

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051620\
 Data File : VN061420.D
 Acq On : 15 May 2020 21:22
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: May 16 02:51:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051620W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 02:35:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	156827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	295367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	279110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	124487	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	46722	18.89	ug/l	0.00
Spiked Amount			Recovery	=	37.78%	
35) Dibromofluoromethane	7.55	113	30148	17.76	ug/l	0.00
Spiked Amount			Recovery	=	35.52%	
50) Toluene-d8	10.06	98	134128	18.70	ug/l	0.00
Spiked Amount			Recovery	=	37.40%	
62) 4-Bromofluorobenzene	12.38	95	48260	17.87	ug/l	0.00
Spiked Amount			Recovery	=	35.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	23636	15.047	ug/l	100
3) Chloromethane	2.03	50	49773	24.127	ug/l	100
4) Vinyl Chloride	2.16	62	79533	31.639	ug/l	99
5) Bromomethane	2.54	94	42906	32.603	ug/l	94
6) Chloroethane	2.67	64	53228	32.741	ug/l	97
7) Trichlorofluoromethane	2.98	101	83891	29.726	ug/l	99
8) Diethyl Ether	3.37	74	19402	18.449	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	28690	17.744	ug/l	97
10) Methyl Iodide	3.91	142	34711	16.858	ug/l #	95
11) Tert butyl alcohol	4.74	59	13899	47.189	ug/l	100
12) 1,1-Dichloroethene	3.70	96	29502	18.112	ug/l	98
13) Acrolein	3.57	56	18650	86.027	ug/l	98
14) Allyl chloride	4.28	41	49984	16.985	ug/l	96
15) Acrylonitrile	4.93	53	74306	76.624	ug/l	99
16) Acetone	3.78	43	45291	38.720	ug/l	98
17) Carbon Disulfide	4.01	76	82066	18.675	ug/l	100
18) Methyl Acetate	4.28	43	30700	9.711	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	117626	18.787	ug/l	98
20) Methylene Chloride	4.51	84	36181	18.932	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	35894	20.027	ug/l	99
22) Diisopropyl ether	5.90	45	121768	17.559	ug/l	95
23) Vinyl Acetate	5.85	43	495533	88.868	ug/l	100
24) 1,1-Dichloroethane	5.80	63	69416	18.874	ug/l	99
25) 2-Butanone	6.79	43	92802	67.717	ug/l	98
26) 2,2-Dichloropropane	6.78	77	56213	18.080	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	43067	20.294	ug/l	98
28) Bromochloromethane	7.15	49	33498	18.959	ug/l	100
29) Tetrahydrofuran	7.17	42	62058	66.907	ug/l	98
30) Chloroform	7.33	83	71829	19.166	ug/l	98
31) Cyclohexane	7.61	56	67888	19.006	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	63672	19.395	ug/l	98
36) 1,1-Dichloropropene	7.75	75	54515	18.628	ug/l	99
37) Ethyl Acetate	6.88	43	42480	12.964	ug/l	95
38) Carbon Tetrachloride	7.74	117	47767	20.194	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	65192	19.549	ug/l	96
40) Benzene	8.00	78	162948	18.595	ug/l	99
41) Methacrylonitrile	7.12	41	26027	18.404	ug/l	95
42) 1,2-Dichloroethane	8.09	62	60419	18.363	ug/l	98
43) Isopropyl Acetate	8.13	43	90586	16.324	ug/l	99
44) Trichloroethene	8.80	130	43143	18.304	ug/l	97
45) 1,2-Dichloropropane	9.08	63	42254	18.175	ug/l	98
46) Dibromomethane	9.17	93	28436	19.570	ug/l	98
47) Bromodichloromethane	9.37	83	59857	19.209	ug/l	97
48) Methyl methacrylate	9.17	41	39520	15.825	ug/l	99
49) 1,4-Dioxane	9.17	88	4308	160.809	ug/l #	89
51) 4-Methyl-2-Pentanone	9.95	43	243958	75.786	ug/l	98
52) Toluene	10.12	92	101857	19.134	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	64792	18.451	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	68498	18.469	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	39079	18.527	ug/l	95
56) Ethyl methacrylate	10.40	69	63023	19.812	ug/l	95
57) 1,3-Dichloropropane	10.68	76	68723	18.641	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	136249	81.732	ug/l	100
59) 2-Hexanone	10.72	43	162494	70.025	ug/l	99
60) Dibromochloromethane	10.88	129	42121	18.946	ug/l	99
61) 1,2-Dibromoethane	10.98	107	40990	19.367	ug/l	99
64) Tetrachloroethene	10.60	164	40320	16.990	ug/l	98
65) Chlorobenzene	11.41	112	106351	19.178	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	38503	19.348	ug/l	99
67) Ethyl Benzene	11.49	91	202840	19.531	ug/l	100
68) m/p-Xylenes	11.60	106	150687	39.521	ug/l	99
69) o-Xylene	11.92	106	72421	19.773	ug/l	100
70) Styrene	11.94	104	120754	19.621	ug/l	99
71) Bromoform	12.10	173	26465	18.345	ug/l #	99
73) Isopropylbenzene	12.22	105	193262	20.992	ug/l	100
74) N-amyl acetate	12.05	43	77343	17.253	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	54436	19.344	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	54463m	21.019	ug/l	
77) Bromobenzene	12.50	156	41718	19.839	ug/l	99
78) n-propylbenzene	12.57	91	224646	20.640	ug/l	99
79) 2-Chlorotoluene	12.65	91	131433	20.527	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	160726	21.032	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	18363	18.082	ug/l	99
82) 4-Chlorotoluene	12.75	91	135380	20.071	ug/l	98
83) tert-Butylbenzene	12.97	119	132773	20.723	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	161952	20.633	ug/l	99
85) sec-Butylbenzene	13.15	105	186947	21.346	ug/l	98
86) p-Isopropyltoluene	13.26	119	161051	20.417	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	75326	19.416	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	76850	19.351	ug/l	97
89) n-Butylbenzene	13.59	91	145473	20.149	ug/l	99
90) Hexachloroethane	13.85	117	21846	28.132	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	75002	20.146	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.25	75	10452	17.787	ug/l	97

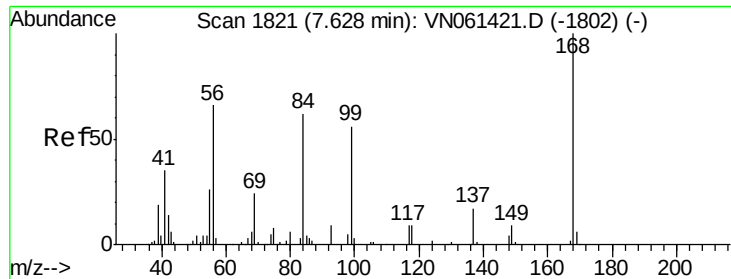
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051620\
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Quant Title : SW846 8260
QLast Update : Sat May 16 02:35:10 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	40746	18.273	ug/l	99
94) Hexachlorobutadiene	14.99	225	15712	17.031	ug/l	98
95) Naphthalene	15.11	128	132536	18.289	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	40269	18.308	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: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampleId :

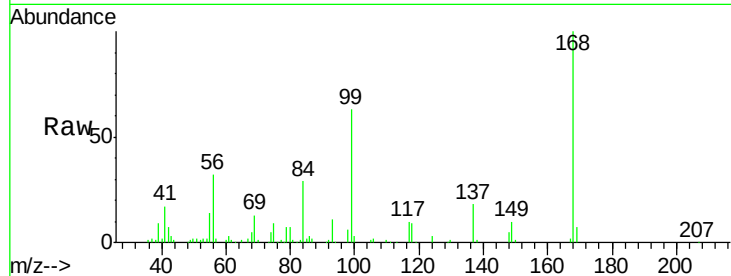
VSTDIC020

Tot Ion:168 Resp: 156827

Ion Ratio Lower Upper

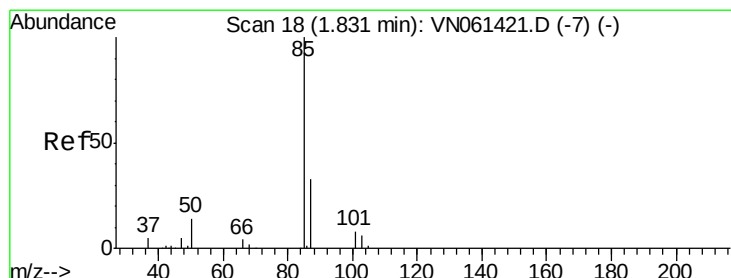
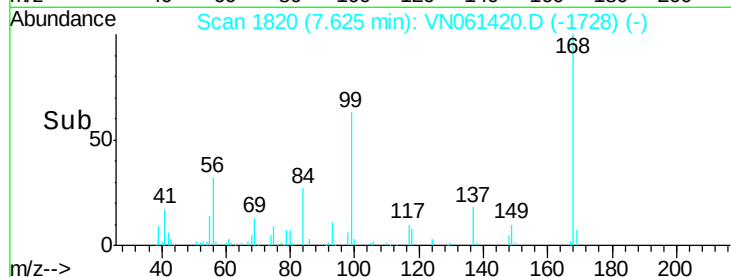
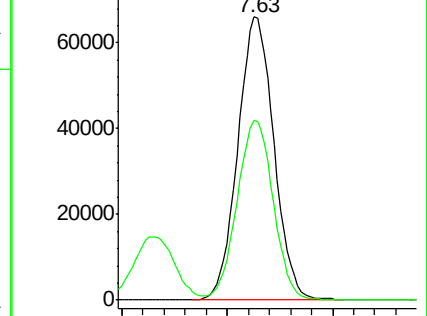
168 100

99 63.3 49.9 74.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 15.047 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061420.D

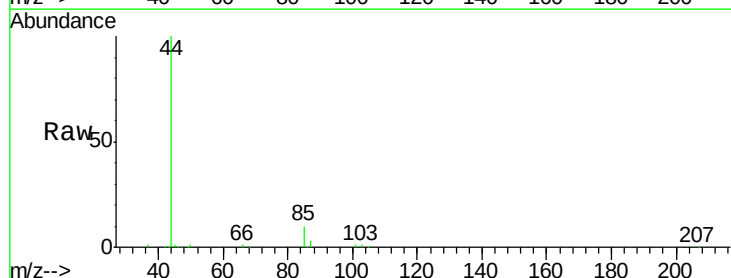
Acq: 15 May 2020 21:22

Tgt Ion: 85 Resp: 23636

Ion Ratio Lower Upper

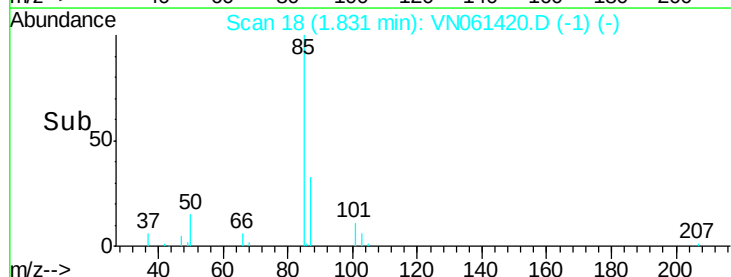
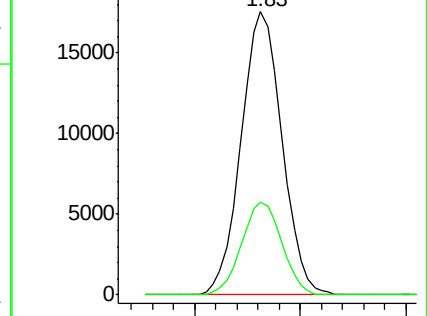
85 100

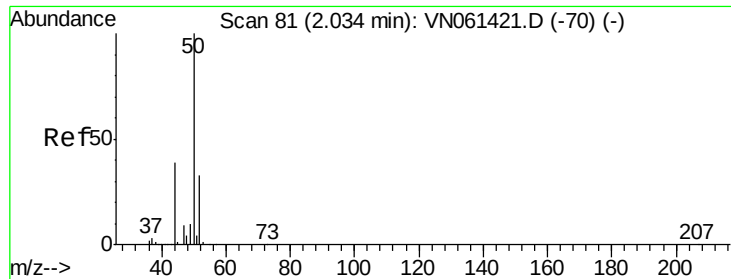
87 32.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

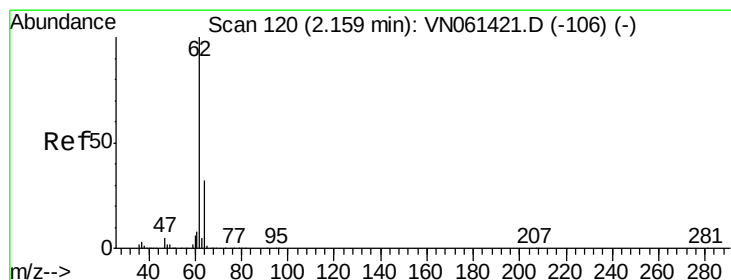
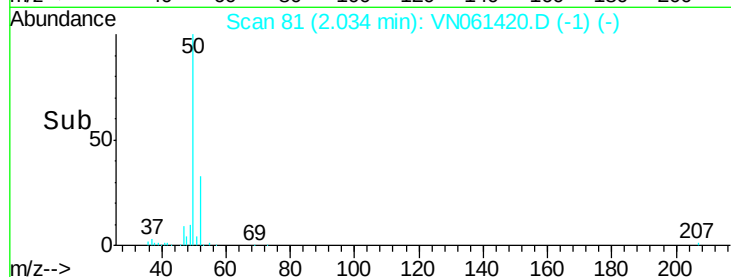
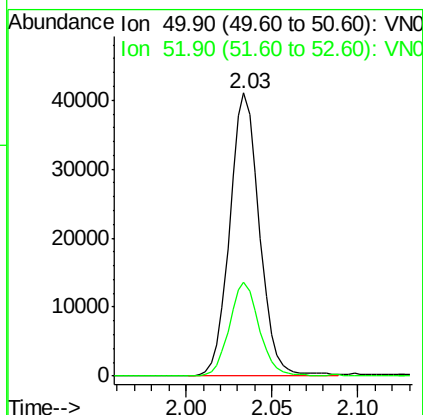
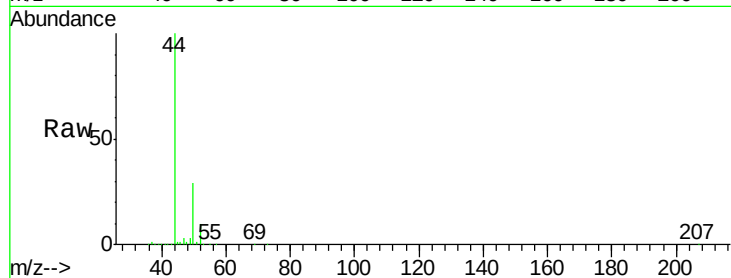




#3
Chloromethane
Concen: 24.127 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

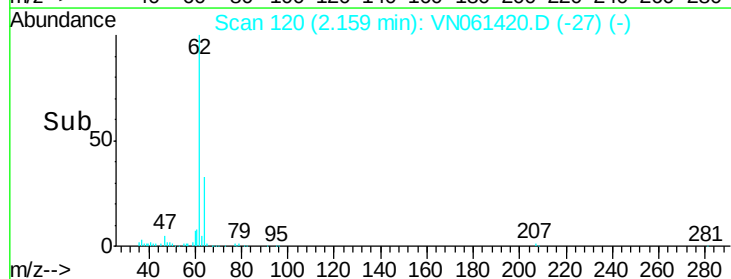
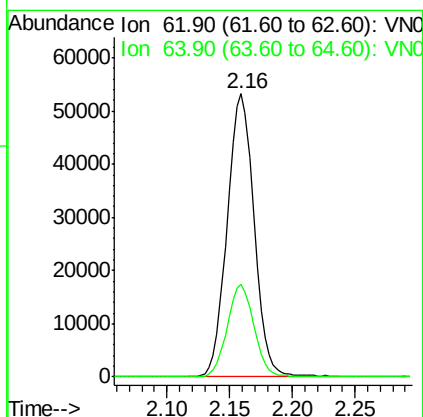
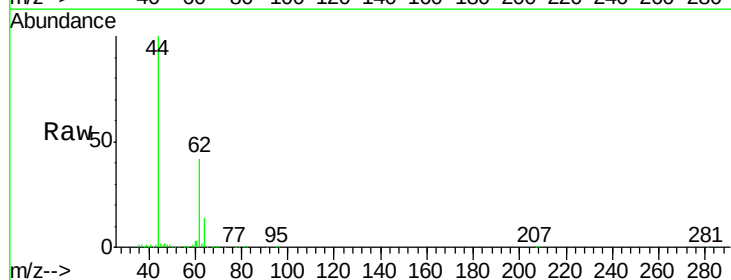
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

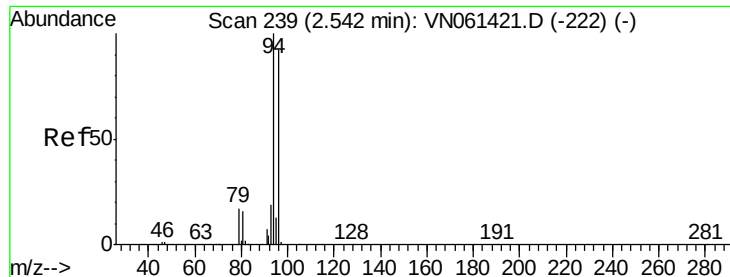
Tot Ion: 50 Resp: 49773
Ion Ratio Lower Upper
50 100
52 33.0 26.5 39.7



#4
Vinyl Chloride
Concen: 31.639 ug/l
RT: 2.16 min Scan# 120
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion: 62 Resp: 79533
Ion Ratio Lower Upper
62 100
64 32.6 25.7 38.5





#5

Bromomethane

Concen: 32.603 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampled :

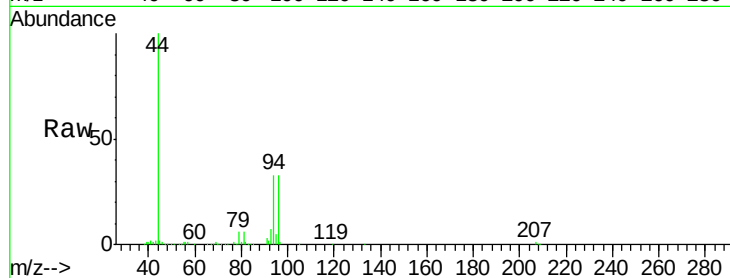
VSTDIC020

Tot Ion: 94 Resp: 42906

Ion Ratio Lower Upper

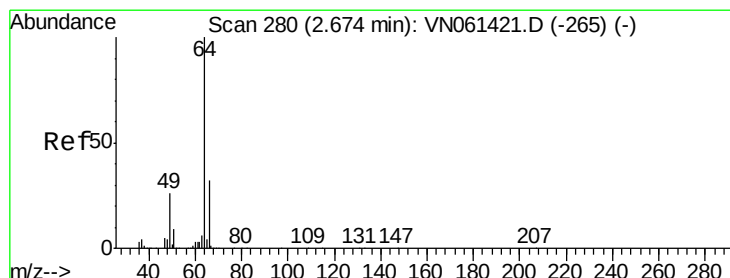
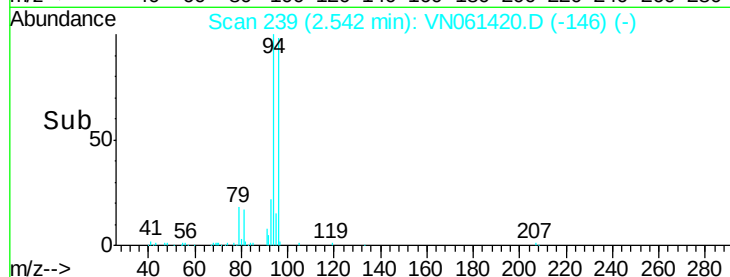
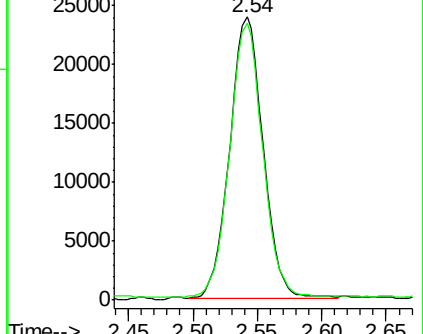
94 100

96 97.0 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VN061420.D (-146) (-)

Ion 95.90 (95.60 to 96.60): VN061420.D (-146) (-)



#6

Chloroethane

Concen: 32.741 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061420.D

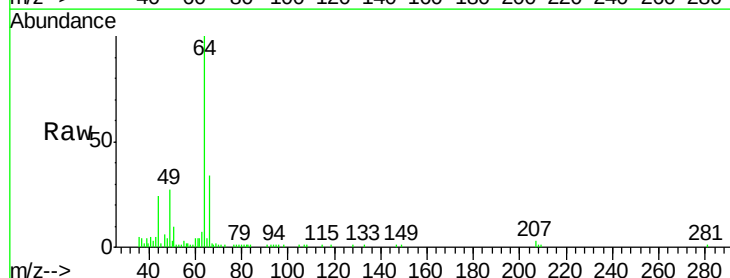
Acq: 15 May 2020 21:22

Tgt Ion: 64 Resp: 53228

Ion Ratio Lower Upper

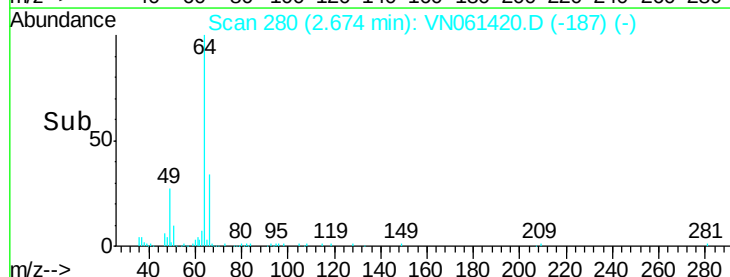
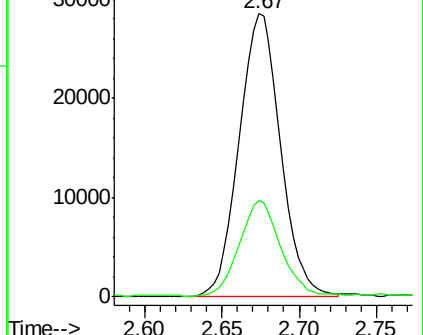
64 100

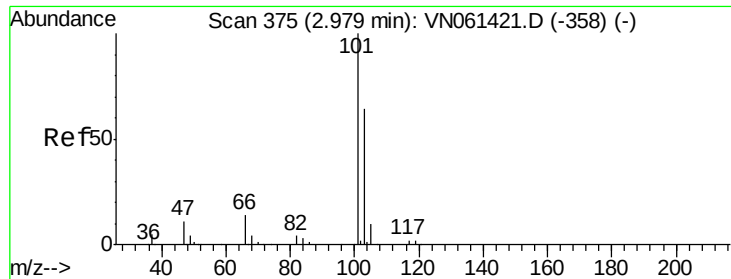
66 34.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN061420.D (-187) (-)

Ion 65.90 (65.60 to 66.60): VN061420.D (-187) (-)



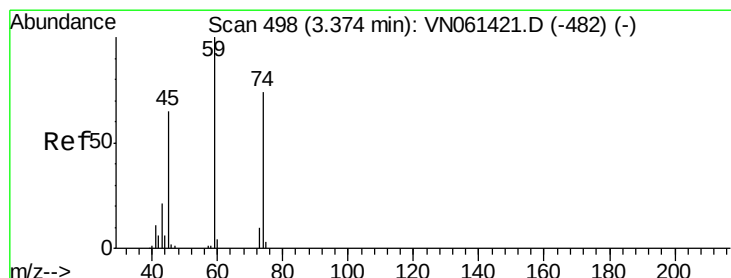
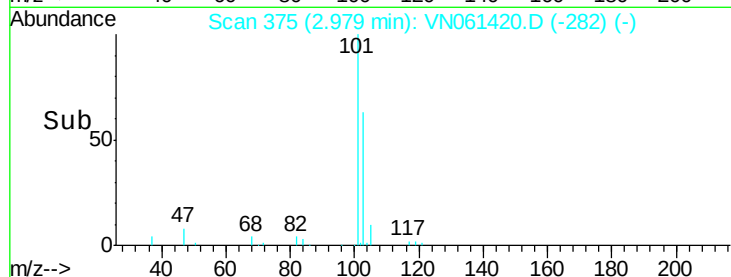
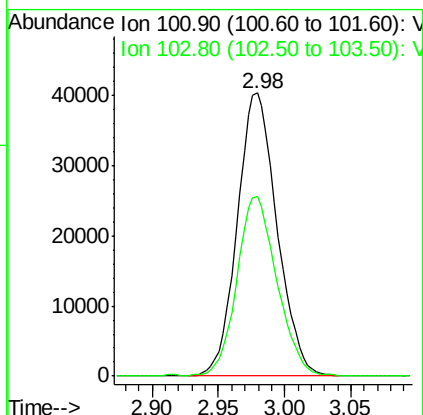
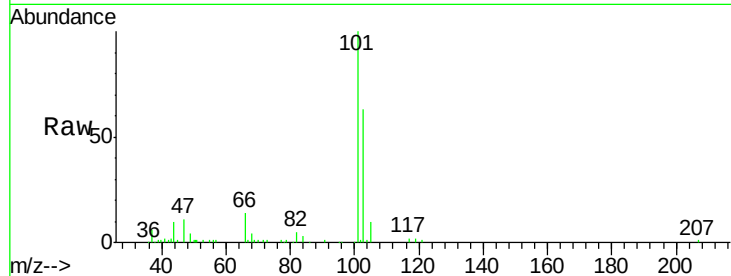


#7

Trichlorofluoromethane
Concen: 29.726 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Instrument :
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ClientSampleId :
VSTDIC020

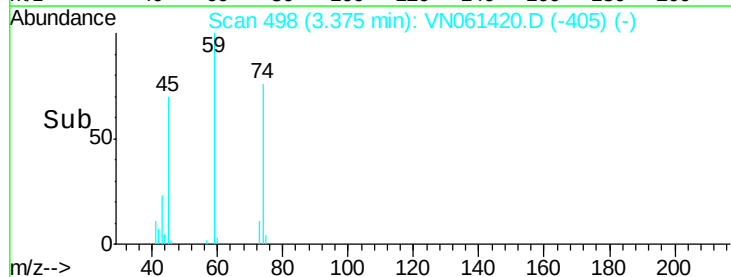
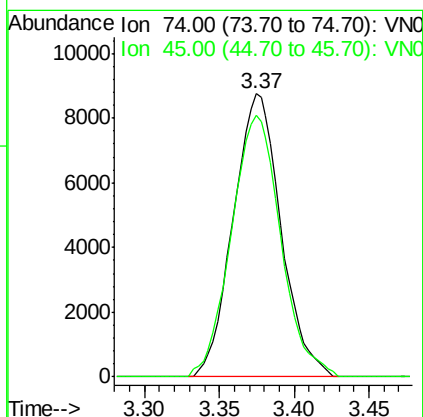
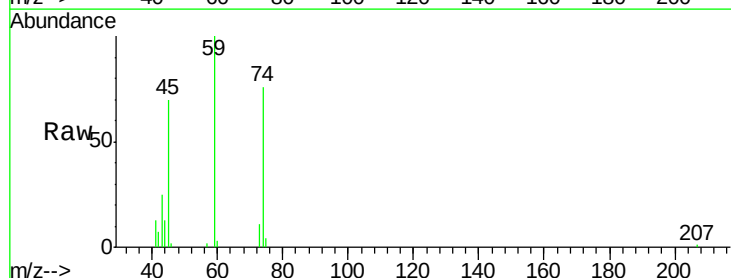
Tot Ion:101 Resp: 83891
Ion Ratio Lower Upper
101 100
103 63.1 51.4 77.0

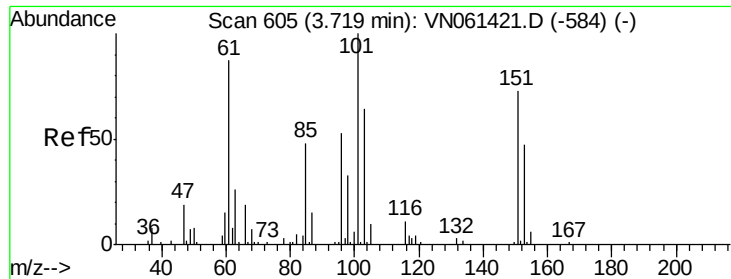


#8

Diethyl Ether
Concen: 18.449 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion: 74 Resp: 19402
Ion Ratio Lower Upper
74 100
45 95.7 45.2 135.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.744 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

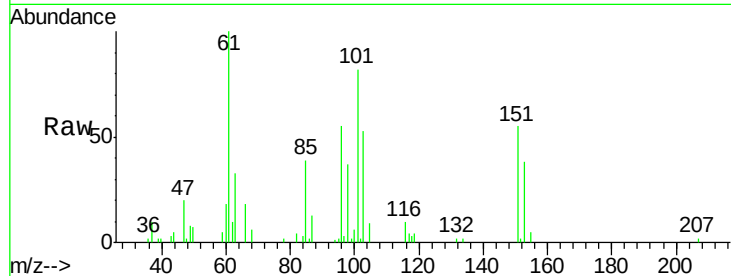
Tot Ion:101 Resp: 28690

Ion Ratio Lower Upper

101 100

85 46.3 38.4 57.6

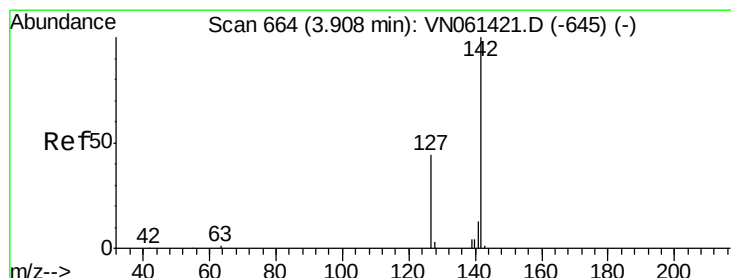
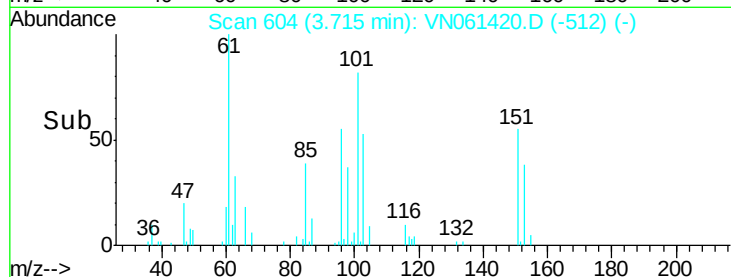
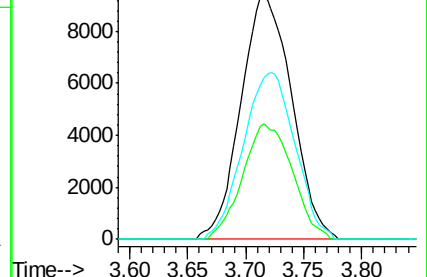
151 69.5 57.8 86.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.858 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

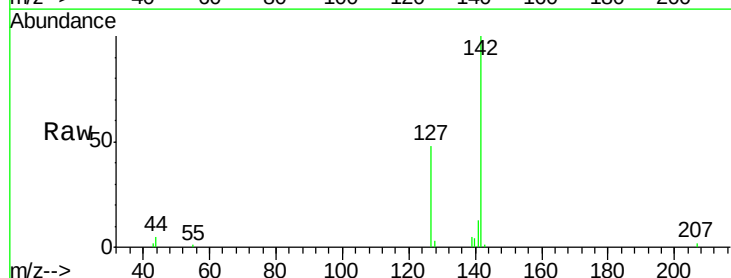
Tgt Ion:142 Resp: 34711

Ion Ratio Lower Upper

142 100

127 46.2 36.0 54.0

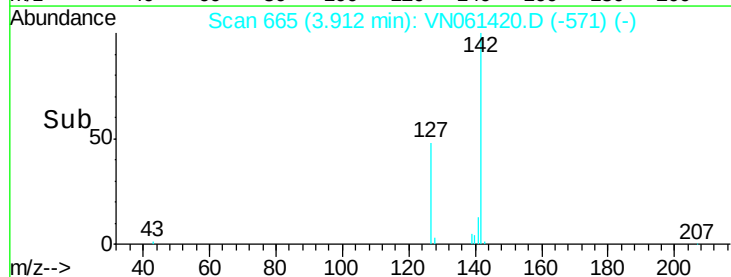
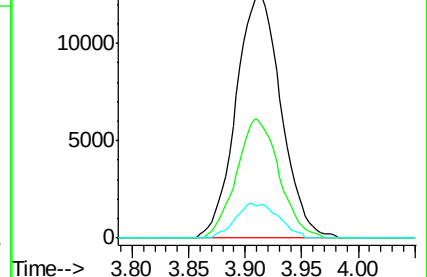
141 7.4 11.0 16.6#

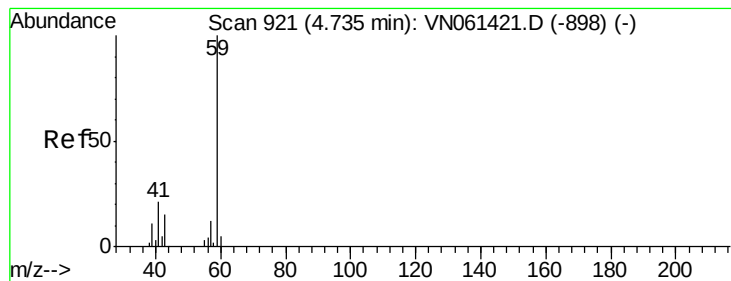


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 47.189 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampleId :

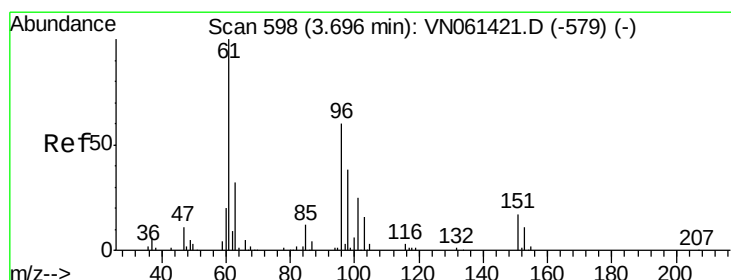
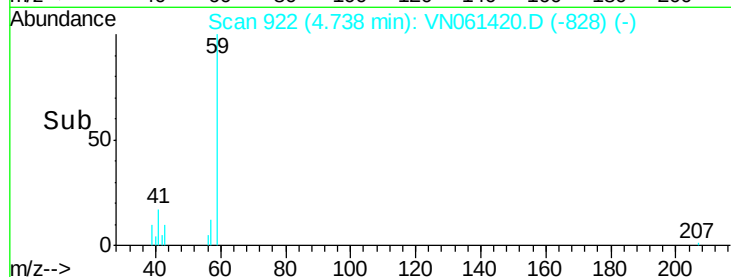
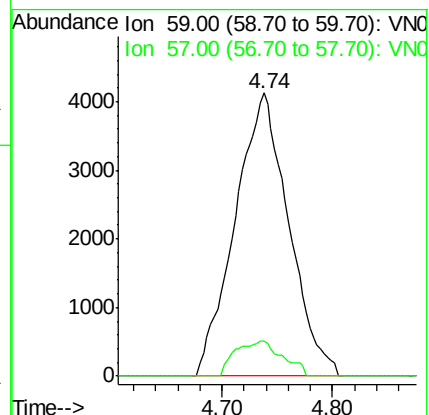
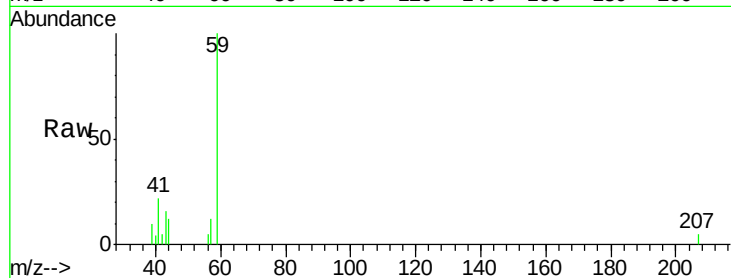
VSTDIC020

Tot Ion: 59 Resp: 13899

Ion Ratio Lower Upper

59 100

57 10.9 8.8 13.2



#12

1,1-Dichloroethene

Concen: 18.112 ug/l

RT: 3.70 min Scan# 599

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

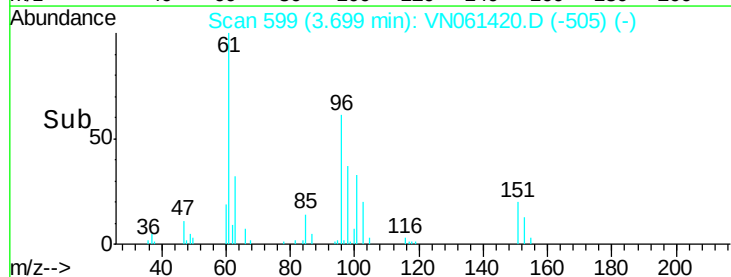
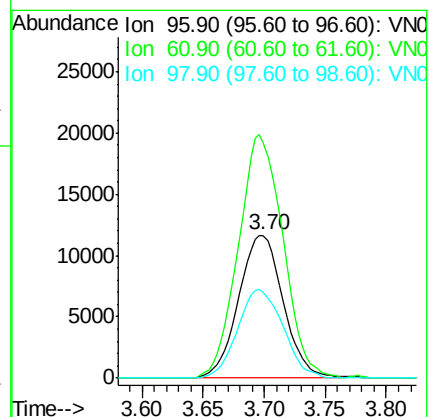
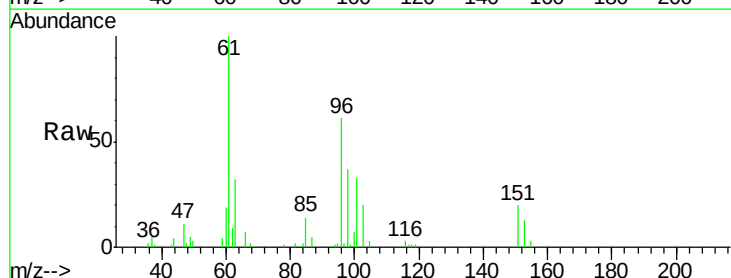
Tgt Ion: 96 Resp: 29502

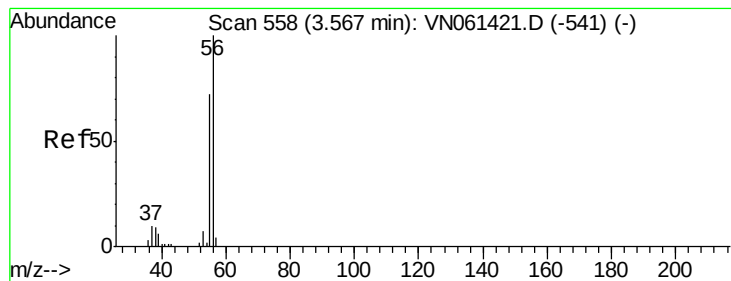
Ion Ratio Lower Upper

96 100

61 165.2 133.9 200.9

98 60.5 50.4 75.6





#13

Acrolein

Concen: 86.027 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampleId :

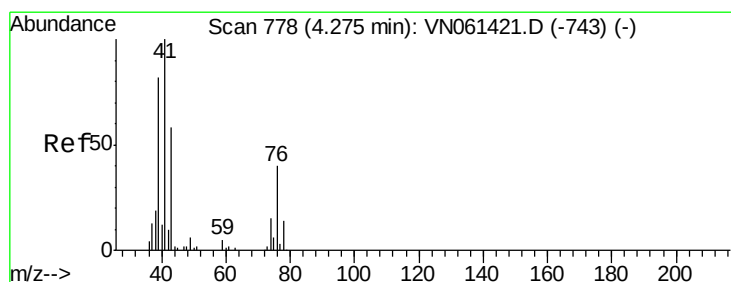
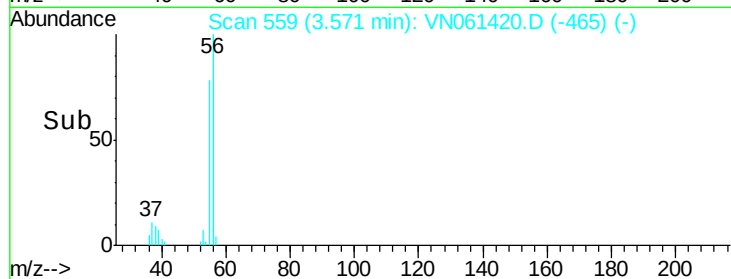
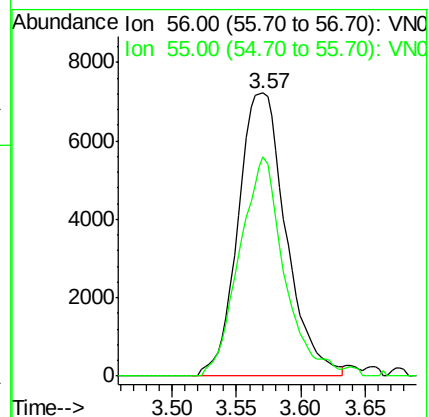
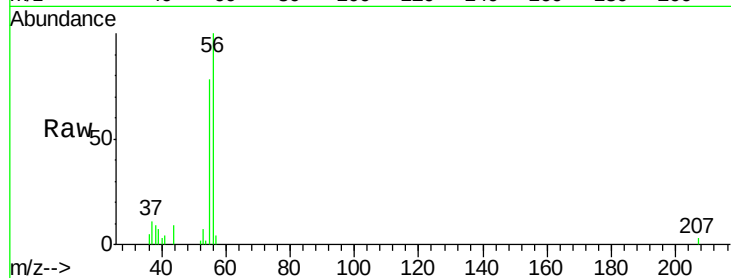
VSTDIC020

Tot Ion: 56 Resp: 18650

Ion Ratio Lower Upper

56 100

55 72.3 56.4 84.6



#14

Allyl chloride

Concen: 16.985 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

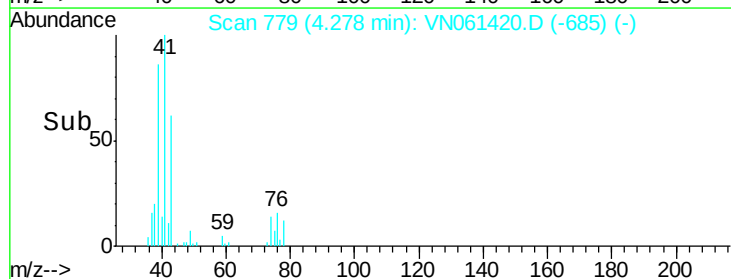
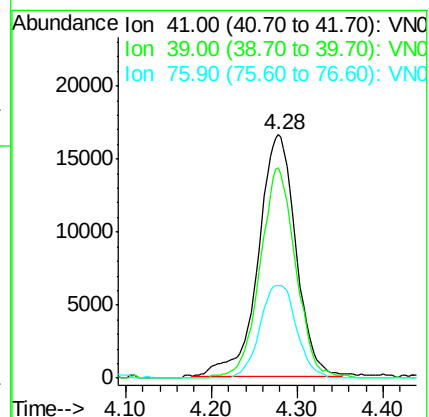
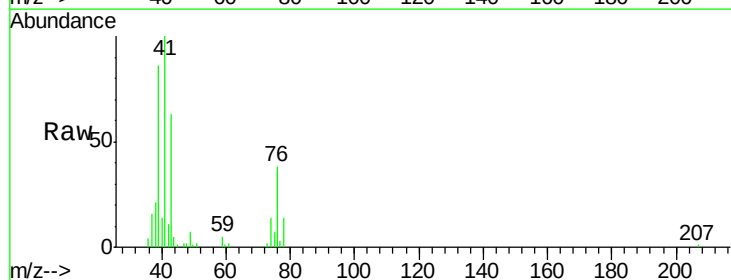
Tgt Ion: 41 Resp: 49984

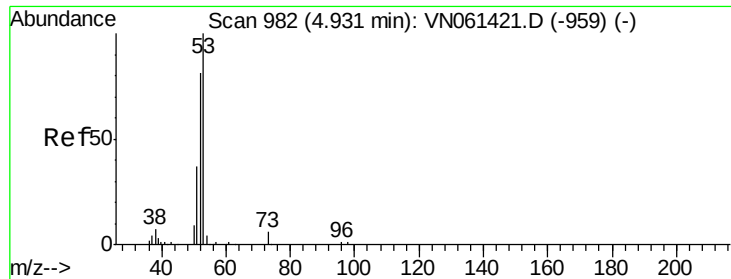
Ion Ratio Lower Upper

41 100

39 83.4 63.4 95.2

76 37.4 30.7 46.1





#15

Acrylonitrile

Concen: 76.624 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

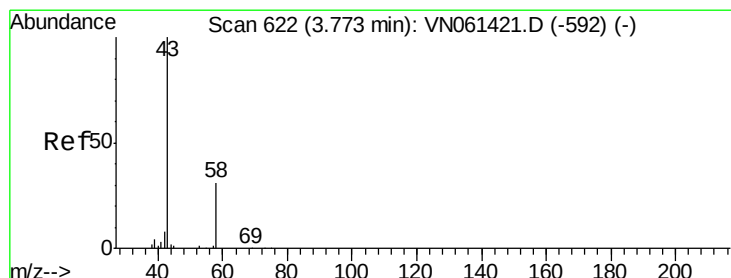
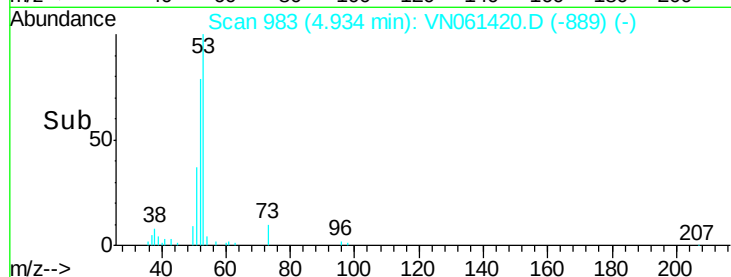
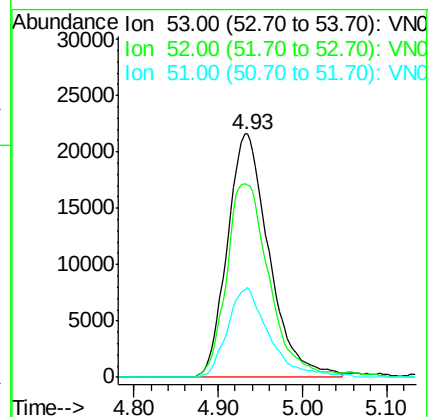
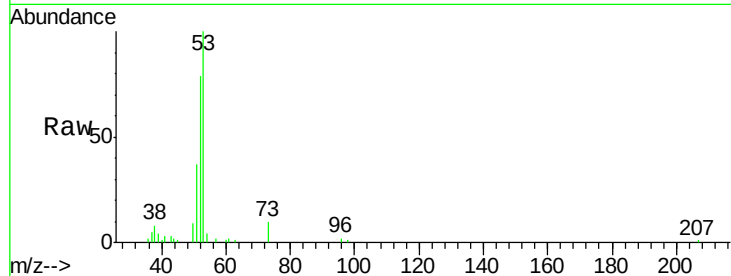
Tot Ion: 53 Resp: 74306

Ion Ratio Lower Upper

53 100

52 81.2 64.4 96.6

51 36.4 29.3 43.9



#16

Acetone

Concen: 38.720 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061420.D

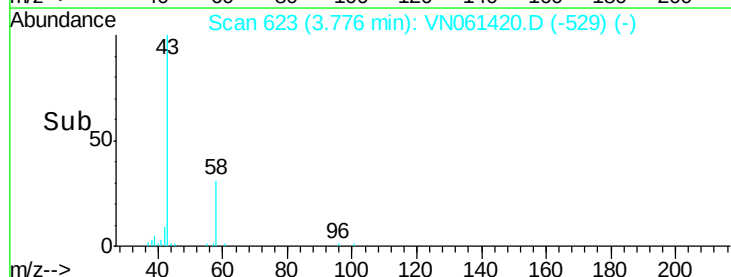
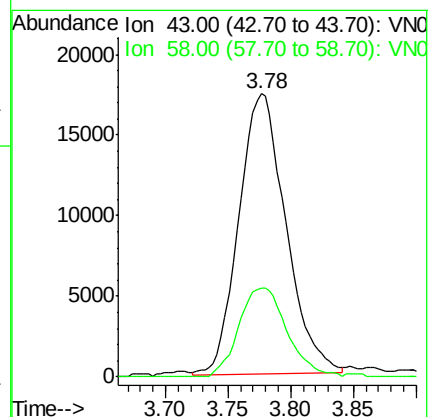
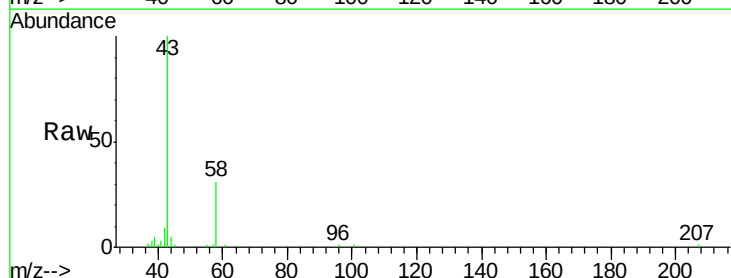
Acq: 15 May 2020 21:22

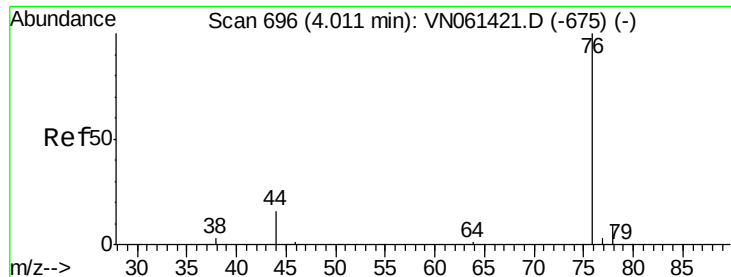
Tgt Ion: 43 Resp: 45291

Ion Ratio Lower Upper

43 100

58 31.7 24.6 36.8





#17

Carbon Disulfide

Concen: 18.675 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampleId :

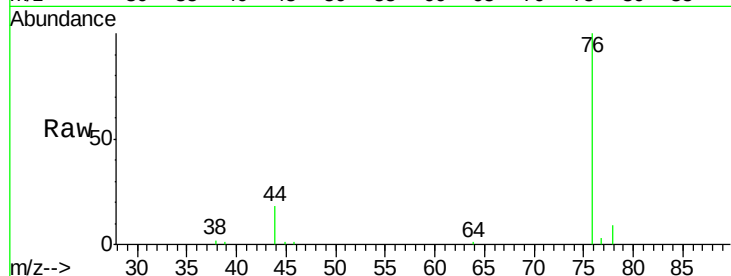
VSTDIC020

Tot Ion: 76 Resp: 82066

Ion Ratio Lower Upper

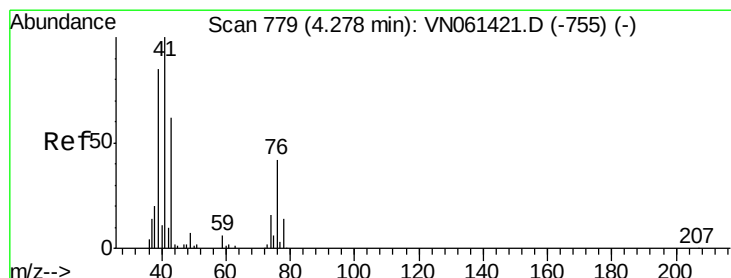
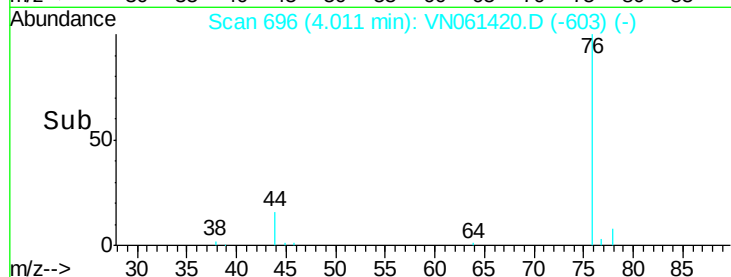
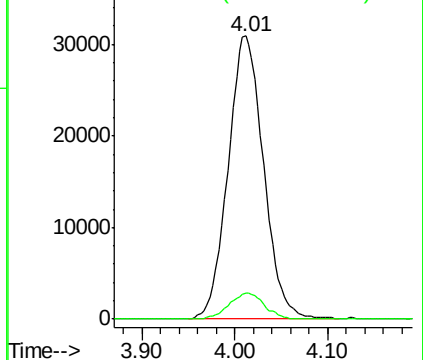
76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 9.711 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN061420.D

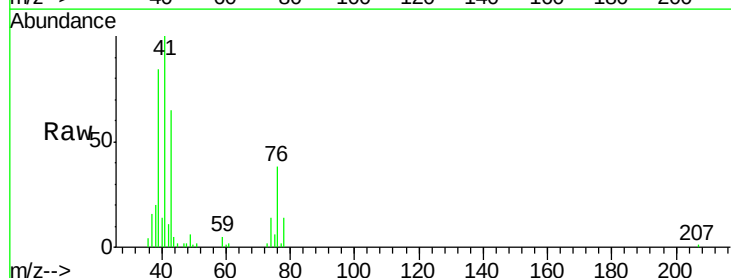
Acq: 15 May 2020 21:22

Tgt Ion: 43 Resp: 30700

Ion Ratio Lower Upper

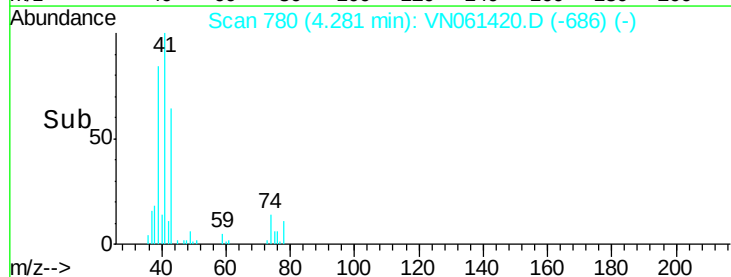
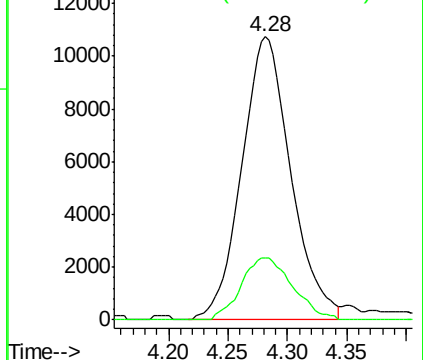
43 100

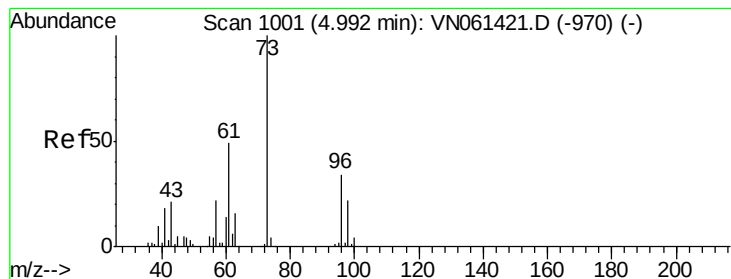
74 23.0 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



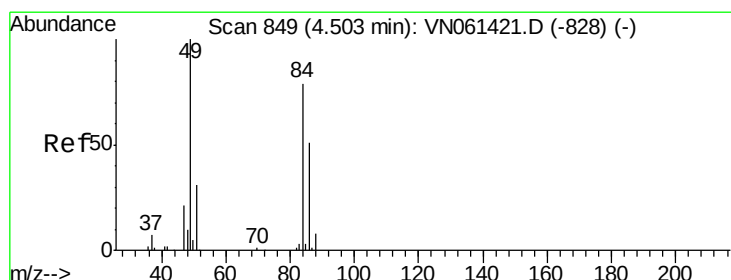
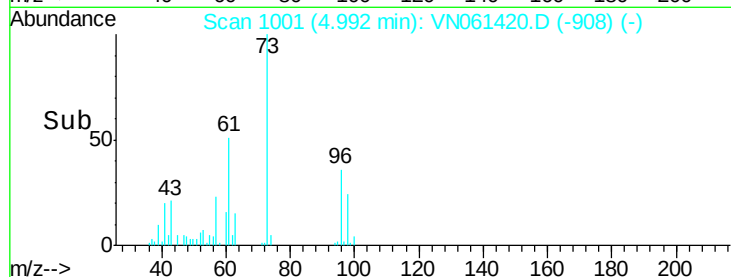
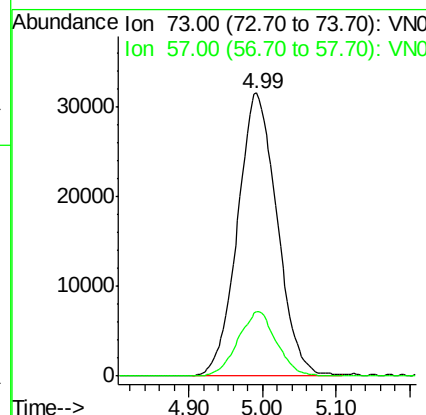
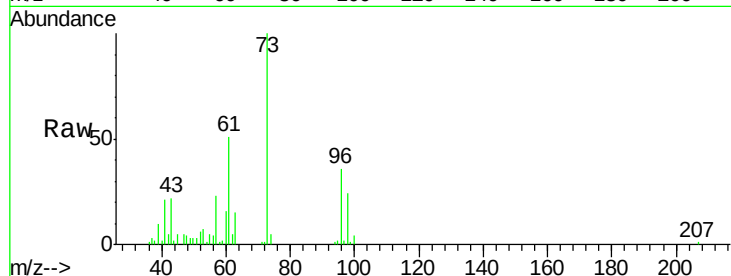


#19

Methvl tert-butyl Ether
 Concen: 18.787 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

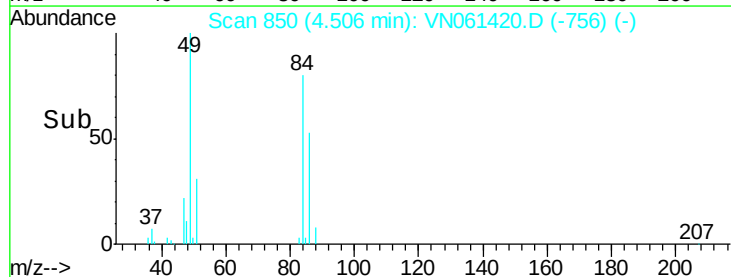
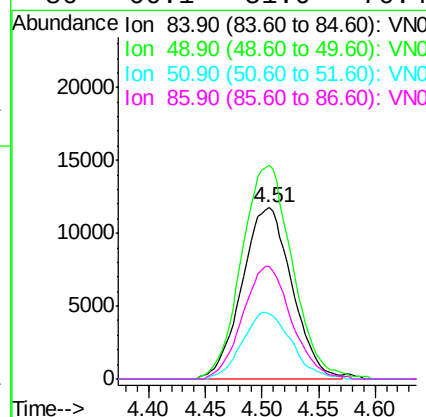
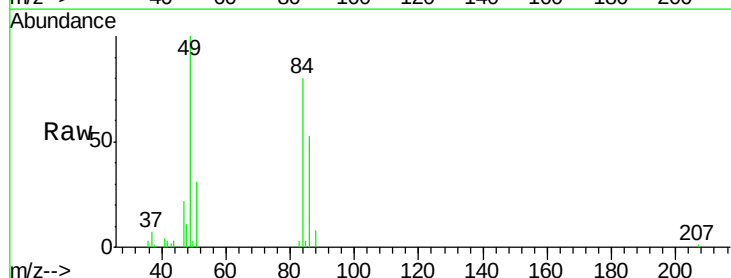
Tot Ion: 73 Resp: 117626
 Ion Ratio Lower Upper
 73 100
 57 22.7 17.6 26.4

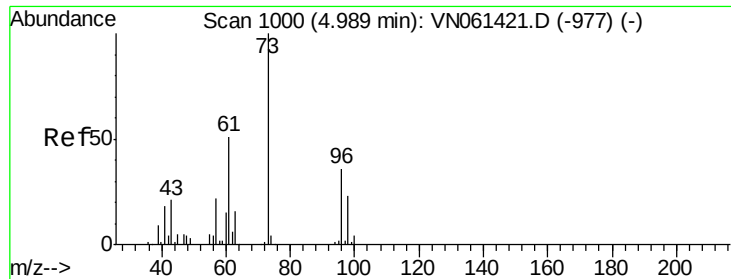


#20

Methylene Chloride
 Concen: 18.932 ug/l
 RT: 4.51 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion: 84 Resp: 36181
 Ion Ratio Lower Upper
 84 100
 49 124.7 101.0 151.4
 51 38.2 31.6 47.4
 86 66.1 51.0 76.4

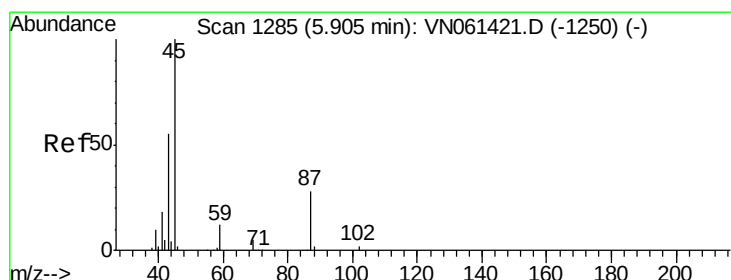
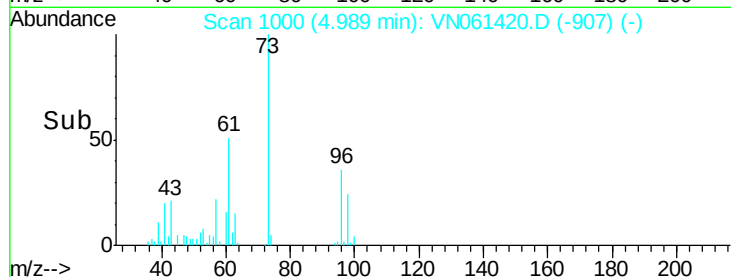
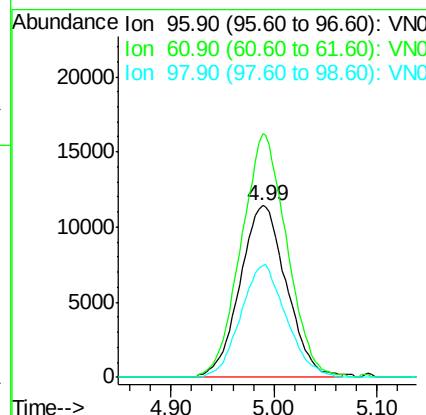
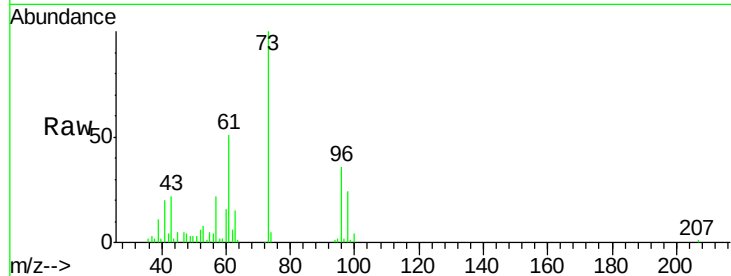




#21
trans-1,2-Dichloroethene
Concen: 20.027 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

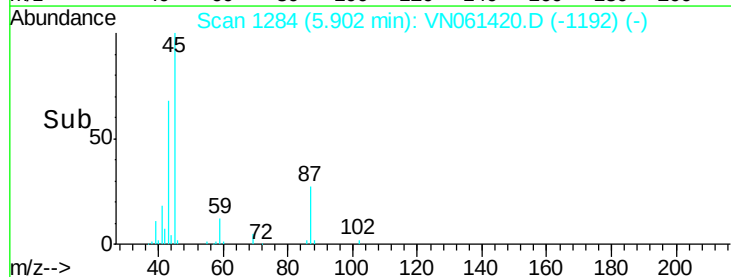
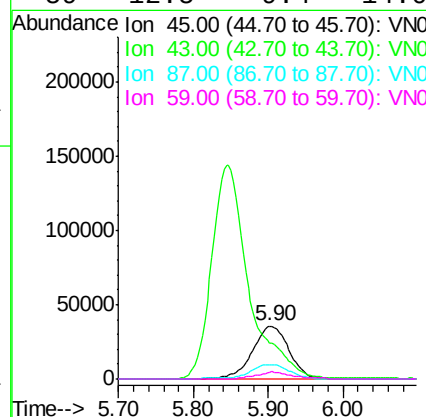
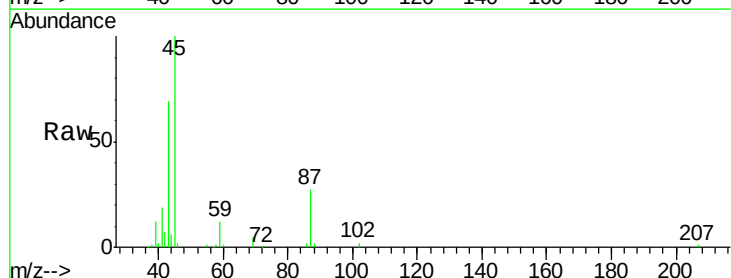
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

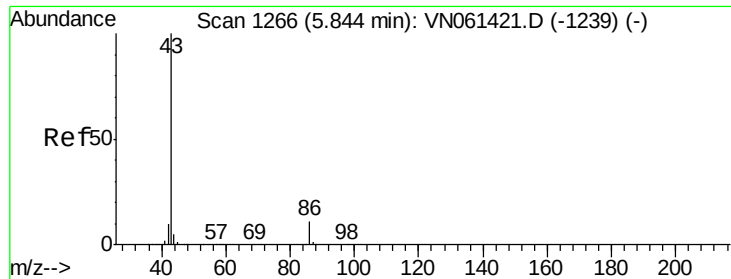
Tot Ion: 96 Resp: 35894
Ion Ratio Lower Upper
96 100
61 142.1 113.8 170.6
98 65.5 50.8 76.2



#22
Diisopropyl ether
Concen: 17.559 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion: 45 Resp: 121768
Ion Ratio Lower Upper
45 100
43 66.2 49.1 73.7
87 27.2 23.0 34.4
59 12.5 9.4 14.0

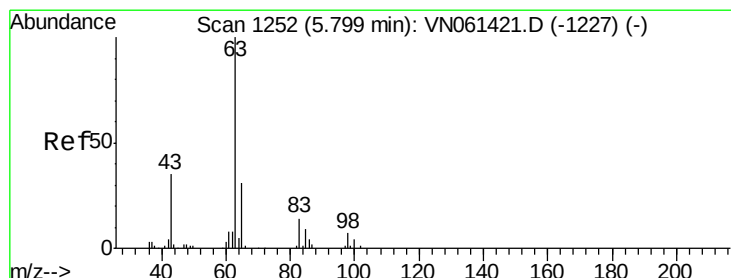
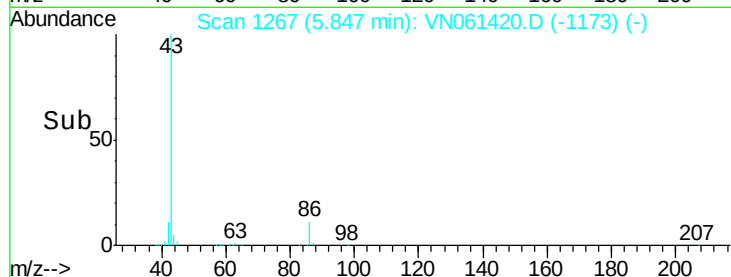
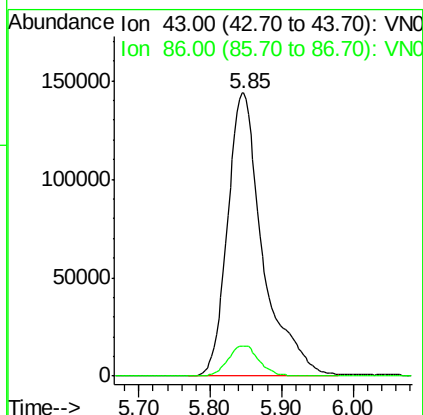
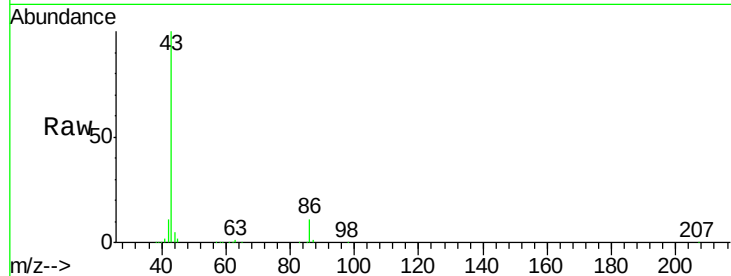




#23
 Vinyl Acetate
 Concen: 88.868 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

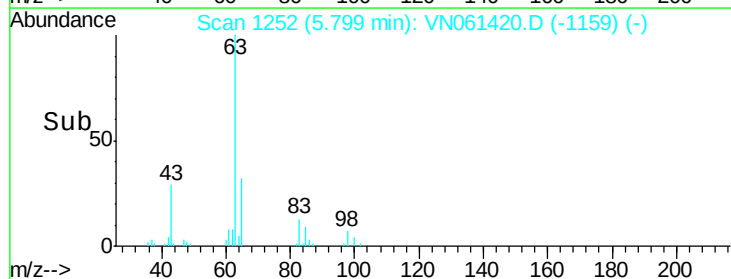
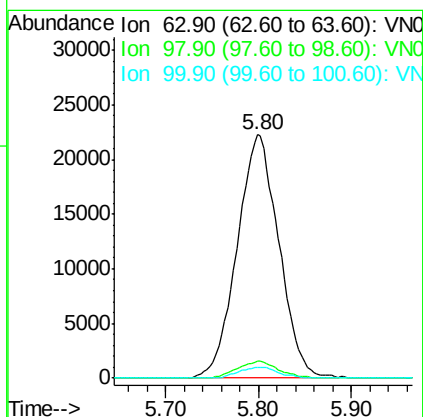
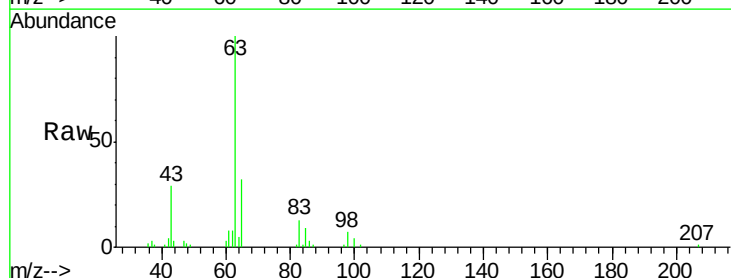
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

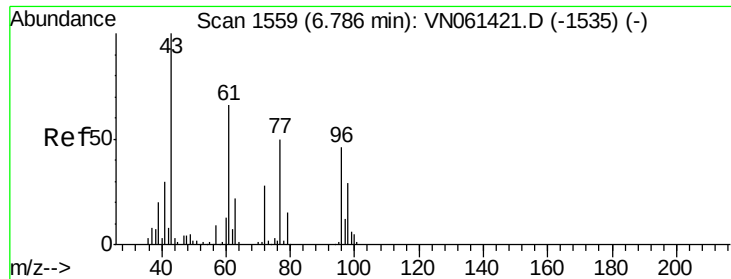
Tot Ion: 43 Resp: 495533
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 18.874 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion: 63 Resp: 69416
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.6 10.9
 100 4.3 2.1 6.2

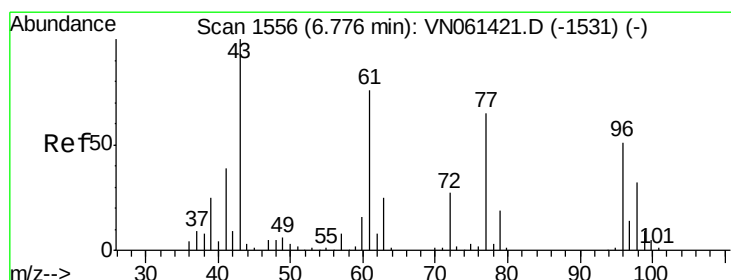
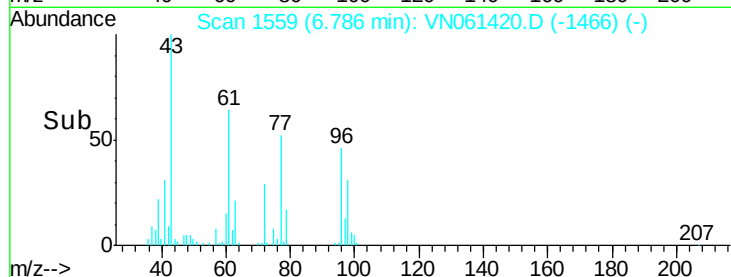
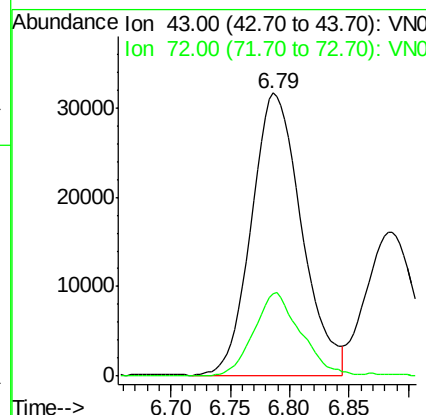
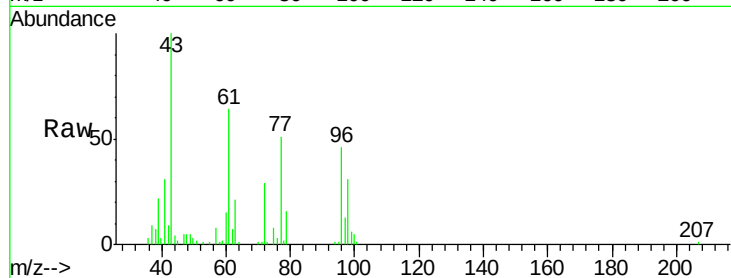




#25
 2-Butanone
 Concen: 67.717 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

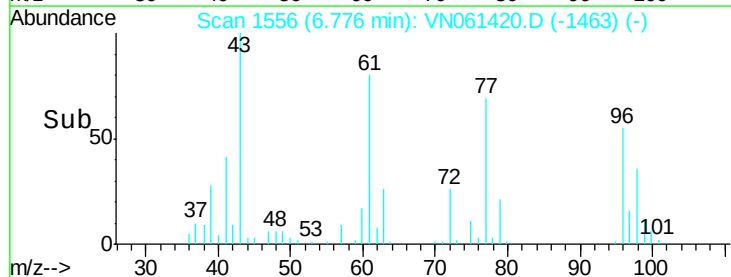
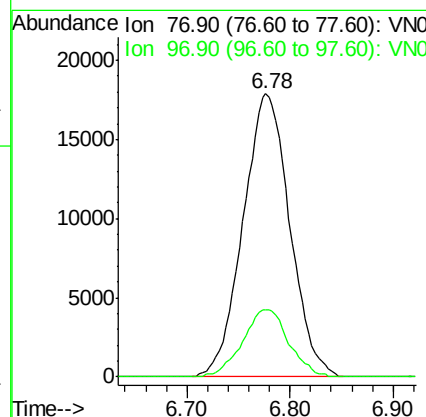
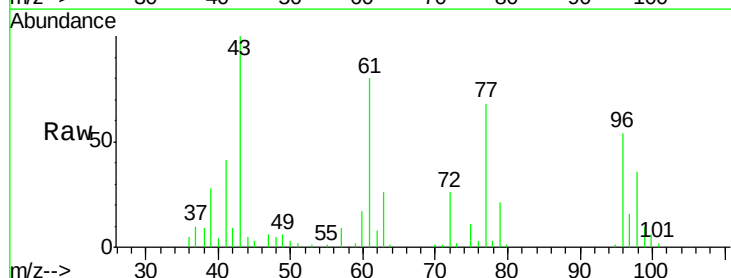
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

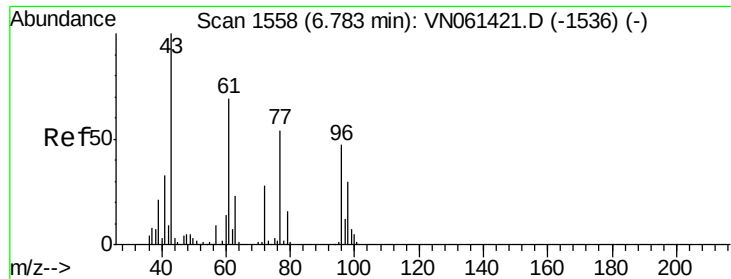
Tot Ion: 43 Resp: 92802
 Ion Ratio Lower Upper
 43 100
 72 29.1 22.6 33.8



#26
 2,2-Dichloropropane
 Concen: 18.080 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion: 77 Resp: 56213
 Ion Ratio Lower Upper
 77 100
 97 23.3 11.1 33.3

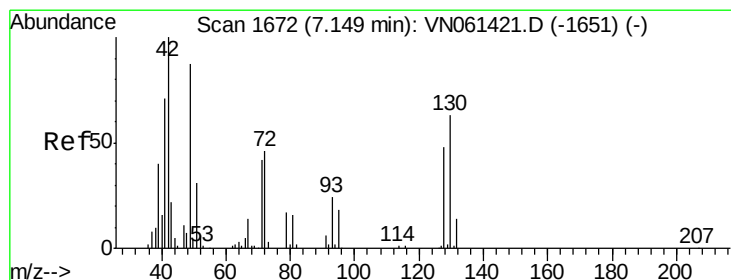
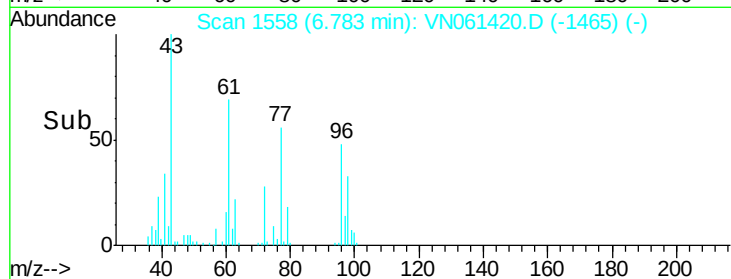
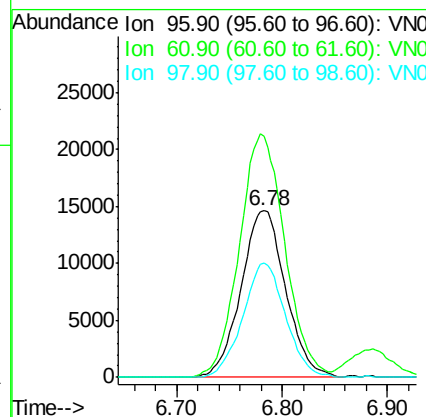
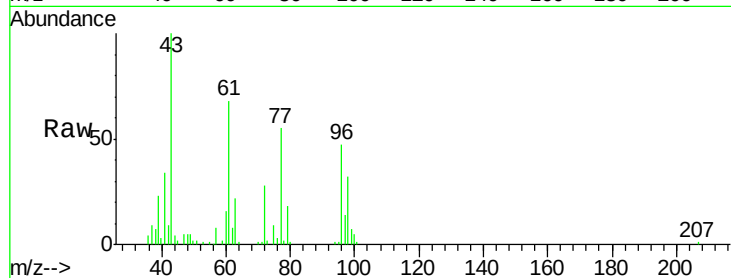




#27
 cis-1,2-Dichloroethene
 Concen: 20.294 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

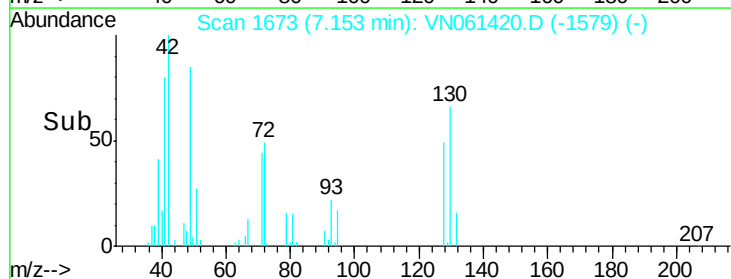
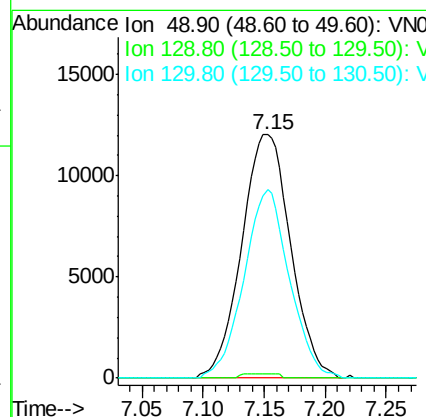
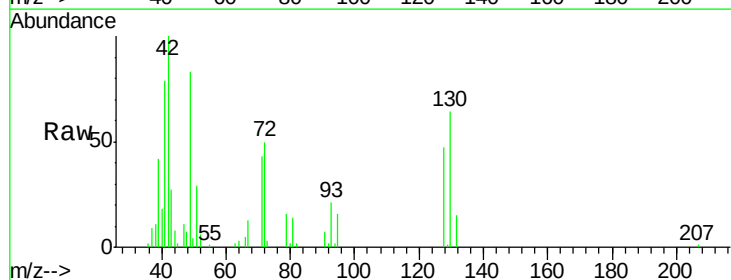
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

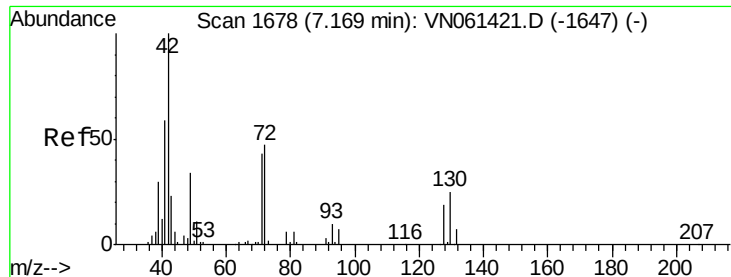
Tot Ion: 96 Resp: 43067
 Ion Ratio Lower Upper
 96 100
 61 148.6 0.0 293.0
 98 65.6 0.0 127.4



#28
 Bromochloromethane
 Concen: 18.959 ug/l
 RT: 7.15 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion: 49 Resp: 33498
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 3.6
 130 71.7 57.4 86.0

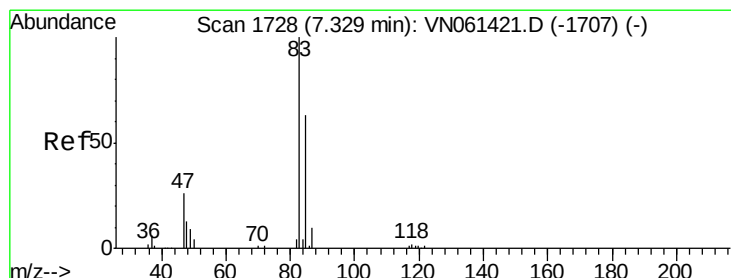
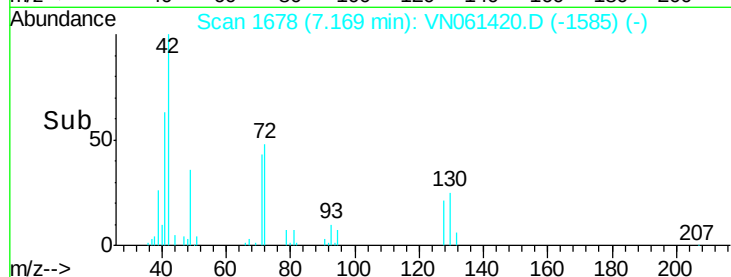
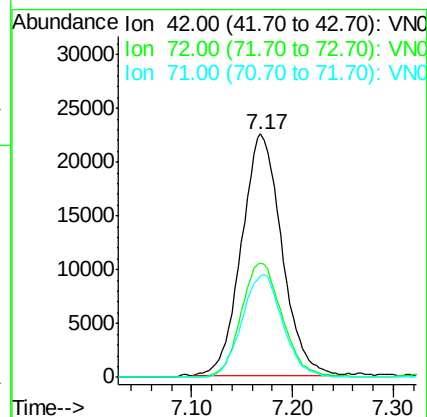
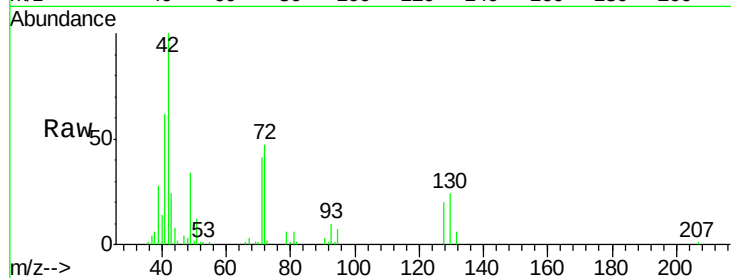




#29
Tetrahydrofuran
Concen: 66.907 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

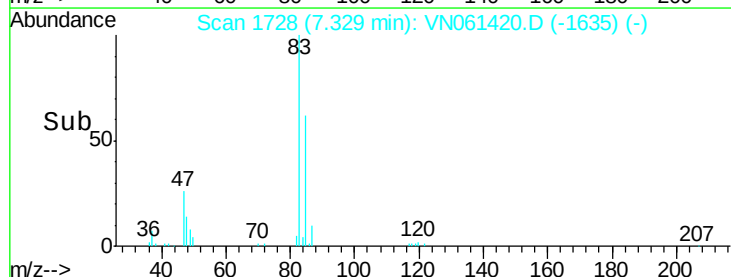
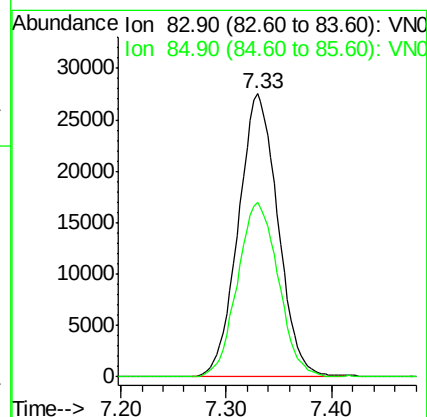
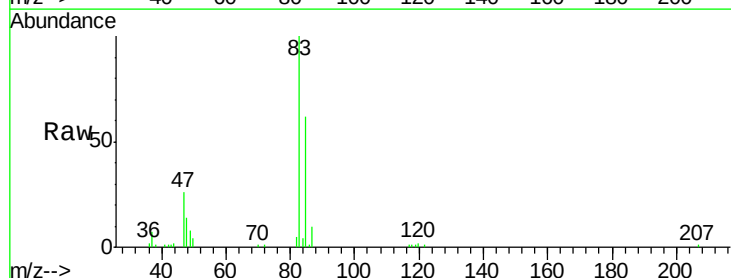
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

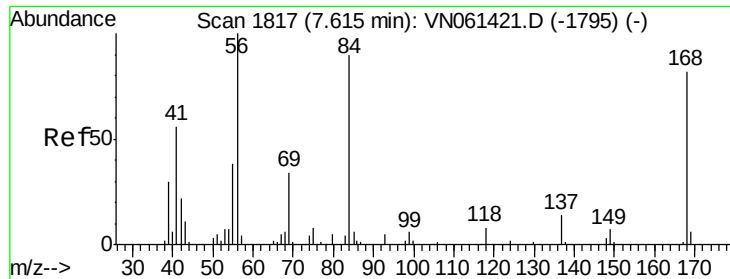
Tot Ion: 42 Resp: 62058
Ion Ratio Lower Upper
42 100
72 48.4 37.1 55.7
71 43.0 34.5 51.7



#30
Chloroform
Concen: 19.166 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion: 83 Resp: 71829
Ion Ratio Lower Upper
83 100
85 61.5 50.6 76.0

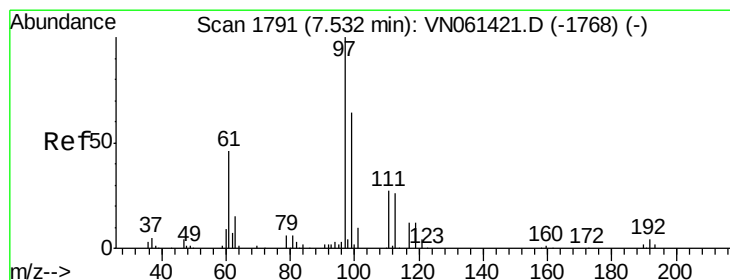
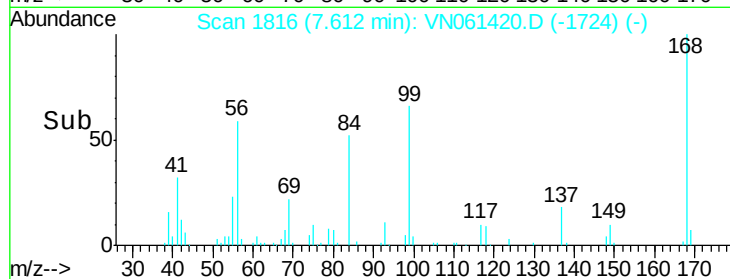
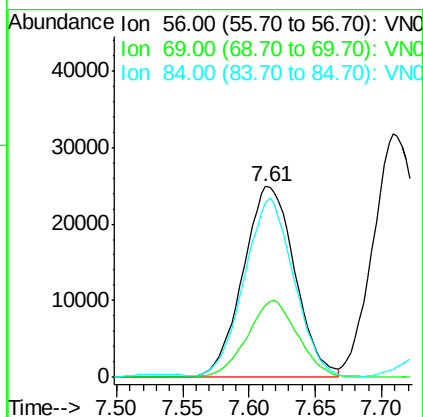
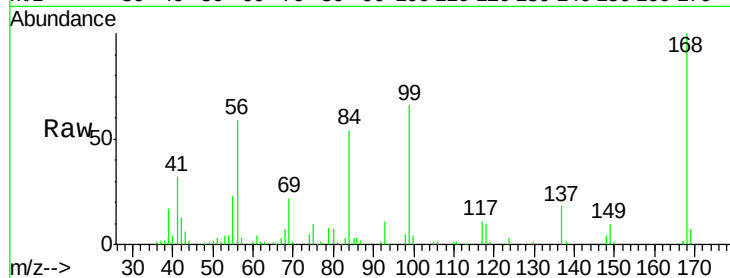




#31
Cyclohexane
Concen: 19.006 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

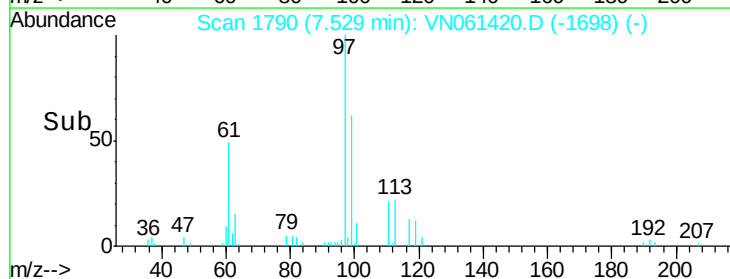
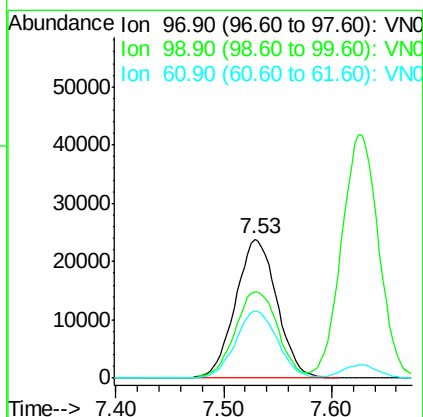
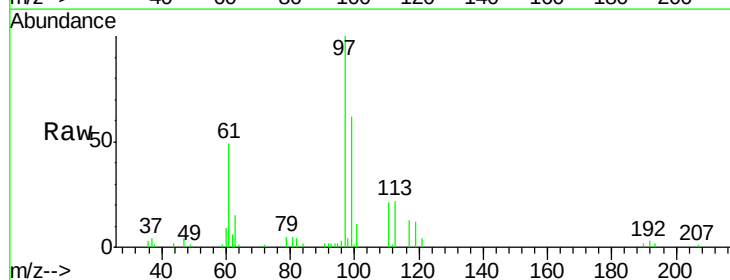
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

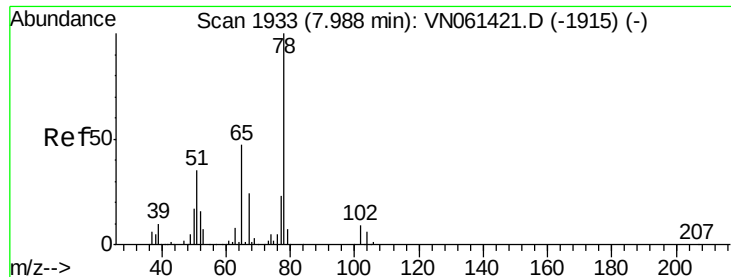
Tot Ion: 56 Resp: 67888
Ion Ratio Lower Upper
56 100
69 37.8 27.0 40.4
84 90.9 71.7 107.5



#32
1,1,1-Trichloroethane
Concen: 19.395 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion: 97 Resp: 63672
Ion Ratio Lower Upper
97 100
99 64.3 50.7 76.1
61 48.7 37.0 55.4

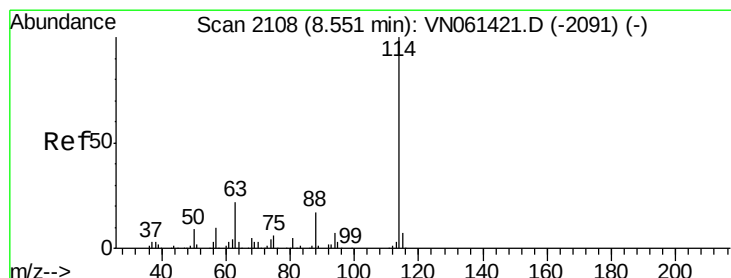
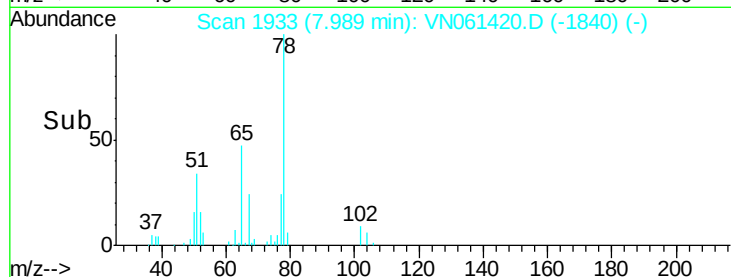
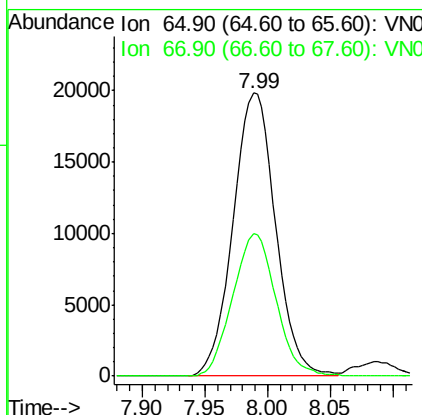
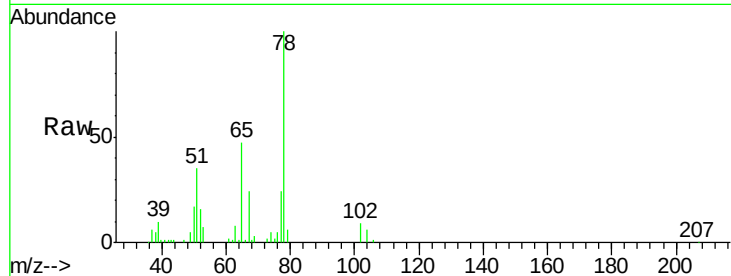




#33
 1,2-Dichloroethane-d4
 Concen: 18.893 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

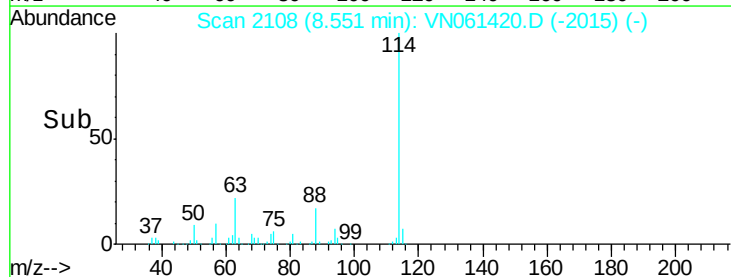
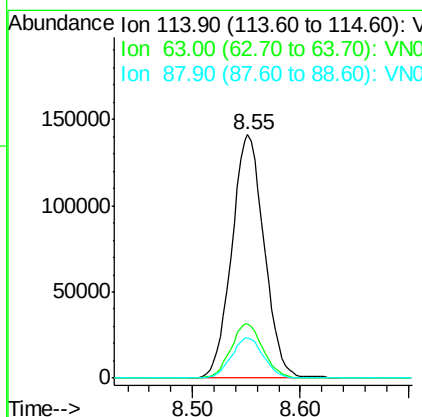
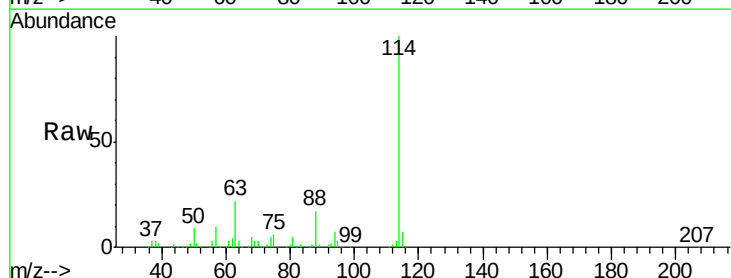
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

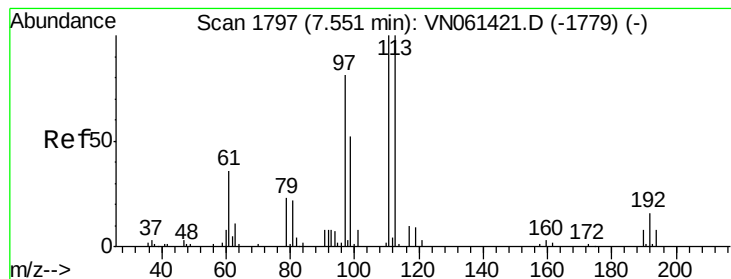
Tot Ion: 65 Resp: 46722
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion: 114 Resp: 295367
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.4
 88 16.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 17.758 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

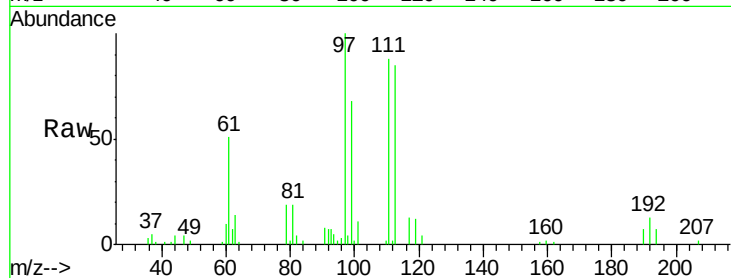
Tot Ion:113 Resp: 30148

Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

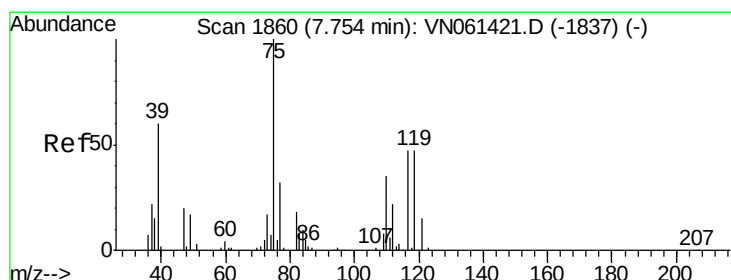
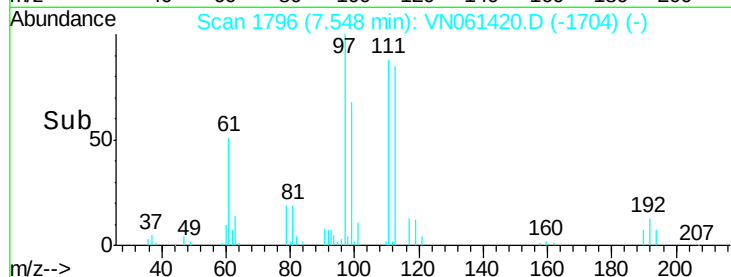
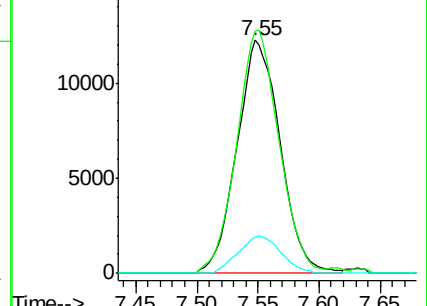
192 15.7 13.4 20.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.628 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

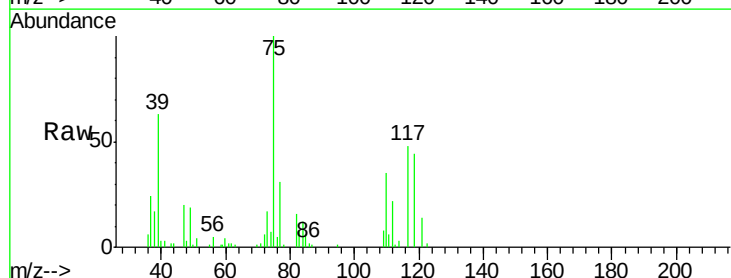
Tgt Ion: 75 Resp: 54515

Ion Ratio Lower Upper

75 100

110 32.9 16.7 50.1

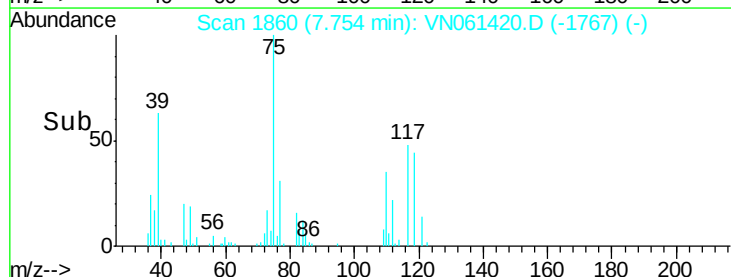
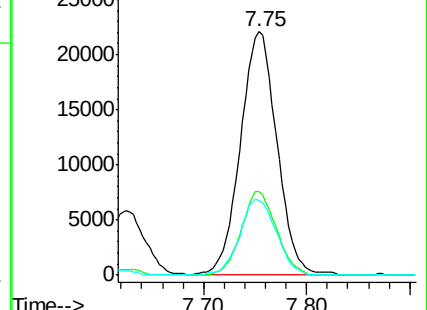
77 31.2 24.7 37.1

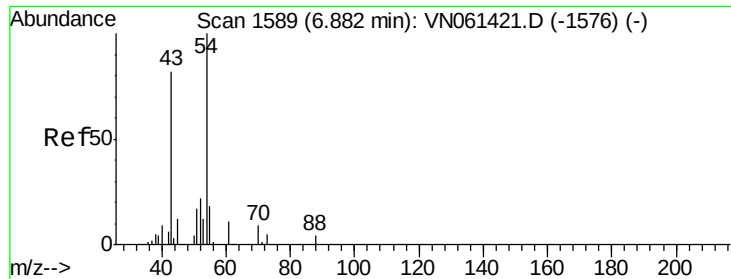


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

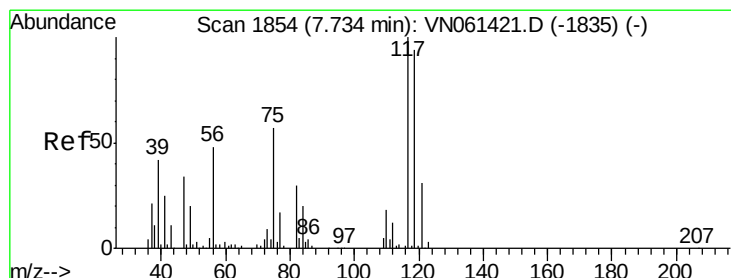
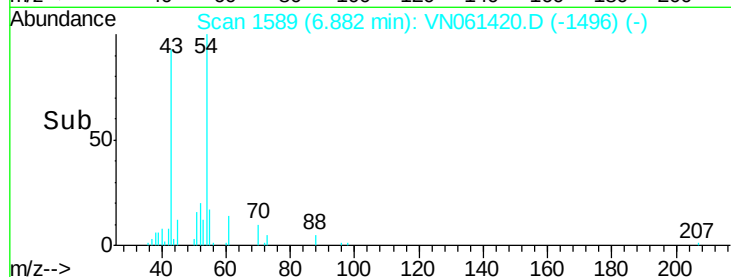
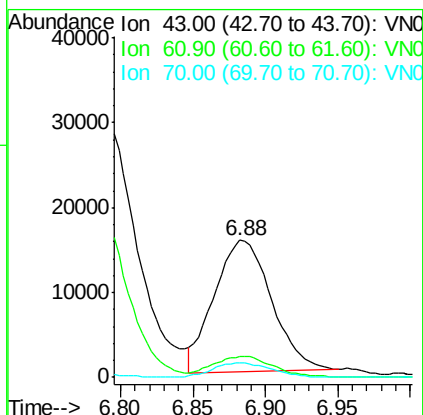
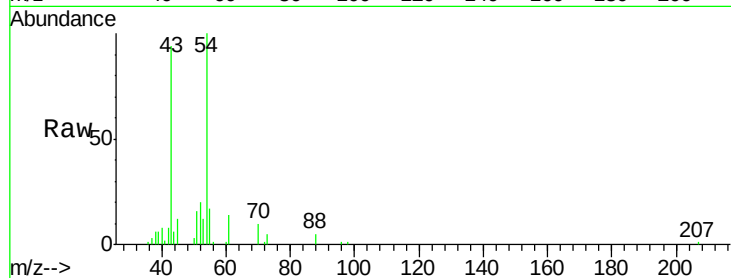




#37
Ethyl Acetate
Concen: 12.964 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

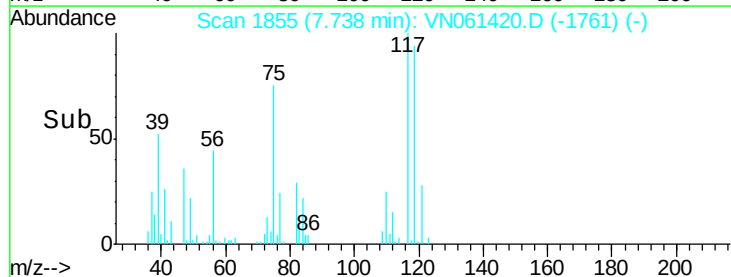
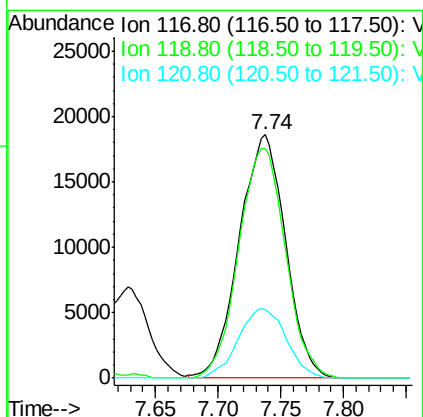
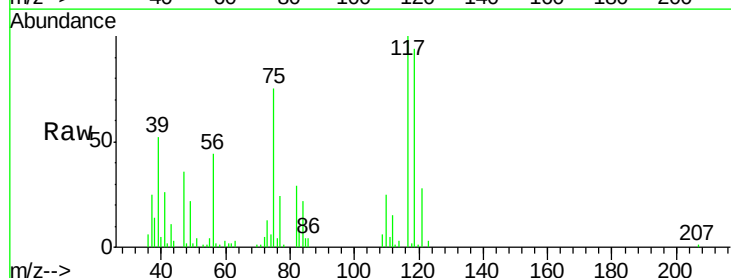
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

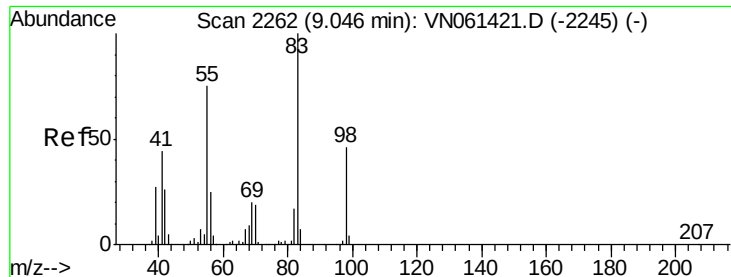
Tot Ion: 43 Resp: 42480
Ion Ratio Lower Upper
43 100
61 16.9 11.5 17.3
70 11.2 8.0 12.0



#38
Carbon Tetrachloride
Concen: 20.194 ug/l
RT: 7.74 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion: 117 Resp: 47767
Ion Ratio Lower Upper
117 100
119 94.4 75.5 113.3
121 28.2 24.6 36.8

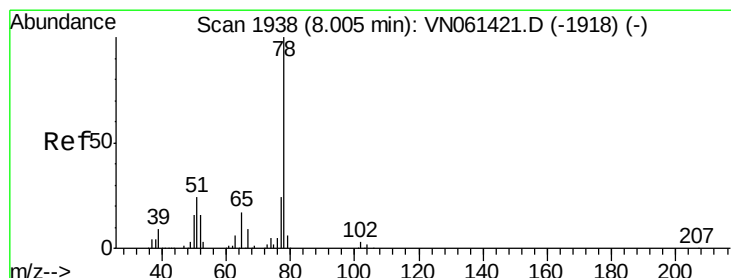
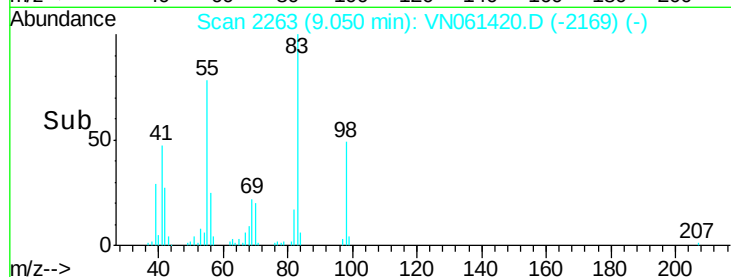
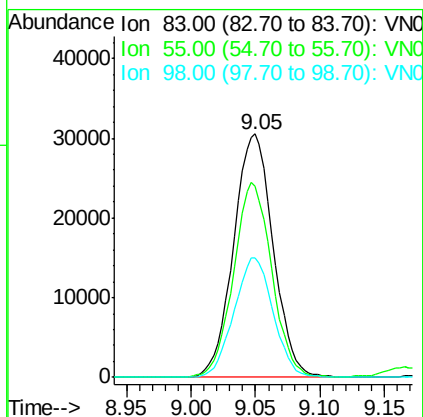
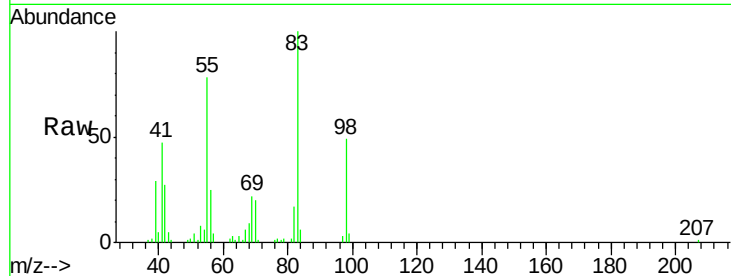




#39
Methylvlcyclohexane
Concen: 19.549 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

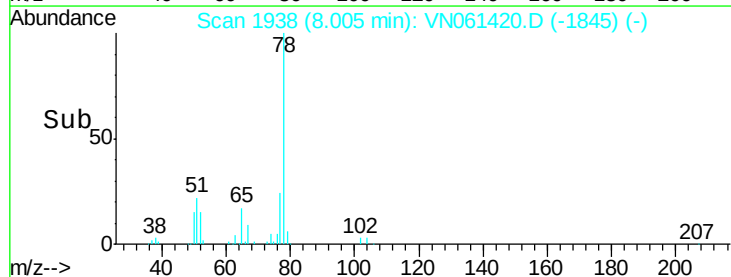
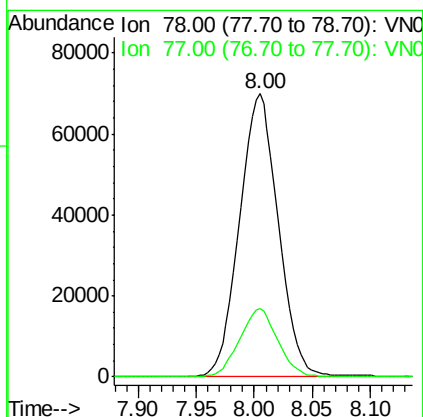
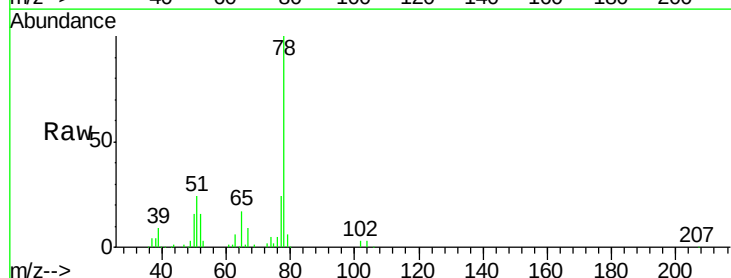
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

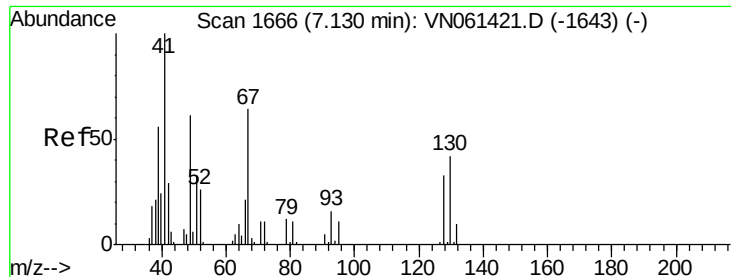
Tot Ion: 83 Resp: 65192
Ion Ratio Lower Upper
83 100
55 78.4 60.1 90.1
98 49.1 37.0 55.6



#40
Benzene
Concen: 18.595 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion: 78 Resp: 162948
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6

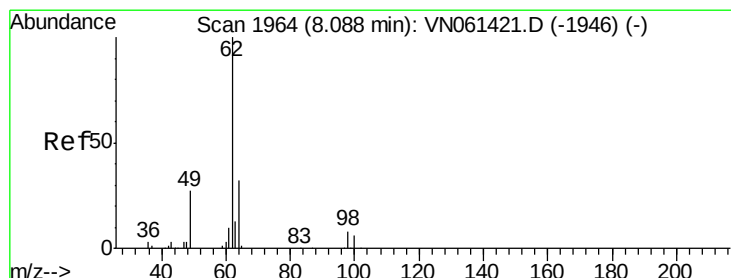
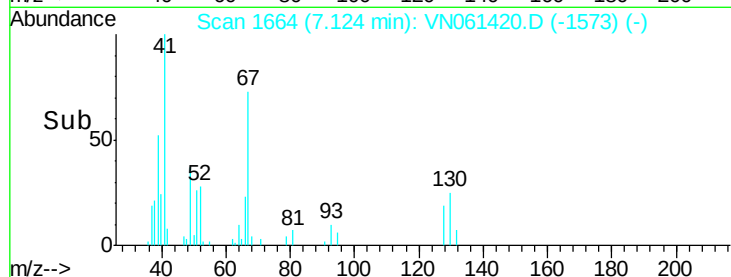
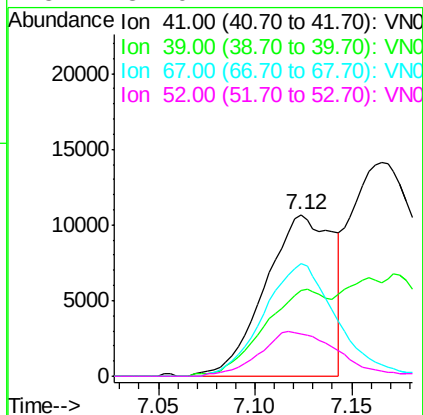
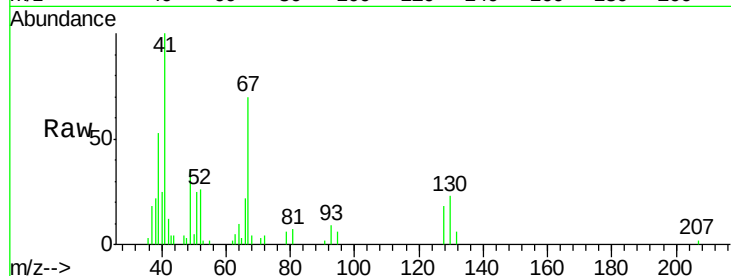




#41
Methacrylonitrile
Concen: 18.404 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

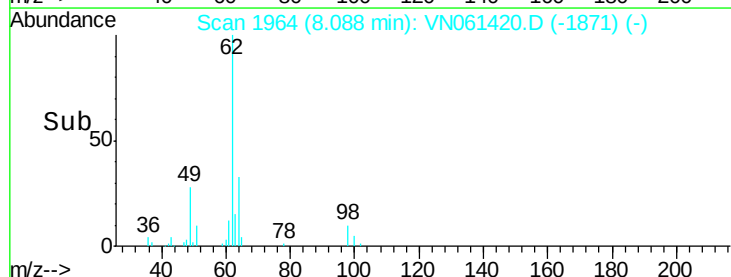
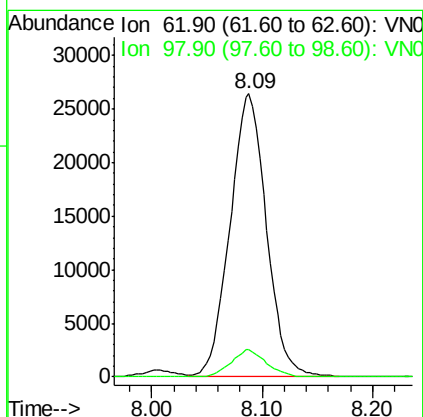
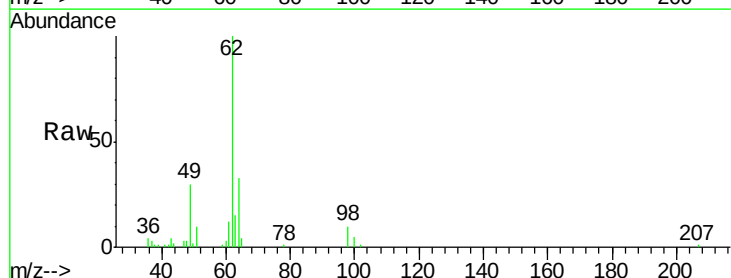
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

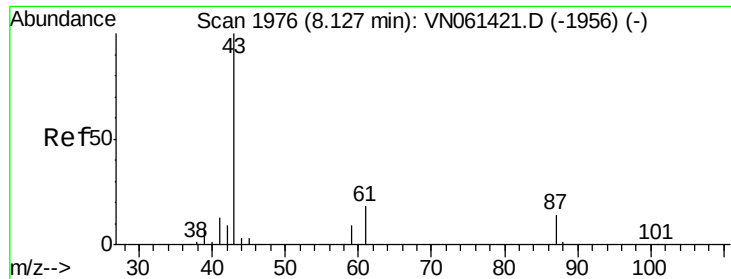
Tot Ion:	41	Resp:	26027
Ion	Ratio	Lower	Upper
41	100		
39	51.3	42.2	63.4
67	75.2	64.7	97.1
52	32.0	27.4	41.2



#42
1,2-Dichloroethane
Concen: 18.363 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion:	62	Resp:	60419
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.0





#43

Isopropyl Acetate

Concen: 16.324 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

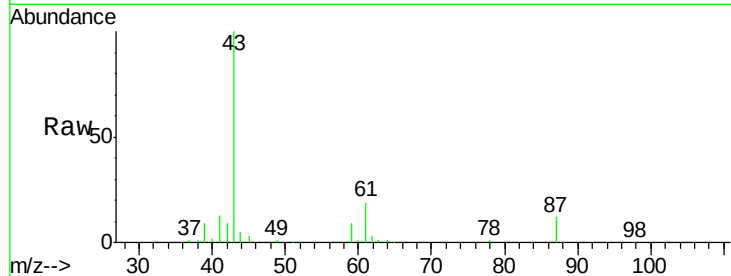
Tot Ion: 43 Resp: 90586

Ion Ratio Lower Upper

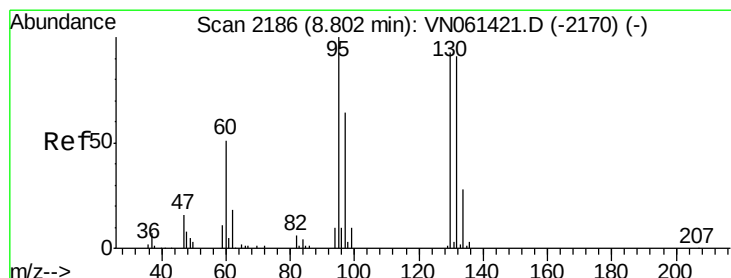
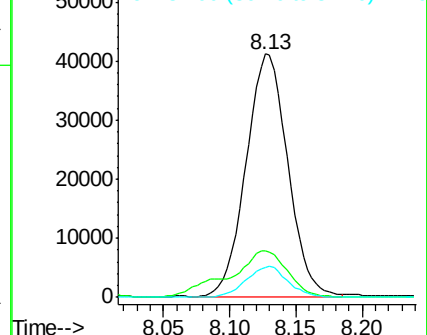
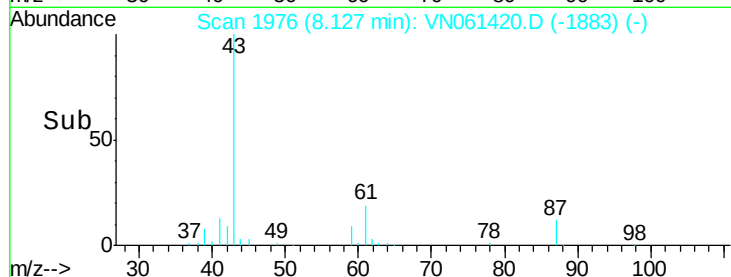
43 100

61 26.6 21.3 31.9

87 12.6 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN061420.D (-1883) (-)



#44

Trichloroethene

Concen: 18.304 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061420.D

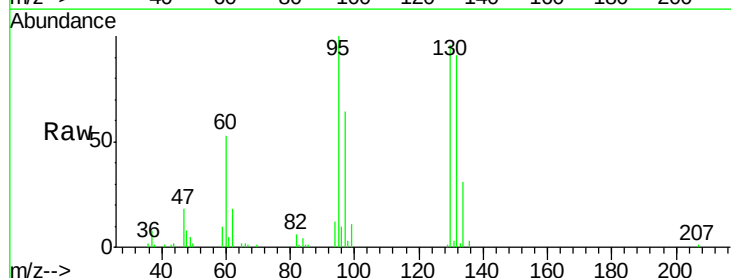
Acq: 15 May 2020 21:22

Tgt Ion:130 Resp: 43143

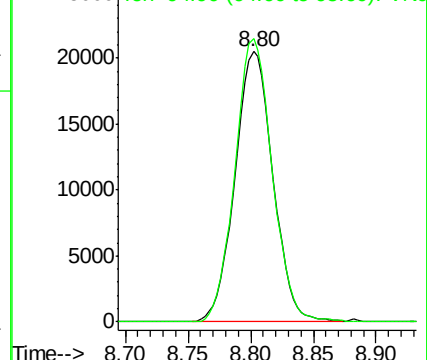
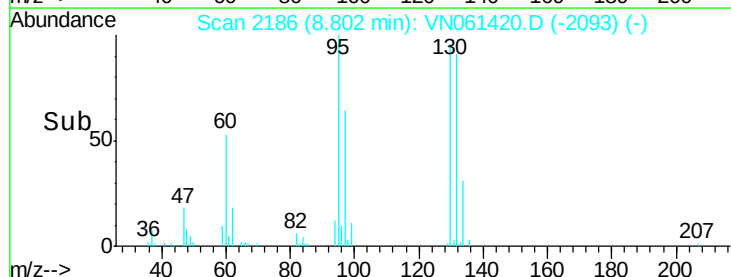
Ion Ratio Lower Upper

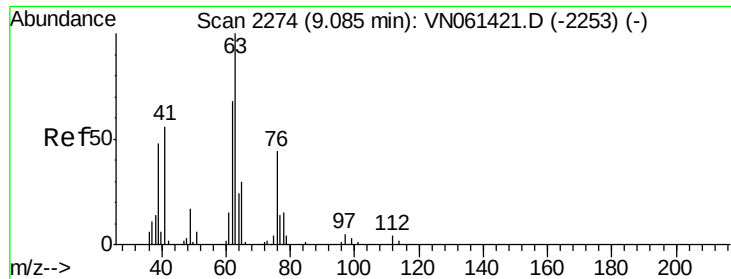
130 100

95 104.6 0.0 214.8



Abundance Ion 129.80 (129.50 to 130.50): VN061420.D (-2093) (-)

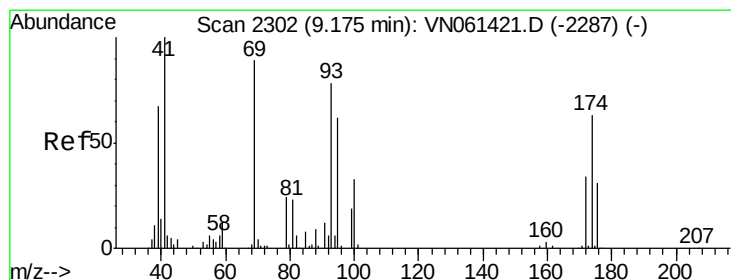
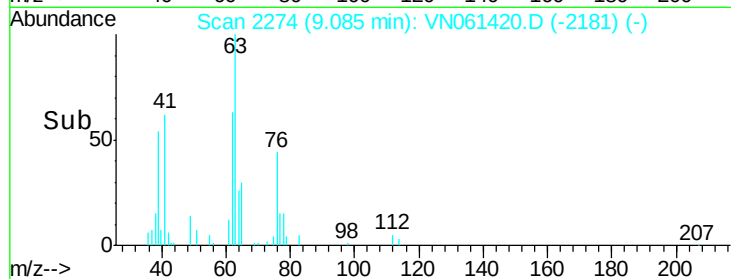
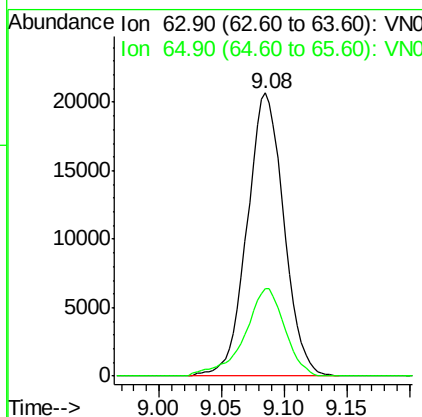
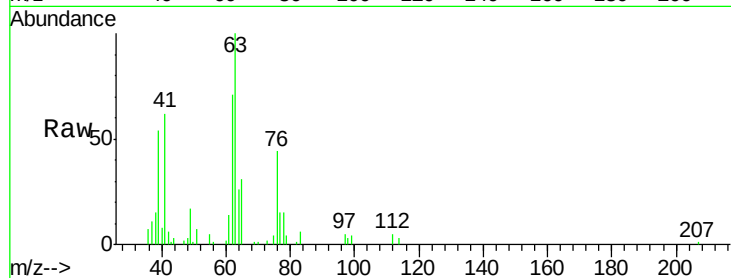




#45
 1,2-Dichloropropane
 Concen: 18.175 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

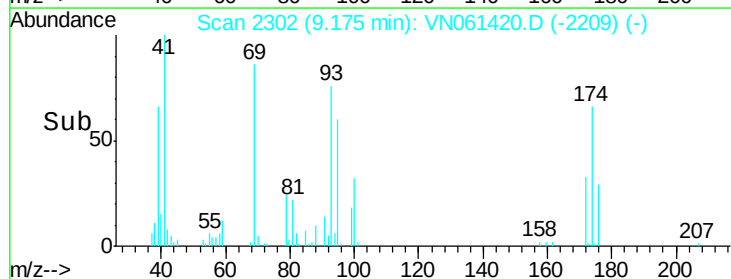
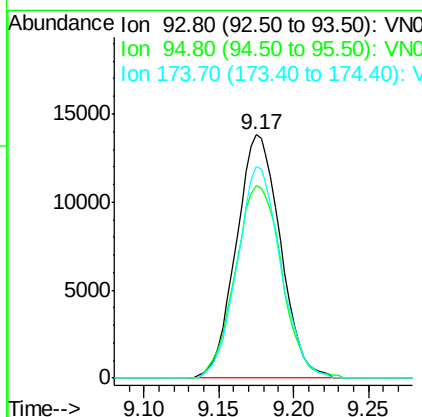
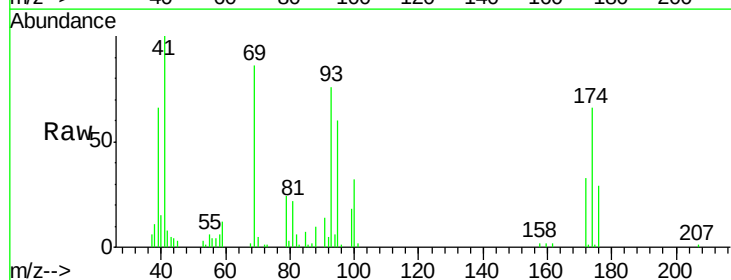
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

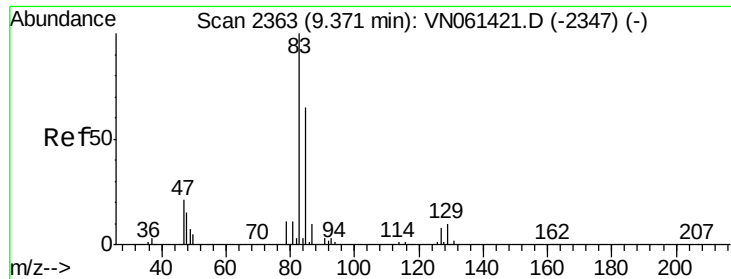
Tot Ion: 63 Resp: 42254
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.9 35.9



#46
 Dibromomethane
 Concen: 19.570 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion: 93 Resp: 28436
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.3 97.9
 174 85.1 66.2 99.2

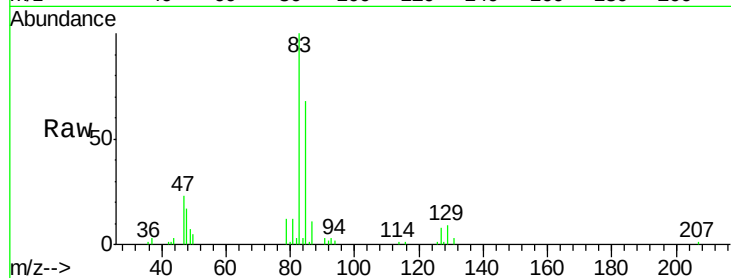




#47
Bromodichloromethane
Concen: 19.209 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

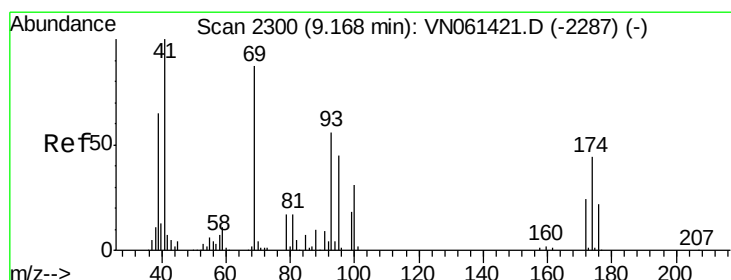
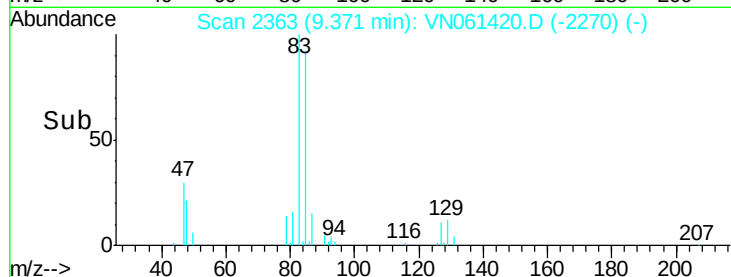
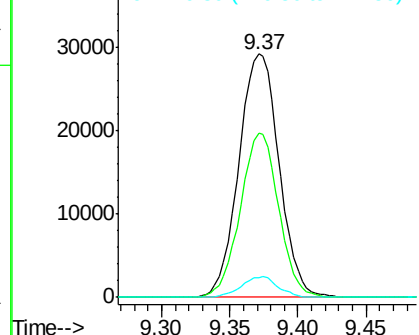
Tot Ion	83	Resp	59857
Ion Ratio	100		
85	67.6	52.1	78.1
127	8.3	6.3	9.5



Abundance Ion 82.90 (82.60 to 83.60): VN061420.D (-2270) (-)

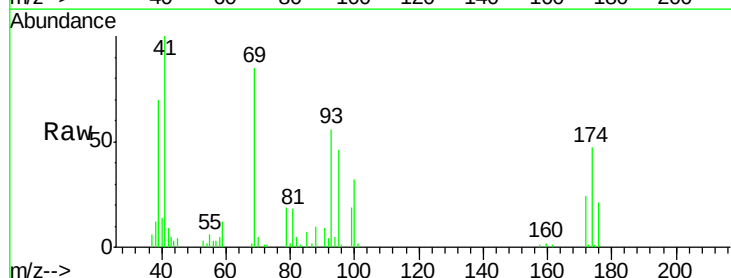
Ion 84.90 (84.60 to 85.60): VN061420.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061420.D (-2270) (-)



#48
Methyl methacrylate
Concen: 15.825 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

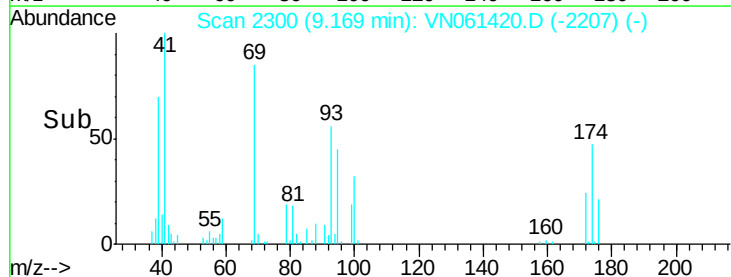
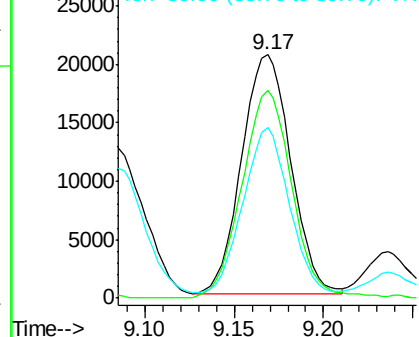
Tgt Ion	41	Resp	39520
Ion Ratio	100		
69	88.2	71.1	106.7
39	68.3	54.8	82.2

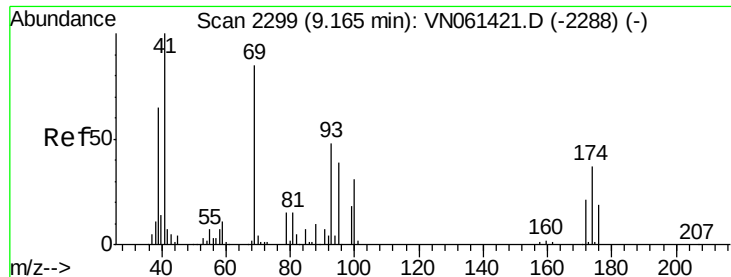


Abundance Ion 41.00 (40.70 to 41.70): VN061420.D (-2207) (-)

Ion 69.00 (68.70 to 69.70): VN061420.D (-2207) (-)

Ion 39.00 (38.70 to 39.70): VN061420.D (-2207) (-)

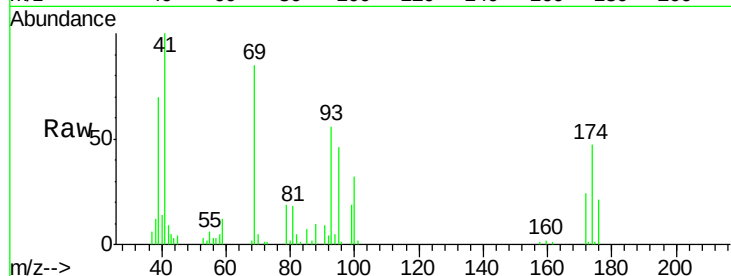




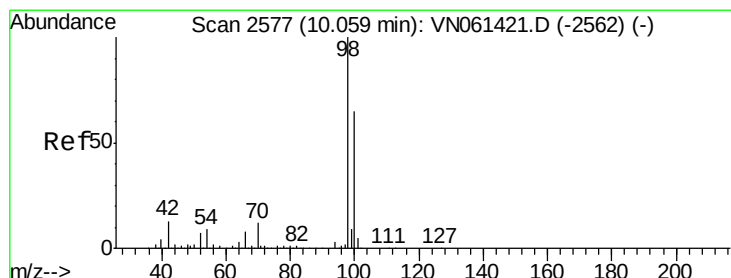
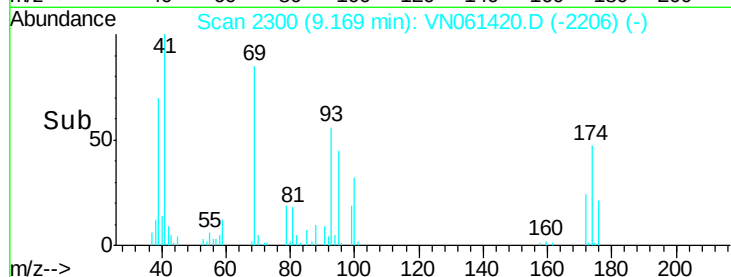
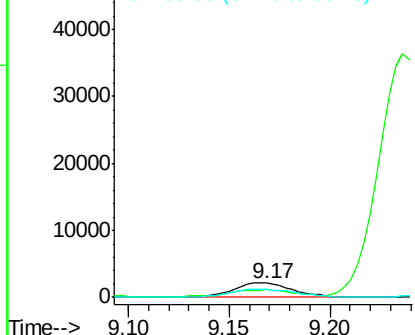
#49
1,4-Dioxane
Concen: 160.809 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 4308
Ion Ratio Lower Upper
88 100
43 62.1 38.9 58.3#
58 65.0 55.5 83.3

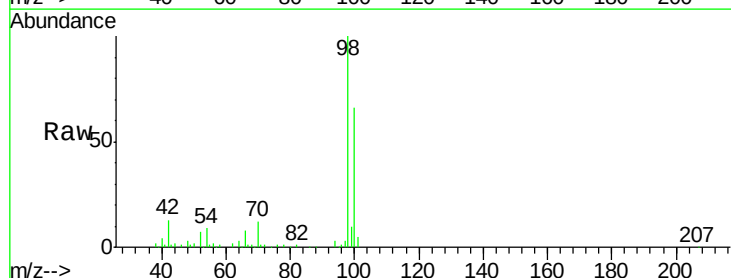


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

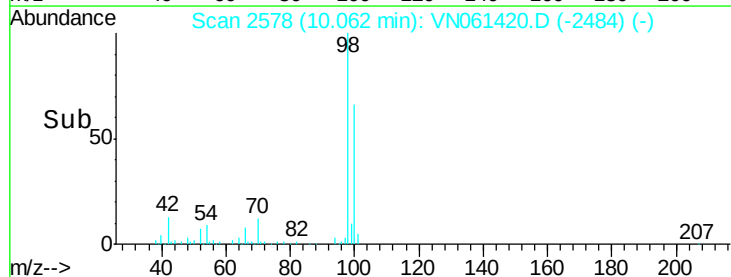
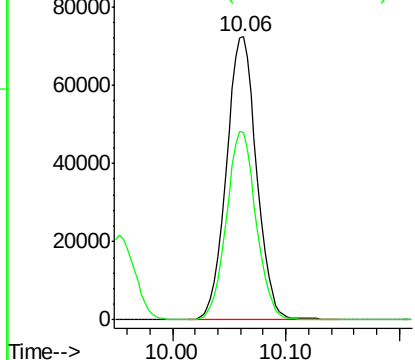


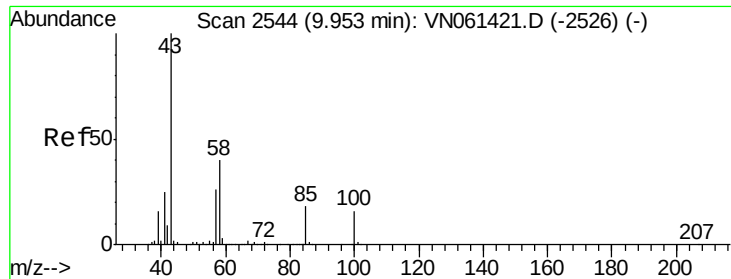
#50
Toluene-d8
Concen: 18.699 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion: 98 Resp: 134128
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



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

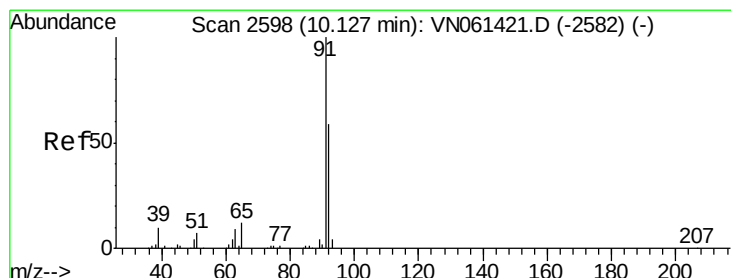
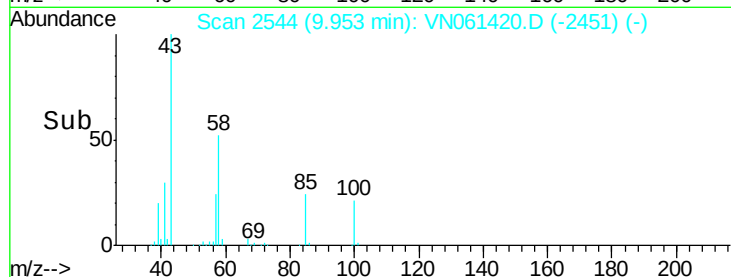
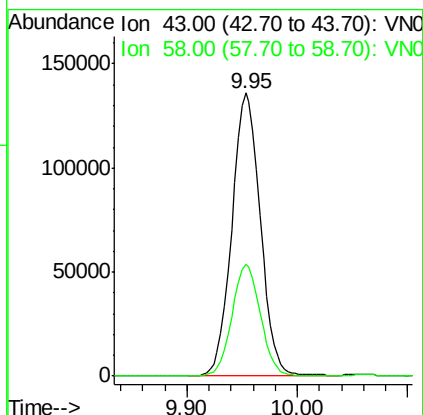
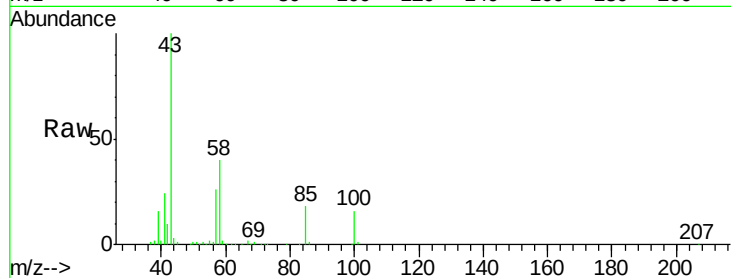




#51
 4-Methyl-2-Pentanone
 Concen: 75.786 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

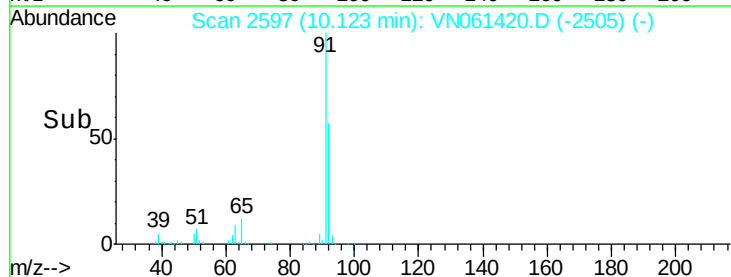
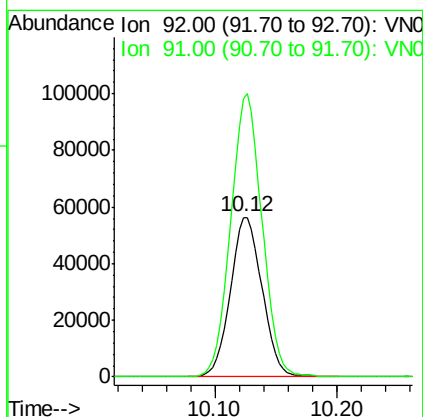
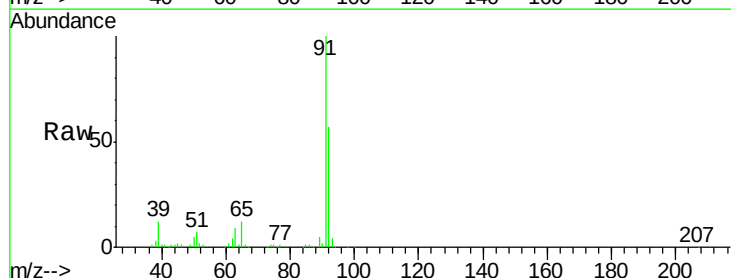
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

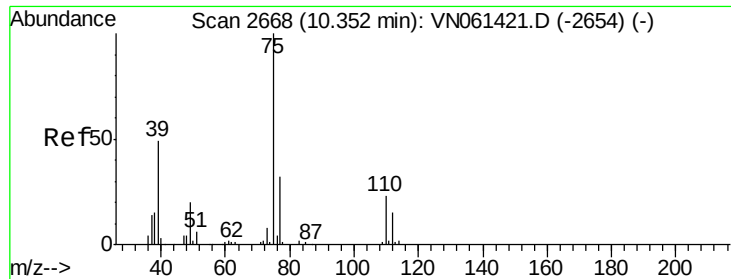
Tot Ion: 43 Resp: 243958
 Ion Ratio Lower Upper
 43 100
 58 39.3 32.2 48.4



#52
 Toluene
 Concen: 19.134 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion: 92 Resp: 101857
 Ion Ratio Lower Upper
 92 100
 91 174.9 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 18.451 ug/l

RT: 10.35 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampled :

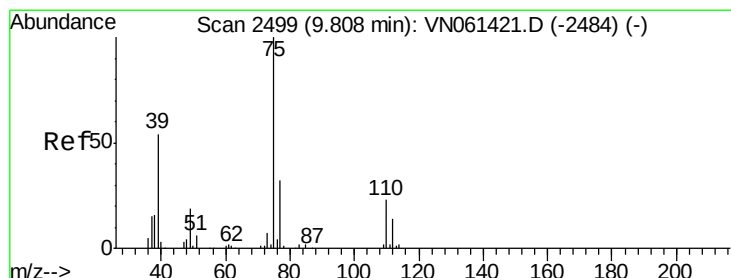
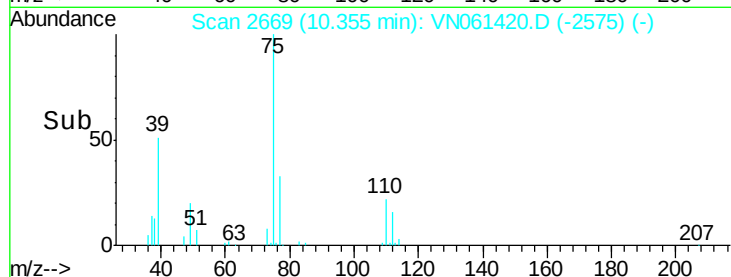
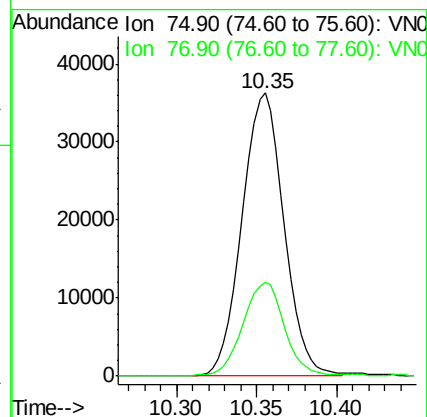
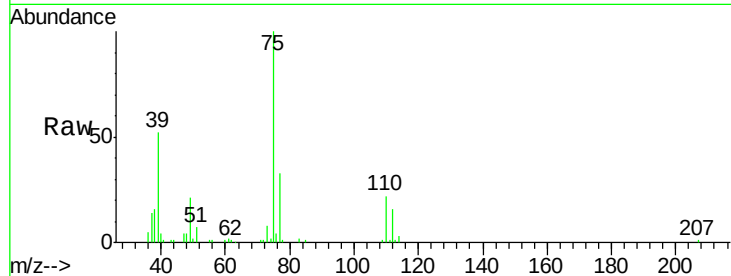
VSTDIC020

Tot Ion: 75 Resp: 64792

Ion Ratio Lower Upper

75 100

77 33.1 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 18.469 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

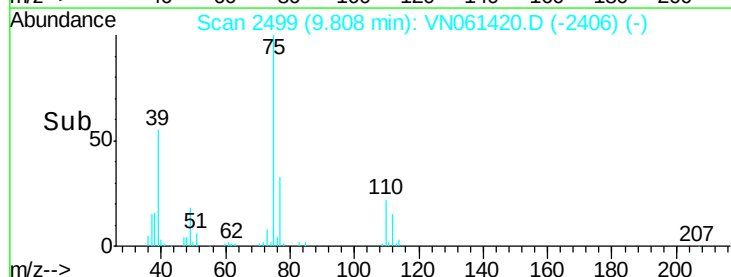
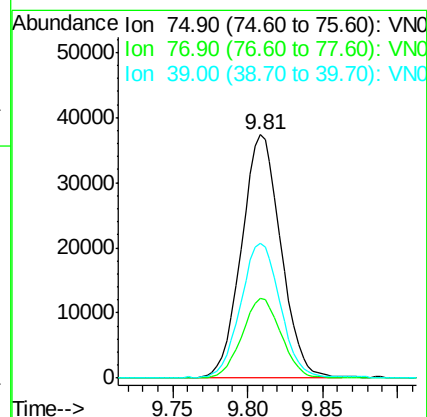
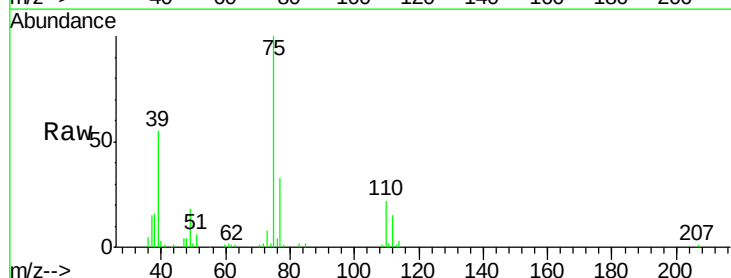
Tgt Ion: 75 Resp: 68498

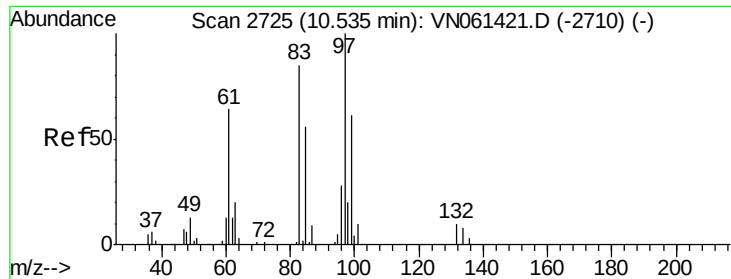
Ion Ratio Lower Upper

75 100

77 32.7 26.0 39.0

39 55.2 43.0 64.6

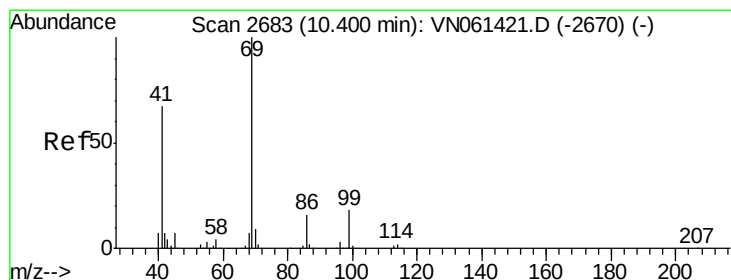
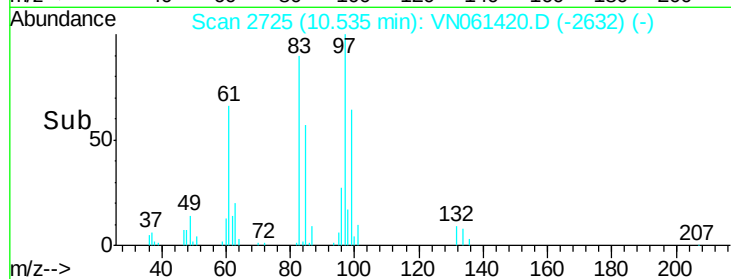
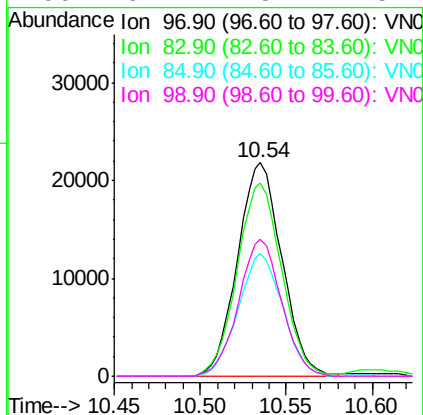
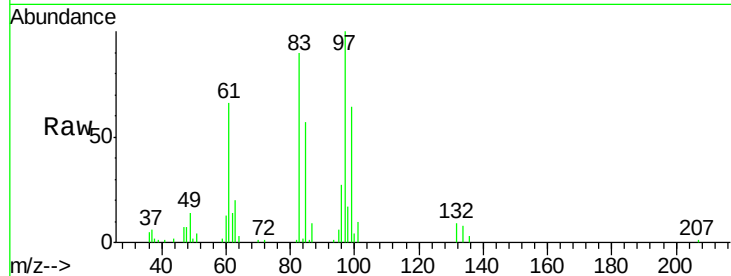




#55
 1,1,2-Trichloroethane
 Concen: 18.527 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

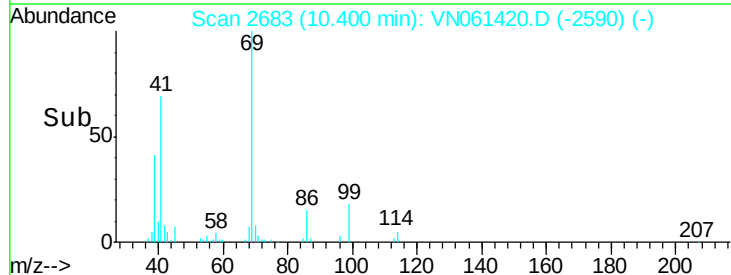
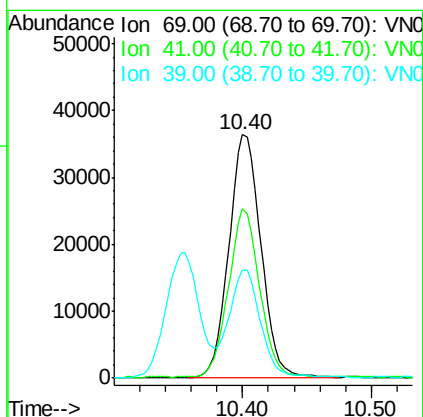
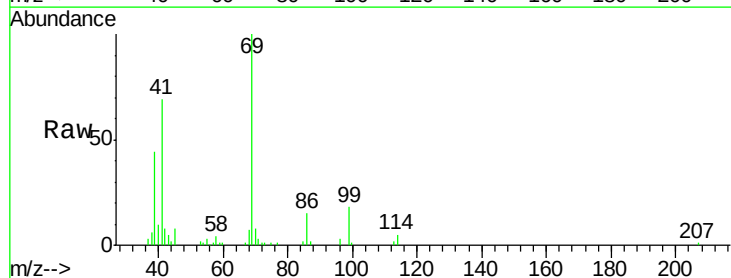
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

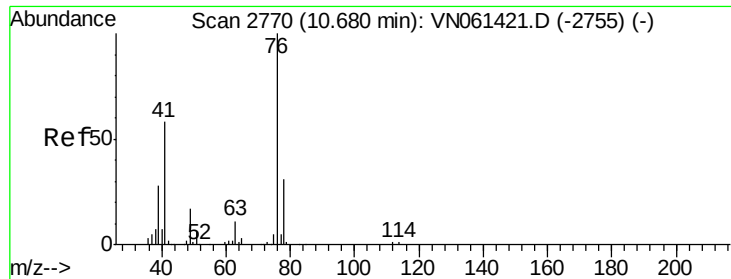
Tot Ion: 97 Resp: 39079
 Ion Ratio Lower Upper
 97 100
 83 90.4 67.7 101.5
 85 57.3 44.6 66.8
 99 64.2 48.7 73.1



#56
 Ethyl methacrylate
 Concen: 19.812 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion: 69 Resp: 63023
 Ion Ratio Lower Upper
 69 100
 41 69.0 51.6 77.4
 39 43.3 32.9 49.3





#57

1,3-Dichloropropane

Concen: 18.641 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampleId :

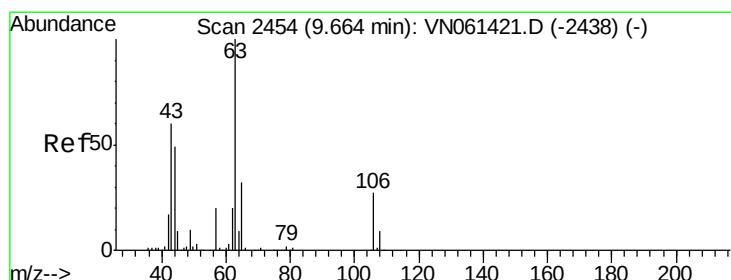
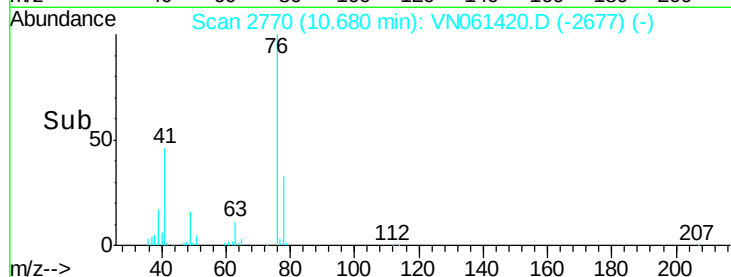
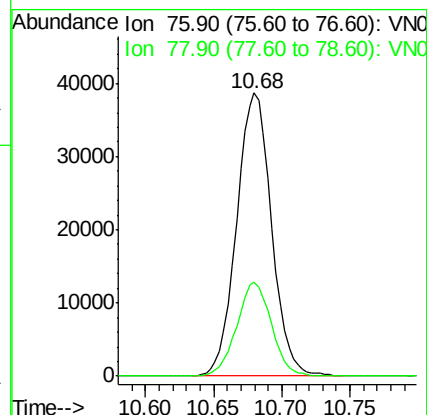
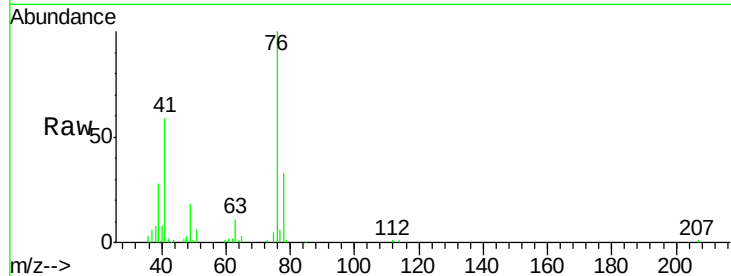
VSTDIC020

Tot Ion: 76 Resp: 68723

Ion Ratio Lower Upper

76 100

78 32.9 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 81.732 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061420.D

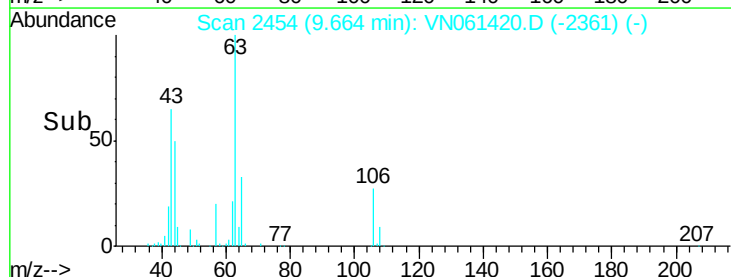
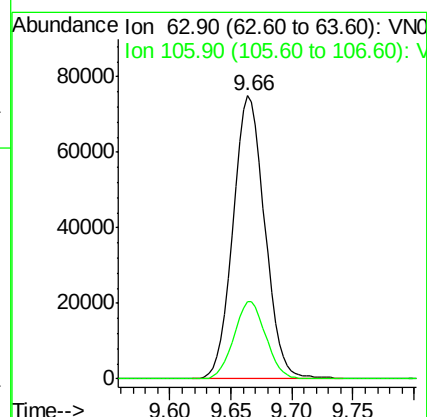
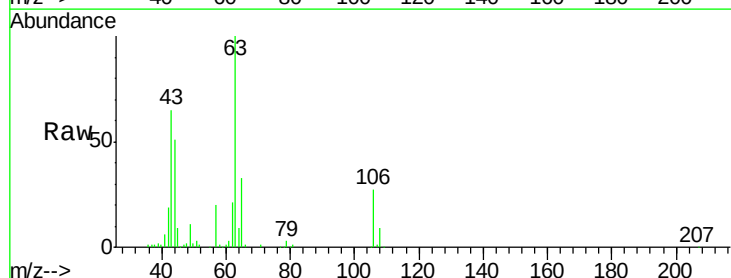
Acq: 15 May 2020 21:22

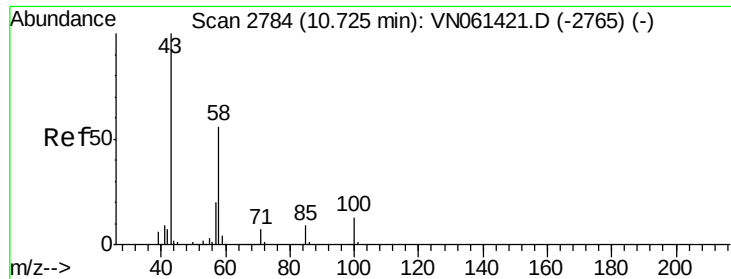
Tgt Ion: 63 Resp: 136249

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5

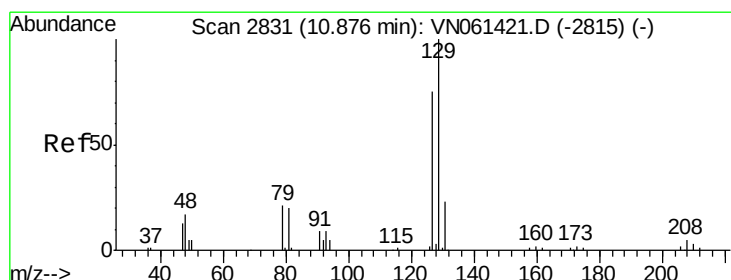
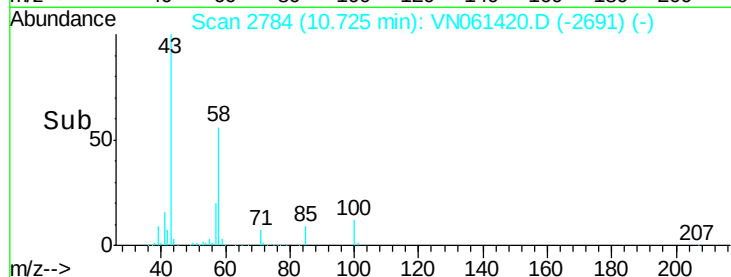
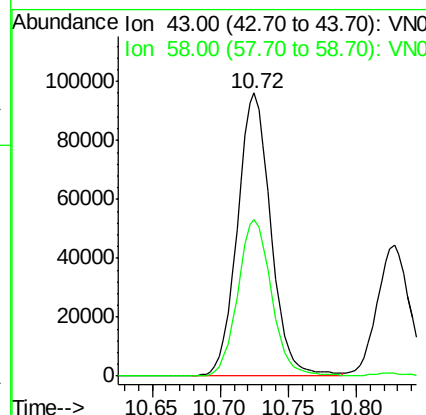
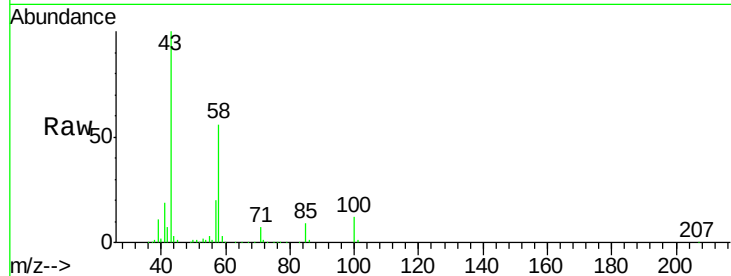




#59
2-Hexanone
Concen: 70.025 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

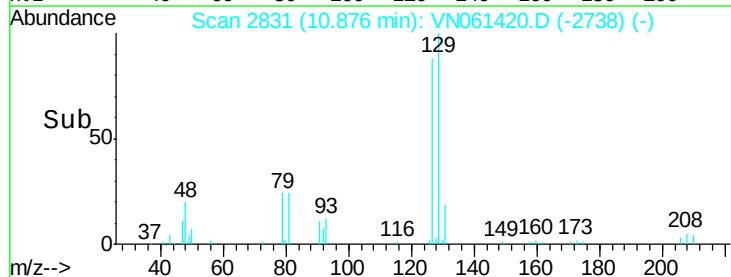
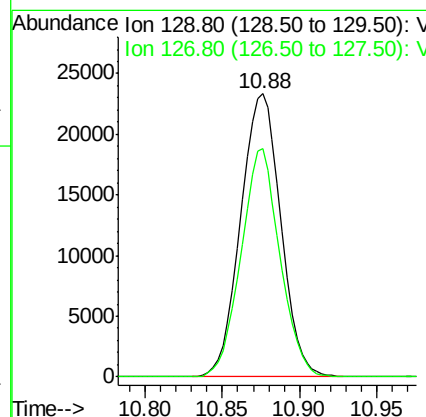
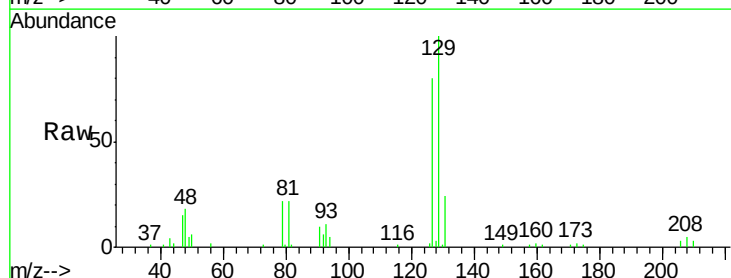
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

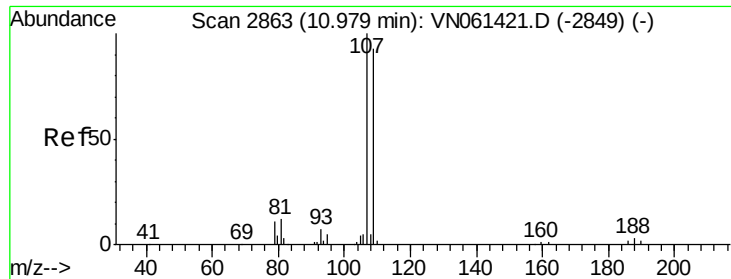
Tot Ion: 43 Resp: 162494
Ion Ratio Lower Upper
43 100
58 56.2 27.9 83.7



#60
Dibromochloromethane
Concen: 18.946 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion: 129 Resp: 42121
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.3

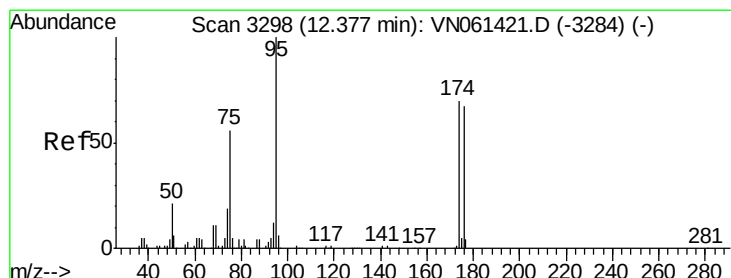
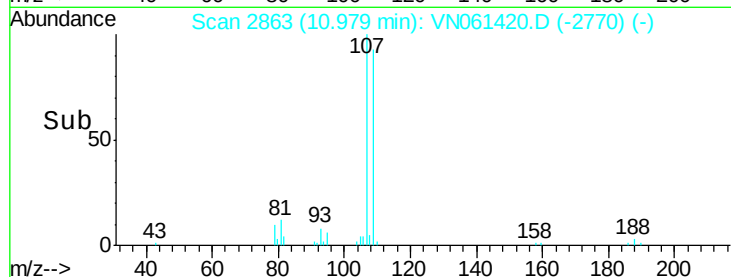
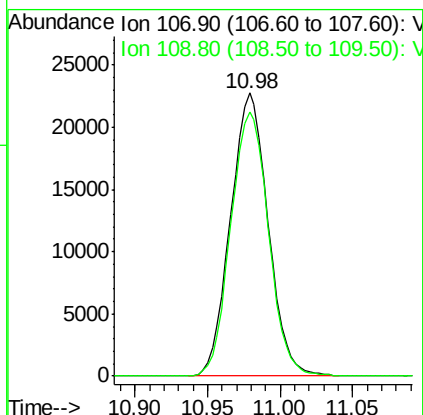
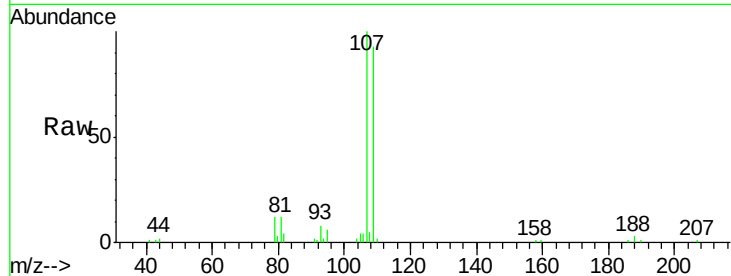




#61
 1,2-Dibromoethane
 Concen: 19.367 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

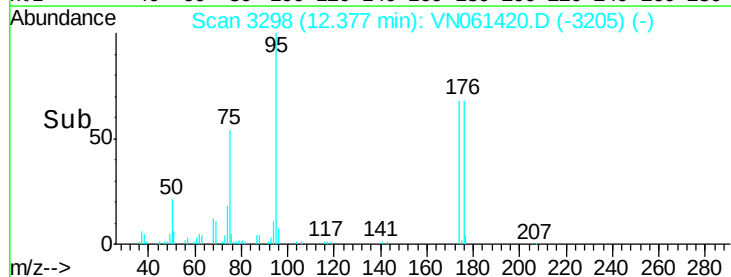
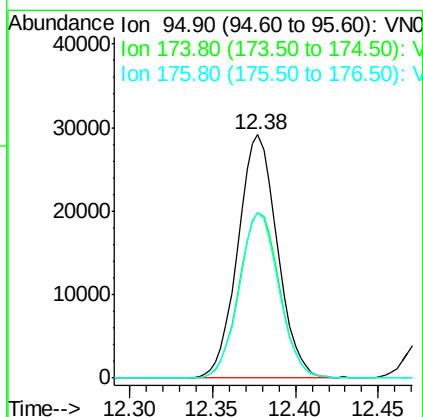
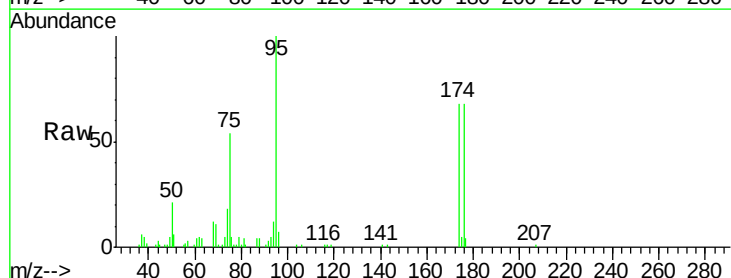
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

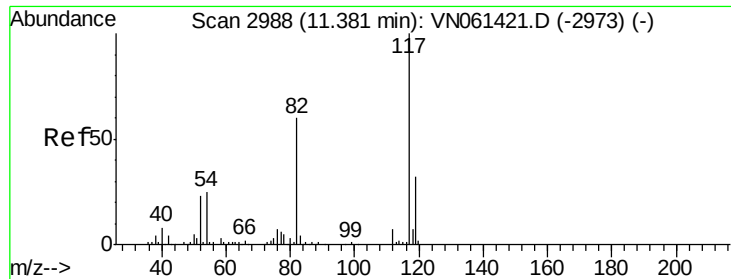
Tot Ion: 107 Resp: 40990
 Ion Ratio Lower Upper
 107 100
 109 94.0 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 17.871 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion: 95 Resp: 48260
 Ion Ratio Lower Upper
 95 100
 174 69.6 0.0 140.4
 176 68.2 0.0 134.0

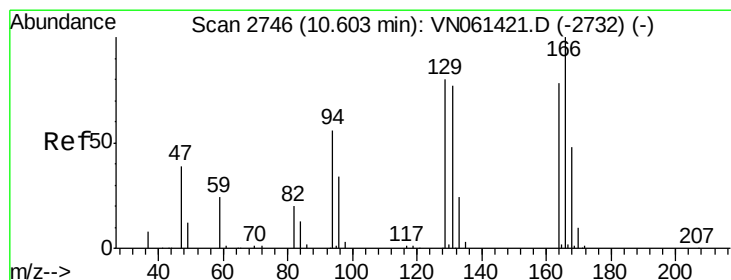
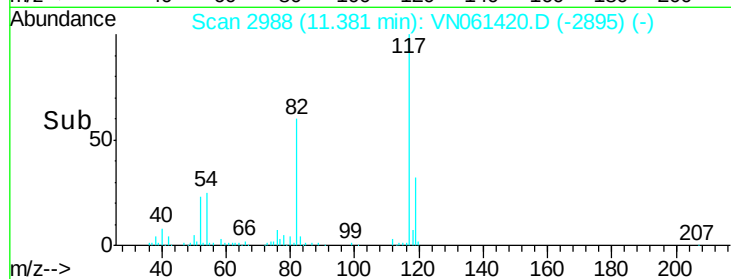
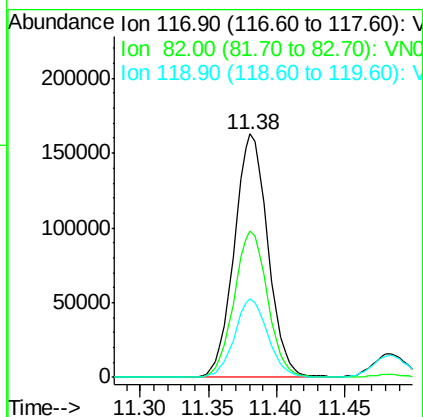
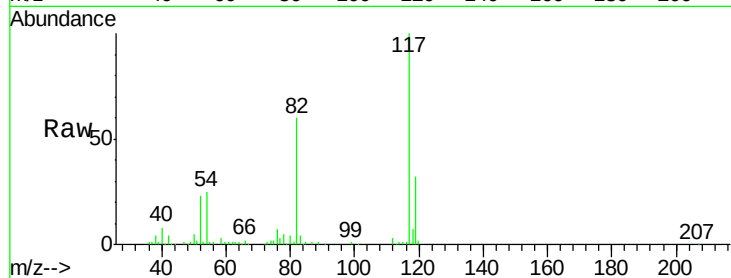




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

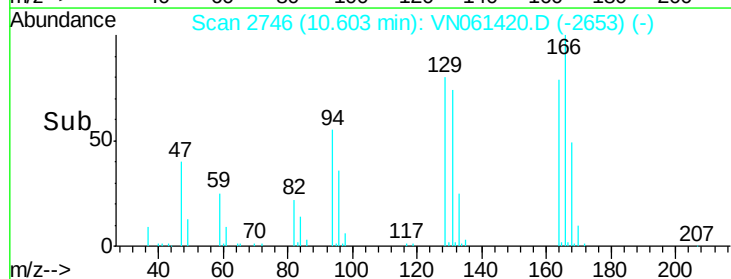
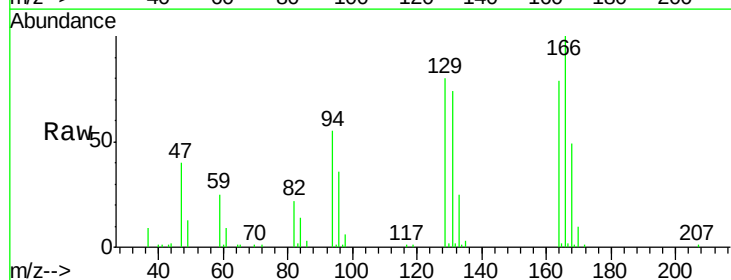
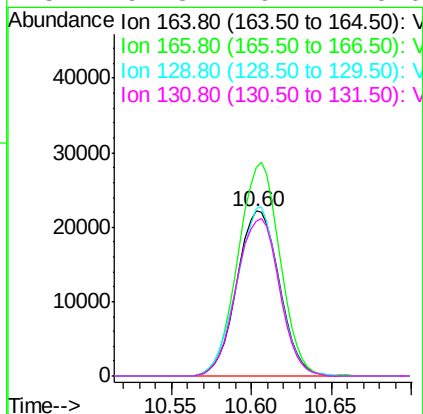
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

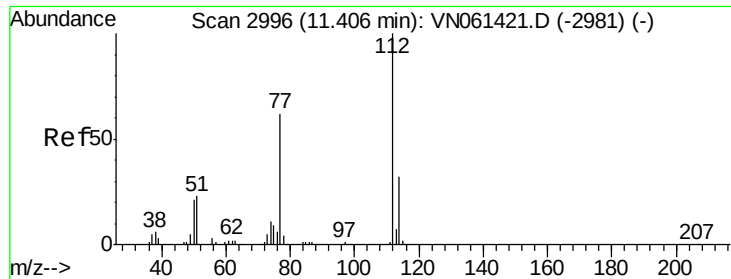
Tot Ion:117 Resp: 279110
Ion Ratio Lower Upper
117 100
82 60.1 47.7 71.5
119 32.1 25.3 37.9



#64
Tetrachloroethene
Concen: 16.990 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion:164 Resp: 40320
Ion Ratio Lower Upper
164 100
166 127.0 102.6 154.0
129 101.9 81.9 122.9
131 94.3 79.4 119.0

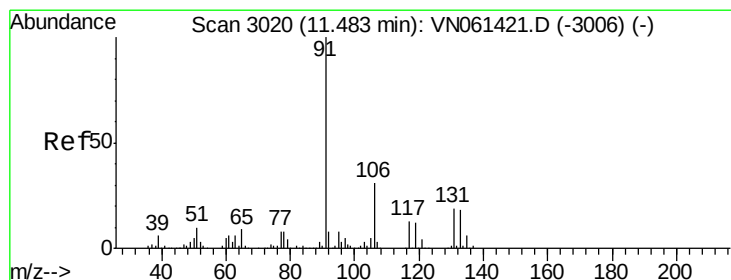
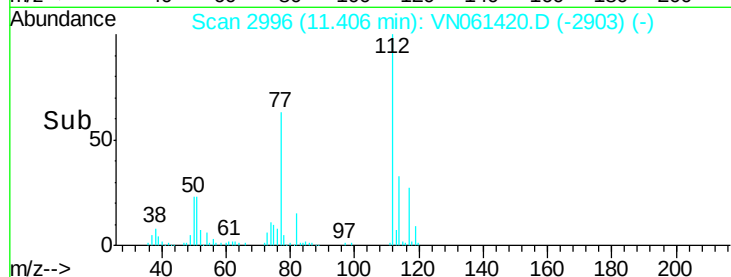
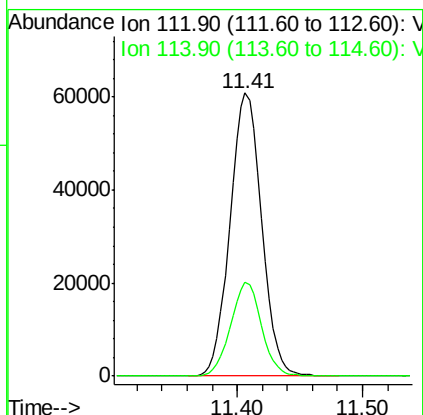
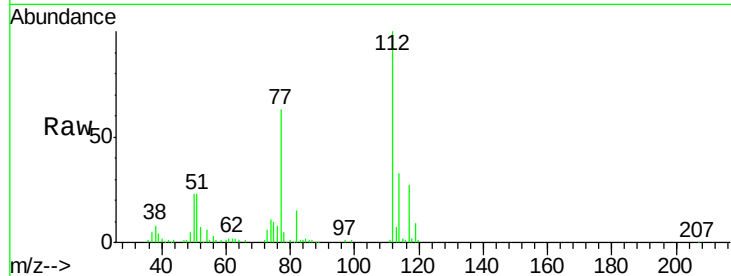




#65
Chlorobenzene
Concen: 19.178 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

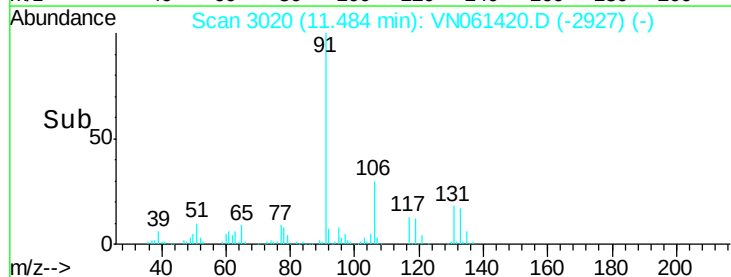
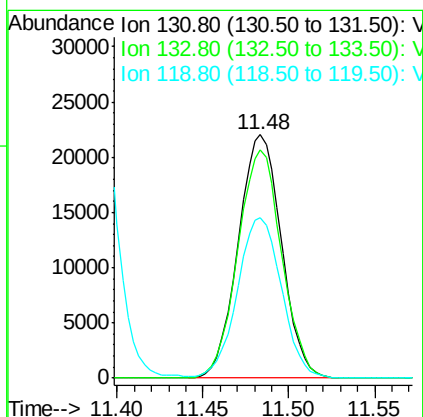
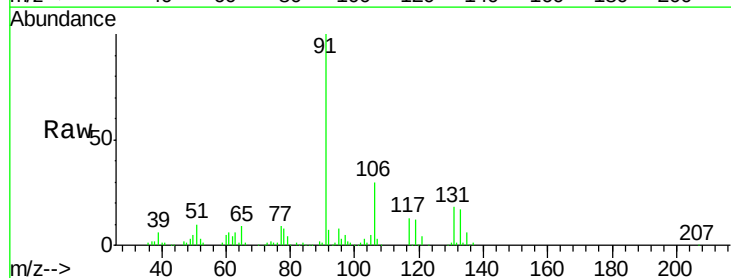
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

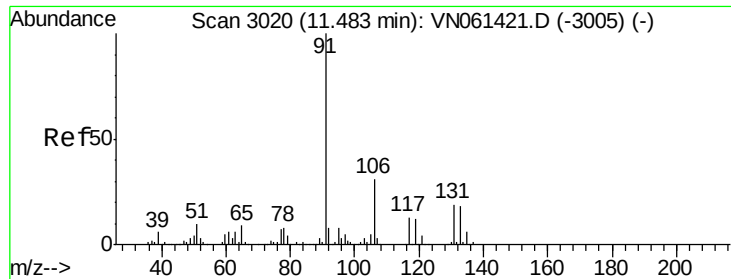
Tot Ion:112 Resp: 106351
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.348 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion:131 Resp: 38503
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.5
119 67.4 33.0 98.9

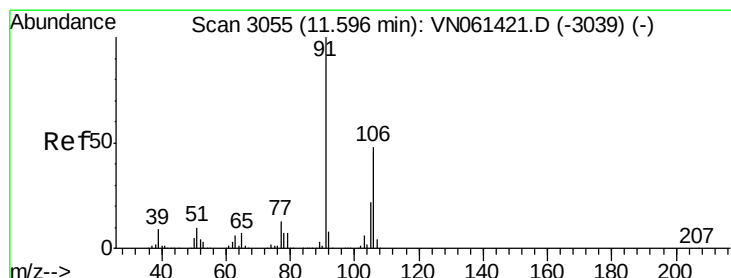
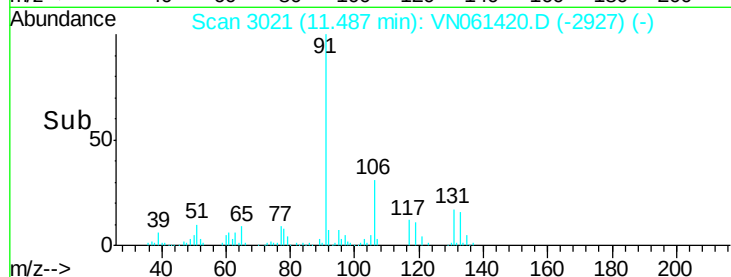
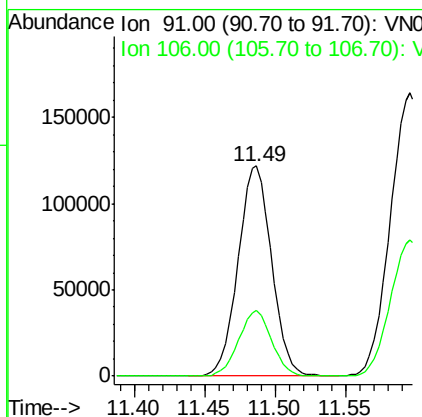
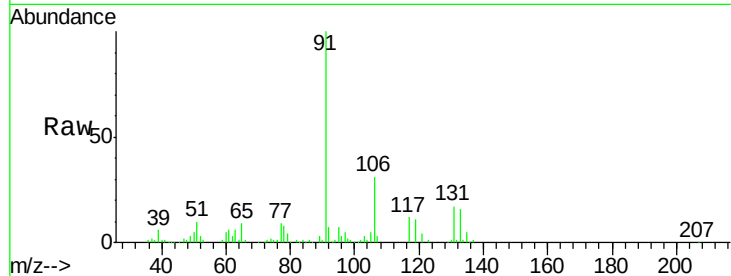




#67
Ethyl Benzene
Concen: 19.531 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

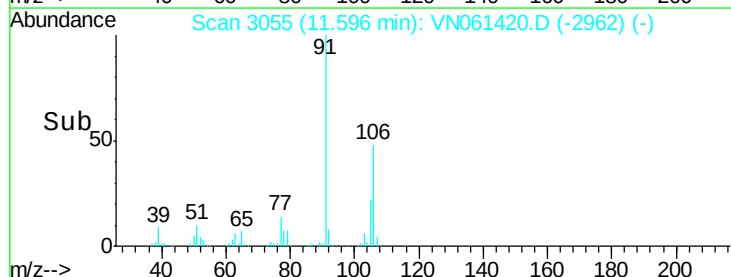
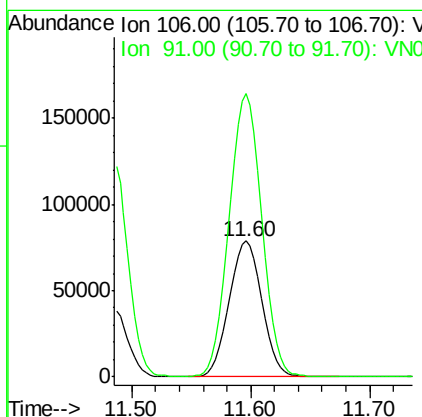
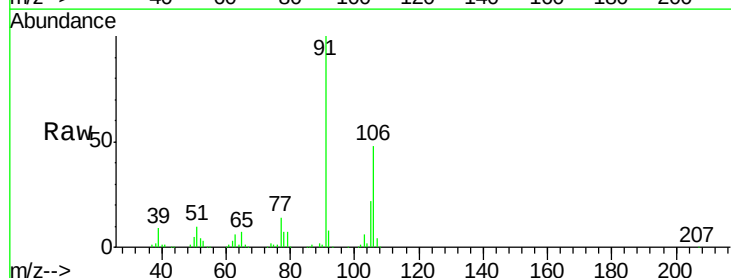
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

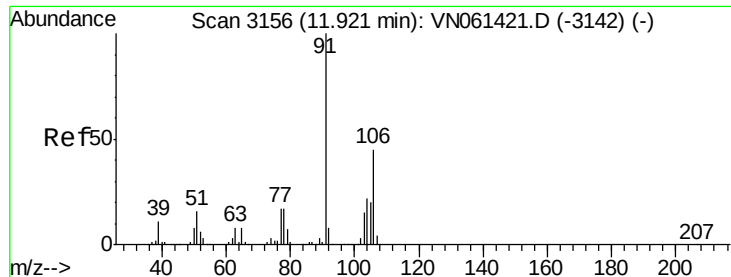
Tot Ion: 91 Resp: 202840
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2



#68
m/p-Xylenes
Concen: 39.521 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion: 106 Resp: 150687
Ion Ratio Lower Upper
106 100
91 208.0 167.4 251.2

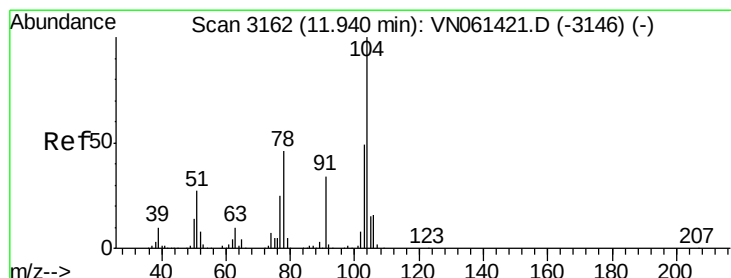
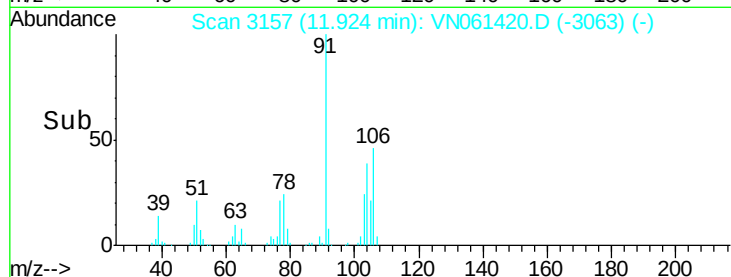
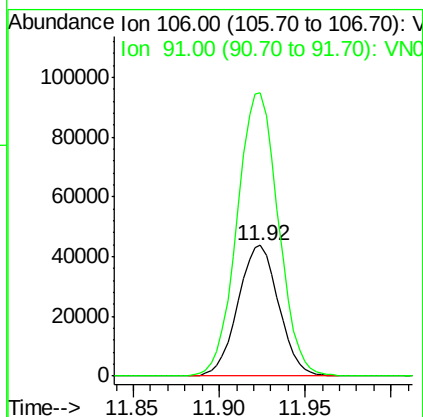
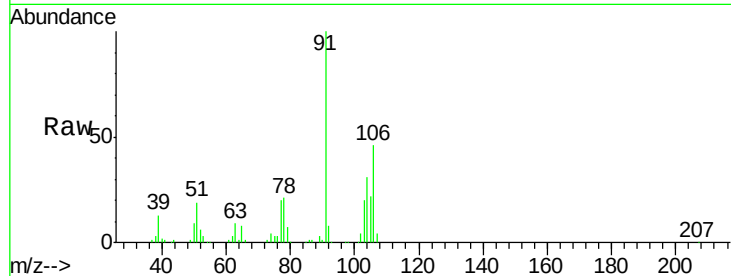




#69
o-Xylene
Concen: 19.773 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

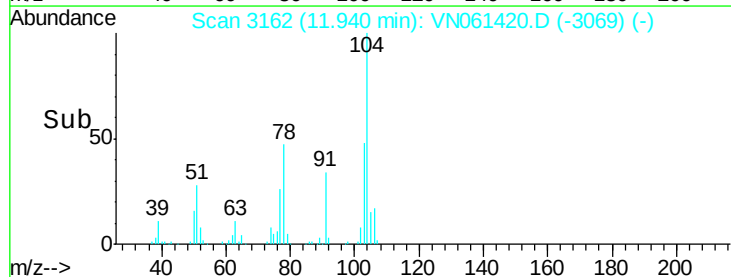
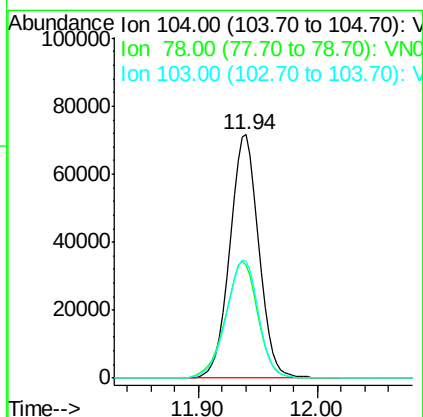
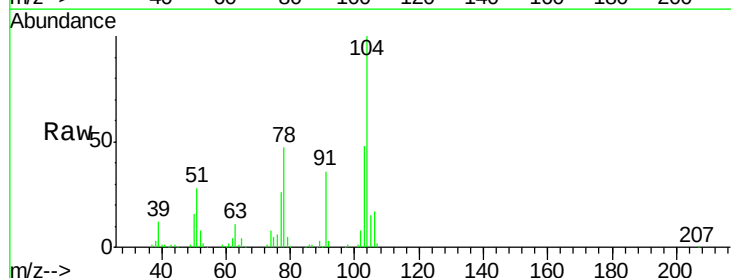
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

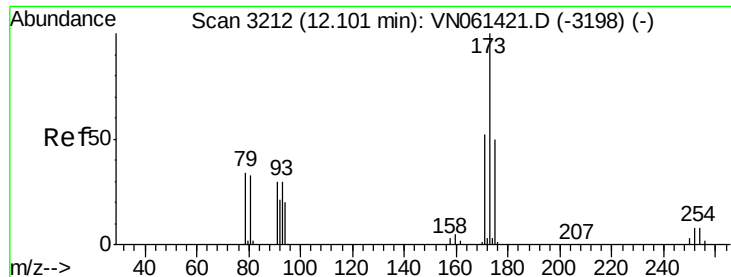
Tot Ion:106 Resp: 72421
Ion Ratio Lower Upper
106 100
91 219.4 109.7 329.2



#70
Styrene
Concen: 19.621 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion:104 Resp: 120754
Ion Ratio Lower Upper
104 100
78 53.5 41.8 62.8
103 54.0 42.9 64.3





#71

Bromoform

Concen: 18.345 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

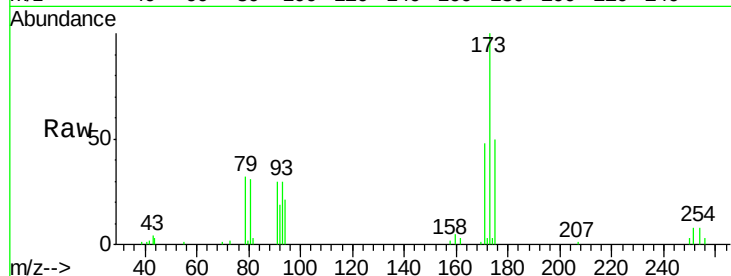
Tot Ion:173 Resp: 26465

Ion Ratio Lower Upper

173 100

175 47.5 24.1 72.4

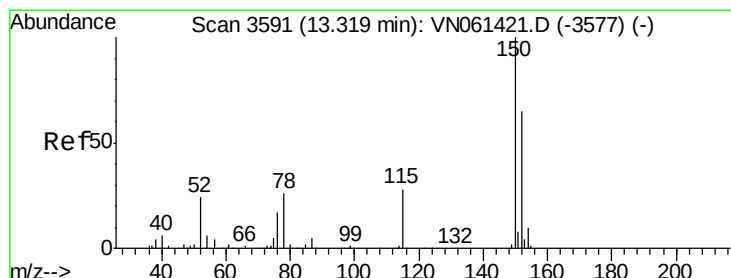
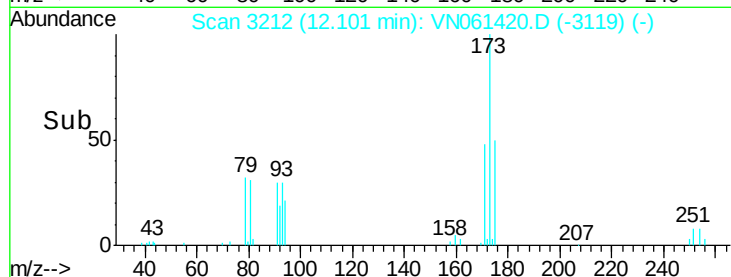
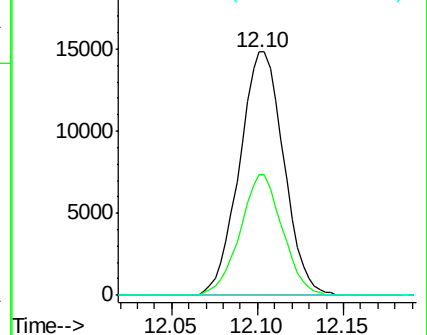
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

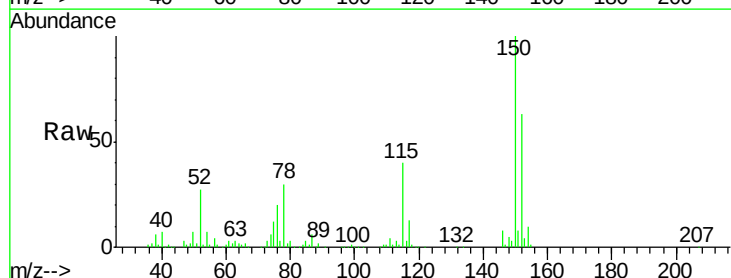
Tgt Ion:152 Resp: 124487

Ion Ratio Lower Upper

152 100

115 63.3 30.9 92.7

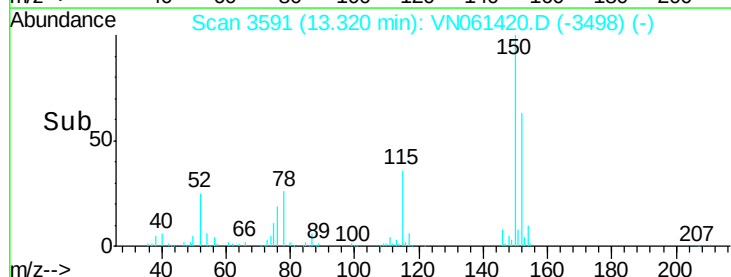
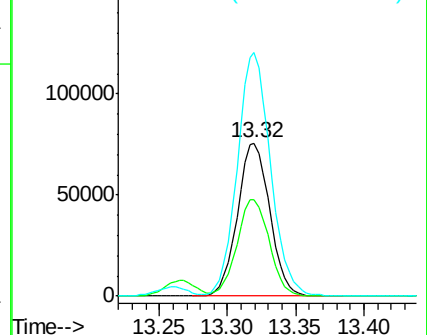
150 163.8 0.0 344.4

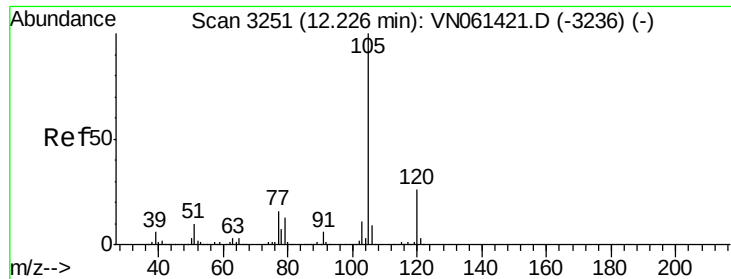


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

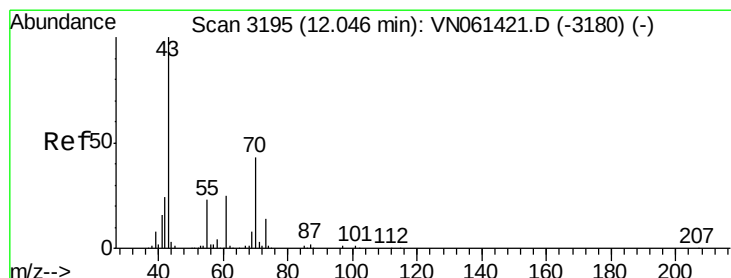
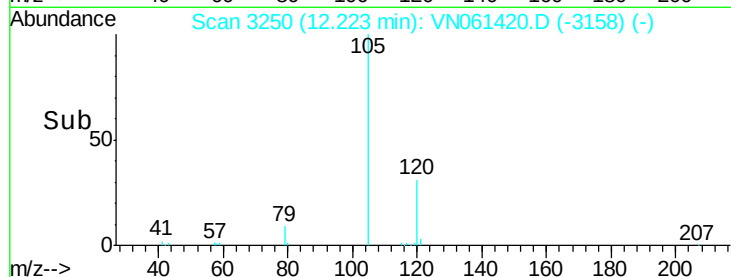
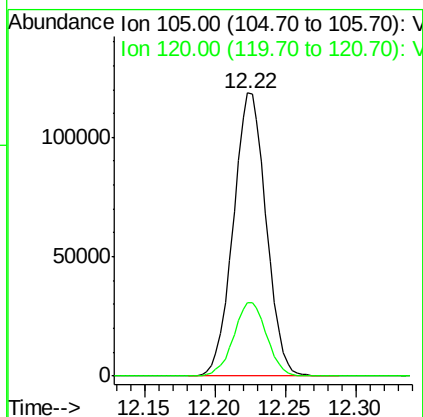
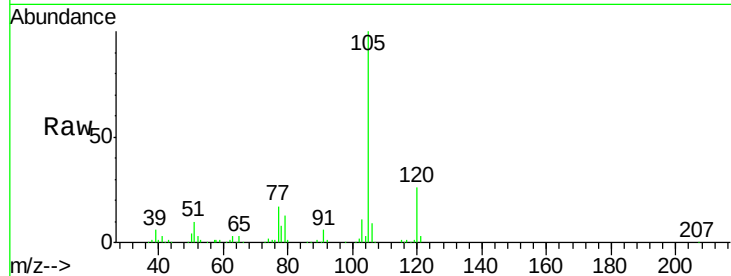




#73
Isopropylbenzene
Concen: 20.992 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

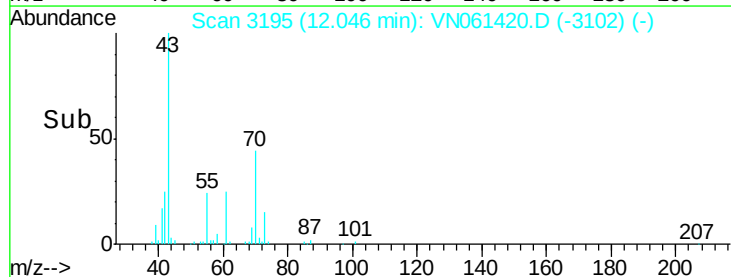
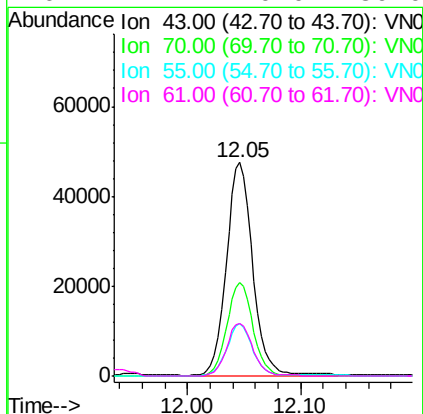
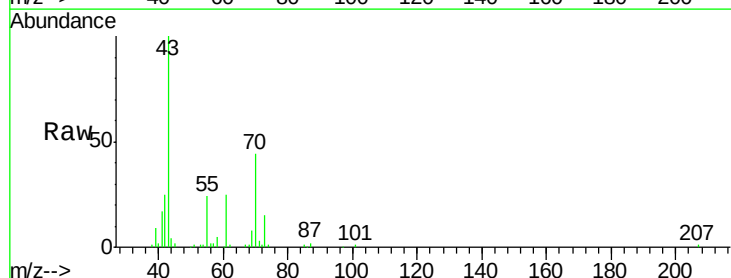
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

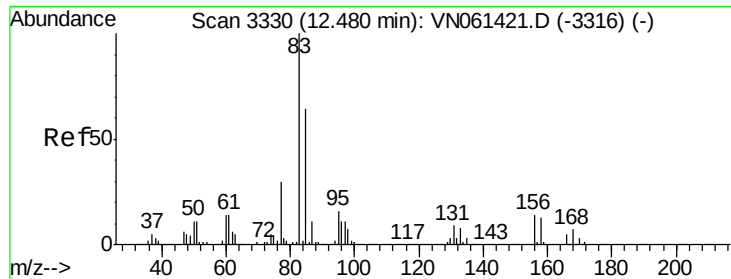
Tot Ion:105 Resp: 193262
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.1



#74
N-ethyl acetate
Concen: 17.253 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061420.D
Acq: 15 May 2020 21:22

Tgt Ion: 43 Resp: 77343
Ion Ratio Lower Upper
43 100
70 43.3 34.8 52.2
55 24.0 19.0 28.6
61 24.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.344 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

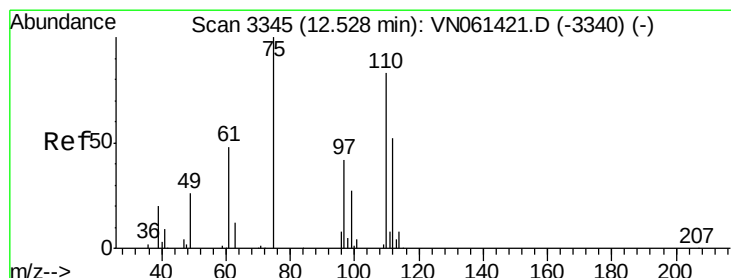
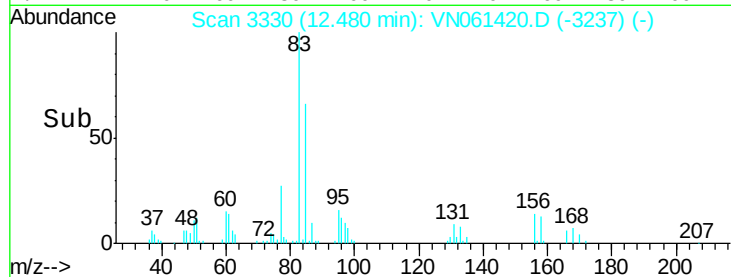
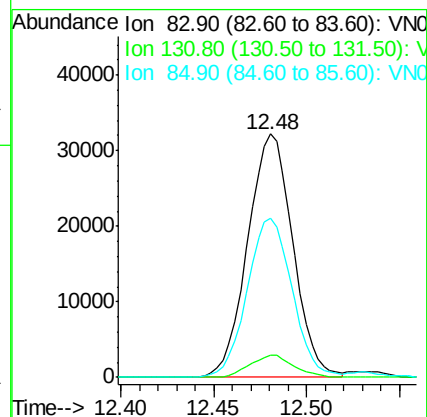
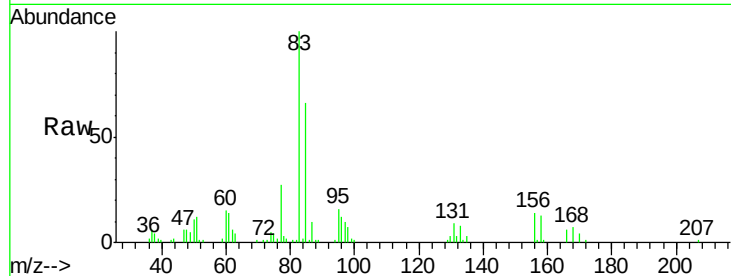
Tot Ion: 83 Resp: 54436

Ion Ratio Lower Upper

83 100

131 8.7 4.8 14.4

85 64.9 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 21.019 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061420.D

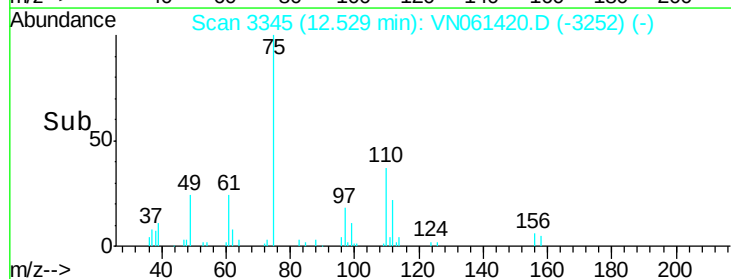
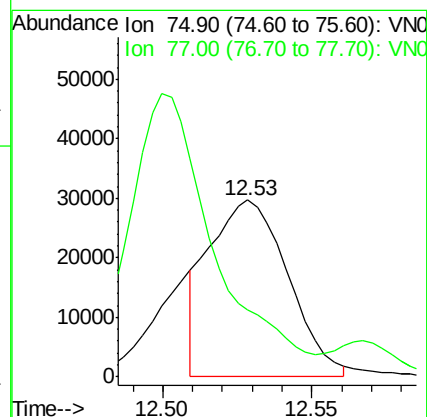
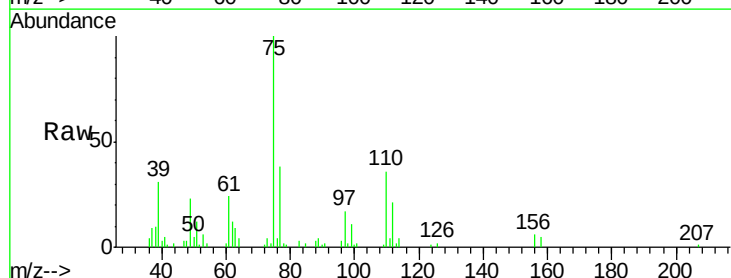
Acq: 15 May 2020 21:22

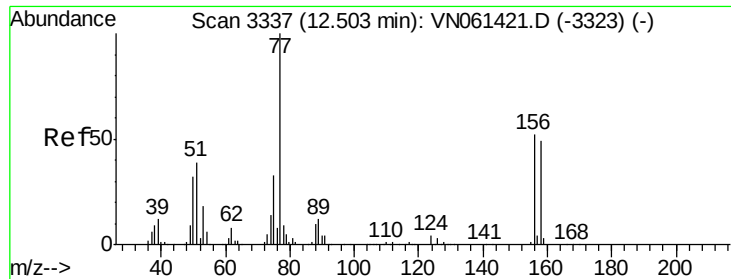
Tgt Ion: 75 Resp: 54463

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.839 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

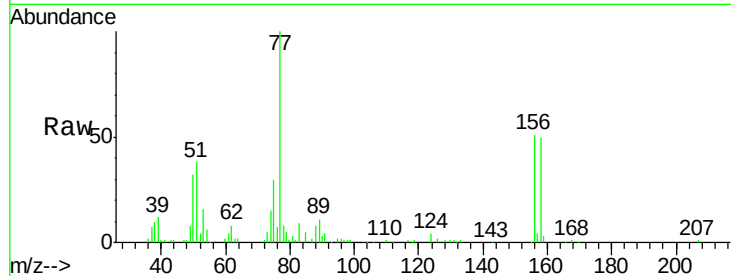
Tot Ion:156 Resp: 41718

Ion Ratio Lower Upper

156 100

77 229.5 115.8 347.3

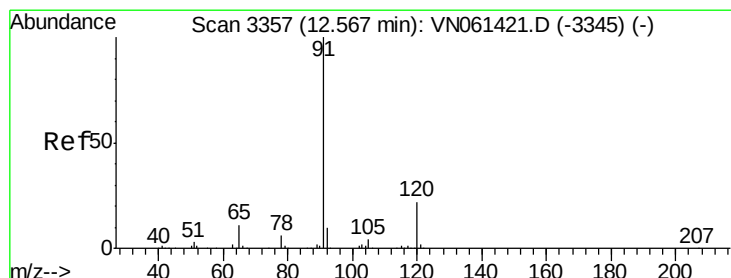
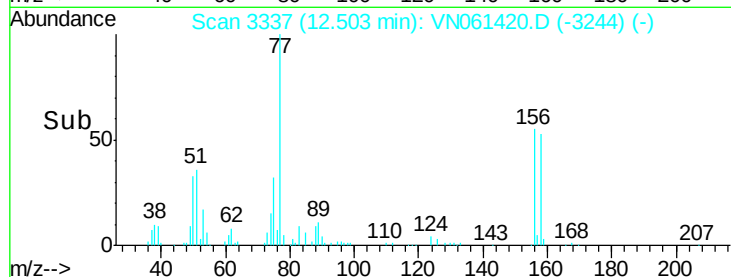
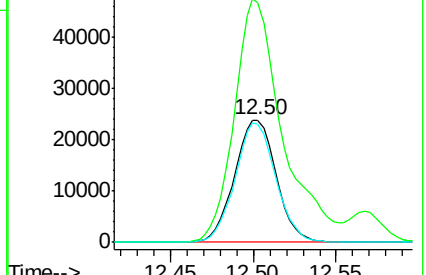
158 95.2 47.4 142.3



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: 20.640 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061420.D

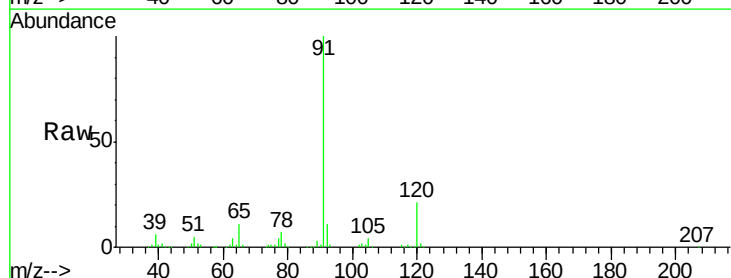
Acq: 15 May 2020 21:22

Tgt Ion: 91 Resp: 224646

Ion Ratio Lower Upper

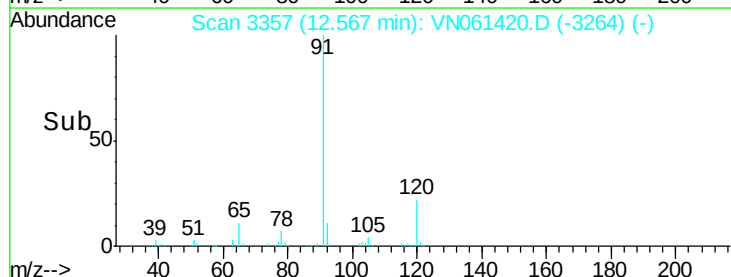
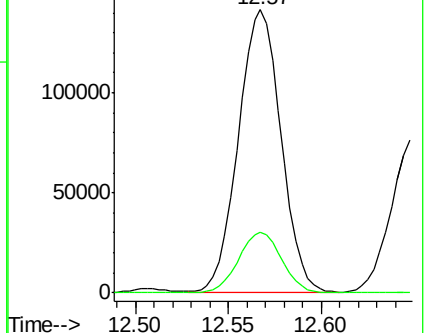
91 100

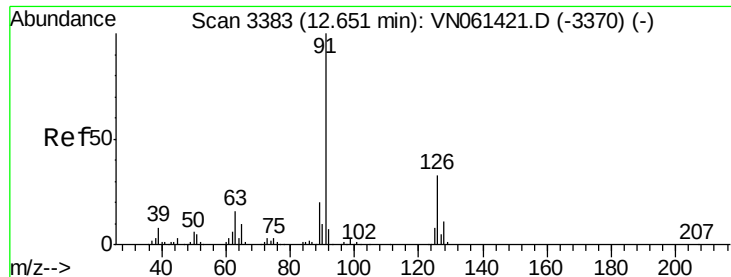
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

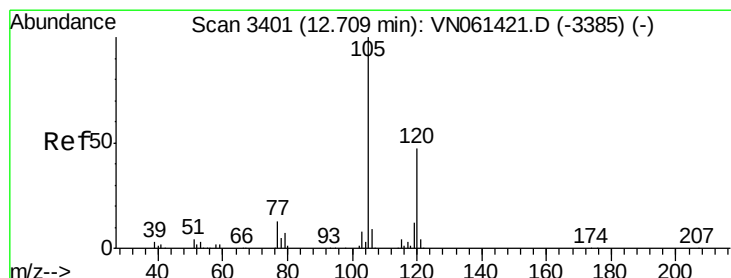
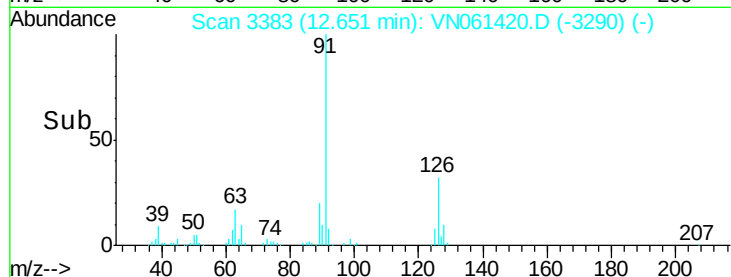
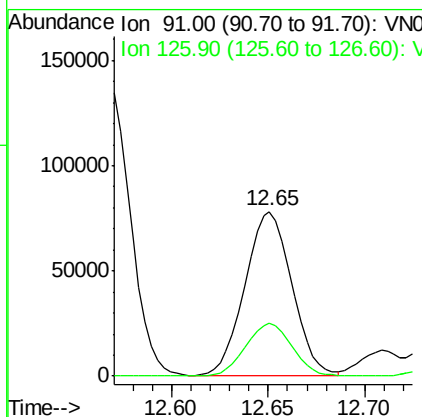
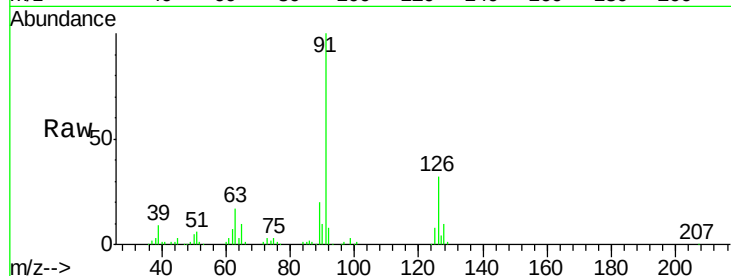




#79
 2-Chlorotoluene
 Concen: 20.527 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

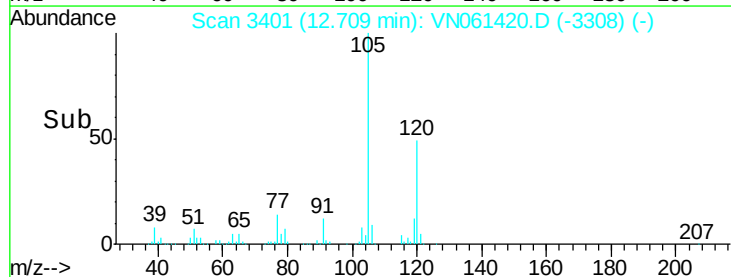
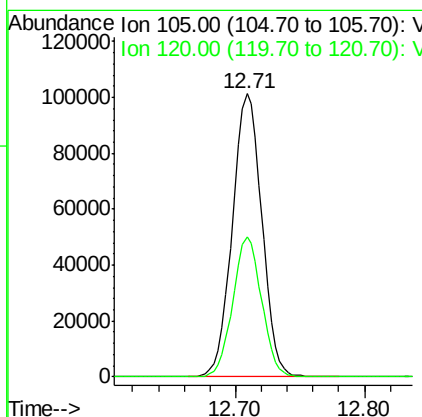
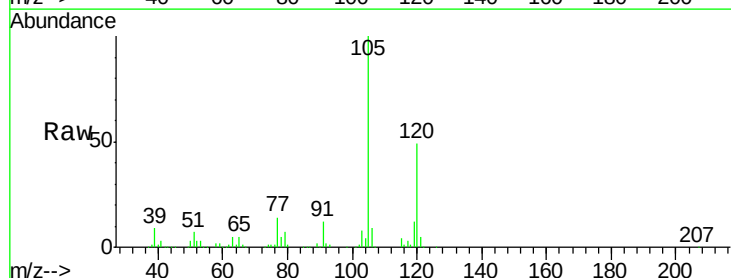
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

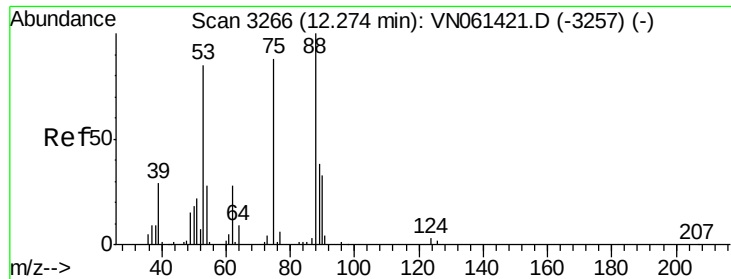
Tot Ion: 91 Resp: 131433
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 21.032 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion: 105 Resp: 160726
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.082 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

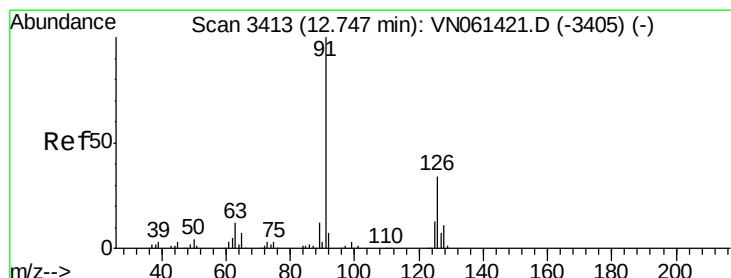
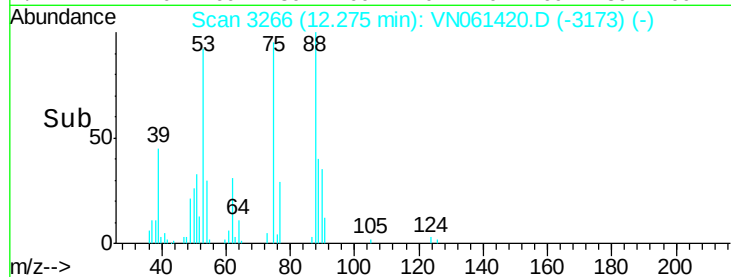
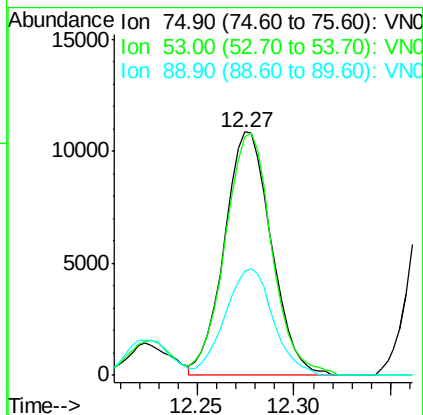
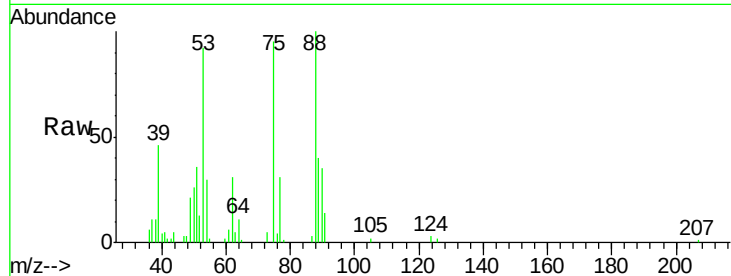
Tot Ion: 75 Resp: 18363

Ion Ratio Lower Upper

75 100

53 99.0 78.1 117.1

89 44.7 36.3 54.5



#82

4-Chlorotoluene

Concen: 20.071 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061420.D

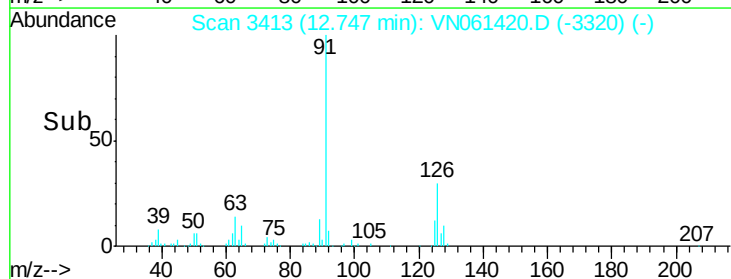
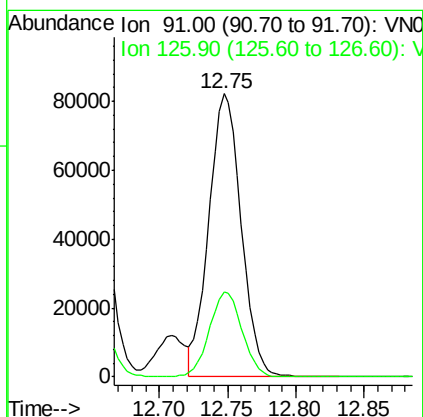
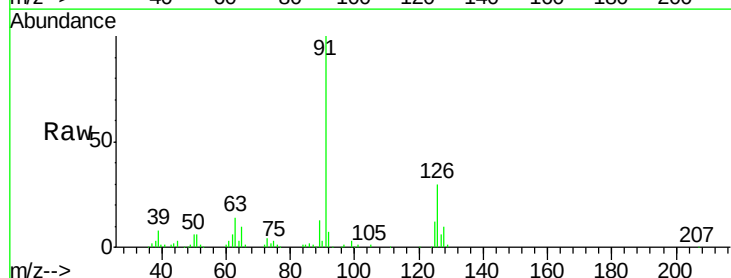
Acq: 15 May 2020 21:22

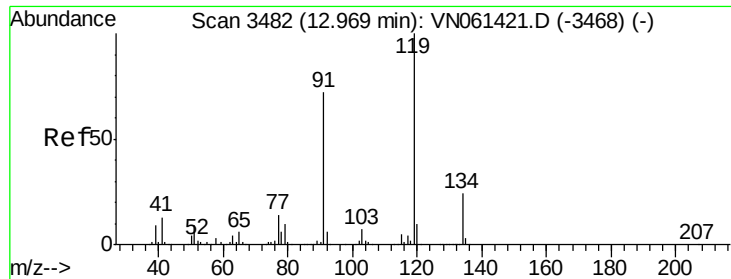
Tgt Ion: 91 Resp: 135380

Ion Ratio Lower Upper

91 100

126 30.4 15.8 47.3

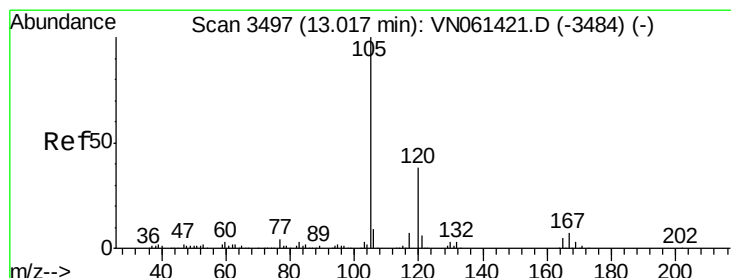
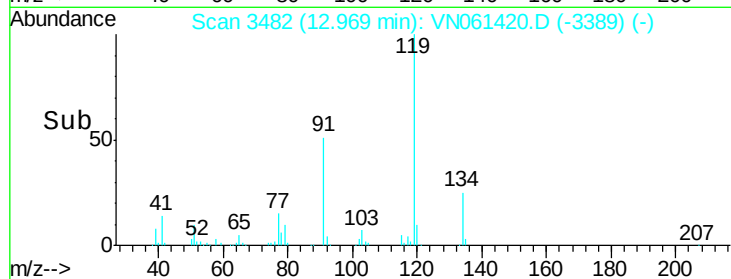
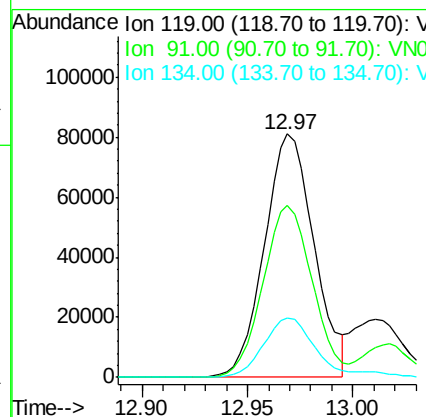
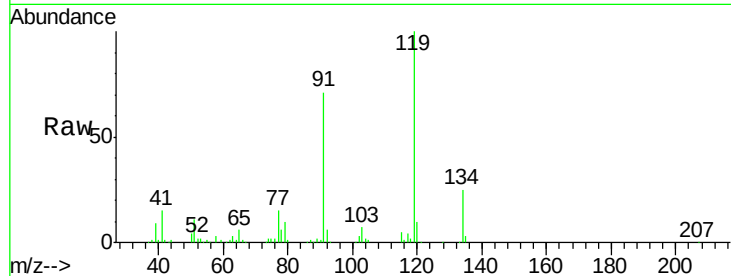




#83
 tert-Butylbenzene
 Concen: 20.723 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

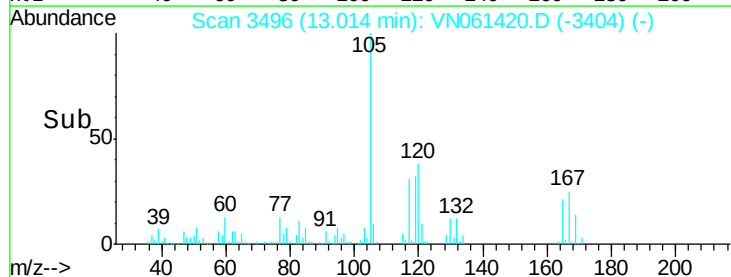
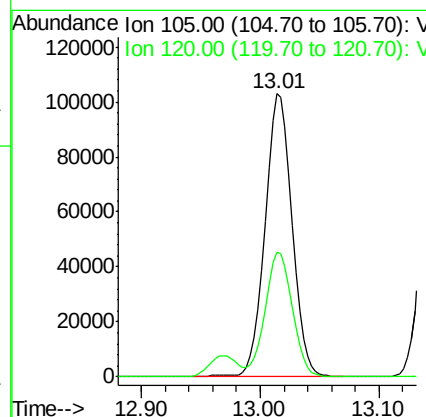
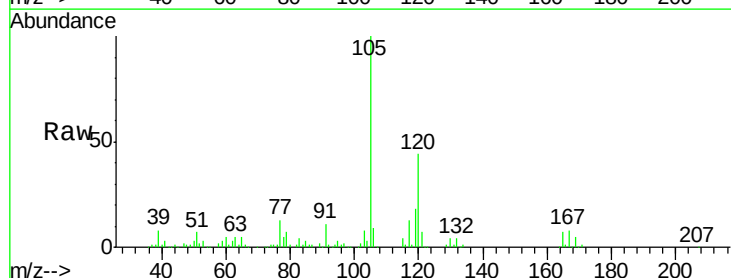
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

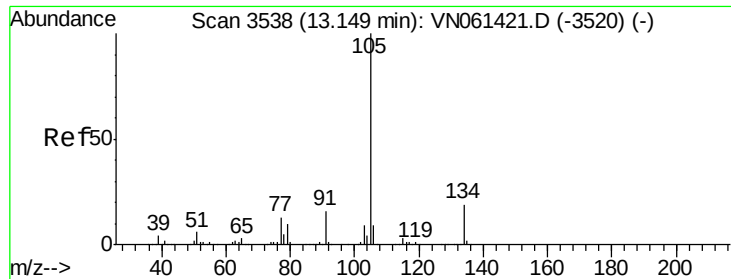
Tot Ion:119 Resp: 132773
 Ion Ratio Lower Upper
 119 100
 91 70.6 35.6 106.9
 134 24.8 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.633 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion:105 Resp: 161952
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.4 67.2





#85

sec-Butylbenzene

Concen: 21.346 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampled :

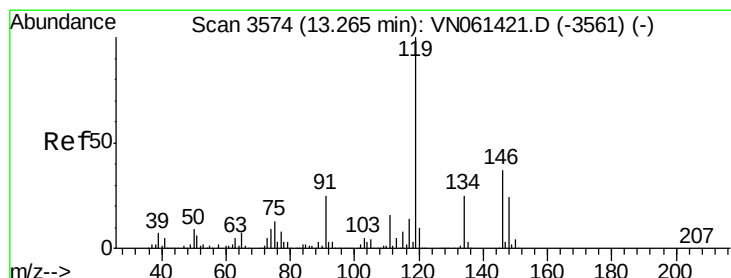
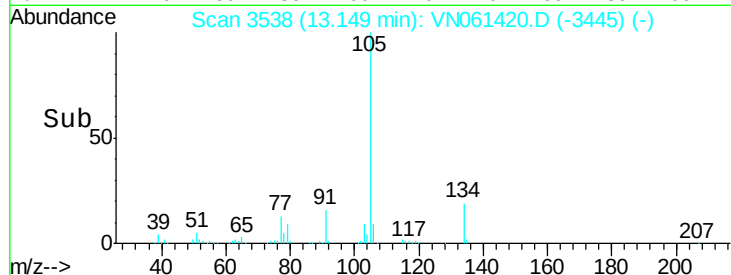
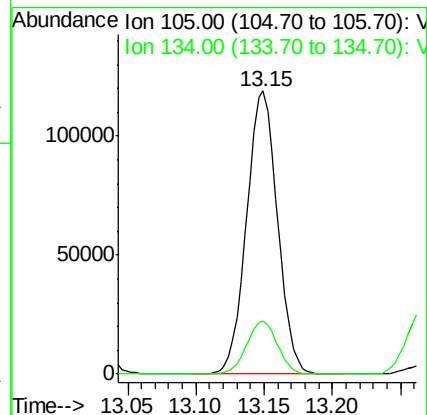
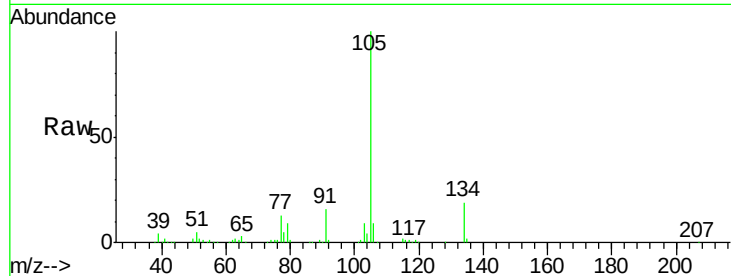
VSTDIC020

Tot Ion:105 Resp: 186947

Ion Ratio Lower Upper

105 100

134 18.7 9.7 29.1



#86

p-Isopropyltoluene

Concen: 20.417 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

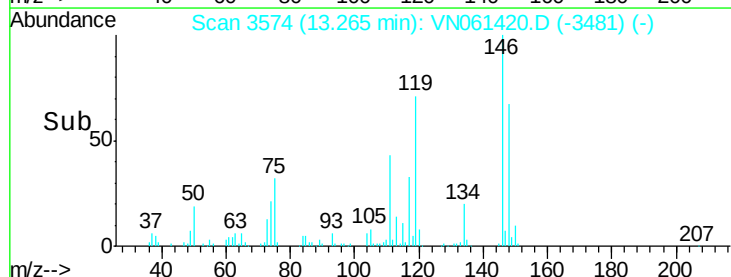
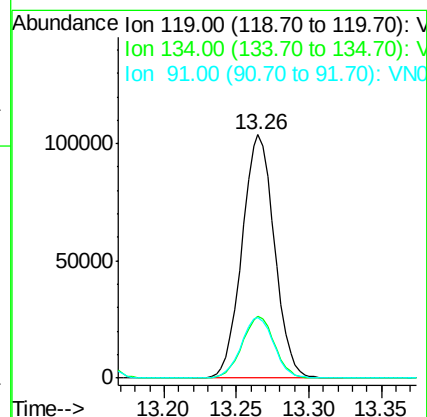
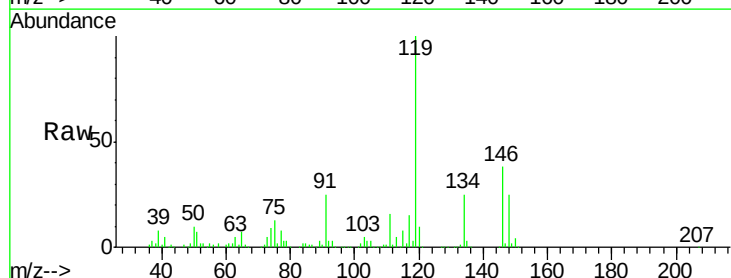
Tgt Ion:119 Resp: 161051

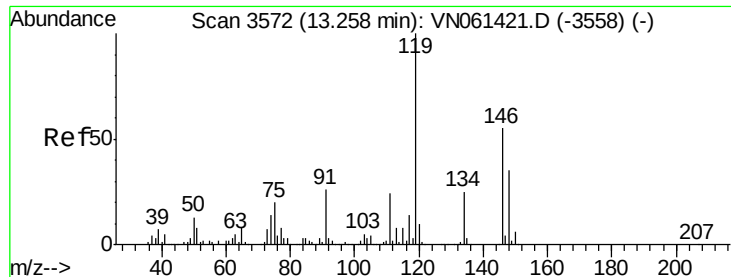
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.4

91 25.4 13.0 38.9

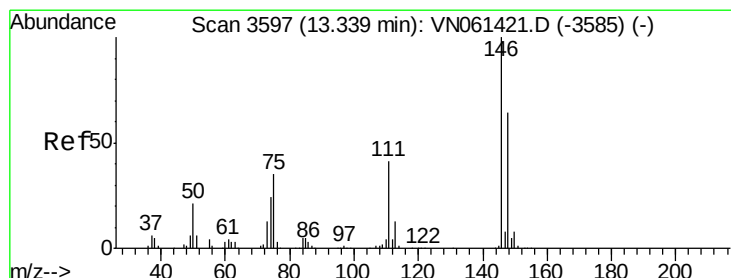
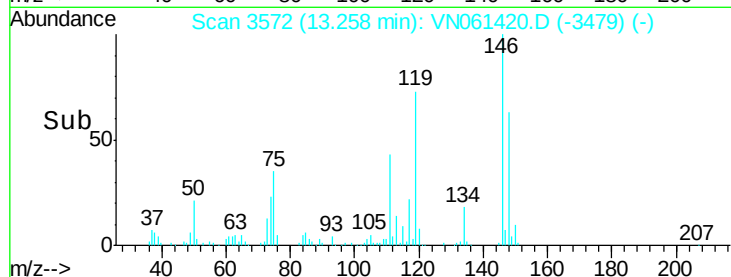
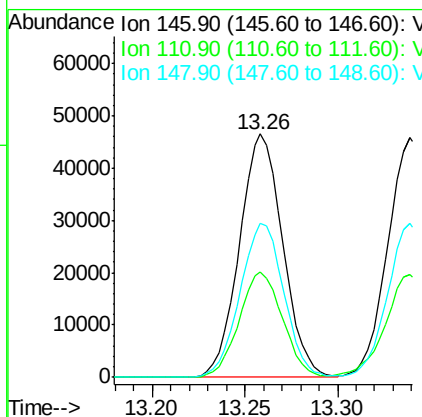
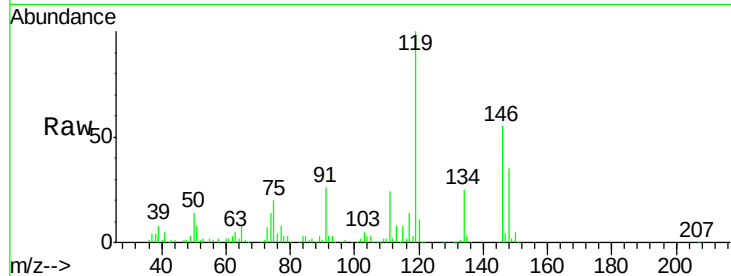




#87
 1,3-Dichlorobenzene
 Concen: 19.416 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

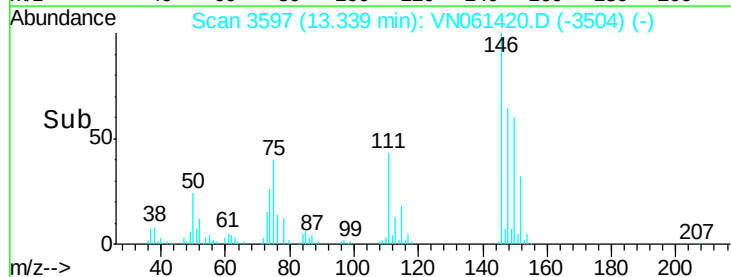
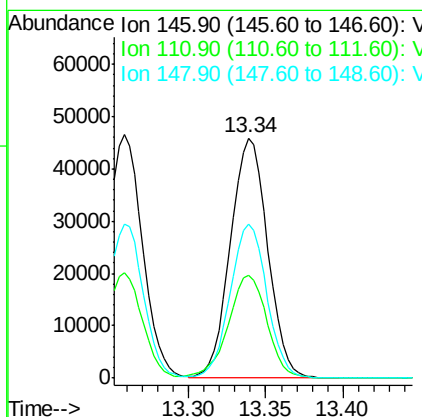
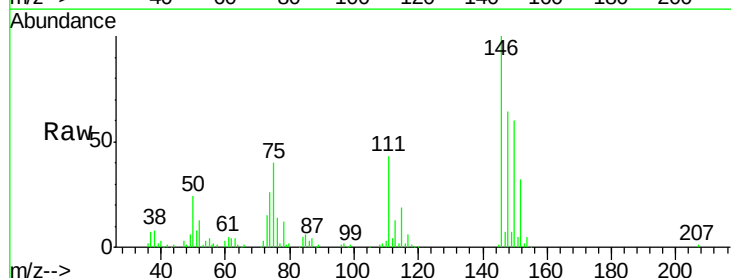
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

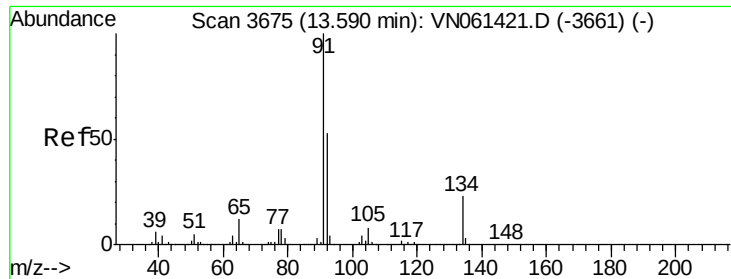
Tot Ion:146 Resp: 75326
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.5 64.5
 148 64.0 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 19.351 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion:146 Resp: 76850
 Ion Ratio Lower Upper
 146 100
 111 44.4 20.9 62.7
 148 62.9 32.3 96.8





#89

n-Butylbenzene

Concen: 20.149 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

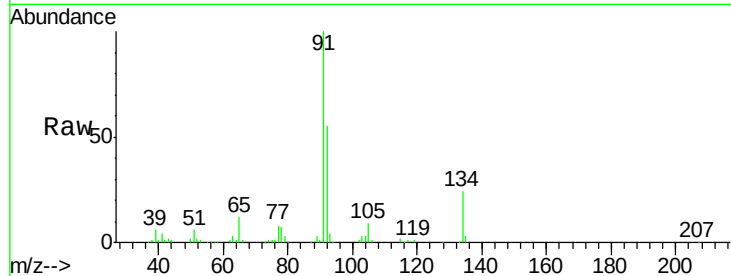
Tot Ion: 91 Resp: 145473

Ion Ratio Lower Upper

91 100

92 54.5 26.8 80.3

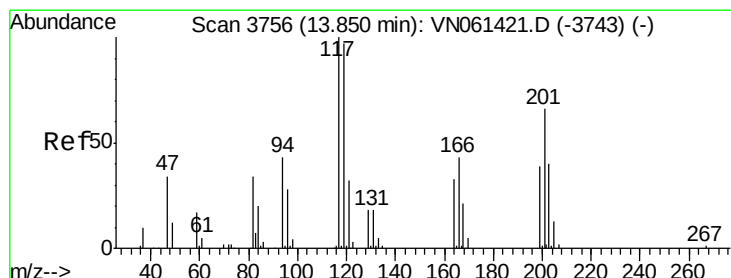
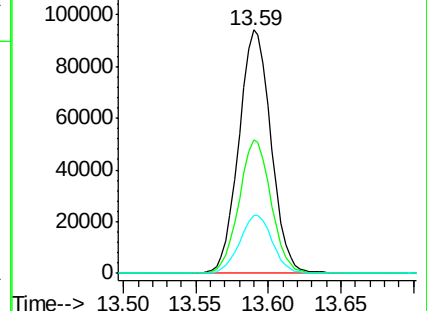
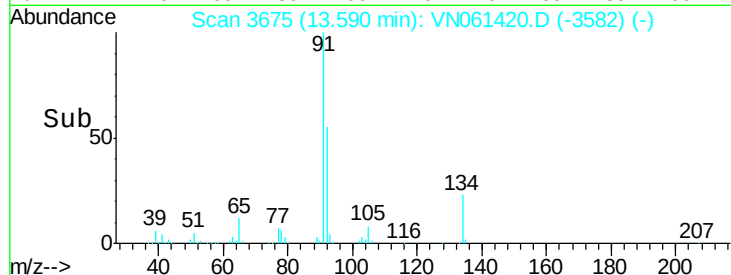
134 24.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN061420.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061420.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061420.D (-3582) (-)



#90

Hexachloroethane

Concen: 28.132 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061420.D

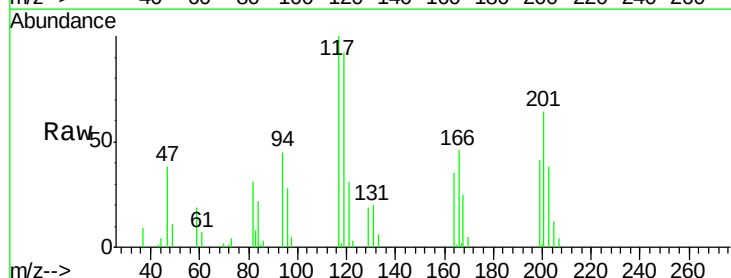
Acq: 15 May 2020 21:22

Tgt Ion: 117 Resp: 21846

Ion Ratio Lower Upper

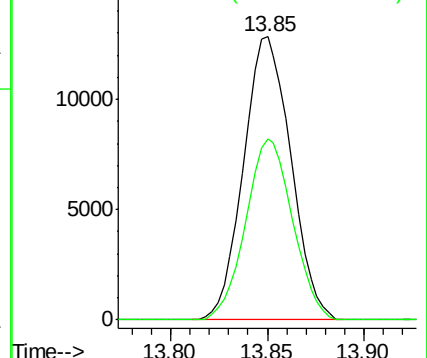
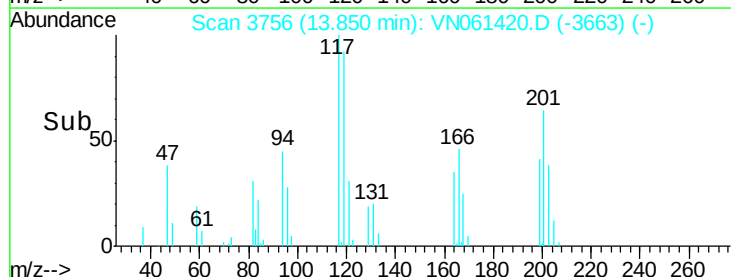
117 100

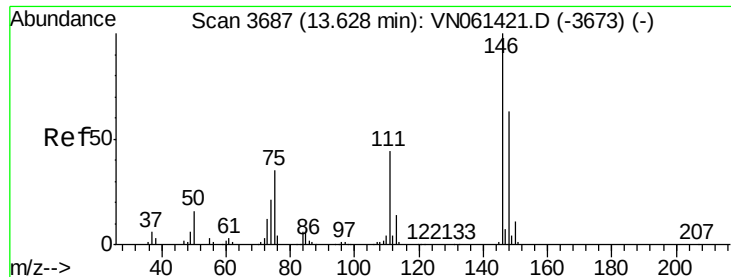
201 63.0 32.2 96.6



Abundance Ion 116.80 (116.50 to 117.50): VN061420.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061420.D (-3663) (-)

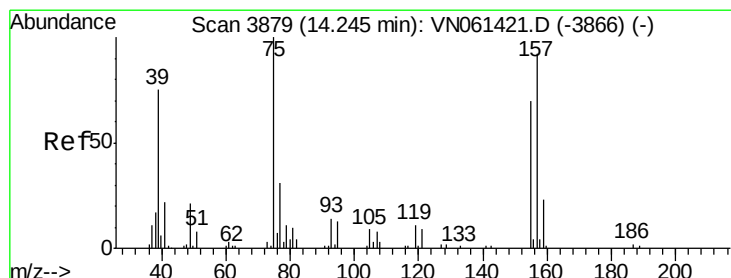
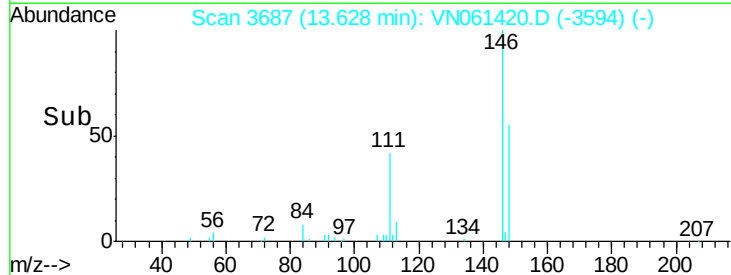
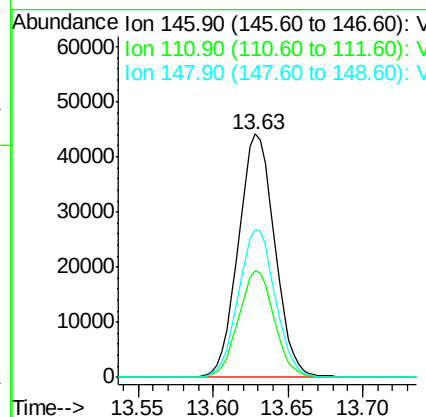
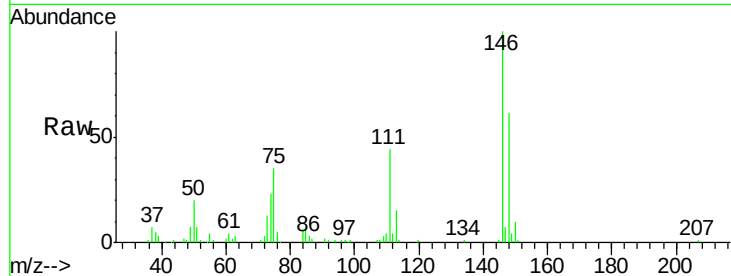




#91
 1,2-Dichlorobenzene
 Concen: 20.146 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

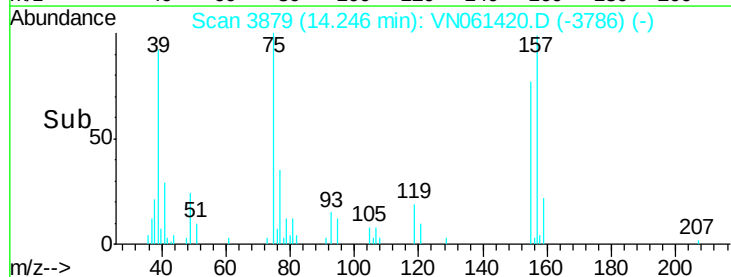
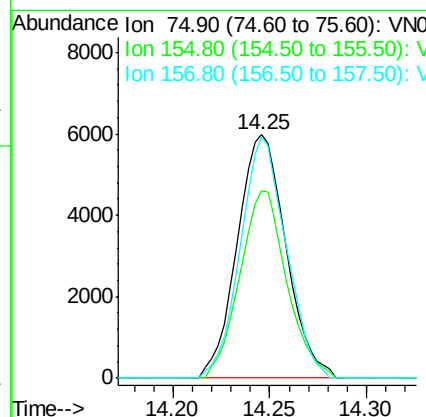
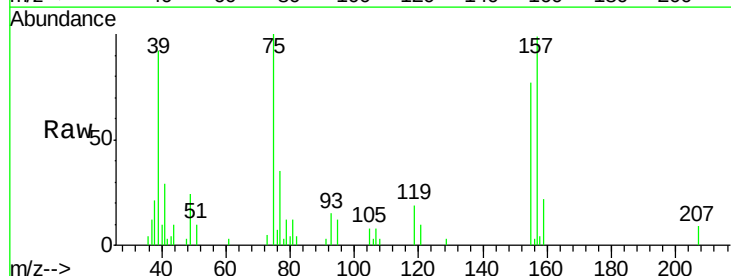
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

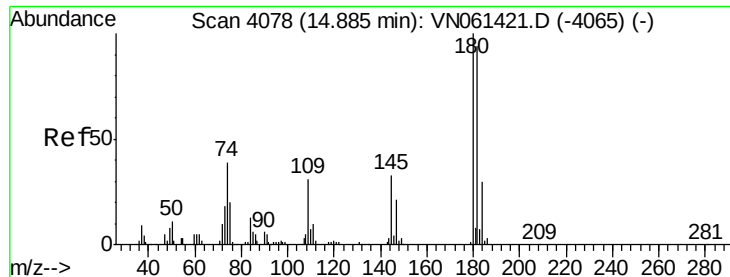
Tot Ion:146 Resp: 75002
 Ion Ratio Lower Upper
 146 100
 111 42.8 22.3 66.8
 148 61.3 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.787 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion: 75 Resp: 10452
 Ion Ratio Lower Upper
 75 100
 155 74.1 35.2 105.6
 157 93.1 45.8 137.3

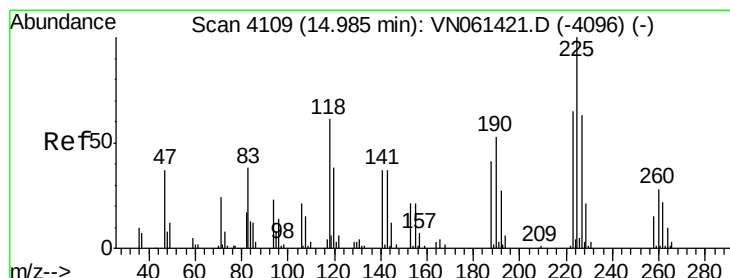
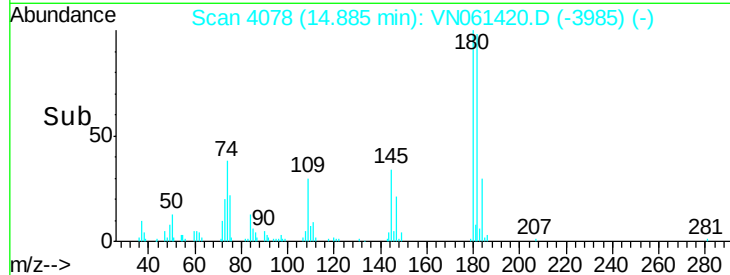
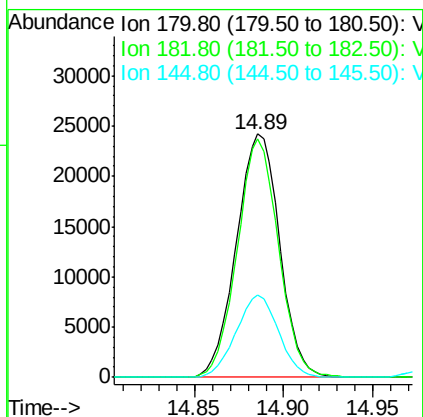
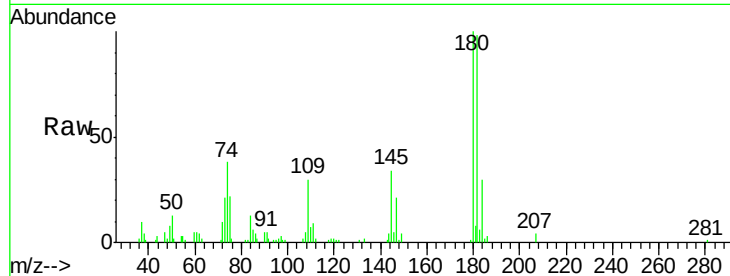




#93
 1,2,4-Trichlorobenzene
 Concen: 18.273 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

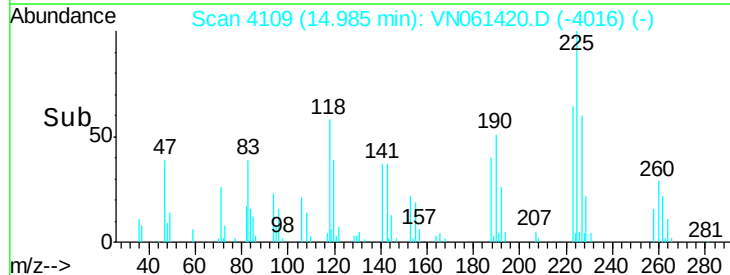
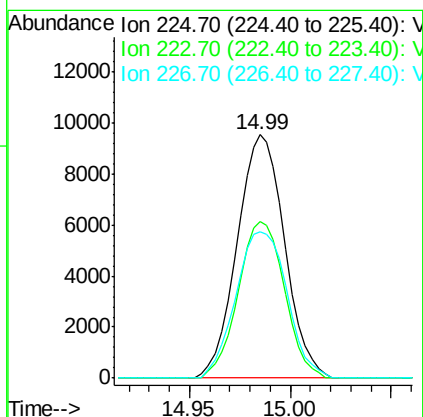
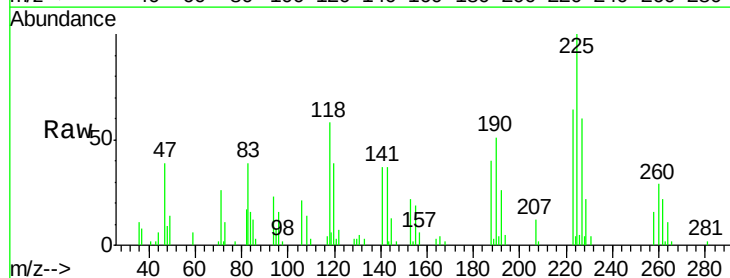
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

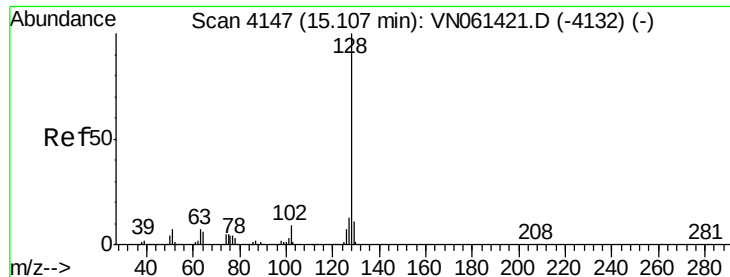
Tot Ion:180 Resp: 40746
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.3 142.0
 145 33.3 16.3 48.9



#94
 Hexachlorobutadiene
 Concen: 17.031 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061420.D
 Acq: 15 May 2020 21:22

Tgt Ion:225 Resp: 15712
 Ion Ratio Lower Upper
 225 100
 223 63.0 32.1 96.3
 227 64.9 31.4 94.2





#95

Naphthalene

Concen: 18.289 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

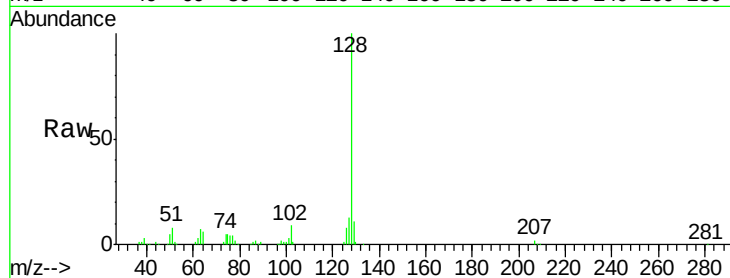
Tot Ion:128 Resp: 132536

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

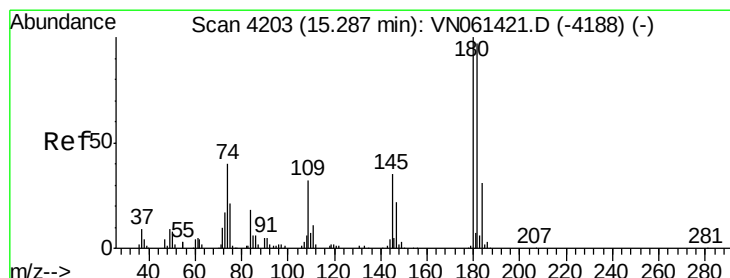
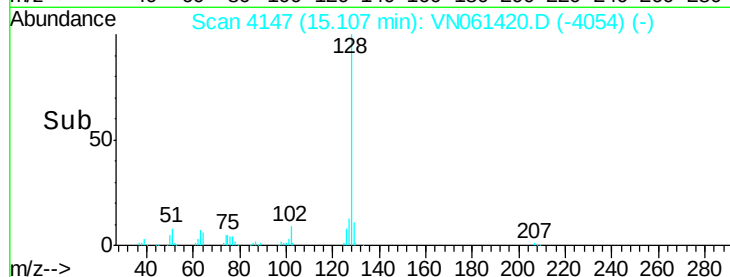
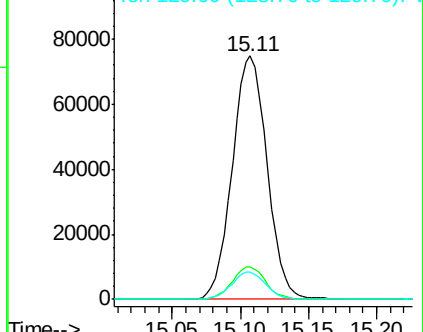
129 10.9 8.6 13.0



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: 18.308 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061420.D

Acq: 15 May 2020 21:22

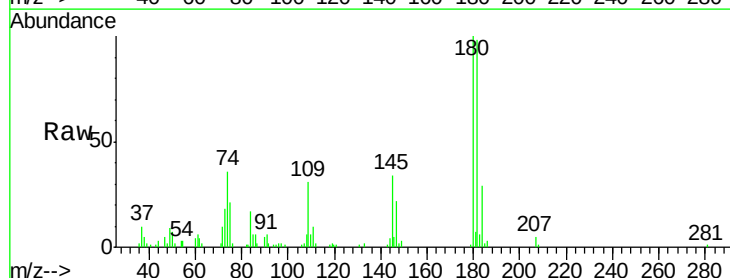
Tgt Ion:180 Resp: 40269

Ion Ratio Lower Upper

180 100

182 94.9 48.0 144.2

145 34.2 17.6 52.9



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

