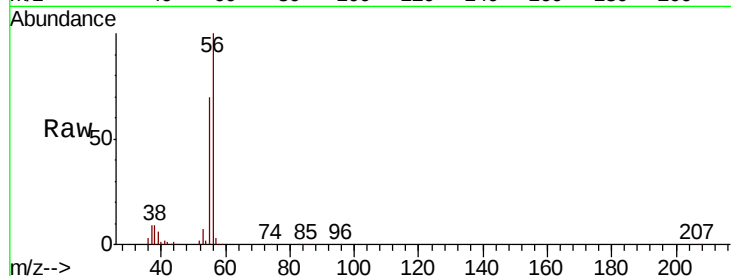
VSTDIC150

Tot Ion: 56 Resp: 294197

Ion Ratio Lower Upper

56 100

55 69.2 54.8 82.2



#14

Allyl chloride

Concen: 134.373 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

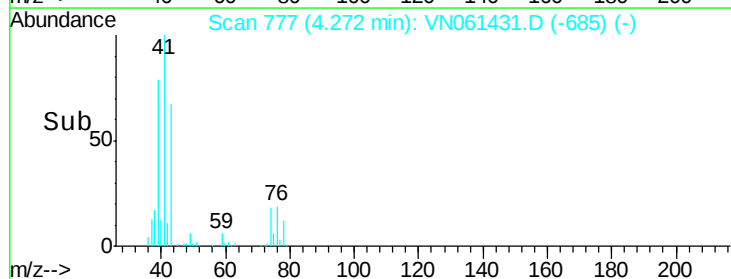
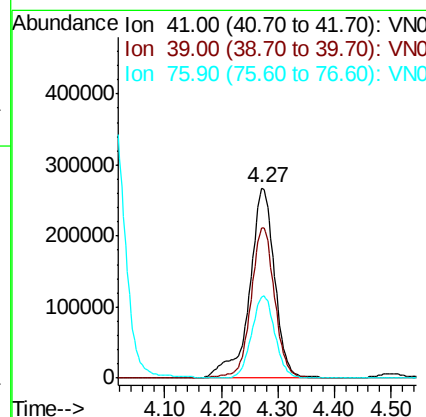
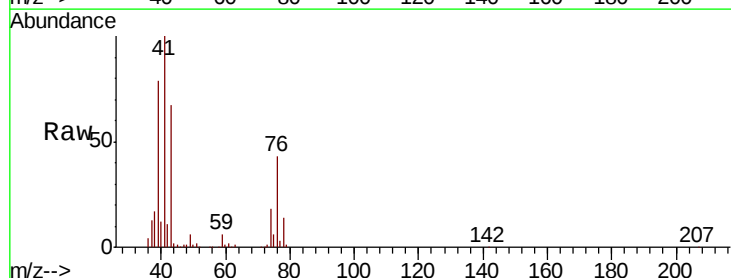
Tgt Ion: 41 Resp: 821958

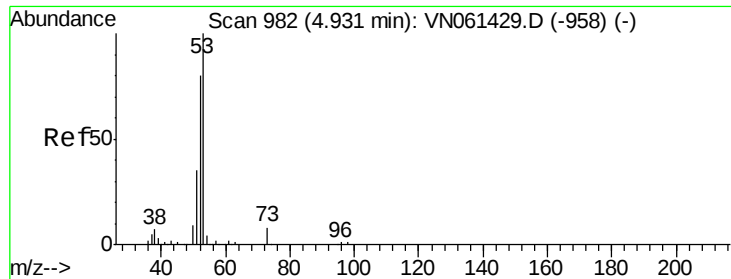
Ion Ratio Lower Upper

41 100

39 74.2 61.2 91.8

76 39.6 29.9 44.9





#15

Acrylonitrile

Concen: 749.684 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

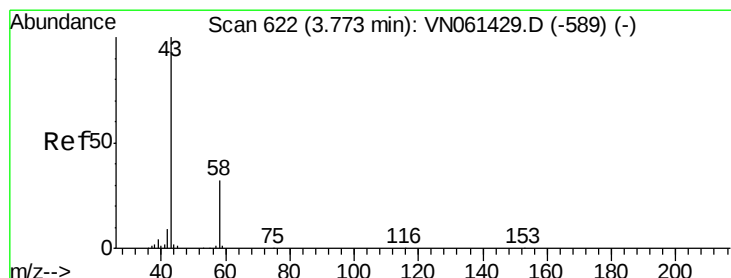
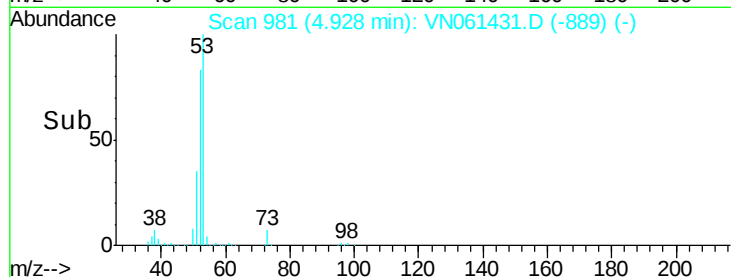
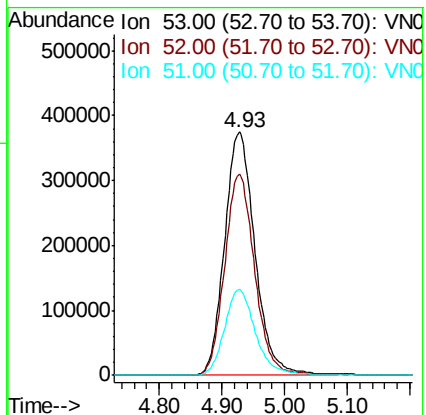
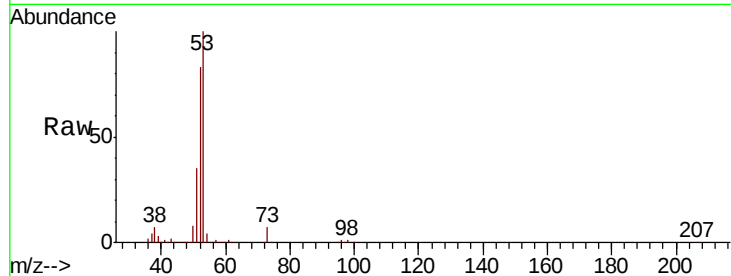
Tot Ion: 53 Resp: 1261632

Ion Ratio Lower Upper

53 100

52 81.2 64.7 97.1

51 36.1 29.5 44.3



#16

Acetone

Concen: 708.115 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061431.D

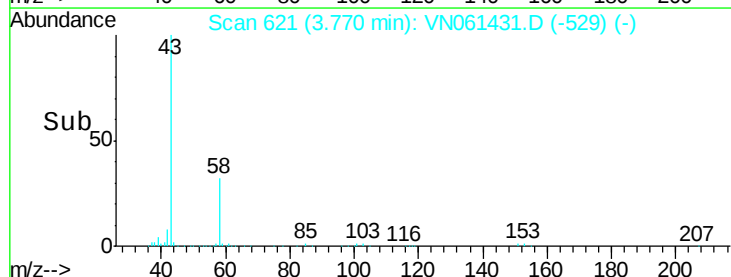
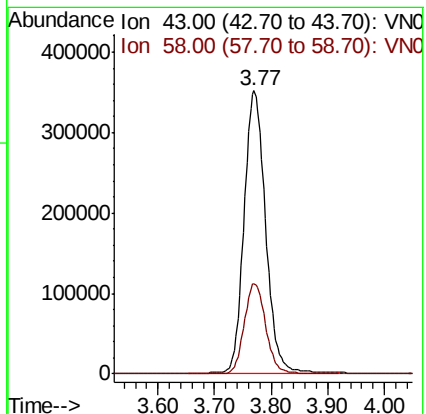
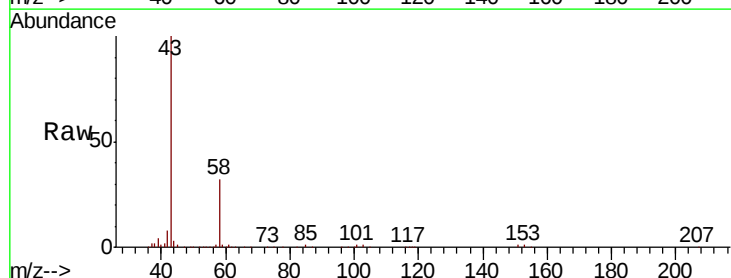
Acq: 18 May 2020 12:47

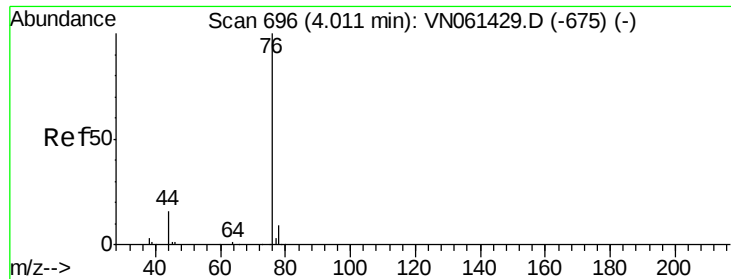
Tgt Ion: 43 Resp: 933712

Ion Ratio Lower Upper

43 100

58 32.0 25.6 38.4

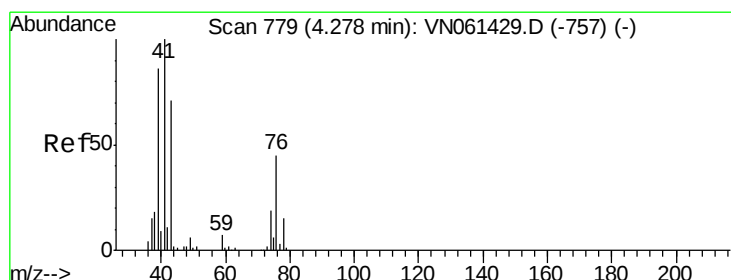
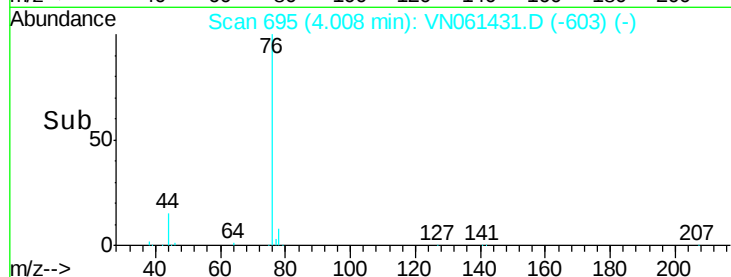
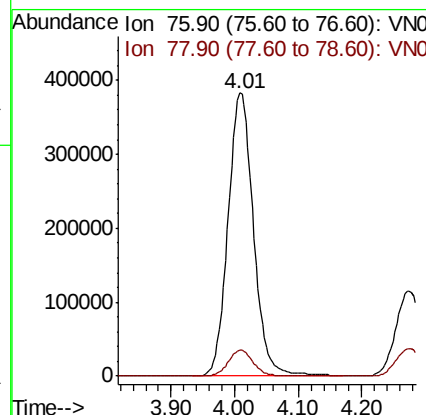
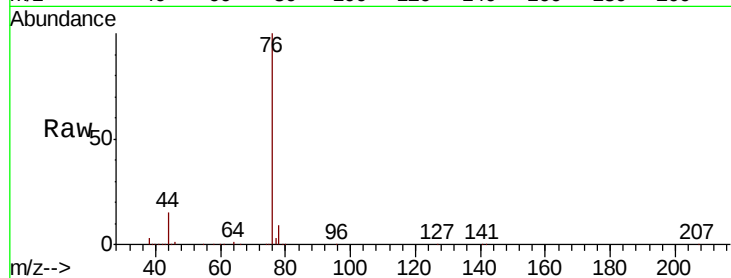




#17
Carbon Disulfide
Concen: 119.744 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

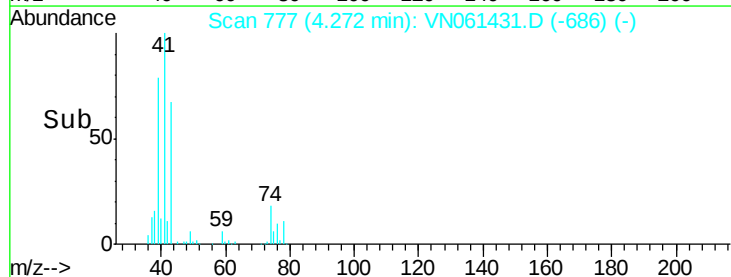
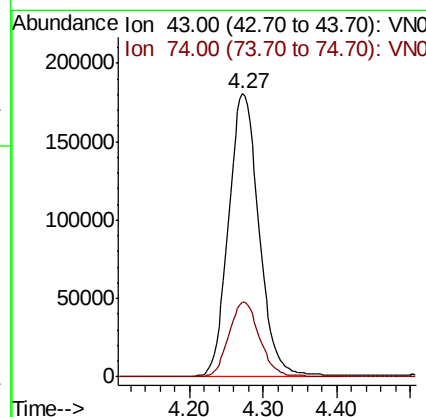
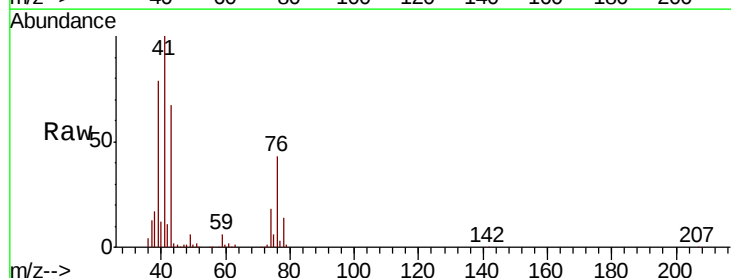
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

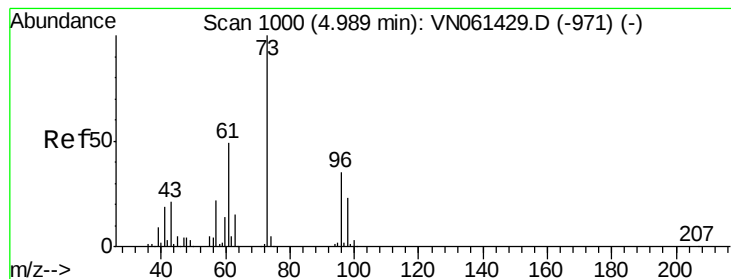
Tot Ion: 76 Resp: 1063317
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 133.595 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion: 43 Resp: 515470
Ion Ratio Lower Upper
43 100
74 26.9 20.8 31.2





#19

Methvl tert-butvl Ether
 Concen: 144.378 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

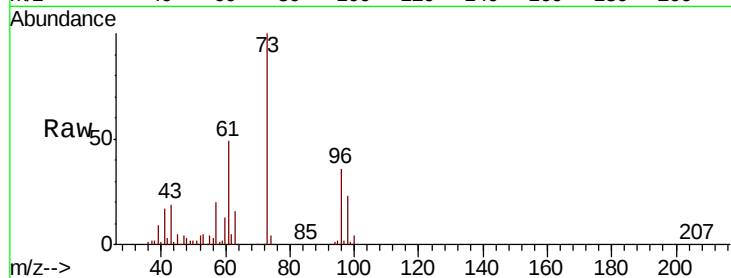
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1950279

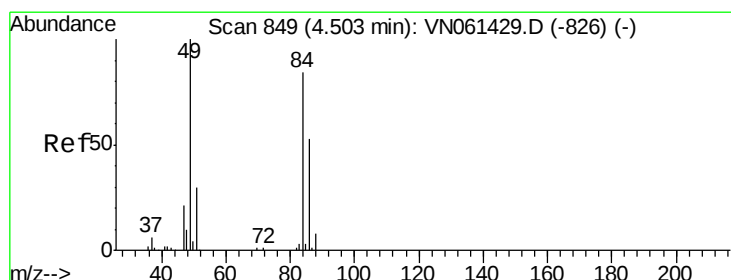
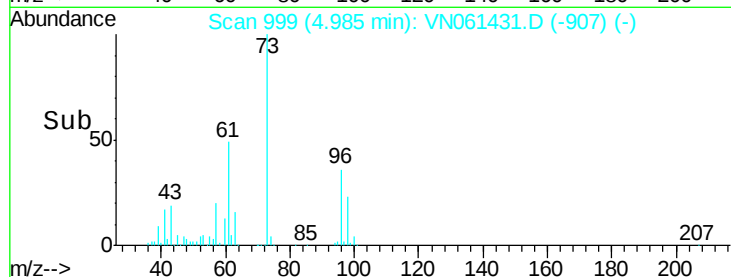
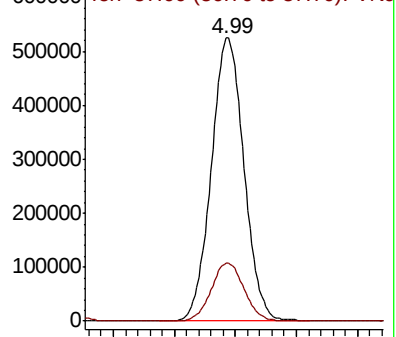
Ion Ratio Lower Upper

73 100

57 20.4 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VN061429.D (-971) (-)
 Ion 57.00 (56.70 to 57.70): VN061429.D (-971) (-)



#20

Methylene Chloride
 Concen: 145.354 ug/l
 RT: 4.50 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion: 84 Resp: 604924

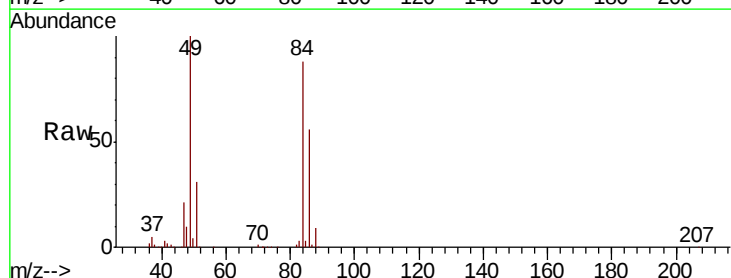
Ion Ratio Lower Upper

84 100

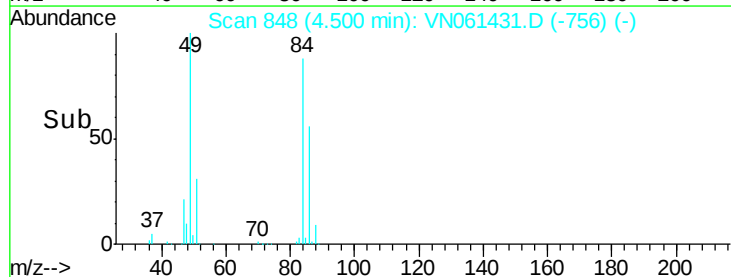
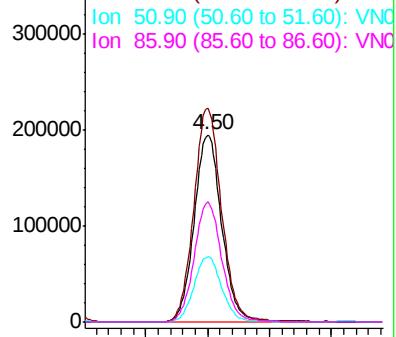
49 114.1 95.3 142.9

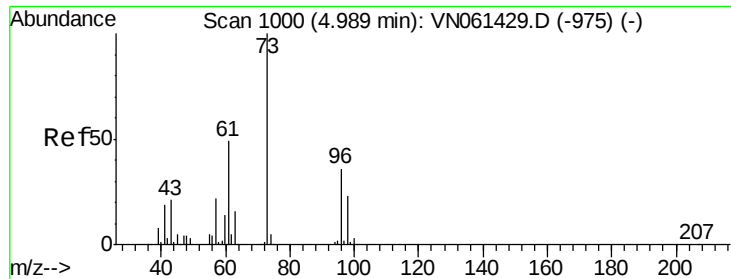
51 35.3 29.0 43.6

86 64.1 50.2 75.2



Abundance Ion 83.90 (83.60 to 84.60): VN061429.D (-826) (-)
 Ion 48.90 (48.60 to 49.60): VN061429.D (-826) (-)
 Ion 50.90 (50.60 to 51.60): VN061429.D (-826) (-)
 Ion 85.90 (85.60 to 86.60): VN061429.D (-826) (-)

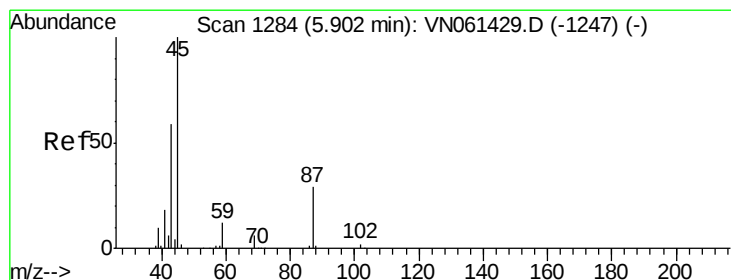
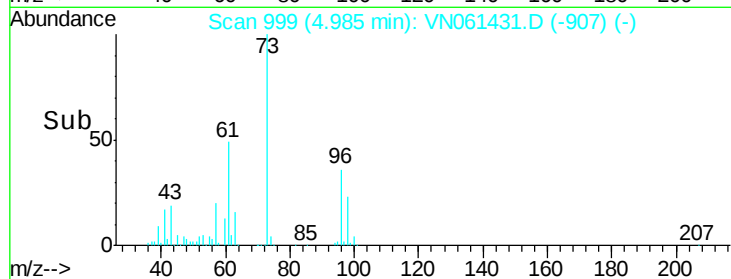
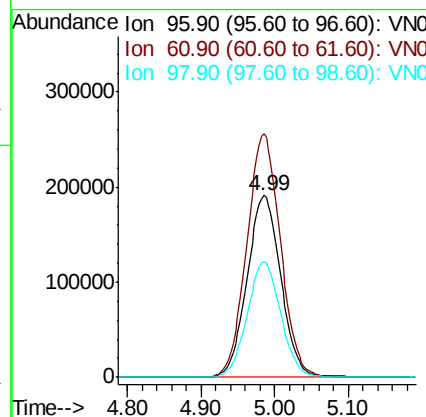
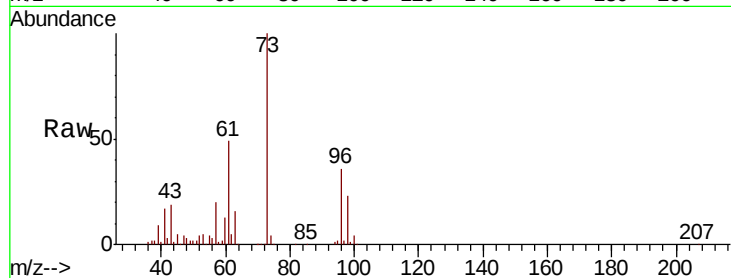




#21
trans-1,2-Dichloroethene
Concen: 146.011 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

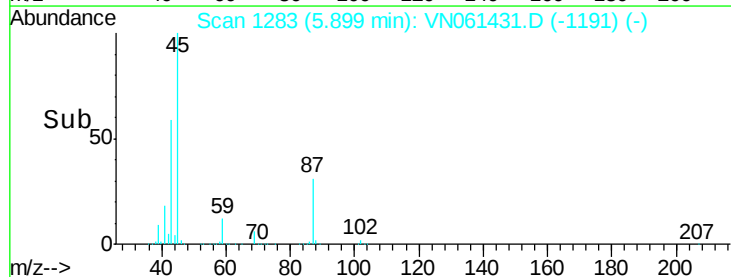
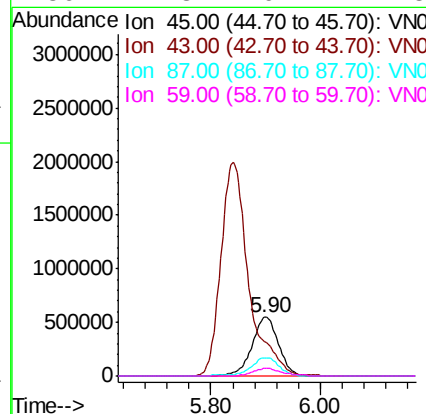
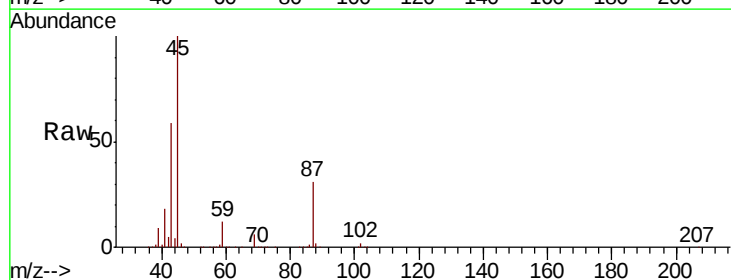
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

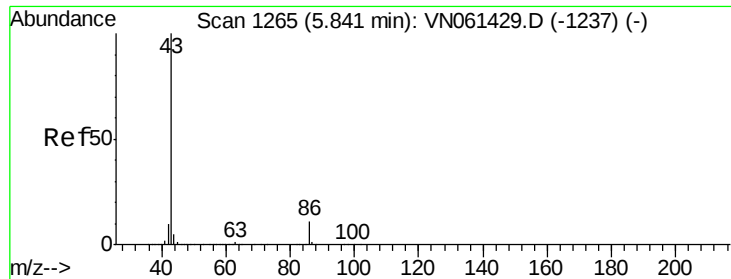
Tot Ion: 96 Resp: 609290
Ion Ratio Lower Upper
96 100
61 133.8 109.8 164.6
98 63.7 52.4 78.6



#22
Diisopropyl ether
Concen: 136.432 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion: 45 Resp: 1856504
Ion Ratio Lower Upper
45 100
43 58.9 47.9 71.9
87 31.1 24.0 36.0
59 12.3 9.7 14.5





#23

Vinyl Acetate

Concen: 638.721 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

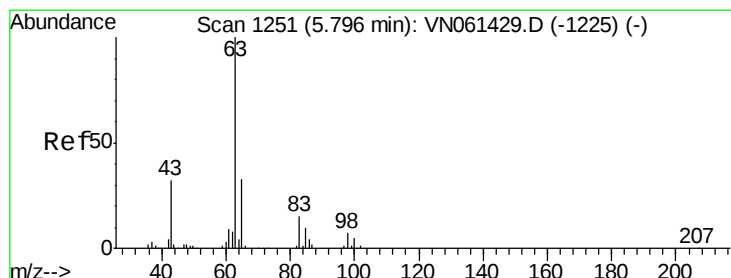
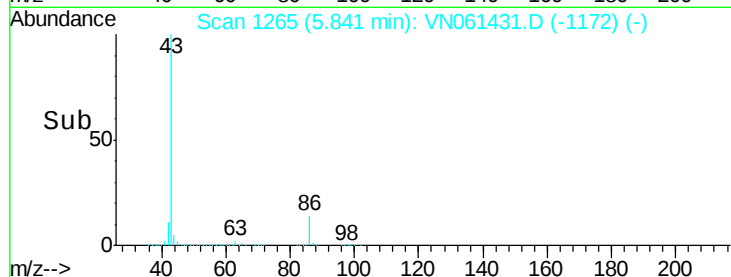
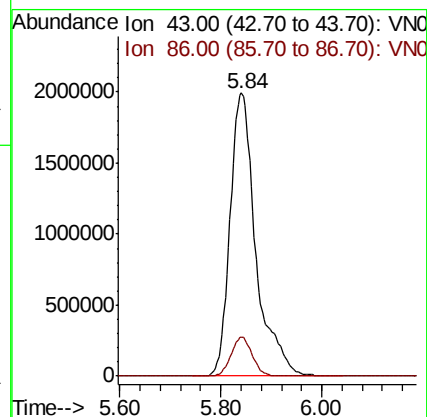
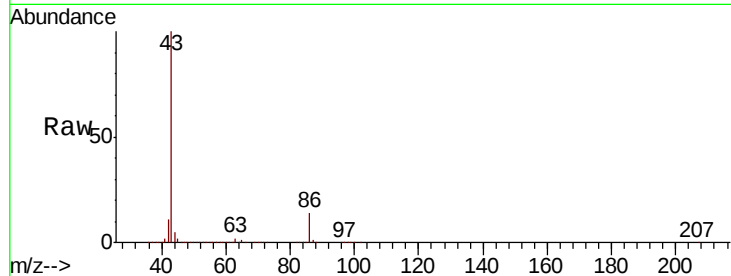
VSTDIC150

Tot Ion: 43 Resp: 7075018

Ion Ratio Lower Upper

43 100

86 13.8 9.1 13.7#



#24

1,1-Dichloroethane

Concen: 138.858 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

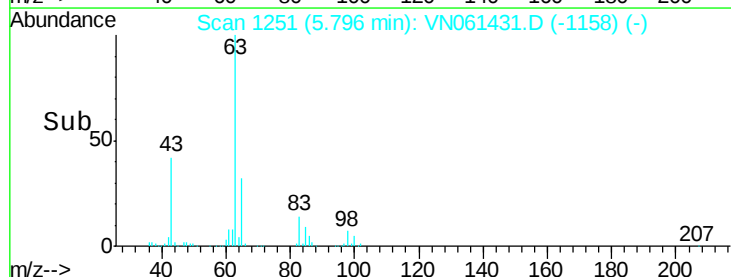
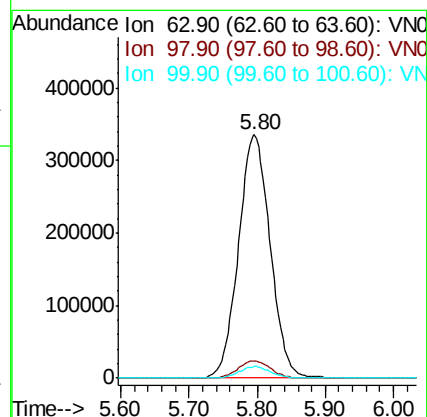
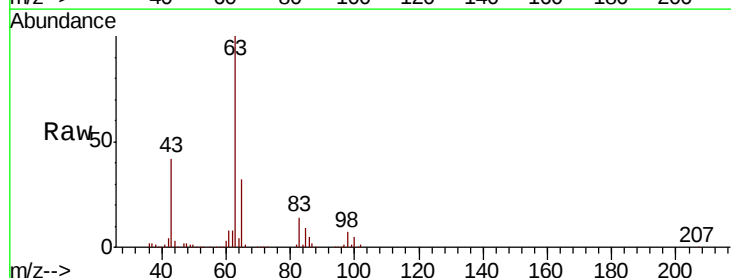
Tgt Ion: 63 Resp: 1079182

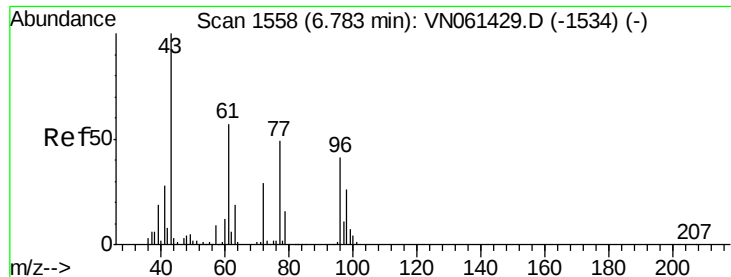
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.7 2.3 6.9





#25

2-Butanone

Concen: 725.316 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

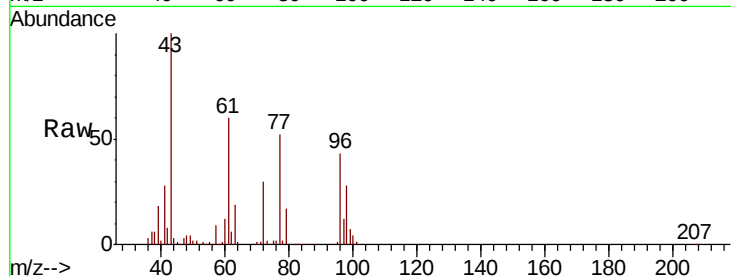
VSTDIC150

Tot Ion: 43 Resp: 1583163

Ion Ratio Lower Upper

43 100

72 29.9 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1534) (-)

Ion 72.00 (71.70 to 72.70): VN061429.D (-1534) (-)

6.78

600000

500000

400000

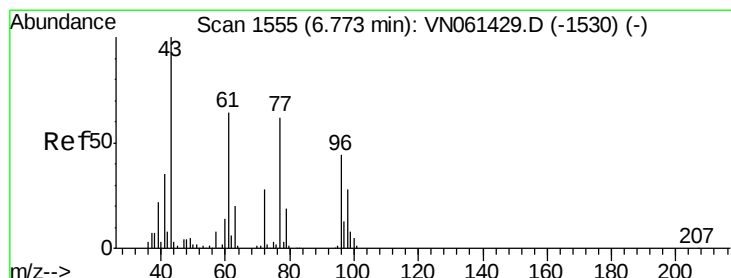
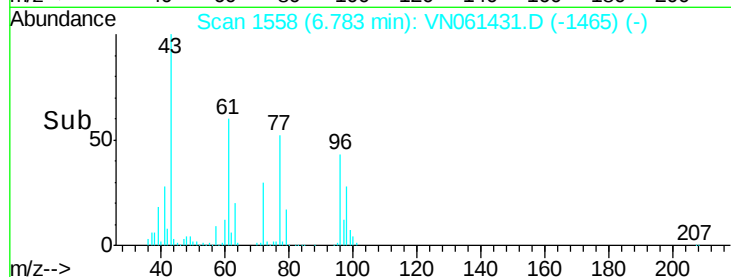
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 150.116 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061431.D

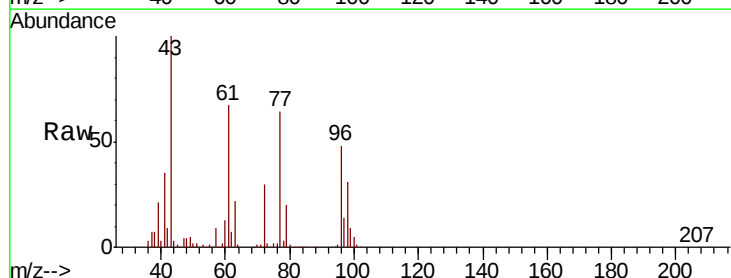
Acq: 18 May 2020 12:47

Tgt Ion: 77 Resp: 999027

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN061429.D (-1530) (-)

Ion 96.90 (96.60 to 97.60): VN061429.D (-1530) (-)

6.77

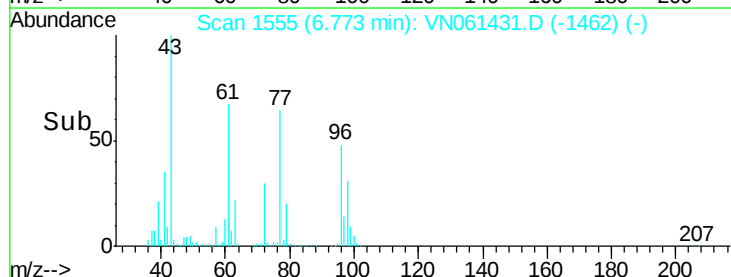
300000

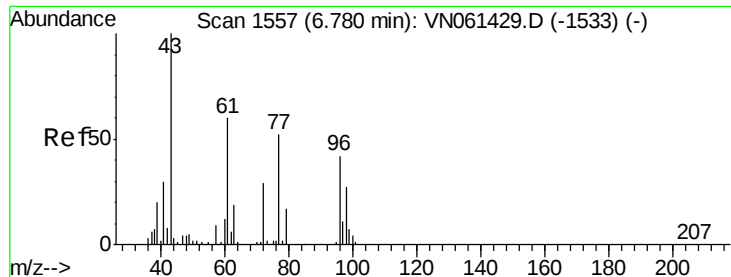
200000

100000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 146.997 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

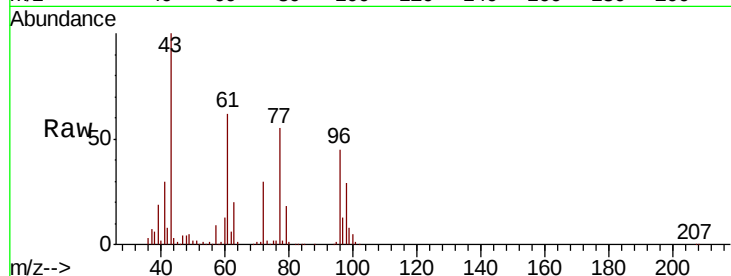
Tot Ion: 96 Resp: 712341

Ion Ratio Lower Upper

96 100

61 140.6 0.0 294.2

98 64.6 0.0 128.2

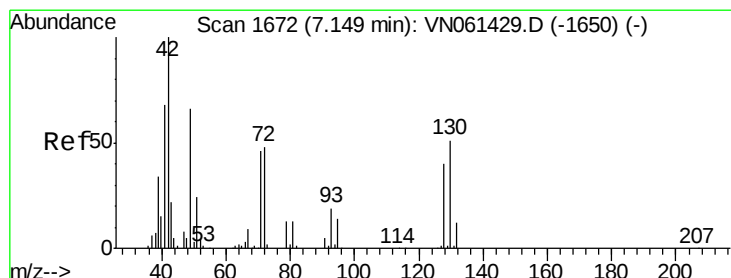
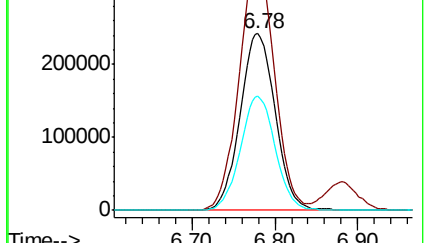
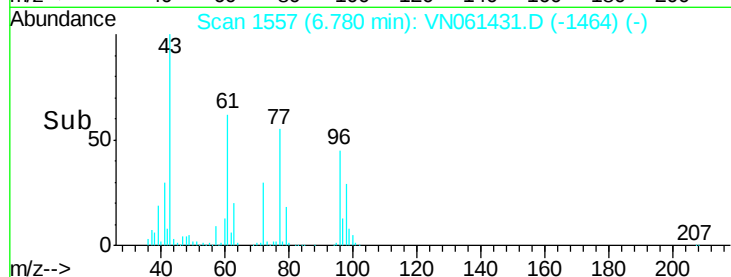


Abundance Ion 95.90 (95.60 to 96.60): VN061431.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061431.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061431.D (-1464) (-)

Time-->



#28

Bromochloromethane

Concen: 138.253 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

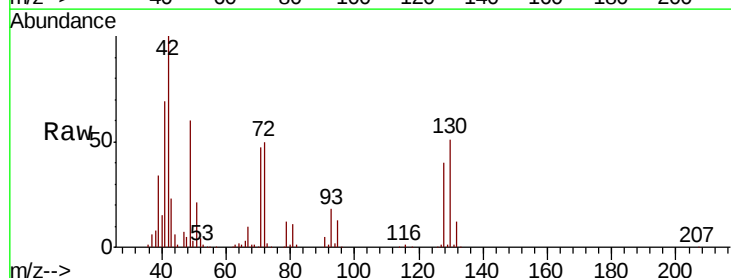
Tgt Ion: 49 Resp: 471805

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.6

130 83.0 62.2 93.2

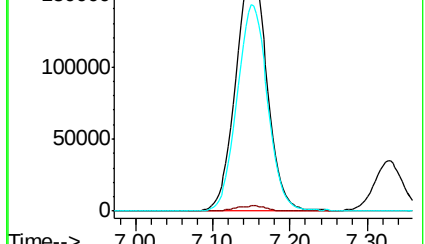
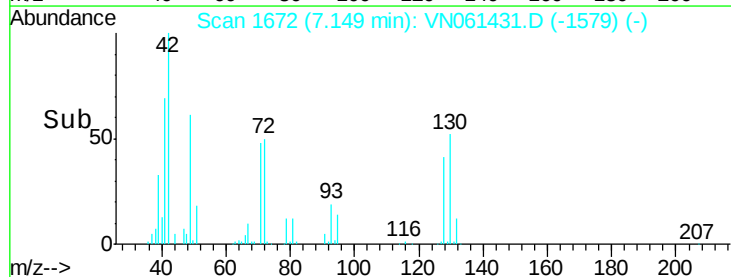


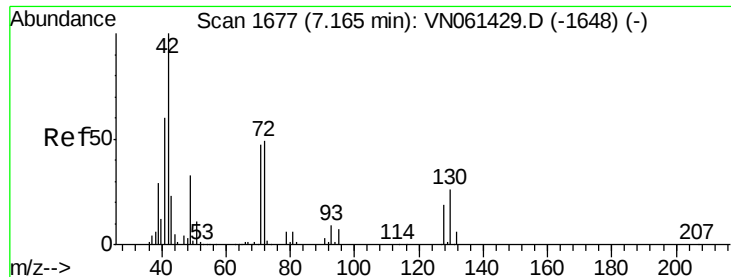
Abundance Ion 48.90 (48.60 to 49.60): VN061431.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061431.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061431.D (-1579) (-)

Time-->

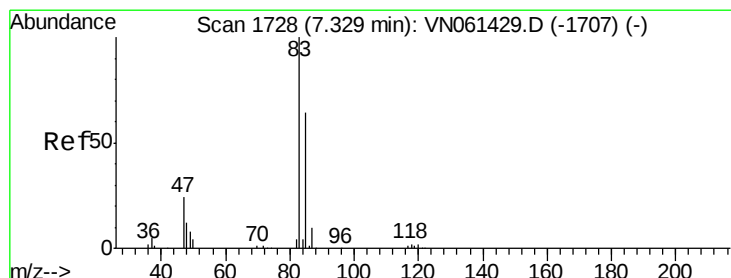
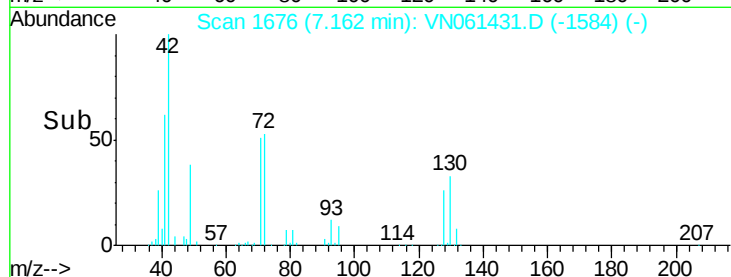
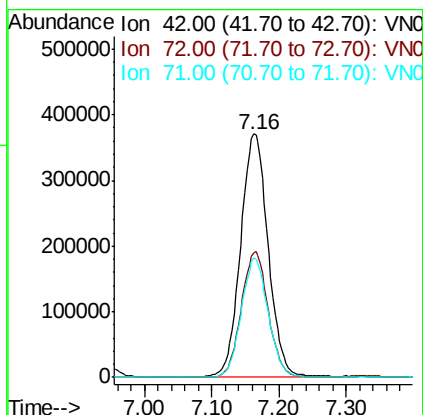
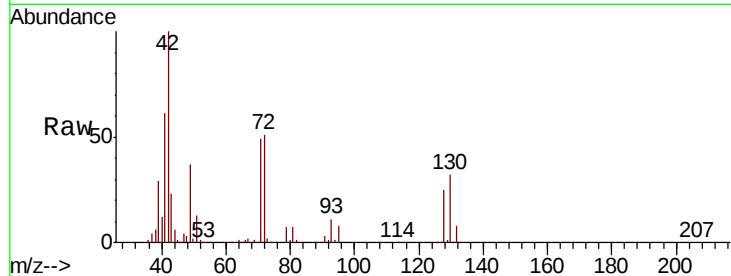




#29
Tetrahydrofuran
Concen: 711.964 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

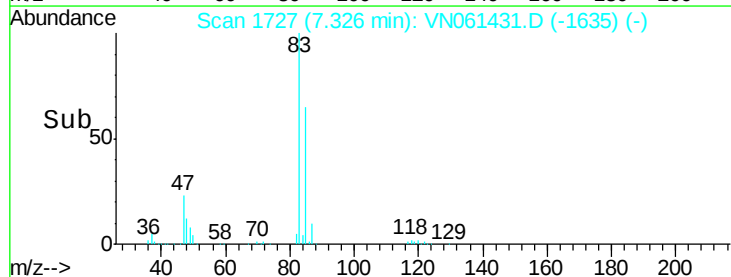
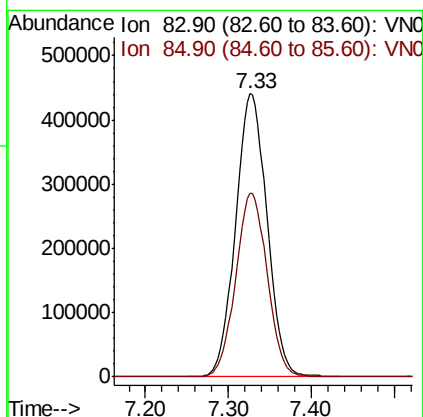
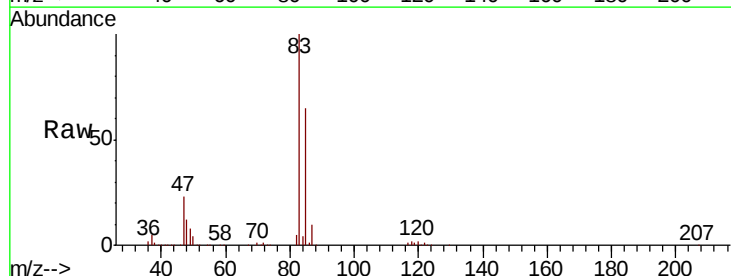
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

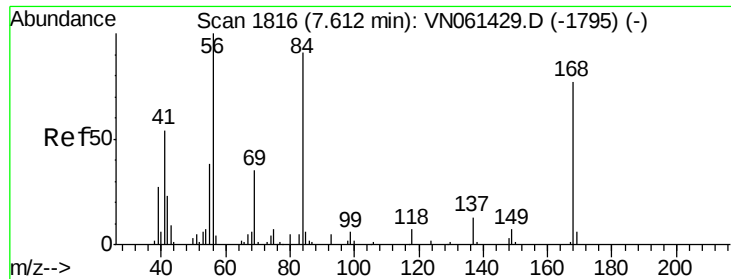
Tot Ion: 42 Resp: 1054910
Ion Ratio Lower Upper
42 100
72 50.2 39.0 58.6
71 47.7 36.9 55.3



#30
Chloroform
Concen: 142.755 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion: 83 Resp: 1164458
Ion Ratio Lower Upper
83 100
85 65.0 51.0 76.4

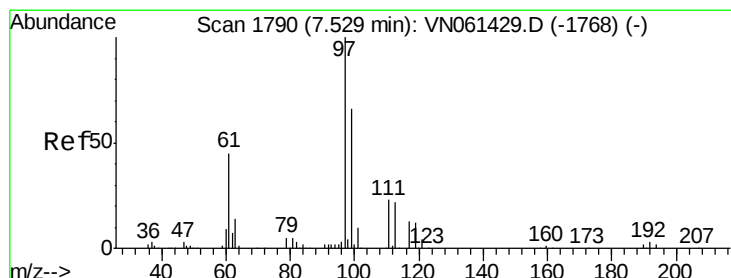
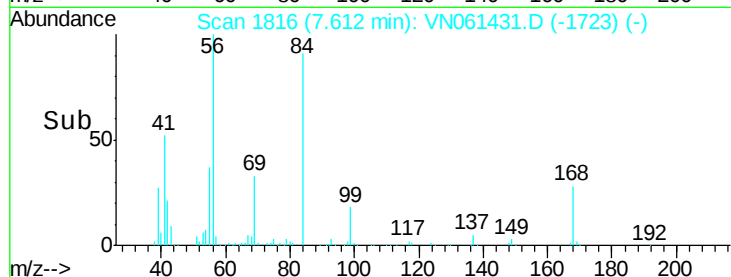
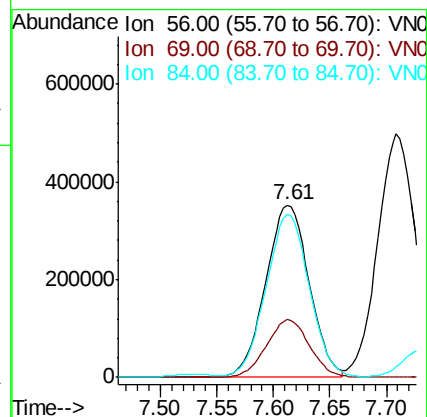
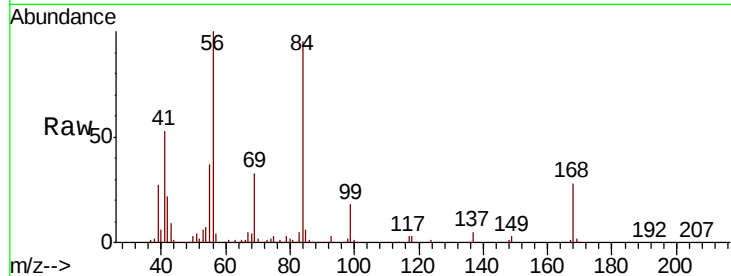




#31
Cyclohexane
Concen: 123.182 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

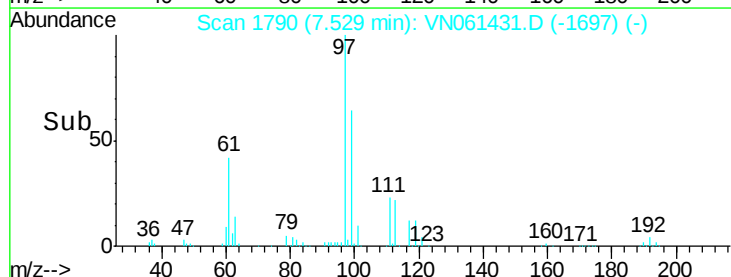
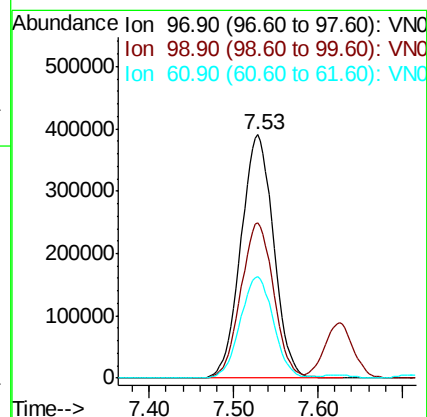
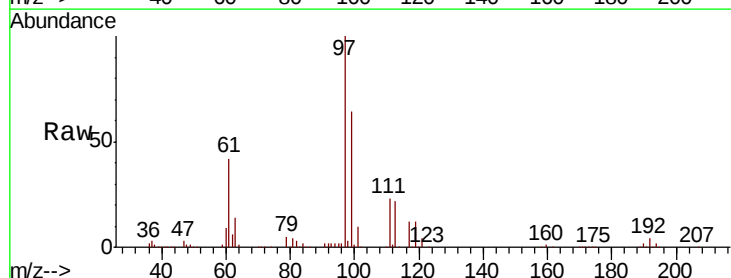
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

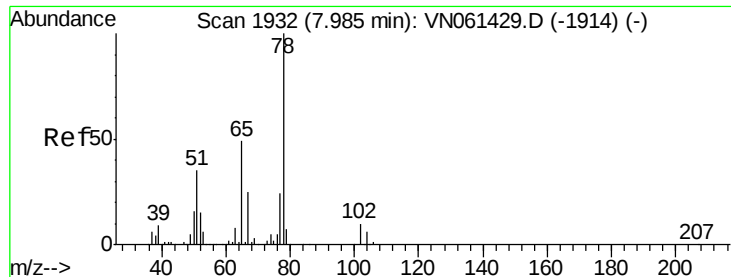
Tot Ion: 56 Resp: 939800
Ion Ratio Lower Upper
56 100
69 33.3 27.8 41.6
84 92.7 72.7 109.1



#32
1,1,1-Trichloroethane
Concen: 145.259 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion: 97 Resp: 1054675
Ion Ratio Lower Upper
97 100
99 63.9 51.5 77.3
61 42.3 35.8 53.6

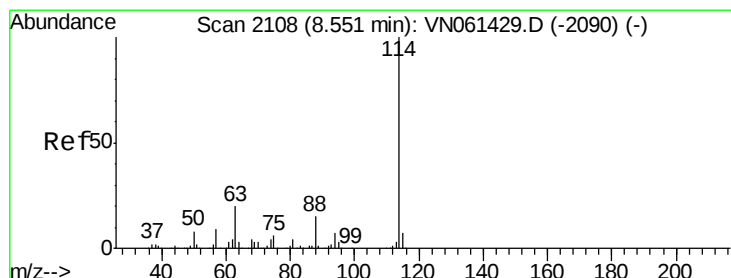
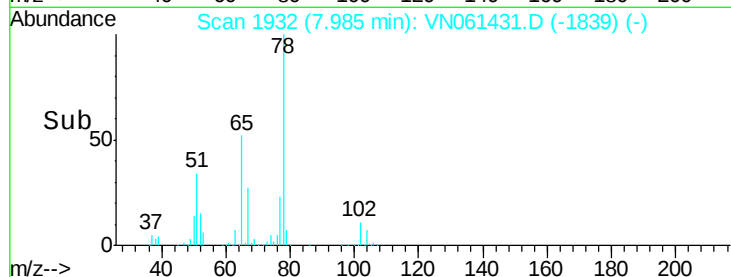
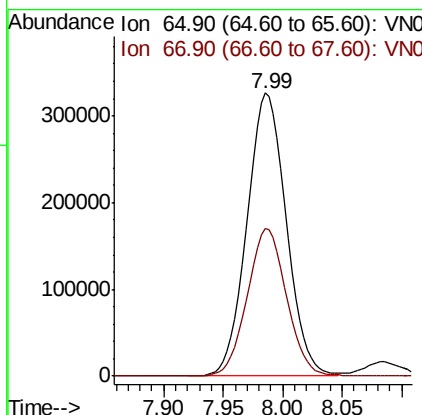
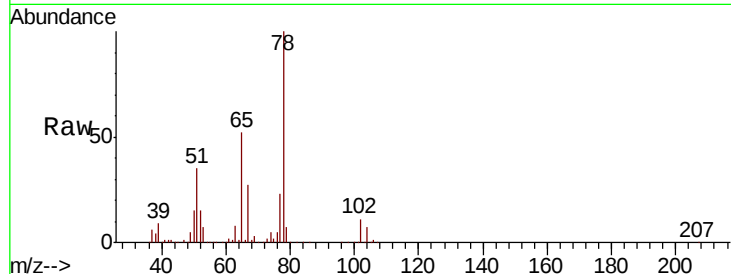




#33
 1,2-Dichloroethane-d4
 Concen: 143.053 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

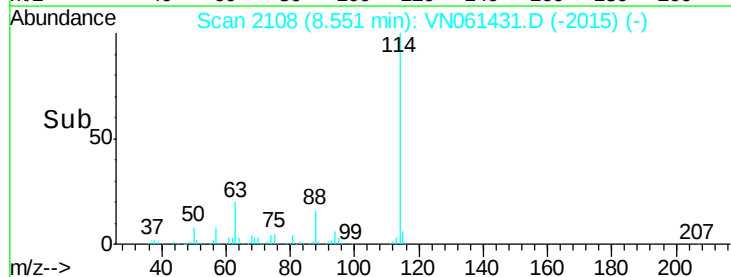
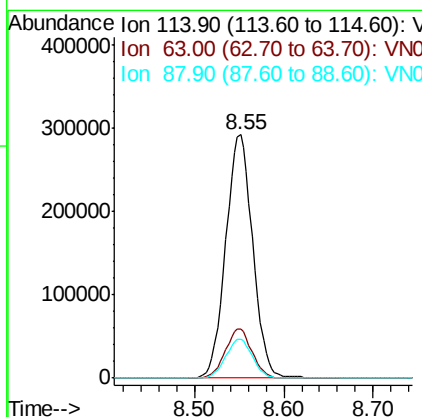
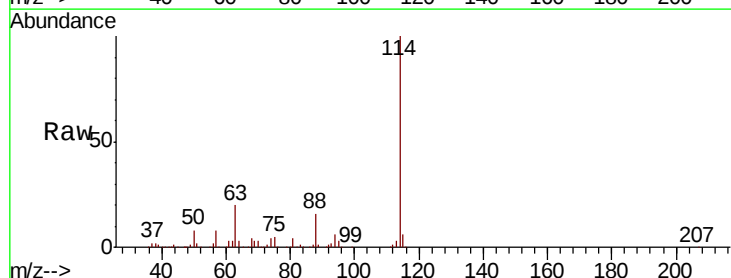
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

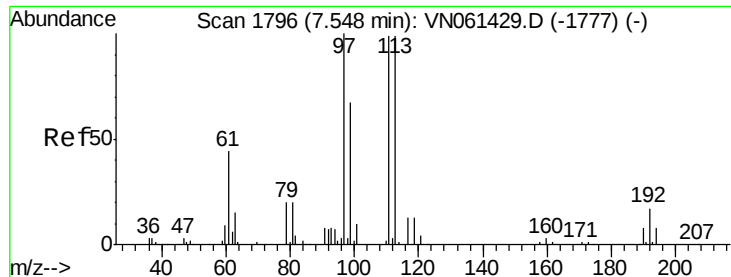
Tot Ion: 65 Resp: 747265
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion: 114 Resp: 609985
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 16.1 0.0 30.8

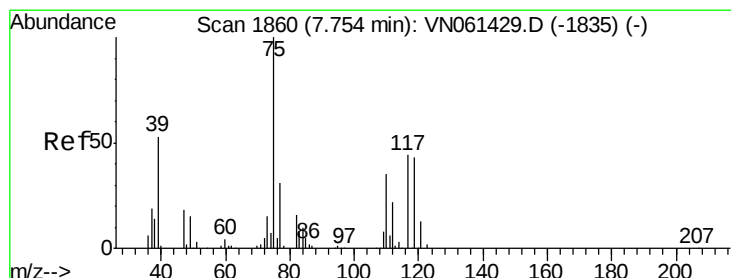
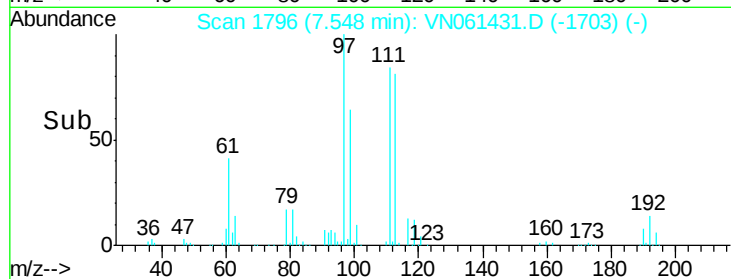
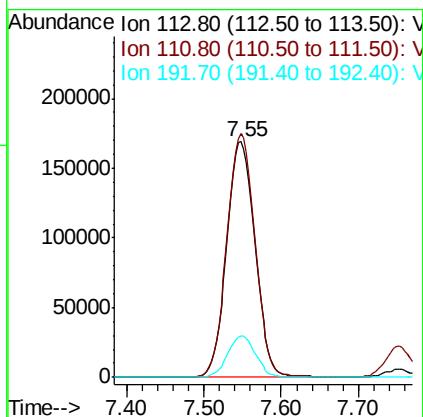
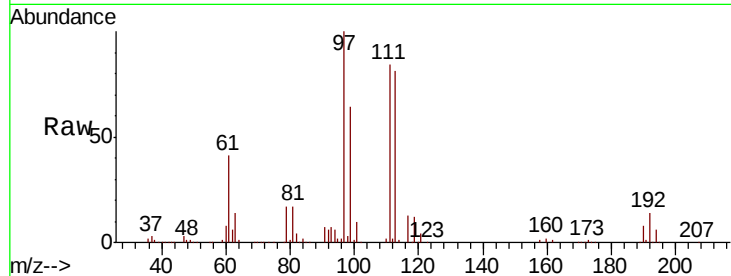




#35
 Dibromofluoromethane
 Concen: 140.624 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

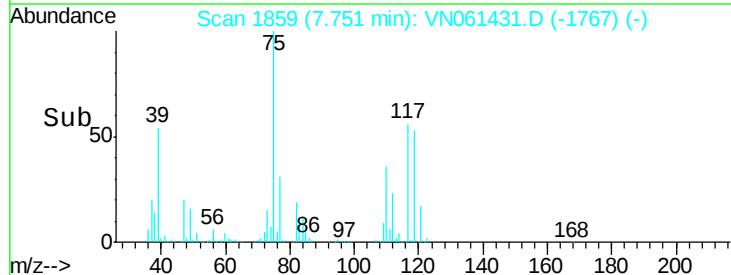
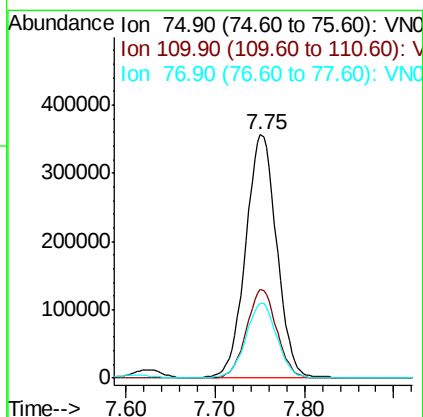
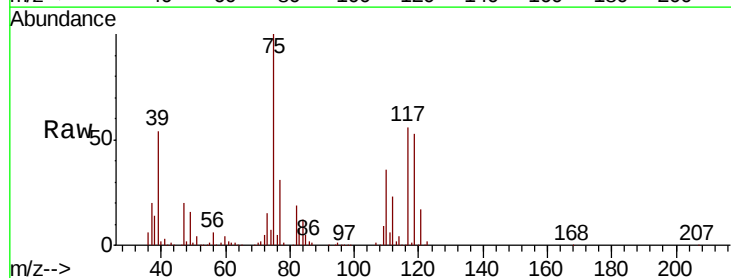
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

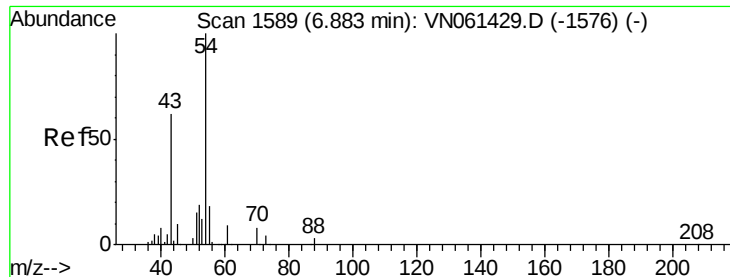
Tot Ion:113 Resp: 430990
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.6 121.0
 192 17.3 13.2 19.8



#36
 1,1-Dichloropropene
 Concen: 141.933 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion: 75 Resp: 863747
 Ion Ratio Lower Upper
 75 100
 110 35.8 17.3 51.9
 77 30.8 24.9 37.3

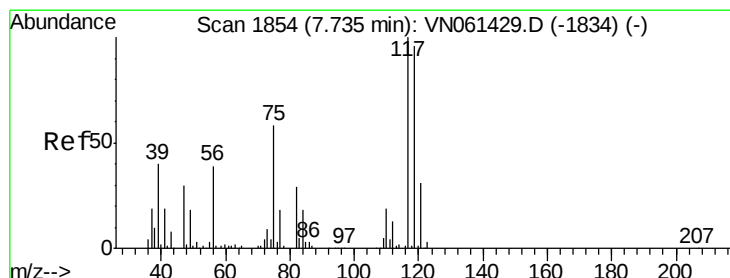
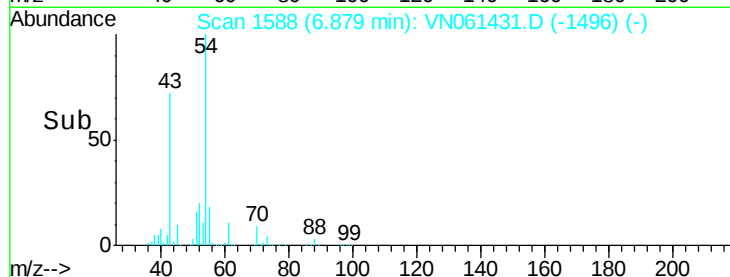
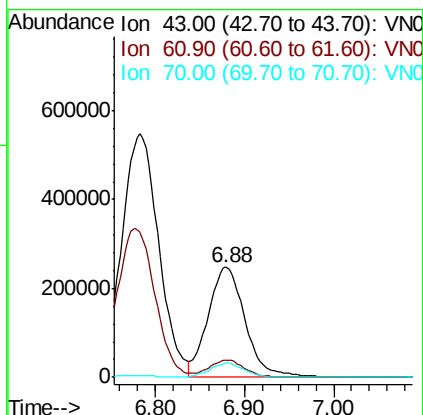
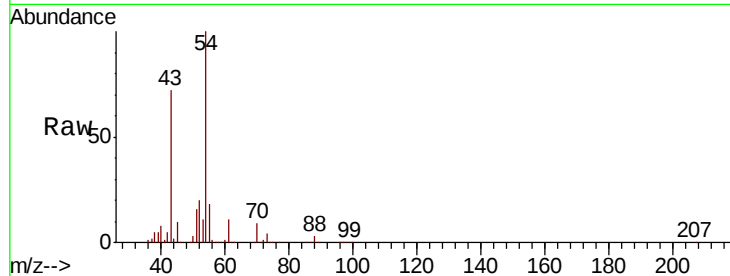




#37
Ethyl Acetate
Concen: 138.984 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

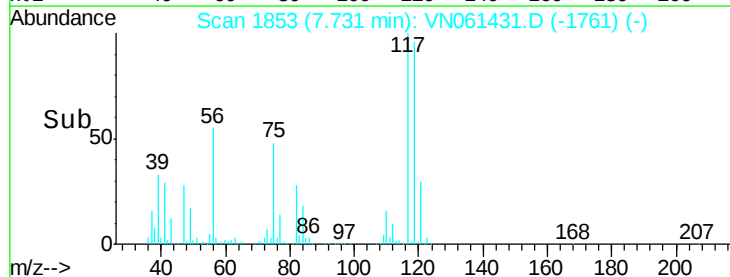
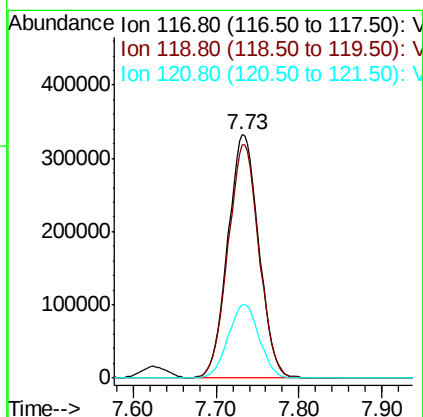
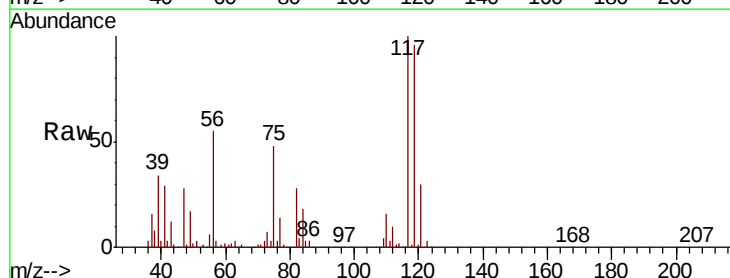
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

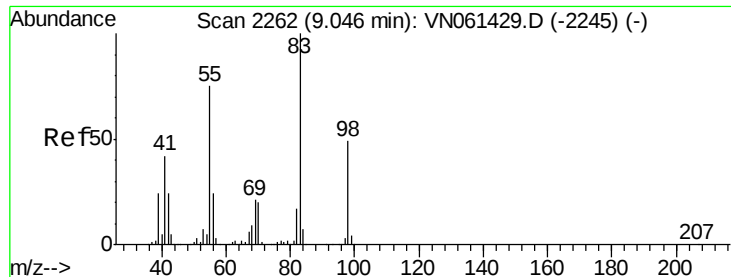
Tot Ion: 43 Resp: 705088
Ion Ratio Lower Upper
43 100
61 15.2 11.7 17.5
70 11.9 9.2 13.8



#38
Carbon Tetrachloride
Concen: 165.377 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion: 117 Resp: 862785
Ion Ratio Lower Upper
117 100
119 95.6 77.0 115.6
121 30.0 24.7 37.1

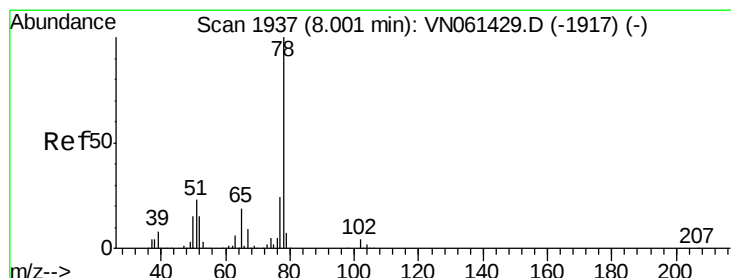
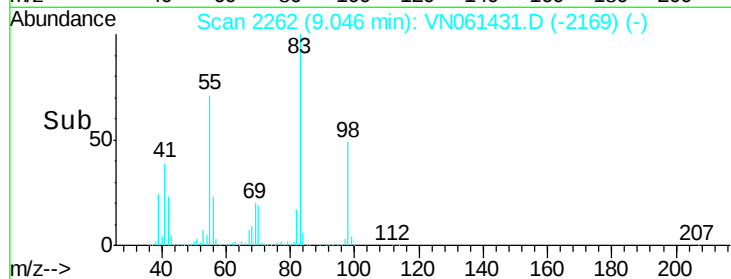
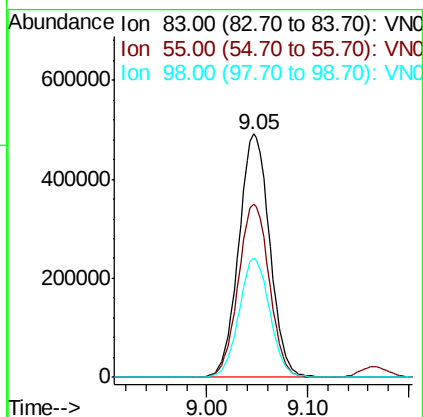
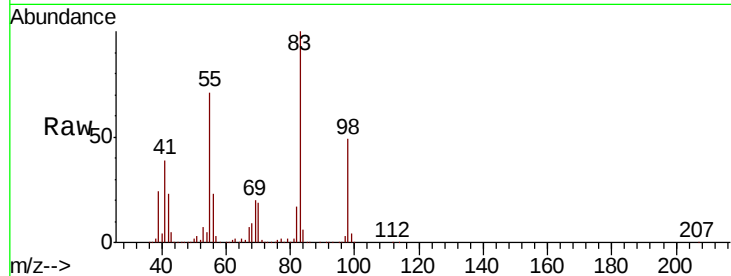




#39
Methvlcvclohexane
Concen: 144.094 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

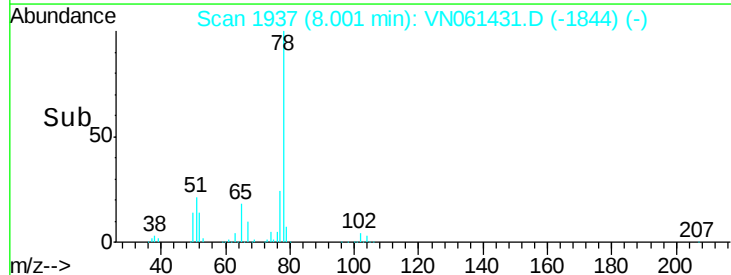
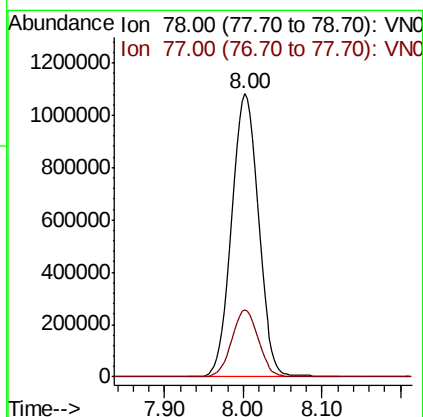
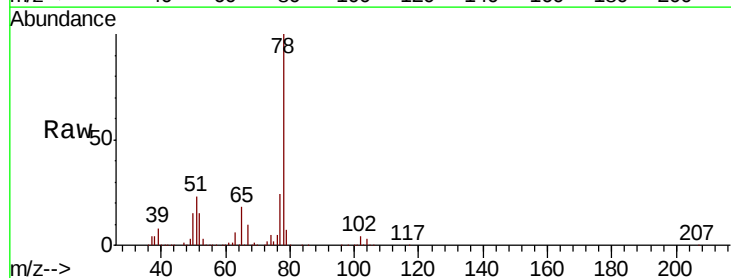
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

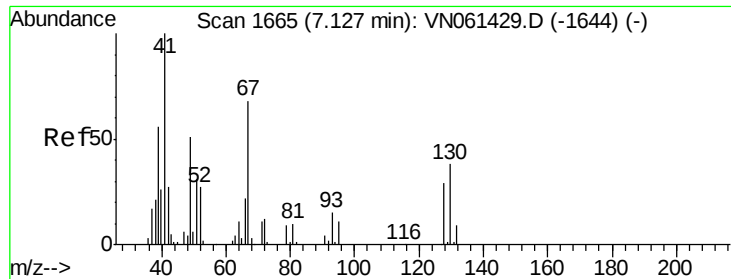
Tot Ion: 83 Resp: 1043635
Ion Ratio Lower Upper
83 100
55 71.3 59.7 89.5
98 49.3 38.9 58.3



#40
Benzene
Concen: 143.742 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion: 78 Resp: 2574615
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7

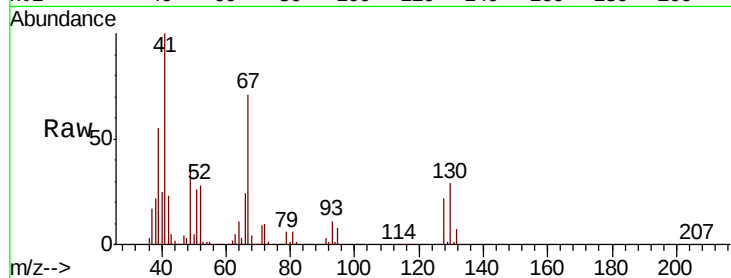




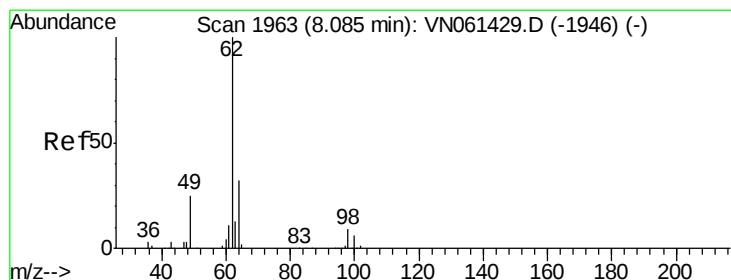
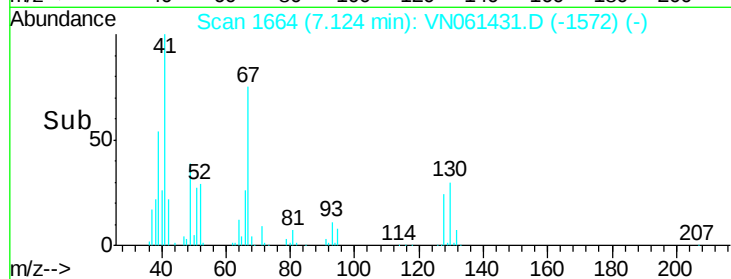
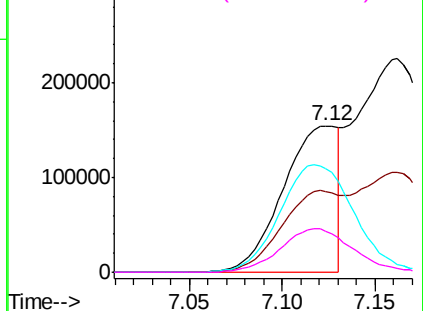
#41
Methacrylonitrile
Concen: 134.320 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	316209
Ion	Ratio	Lower	Upper
41	100		
39	61.0	48.3	72.5
67	100.8	74.2	111.4
52	39.2	30.8	46.2

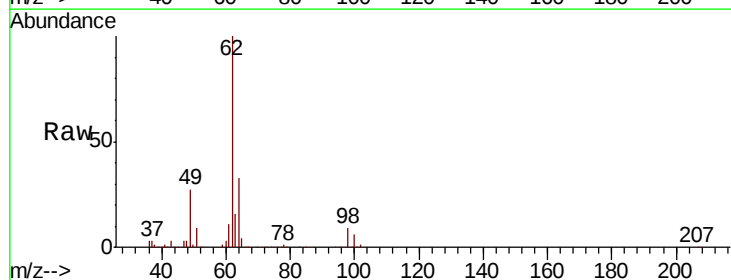


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

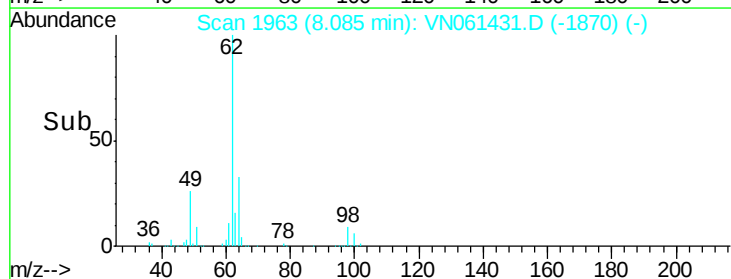
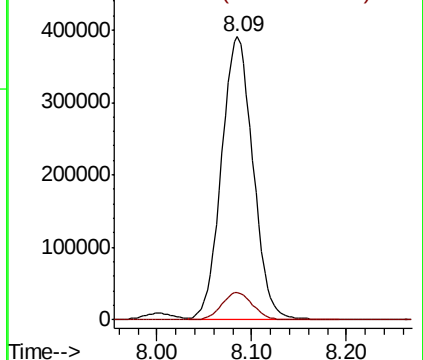


#42
1,2-Dichloroethane
Concen: 140.070 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion:	62	Resp:	901804
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 131.738 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

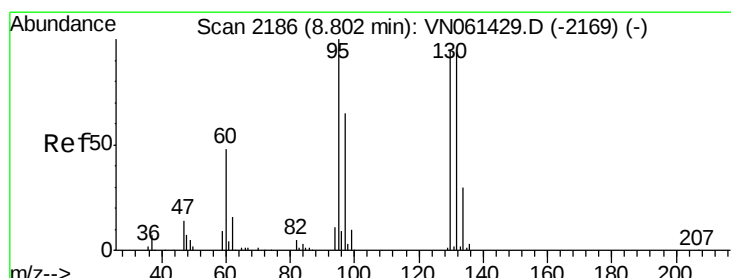
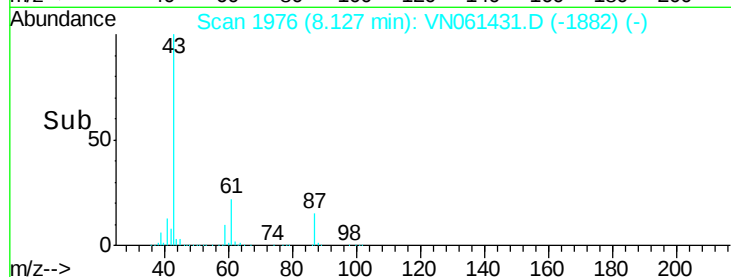
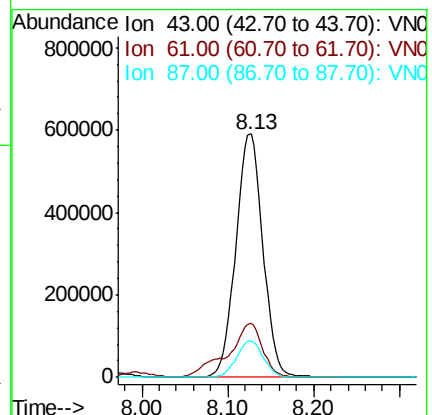
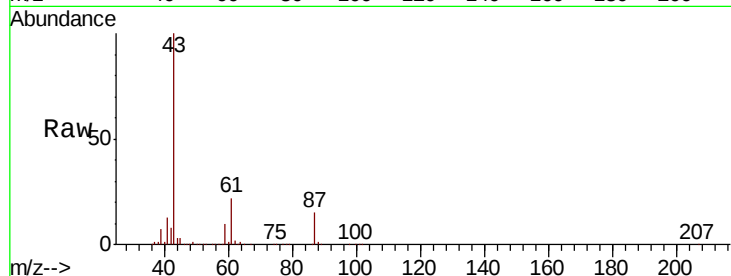
Tot Ion: 43 Resp: 1285048

Ion Ratio Lower Upper

43 100

61 28.6 23.0 34.4

87 15.0 11.6 17.4



#44

Trichloroethene

Concen: 151.816 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061431.D

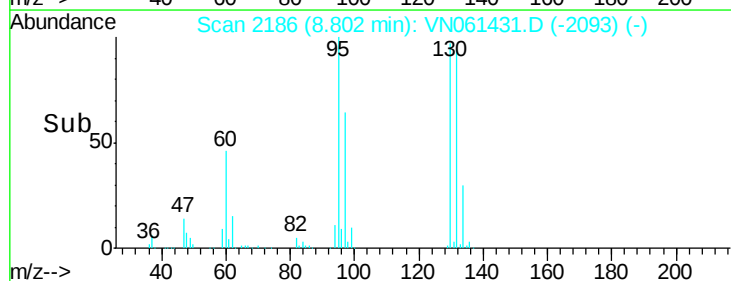
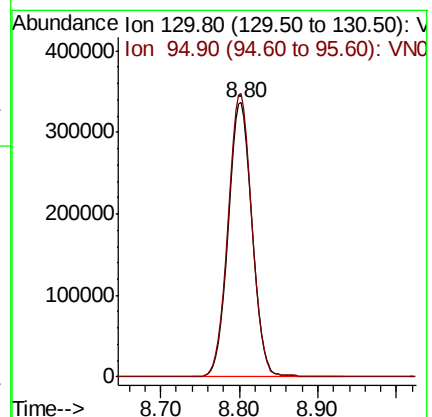
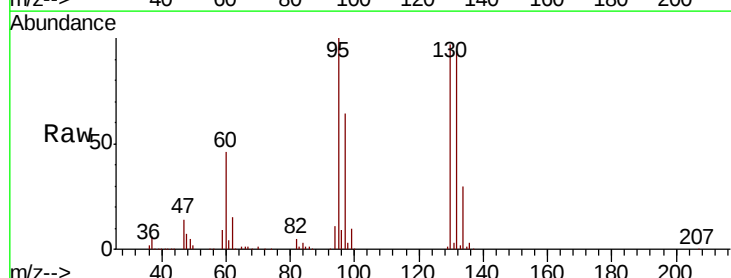
Acq: 18 May 2020 12:47

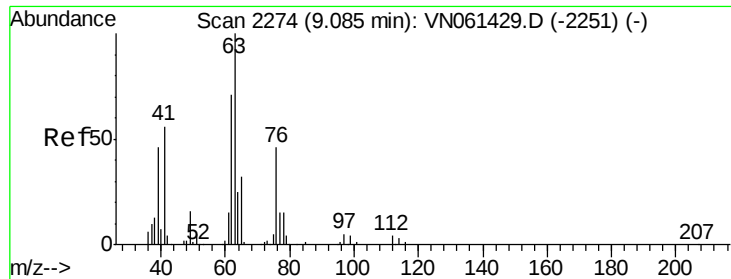
Tgt Ion: 130 Resp: 702638

Ion Ratio Lower Upper

130 100

95 103.2 0.0 209.8





#45

1,2-Dichloropropane

Concen: 142.454 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

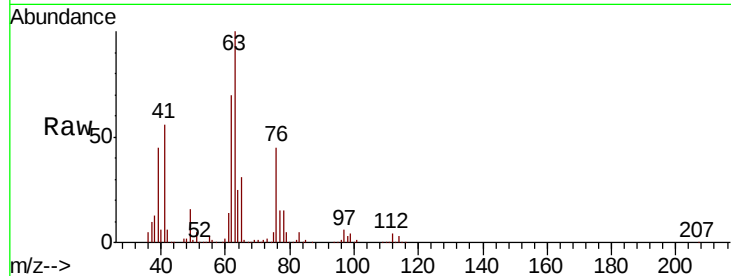
VSTDIC150

Tot Ion: 63 Resp: 642739

Ion Ratio Lower Upper

63 100

65 30.6 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN061431.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN061431.D (-2181) (-)

9.08

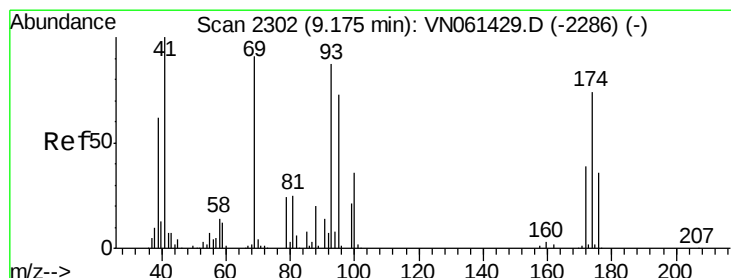
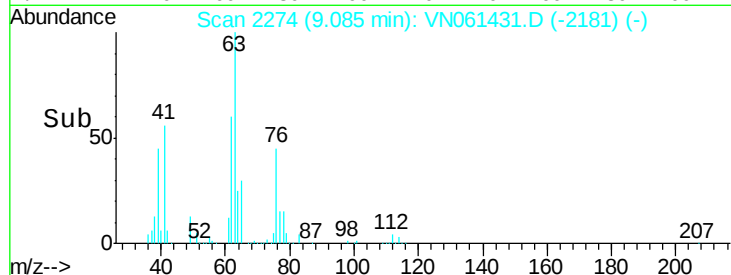
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 150.160 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

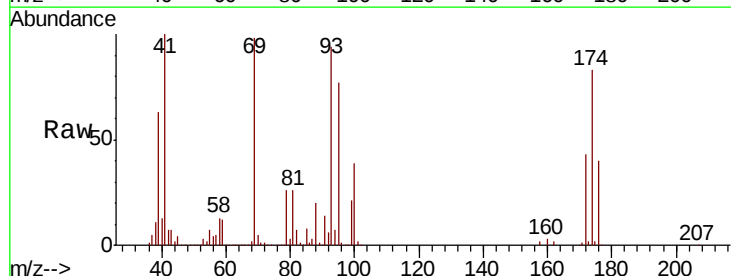
Tgt Ion: 93 Resp: 455590

Ion Ratio Lower Upper

93 100

95 83.1 65.6 98.4

174 88.5 68.0 102.0



Abundance Ion 92.80 (92.50 to 93.50): VN061431.D (-2209) (-)

Ion 94.80 (94.50 to 95.50): VN061431.D (-2209) (-)

Ion 173.70 (173.40 to 174.40): VN061431.D (-2209) (-)

9.18

300000

250000

200000

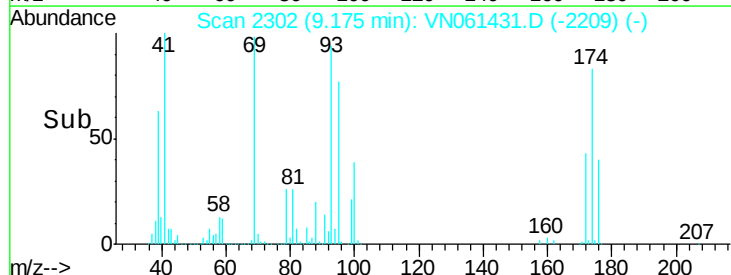
150000

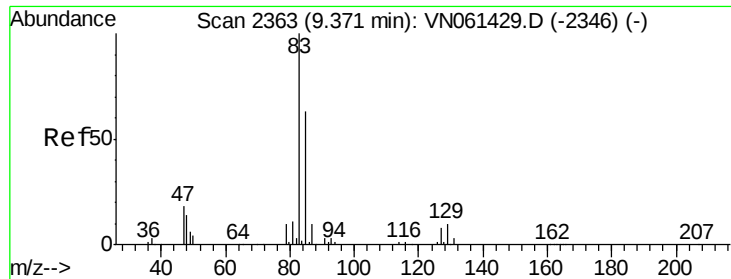
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 147.158 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

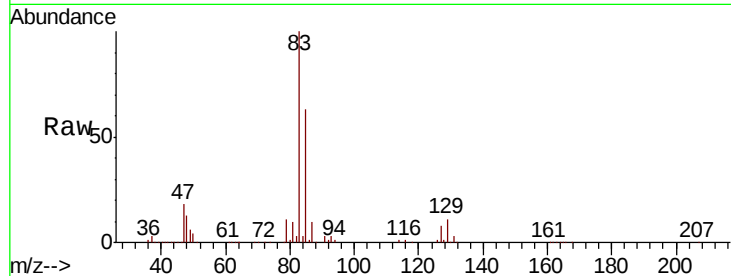
Tot Ion: 83 Resp: 969308

Ion Ratio Lower Upper

83 100

85 63.5 50.6 76.0

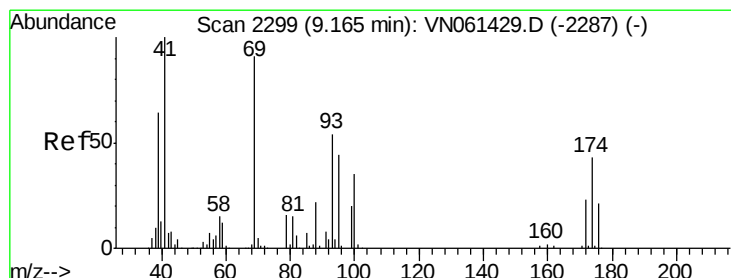
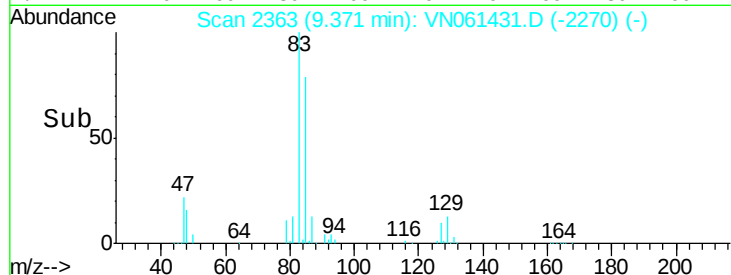
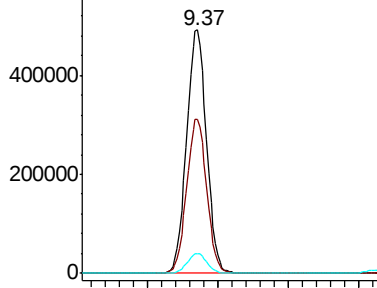
127 8.2 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 131.996 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

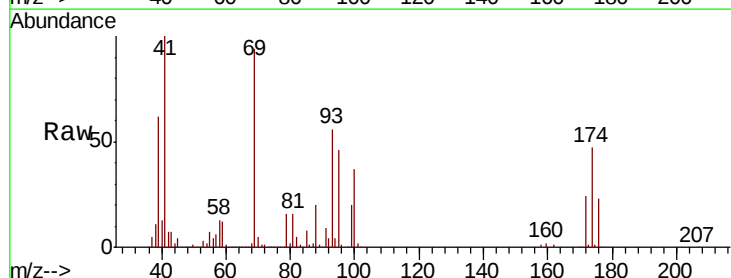
Tgt Ion: 41 Resp: 582655

Ion Ratio Lower Upper

41 100

69 97.7 75.3 112.9

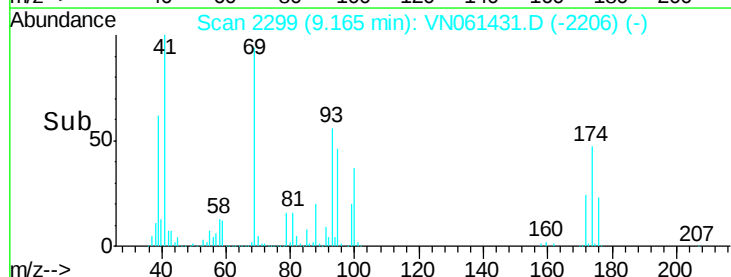
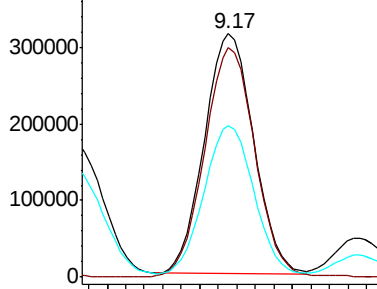
39 64.6 52.6 79.0

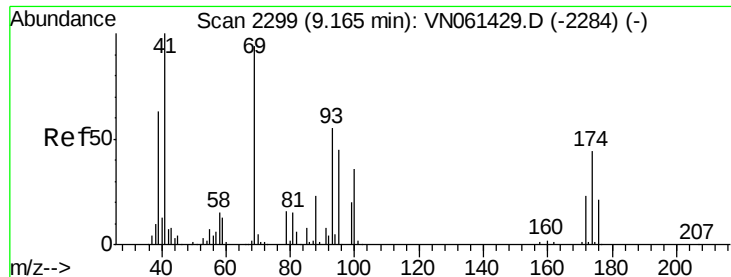


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

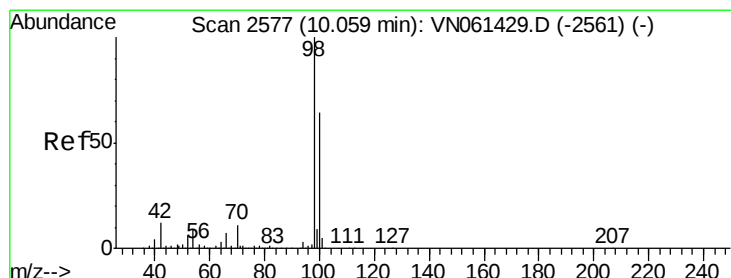
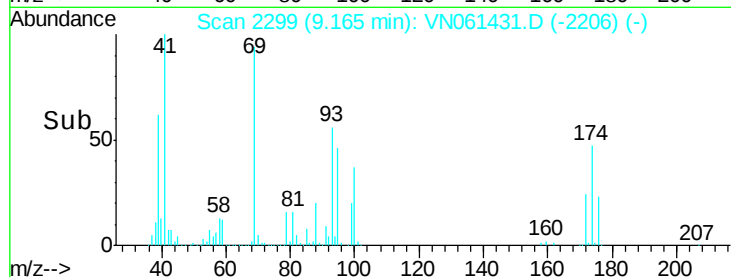
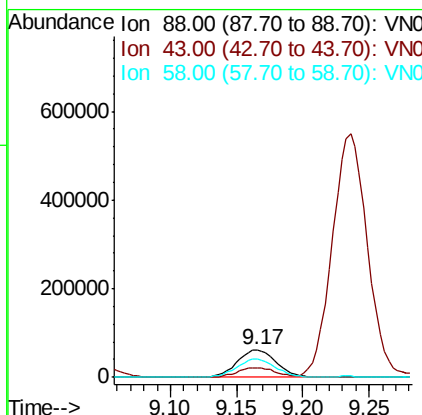
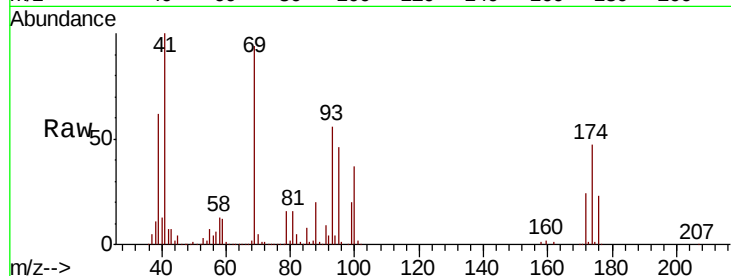




#49
 1,4-Dioxane
 Concen: 4451.251 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

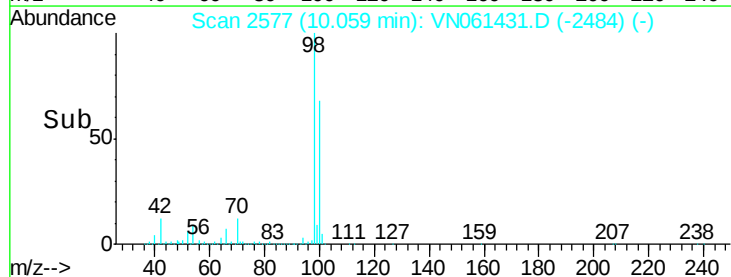
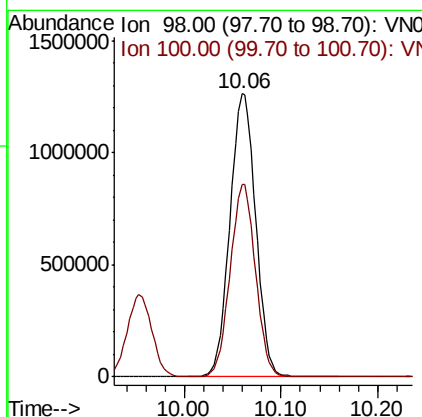
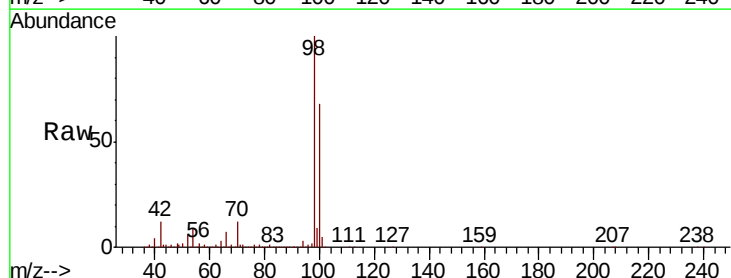
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 88 Resp: 127445
 Ion Ratio Lower Upper
 88 100
 43 33.8 26.3 39.5
 58 66.9 54.1 81.1



#50
 Toluene-d8
 Concen: 154.637 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion: 98 Resp: 2340762
 Ion Ratio Lower Upper
 98 100
 100 66.8 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 658.910 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

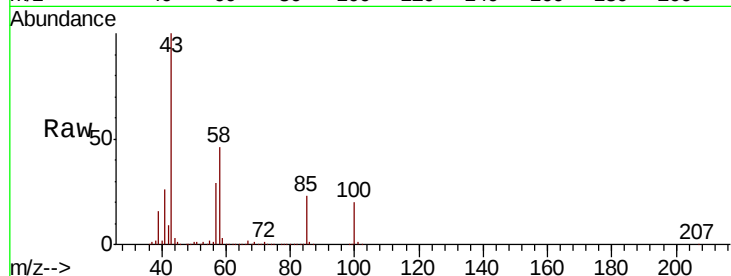
VSTDIC150

Tot Ion: 43 Resp: 3461032

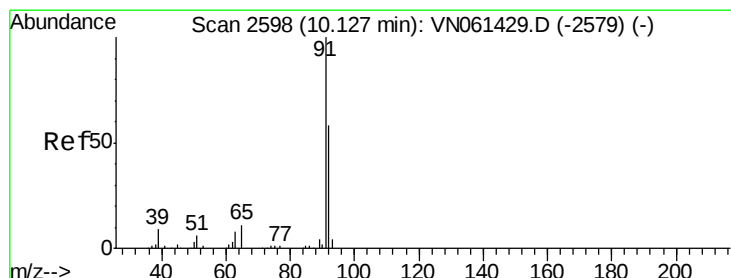
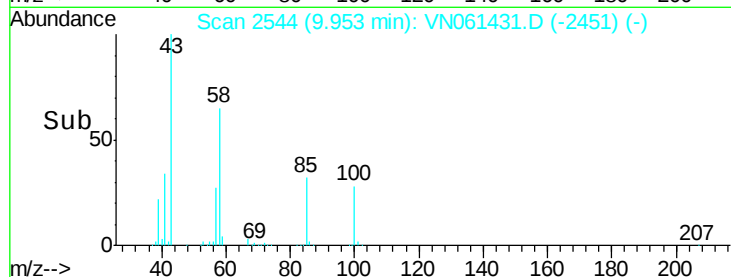
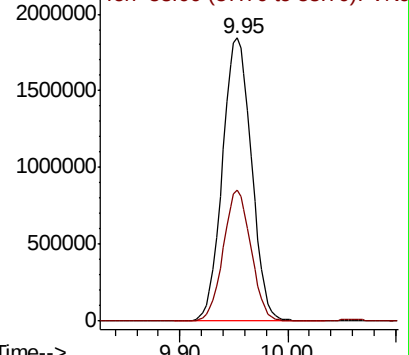
Ion Ratio Lower Upper

43 100

58 44.2 33.4 50.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-2524) (-)



#52

Toluene

Concen: 150.994 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061431.D

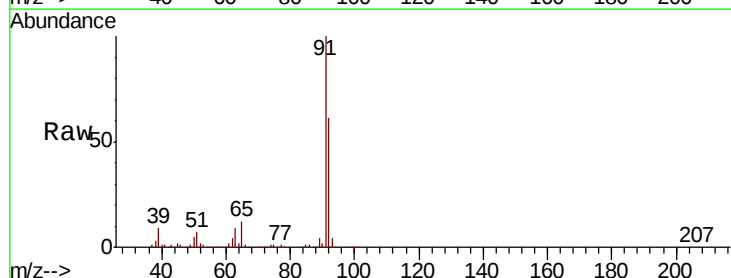
Acq: 18 May 2020 12:47

Tgt Ion: 92 Resp: 1716704

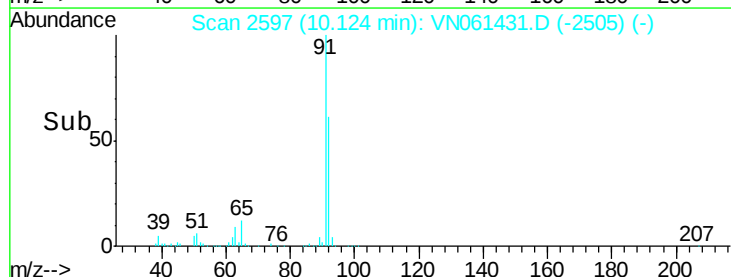
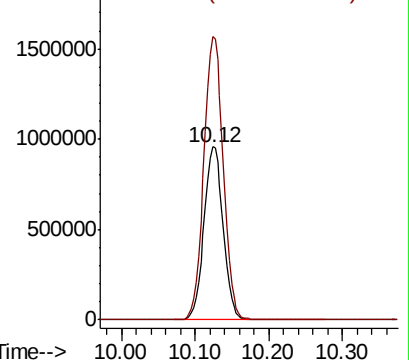
Ion Ratio Lower Upper

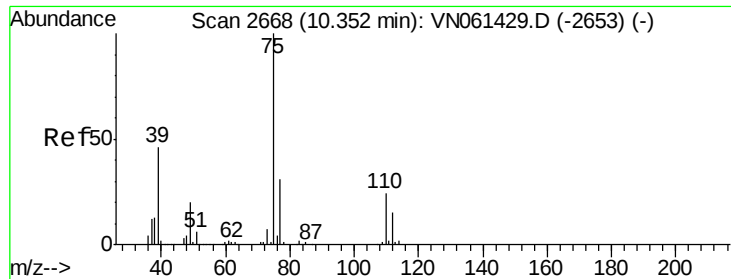
92 100

91 166.3 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN061429.D (-2579) (-)





#53

t-1,3-Dichloropropene

Concen: 151.447 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

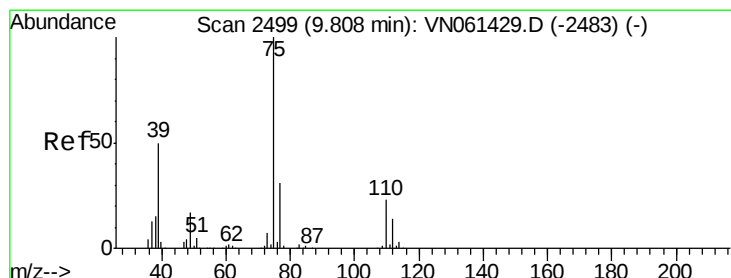
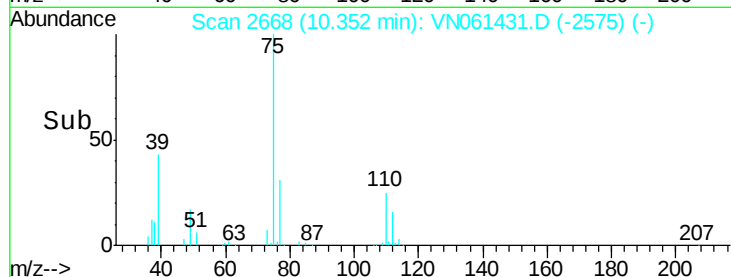
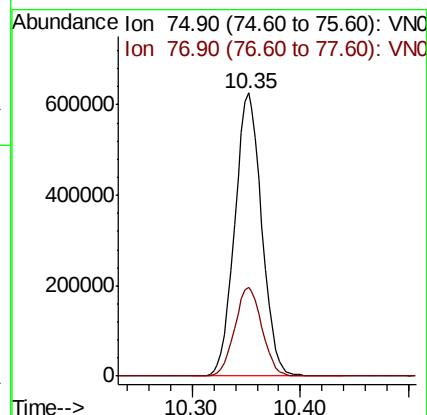
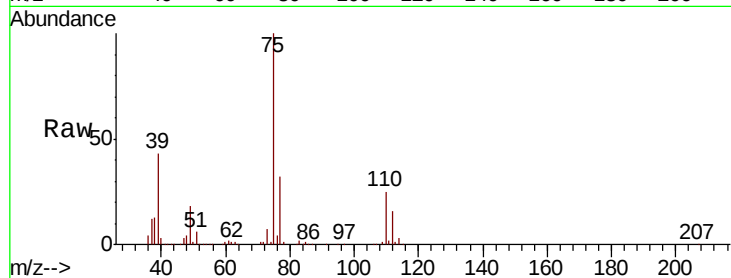
VSTDIC150

Tot Ion: 75 Resp: 1090897

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 149.544 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

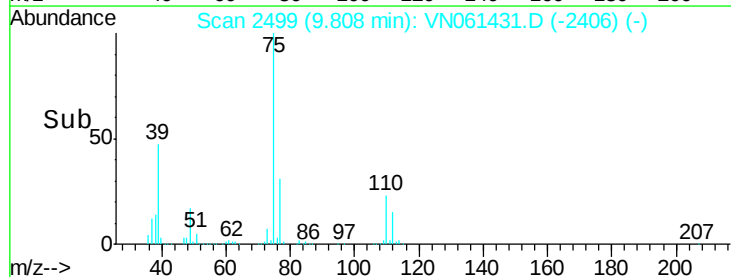
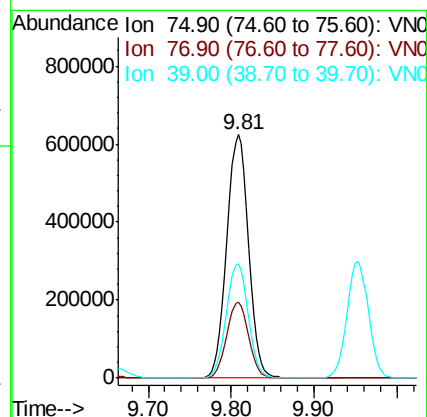
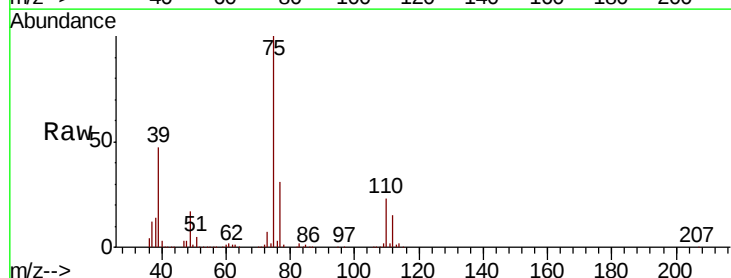
Tgt Ion: 75 Resp: 1136157

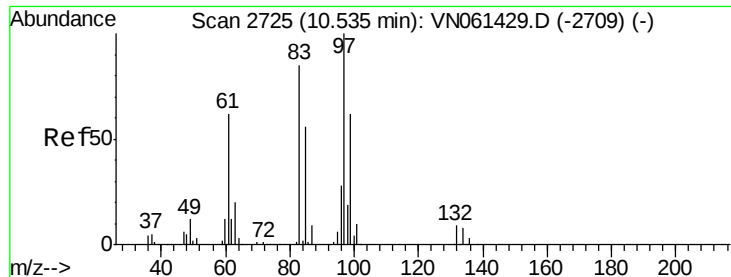
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 46.9 39.8 59.6

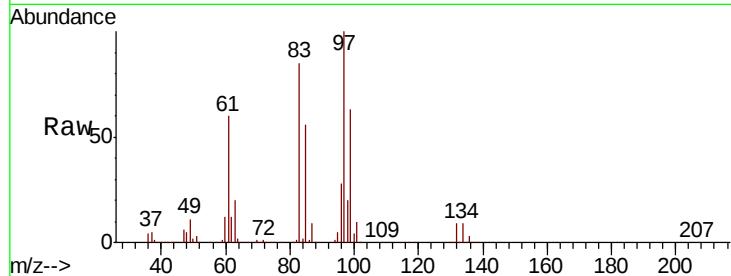




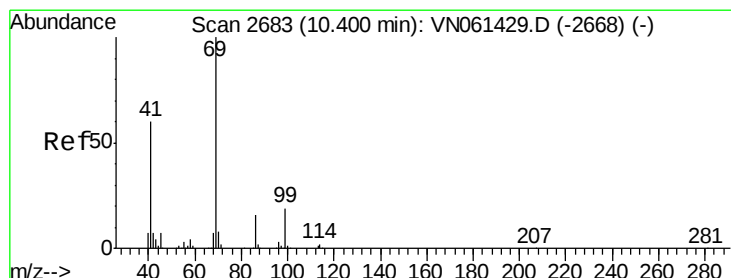
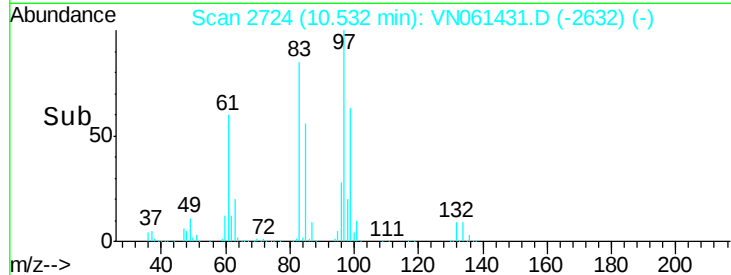
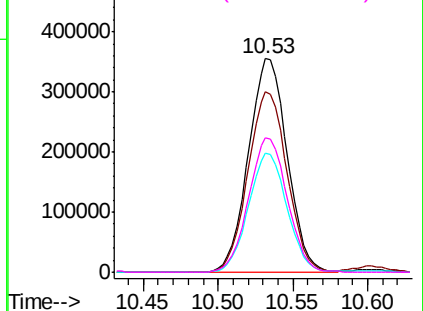
#55
 1,1,2-Trichloroethane
 Concen: 151.526 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:	97	Resp:	640962
Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.2	102.4
85	55.7	44.6	67.0
99	63.1	49.5	74.3

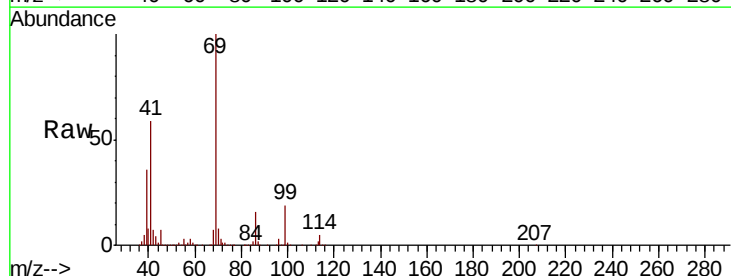


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

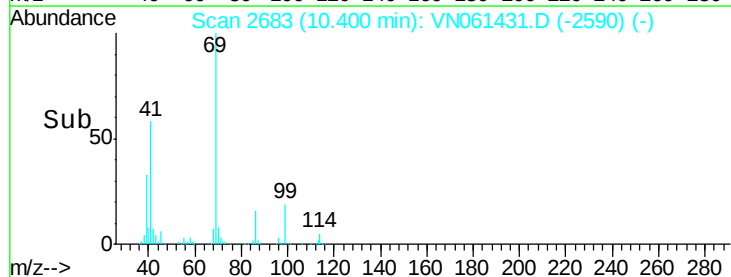
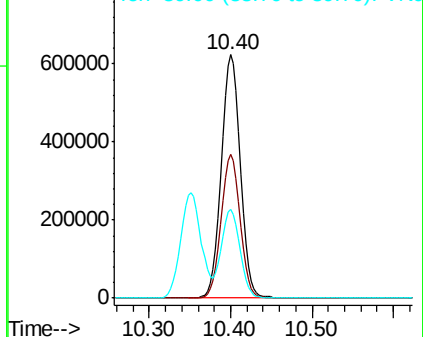


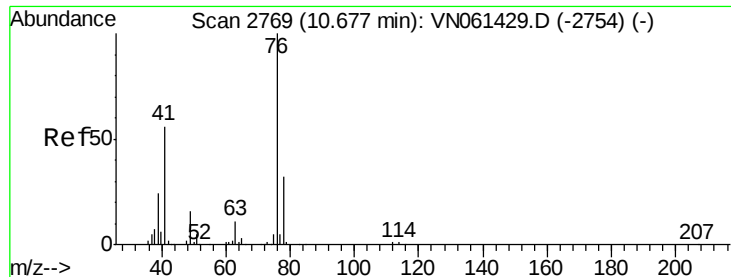
#56
 Ethyl methacrylate
 Concen: 149.673 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion:	69	Resp:	1035190
Ion	Ratio	Lower	Upper
69	100		
41	58.4	48.3	72.5
39	35.5	30.2	45.2



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

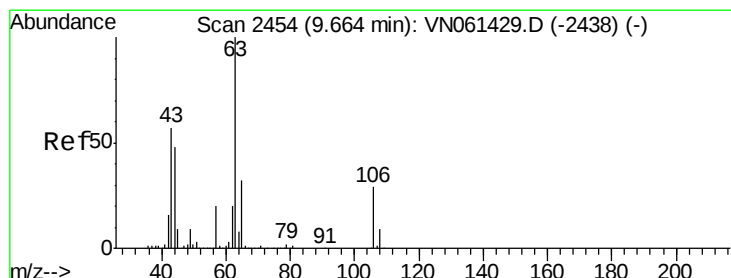
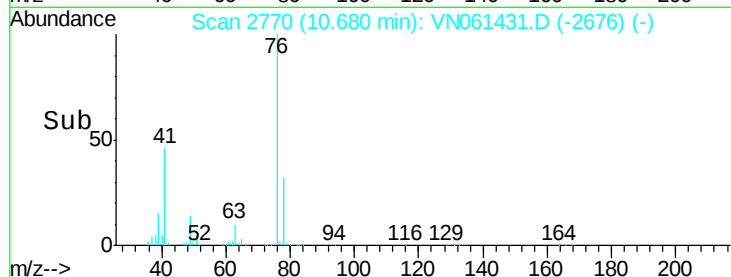
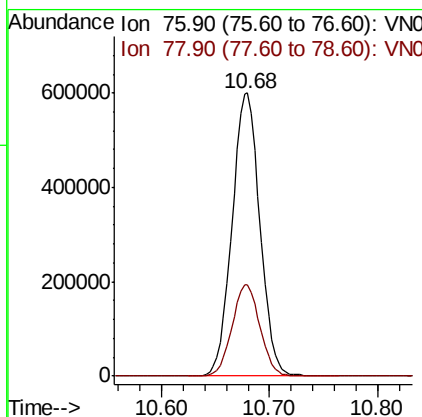
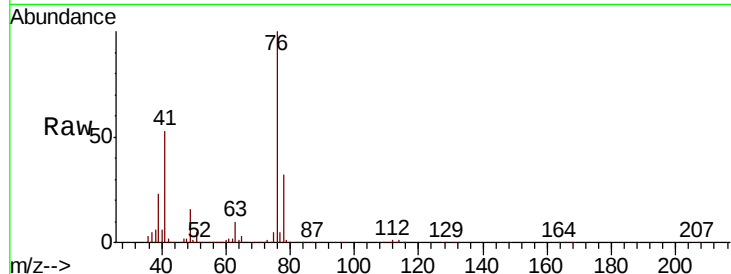




#57
 1,3-Dichloropropane
 Concen: 146.304 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

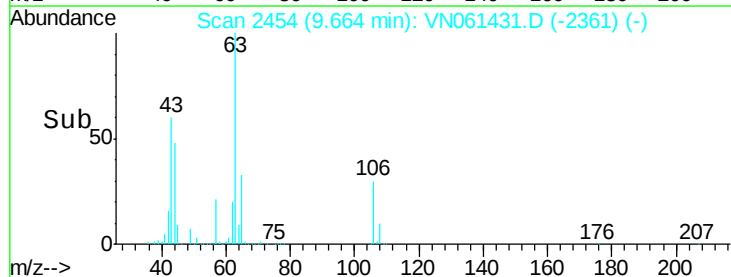
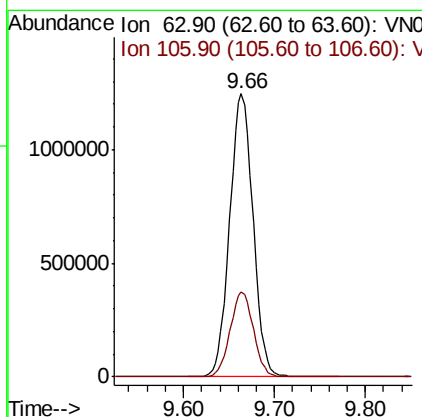
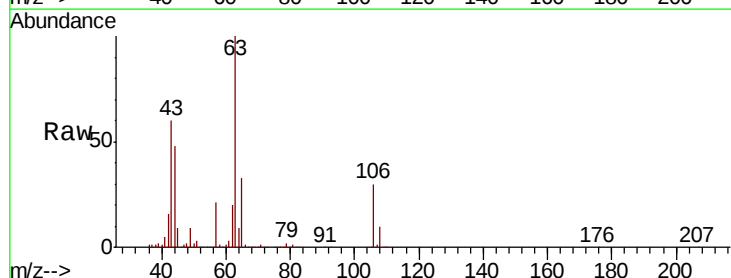
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

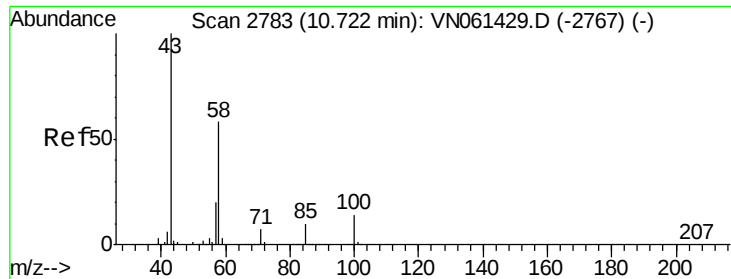
Tot Ion: 76 Resp: 1078259
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 761.459 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion: 63 Resp: 2224457
 Ion Ratio Lower Upper
 63 100
 106 29.9 22.7 34.1

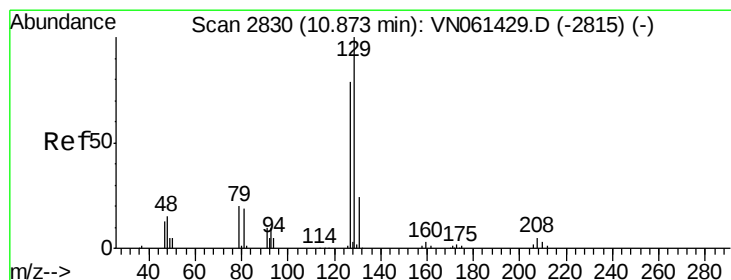
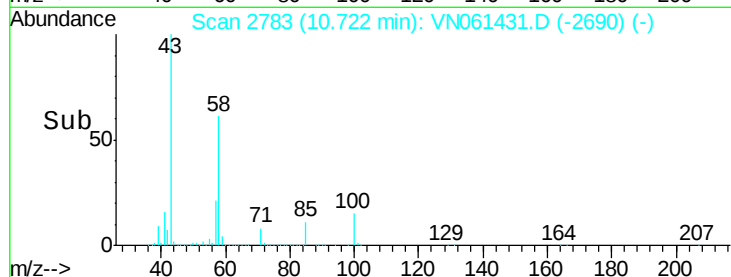
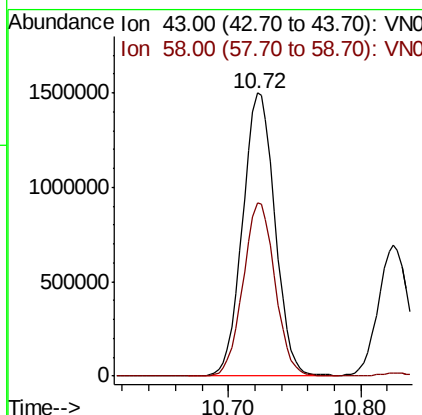
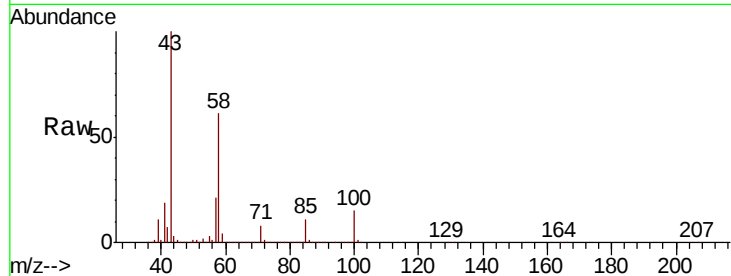




#59
2-Hexanone
Concen: 704.397 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

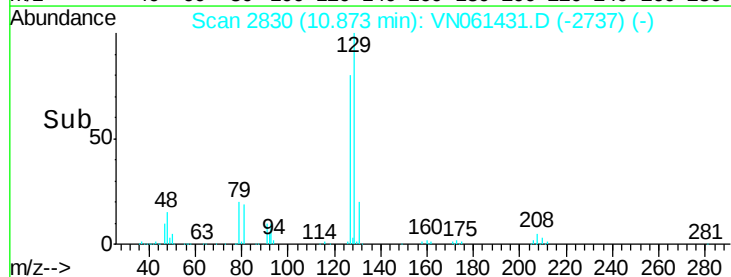
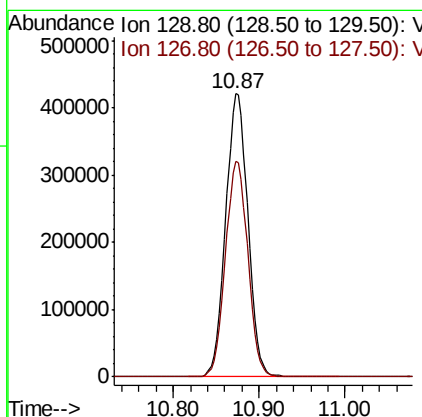
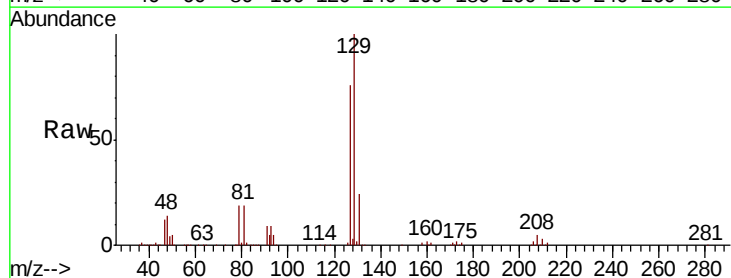
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

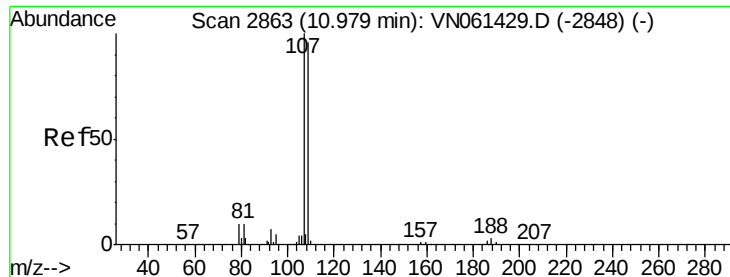
Tot Ion: 43 Resp: 2534589
Ion Ratio Lower Upper
43 100
58 60.5 29.2 87.6



#60
Dibromochloromethane
Concen: 160.977 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion: 129 Resp: 757053
Ion Ratio Lower Upper
129 100
127 76.7 38.8 116.3





#61

1,2-Dibromoethane

Concen: 152.347 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

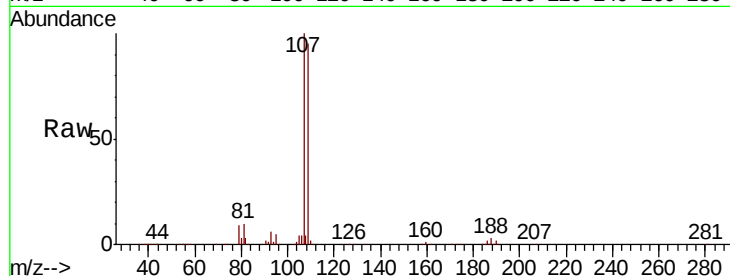
VSTDIC150

Tot Ion:107 Resp: 677832

Ion Ratio Lower Upper

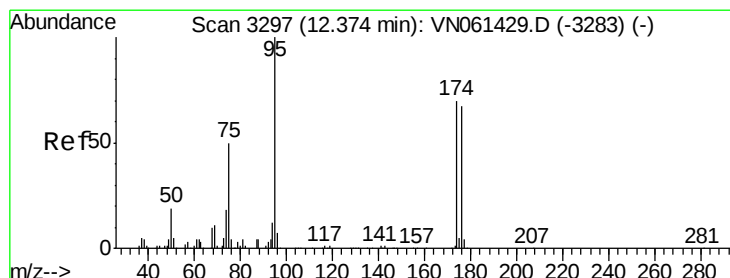
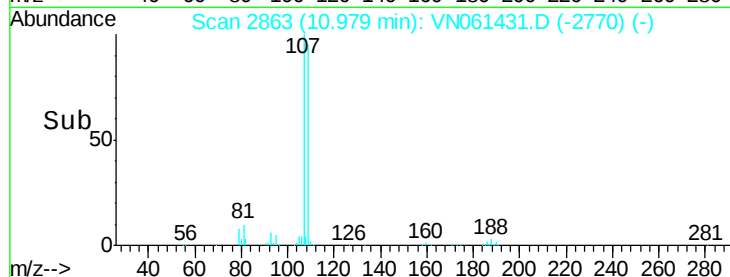
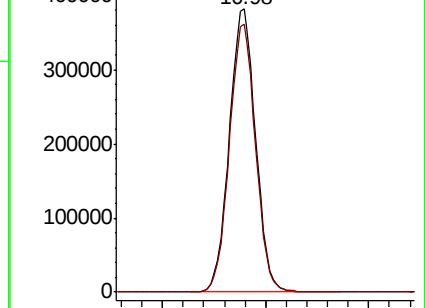
107 100

109 94.3 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 162.278 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

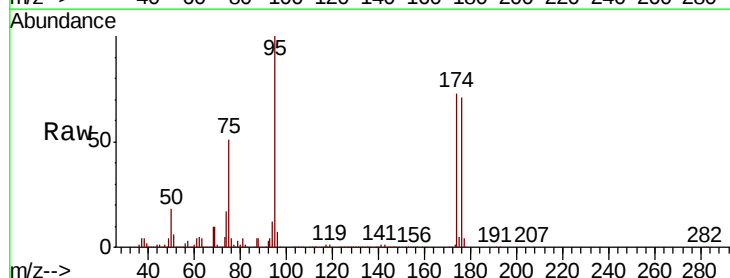
Tgt Ion: 95 Resp: 906490

Ion Ratio Lower Upper

95 100

174 73.6 0.0 141.2

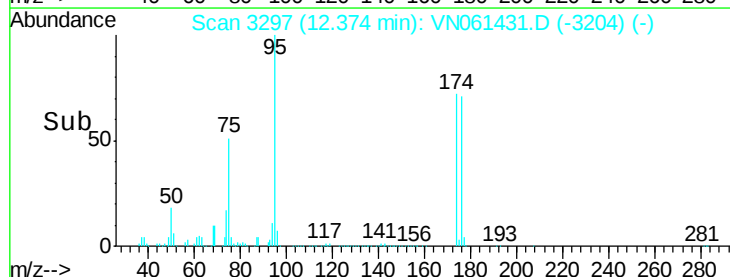
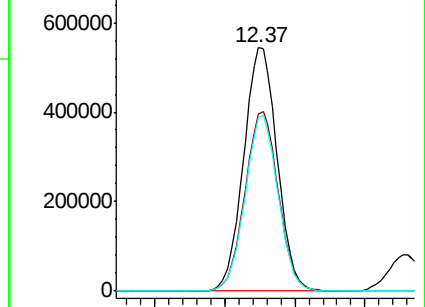
176 71.1 0.0 137.6

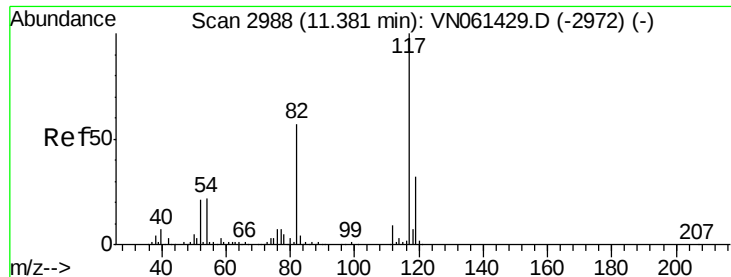


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

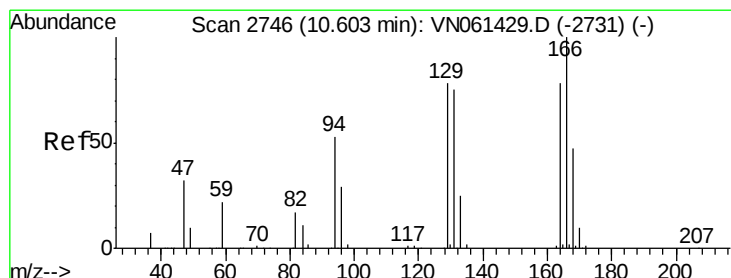
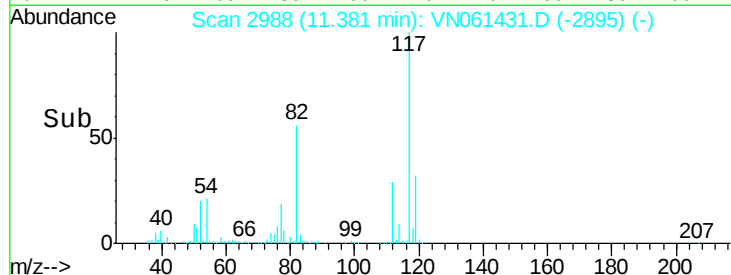
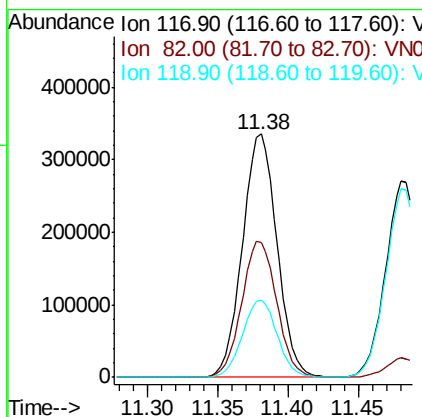
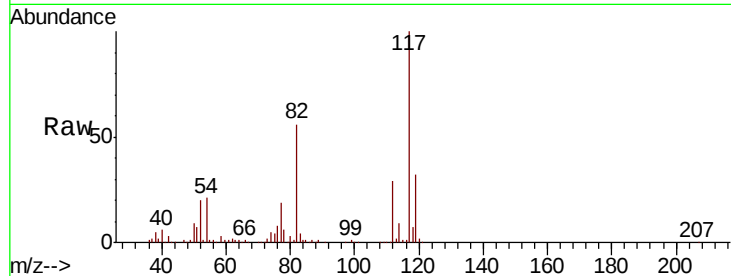




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

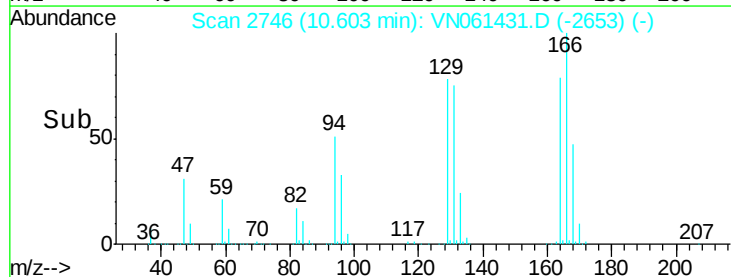
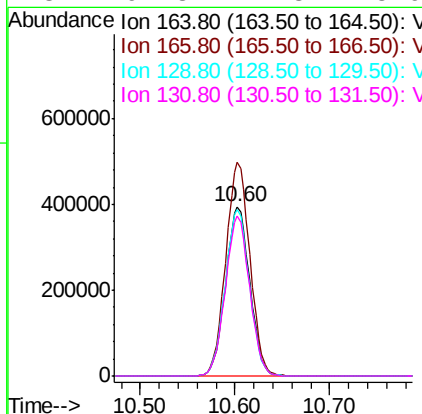
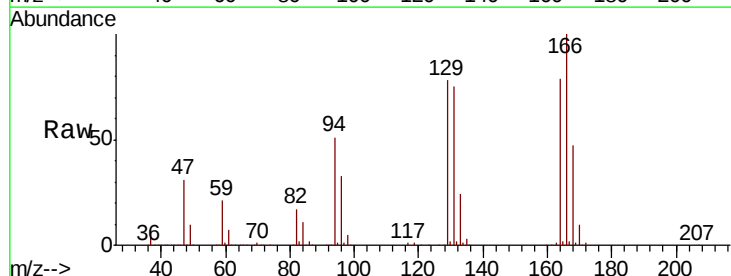
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

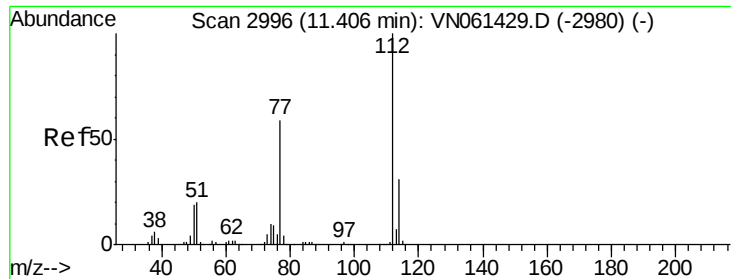
Tot Ion:117 Resp: 577565
Ion Ratio Lower Upper
117 100
82 55.6 45.2 67.8
119 31.9 25.3 37.9



#64
Tetrachloroethene
Concen: 154.959 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion:164 Resp: 700703
Ion Ratio Lower Upper
164 100
166 126.1 103.2 154.8
129 98.5 81.0 121.4
131 94.3 77.3 115.9





#65

Chlorobenzene

Concen: 148.865 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

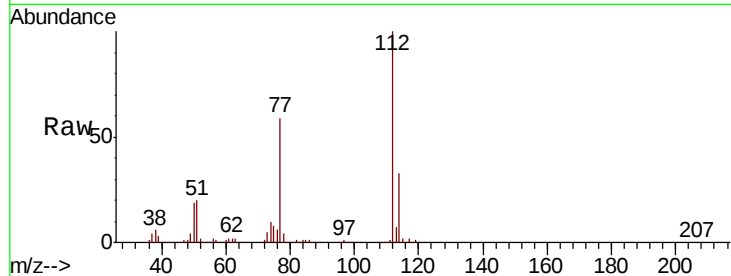
VSTDIC150

Tot Ion:112 Resp: 1784488

Ion Ratio Lower Upper

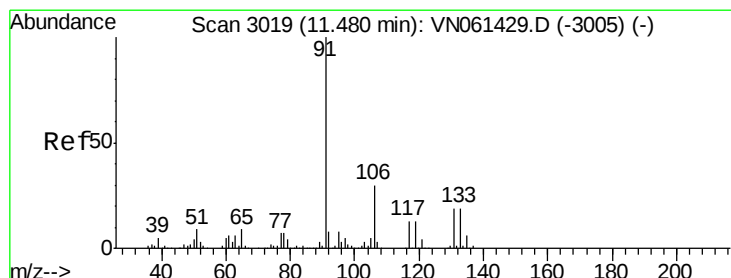
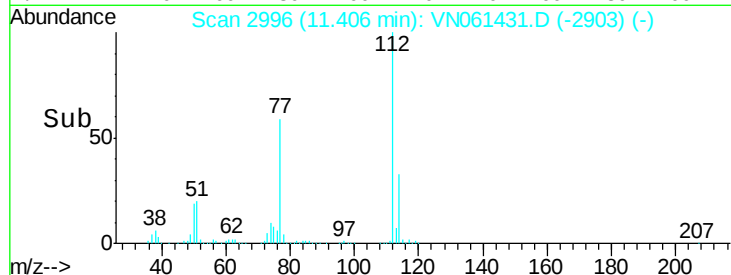
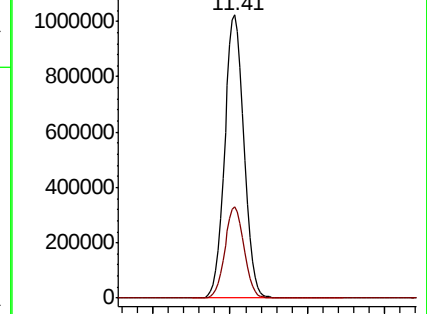
112 100

114 32.5 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 159.222 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

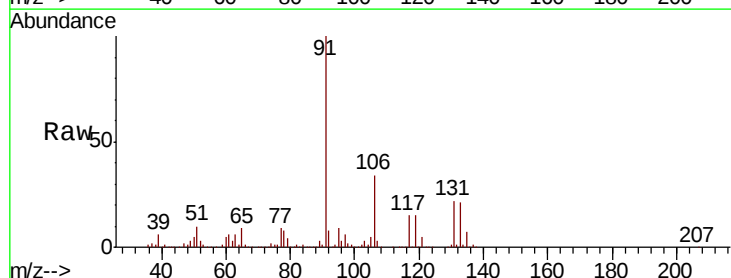
Tgt Ion:131 Resp: 673686

Ion Ratio Lower Upper

131 100

133 95.9 48.7 146.1

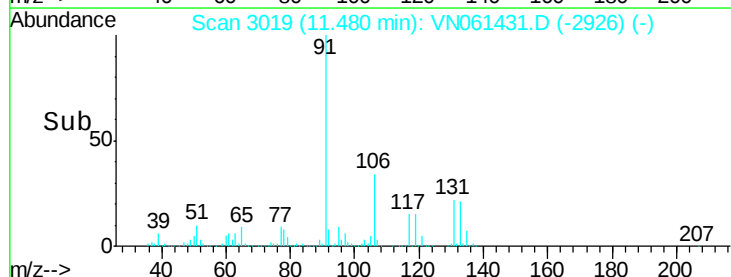
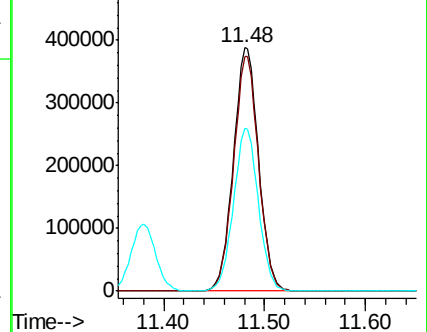
119 66.4 33.8 101.3

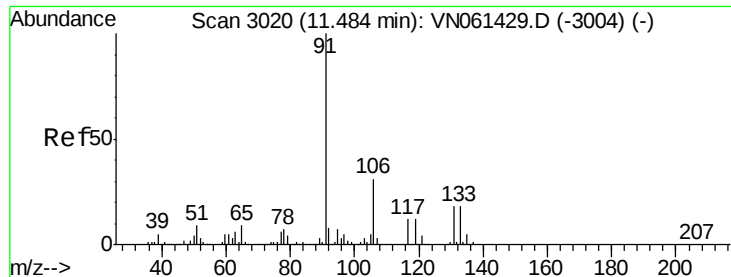


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

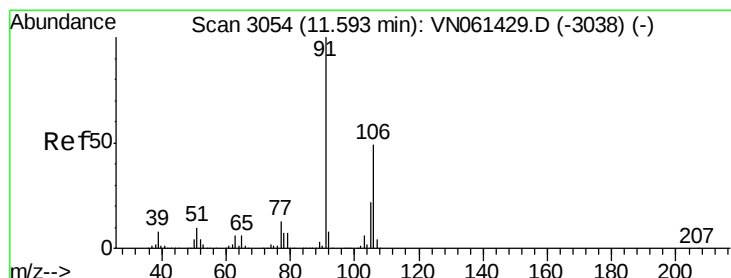
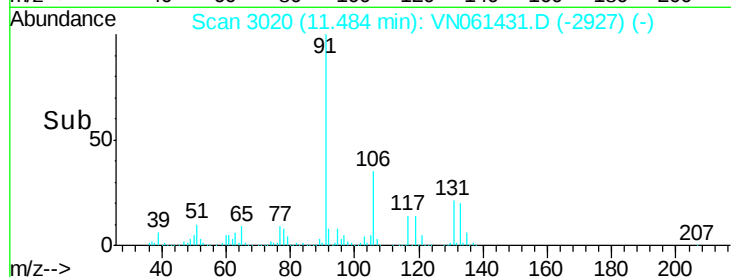
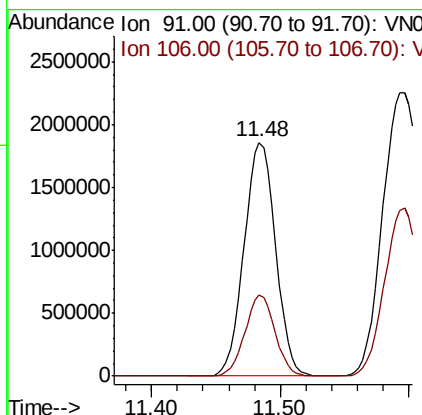
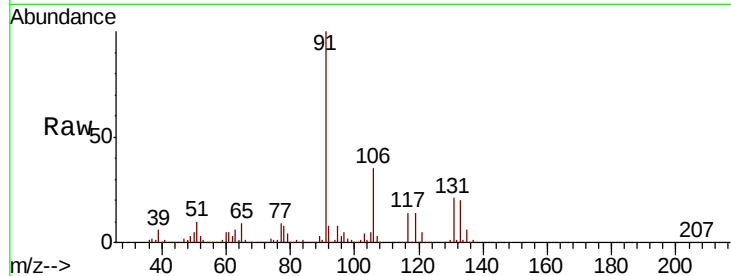




#67
Ethyl Benzene
Concen: 142.489 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

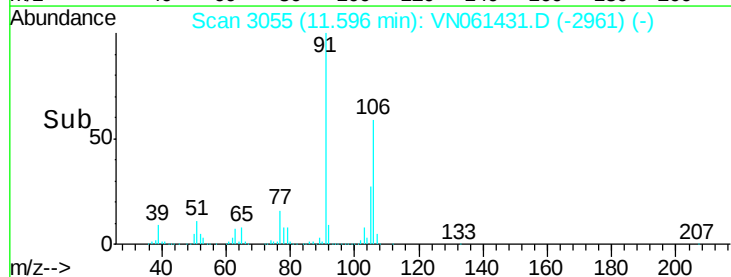
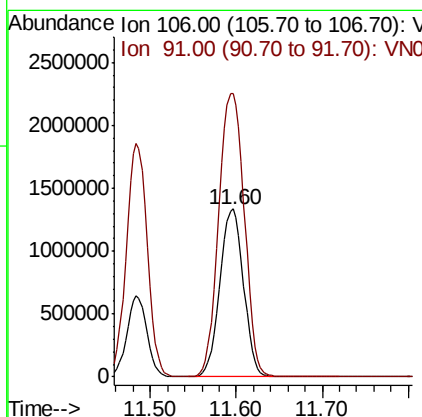
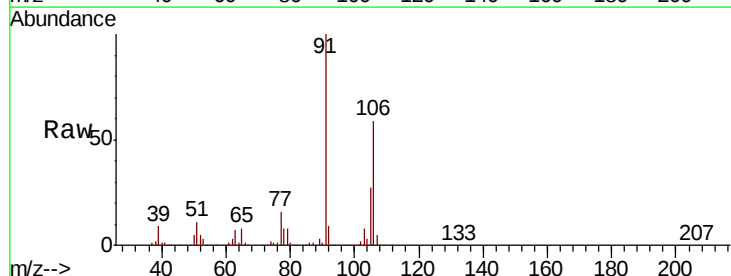
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

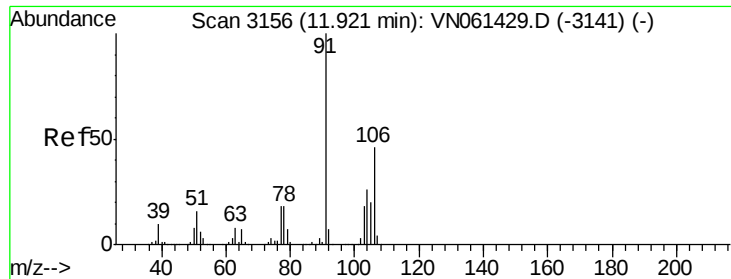
Tot Ion: 91 Resp: 3164076
Ion Ratio Lower Upper
91 100
106 34.6 24.6 36.8



#68
m/p-Xylenes
Concen: 306.961 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion: 106 Resp: 2560719
Ion Ratio Lower Upper
106 100
91 182.8 163.0 244.6

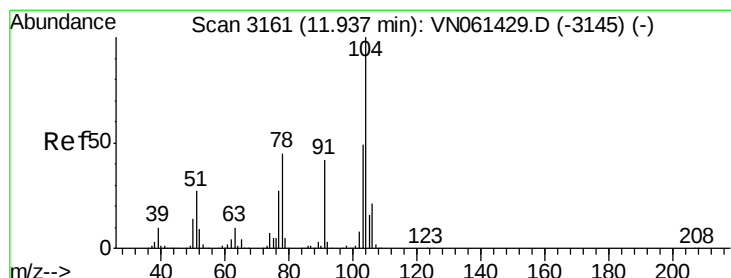
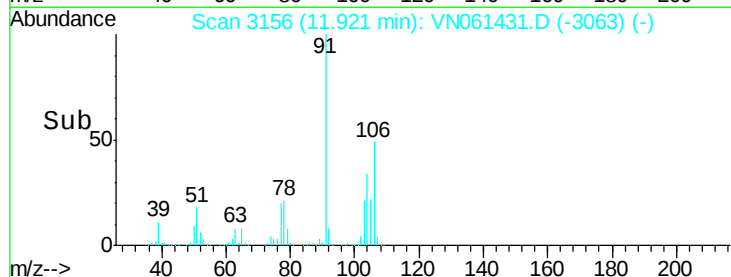
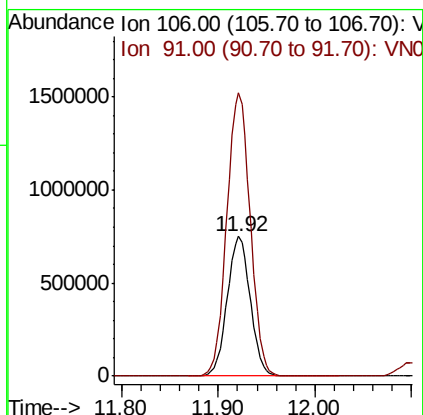
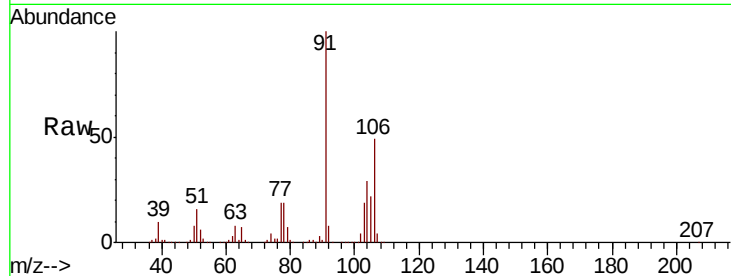




#69
o-Xylene
Concen: 152.929 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

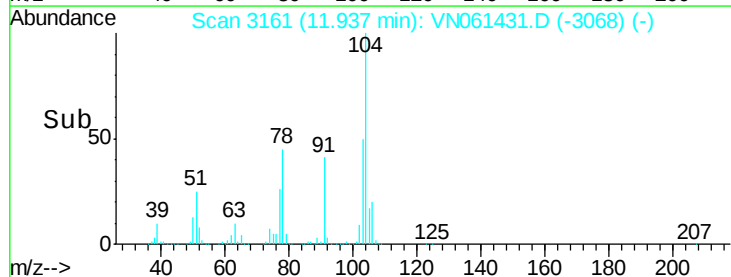
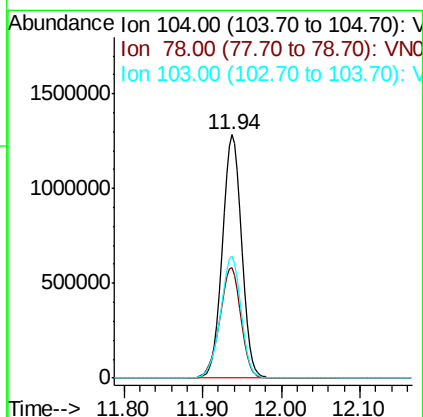
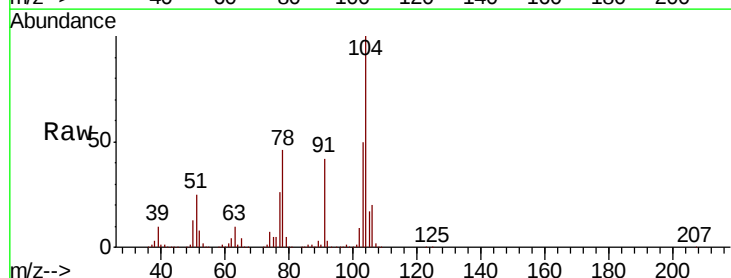
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

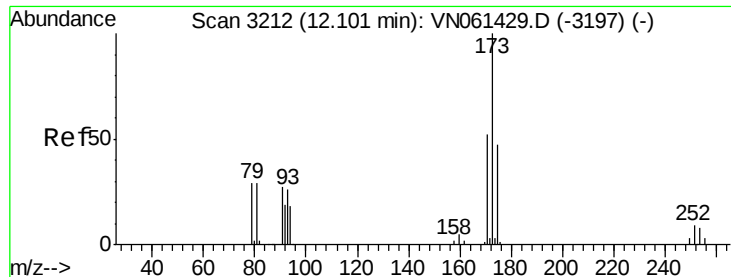
Tot Ion:106 Resp: 1237442
Ion Ratio Lower Upper
106 100
91 206.6 107.9 323.7



#70
Styrene
Concen: 159.233 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion:104 Resp: 2163230
Ion Ratio Lower Upper
104 100
78 49.7 40.7 61.1
103 53.5 43.0 64.4





#71

Bromoform

Concen: 172.020 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

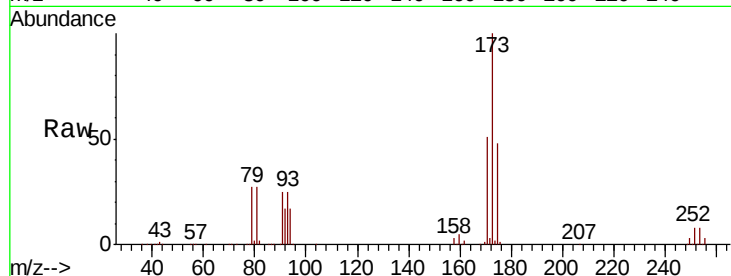
Tot Ion:173 Resp: 512616

Ion Ratio Lower Upper

173 100

175 48.2 23.9 71.8

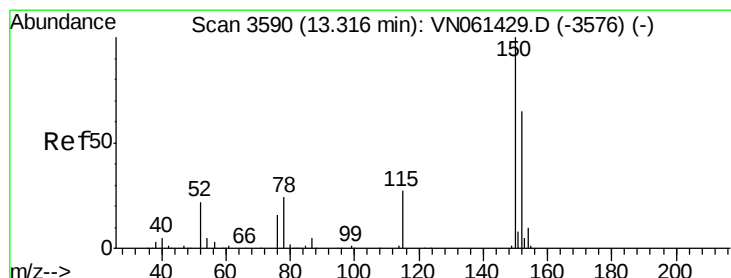
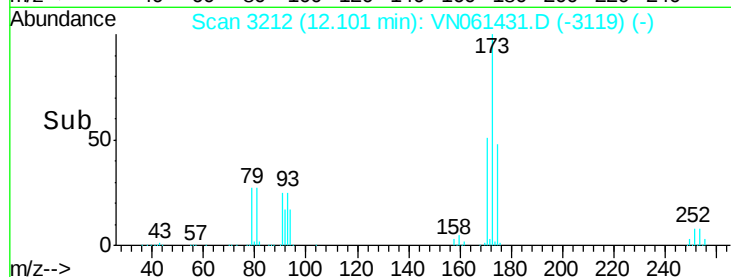
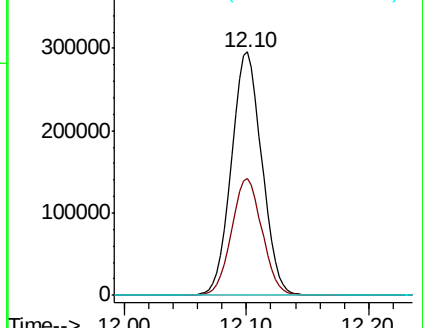
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

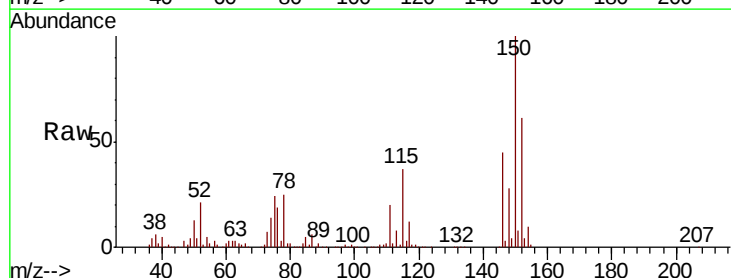
Tgt Ion:152 Resp: 286007

Ion Ratio Lower Upper

152 100

115 60.9 30.9 92.5

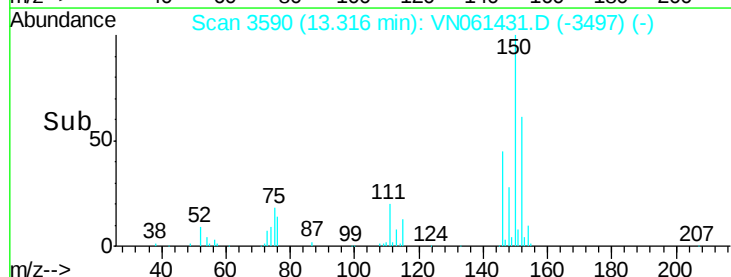
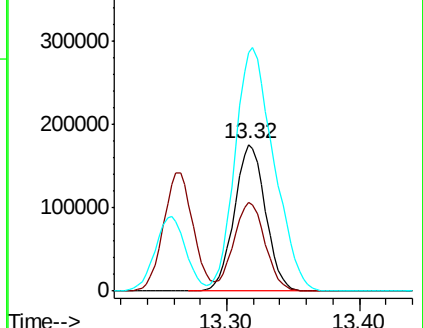
150 207.2 0.0 349.2

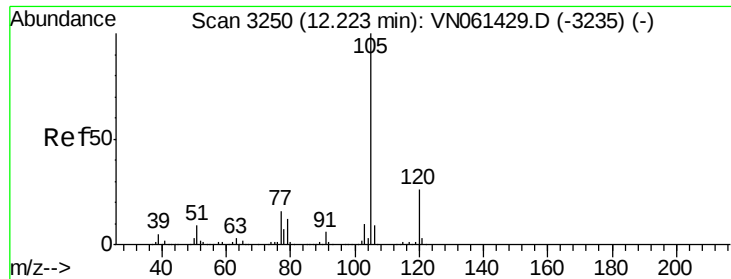


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 135.721 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

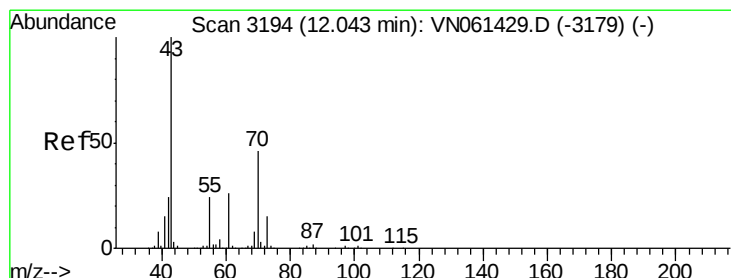
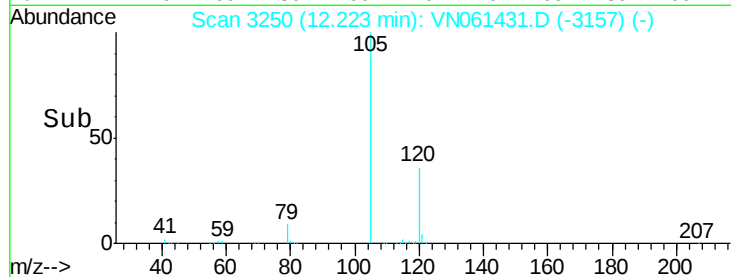
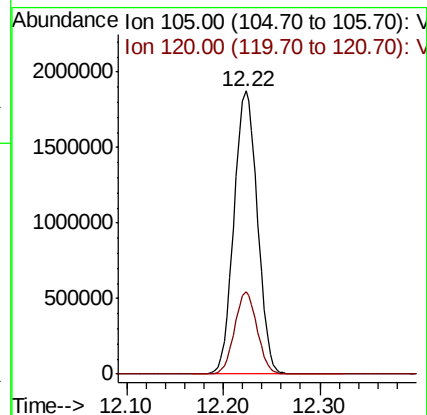
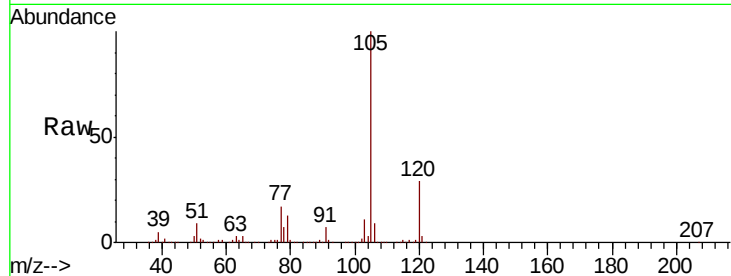
VSTDIC150

Tot Ion:105 Resp: 3159383

Ion Ratio Lower Upper

105 100

120 28.0 13.0 39.0



#74

N-ethyl acetate

Concen: 129.889 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Tgt Ion: 43 Resp: 1182602

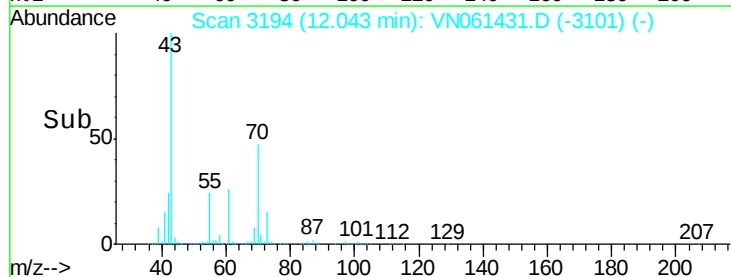
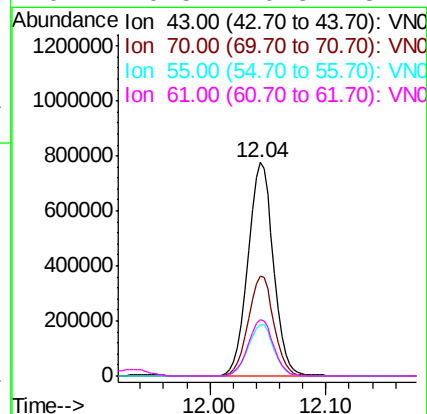
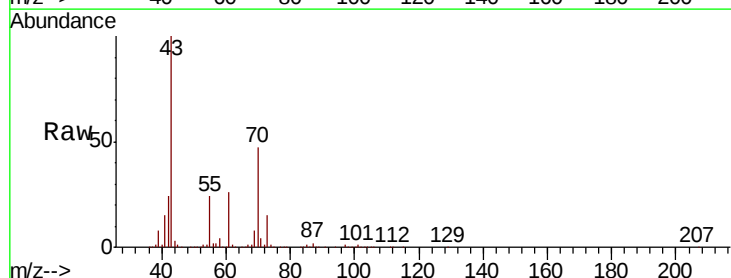
Ion Ratio Lower Upper

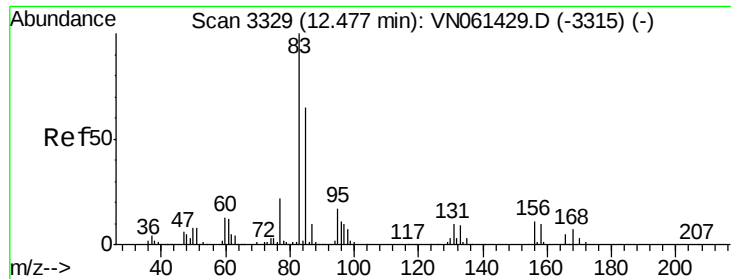
43 100

70 47.3 37.0 55.4

55 24.3 19.5 29.3

61 26.5 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 125.920 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

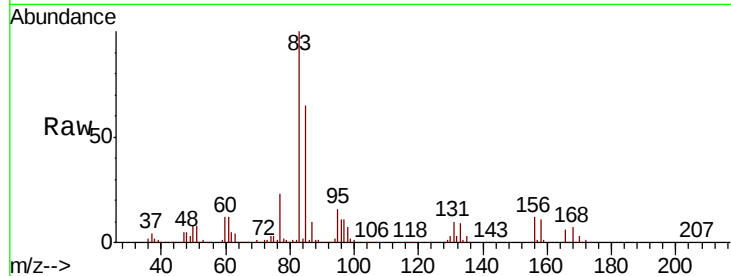
Tot Ion: 83 Resp: 835559

Ion Ratio Lower Upper

83 100

131 10.1 4.8 14.4

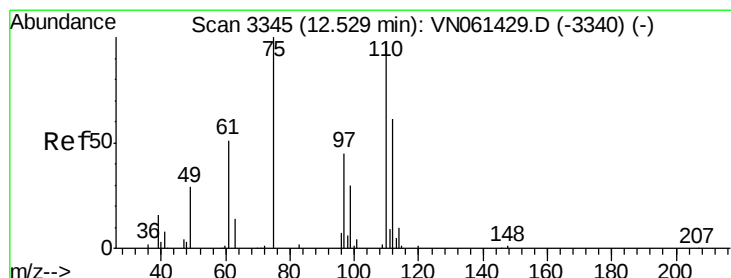
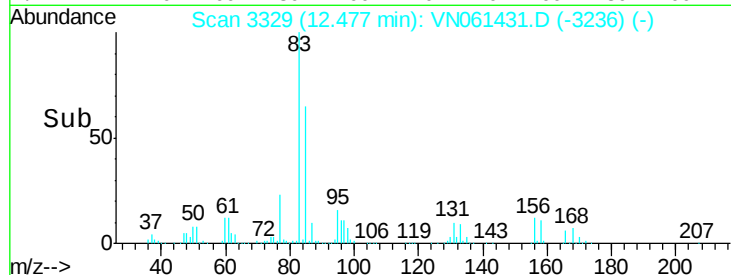
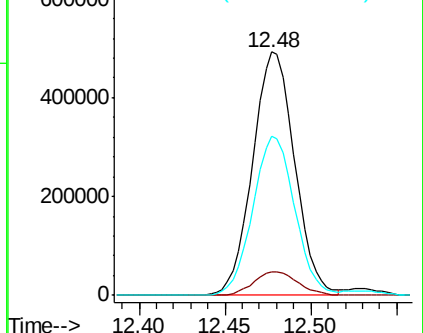
85 64.9 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 199.729 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061431.D

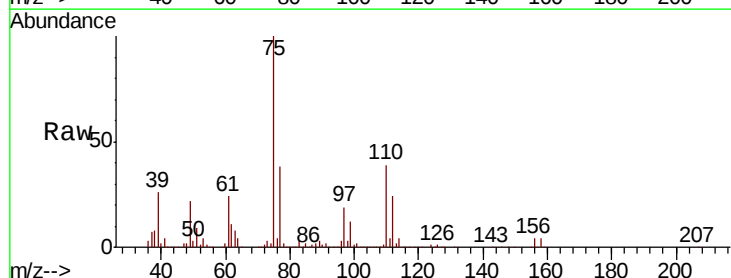
Acq: 18 May 2020 12:47

Tgt Ion: 75 Resp: 1193037

Ion Ratio Lower Upper

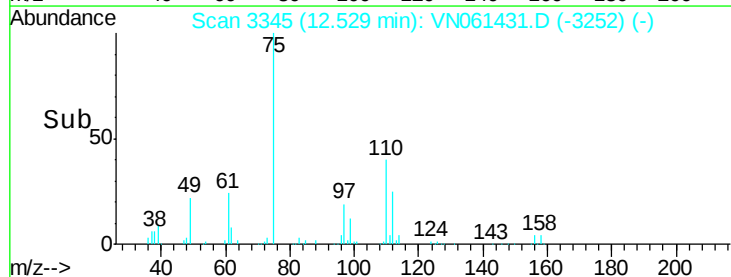
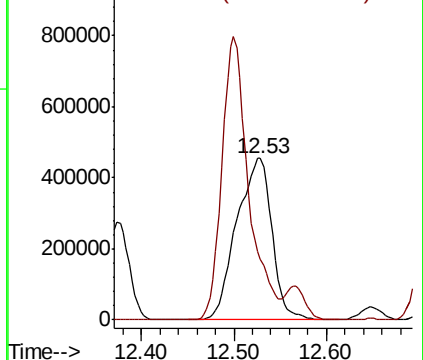
75 100

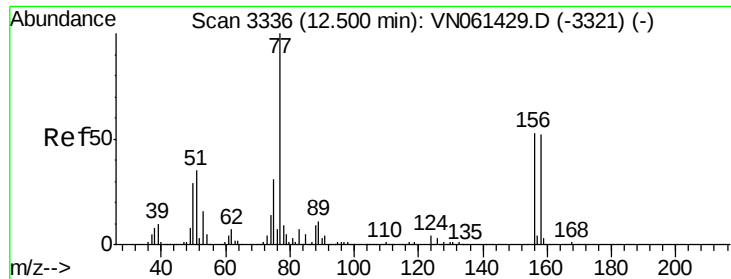
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 148.787 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

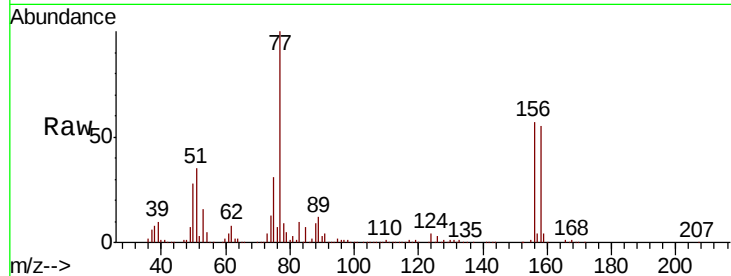
Tot Ion:156 Resp: 758069

Ion Ratio Lower Upper

156 100

77 211.3 112.3 336.9

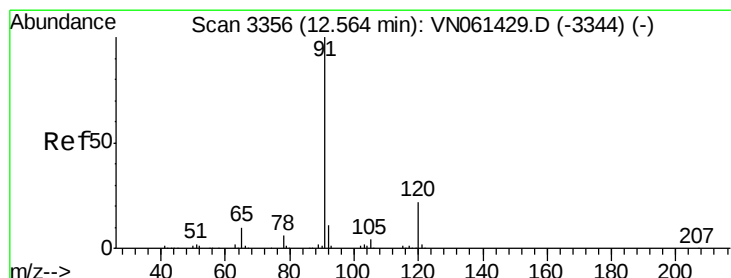
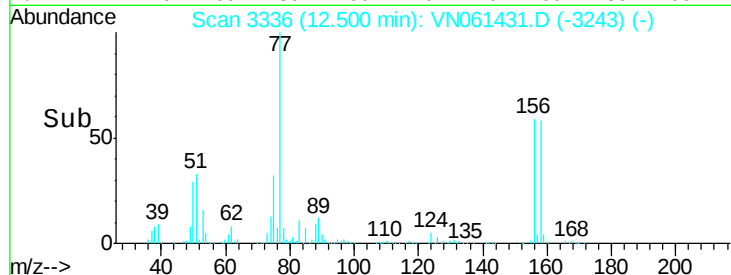
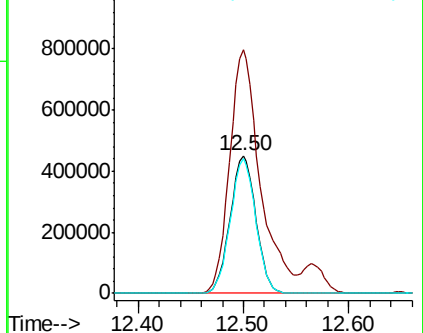
158 96.8 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 131.728 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061431.D

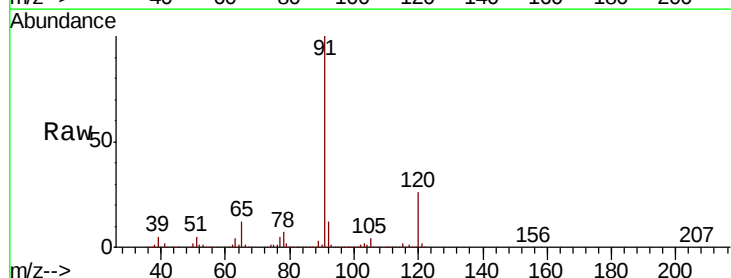
Acq: 18 May 2020 12:47

Tgt Ion: 91 Resp: 3574537

Ion Ratio Lower Upper

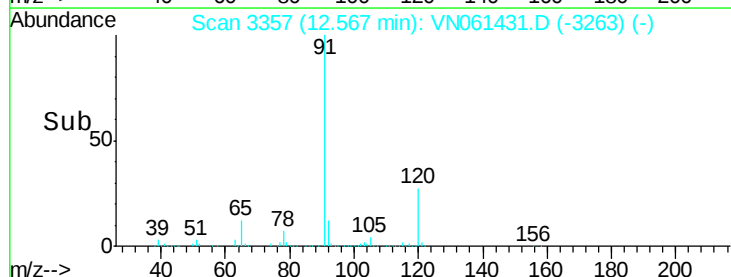
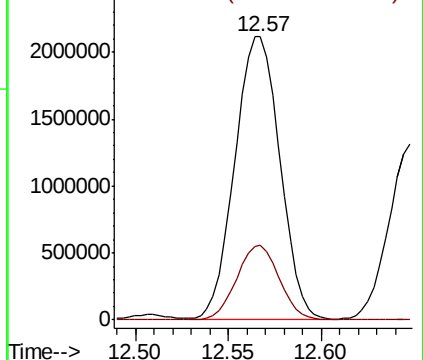
91 100

120 24.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 138.273 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

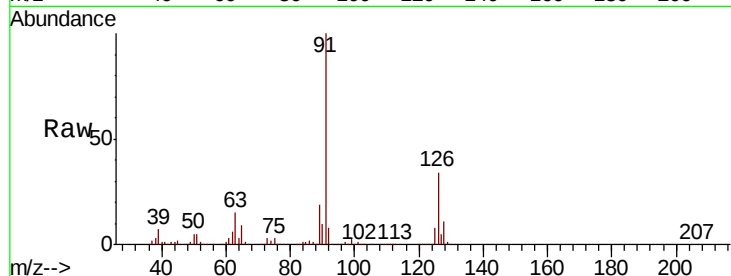
VSTDIC150

Tot Ion: 91 Resp: 2199752

Ion Ratio Lower Upper

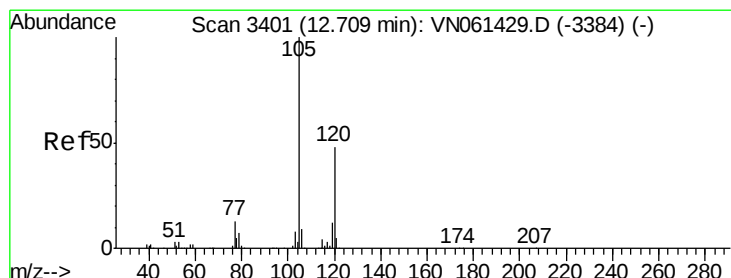
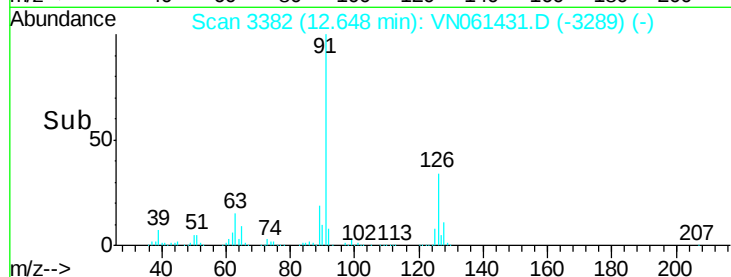
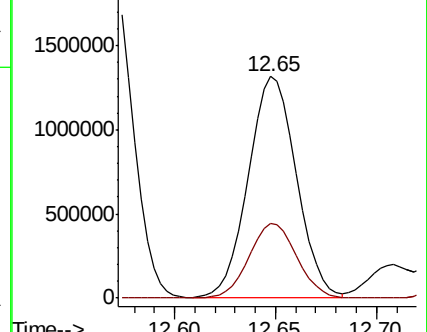
91 100

126 33.6 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061429.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 139.856 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061431.D

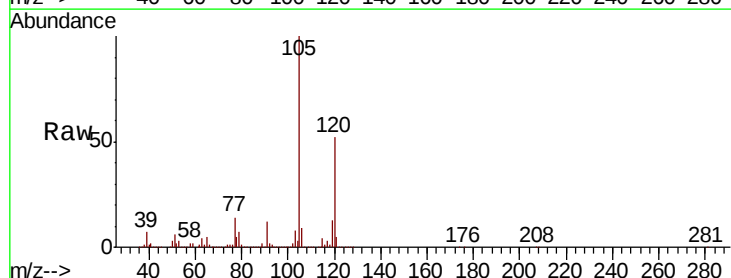
Acq: 18 May 2020 12:47

Tgt Ion: 105 Resp: 2724672

Ion Ratio Lower Upper

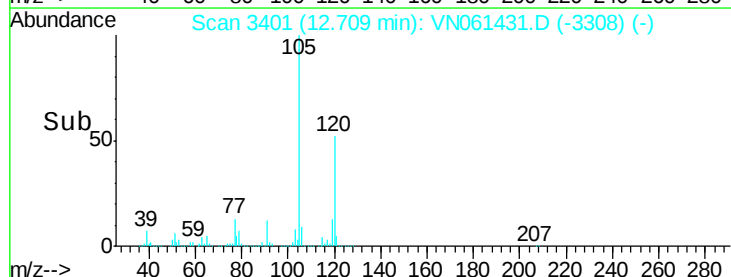
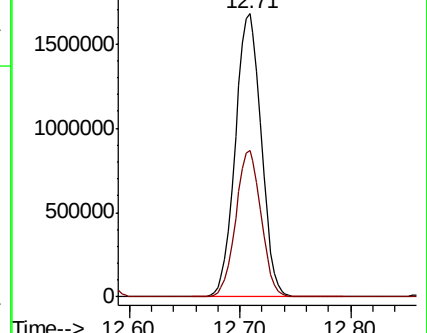
105 100

120 50.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061429.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN061429.D (-3384) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 148.845 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

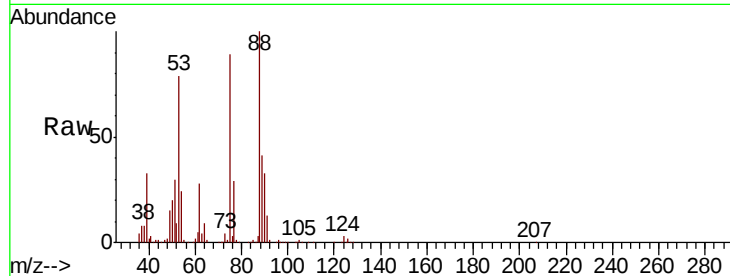
Tot Ion: 75 Resp: 339971

Ion Ratio Lower Upper

75 100

53 88.9 75.2 112.8

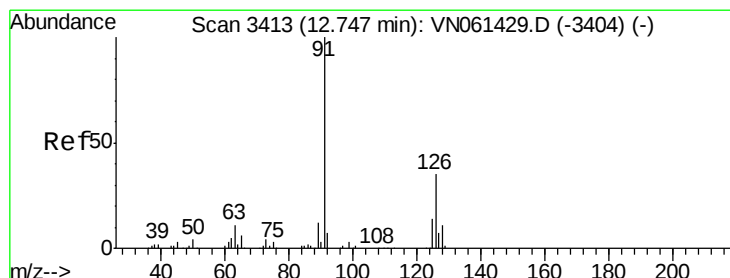
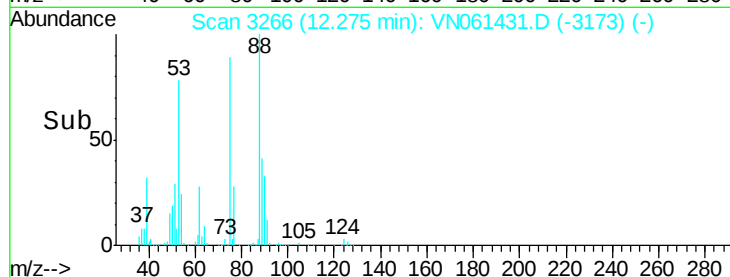
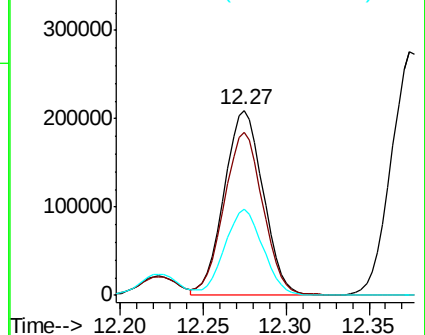
89 46.2 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VN061431.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061431.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061431.D (-3173) (-)



#82

4-Chlorotoluene

Concen: 139.887 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061431.D

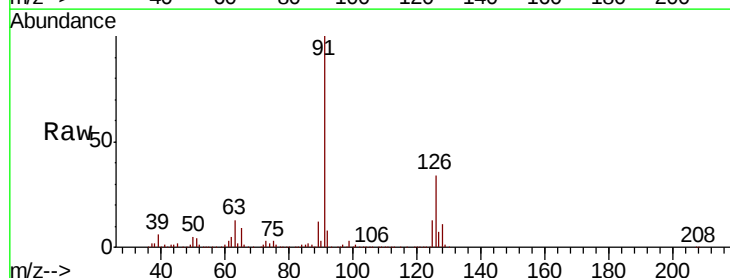
Acq: 18 May 2020 12:47

Tgt Ion: 91 Resp: 2338260

Ion Ratio Lower Upper

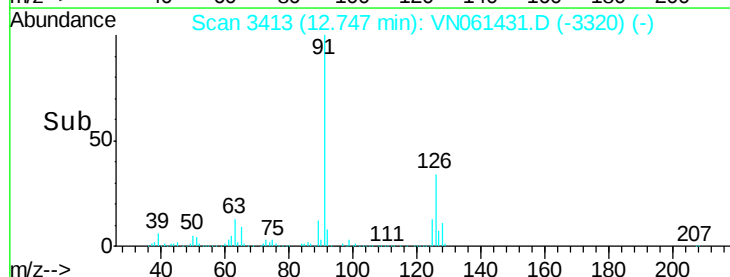
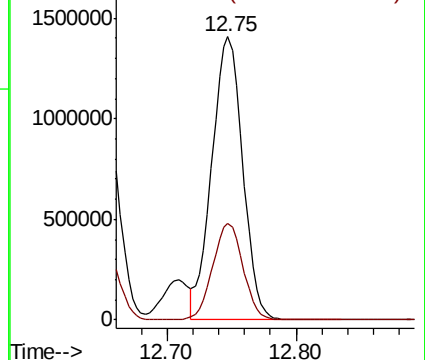
91 100

126 33.5 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN061431.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN061431.D (-3320) (-)

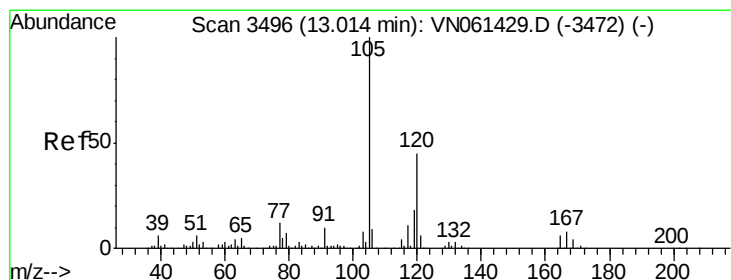
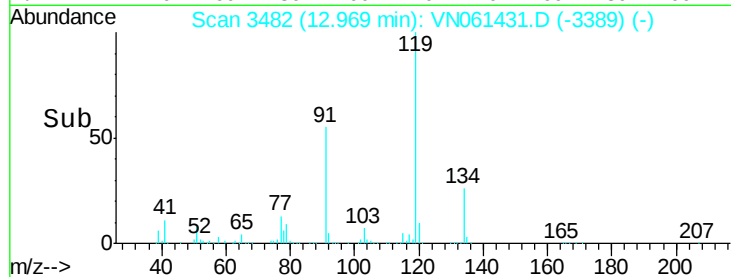
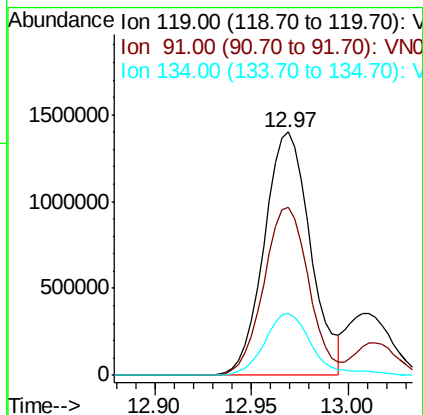
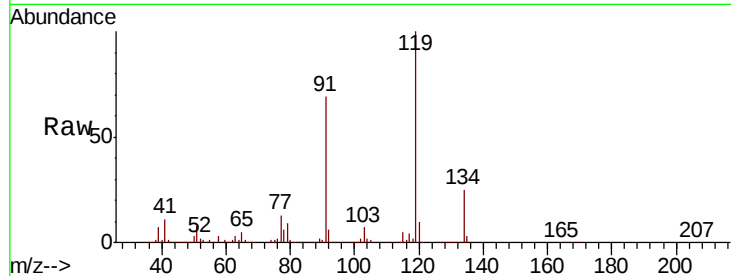




#83
tert-Butylbenzene
Concen: 140.175 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

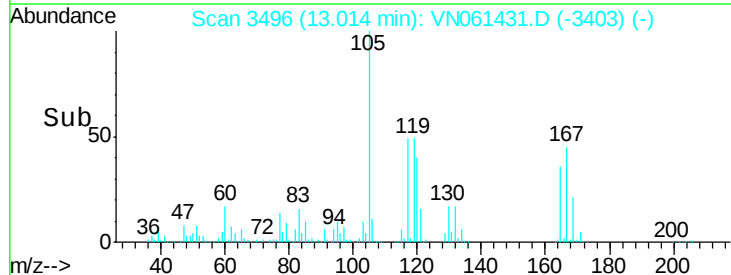
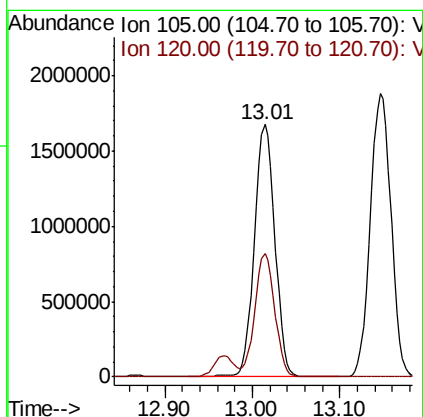
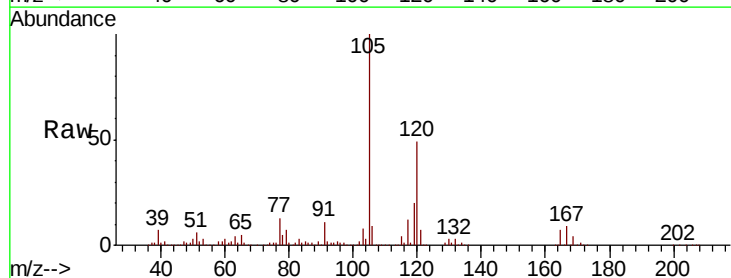
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

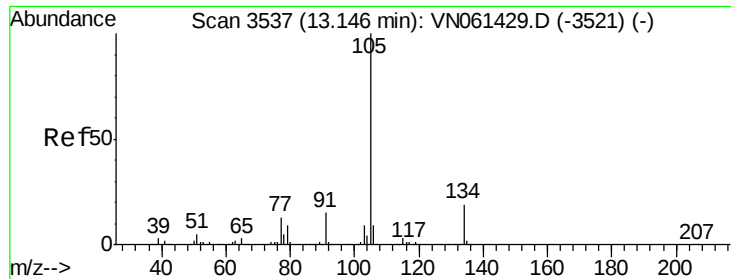
Tot Ion:119 Resp: 2329666
Ion Ratio Lower Upper
119 100
91 66.9 33.7 101.0
134 26.2 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 140.411 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061431.D
Acq: 18 May 2020 12:47

Tgt Ion:105 Resp: 2729687
Ion Ratio Lower Upper
105 100
120 47.3 22.4 67.3

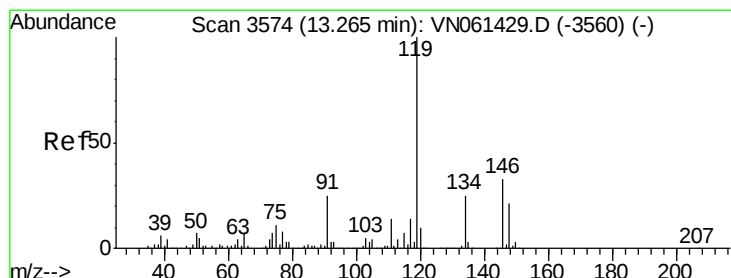
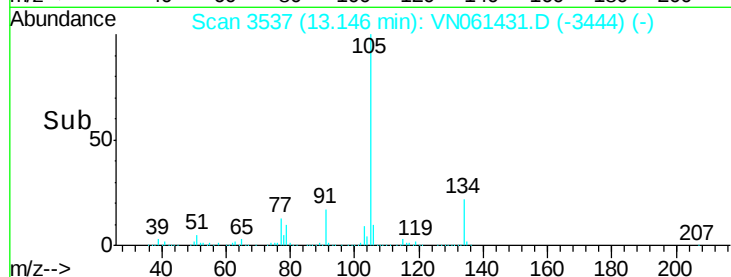
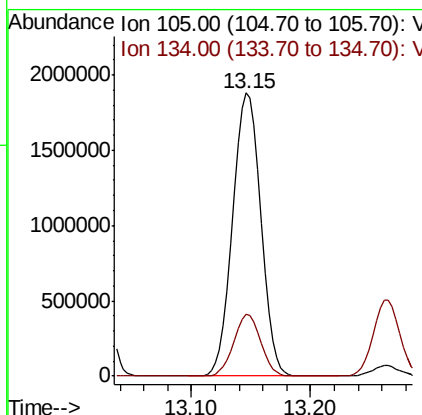
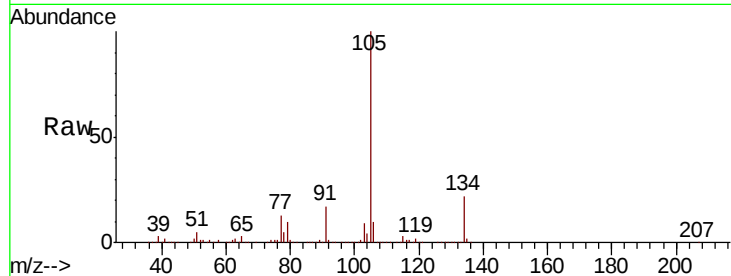




#85
 sec-Butylbenzene
 Concen: 137.787 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

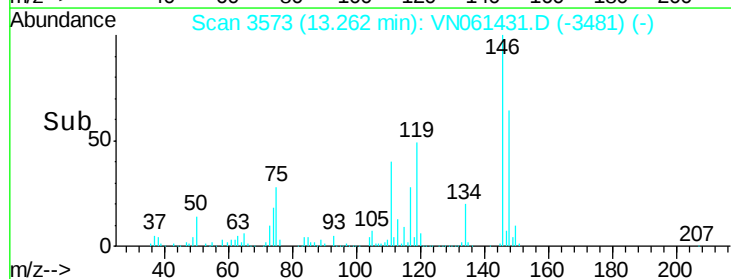
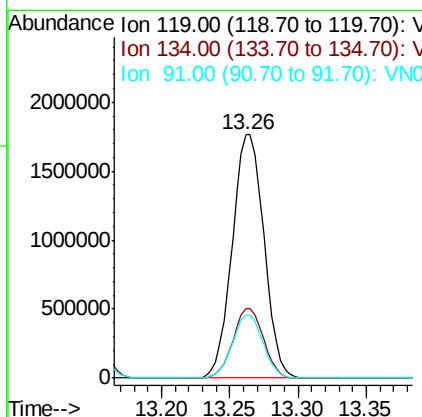
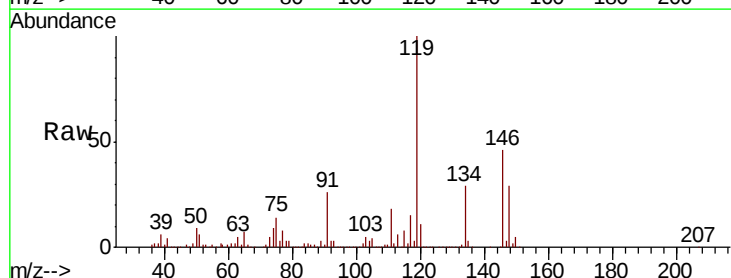
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

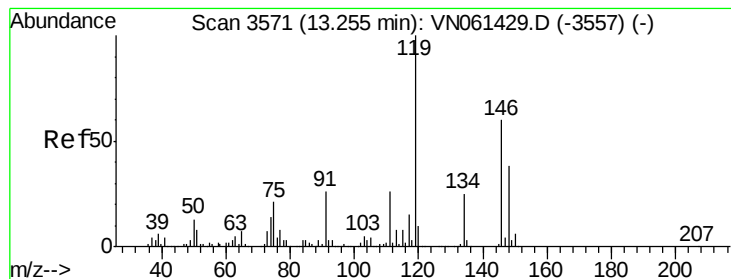
Tot Ion:105 Resp: 3090867
 Ion Ratio Lower Upper
 105 100
 134 20.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 145.867 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion:119 Resp: 2840466
 Ion Ratio Lower Upper
 119 100
 134 27.6 12.7 38.1
 91 25.3 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 154.242 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

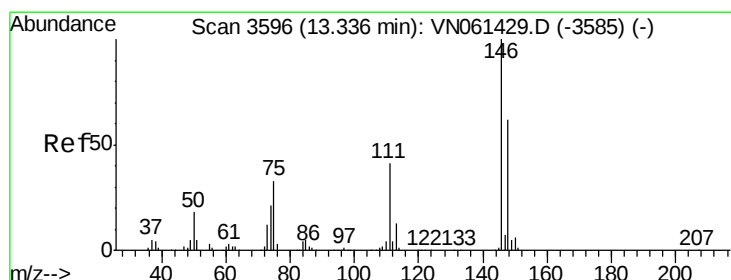
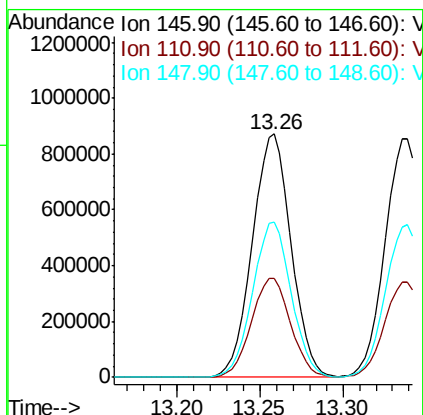
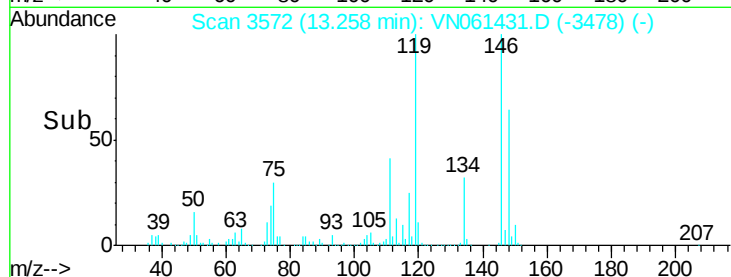
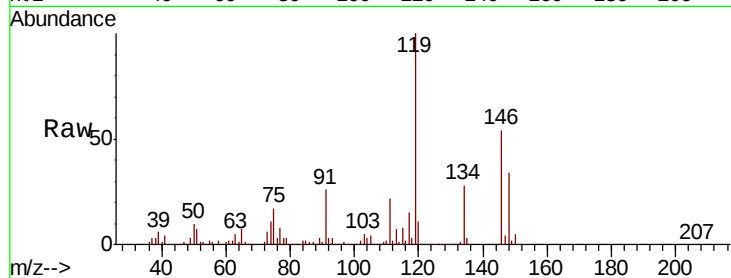
Tot Ion:146 Resp: 1425081

Ion Ratio Lower Upper

146 100

111 41.0 21.5 64.5

148 63.4 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 148.263 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

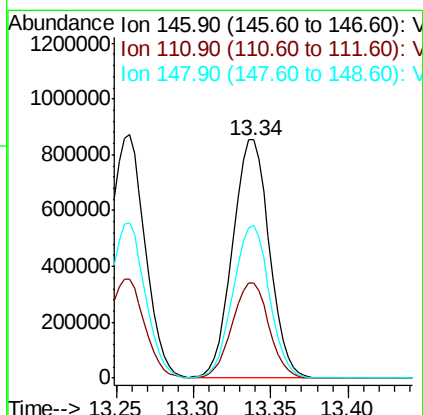
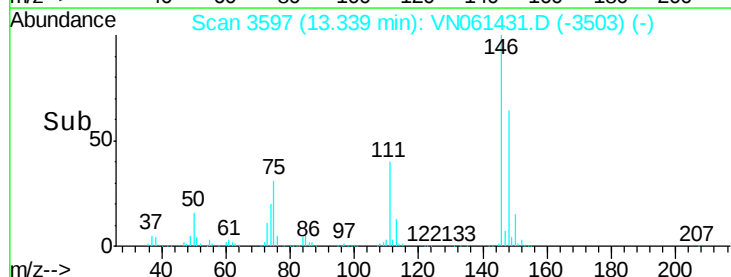
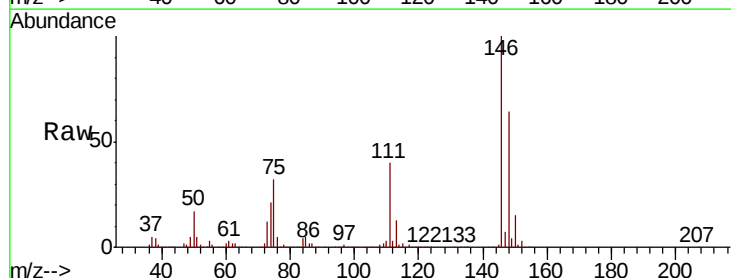
Tgt Ion:146 Resp: 1406753

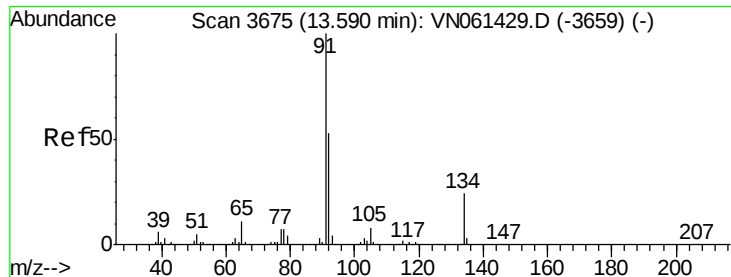
Ion Ratio Lower Upper

146 100

111 39.9 20.8 62.5

148 63.7 31.6 94.8





#89

n-Butylbenzene

Concen: 145.360 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

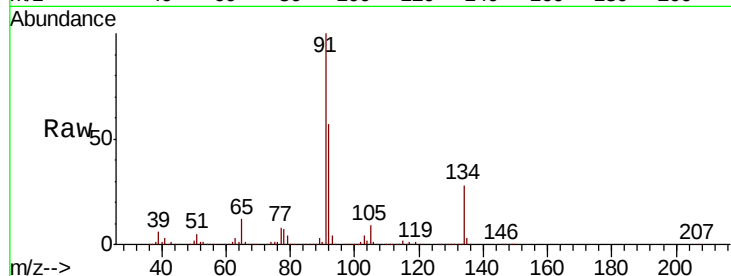
Tot Ion: 91 Resp: 2568478

Ion Ratio Lower Upper

91 100

92 55.5 26.8 80.3

134 26.6 12.4 37.4

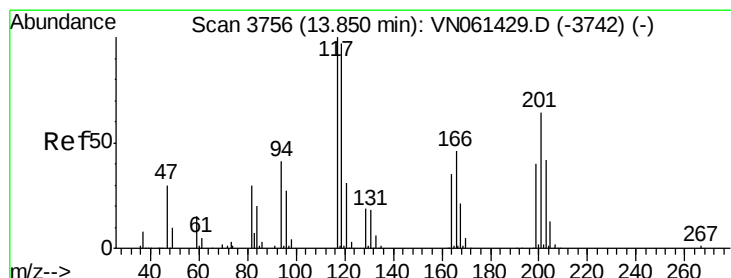
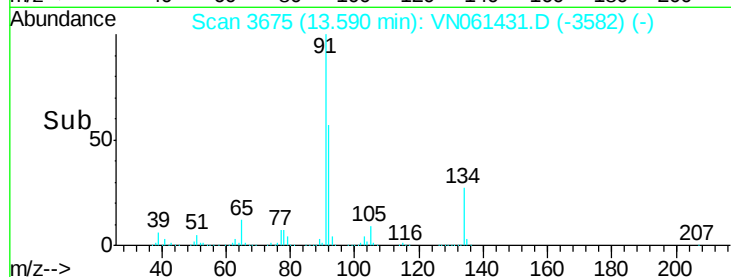


Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3659) (-)

Ion 92.00 (91.70 to 92.70): VN061429.D (-3659) (-)

Ion 134.00 (133.70 to 134.70): VN061429.D (-3659) (-)

Time-->



#90

Hexachloroethane

Concen: 153.392 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061431.D

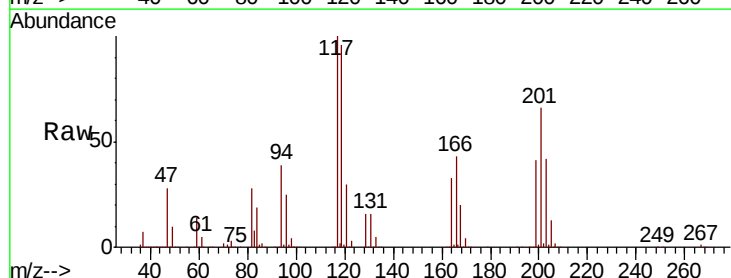
Acq: 18 May 2020 12:47

Tgt Ion: 117 Resp: 411550

Ion Ratio Lower Upper

117 100

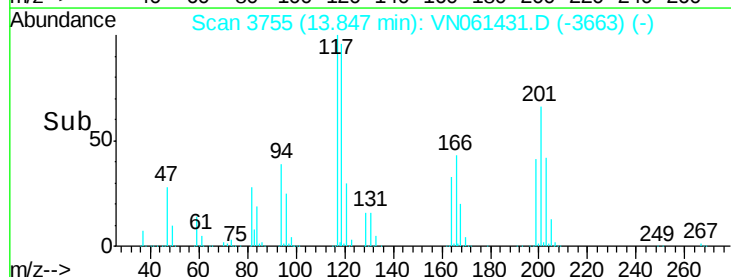
201 66.8 32.9 98.7

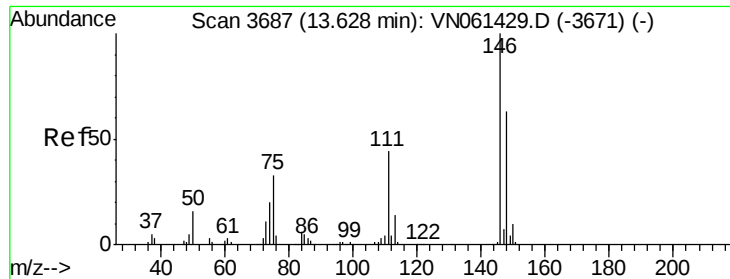


Abundance Ion 116.80 (116.50 to 117.50): VN061429.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061429.D (-3742) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 149.573 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

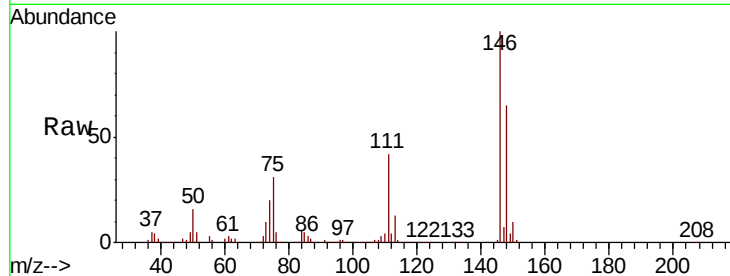
Tot Ion:146 Resp: 1321099

Ion Ratio Lower Upper

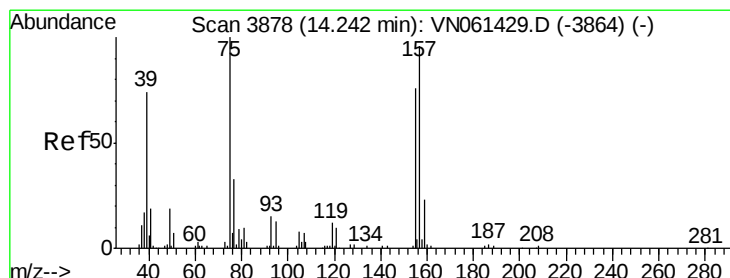
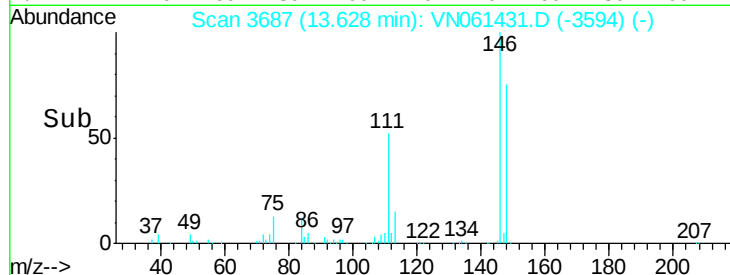
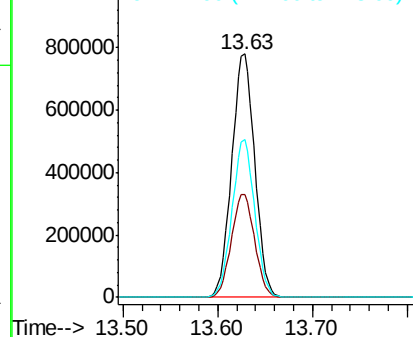
146 100

111 42.7 21.9 65.7

148 63.9 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 137.125 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

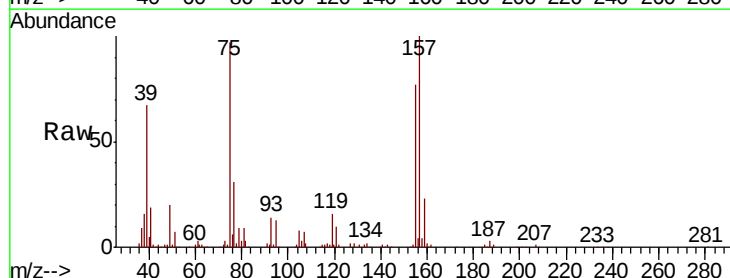
Tgt Ion: 75 Resp: 174943

Ion Ratio Lower Upper

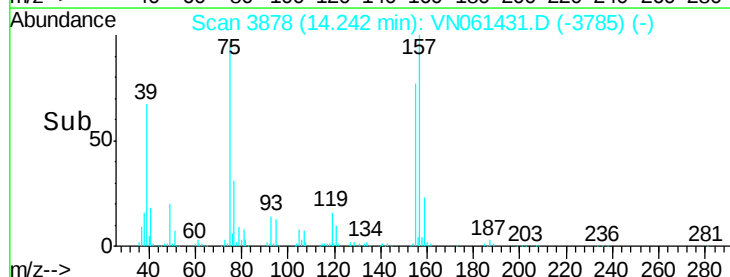
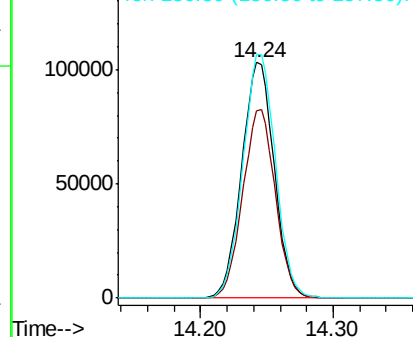
75 100

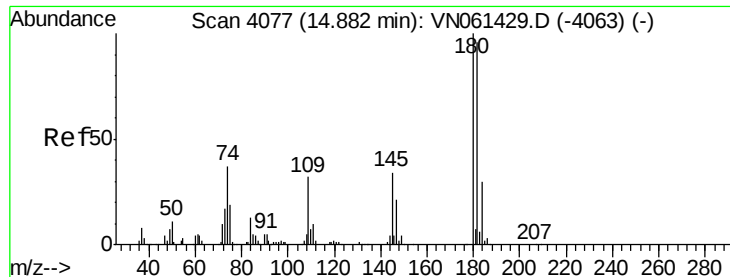
155 80.5 38.9 116.7

157 103.9 48.6 145.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

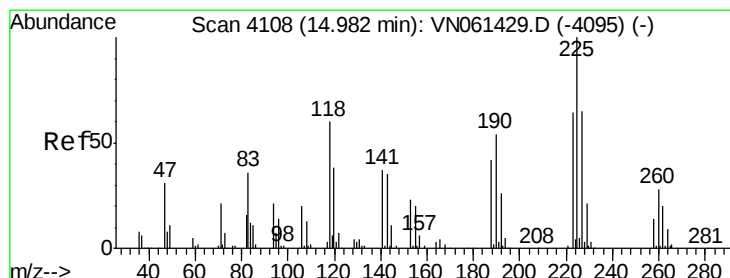
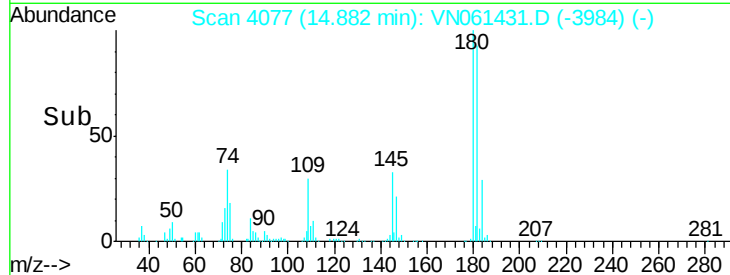
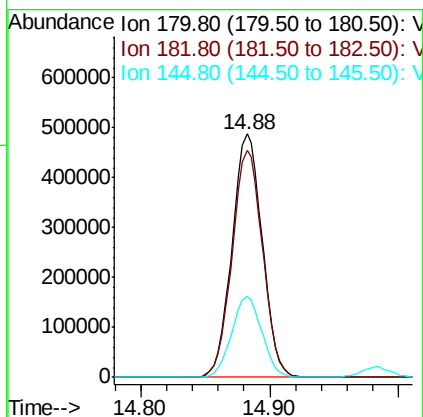
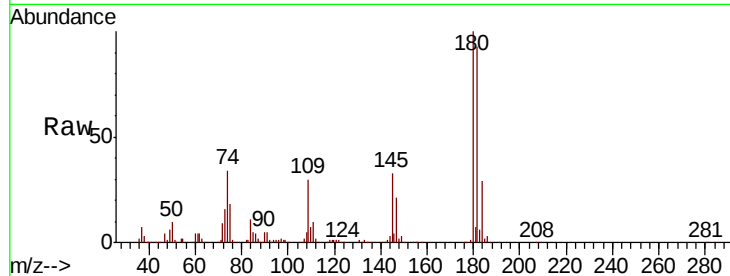




#93
 1,2,4-Trichlorobenzene
 Concen: 163.544 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

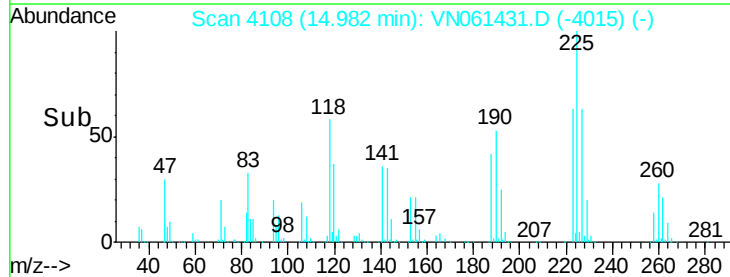
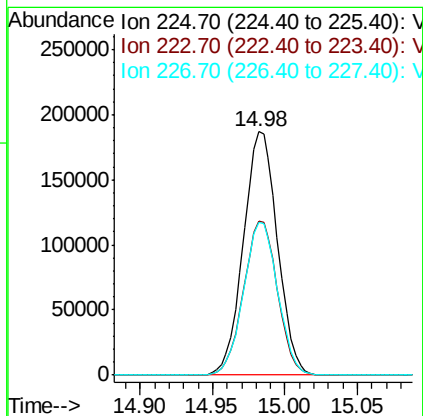
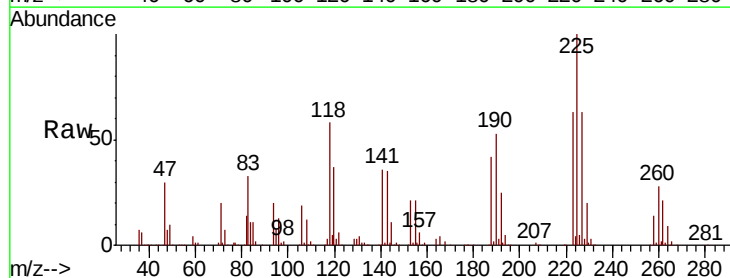
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

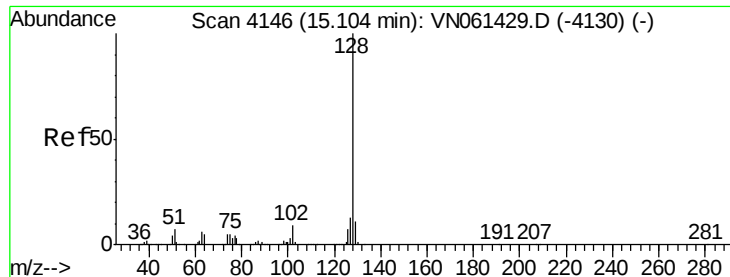
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.0	141.0
145	33.3	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 163.556 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061431.D
 Acq: 18 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	63.1	31.5	94.5





#95

Naphthalene

Concen: 156.841 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

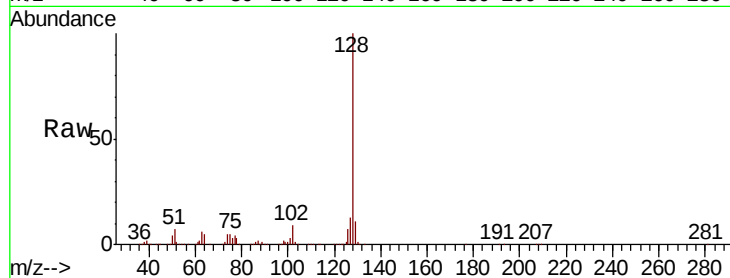
Tot Ion:128 Resp: 2459949

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

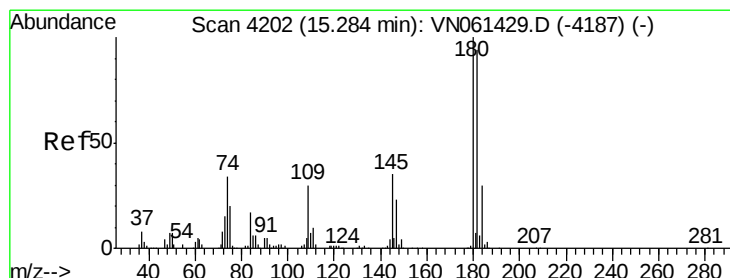
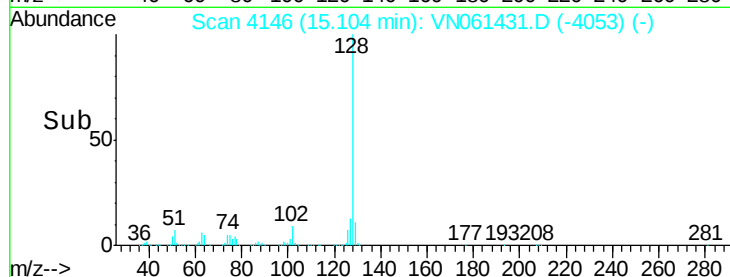
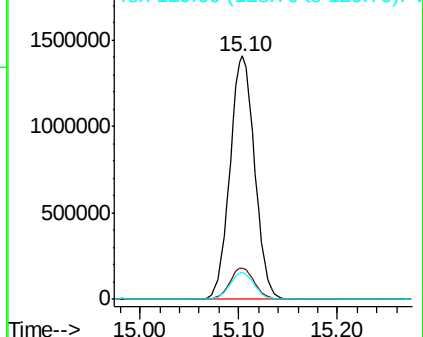
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 157.565 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061431.D

Acq: 18 May 2020 12:47

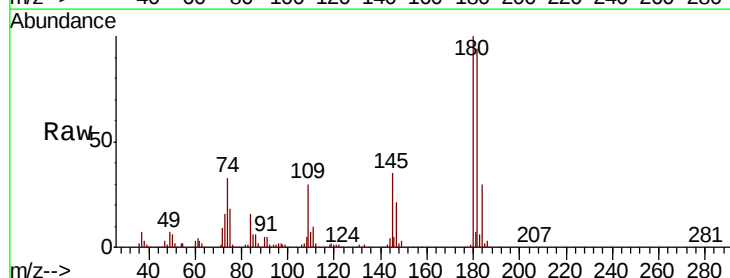
Tgt Ion:180 Resp: 762650

Ion Ratio Lower Upper

180 100

182 94.0 47.8 143.3

145 35.0 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

