

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051620\
 Data File : VN061423.D
 Acq On : 15 May 2020 22:32
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: May 16 02:57:02 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	204326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	375548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	362160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	174754	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	498059	154.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.16%	
35) Dibromofluoromethane	7.55	113	252945	117.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	234.36%	
50) Toluene-d8	10.06	98	1511167	165.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	331.38%	
62) 4-Bromofluorobenzene	12.38	95	574307	167.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	334.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	275389	134.561	ug/l	99
3) Chloromethane	2.03	50	422457	157.177	ug/l	99
4) Vinyl Chloride	2.16	62	678004	207.014	ug/l	100
5) Bromomethane	2.53	94	358839	209.287	ug/l	97
6) Chloroethane	2.67	64	442133	208.741	ug/l	100
7) Trichlorofluoromethane	2.98	101	707076	192.303	ug/l	100
8) Diethyl Ether	3.37	74	205979	150.329	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	288507	136.955	ug/l	98
10) Methyl Iodide	3.91	142	371876	138.621	ug/l	99
11) Tert butyl alcohol	4.73	59	155614	405.512	ug/l	99
12) 1,1-Dichloroethene	3.70	96	307956	145.115	ug/l	99
13) Acrolein	3.56	56	174669	618.400	ug/l	99
14) Allyl chloride	4.27	41	524046	136.680	ug/l	99
15) Acrylonitrile	4.93	53	784159	620.641	ug/l	99
16) Acetone	3.77	43	492980	323.486	ug/l	99
17) Carbon Disulfide	4.01	76	692288	120.917	ug/l	100
18) Methyl Acetate	4.27	43	322685	78.343	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	1236109	151.530	ug/l	99
20) Methylene Chloride	4.50	84	376638	151.269	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	380833	163.086	ug/l	99
22) Diisopropyl ether	5.90	45	1249309	138.272	ug/l	98
23) Vinyl Acetate	5.84	43	4921213	677.393	ug/l	97
24) 1,1-Dichloroethane	5.80	63	701527	146.405	ug/l	99
25) 2-Butanone	6.79	43	940099	526.517	ug/l	98
26) 2,2-Dichloropropane	6.78	77	556559	137.393	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	441688	159.745	ug/l	100
28) Bromochloromethane	7.15	49	309038	134.251	ug/l	96
29) Tetrahydrofuran	7.17	42	655798	542.680	ug/l	97
30) Chloroform	7.33	83	734458	150.419	ug/l	99
31) Cyclohexane	7.61	56	636303	136.725	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	662821	154.964	ug/l	99
36) 1,1-Dichloropropene	7.75	75	558870	150.197	ug/l	99
37) Ethyl Acetate	6.88	43	459624	110.316	ug/l	99
38) Carbon Tetrachloride	7.73	117	530204	176.293	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	670835	158.215	ug/l	99
40) Benzene	8.00	78	1655498	148.588	ug/l	100
41) Methacrylonitrile	7.12	41	214719	119.415	ug/l	87
42) 1,2-Dichloroethane	8.08	62	595700	142.392	ug/l	99
43) Isopropyl Acetate	8.13	43	873201	123.760	ug/l	99
44) Trichloroethene	8.80	130	435325	145.262	ug/l	97
45) 1,2-Dichloropropane	9.08	63	411886	139.342	ug/l	97
46) Dibromomethane	9.17	93	290124	157.038	ug/l	98
47) Bromodichloromethane	9.37	83	610849	154.173	ug/l	99
48) Methyl methacrylate	9.17	41	399154	125.706	ug/l	98
49) 1,4-Dioxane	9.17	88	50235	1474.818	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	2386569	583.102	ug/l	97
52) Toluene	10.13	92	1120788	165.592	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	699073	156.576	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	721358	152.974	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	403747	150.547	ug/l	98
56) Ethyl methacrylate	10.40	69	676371	167.232	ug/l	97
57) 1,3-Dichloropropane	10.68	76	689878	147.175	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	1473250	695.073	ug/l	98
59) 2-Hexanone	10.72	43	1679997	569.406	ug/l	97
60) Dibromochloromethane	10.88	129	464995	164.503	ug/l	100
61) 1,2-Dibromoethane	10.98	107	429200	159.490	ug/l	100
64) Tetrachloroethene	10.60	164	433884	140.899	ug/l	99
65) Chlorobenzene	11.41	112	1127971	156.756	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	416952	161.471	ug/l	99
67) Ethyl Benzene	11.49	91	2128207	157.926	ug/l	98
68) m/p-Xylenes	11.60	106	1650629	333.638	ug/l	93
69) o-Xylene	11.92	106	790861	166.408	ug/l	97
70) Styrene	11.94	104	1409073	176.450	ug/l	99
71) Bromoform	12.10	173	310575	165.919	ug/l #	100
73) Isopropylbenzene	12.22	105	2089035	161.639	ug/l	99
74) N-amyl acetate	12.05	43	828373	131.635	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	549266	139.041	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	517815m	142.357	ug/l	
77) Bromobenzene	12.50	156	455520	154.316	ug/l	99
78) n-propylbenzene	12.57	91	2418149	158.269	ug/l	98
79) 2-Chlorotoluene	12.65	91	1419108	157.881	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1780335	165.953	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	214441	150.417	ug/l	97
82) 4-Chlorotoluene	12.75	91	1548569	163.544	ug/l	100
83) tert-Butylbenzene	12.97	119	1458447	162.159	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	1800634	163.413	ug/l	100
85) sec-Butylbenzene	13.15	105	2009322	163.437	ug/l	100
86) p-Isopropyltoluene	13.26	119	1844172	166.544	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	871954	160.104	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	866491	155.428	ug/l	98
89) n-Butylbenzene	13.59	91	1667341	164.508	ug/l	99
90) Hexachloroethane	13.85	117	247753	227.275	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	809866	154.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	114106	138.331	ug/l	96

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Instrument :
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ClientSampleId :
VSTDICC150

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Quant Title : SW846 8260
QLast Update : Sat May 16 02:35:10 2020
Response via : Initial Calibration

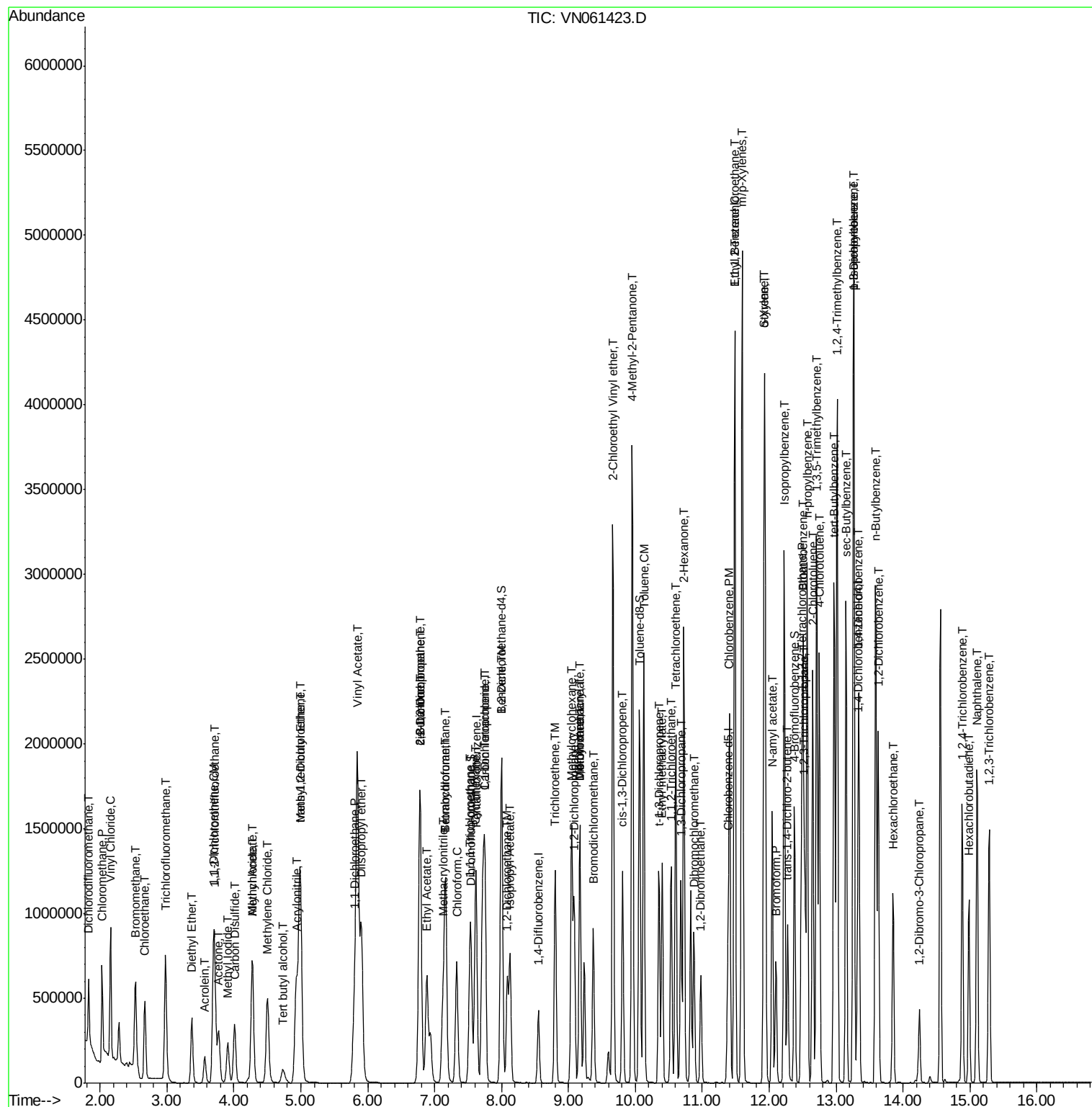
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	470848	150.419	ug/l	99
94) Hexachlorobutadiene	14.98	225	171787	132.644	ug/l	99
95) Naphthalene	15.11	128	1538305	151.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	449543	145.594	ug/l	99

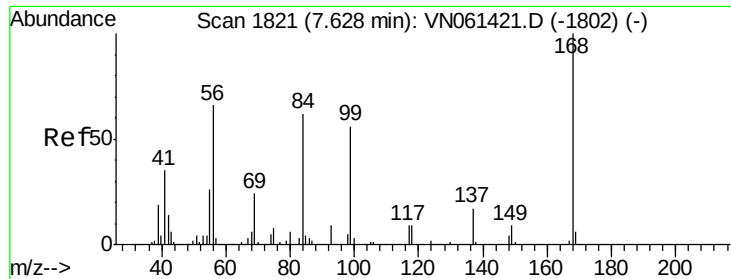
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

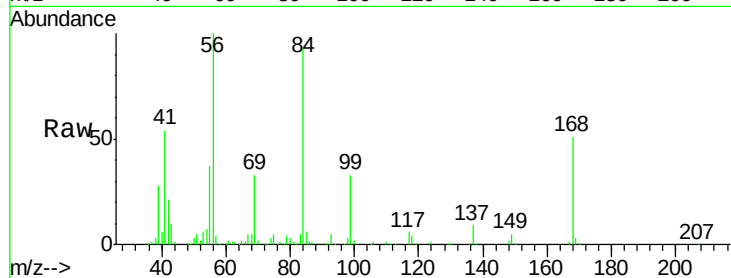
VSTDIC150

Tot Ion:168 Resp: 204326

Ion Ratio Lower Upper

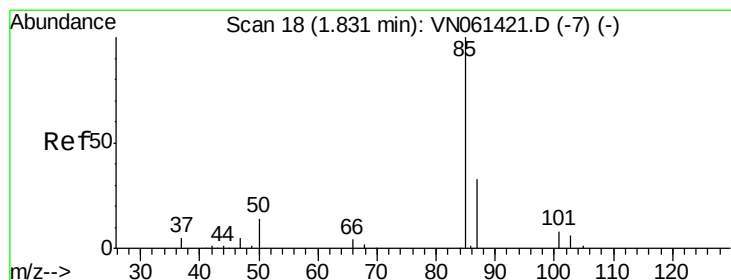
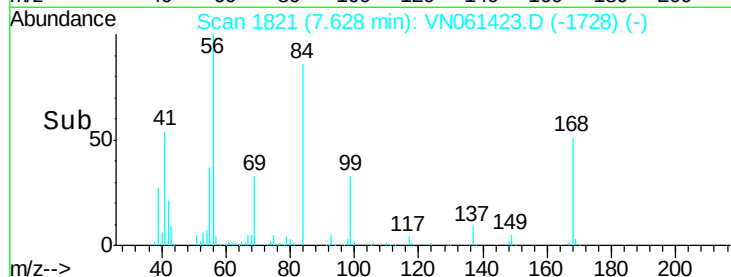
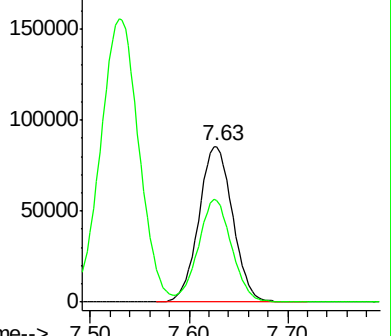
168 100

99 65.3 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: 134.561 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061423.D

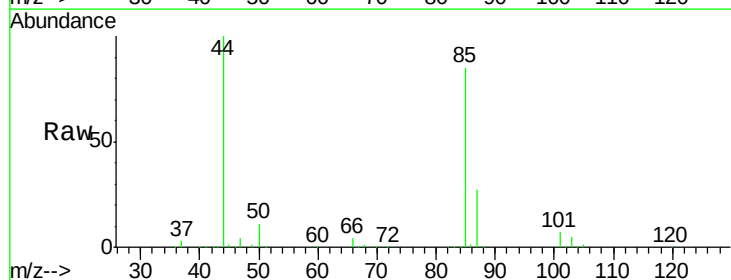
Acq: 15 May 2020 22:32

Tgt Ion: 85 Resp: 275389

Ion Ratio Lower Upper

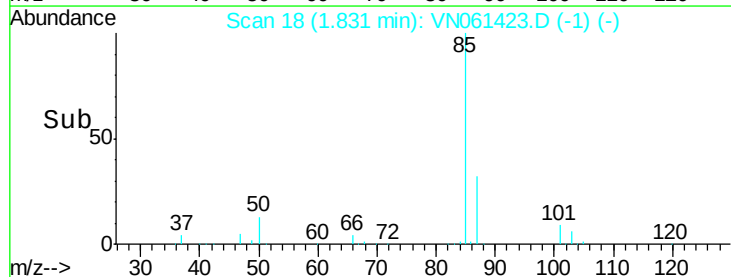
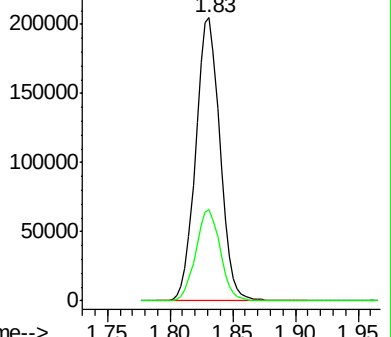
85 100

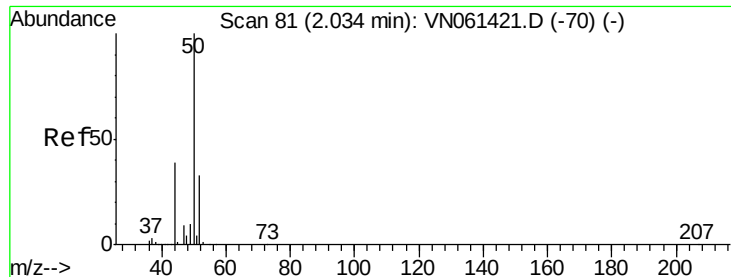
87 32.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 157.177 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

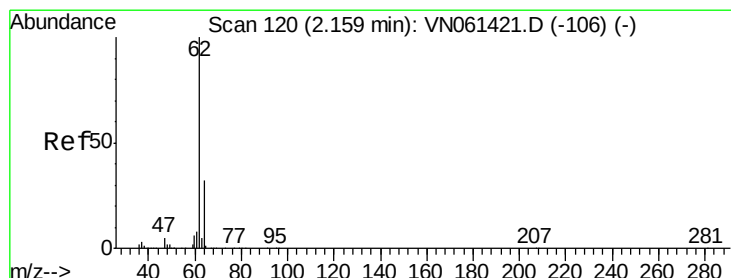
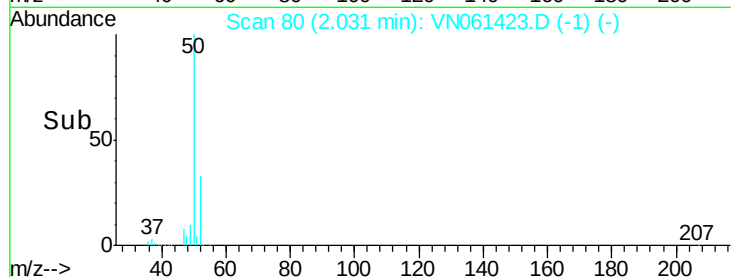
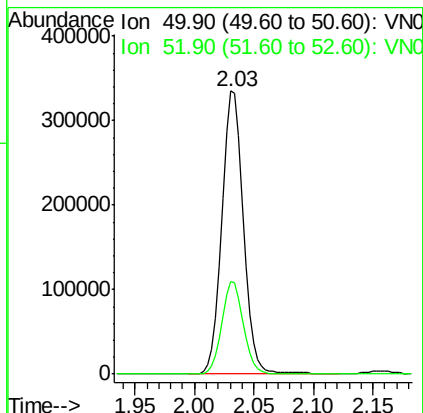
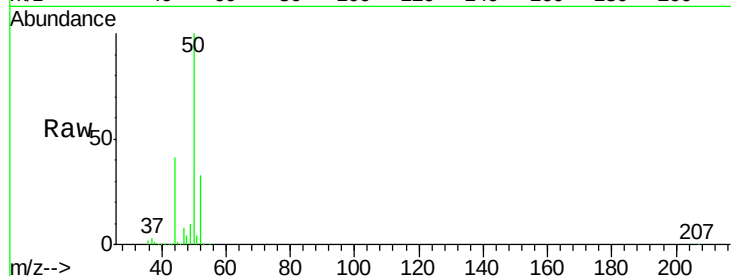
VSTDIC150

Tot Ion: 50 Resp: 422457

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



#4

Vinyl Chloride

Concen: 207.014 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061423.D

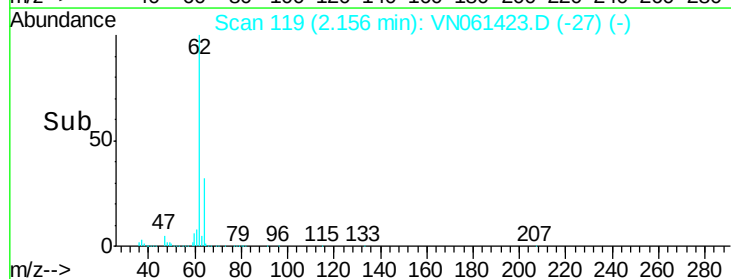
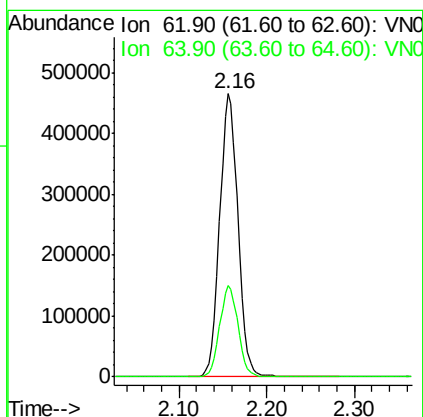
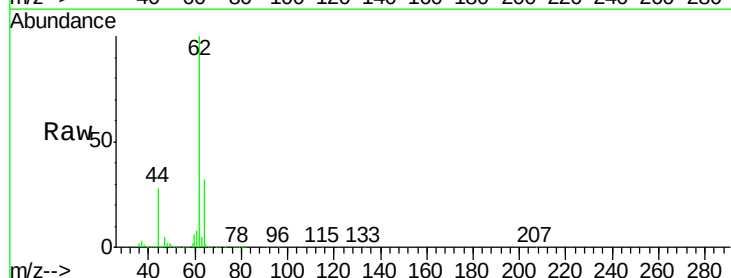
Acq: 15 May 2020 22:32

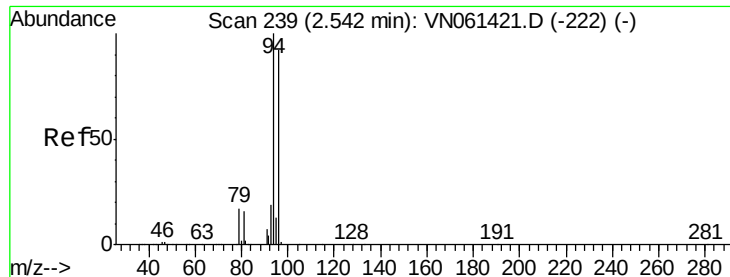
Tgt Ion: 62 Resp: 678004

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 209.287 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

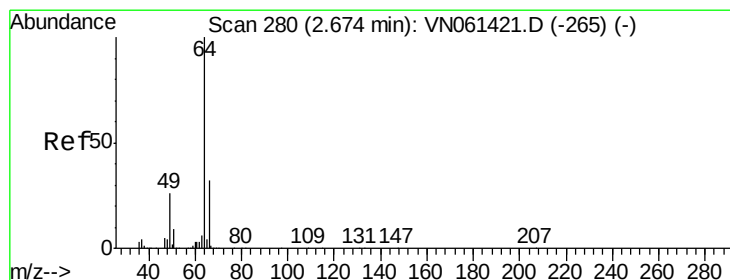
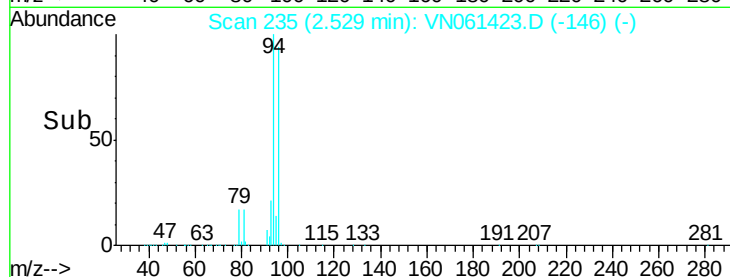
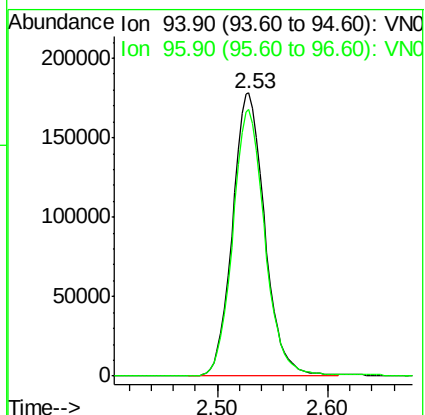
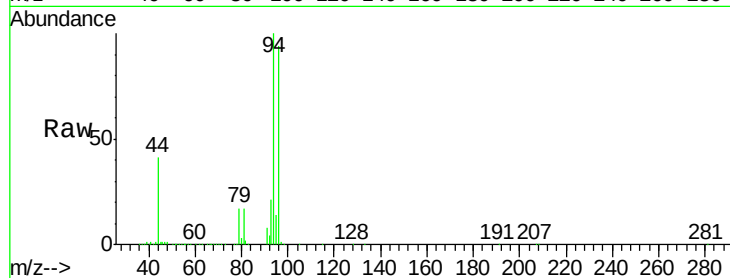
VSTDIC150

Tot Ion: 94 Resp: 358839

Ion Ratio Lower Upper

94 100

96 94.3 73.4 110.0



#6

Chloroethane

Concen: 208.741 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061423.D

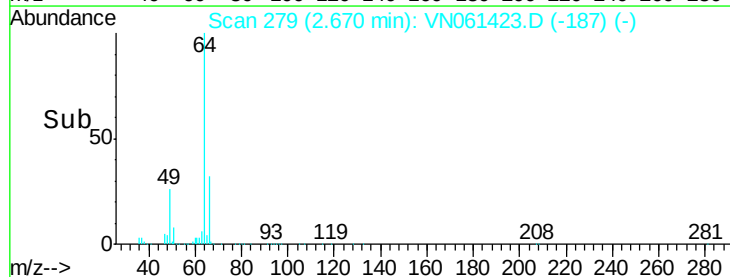
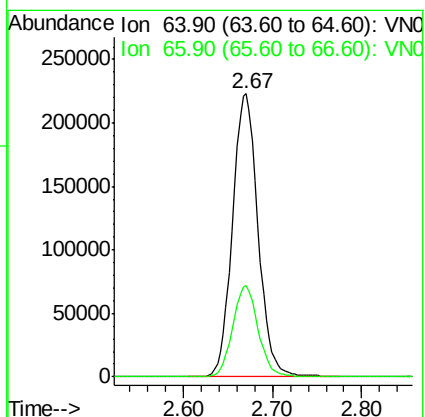
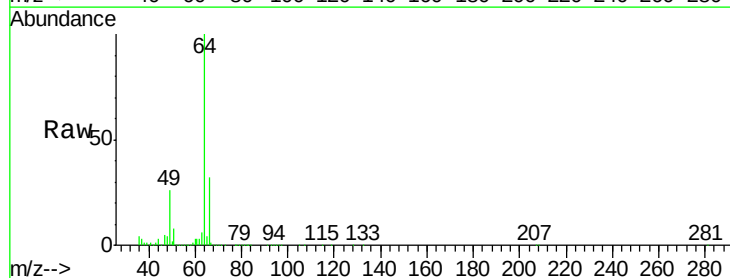
Acq: 15 May 2020 22:32

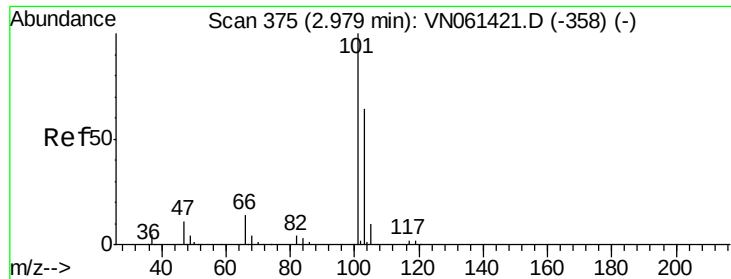
Tgt Ion: 64 Resp: 442133

Ion Ratio Lower Upper

64 100

66 32.1 25.9 38.9



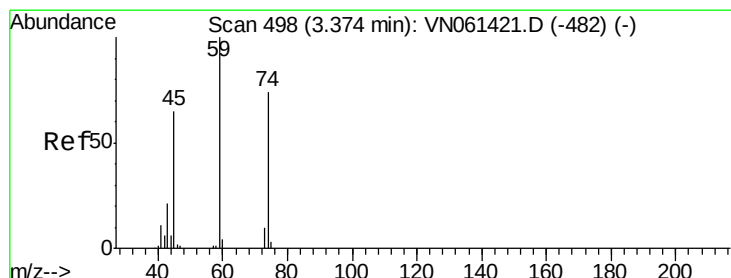
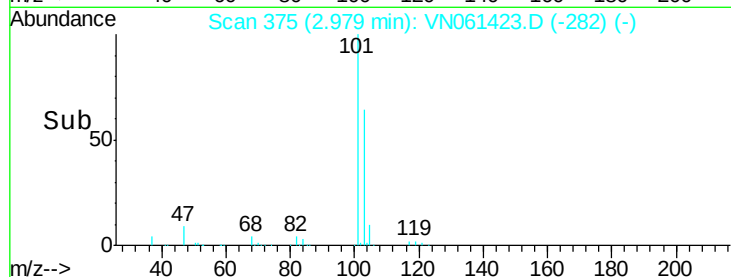
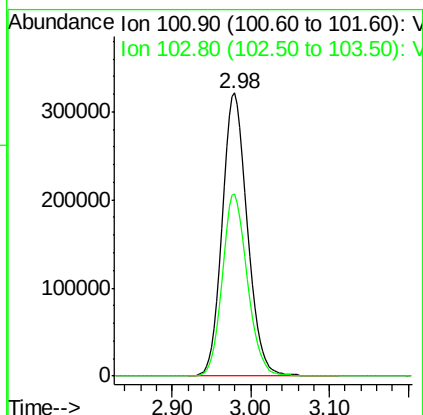
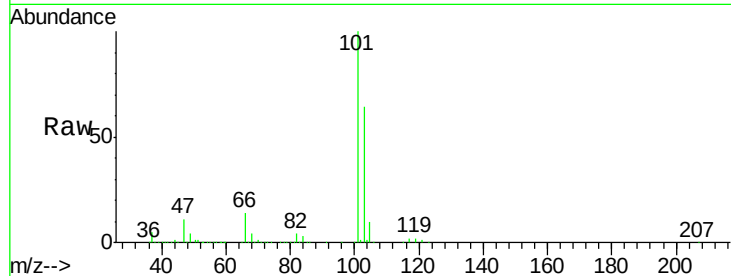


#7

Trichlorofluoromethane
 Concen: 192.303 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

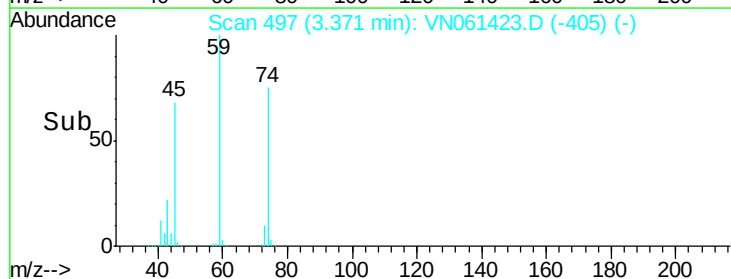
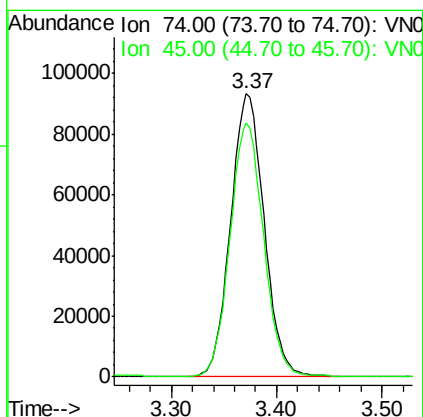
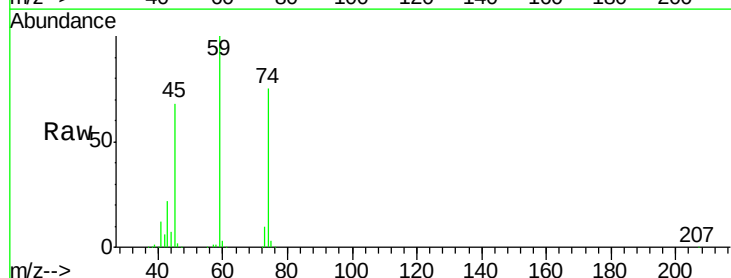
Tot Ion:101 Resp: 707076
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.0

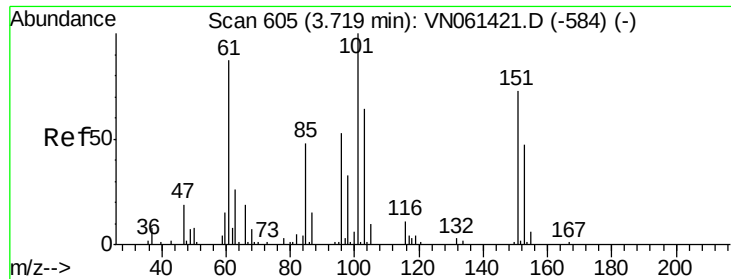


#8

Diethyl Ether
 Concen: 150.329 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Tgt Ion: 74 Resp: 205979
 Ion Ratio Lower Upper
 74 100
 45 90.1 45.2 135.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 136.955 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

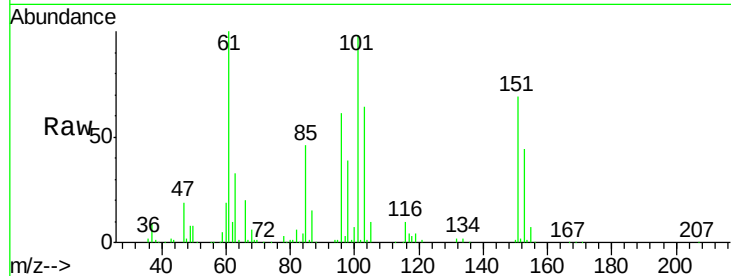
Tot Ion:101 Resp: 288507

Ion Ratio Lower Upper

101 100

85 47.2 38.4 57.6

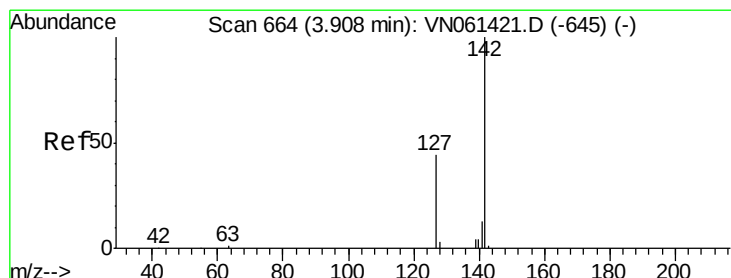
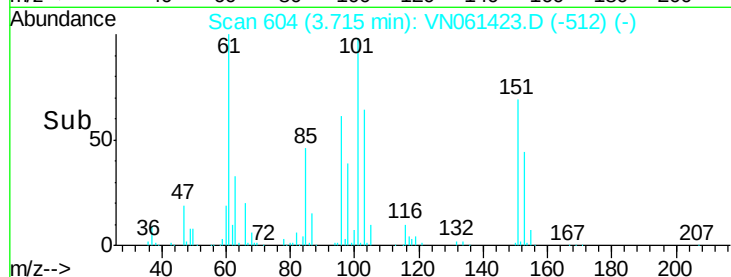
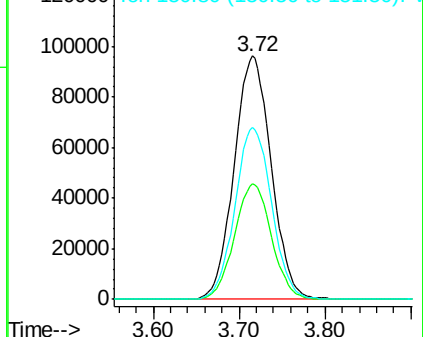
151 69.9 57.8 86.8



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: 138.621 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

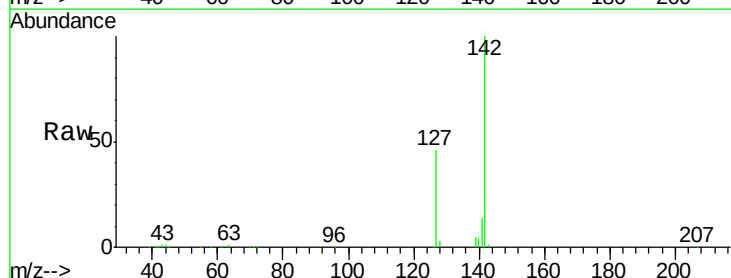
Tgt Ion:142 Resp: 371876

Ion Ratio Lower Upper

142 100

127 45.6 36.0 54.0

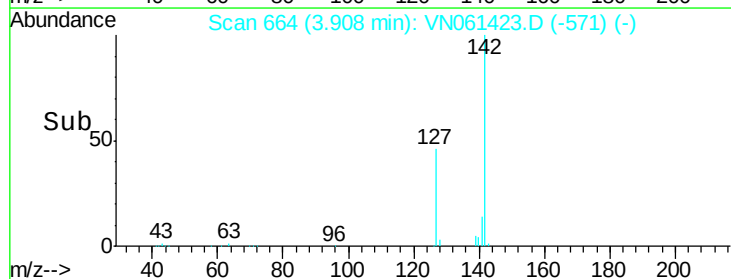
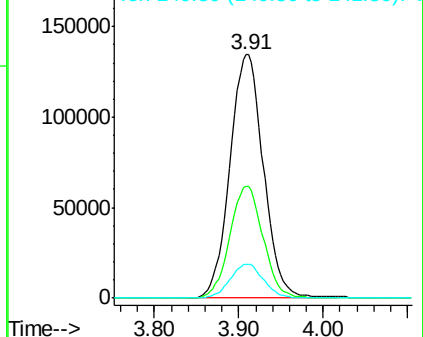
141 14.0 11.0 16.6

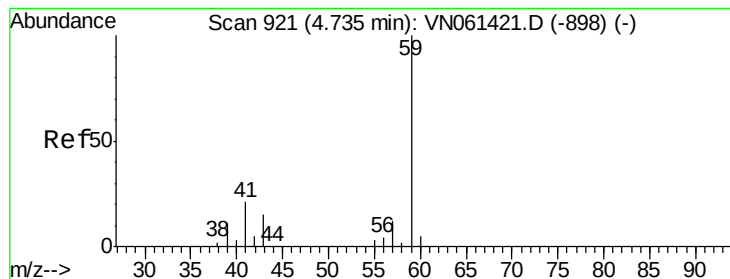


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



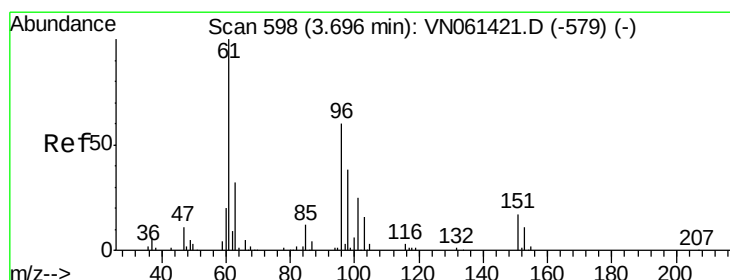
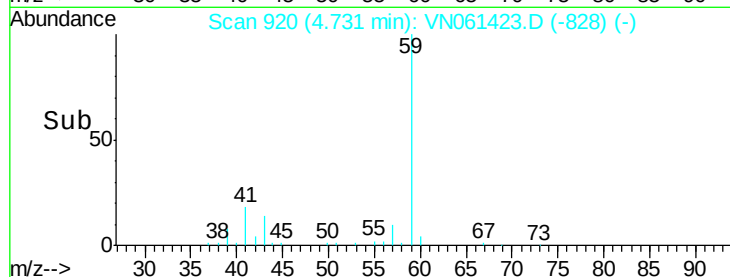
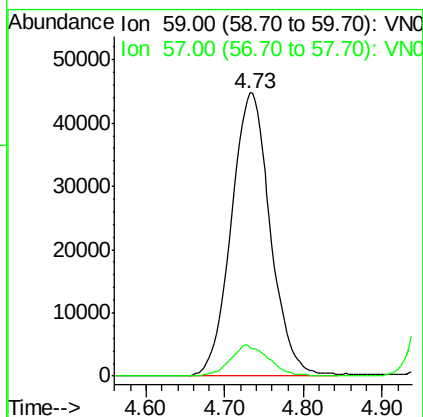
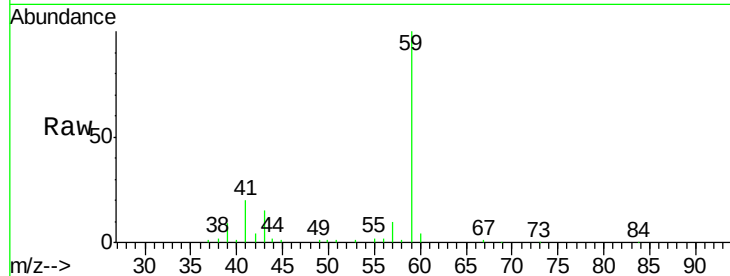


#11

Tert butyl alcohol
 Concen: 405.512 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

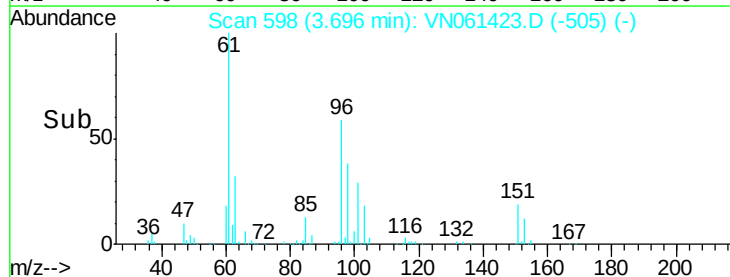
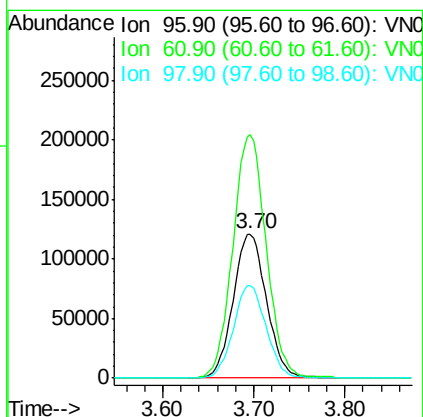
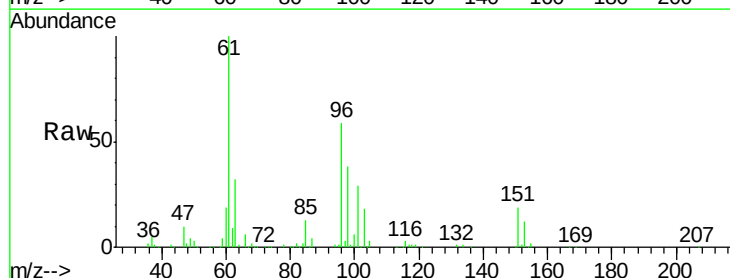
Tot Ion: 59 Resp: 155614
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.8 13.2

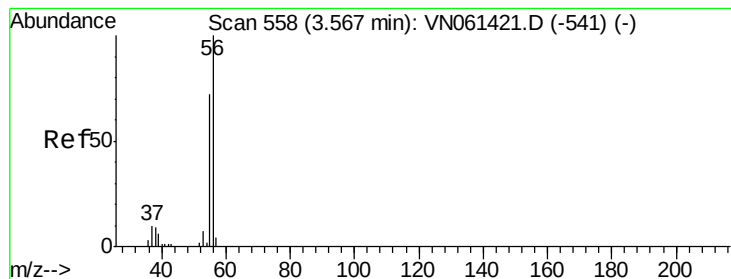


#12

1,1-Dichloroethene
 Concen: 145.115 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Tgt Ion: 96 Resp: 307956
 Ion Ratio Lower Upper
 96 100
 61 169.2 133.9 200.9
 98 64.4 50.4 75.6





#13

Acrolein

Concen: 618.400 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

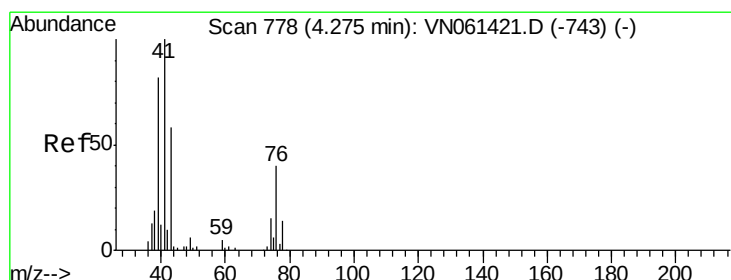
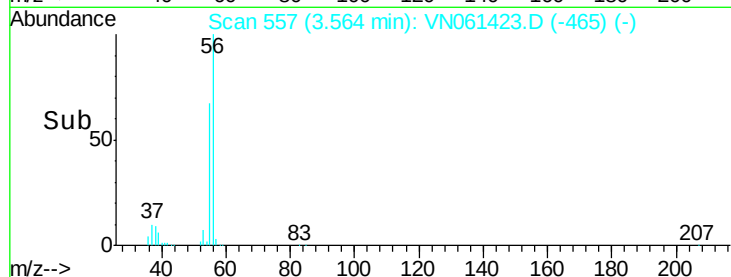
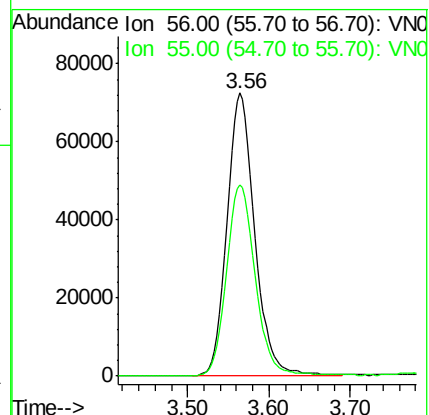
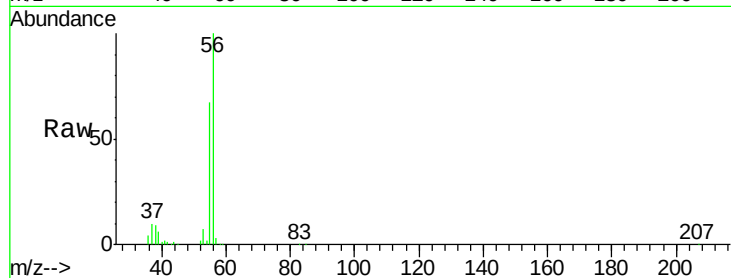
VSTDIC150

Tot Ion: 56 Resp: 174669

Ion Ratio Lower Upper

56 100

55 69.4 56.4 84.6



#14

Allyl chloride

Concen: 136.680 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

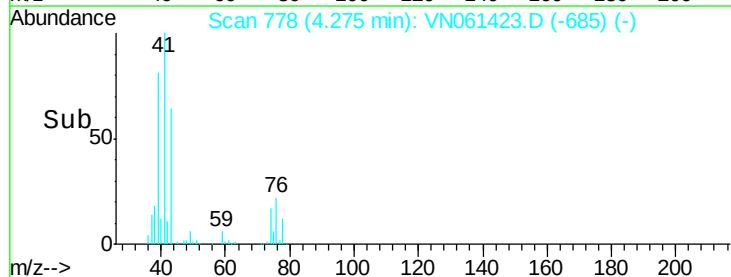
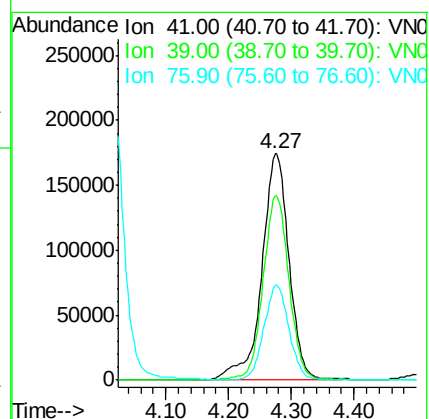
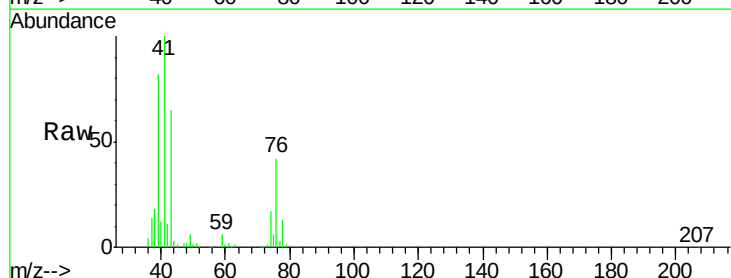
Tgt Ion: 41 Resp: 524046

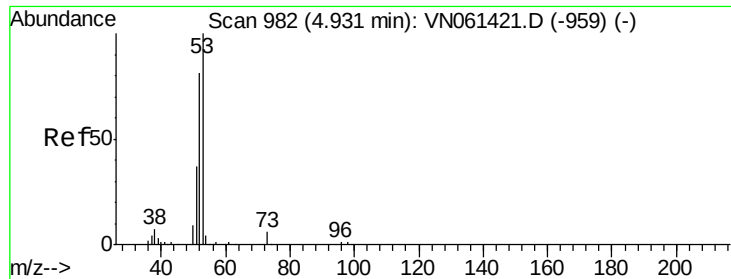
Ion Ratio Lower Upper

41 100

39 77.7 63.4 95.2

76 38.3 30.7 46.1





#15

Acrylonitrile

Concen: 620.641 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

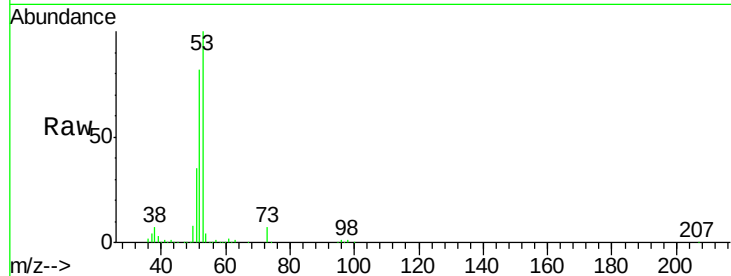
Tot Ion: 53 Resp: 784159

Ion Ratio Lower Upper

53 100

52 81.2 64.4 96.6

51 36.5 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN061423.D (-959) (-)

Ion 52.00 (51.70 to 52.70): VN061423.D (-959) (-)

Ion 51.00 (50.70 to 51.70): VN061423.D (-959) (-)

4.93

250000

200000

150000

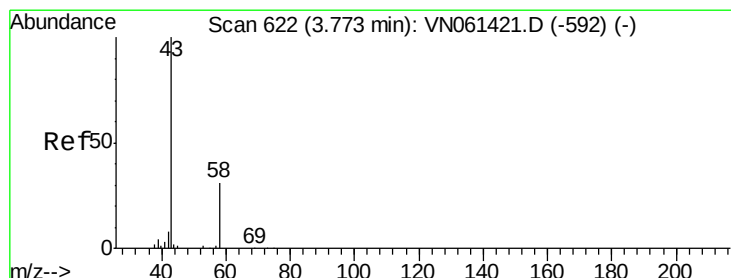
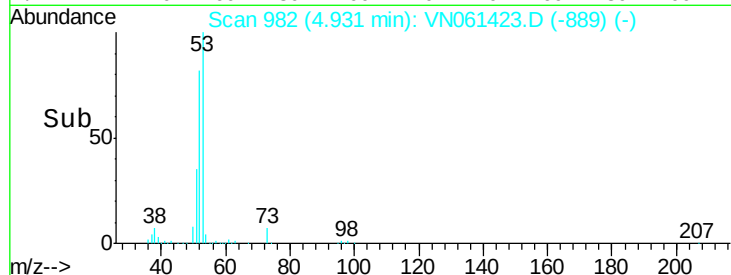
100000

50000

0

4.80 4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 323.486 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061423.D

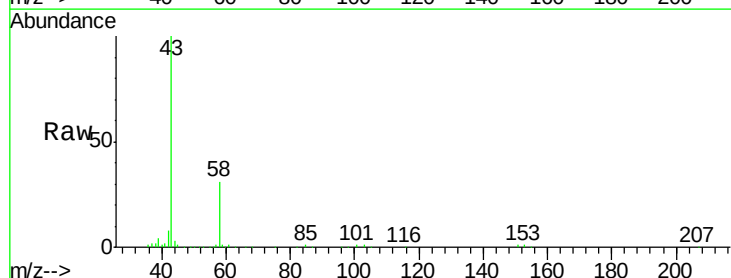
Acq: 15 May 2020 22:32

Tgt Ion: 43 Resp: 492980

Ion Ratio Lower Upper

43 100

58 31.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN061423.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN061423.D (-592) (-)

3.77

200000

150000

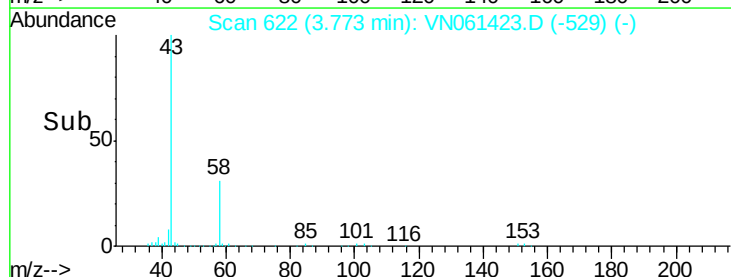
100000

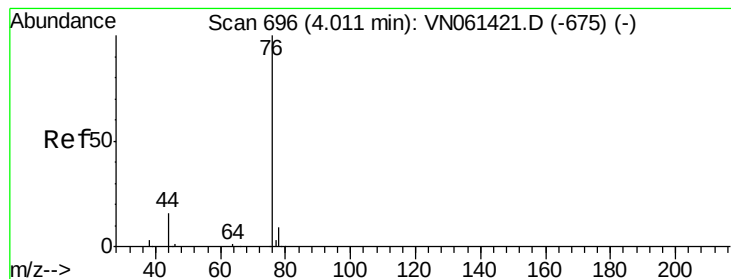
50000

0

3.60 3.70 3.80 3.90

Time-->





#17

Carbon Disulfide

Concen: 120.917 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

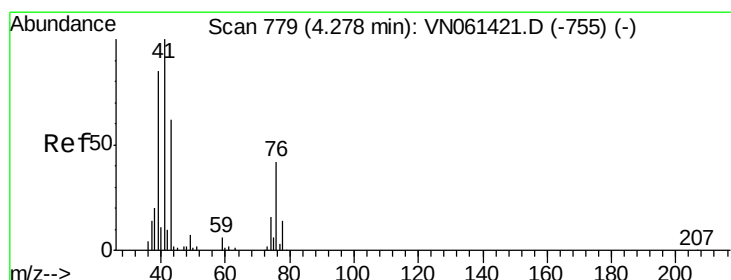
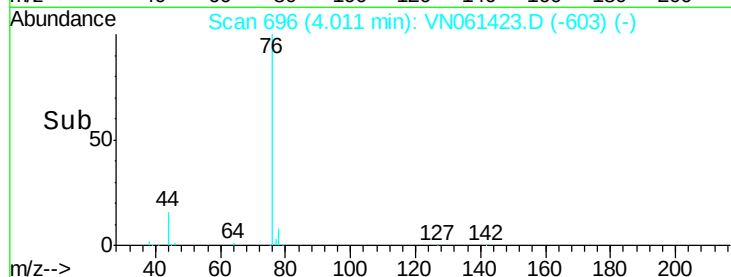
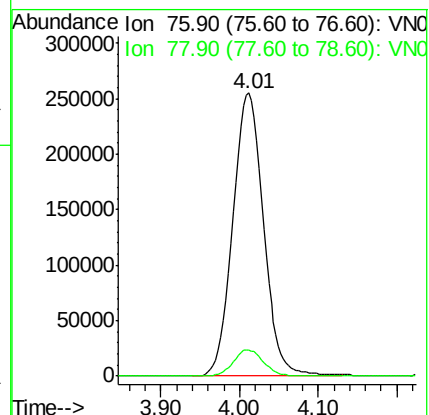
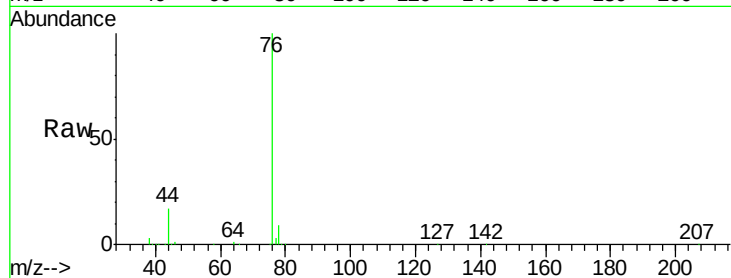
VSTDIC150

Tot Ion: 76 Resp: 692288

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



#18

Methyl Acetate

Concen: 78.343 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061423.D

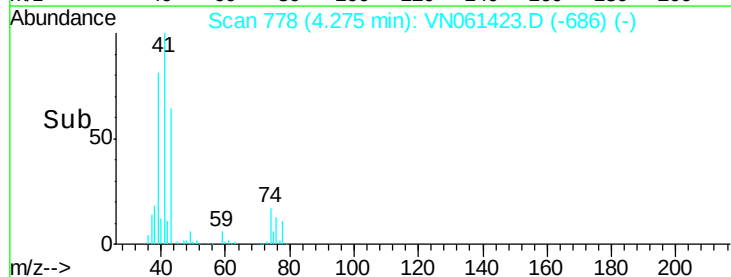
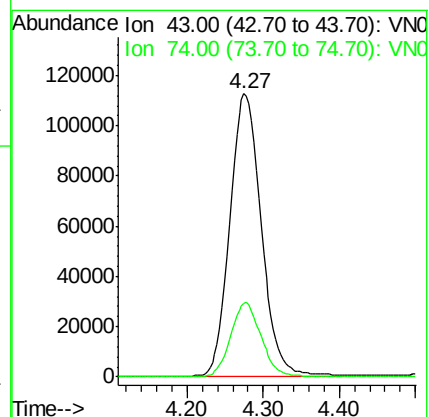
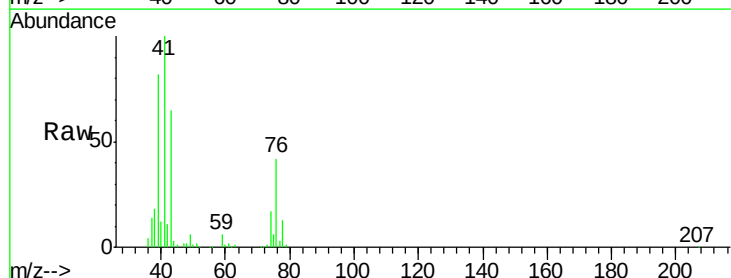
Acq: 15 May 2020 22:32

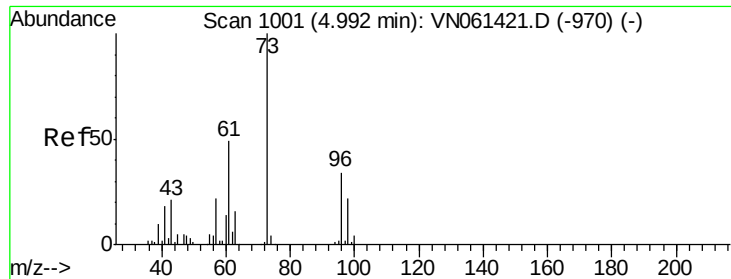
Tgt Ion: 43 Resp: 322685

Ion Ratio Lower Upper

43 100

74 25.6 19.8 29.6

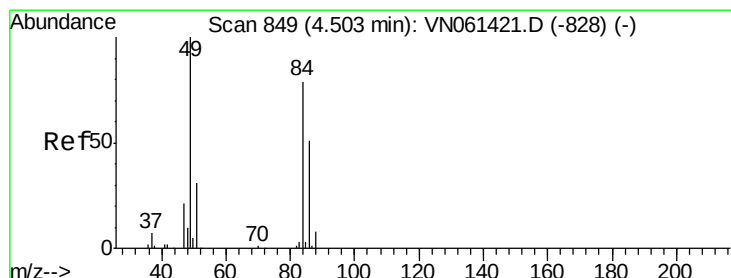
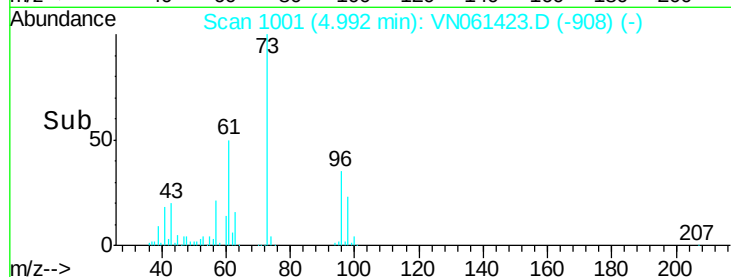
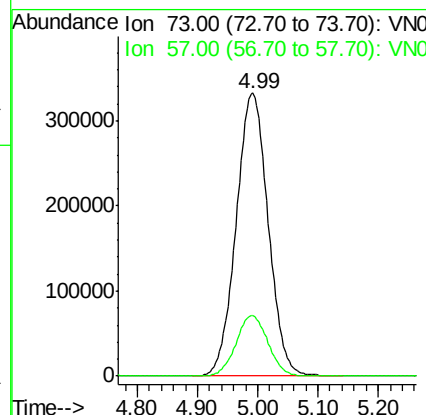
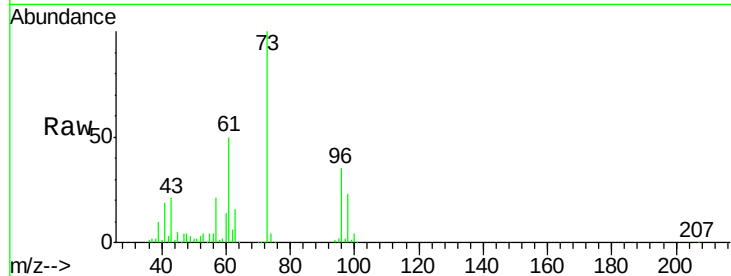




#19
Methyl tert-butyl Ether
Concen: 151.530 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

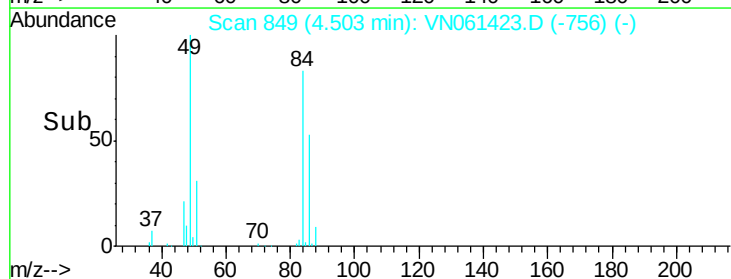
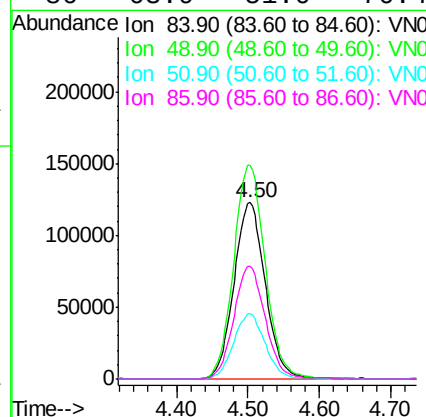
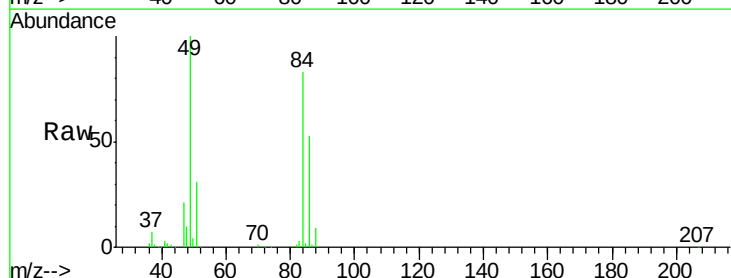
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

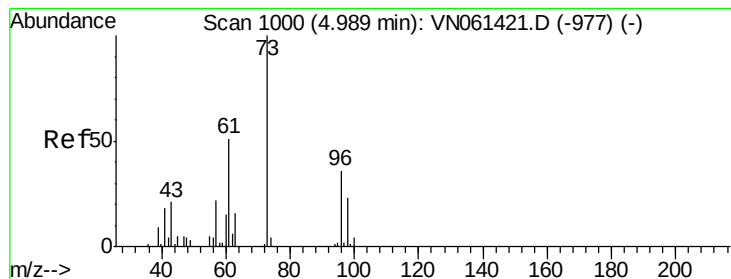
Tot Ion: 73 Resp: 1236109
Ion Ratio Lower Upper
73 100
57 21.4 17.6 26.4



#20
Methylene Chloride
Concen: 151.269 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

Tgt Ion: 84 Resp: 376638
Ion Ratio Lower Upper
84 100
49 121.1 101.0 151.4
51 37.3 31.6 47.4
86 63.9 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 163.086 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

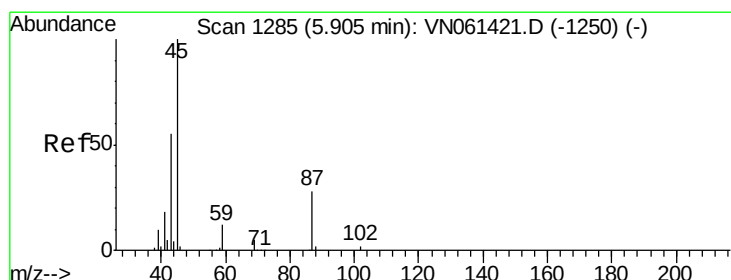
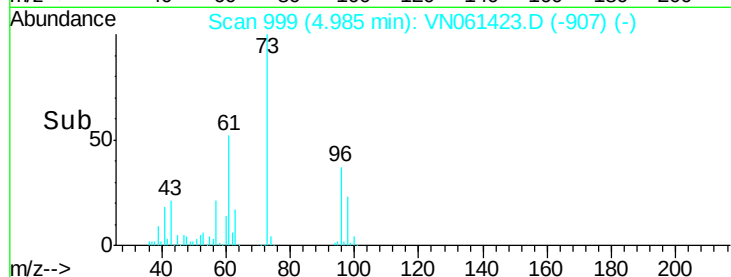
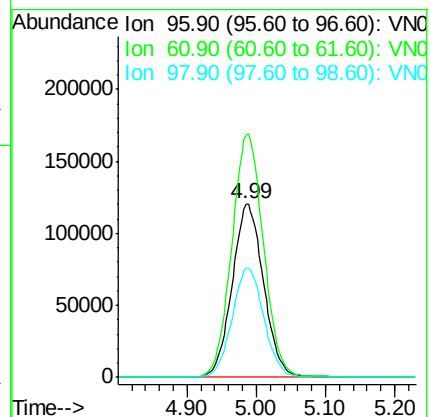
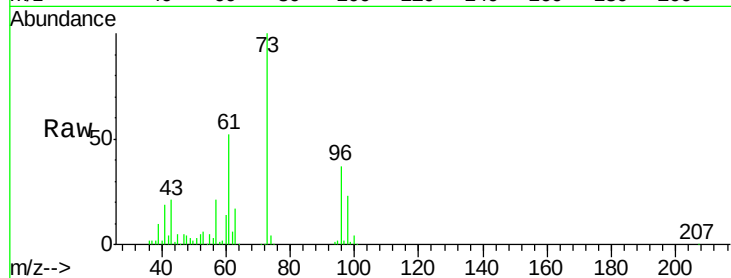
Tot Ion: 96 Resp: 380833

Ion Ratio Lower Upper

96 100

61 140.1 113.8 170.6

98 62.8 50.8 76.2



#22

Diisopropyl ether

Concen: 138.272 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Tgt Ion: 45 Resp: 1249309

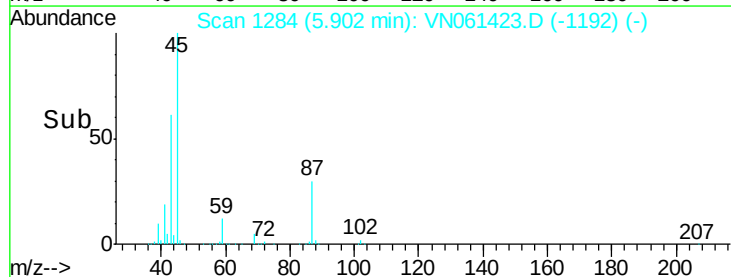
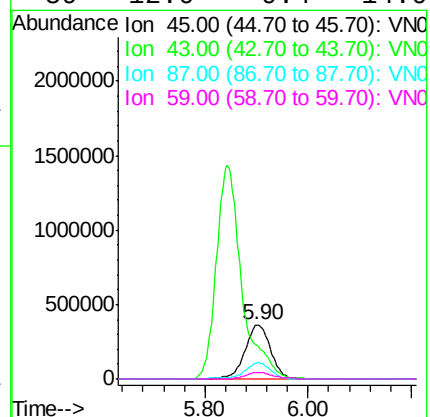
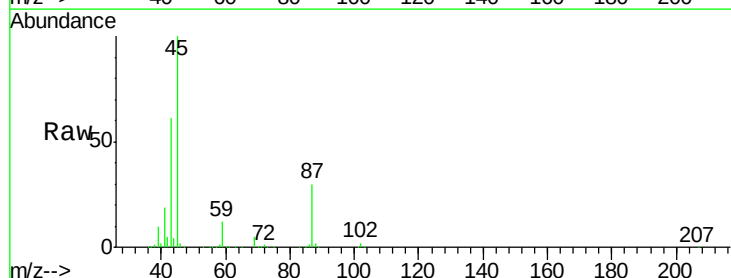
Ion Ratio Lower Upper

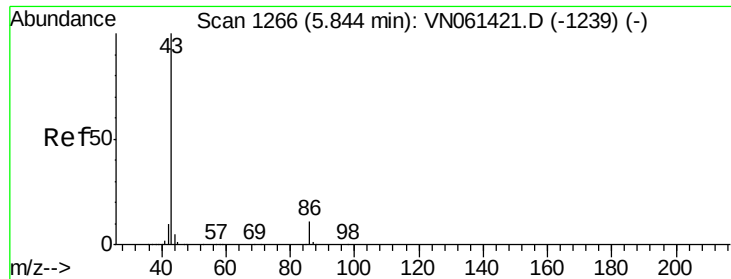
45 100

43 60.1 49.1 73.7

87 29.9 23.0 34.4

59 12.0 9.4 14.0





#23

Vinyl Acetate

Concen: 677.393 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

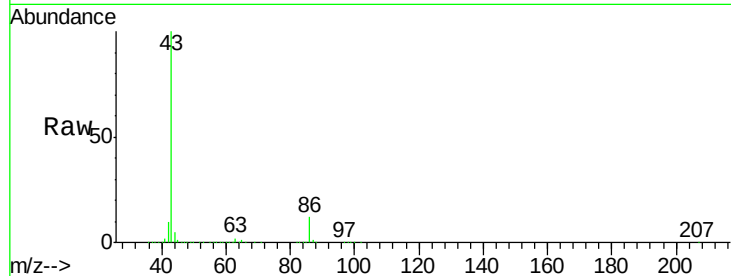
VSTDIC150

Tot Ion: 43 Resp: 4921213

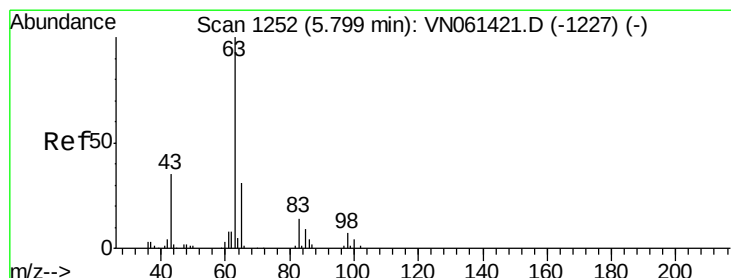
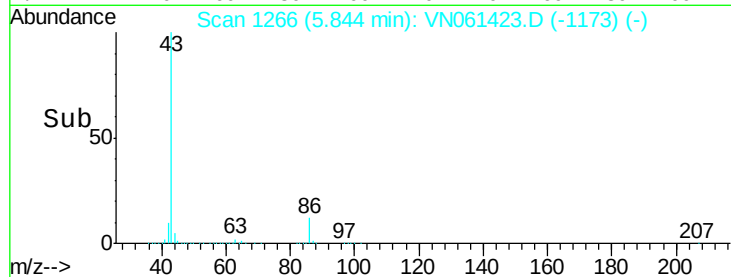
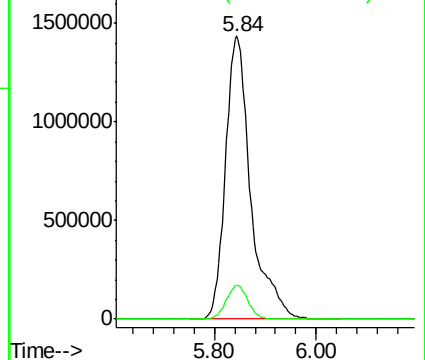
Ion Ratio Lower Upper

43 100

86 12.0 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN061423.D (-1173) (-)



#24

1,1-Dichloroethane

Concen: 146.405 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

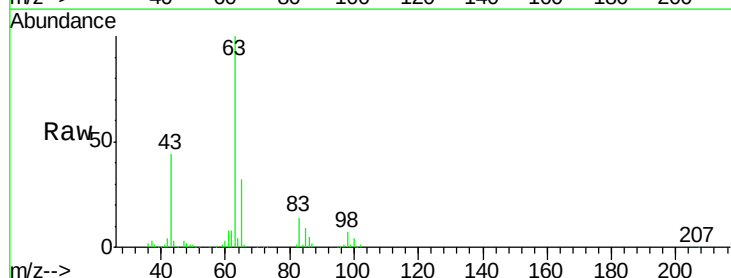
Tgt Ion: 63 Resp: 701527

Ion Ratio Lower Upper

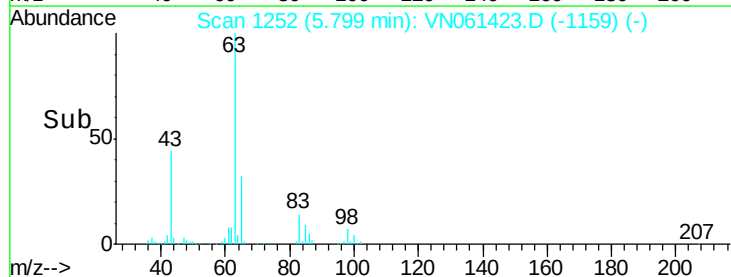
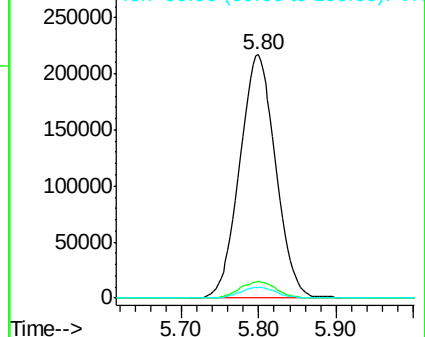
63 100

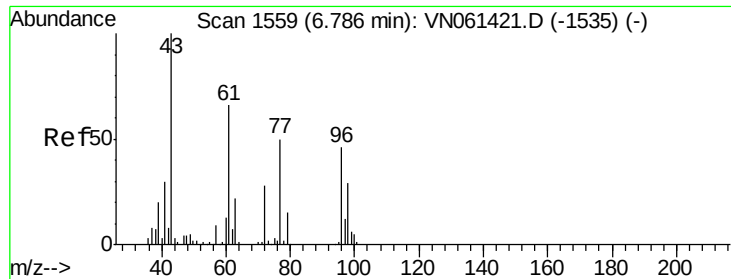
98 6.8 3.6 10.9

100 4.4 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VN061423.D (-1159) (-)

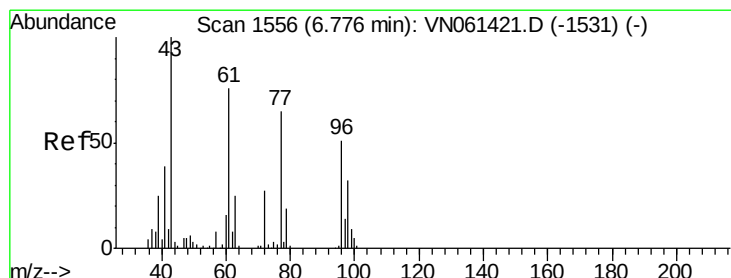
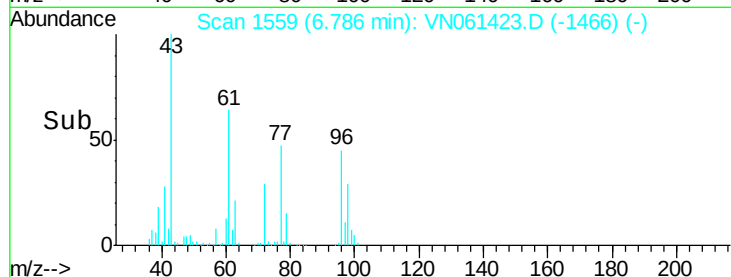
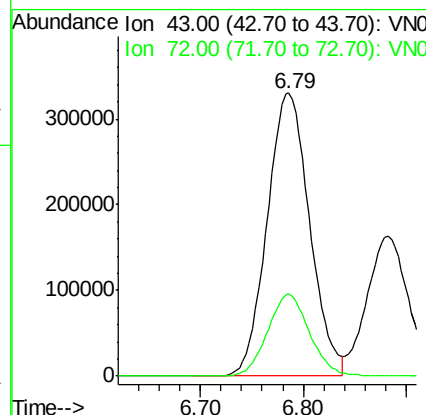
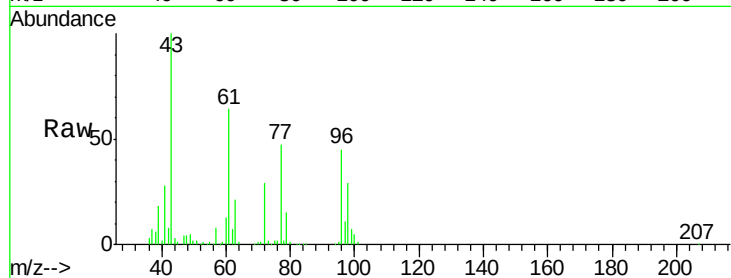




#25
 2-Butanone
 Concen: 526.517 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

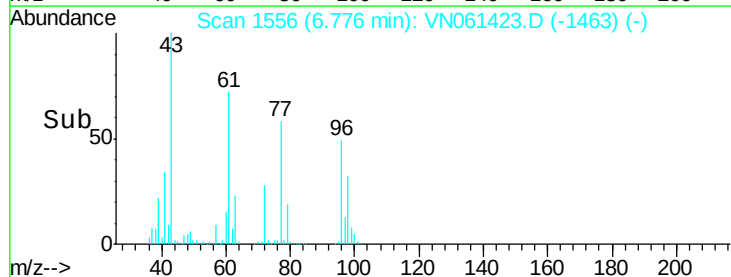
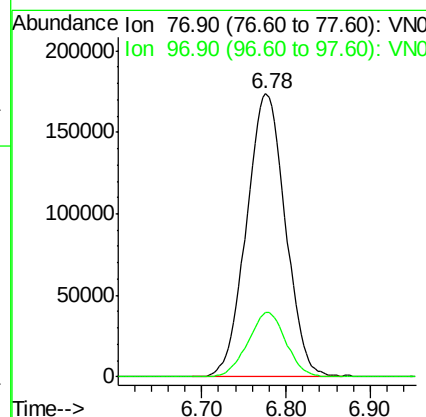
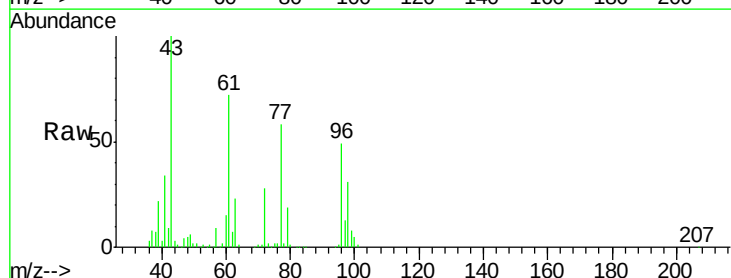
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

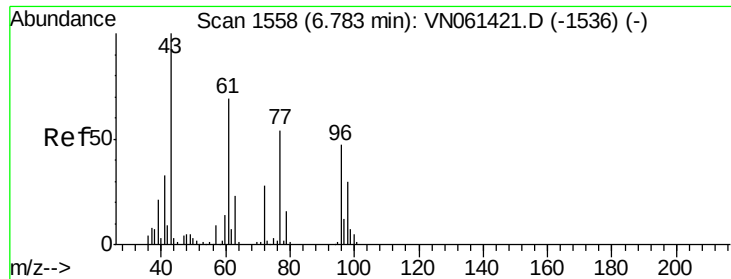
Tot Ion: 43 Resp: 940099
 Ion Ratio Lower Upper
 43 100
 72 29.0 22.6 33.8



#26
 2,2-Dichloropropane
 Concen: 137.393 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Tgt Ion: 77 Resp: 556559
 Ion Ratio Lower Upper
 77 100
 97 22.2 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 159.745 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

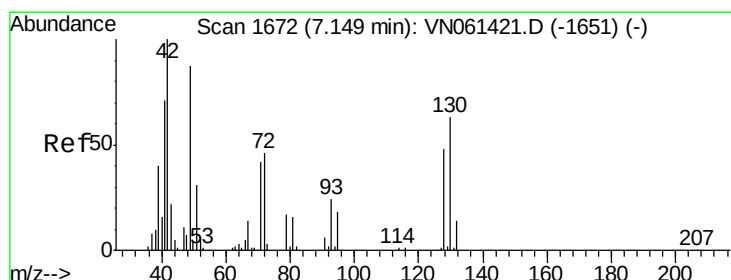
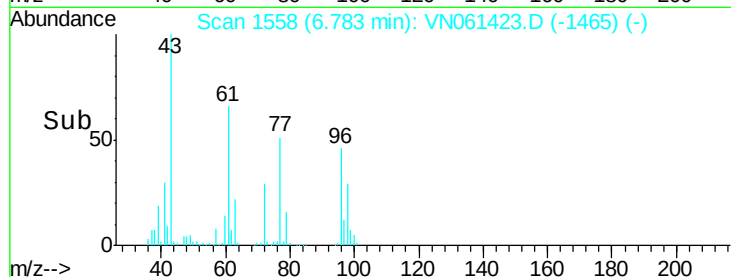
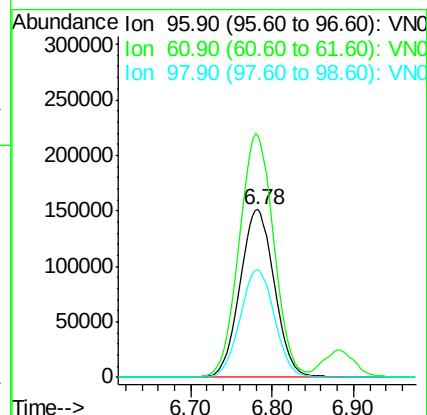
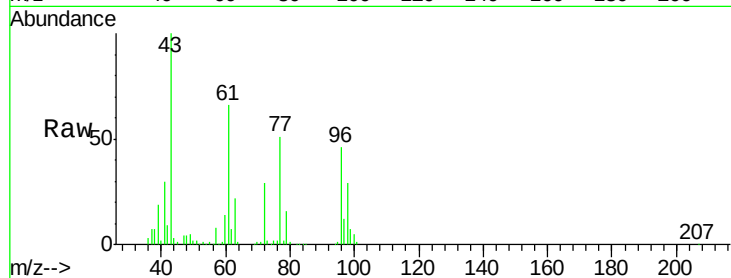
Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 441688

Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	293.0
98	64.1	0.0	127.4



#28

Bromochloromethane

Concen: 134.251 ug/l

RT: 7.15 min Scan# 1673

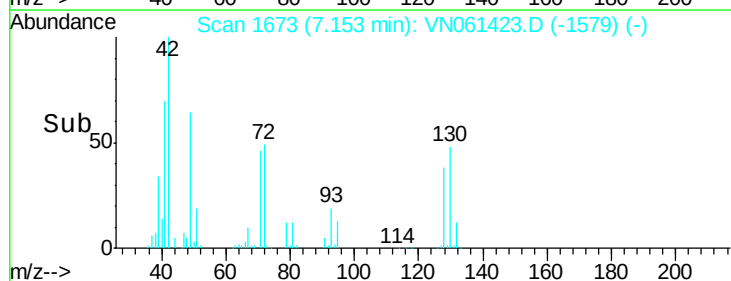
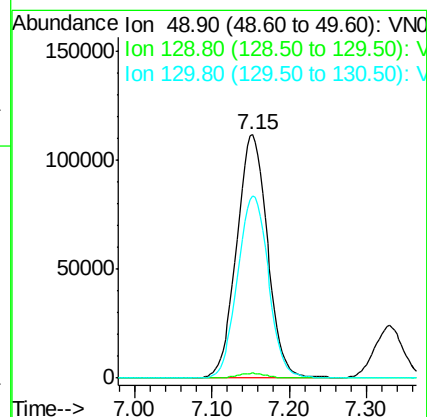
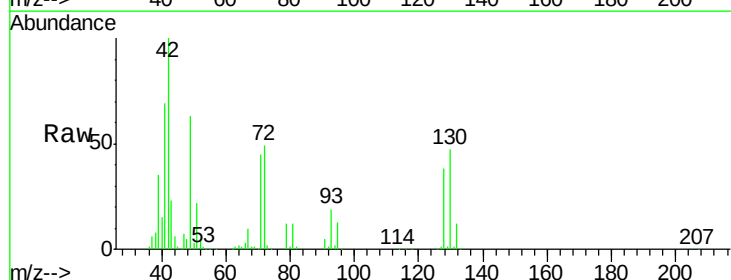
Delta R.T. 0.00 min

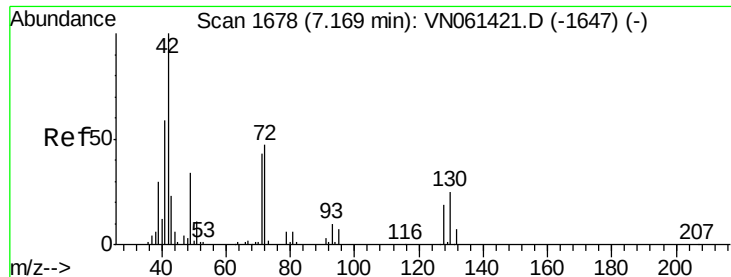
Lab File: VN061423.D

Acq: 15 May 2020 22:32

Tgt Ion: 49 Resp: 309038

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	75.2	57.4	86.0

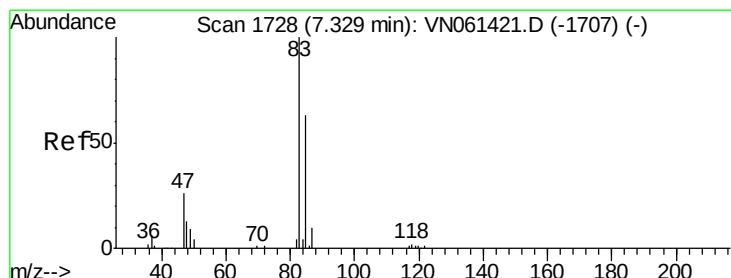
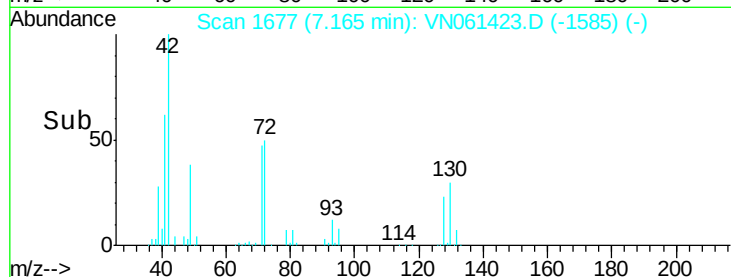
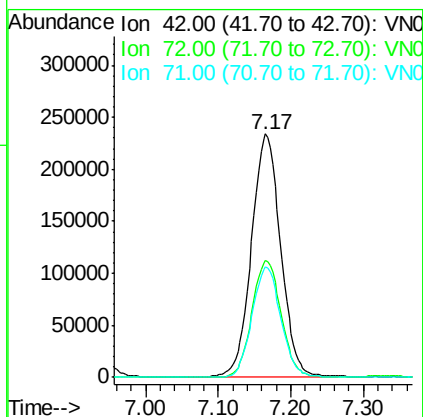
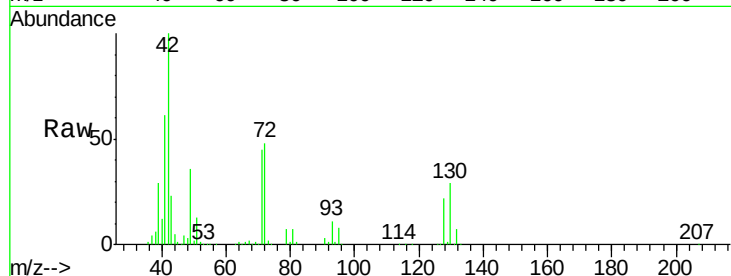




#29
Tetrahydrofuran
Concen: 542.680 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

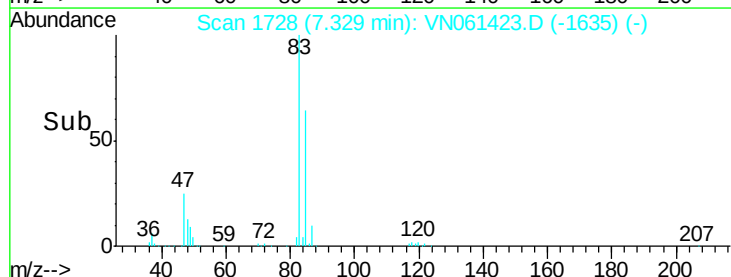
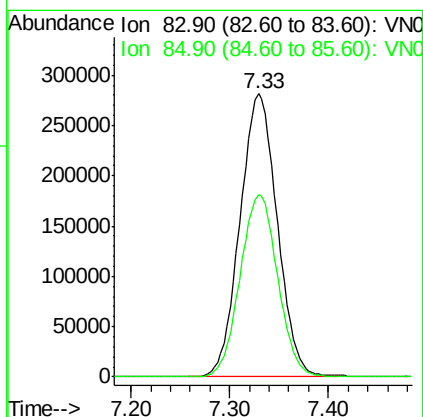
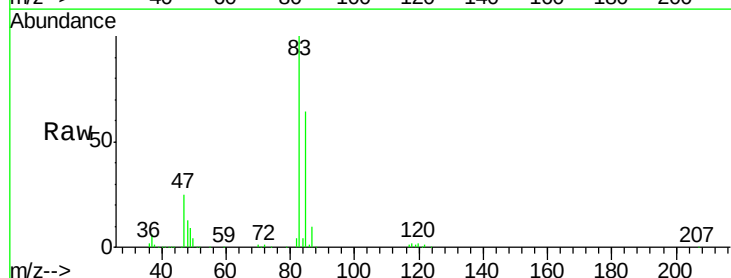
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

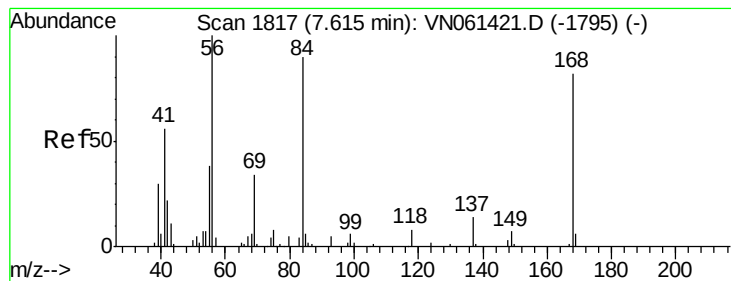
Tot Ion: 42 Resp: 655798
Ion Ratio Lower Upper
42 100
72 48.0 37.1 55.7
71 44.8 34.5 51.7



#30
Chloroform
Concen: 150.419 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

Tgt Ion: 83 Resp: 734458
Ion Ratio Lower Upper
83 100
85 64.5 50.6 76.0





#31

Cyclohexane

Concen: 136.725 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

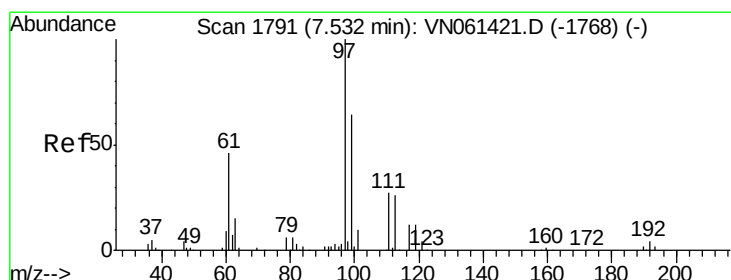
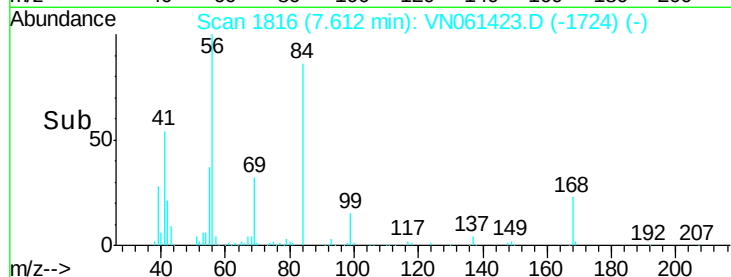
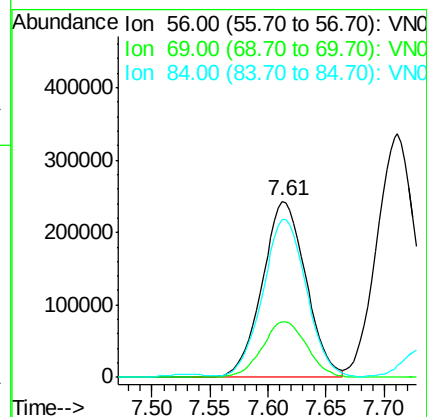
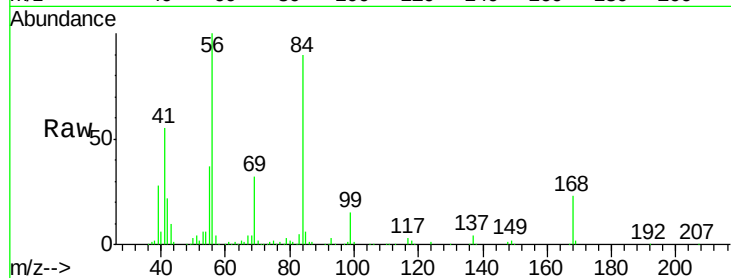
Tot Ion: 56 Resp: 636303

Ion Ratio Lower Upper

56 100

69 31.6 27.0 40.4

84 87.8 71.7 107.5



#32

1,1,1-Trichloroethane

Concen: 154.964 ug/l

RT: 7.53 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

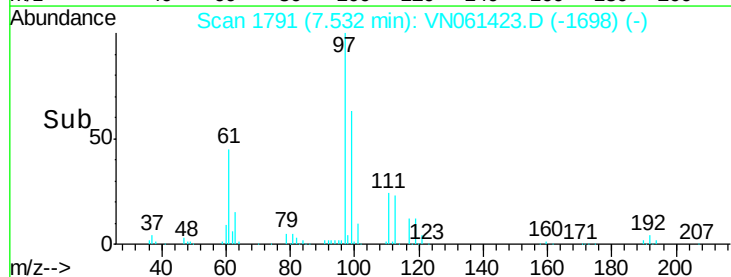
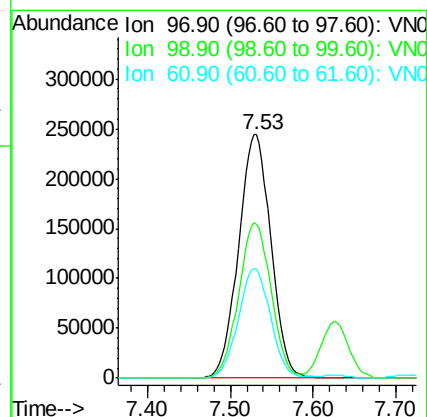
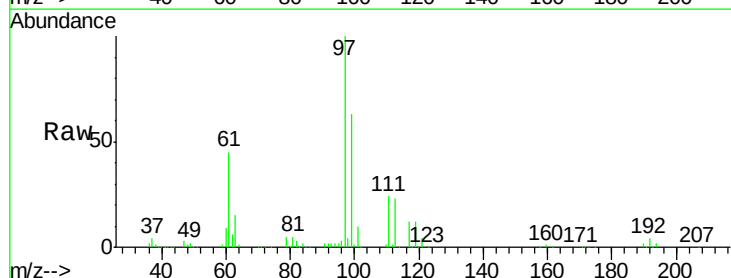
Tgt Ion: 97 Resp: 662821

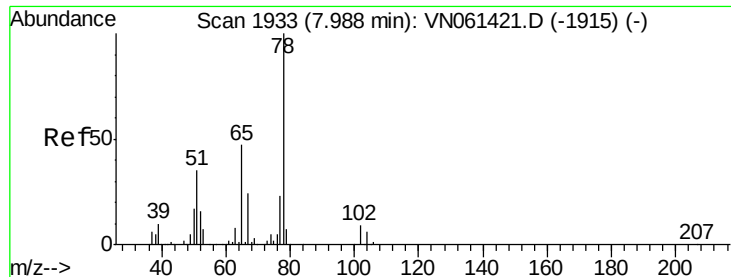
Ion Ratio Lower Upper

97 100

99 63.9 50.7 76.1

61 44.7 37.0 55.4

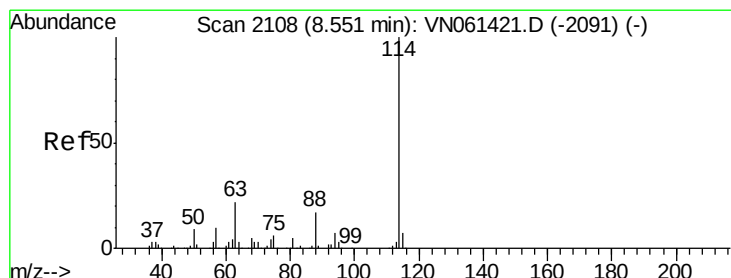
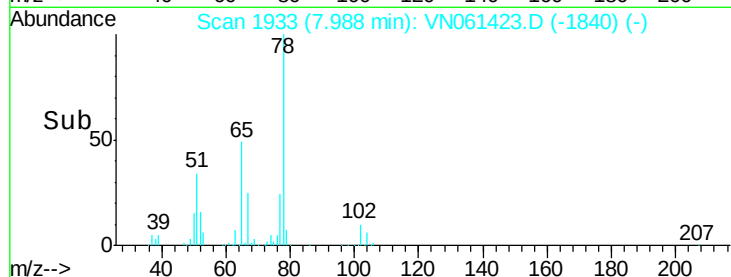
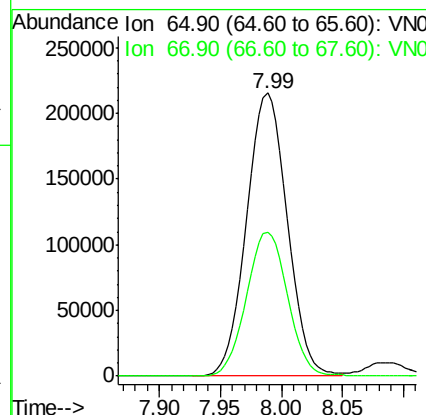
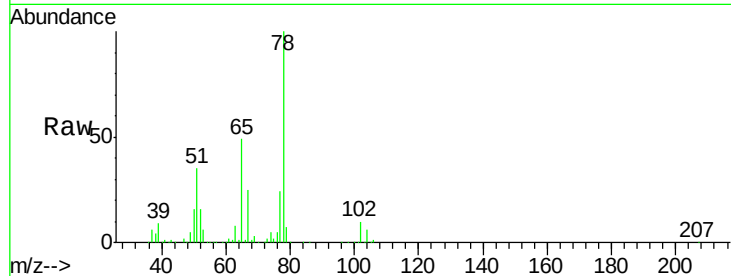




#33
 1,2-Dichloroethane-d4
 Concen: 154.582 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

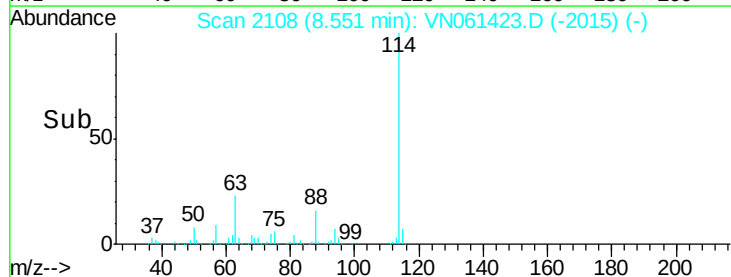
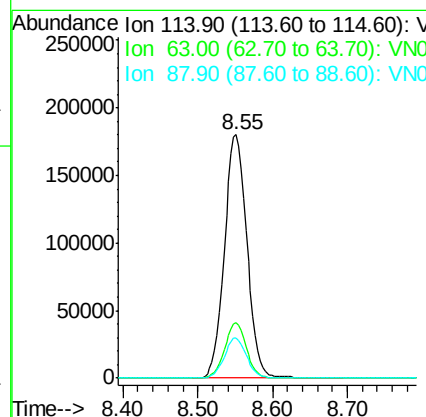
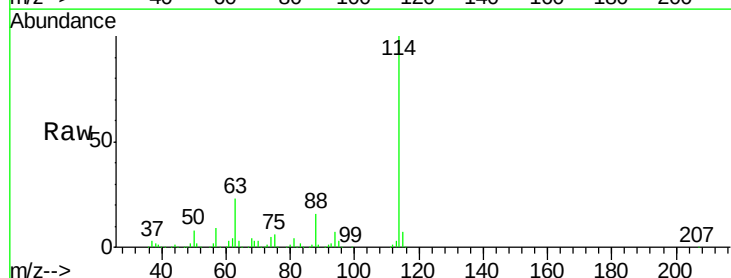
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

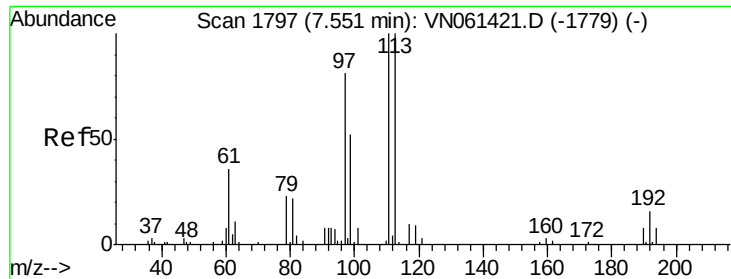
Tot Ion: 65 Resp: 498059
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Tgt Ion: 114 Resp: 375548
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.4
 88 16.4 0.0 33.6

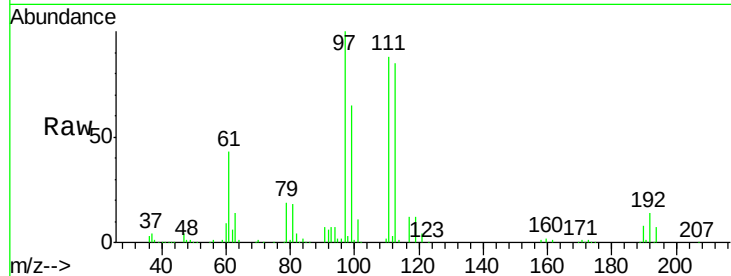




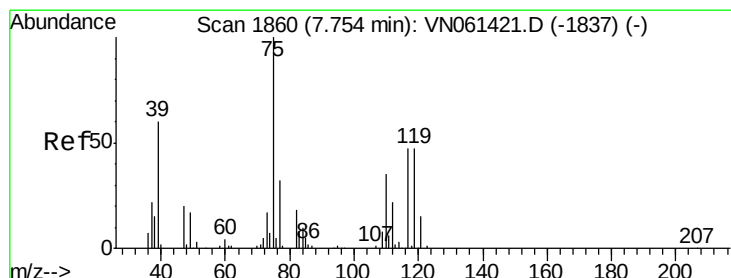
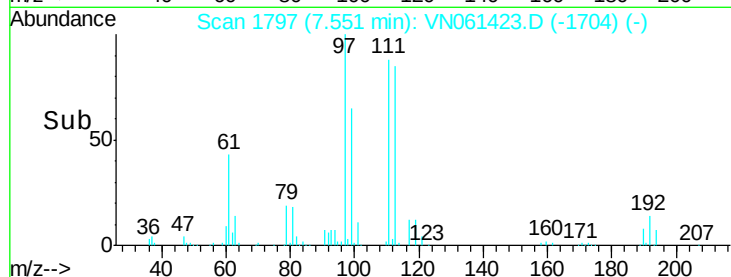
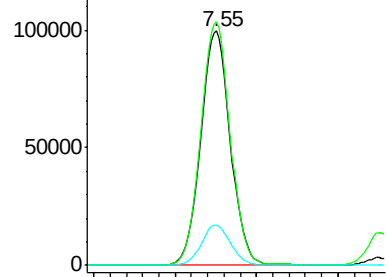
#35
 Dibromofluoromethane
 Concen: 117.183 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	124.0
192	16.8	13.4	20.0

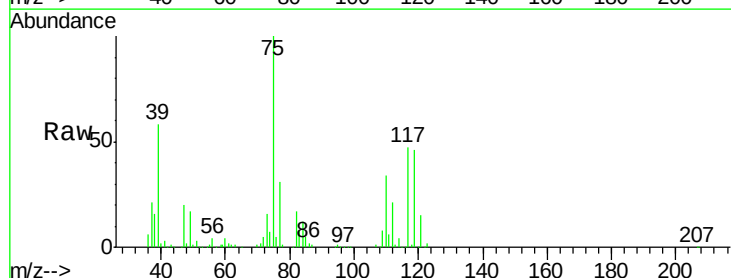


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

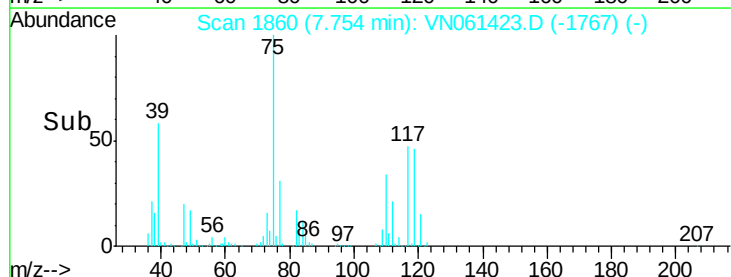
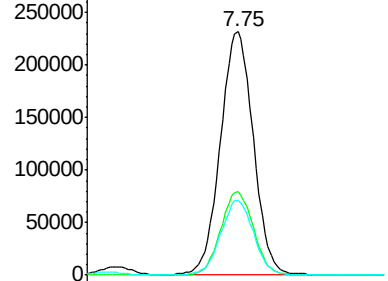


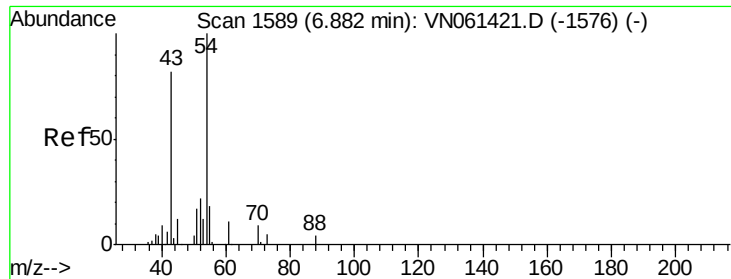
#36
 1,1-Dichloropropene
 Concen: 150.197 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.7	50.1
77	31.1	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

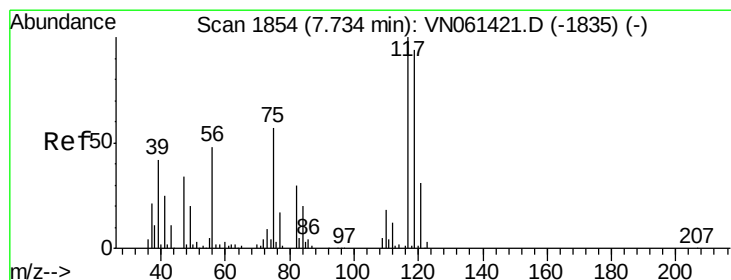
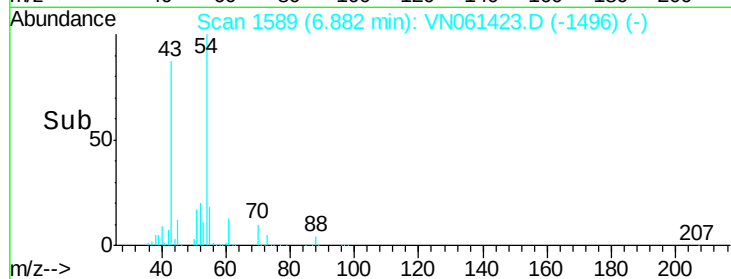
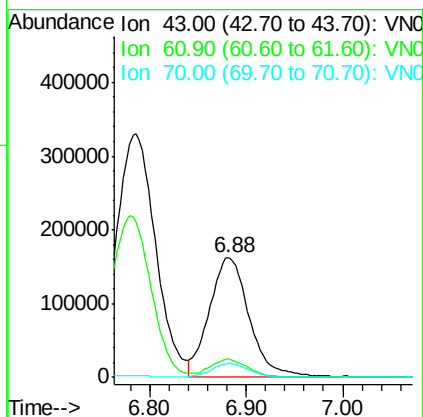
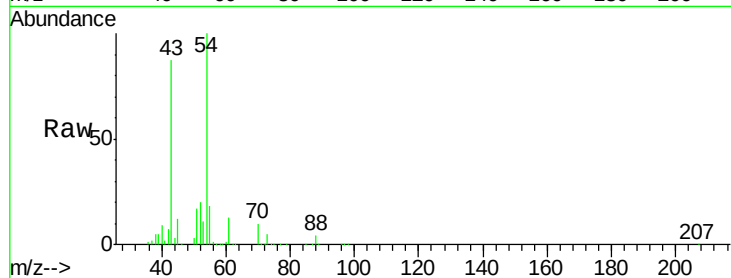




#37
Ethyl Acetate
Concen: 110.316 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

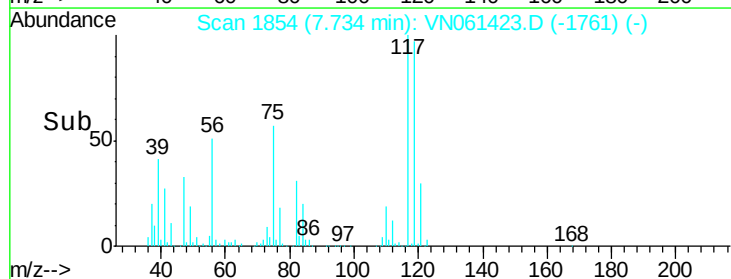
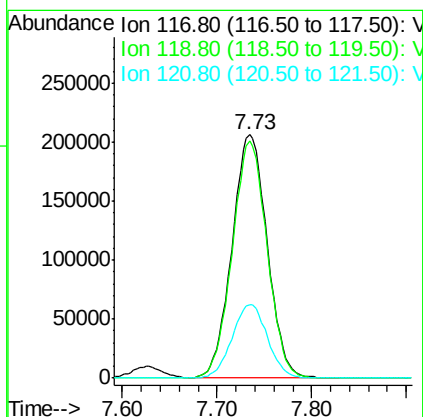
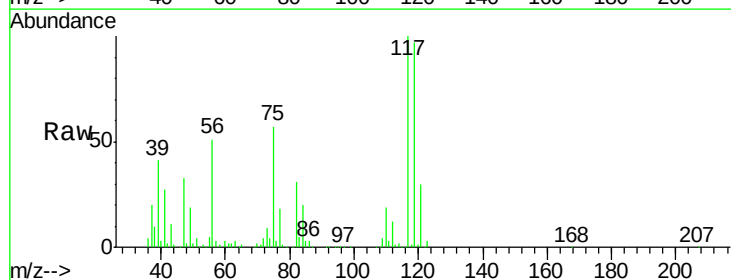
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

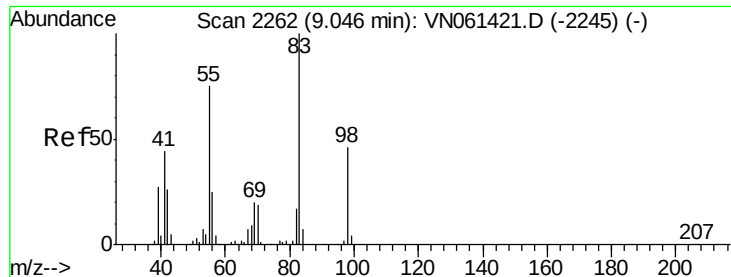
Tot Ion: 43 Resp: 459624
Ion Ratio Lower Upper
43 100
61 14.3 11.5 17.3
70 11.2 8.0 12.0



#38
Carbon Tetrachloride
Concen: 176.293 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

Tgt Ion: 117 Resp: 530204
Ion Ratio Lower Upper
117 100
119 97.5 75.5 113.3
121 30.4 24.6 36.8

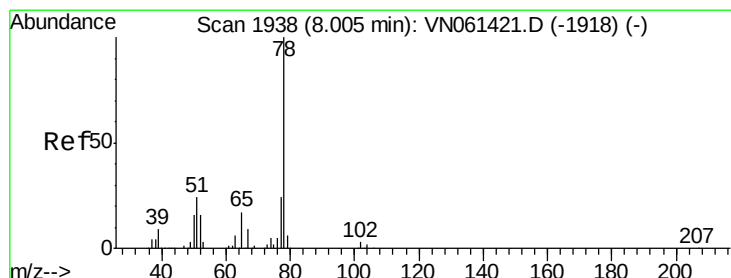
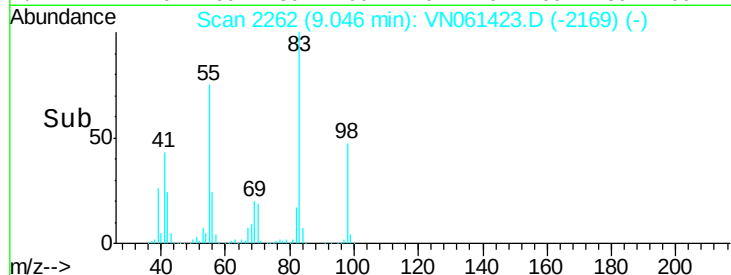
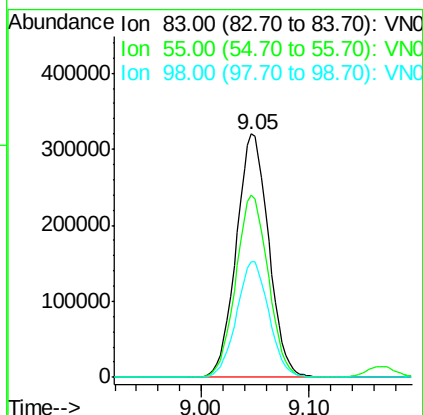
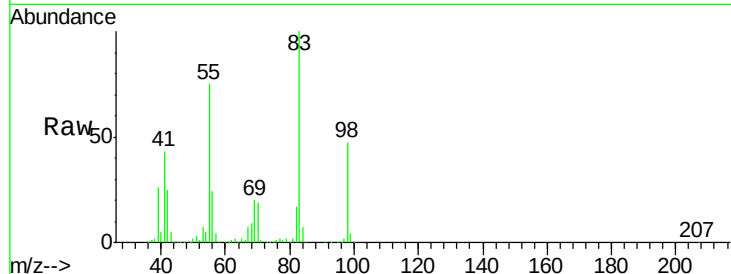




#39
Methylvlcyclohexane
Concen: 158.215 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

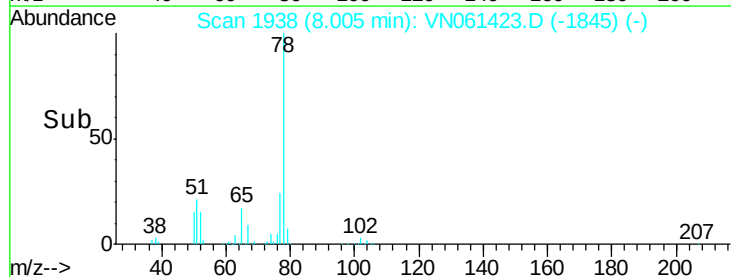
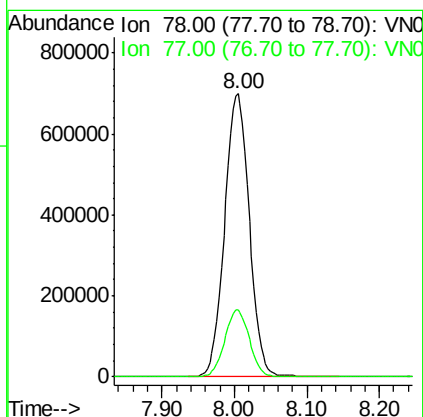
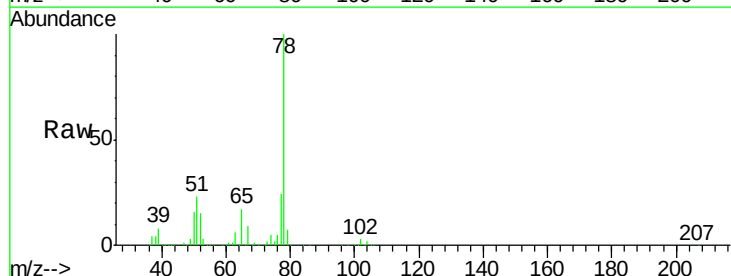
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

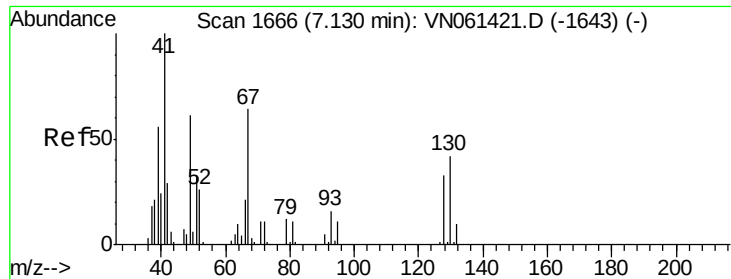
Tot Ion: 83 Resp: 670835
Ion Ratio Lower Upper
83 100
55 75.1 60.1 90.1
98 47.5 37.0 55.6



#40
Benzene
Concen: 148.588 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

Tgt Ion: 78 Resp: 1655498
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6

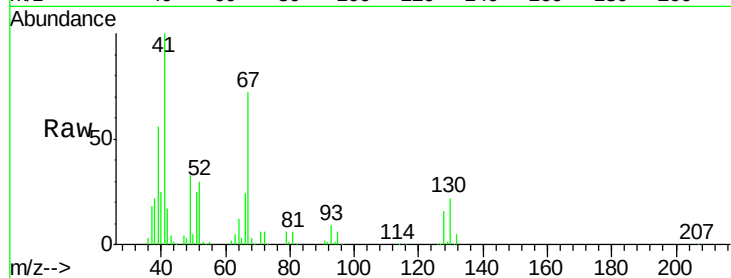




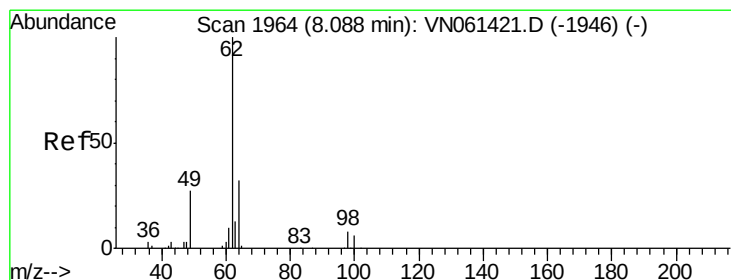
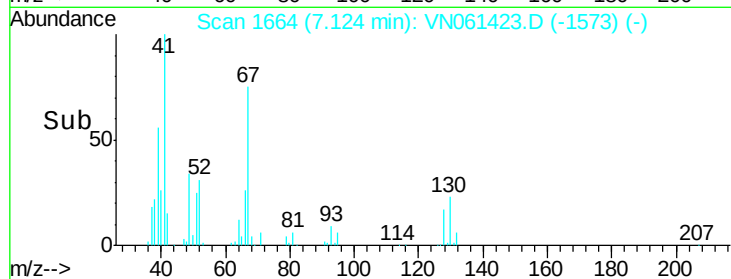
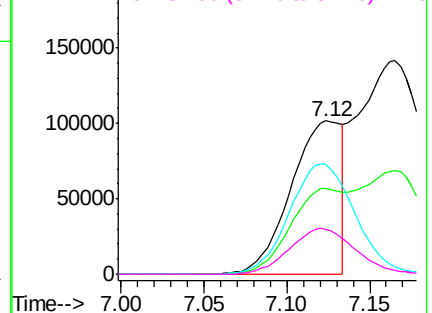
#41
Methacrylonitrile
Concen: 119.415 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	214719
Ion	Ratio	Lower	Upper
41	100		
39	61.1	42.2	63.4
67	94.3	64.7	97.1
52	39.5	27.4	41.2

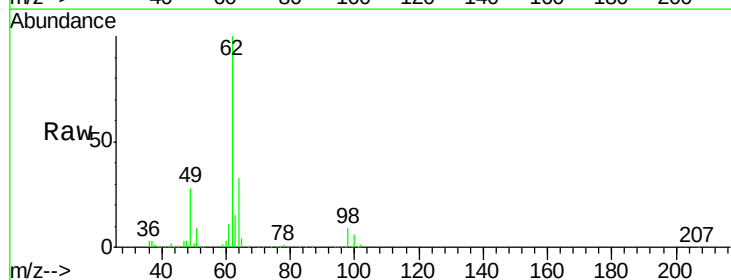


Abundance Ion 41.00 (40.70 to 41.70): VN061423.D (-1643) (-)

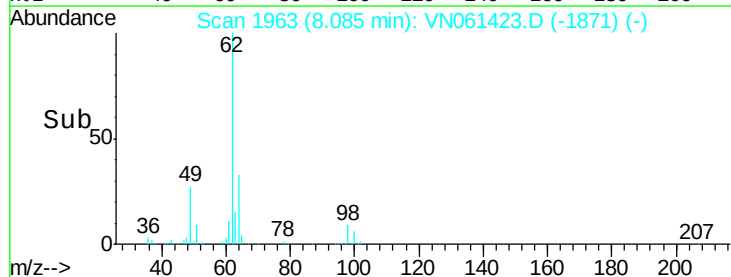
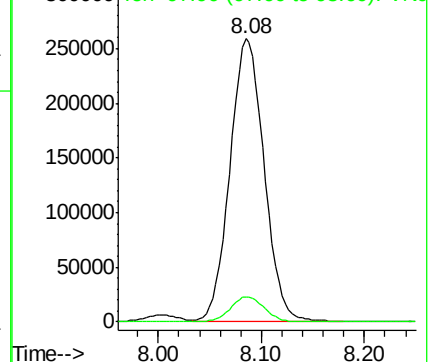


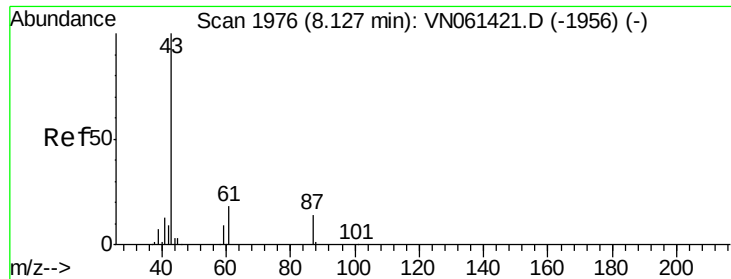
#42
1,2-Dichloroethane
Concen: 142.392 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

Tgt Ion:	62	Resp:	595700
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN061423.D (-1871) (-)





#43

Isopropyl Acetate

Concen: 123.760 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

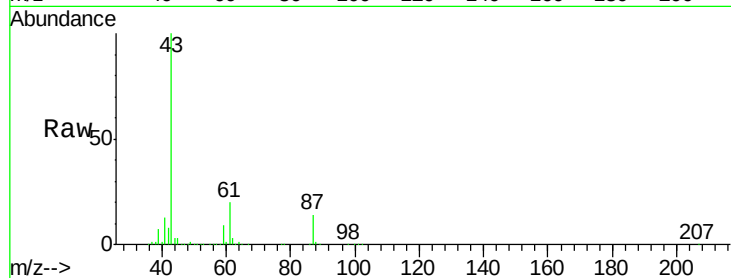
Tot Ion: 43 Resp: 873201

Ion Ratio Lower Upper

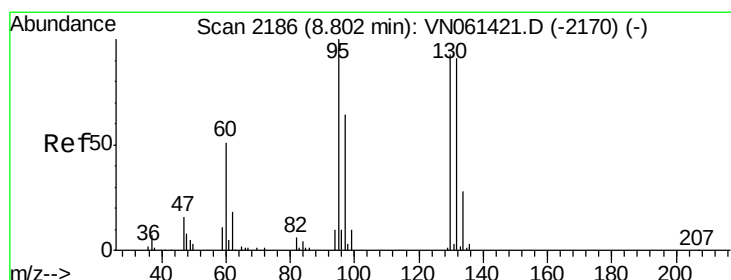
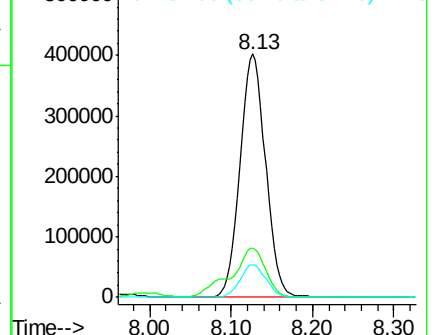
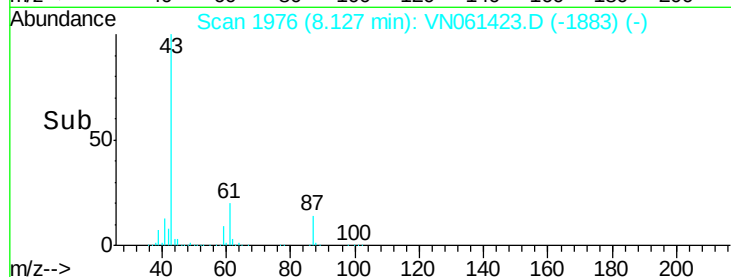
43 100

61 27.5 21.3 31.9

87 13.6 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN061423.D (-1883) (-)



#44

Trichloroethene

Concen: 145.262 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061423.D

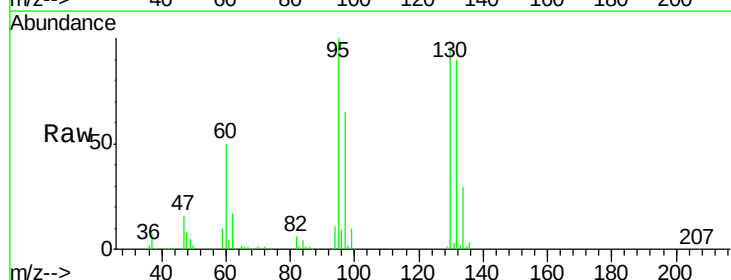
Acq: 15 May 2020 22:32

Tgt Ion: 130 Resp: 435325

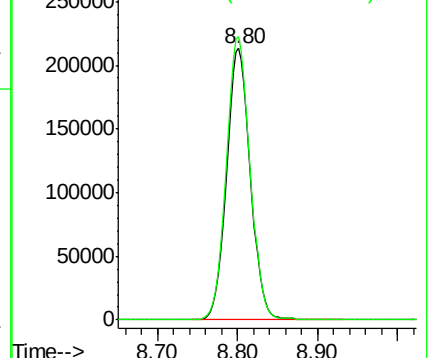
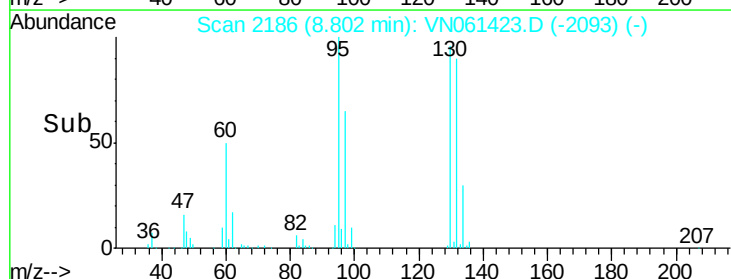
Ion Ratio Lower Upper

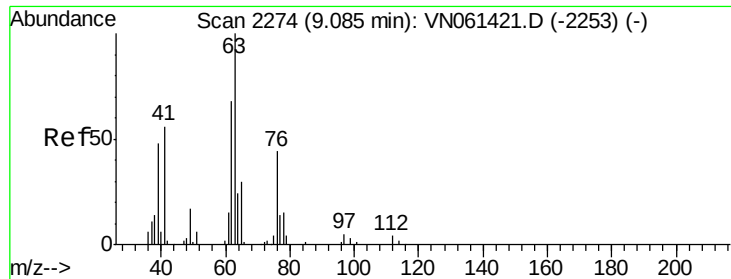
130 100

95 104.2 0.0 214.8



Abundance Ion 129.80 (129.50 to 130.50): VN061423.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 139.342 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

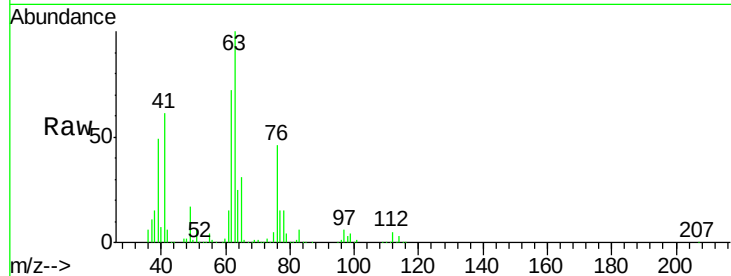
VSTDIC150

Tot Ion: 63 Resp: 411886

Ion Ratio Lower Upper

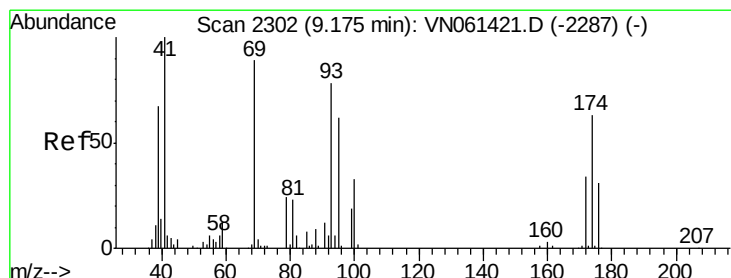
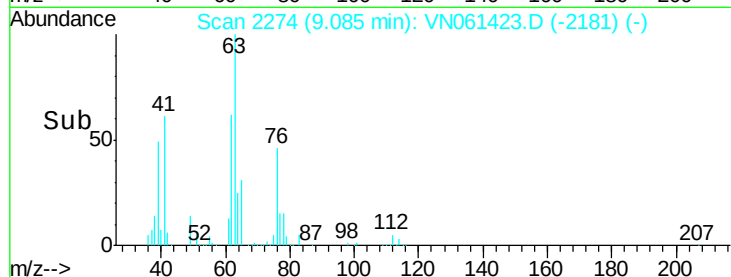
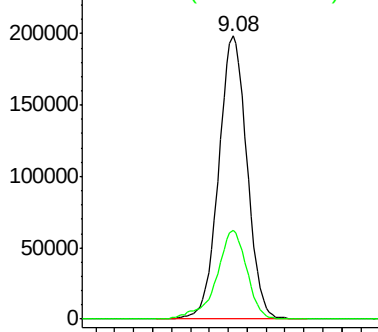
63 100

65 31.4 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 157.038 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

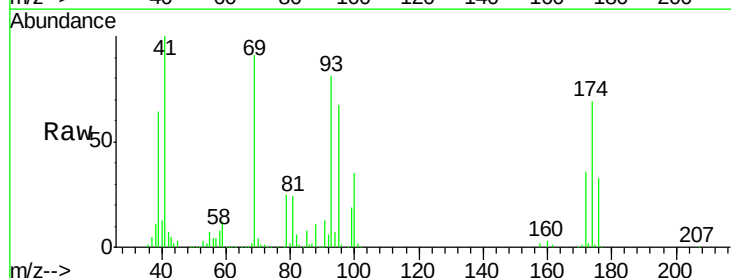
Tgt Ion: 93 Resp: 290124

Ion Ratio Lower Upper

93 100

95 83.4 65.3 97.9

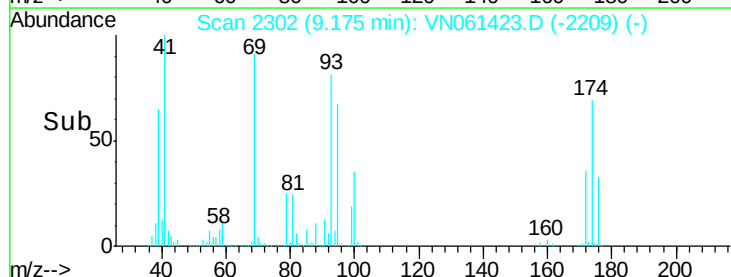
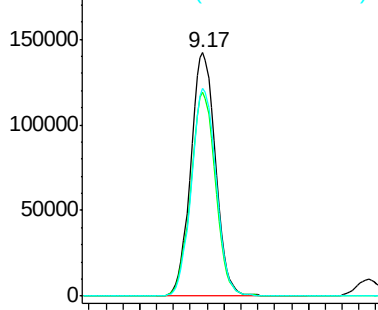
174 85.2 66.2 99.2

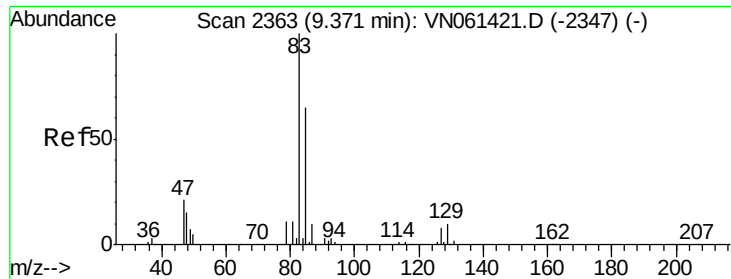


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 154.173 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

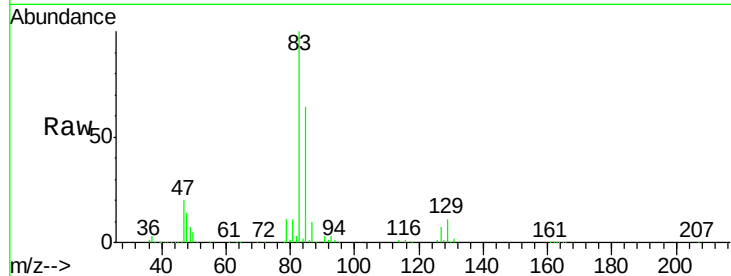
Tot Ion: 83 Resp: 610849

Ion Ratio Lower Upper

83 100

85 64.5 52.1 78.1

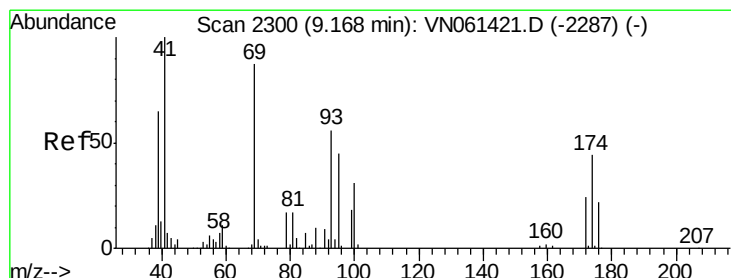
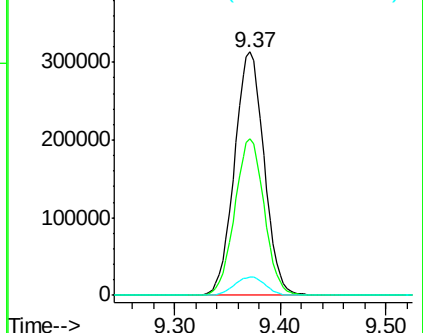
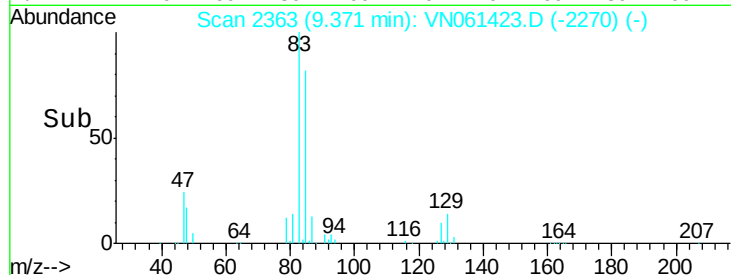
127 7.5 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN061423.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061423.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061423.D (-2270) (-)



#48

Methyl methacrylate

Concen: 125.706 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

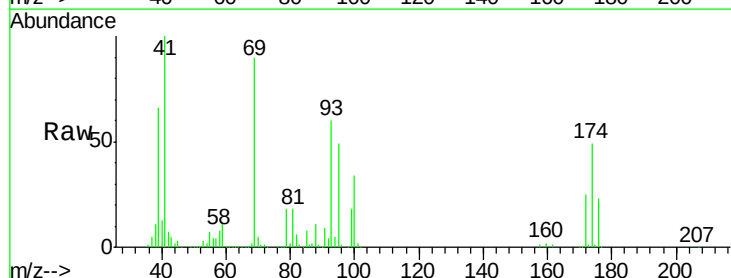
Tgt Ion: 41 Resp: 399154

Ion Ratio Lower Upper

41 100

69 91.3 71.1 106.7

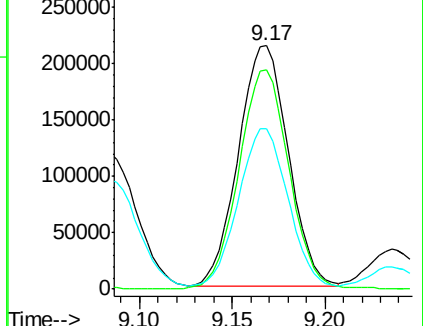
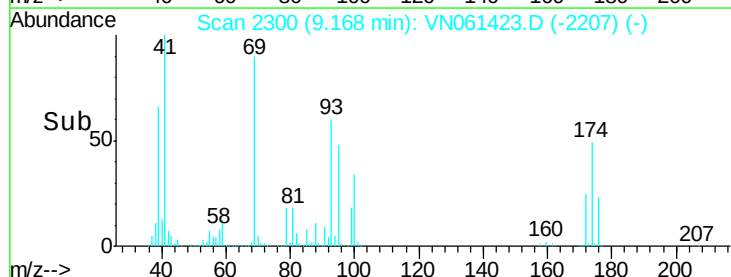
39 67.1 54.8 82.2

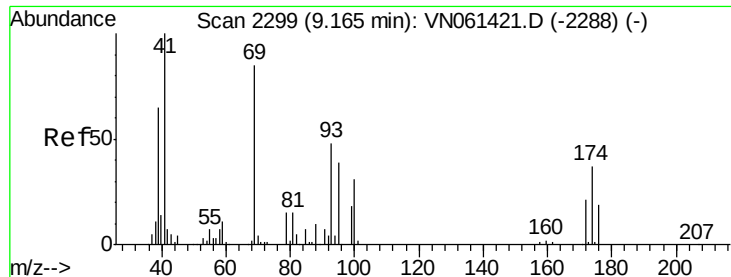


Abundance Ion 41.00 (40.70 to 41.70): VN061423.D (-2207) (-)

Ion 69.00 (68.70 to 69.70): VN061423.D (-2207) (-)

Ion 39.00 (38.70 to 39.70): VN061423.D (-2207) (-)

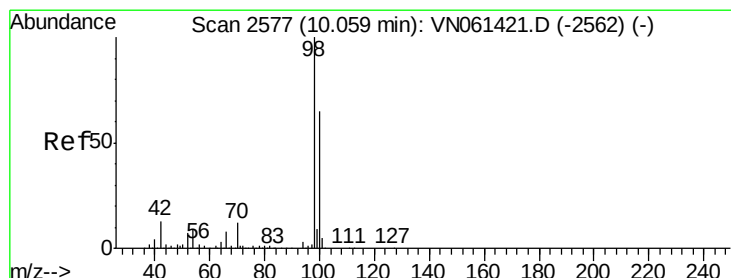
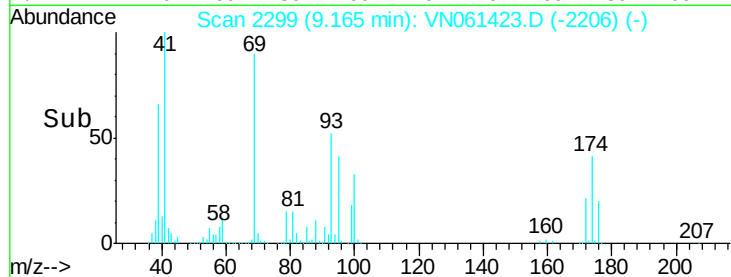
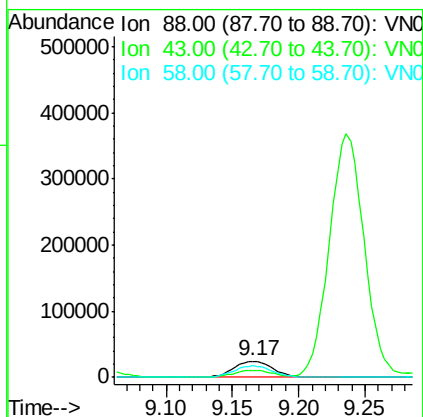
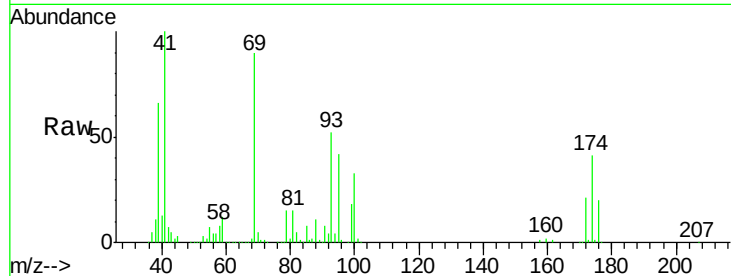




#49
 1,4-Dioxane
 Concen: 1474.818 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

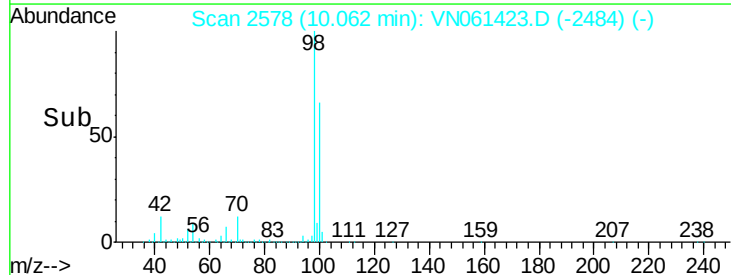
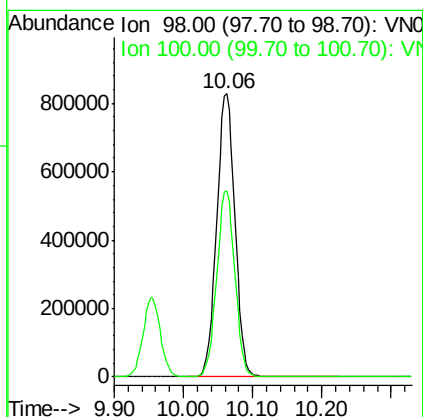
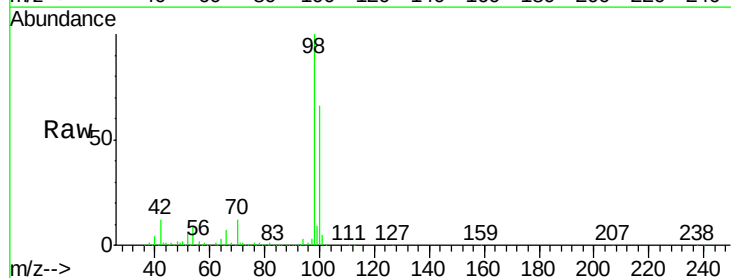
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

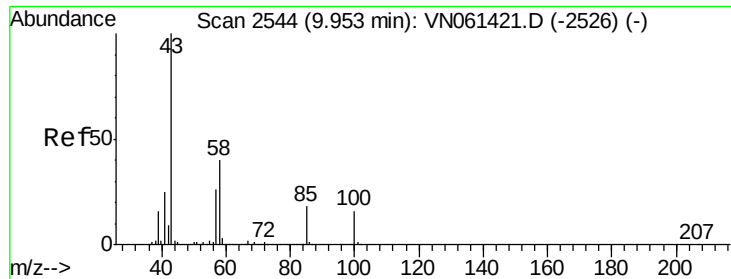
Tot Ion: 88 Resp: 50235
 Ion Ratio Lower Upper
 88 100
 43 42.0 38.9 58.3
 58 70.4 55.5 83.3



#50
 Toluene-d8
 Concen: 165.692 ug/l
 RT: 10.06 min Scan# 2578
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Tgt Ion: 98 Resp: 1511167
 Ion Ratio Lower Upper
 98 100
 100 65.1 52.0 78.0

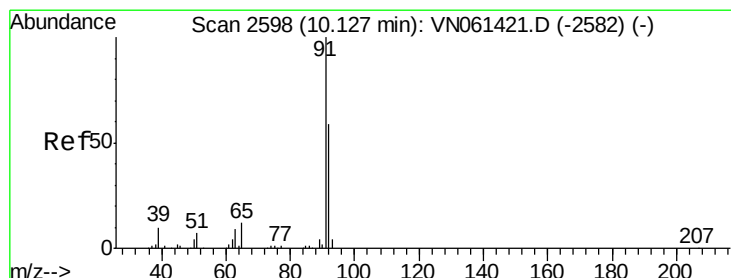
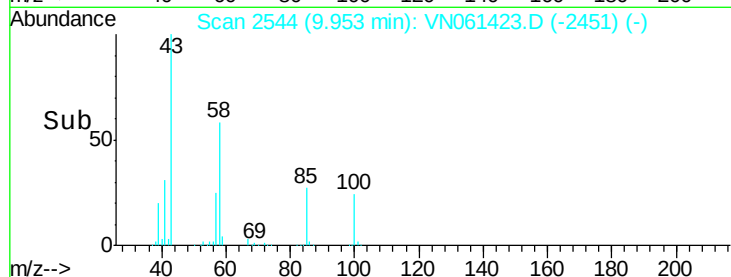
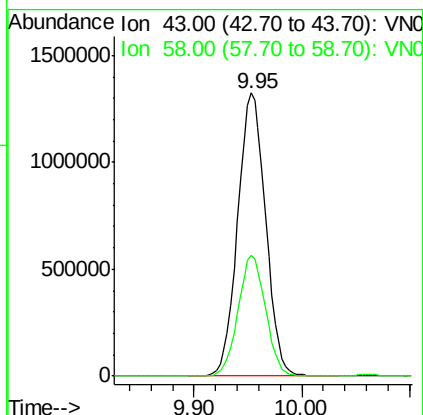
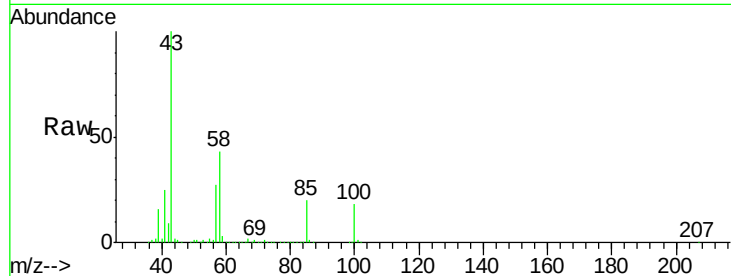




#51
 4-Methyl-2-Pentanone
 Concen: 583.102 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

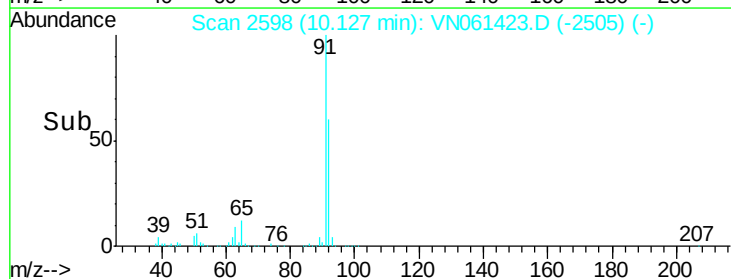
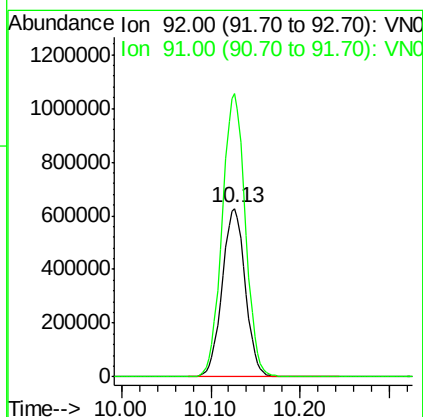
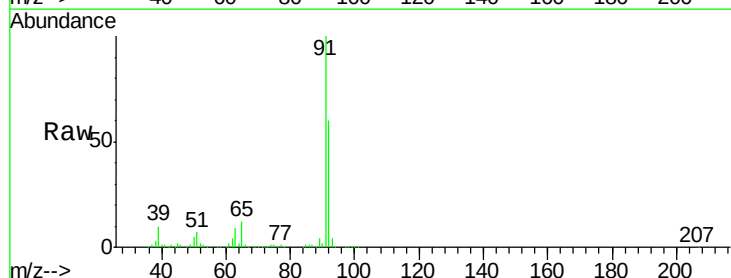
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

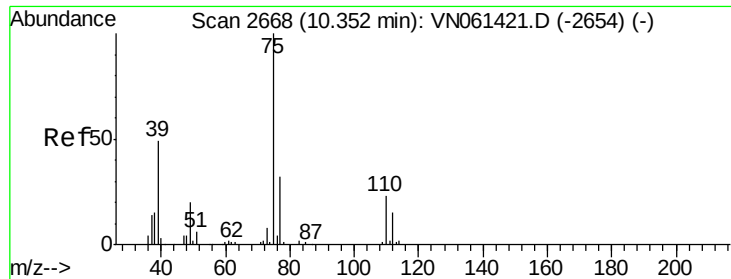
Tot Ion: 43 Resp: 2386569
 Ion Ratio Lower Upper
 43 100
 58 41.9 32.2 48.4



#52
 Toluene
 Concen: 165.592 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Tgt Ion: 92 Resp: 1120788
 Ion Ratio Lower Upper
 92 100
 91 169.3 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 156.576 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

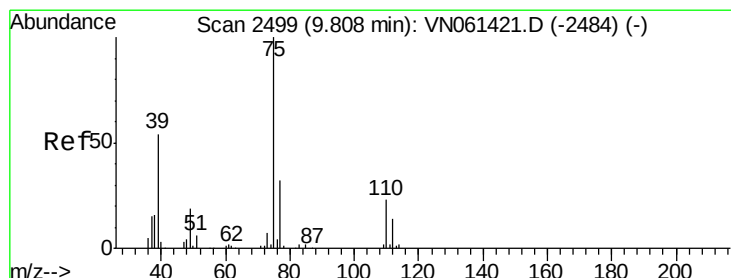
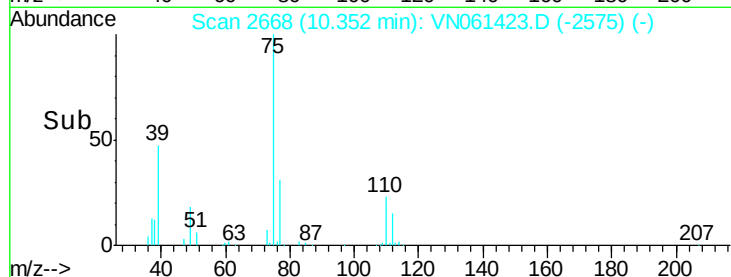
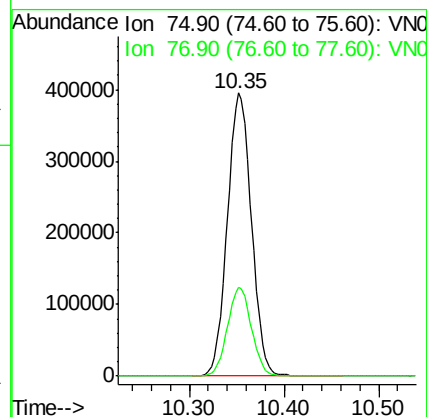
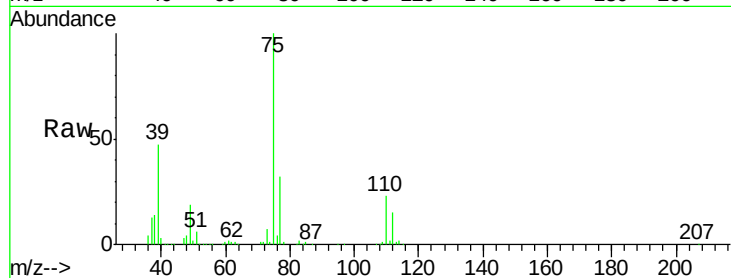
VSTDIC150

Tot Ion: 75 Resp: 699073

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 152.974 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

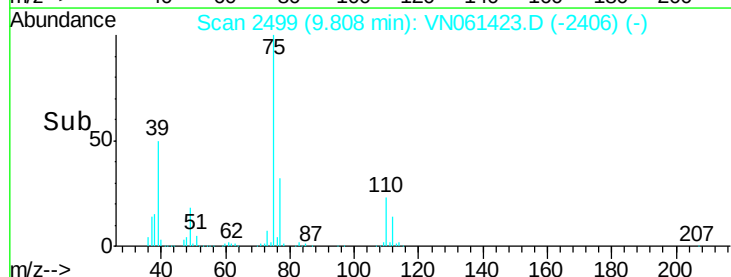
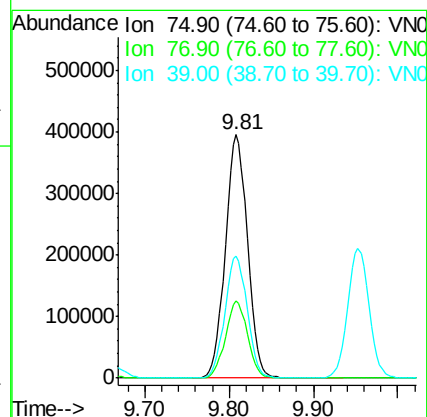
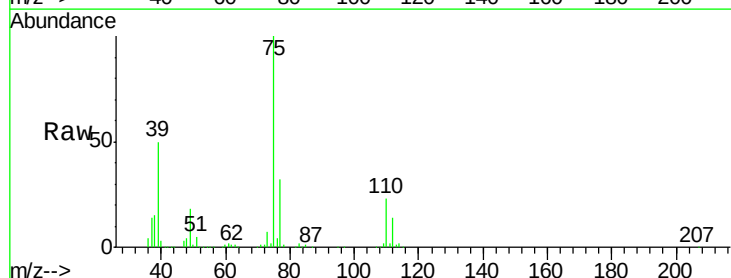
Tgt Ion: 75 Resp: 721358

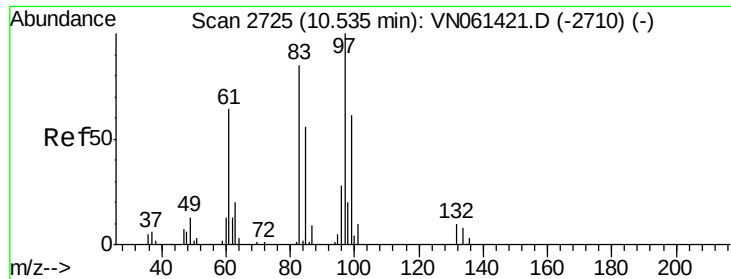
Ion Ratio Lower Upper

75 100

77 31.6 26.0 39.0

39 50.1 43.0 64.6

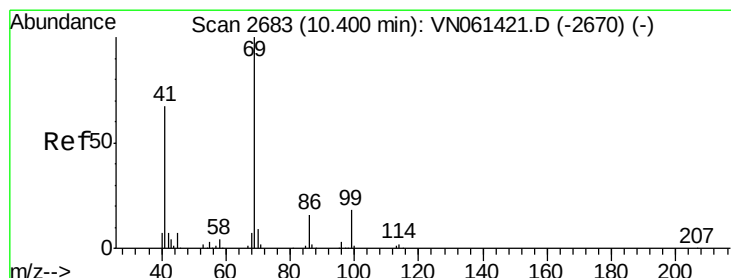
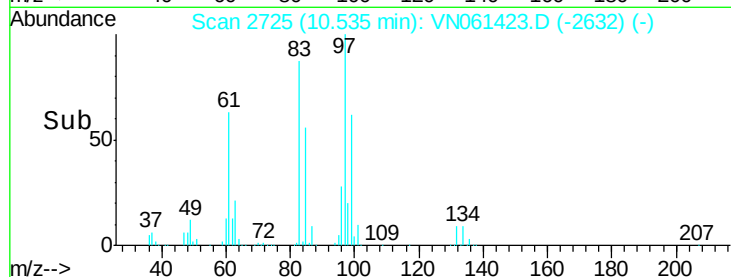
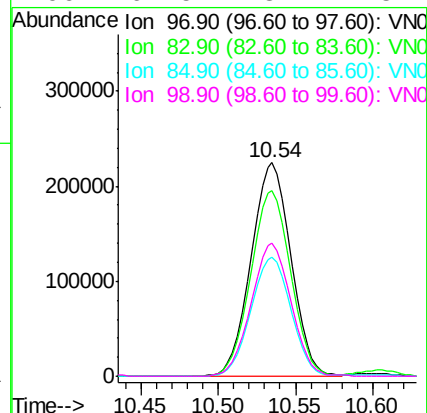
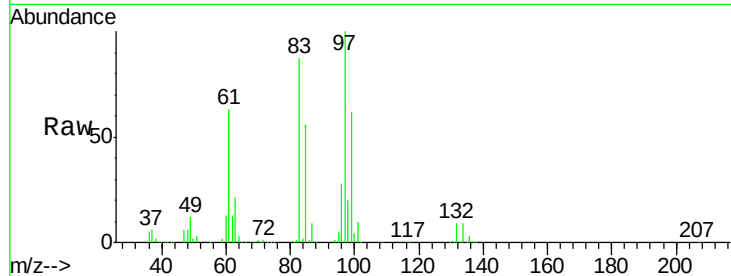




#55
 1,1,2-Trichloroethane
 Concen: 150.547 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

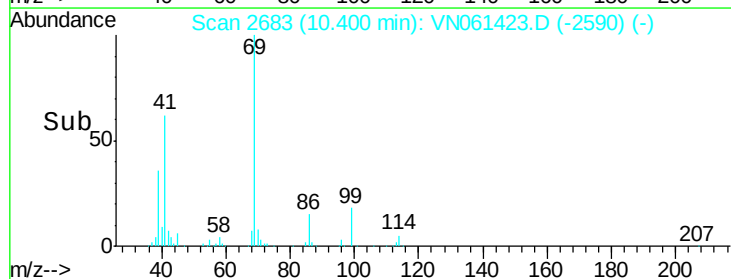
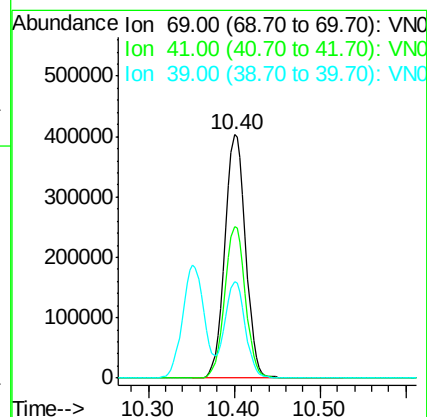
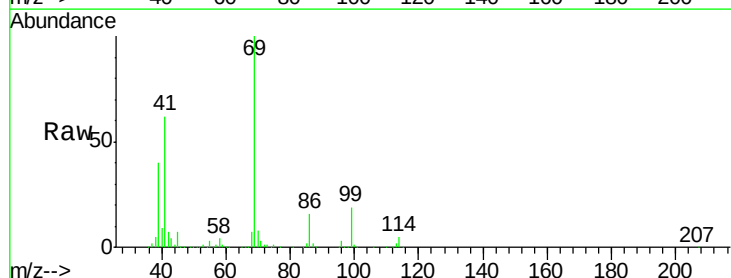
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

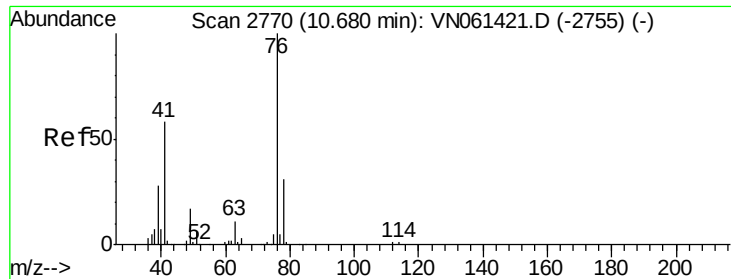
Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	67.7	101.5
85	55.8	44.6	66.8
99	62.5	48.7	73.1



#56
 Ethyl methacrylate
 Concen: 167.232 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.9	51.6	77.4
39	39.1	32.9	49.3

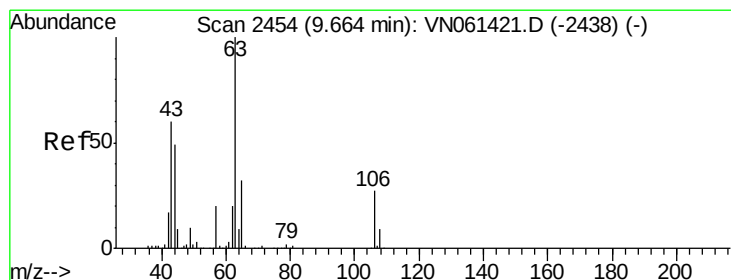
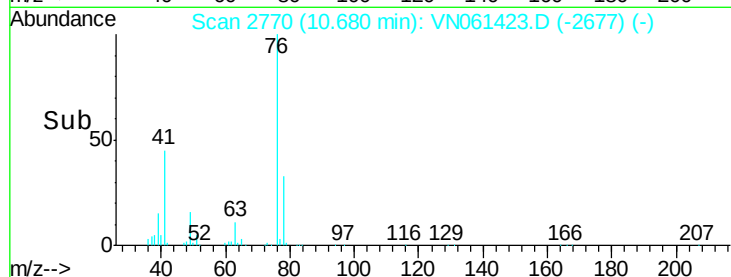
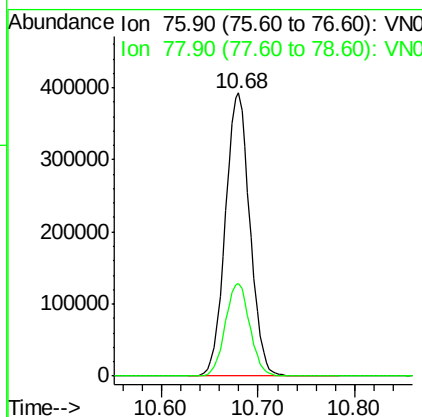
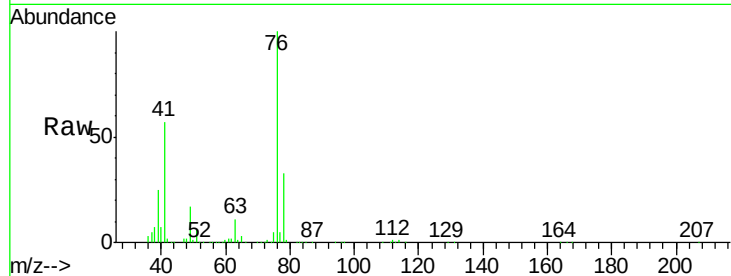




#57
 1,3-Dichloropropane
 Concen: 147.175 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

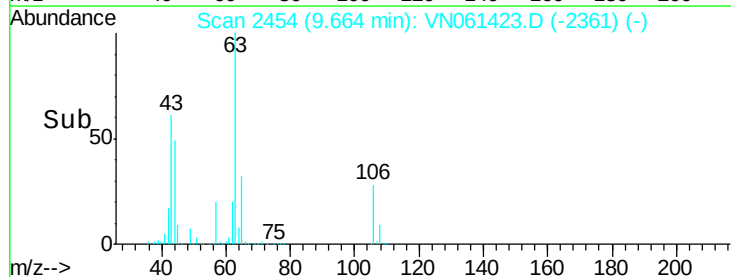
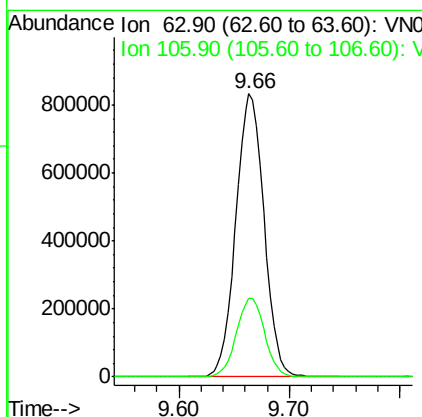
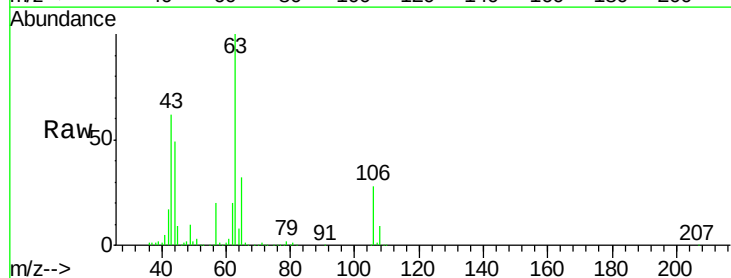
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

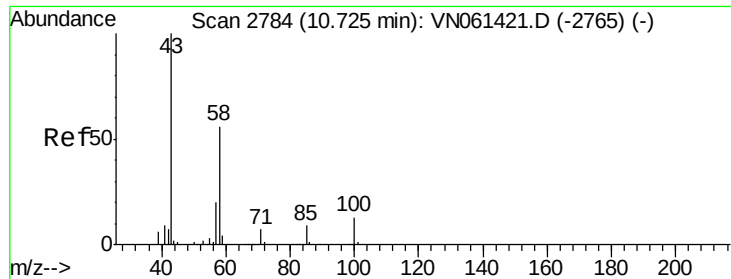
Tot Ion: 76 Resp: 689878
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 695.073 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Tgt Ion: 63 Resp: 1473250
 Ion Ratio Lower Upper
 63 100
 106 28.0 21.7 32.5

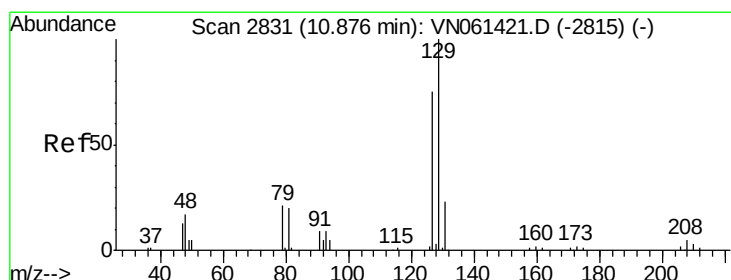
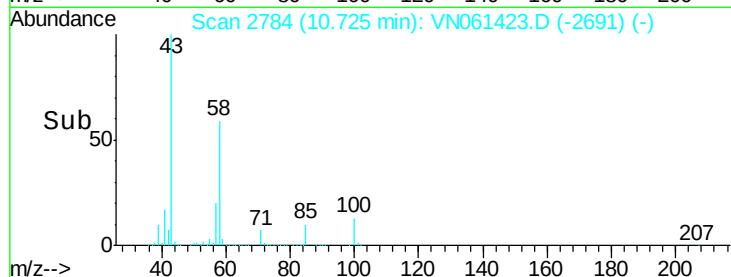
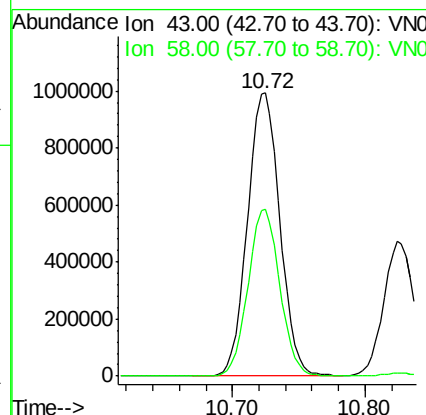
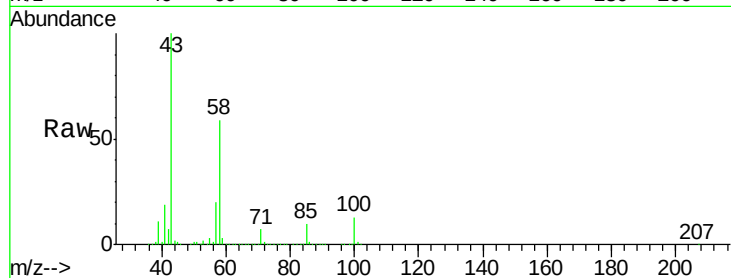




#59
2-Hexanone
Concen: 569.406 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

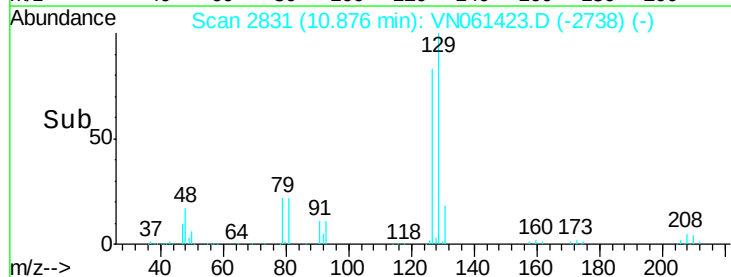
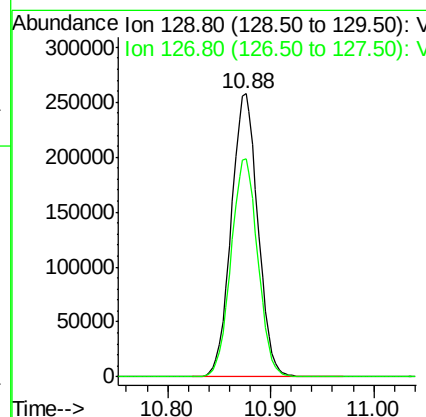
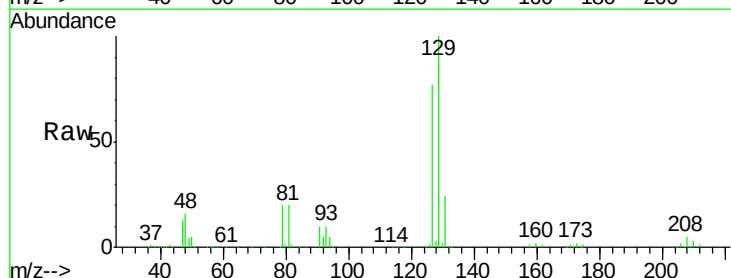
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

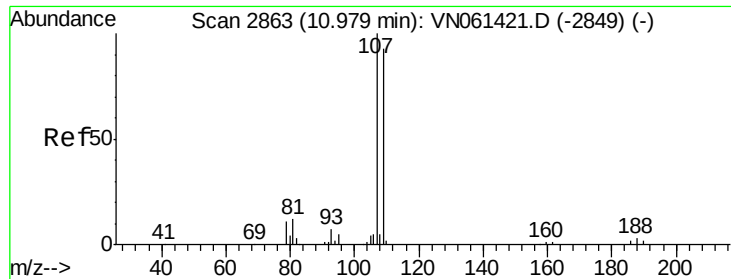
Tot Ion: 43 Resp: 1679997
Ion Ratio Lower Upper
43 100
58 58.1 27.9 83.7



#60
Dibromochloromethane
Concen: 164.503 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

Tgt Ion: 129 Resp: 464995
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 159.490 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampled :

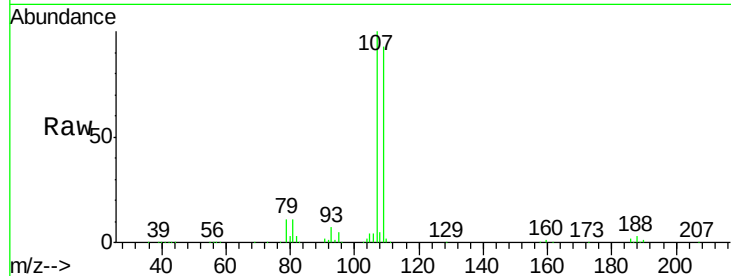
VSTDIC150

Tot Ion:107 Resp: 429200

Ion Ratio Lower Upper

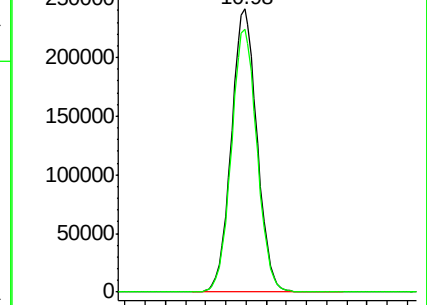
107 100

109 93.1 74.5 111.7

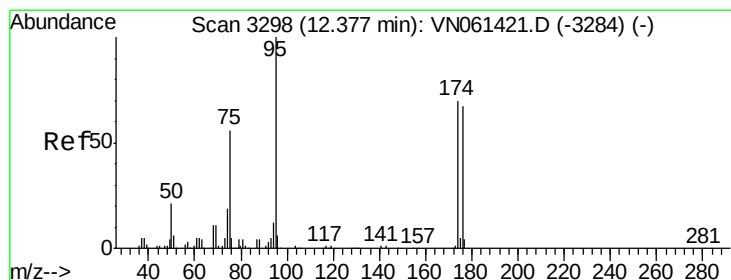
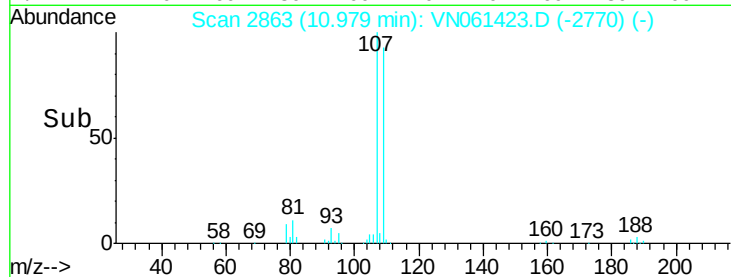


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 167.267 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

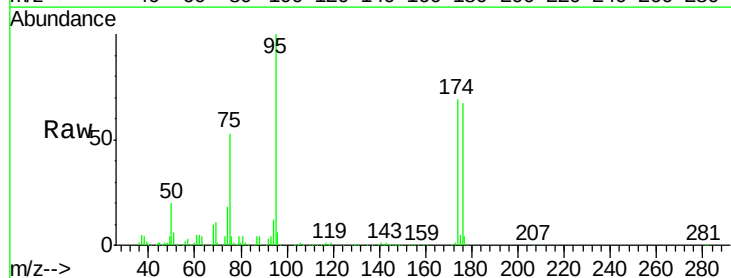
Tgt Ion: 95 Resp: 574307

Ion Ratio Lower Upper

95 100

174 69.3 0.0 140.4

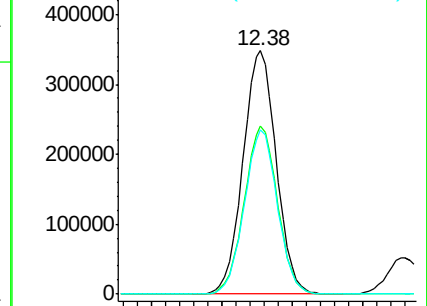
176 67.0 0.0 134.0



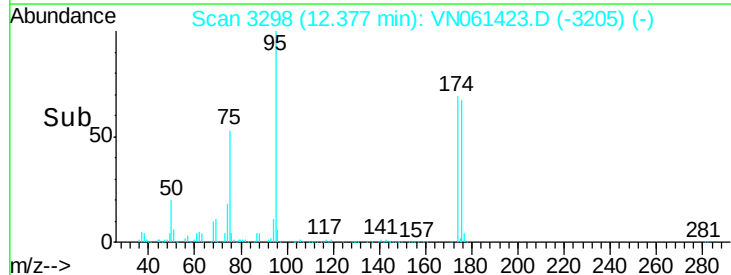
Abundance Ion 94.90 (94.60 to 95.60): V

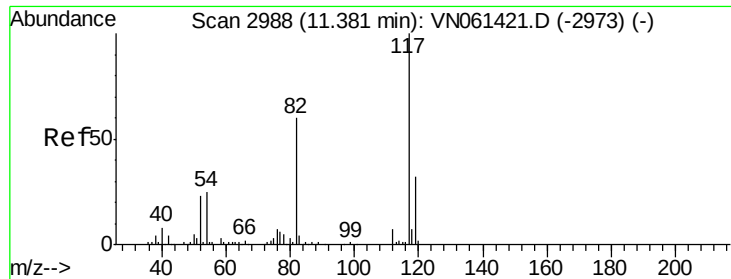
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

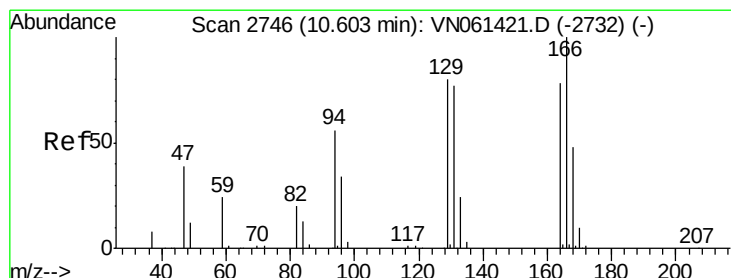
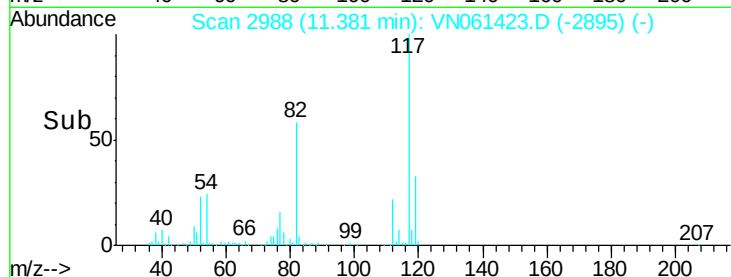
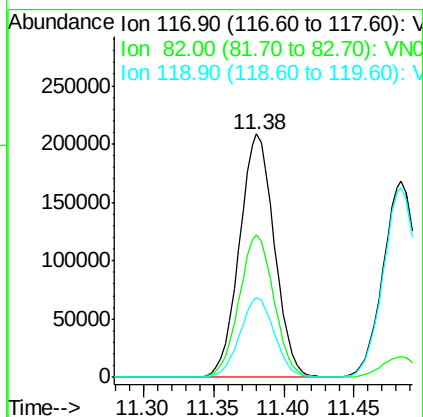
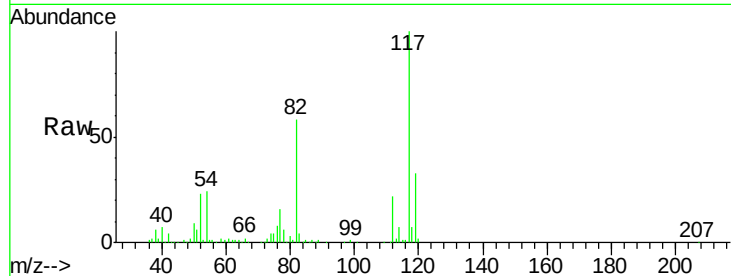




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

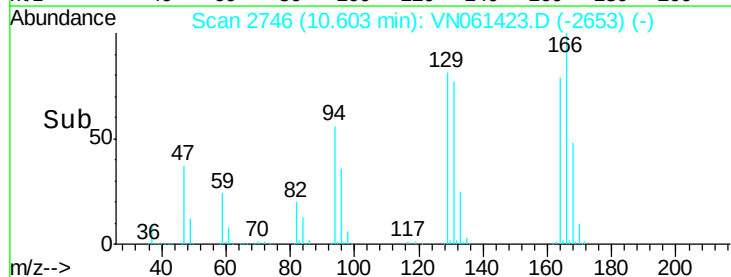
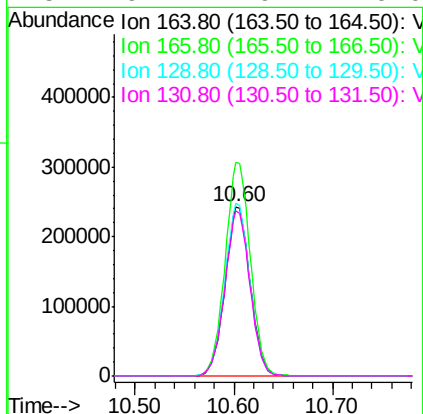
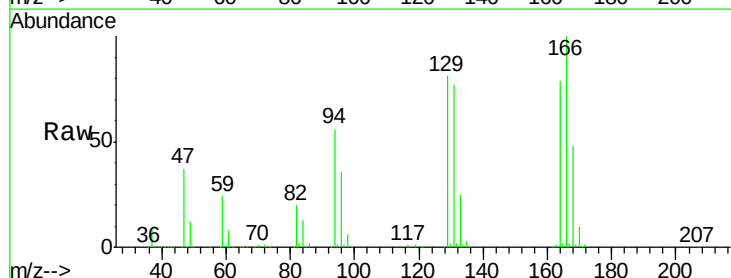
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

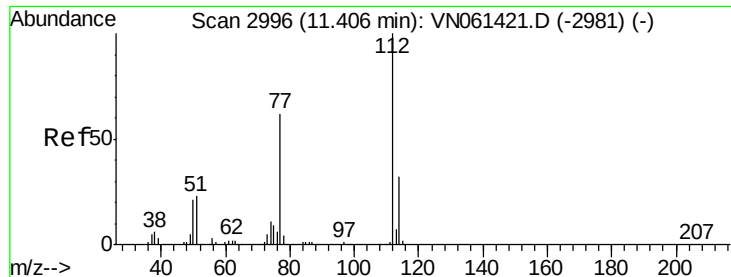
Tot Ion:117 Resp: 362160
Ion Ratio Lower Upper
117 100
82 58.5 47.7 71.5
119 32.7 25.3 37.9



#64
Tetrachloroethene
Concen: 140.899 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

Tgt Ion:164 Resp: 433884
Ion Ratio Lower Upper
164 100
166 126.2 102.6 154.0
129 101.7 81.9 122.9
131 97.4 79.4 119.0





#65

Chlorobenzene

Concen: 156.756 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

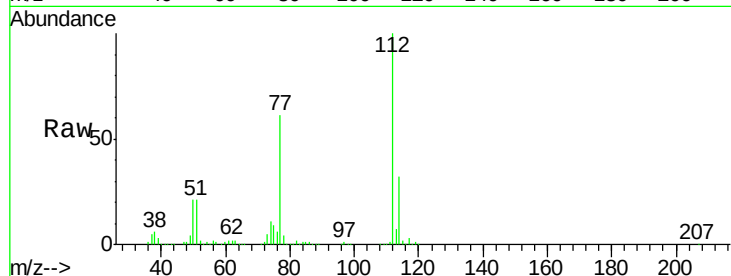
VSTDIC150

Tot Ion:112 Resp: 1127971

Ion Ratio Lower Upper

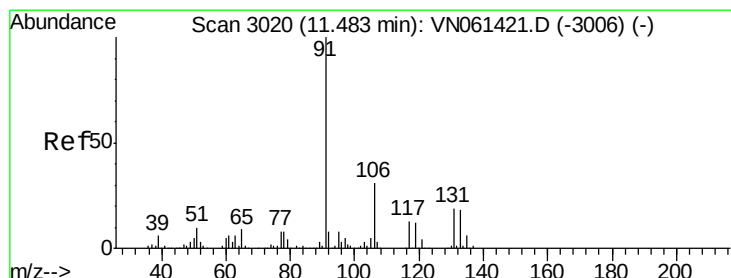
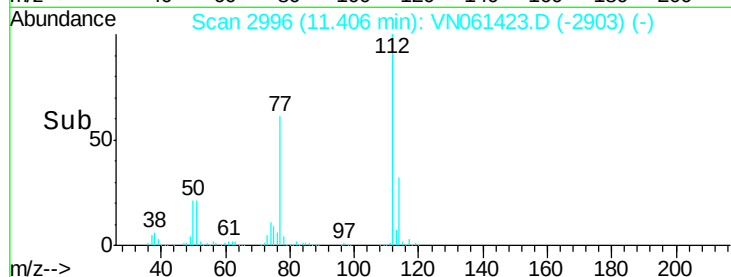
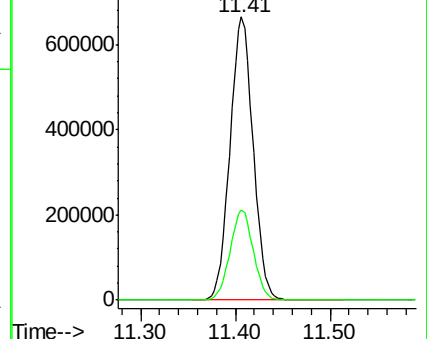
112 100

114 32.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 161.471 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

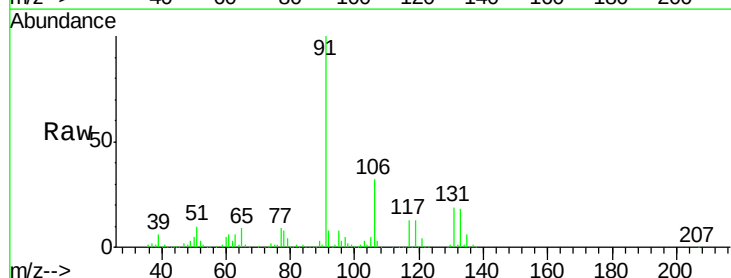
Tgt Ion:131 Resp: 416952

Ion Ratio Lower Upper

131 100

133 95.4 47.5 142.5

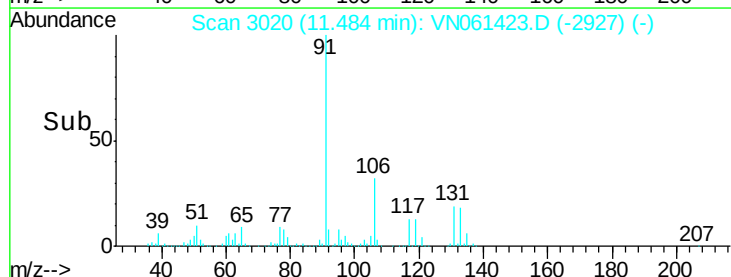
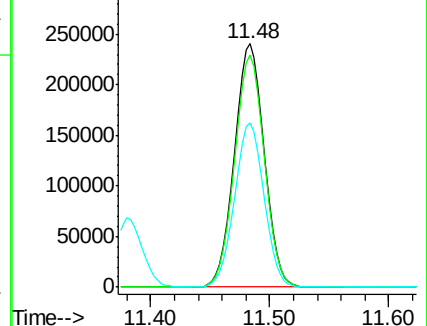
119 66.9 33.0 98.9

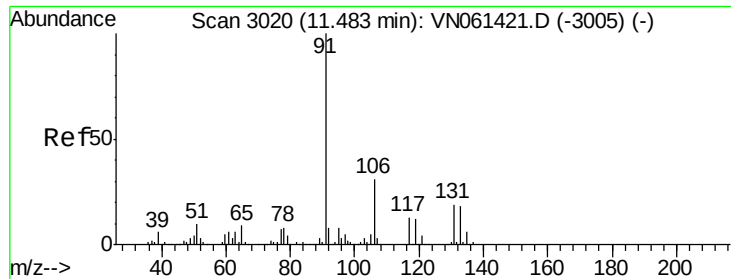


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

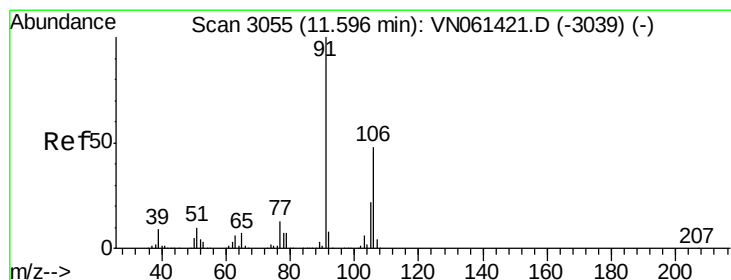
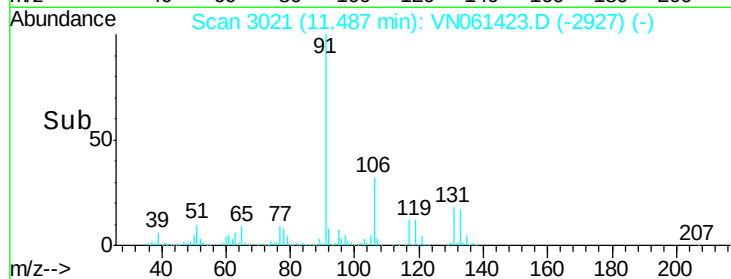
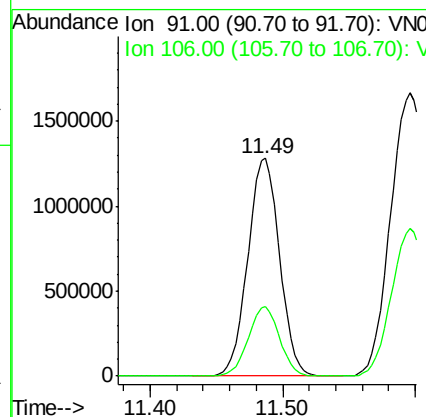
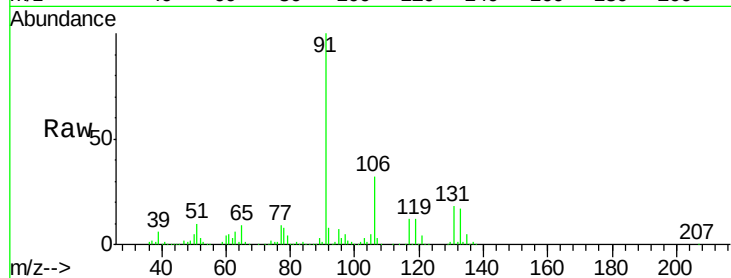




#67
Ethyl Benzene
Concen: 157.926 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

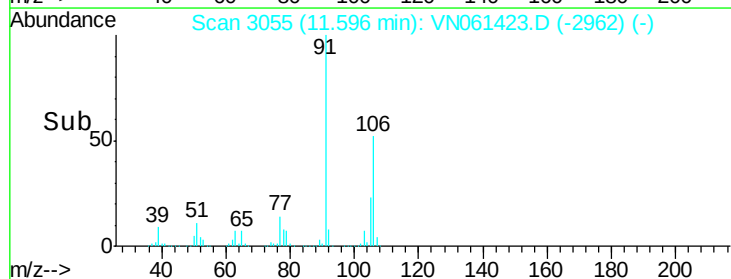
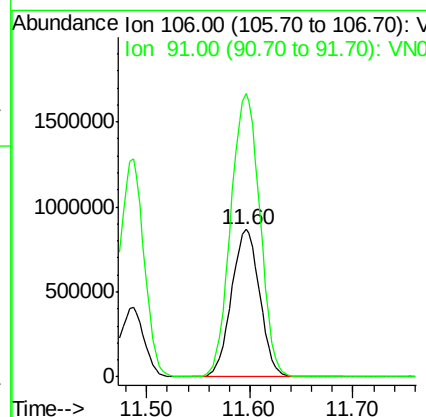
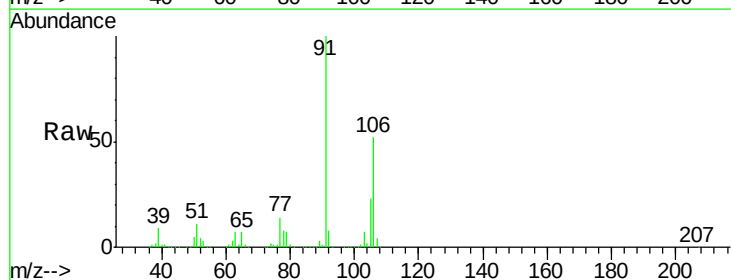
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

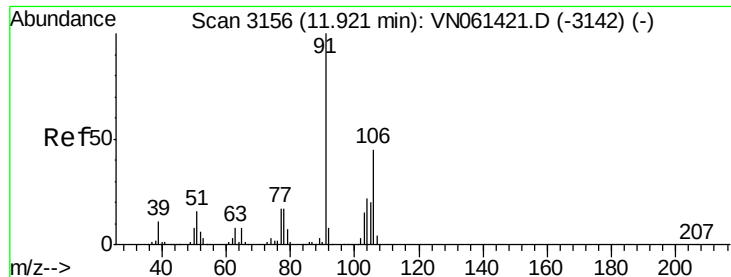
Tot Ion: 91 Resp: 2128207
Ion Ratio Lower Upper
91 100
106 32.1 24.8 37.2



#68
m/p-Xylenes
Concen: 333.638 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

Tgt Ion: 106 Resp: 1650629
Ion Ratio Lower Upper
106 100
91 198.9 167.4 251.2

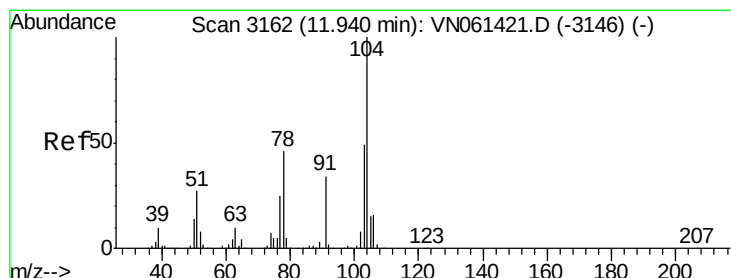
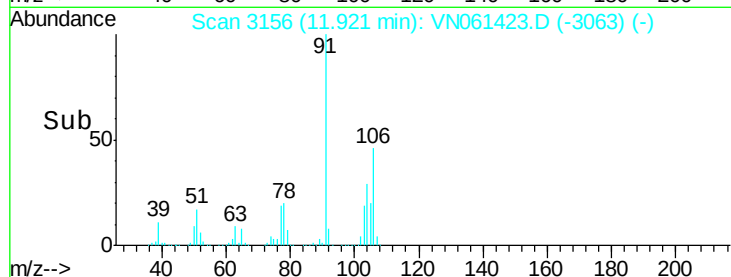
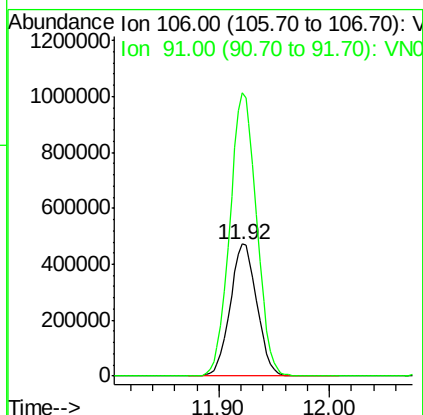
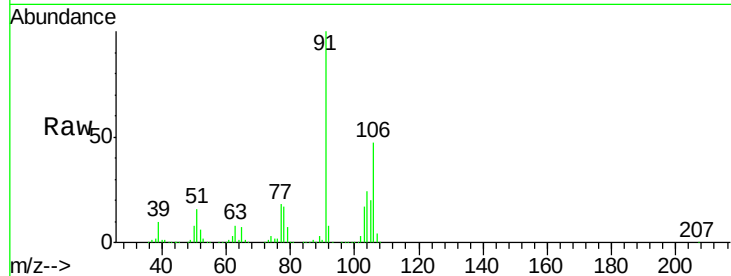




#69
o-Xylene
Concen: 166.408 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

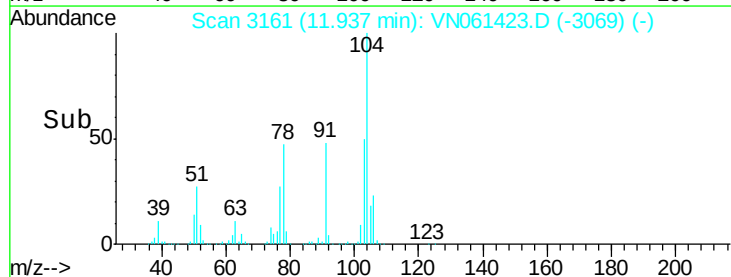
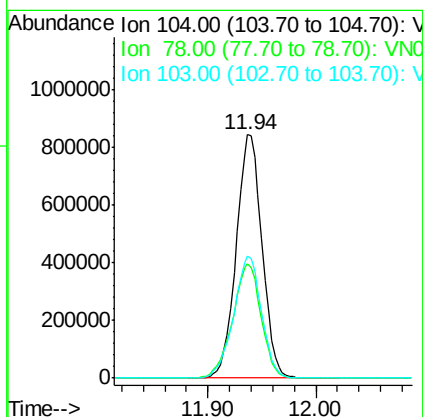
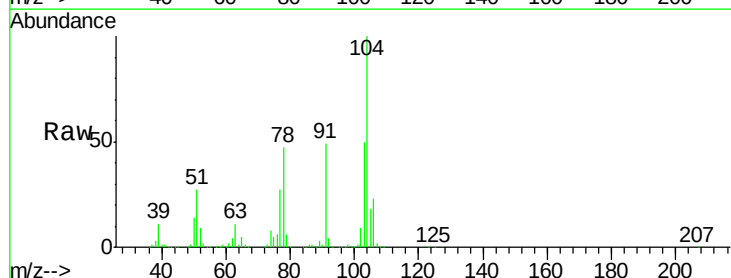
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

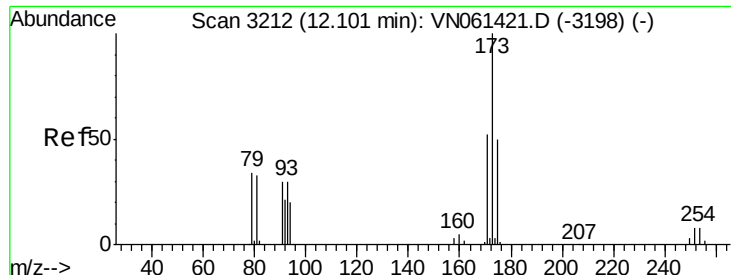
Tot Ion:106 Resp: 790861
Ion Ratio Lower Upper
106 100
91 215.5 109.7 329.2



#70
Styrene
Concen: 176.450 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061423.D
Acq: 15 May 2020 22:32

Tgt Ion:104 Resp: 1409073
Ion Ratio Lower Upper
104 100
78 51.5 41.8 62.8
103 53.8 42.9 64.3





#71

Bromoform

Concen: 165.919 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

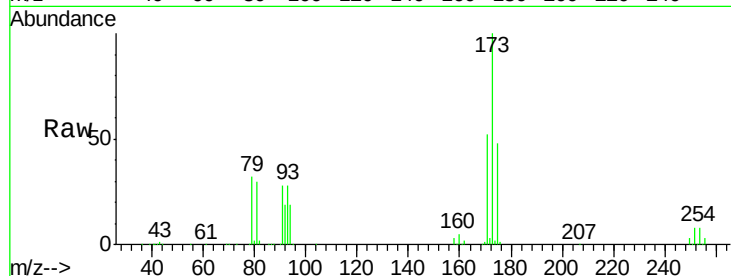
Tot Ion:173 Resp: 310575

Ion Ratio Lower Upper

173 100

175 48.0 24.1 72.4

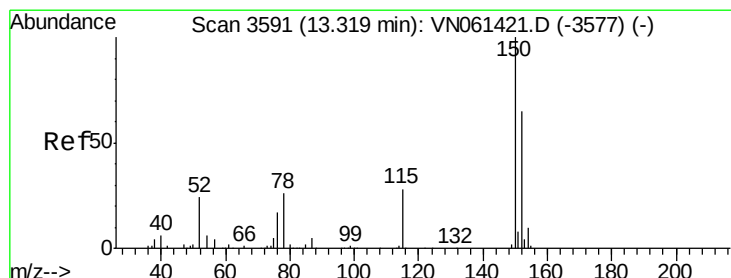
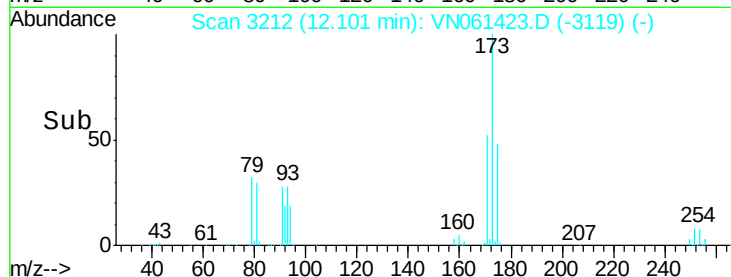
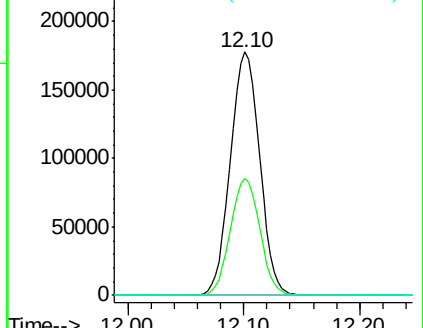
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

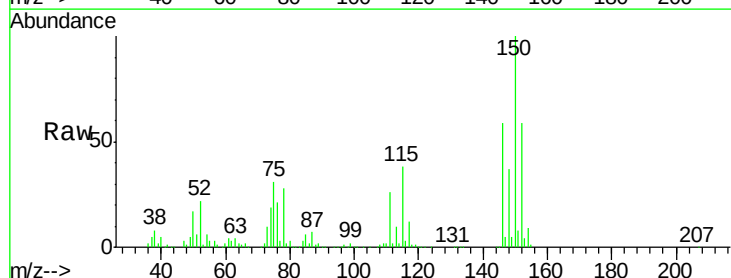
Tgt Ion:152 Resp: 174754

Ion Ratio Lower Upper

152 100

115 63.8 30.9 92.7

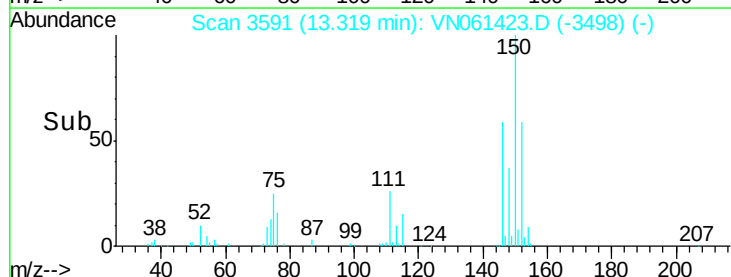
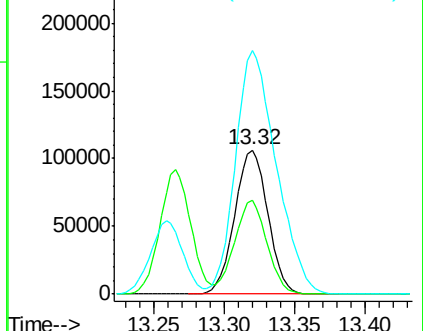
150 207.7 0.0 344.4

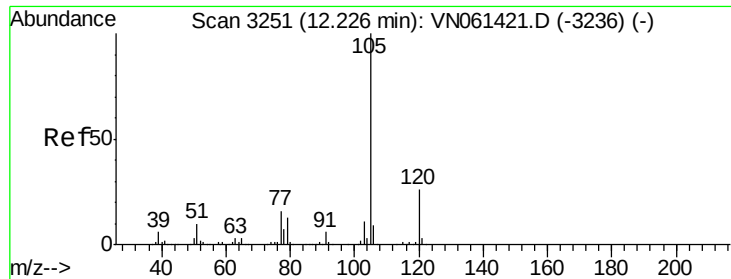


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 161.639 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

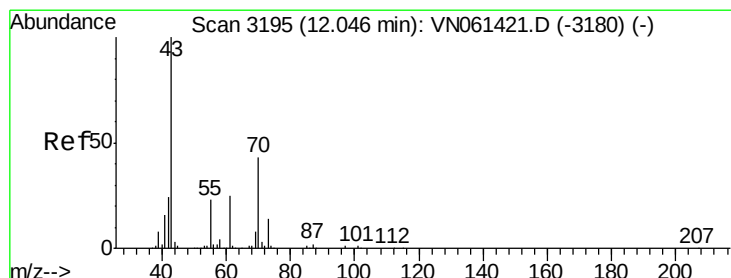
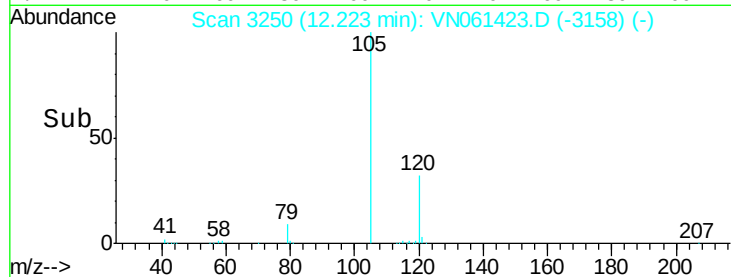
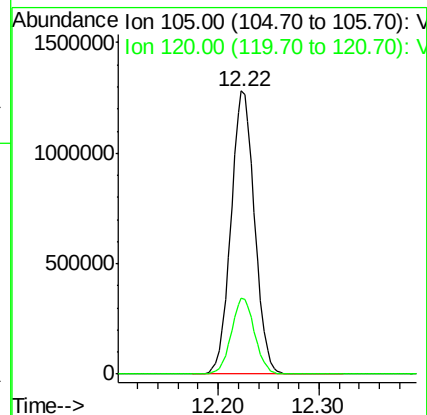
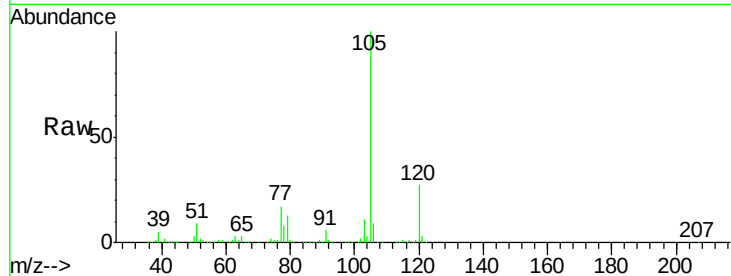
VSTDIC150

Tot Ion:105 Resp: 2089035

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.1



#74

N-ethyl acetate

Concen: 131.635 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Tgt Ion: 43 Resp: 828373

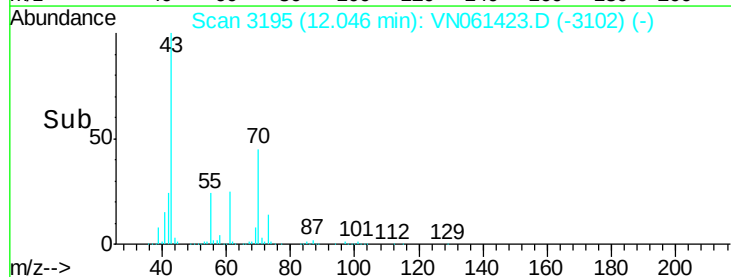
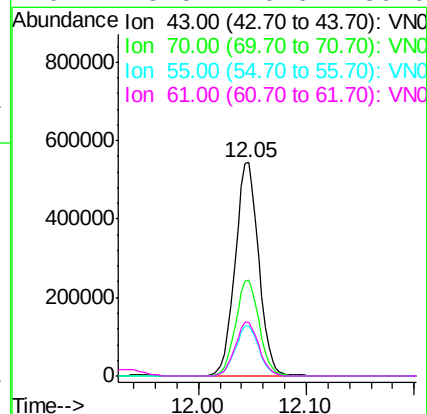
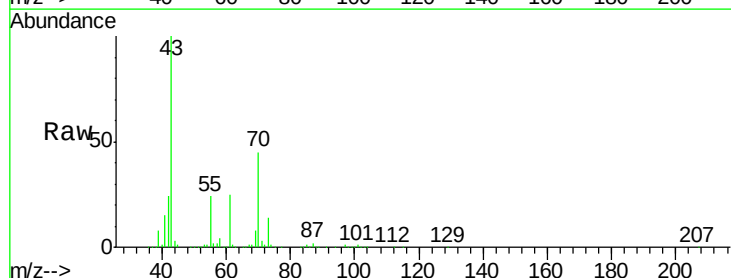
Ion Ratio Lower Upper

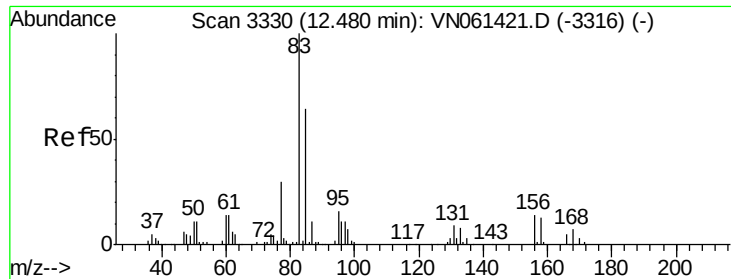
43 100

70 45.3 34.8 52.2

55 23.8 19.0 28.6

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 139.041 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

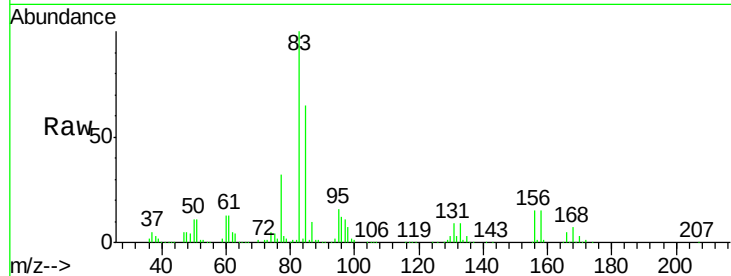
Tot Ion: 83 Resp: 549266

Ion Ratio Lower Upper

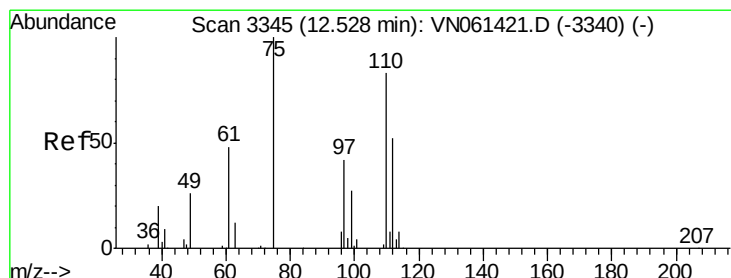
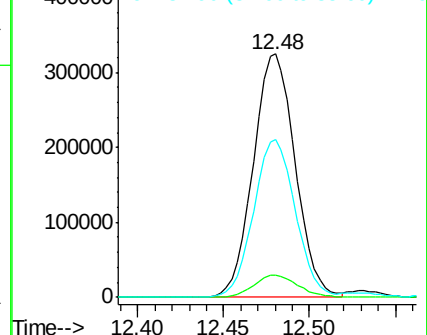
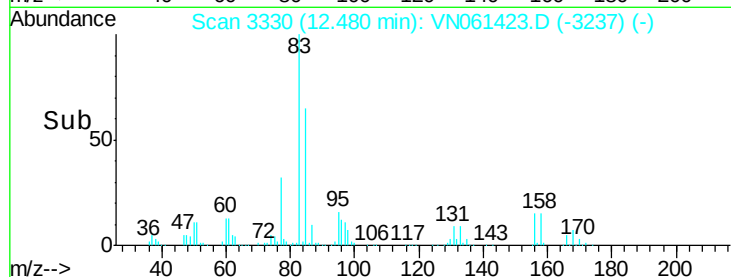
83 100

131 9.6 4.8 14.4

85 64.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN061423.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 142.357 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061423.D

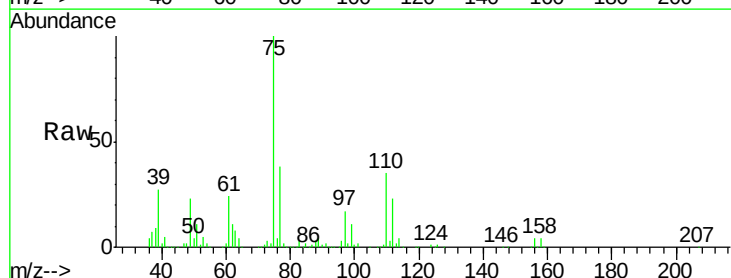
Acq: 15 May 2020 22:32

Tgt Ion: 75 Resp: 517815

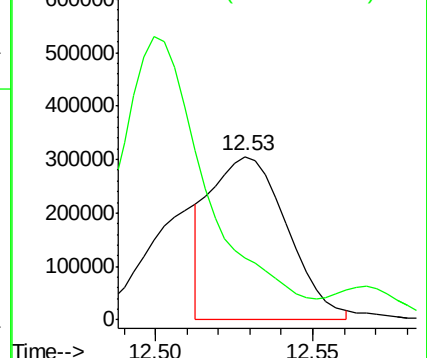
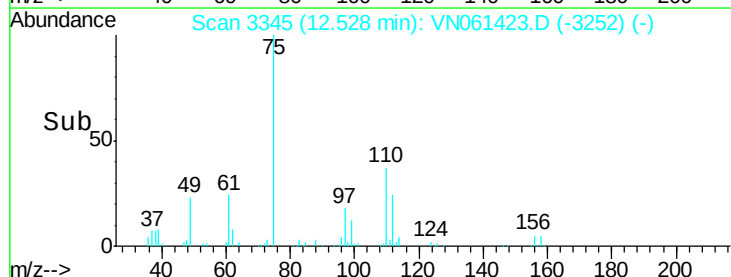
Ion Ratio Lower Upper

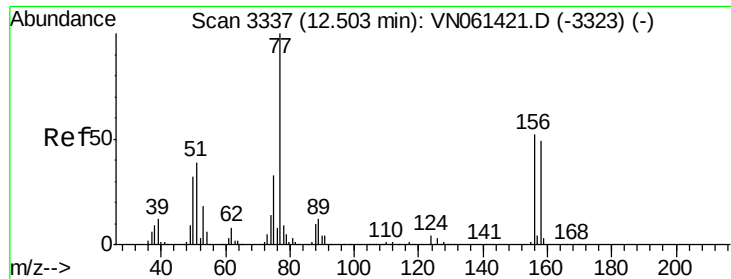
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061423.D (-3252) (-)





#77

Bromobenzene

Concen: 154.316 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

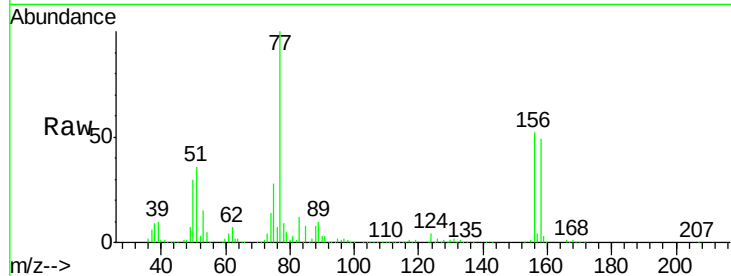
Tot Ion:156 Resp: 455520

Ion Ratio Lower Upper

156 100

77 229.1 115.8 347.3

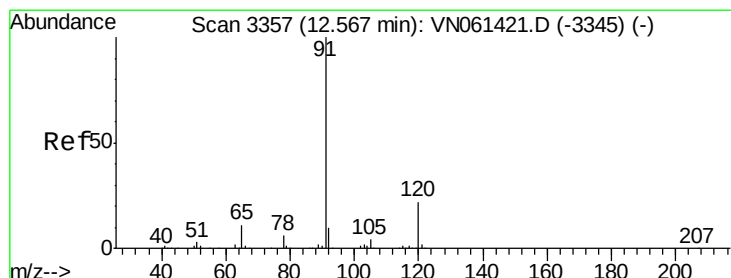
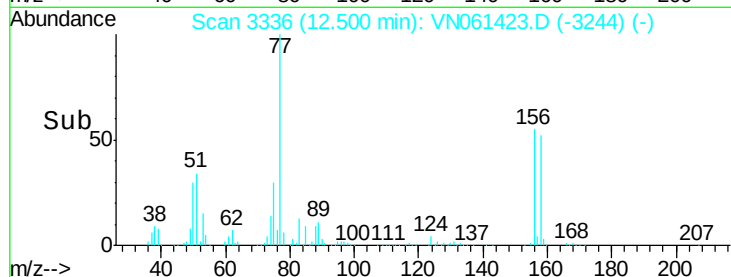
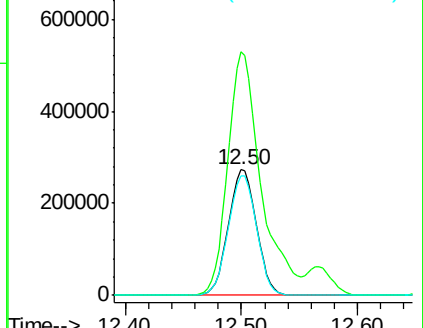
158 96.3 47.4 142.3



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: 158.269 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061423.D

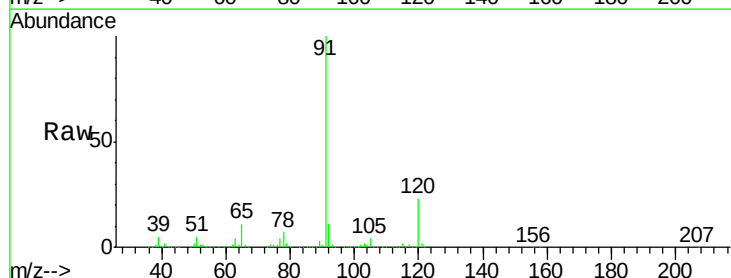
Acq: 15 May 2020 22:32

Tgt Ion: 91 Resp: 2418149

Ion Ratio Lower Upper

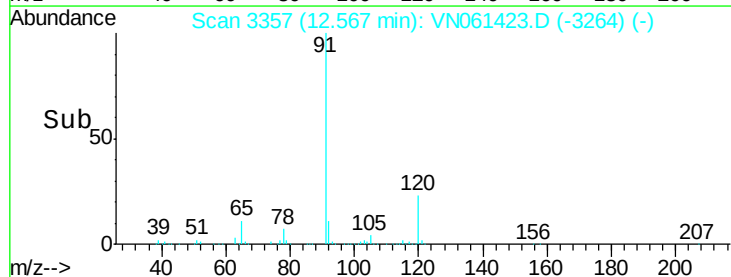
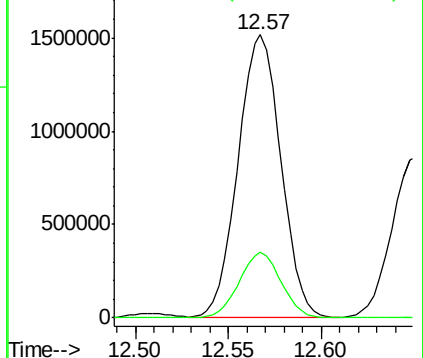
91 100

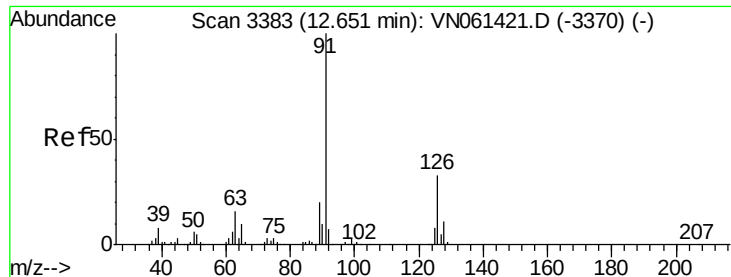
120 22.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 157.881 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

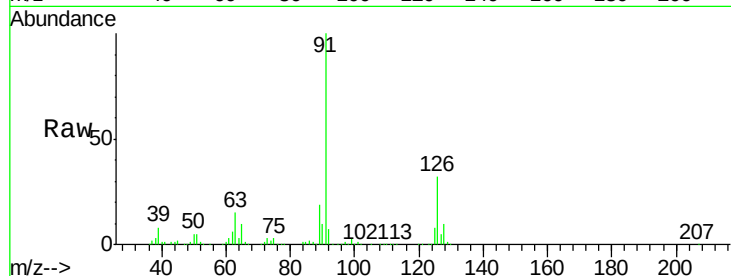
VSTDIC150

Tot Ion: 91 Resp: 1419108

Ion Ratio Lower Upper

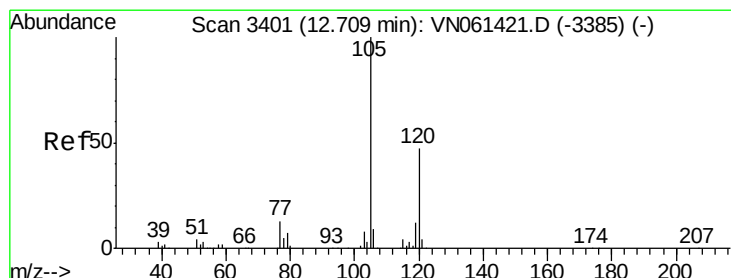
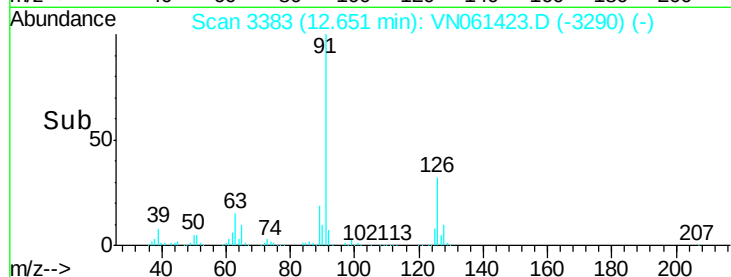
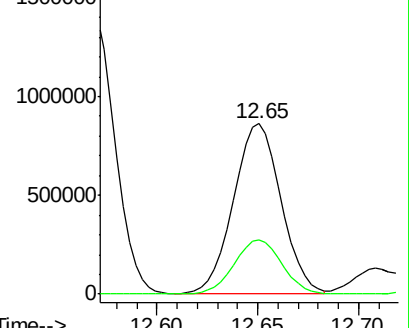
91 100

126 32.2 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN061423.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061423.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 165.953 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061423.D

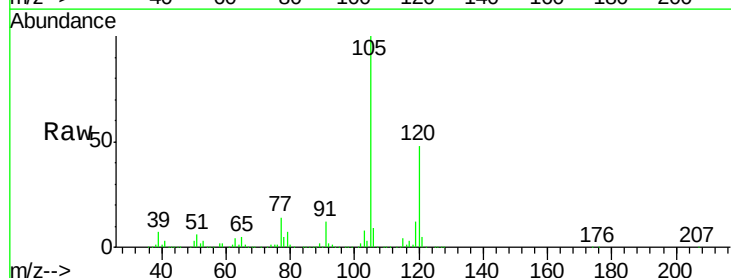
Acq: 15 May 2020 22:32

Tgt Ion:105 Resp: 1780335

Ion Ratio Lower Upper

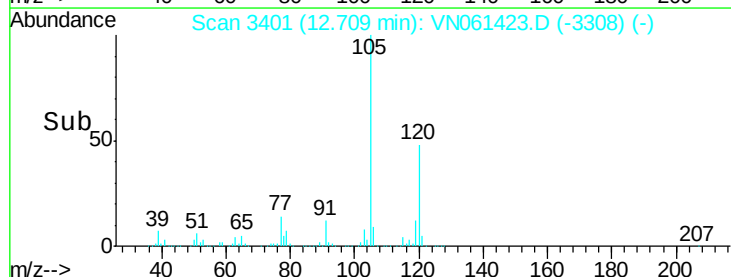
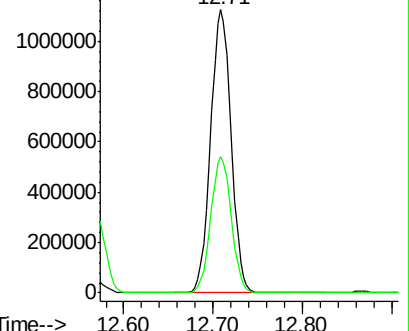
105 100

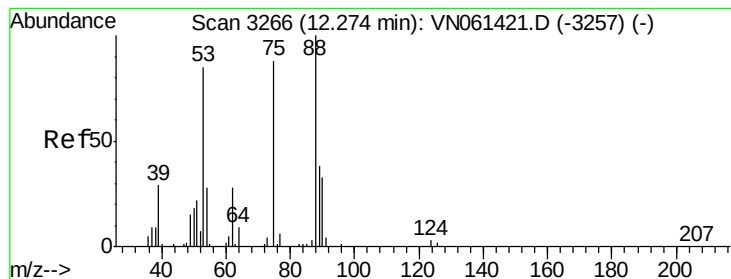
120 48.2 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN061423.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061423.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 150.417 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

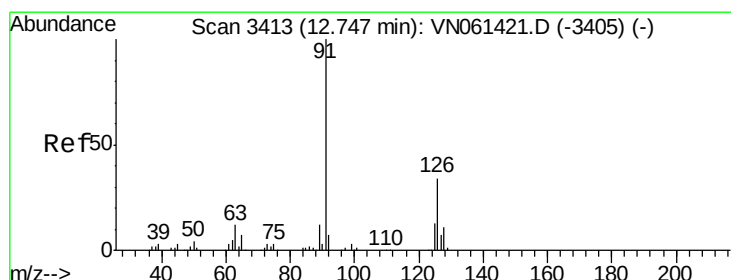
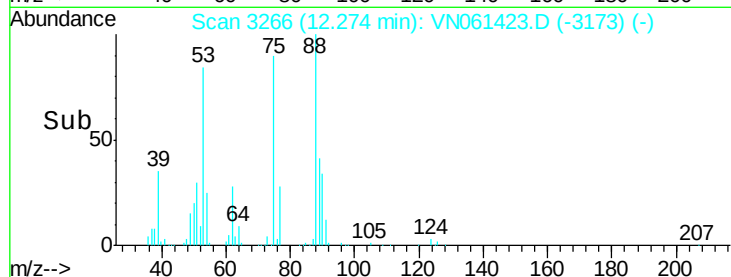
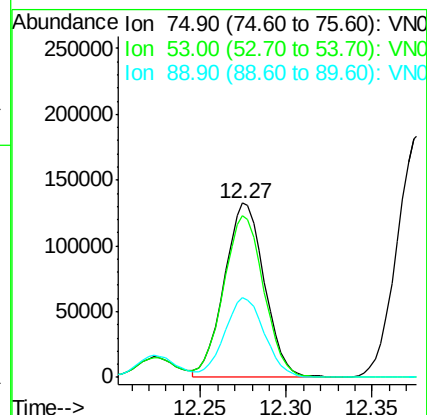
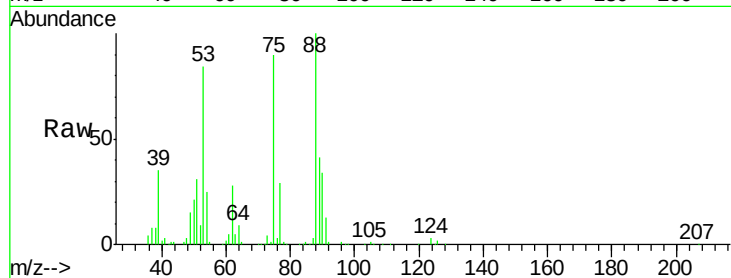
Tot Ion: 75 Resp: 214441

Ion Ratio Lower Upper

75 100

53 94.5 78.1 117.1

89 46.2 36.3 54.5



#82

4-Chlorotoluene

Concen: 163.544 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061423.D

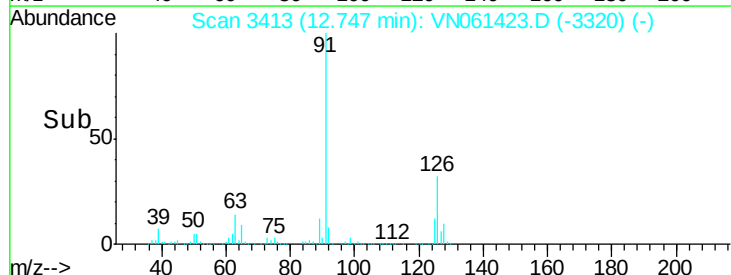
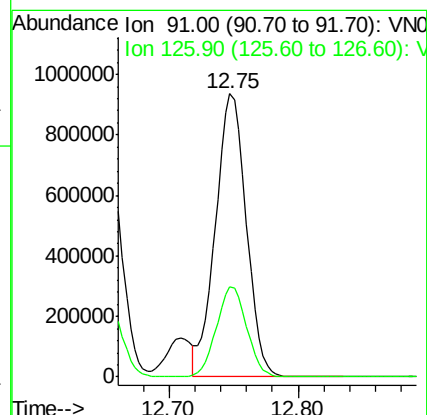
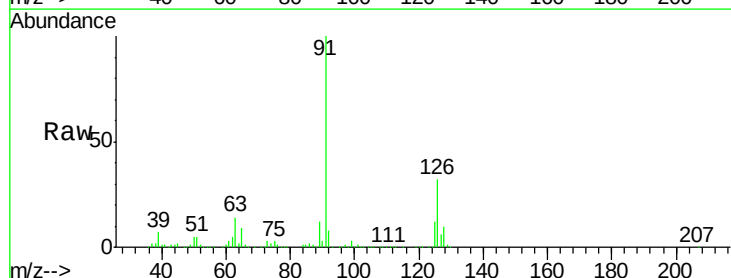
Acq: 15 May 2020 22:32

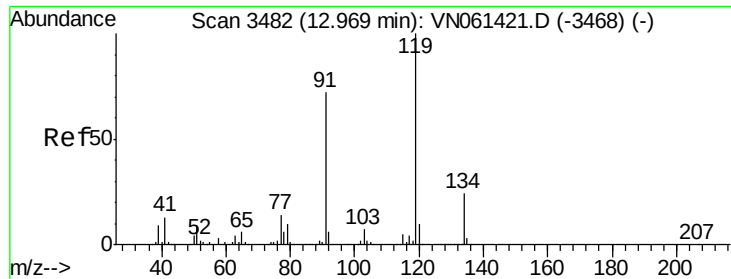
Tgt Ion: 91 Resp: 1548569

Ion Ratio Lower Upper

91 100

126 31.3 15.8 47.3

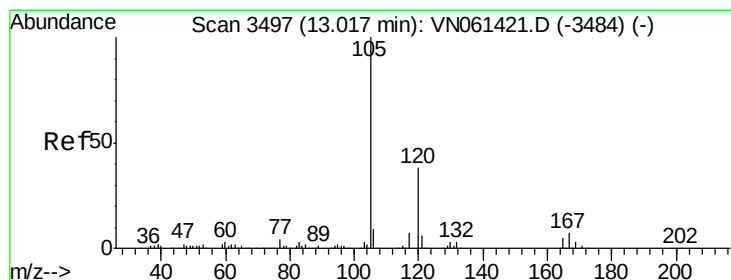
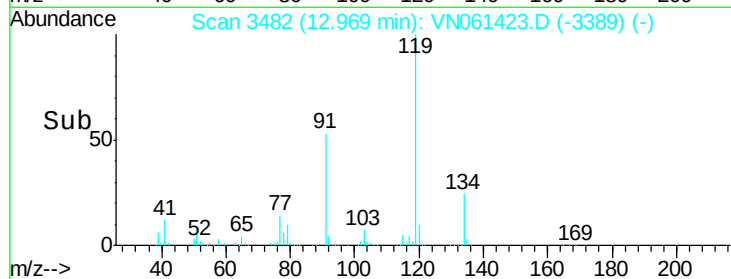
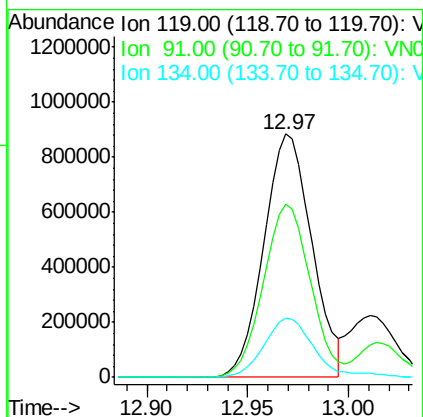
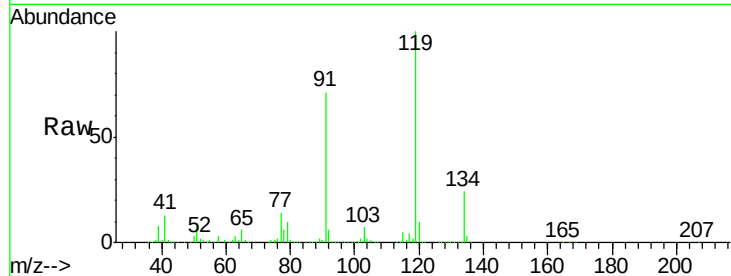




#83
 tert-Butylbenzene
 Concen: 162.159 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

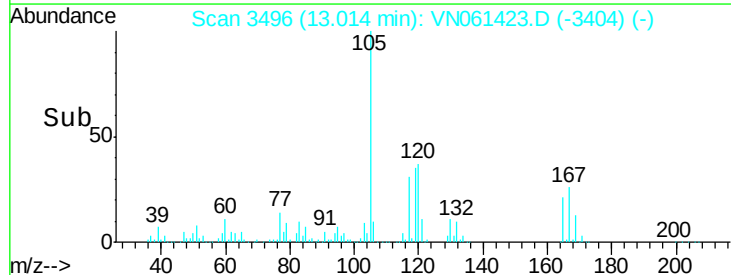
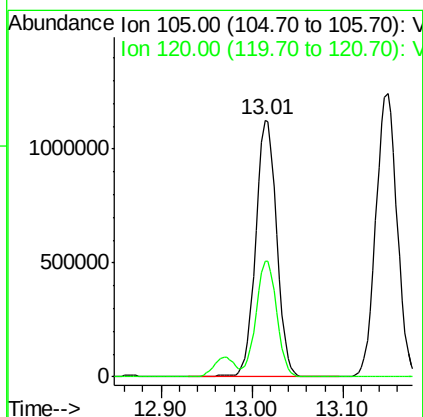
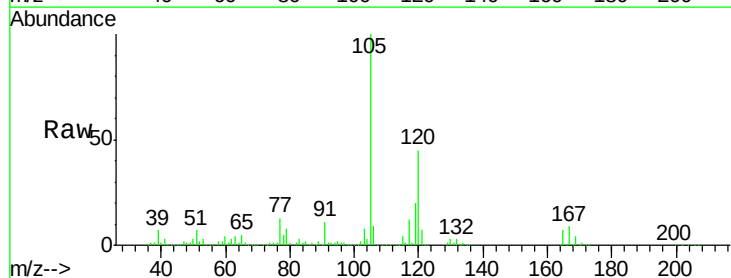
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

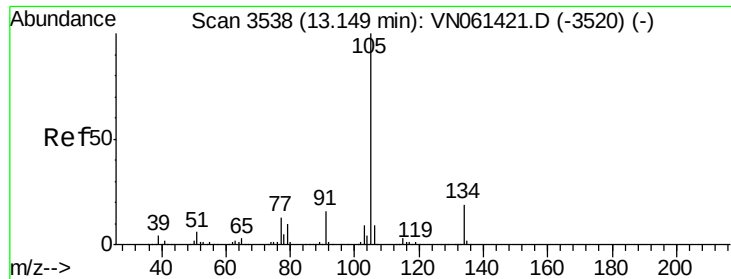
Tot Ion:119 Resp: 1458447
 Ion Ratio Lower Upper
 119 100
 91 70.1 35.6 106.9
 134 25.6 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 163.413 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Tgt Ion:105 Resp: 1800634
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.2





#85

sec-Butylbenzene

Concen: 163.437 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampled :

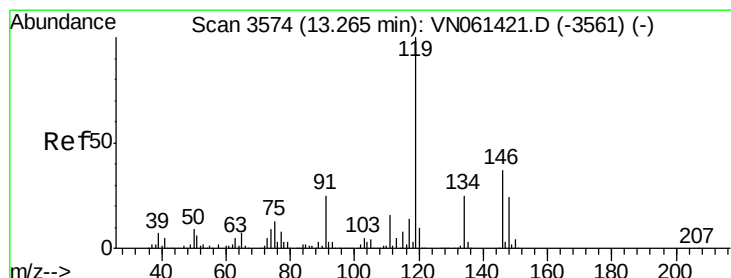
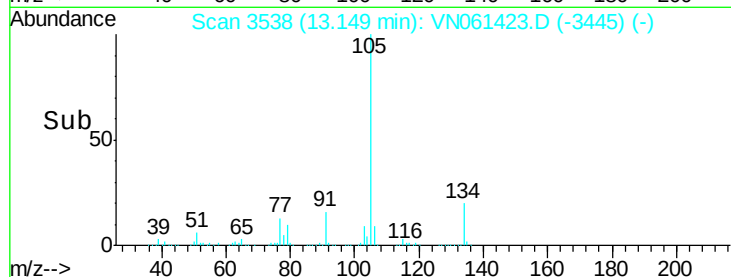
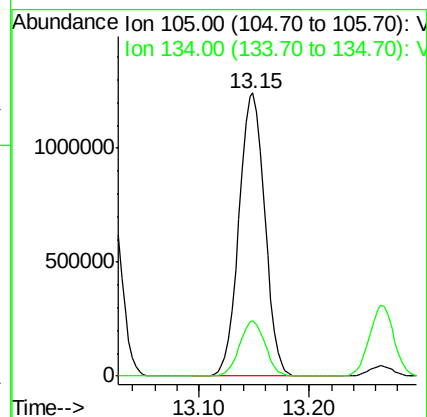
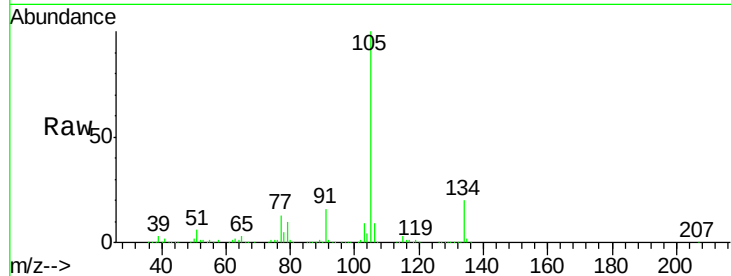
VSTDIC150

Tot Ion:105 Resp: 2009322

Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1



#86

p-Isopropyltoluene

Concen: 166.544 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

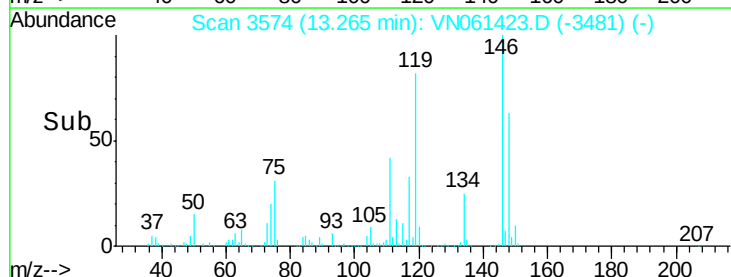
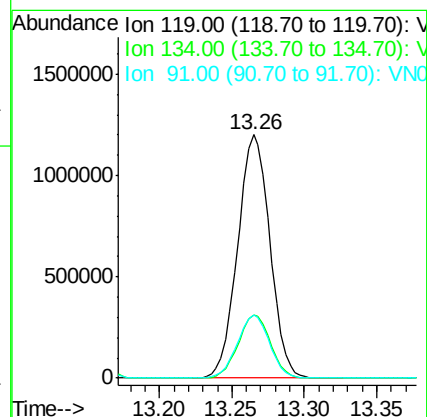
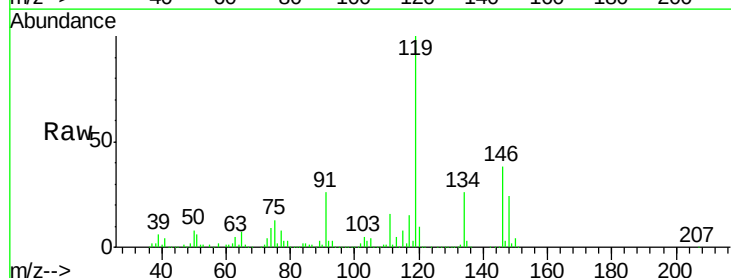
Tgt Ion:119 Resp: 1844172

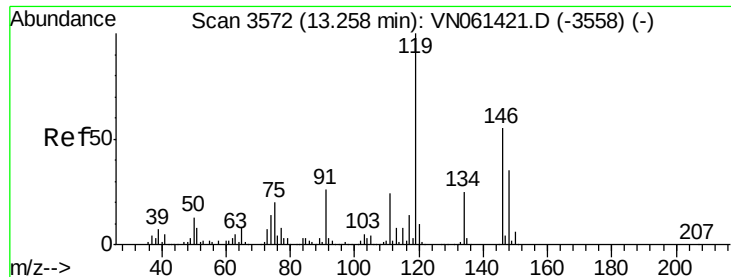
Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

91 25.8 13.0 38.9

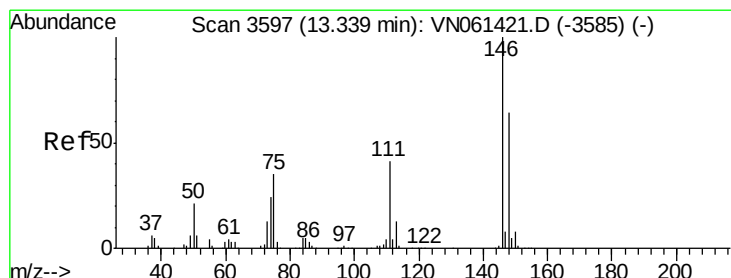
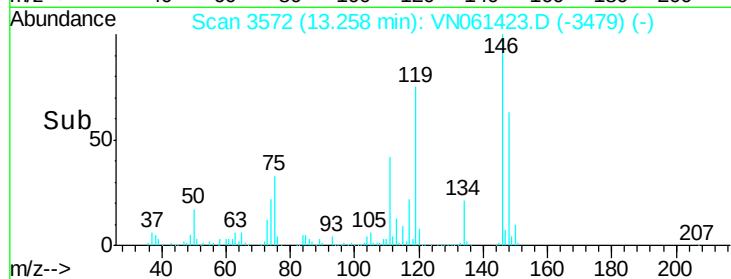
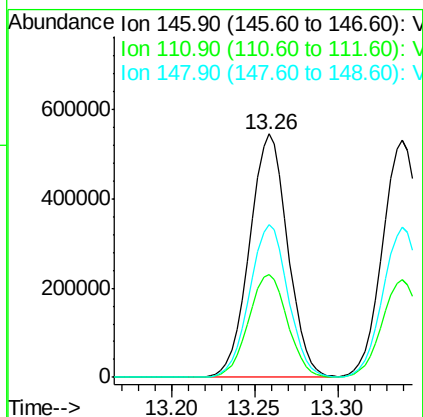
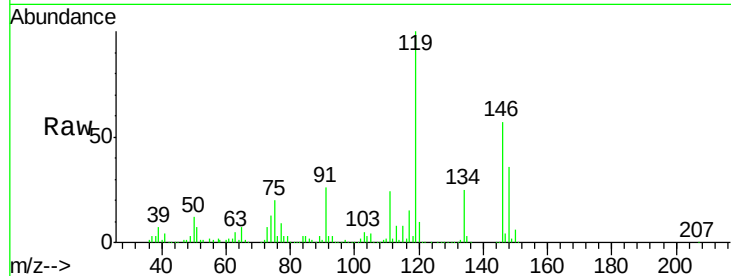




#87
 1,3-Dichlorobenzene
 Concen: 160.104 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

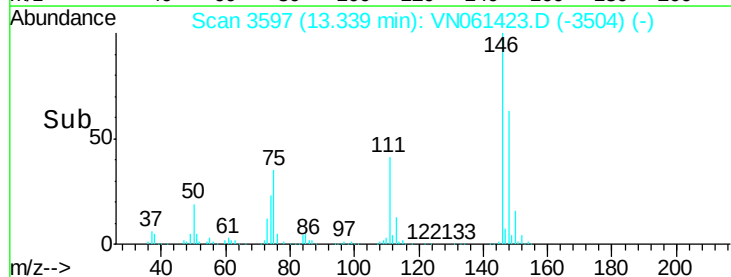
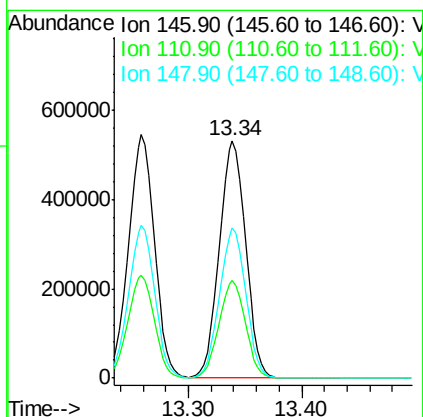
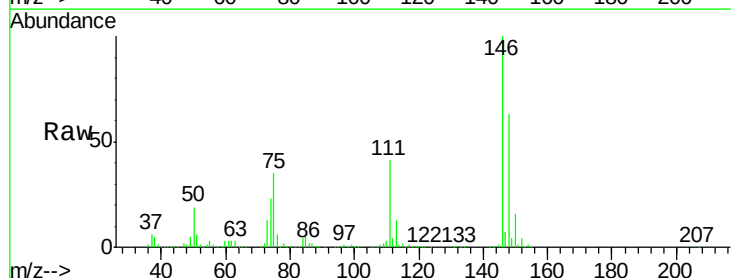
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

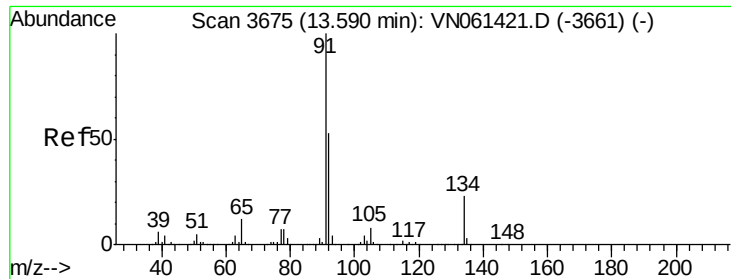
Tot Ion:146 Resp: 871954
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.5 64.5
 148 63.3 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 155.428 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Tgt Ion:146 Resp: 866491
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.9 62.7
 148 63.0 32.3 96.8





#89

n-Butylbenzene

Concen: 164.508 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

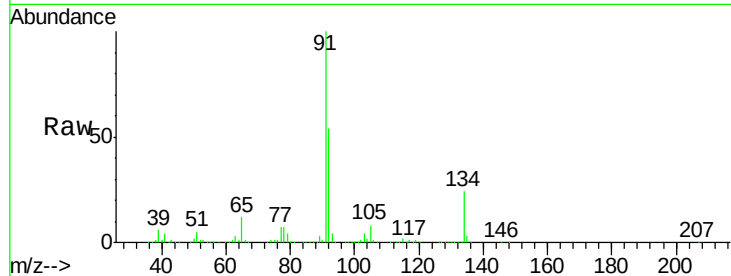
Tot Ion: 91 Resp: 1667341

Ion Ratio Lower Upper

91 100

92 53.8 26.8 80.3

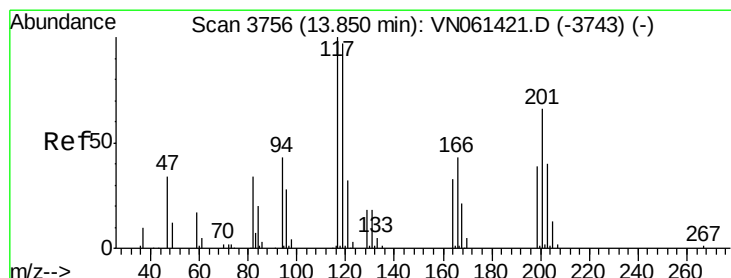
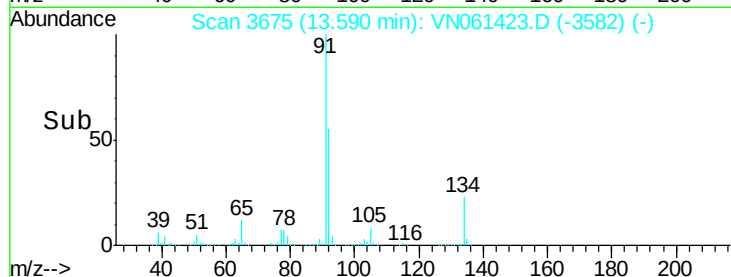
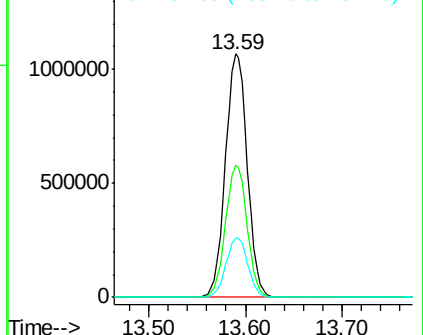
134 24.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN061423.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061423.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061423.D (-3661) (-)



#90

Hexachloroethane

Concen: 227.275 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061423.D

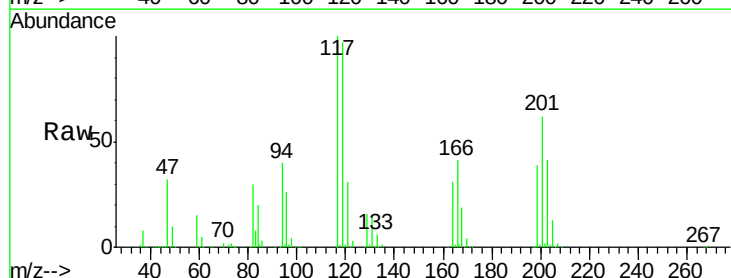
Acq: 15 May 2020 22:32

Tgt Ion: 117 Resp: 247753

Ion Ratio Lower Upper

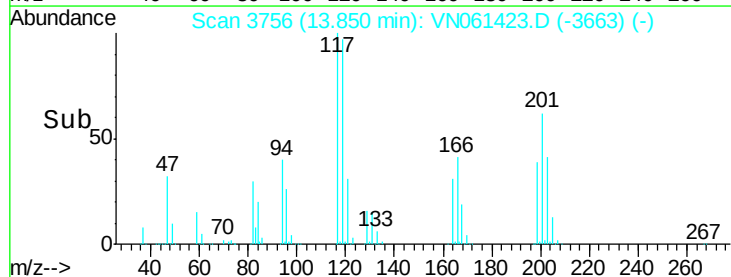
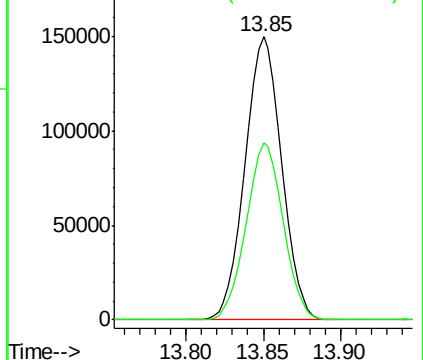
117 100

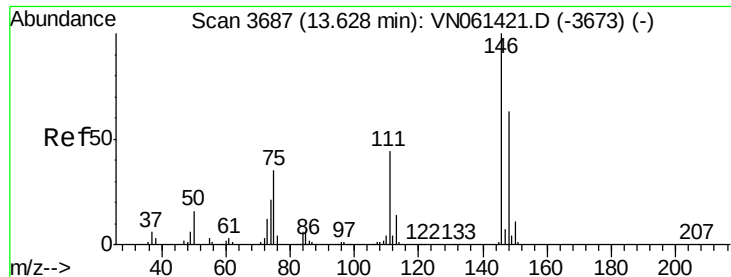
201 62.9 32.2 96.6



Abundance Ion 116.80 (116.50 to 117.50): VN061423.D (-3743) (-)

Ion 200.70 (200.40 to 201.40): VN061423.D (-3743) (-)





#91

1,2-Dichlorobenzene

Concen: 154.959 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

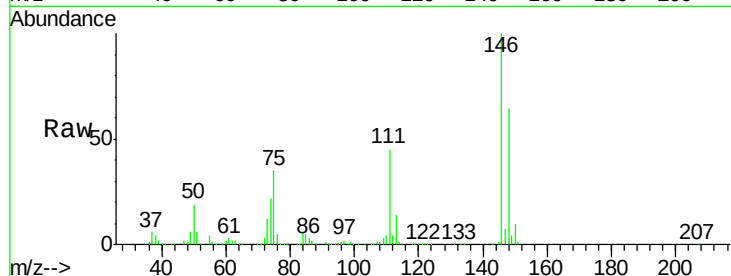
Tot Ion:146 Resp: 809866

Ion Ratio Lower Upper

146 100

111 45.1 22.3 66.8

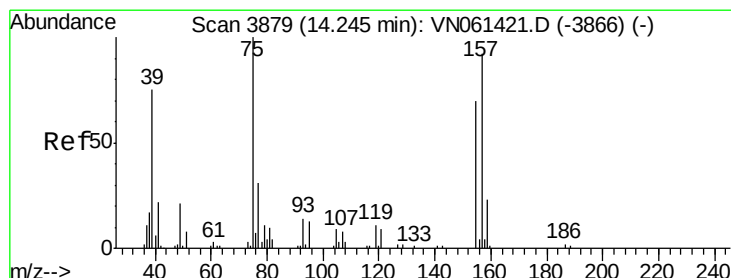
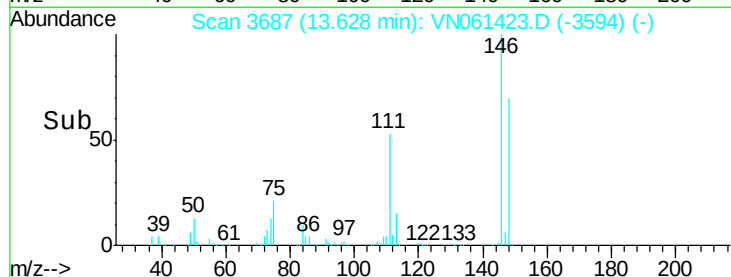
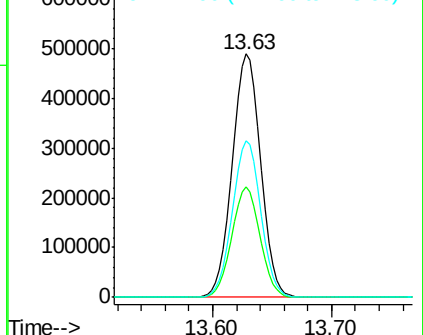
148 64.2 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 138.331 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

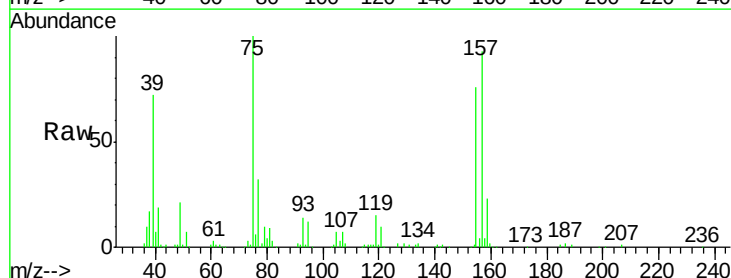
Tgt Ion: 75 Resp: 114106

Ion Ratio Lower Upper

75 100

155 75.4 35.2 105.6

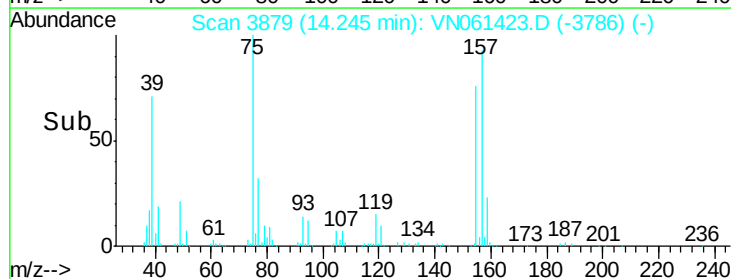
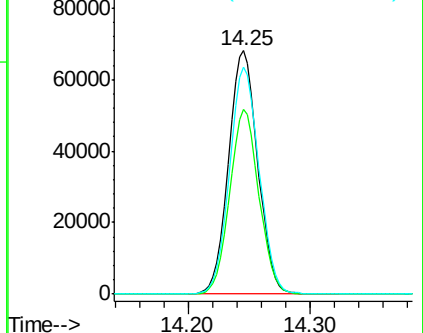
157 93.9 45.8 137.3

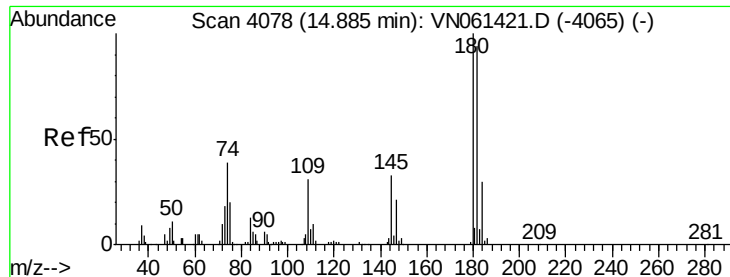


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

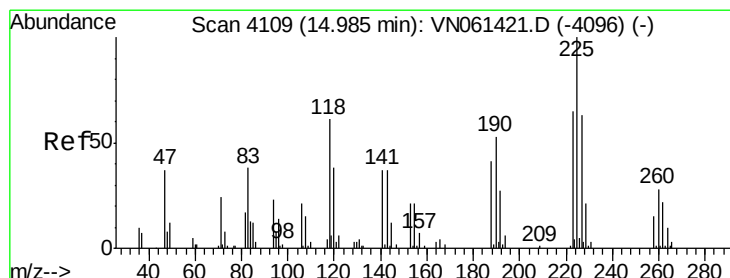
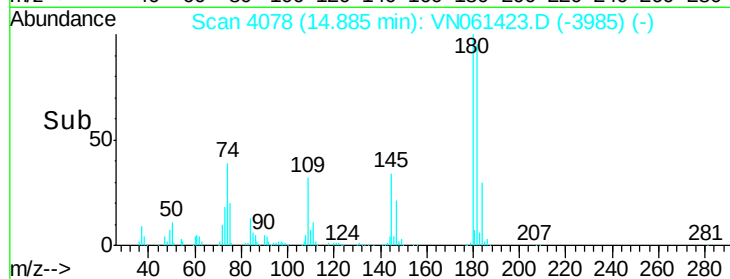
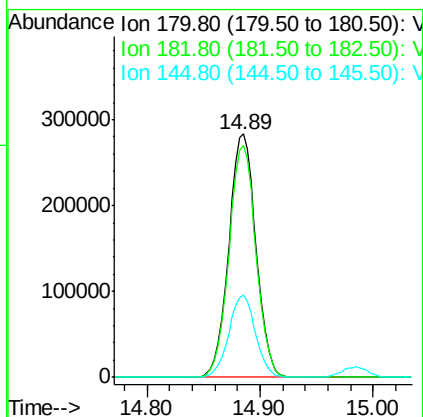
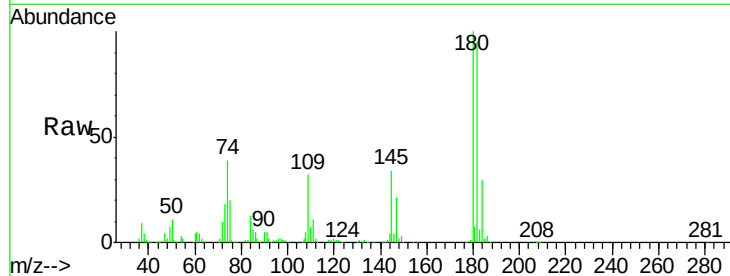




#93
 1,2,4-Trichlorobenzene
 Concen: 150.419 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

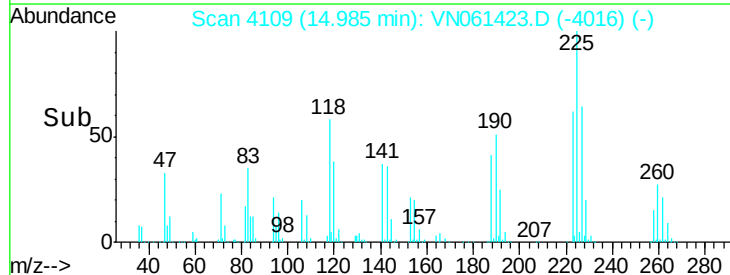
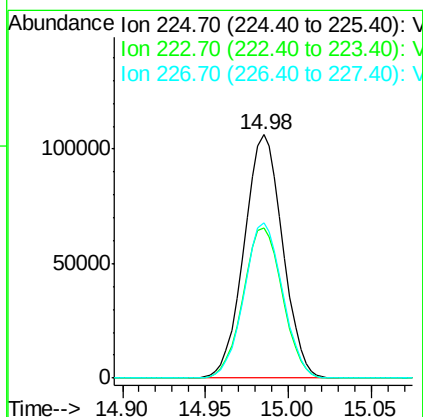
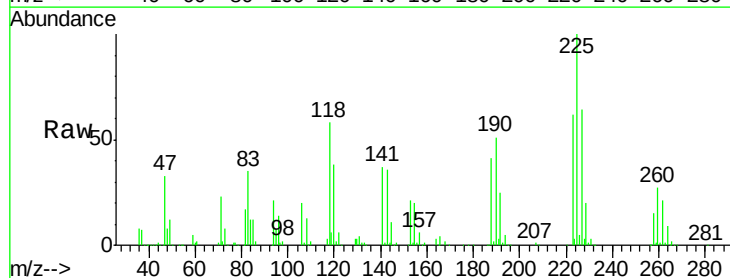
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

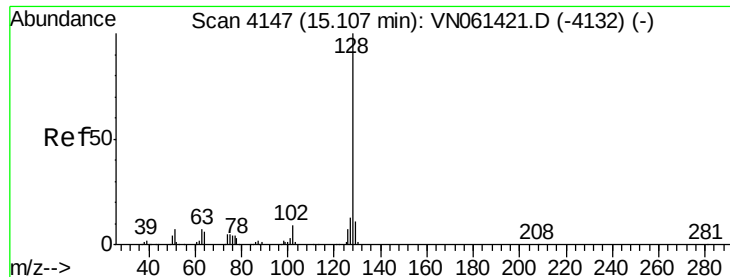
Tot Ion:180 Resp: 470848
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.3 142.0
 145 33.3 16.3 48.9



#94
 Hexachlorobutadiene
 Concen: 132.644 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061423.D
 Acq: 15 May 2020 22:32

Tgt Ion:225 Resp: 171787
 Ion Ratio Lower Upper
 225 100
 223 62.8 32.1 96.3
 227 63.7 31.4 94.2





#95

Naphthalene

Concen: 151.217 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

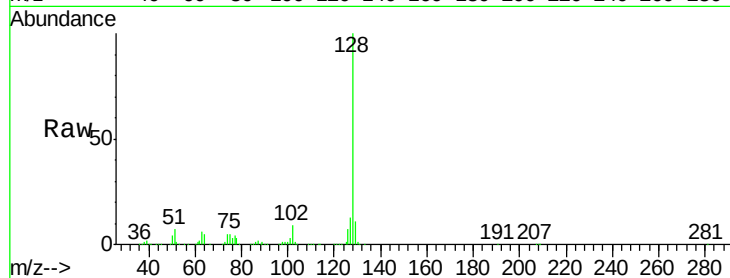
Tot Ion:128 Resp: 1538305

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

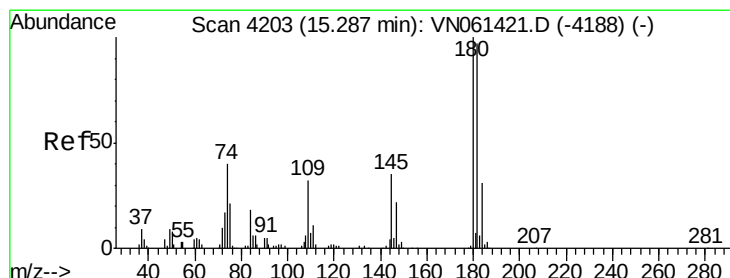
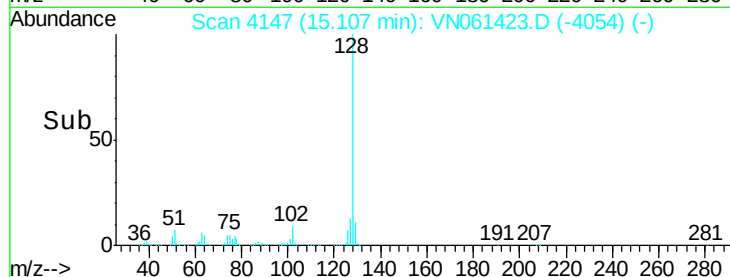
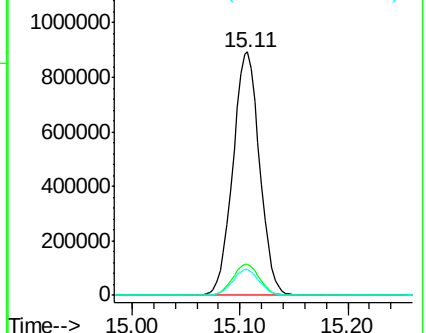
129 10.7 8.6 13.0



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: 145.594 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061423.D

Acq: 15 May 2020 22:32

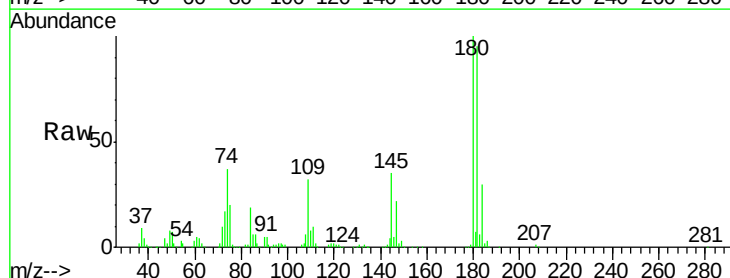
Tgt Ion:180 Resp: 449543

Ion Ratio Lower Upper

180 100

182 95.4 48.0 144.2

145 35.1 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

