

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064414.D
 Acq On : 2 Nov 2020 14:37
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Nov 02 15:12:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.14	128	30727	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	321391	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	294368	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	143363	52.78	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	175.93%#
60) 4-Bromofluorobenzene	12.37	95	150301	29.11	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.03%
63) Toluene-d8	10.06	98	394384	30.14	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	184976	76.578	ug/l 99
3) Chloromethane	2.04	50	190193	82.888	ug/l 96
4) Vinyl Chloride	2.16	62	199055	88.226	ug/l 96
5) Bromomethane	2.53	94	125667	89.573	ug/l 97
6) Chloroethane	2.67	64	116469	91.499	ug/l 98
7) Trichlorofluoromethane	2.98	101	325171	92.227	ug/l 92
8) Diethyl Ether	3.37	74	96633	87.077	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	157686	87.787	ug/l 99
10) 1,1-Dichloroethene	3.70	96	152205	89.045	ug/l 98
11) Methyl Iodide	3.91	142	208586	85.988	ug/l 97
12) Methyl Acetate	4.28	43	161512	80.632	ug/l 98
13) Acrolein	3.56	56	81387	552.083	ug/l 95
14) Acrylonitrile	4.93	53	371470	424.039	ug/l 99
15) Acetone	3.77	58	131907	501.329	ug/l 94
16) Carbon Disulfide	4.01	76	430897	84.808	ug/l 99
17) Allyl chloride	4.28	41	263726	81.605	ug/l 95
18) Methylene Chloride	4.50	84	175573	89.665	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	166457	88.443	ug/l 97
20) Diisopropyl ether	5.90	45	589870	89.573	ug/l 94
21) 1,1-Dichloroethane	5.79	63	323200	87.514	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	197325	91.066	ug/l 98
23) tert-Butyl Alcohol	4.72	59	143705	366.930	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	553099	86.259	ug/l # 62
25) Chloroform	7.33	83	347133	90.583	ug/l 97
26) Cyclohexane	7.61	56	263596	87.762	ug/l 99
29) 1,1-Dichloropropene	7.75	75	260025	47.733	ug/l 87
30) 2-Butanone	6.78	43	603545	233.589	ug/l 100
31) 2,2-Dichloropropane	6.78	77	315463	48.003	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	332427	48.165	ug/l 99
33) Carbon Tetrachloride	7.73	117	305825	48.533	ug/l 98
34) Benzene	8.00	78	716596	48.420	ug/l # 92
35) Methacrylonitrile	7.16	41	342799	130.416	ug/l # 52
36) 1,2-Dichloroethane	8.08	62	295733	45.563	ug/l 100
37) Trichloroethene	8.80	130	200532	49.521	ug/l 98
38) Methylcyclohexane	9.05	83	232569	44.344	ug/l 97
39) 1,2-Dichloropropane	9.08	63	185512	47.206	ug/l 98
40) Dibromomethane	9.17	93	134211	48.534	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	284769	47.762	ug/l	100
42) Vinyl Acetate	5.84	43	2515101	231.377	ug/l	99
43) Ethyl Acetate	6.88	43	233410	46.133	ug/l #	79
44) Isopropyl Acetate	8.12	43	408448	43.303	ug/l #	80
45) 1,4-Dioxane	9.16	88	58071	811.538	ug/l	94
46) Methyl methacrylate	9.16	41	203462	44.281	ug/l	98
47) n-amyl Acetate	12.04	43	357662	45.039	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	316645	47.841	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	324395	47.513	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	181031	48.966	ug/l	92
51) Ethyl methacrylate	10.40	69	272222	47.985	ug/l	93
52) 1,3-Dichloropropane	10.68	76	311297	48.112	ug/l	98
53) Dibromochloromethane	10.87	129	221637	49.163	ug/l	97
54) 1,2-Dibromoethane	10.97	107	194234	49.223	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	674352	237.558	ug/l	99
56) Bromoform	12.10	173	159182	49.890	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	1173090	222.509	ug/l	99
59) 2-Hexanone	10.72	43	898286	226.241	ug/l	99
61) Tetrachloroethene	10.60	164	195957	49.739	ug/l	98
62) Toluene	10.12	91	798837	49.142	ug/l	99
64) Chlorobenzene	11.40	112	508614	50.111	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.48	131	200122	49.978	ug/l	98
66) Ethyl Benzene	11.48	91	901853	49.037	ug/l	98
67) m/p-Xylenes	11.59	106	689220	101.181	ug/l	98
68) o-Xylene	11.92	106	325820	48.735	ug/l	96
69) Styrene	11.94	104	554973	50.181	ug/l	98
70) Isopropylbenzene	12.22	105	850461	48.325	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	237984	47.902	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	349494	67.952	ug/l	60
73) Bromobenzene	12.50	156	222297	50.909	ug/l	99
74) n-propylbenzene	12.56	91	952767	47.820	ug/l	98
75) 2-Chlorotoluene	12.65	91	596120	48.178	ug/l	96
76) 1,3,5-Trimethylbenzene	12.70	105	711268	48.118	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	94468	48.902	ug/l	92
78) 4-Chlorotoluene	12.75	91	620707	48.060	ug/l	96
79) tert-butylbenzene	12.97	119	563925	46.173	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	713037	47.753	ug/l	98
81) sec-Butylbenzene	13.14	105	718394	45.662	ug/l	100
82) p-Isopropyltoluene	13.26	119	664118	46.052	ug/l	99
83) 1,3-Dichlorobenzene	13.25	146	377412	50.074	ug/l	99
84) 1,4-Dichlorobenzene	13.33	146	379924	50.074	ug/l	99
85) n-Butylbenzene	13.59	91	534629	42.879	ug/l	96
86) Hexachloroethane	13.85	117	125432	46.945	ug/l	95
87) 1,2-Dichlorobenzene	13.62	146	369358	49.736	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	54045	44.322	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	184702	45.037	ug/l	94
90) Hexachlorobutadiene	14.98	225	96533	43.663	ug/l	99
91) Naphthalene	15.10	128	563577	46.457	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	181239	46.151	ug/l	99

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ClientSampleId :
VSTDICC050

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 02 15:04:18 2020
Response via : Initial Calibration

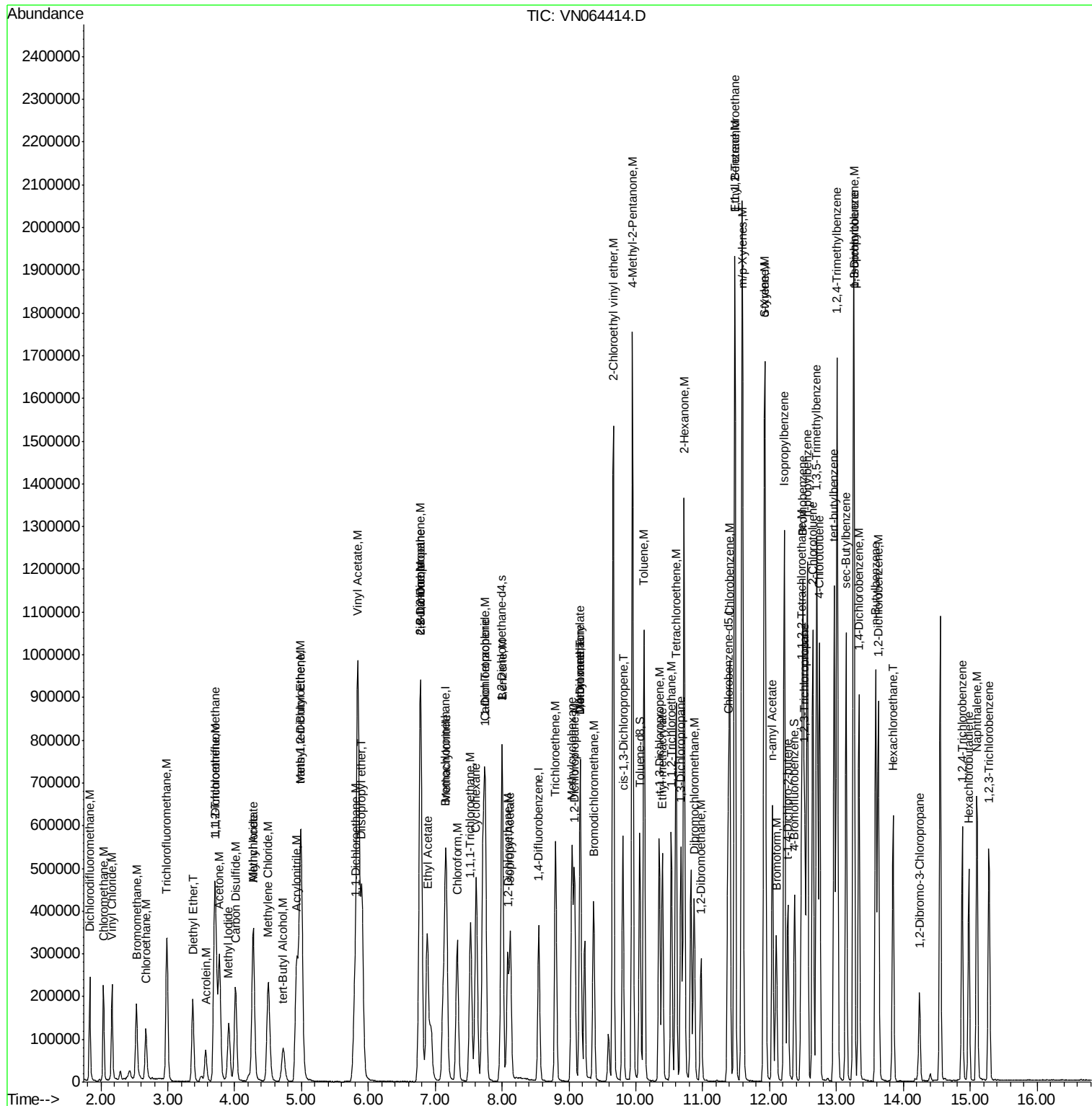
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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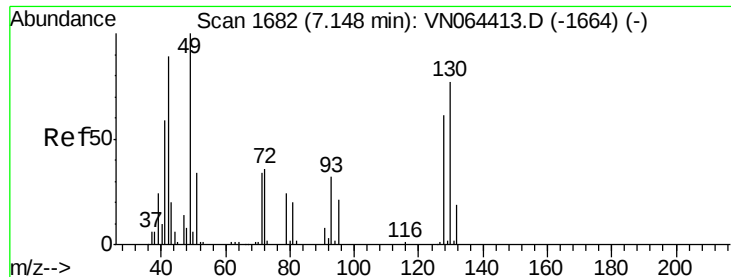
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Quant Time: Nov 02 15:12:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

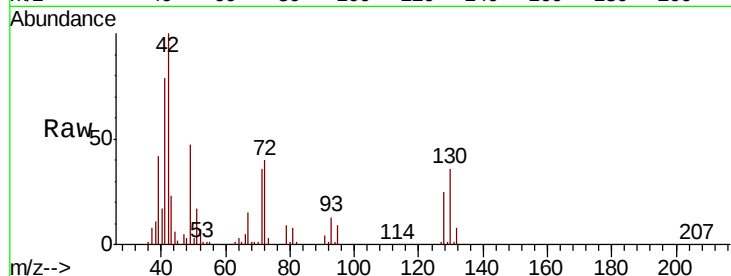
Tot Ion:128 Resp: 30727

Ion Ratio Lower Upper

128 100

49 315.1 0.0 423.5

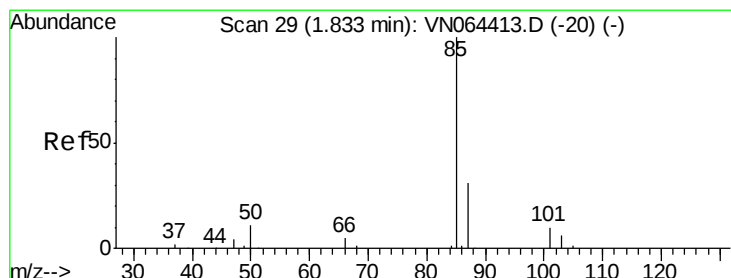
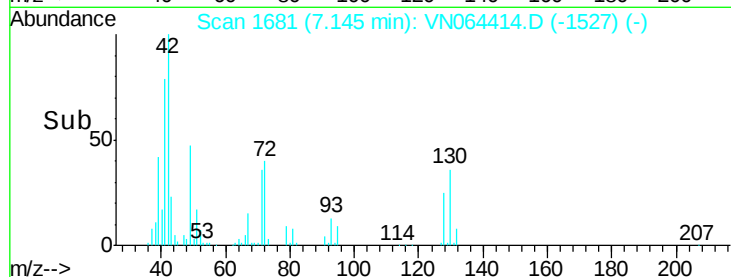
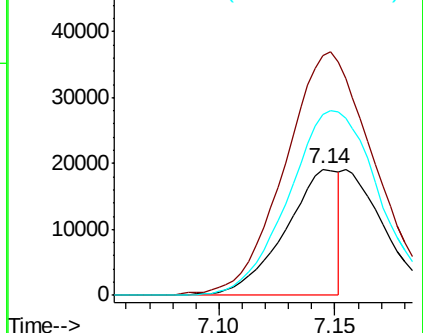
130 247.7 0.0 325.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 76.578 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064414.D

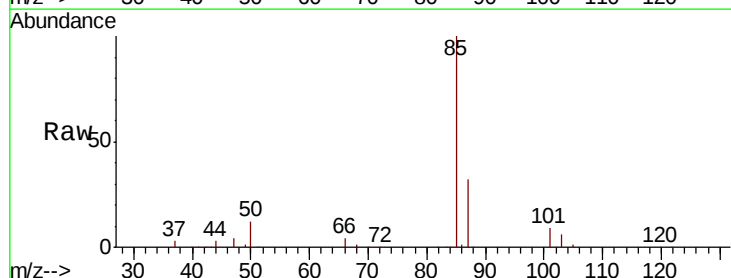
Acq: 2 Nov 2020 14:37

Tgt Ion: 85 Resp: 184976

Ion Ratio Lower Upper

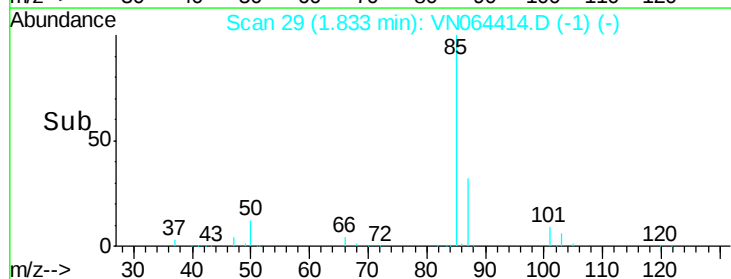
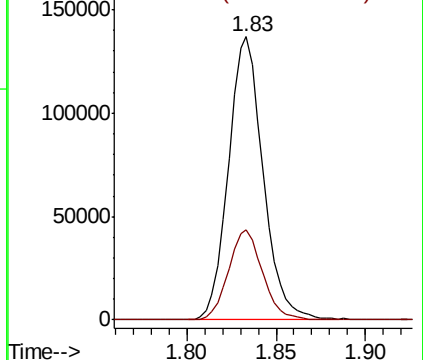
85 100

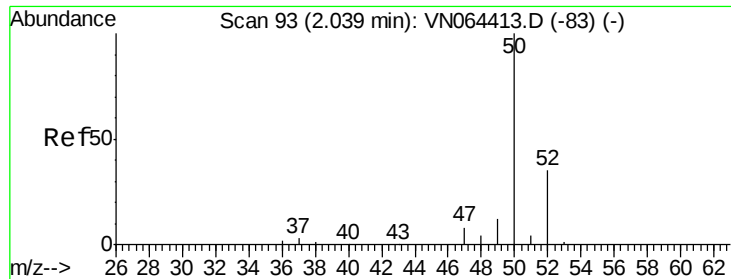
87 31.8 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

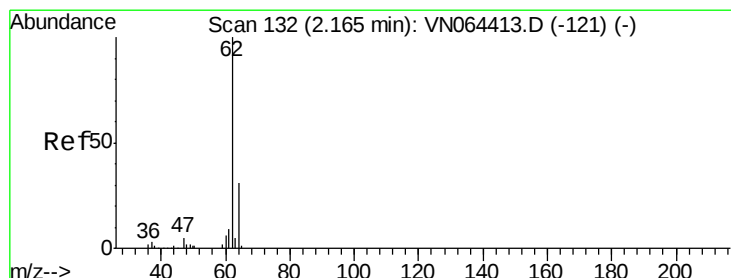
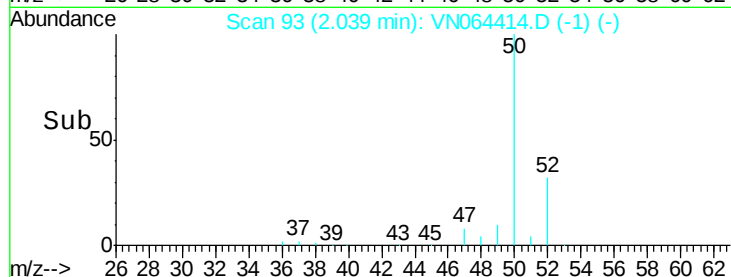
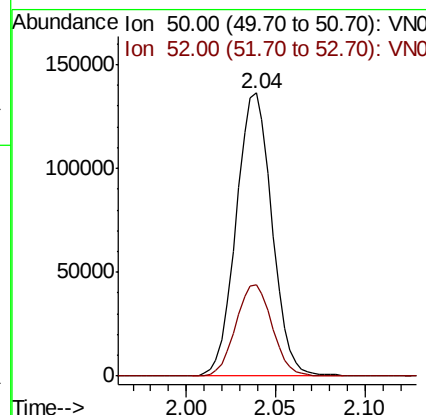
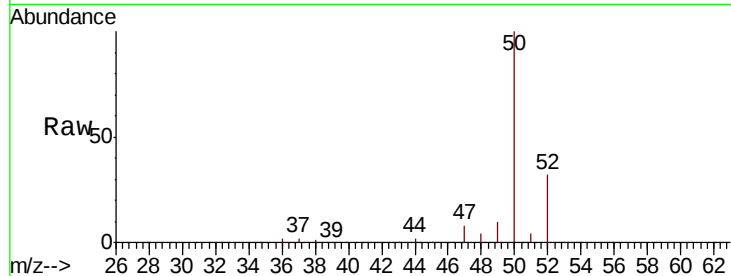




#3
Chloromethane
Concen: 82.888 ug/l
RT: 2.04 min Scan# 93
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

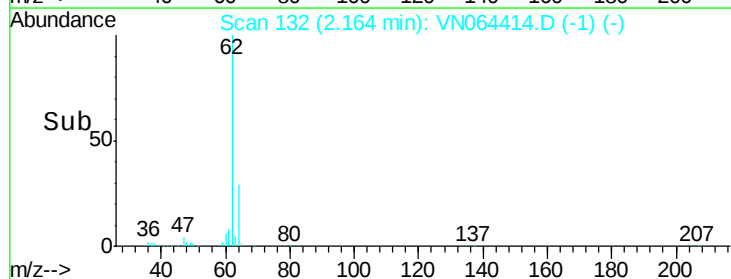
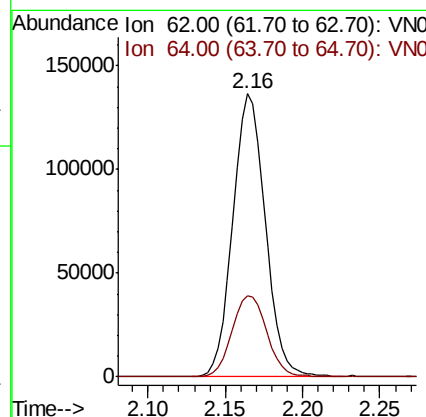
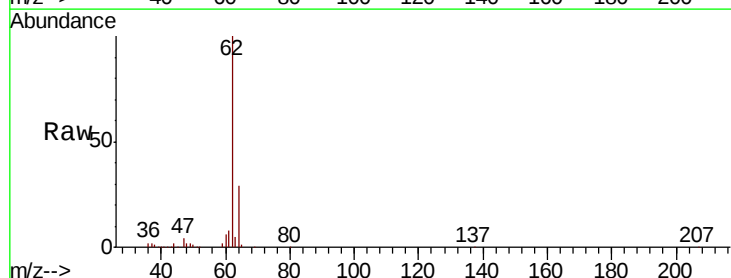
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

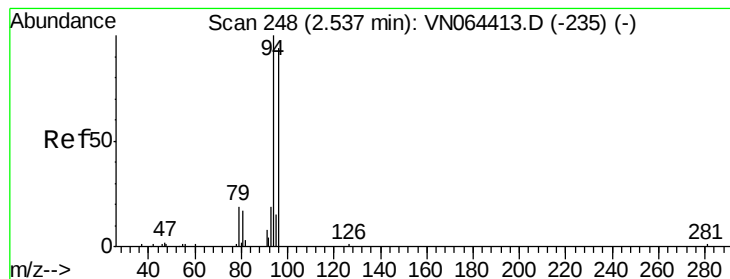
Tot Ion: 50 Resp: 190193
Ion Ratio Lower Upper
50 100
52 32.5 27.7 41.5



#4
Vinyl Chloride
Concen: 88.226 ug/l
RT: 2.16 min Scan# 132
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion: 62 Resp: 199055
Ion Ratio Lower Upper
62 100
64 28.7 24.5 36.7





#5

Bromomethane

Concen: 89.573 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

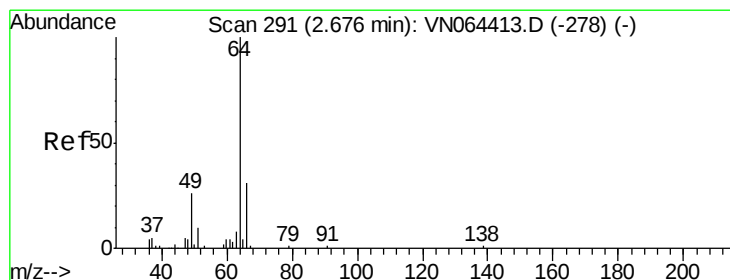
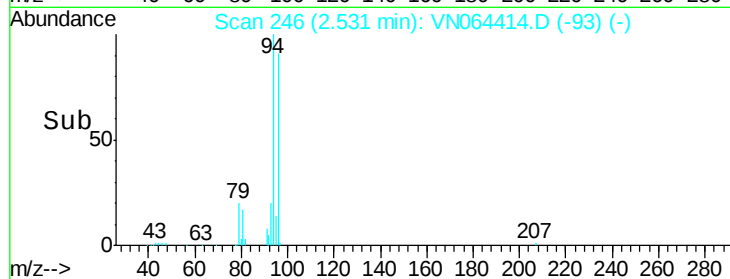
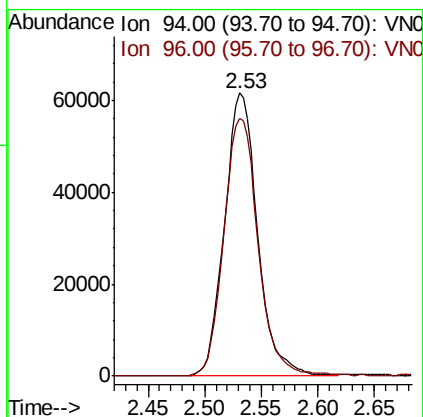
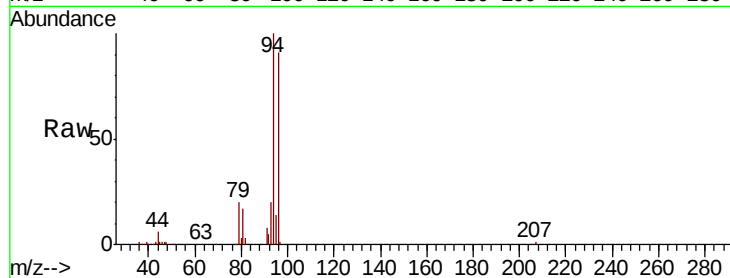
VSTDIC050

Tot Ion: 94 Resp: 125667

Ion Ratio Lower Upper

94 100

96 90.6 75.2 112.8



#6

Chloroethane

Concen: 91.499 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064414.D

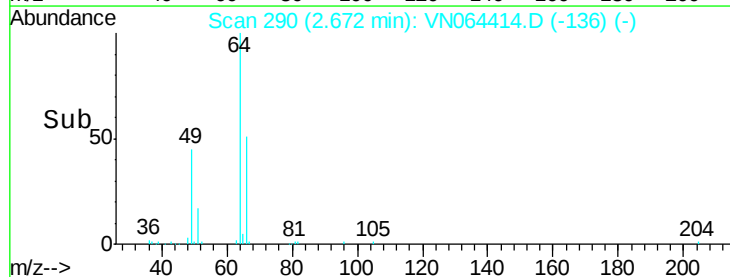
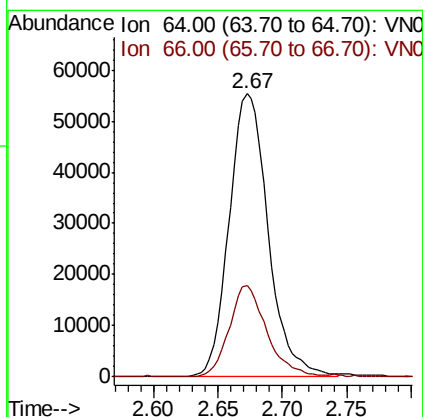
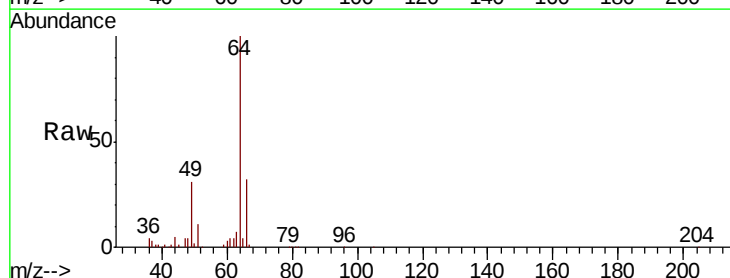
Acq: 2 Nov 2020 14:37

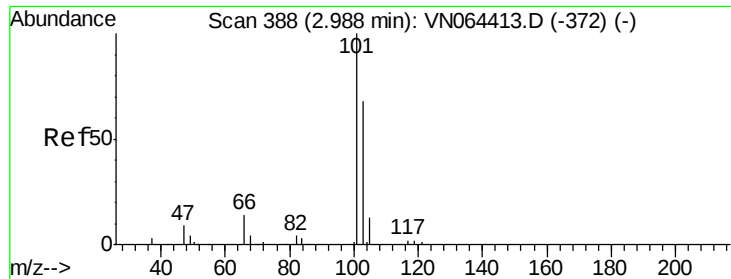
Tgt Ion: 64 Resp: 116469

Ion Ratio Lower Upper

64 100

66 32.1 25.0 37.4



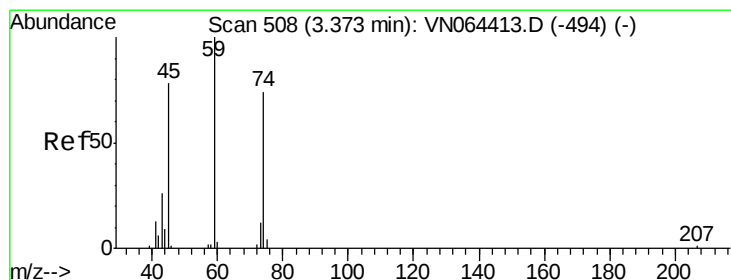
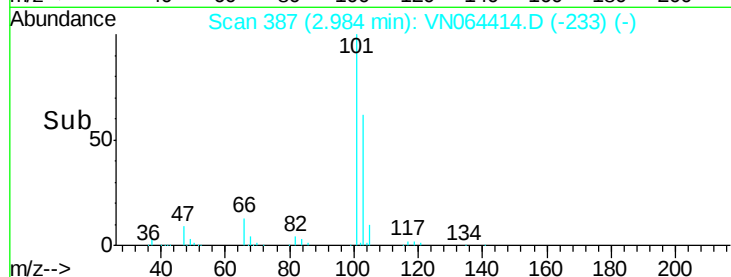
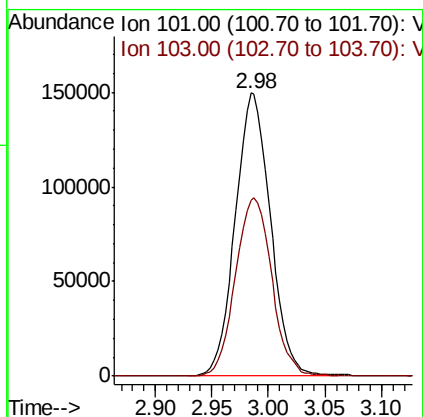
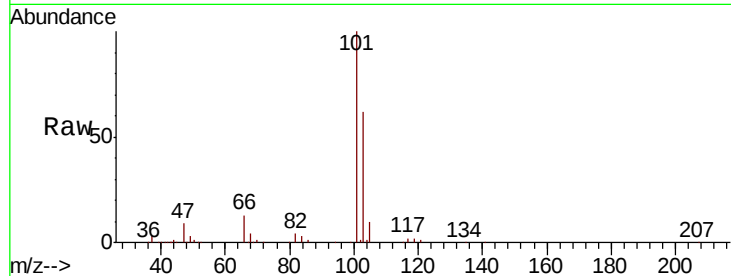


#7

Trichlorofluoromethane
Concen: 92.227 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Instrument :
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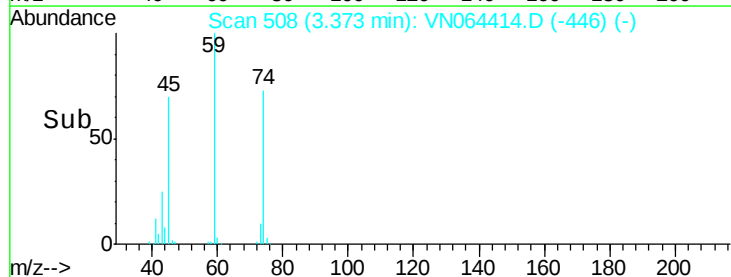
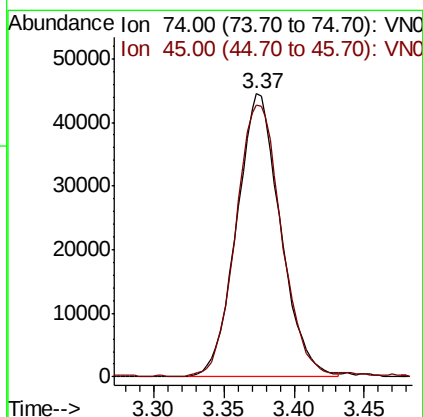
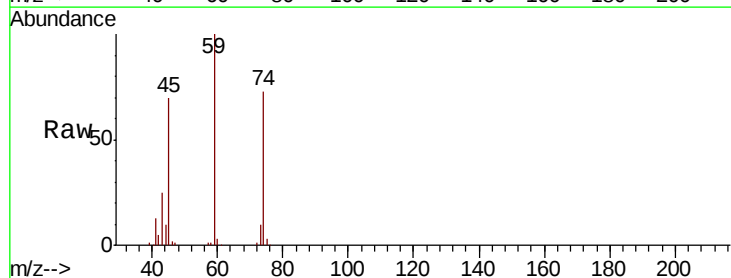
Tot Ion:101 Resp: 325171
Ion Ratio Lower Upper
101 100
103 62.1 54.6 81.8

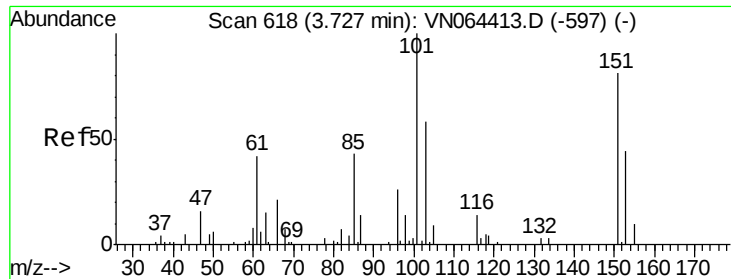


#8

Diethyl Ether
Concen: 87.077 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion: 74 Resp: 96633
Ion Ratio Lower Upper
74 100
45 100.1 21.2 190.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 87.787 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.01 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

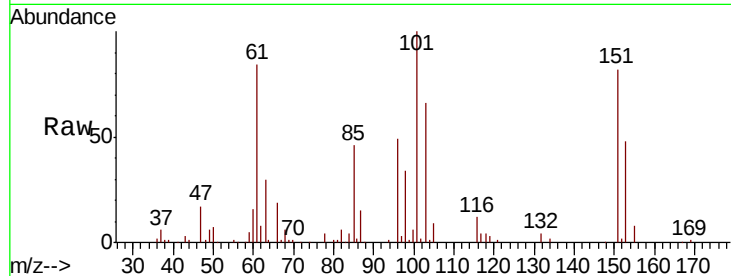
Tot Ion:101 Resp: 157686

Ion Ratio Lower Upper

101 100

85 46.2 0.0 89.6

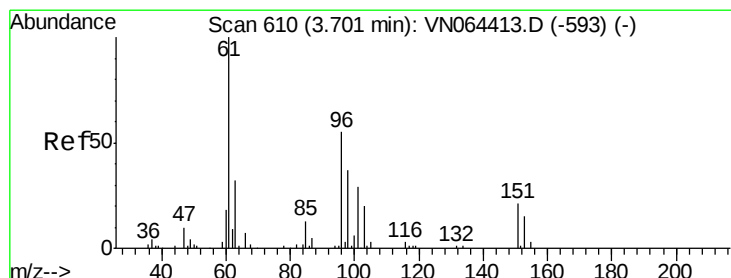
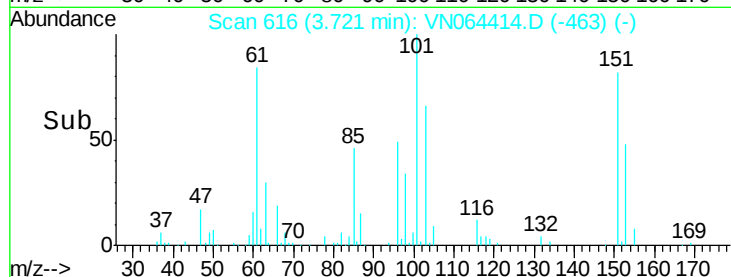
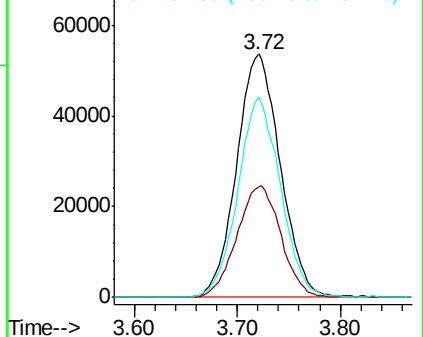
151 80.0 0.0 158.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 89.045 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

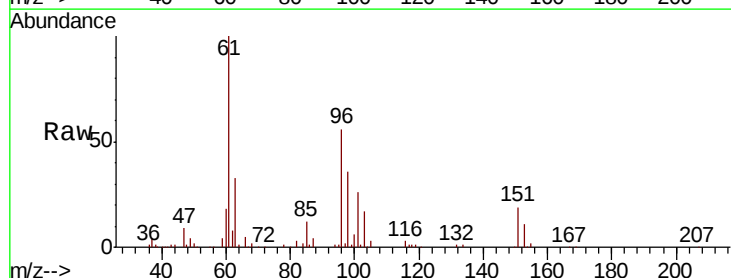
Tgt Ion: 96 Resp: 152205

Ion Ratio Lower Upper

96 100

61 179.6 145.6 218.4

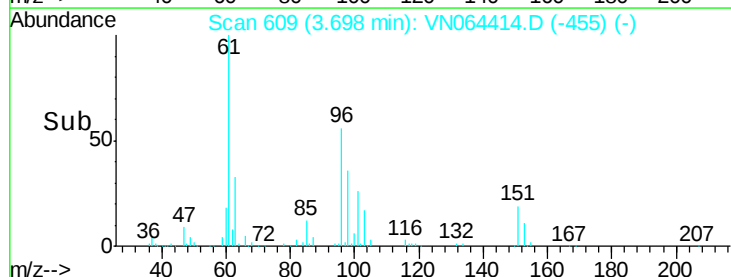
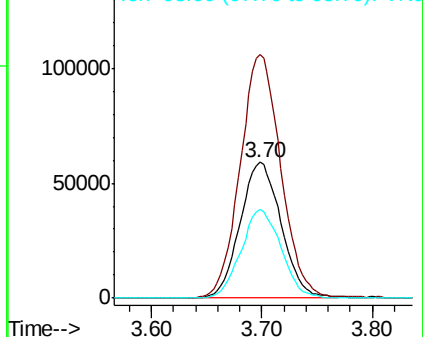
98 65.1 53.9 80.9

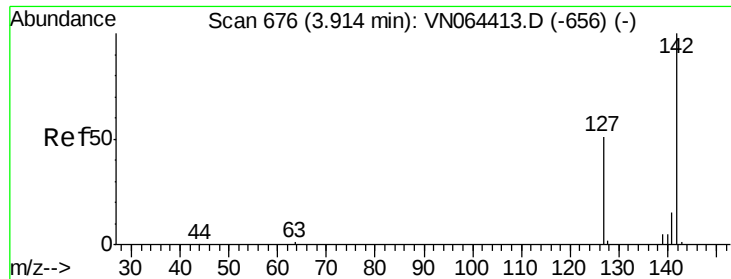


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

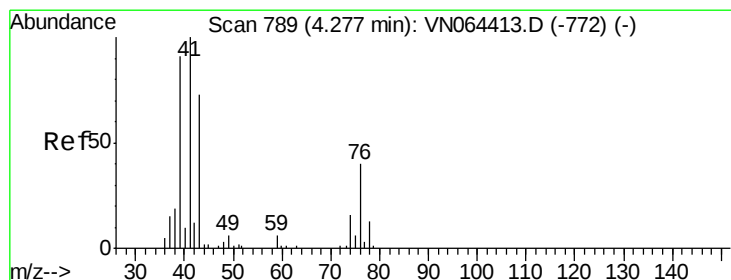
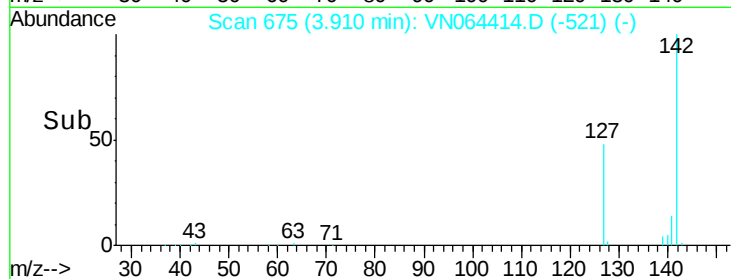
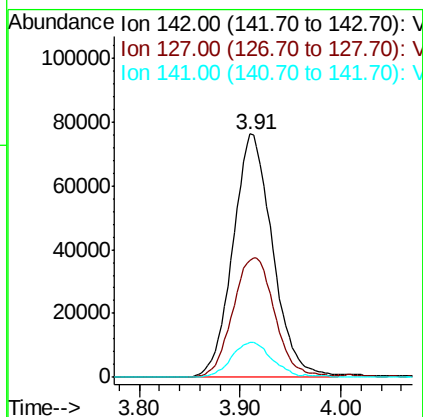
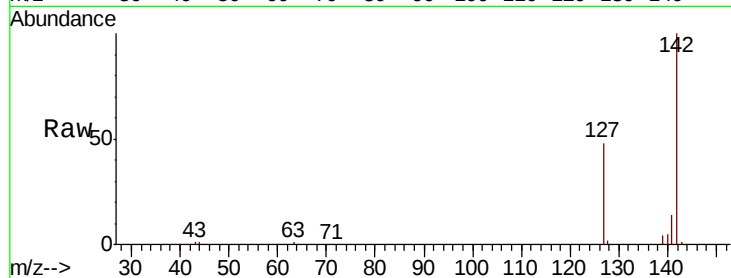




#11
Methyl Iodide
Concen: 85.988 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

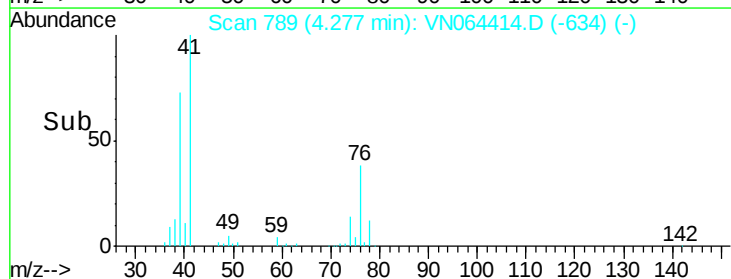
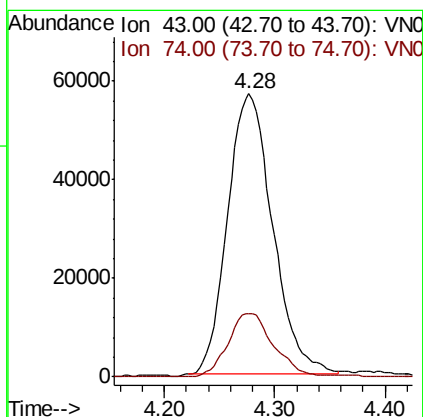
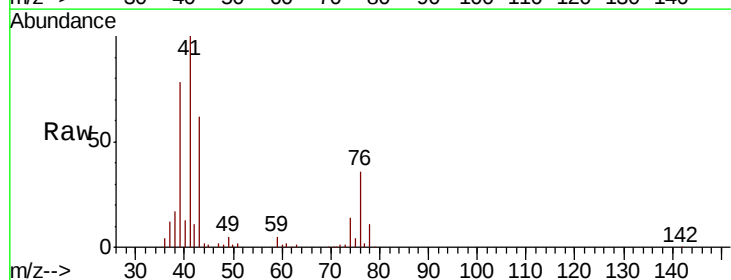
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

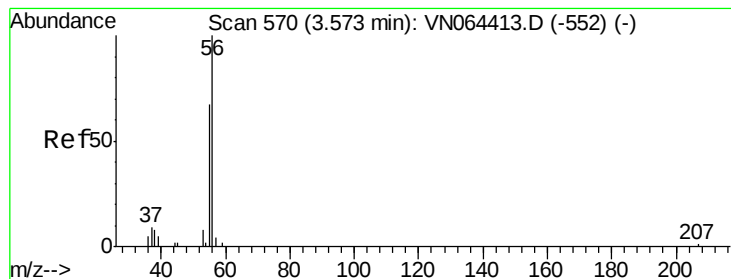
Tot Ion:142 Resp: 208586
Ion Ratio Lower Upper
142 100
127 48.3 25.4 76.2
141 14.4 7.8 23.3



#12
Methyl Acetate
Concen: 80.632 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion: 43 Resp: 161512
Ion Ratio Lower Upper
43 100
74 22.3 17.1 25.7





#13

Acrolein

Concen: 552.083 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

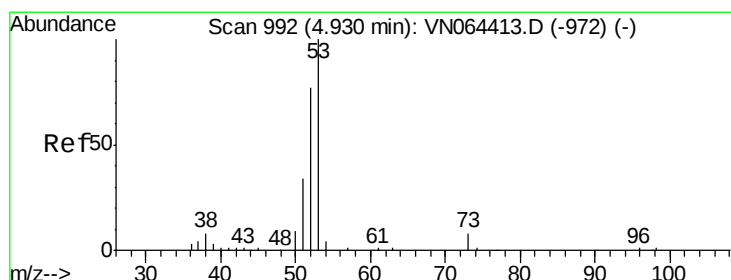
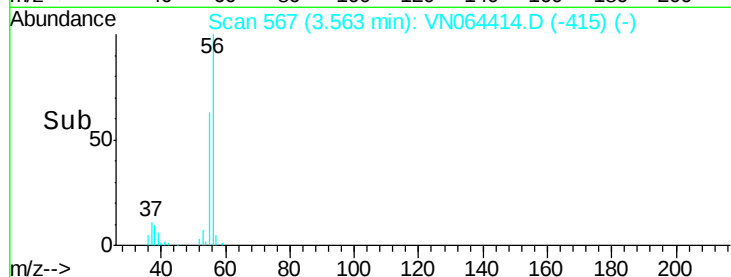
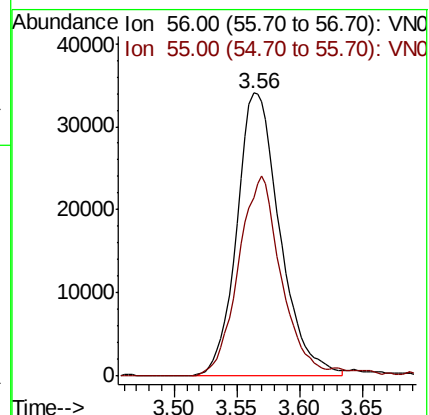
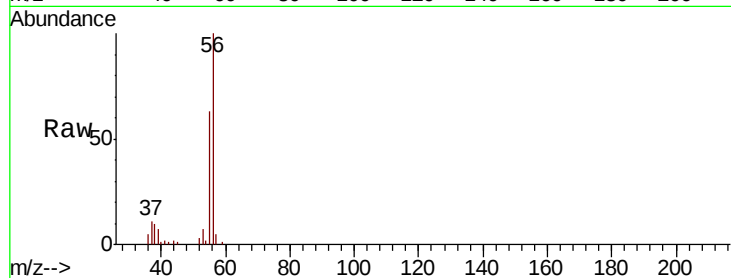
VSTDIC050

Tot Ion: 56 Resp: 81387

Ion Ratio Lower Upper

56 100

55 69.8 52.5 78.7



#14

Acrylonitrile

Concen: 424.039 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

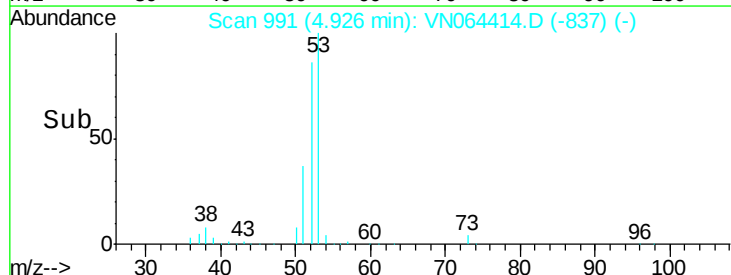
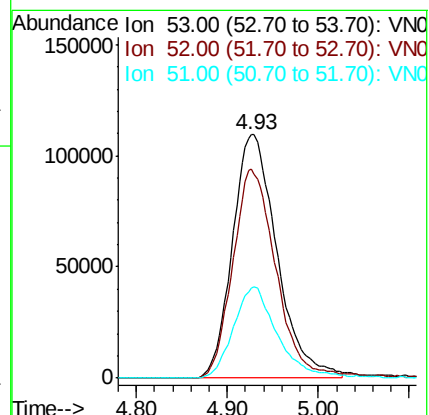
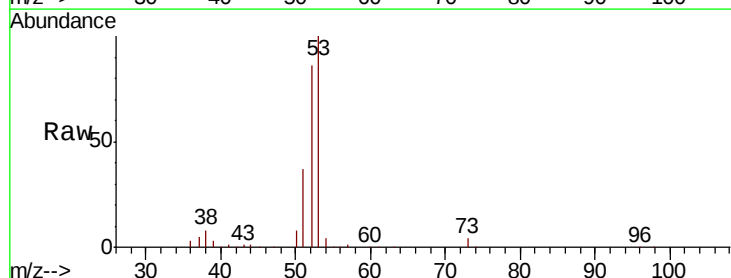
Tgt Ion: 53 Resp: 371470

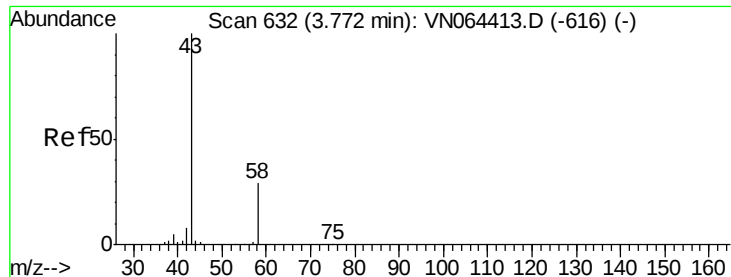
Ion Ratio Lower Upper

53 100

52 83.0 41.1 123.3

51 37.1 17.8 53.3





#15

Acetone

Concen: 501.329 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

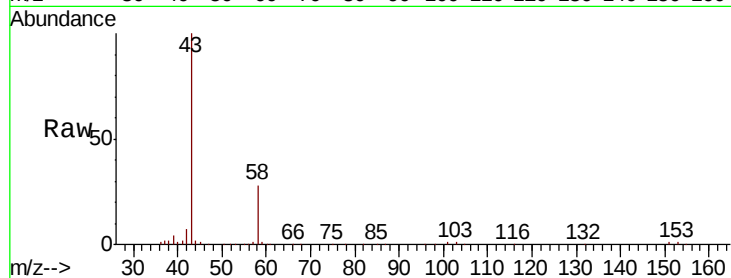
VSTDIC050

Tot Ion: 58 Resp: 131907

Ion Ratio Lower Upper

58 100

43 358.0 276.1 414.1



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

200000

150000

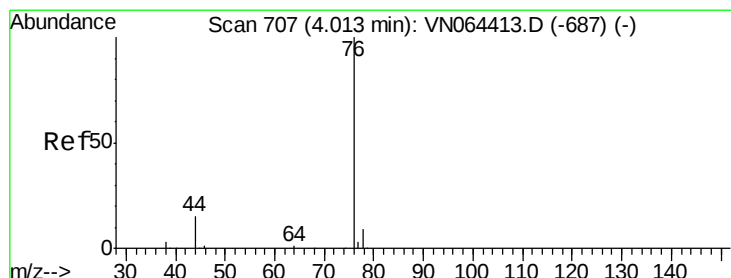
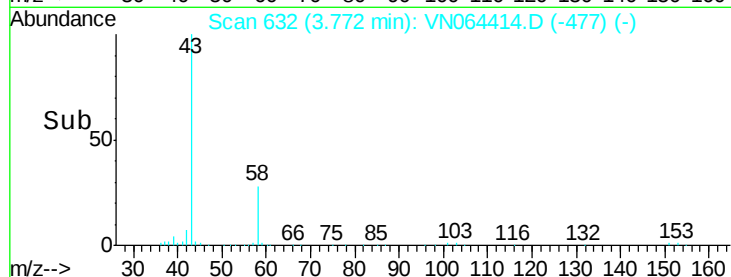
100000

50000

0

3.70 3.75 3.80 3.85

Time-->



#16

Carbon Disulfide

Concen: 84.808 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN064414.D

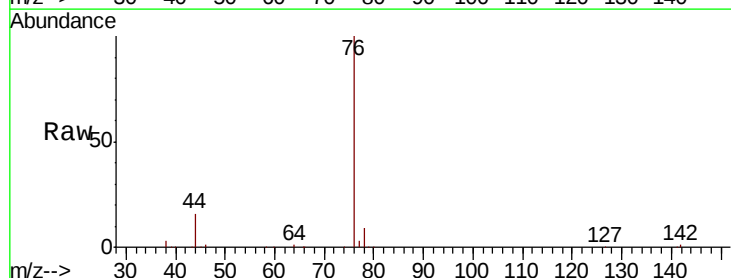
Acq: 2 Nov 2020 14:37

Tgt Ion: 76 Resp: 430897

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

150000

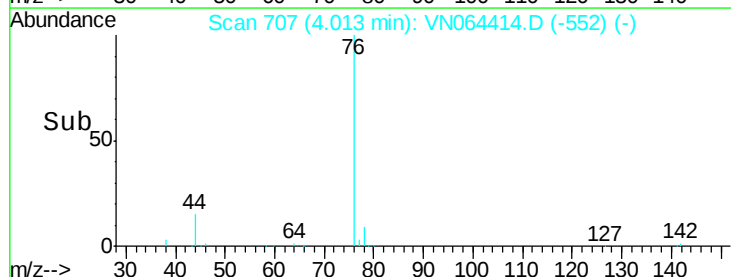
100000

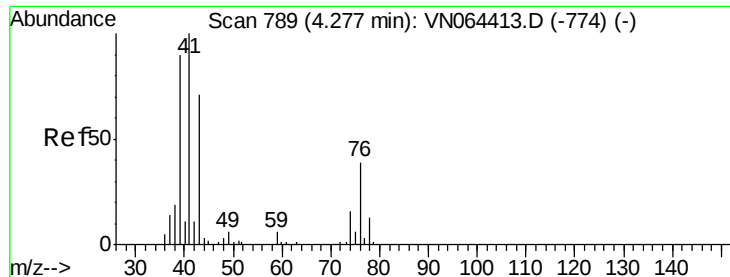
50000

0

3.90 4.00 4.10

Time-->

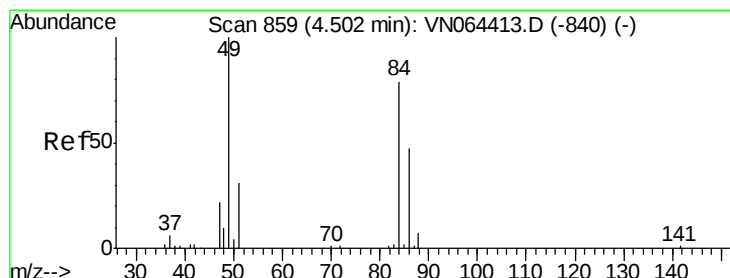
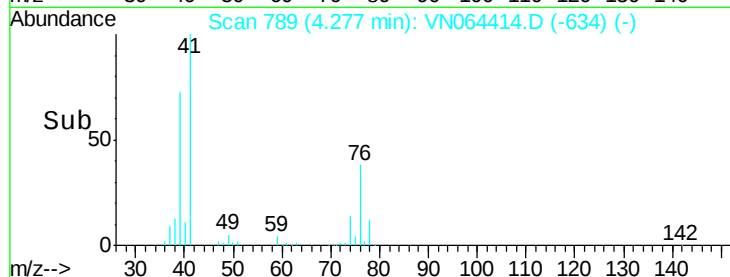
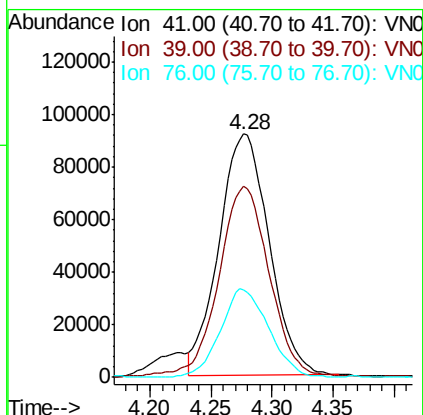
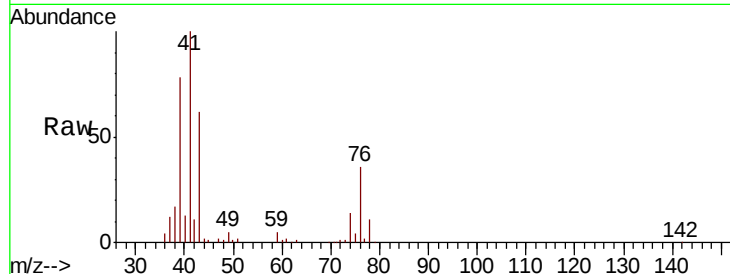




#17
Allvl chloride
Concen: 81.605 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

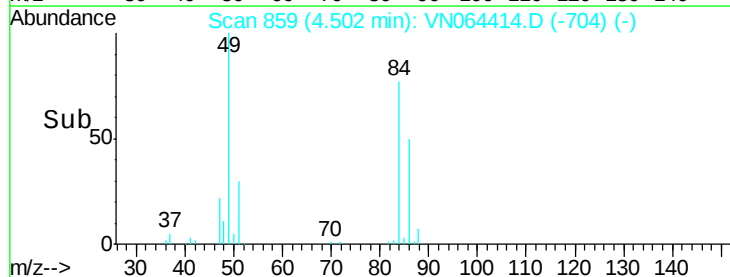
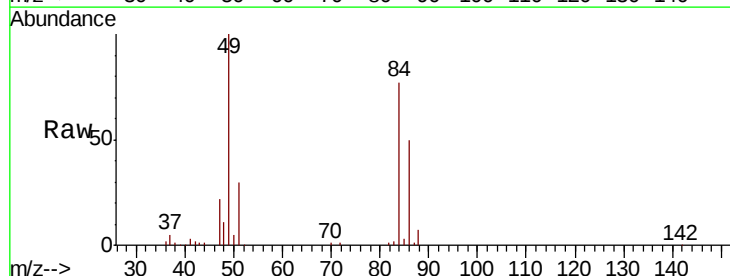
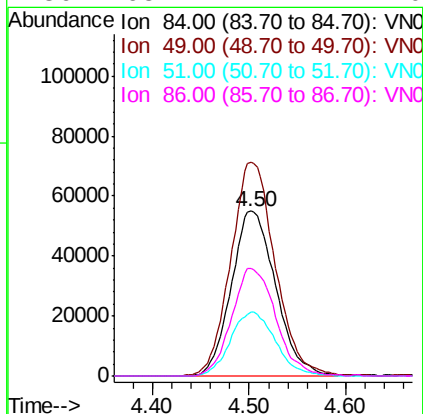
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

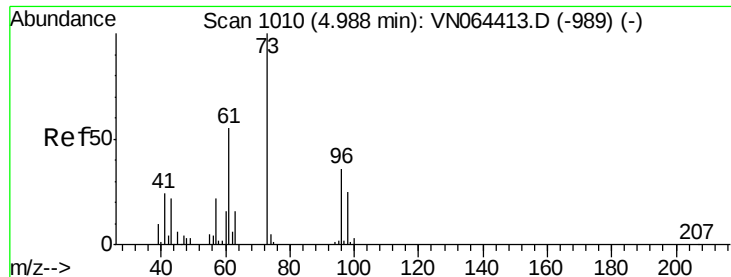
Tot Ion: 41 Resp: 263726
Ion Ratio Lower Upper
41 100
39 78.3 42.3 126.8
76 36.0 18.6 55.8



#18
Methylene Chloride
Concen: 89.665 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion: 84 Resp: 175573
Ion Ratio Lower Upper
84 100
49 128.8 101.0 151.4
51 38.9 31.2 46.8
86 65.1 47.4 71.0

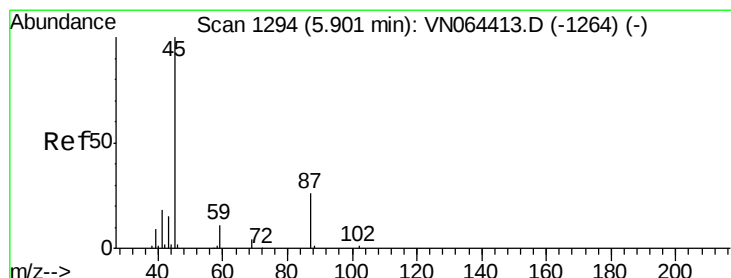
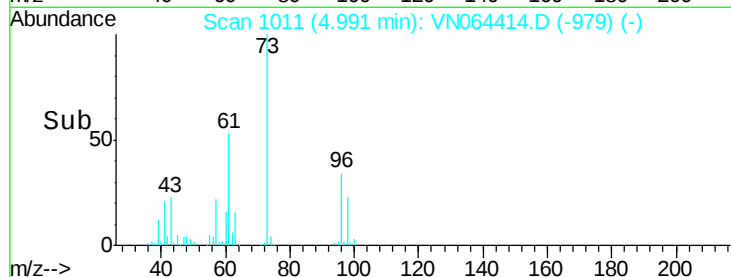
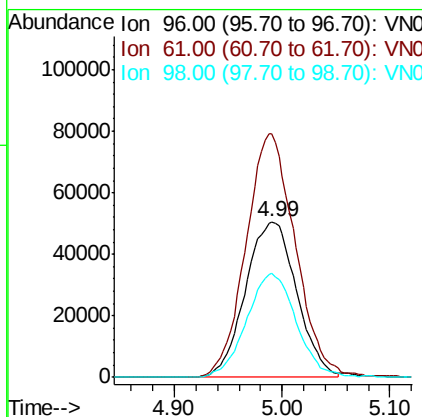
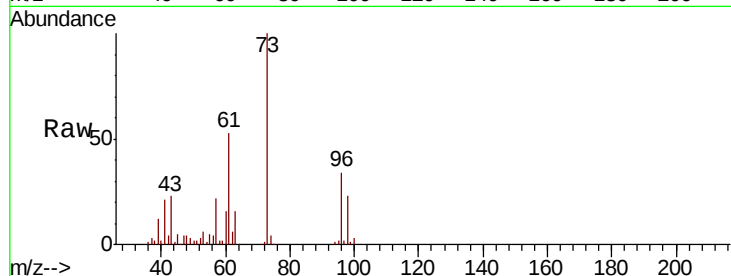




#19
trans-1,2-Dichloroethene
Concen: 88.443 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

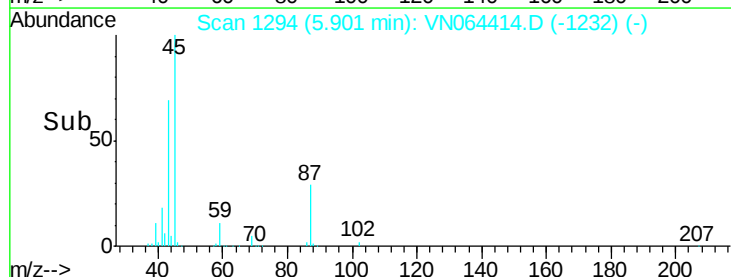
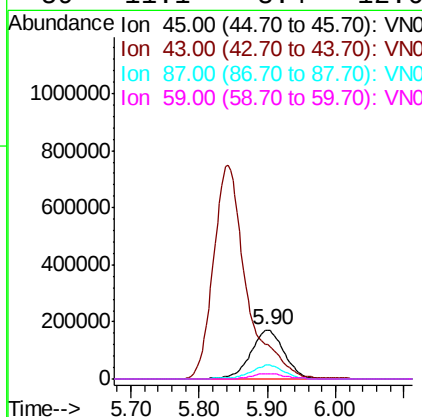
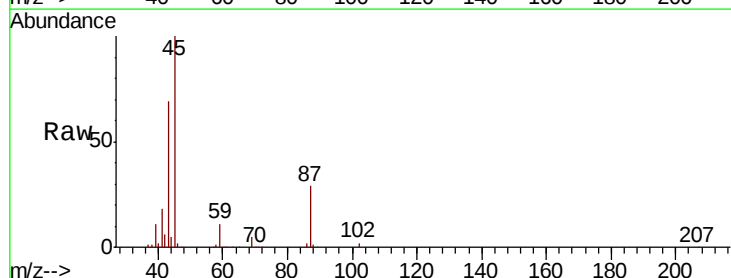
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

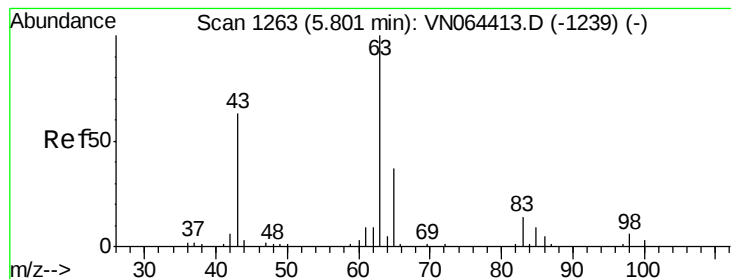
Tot Ion: 96 Resp: 166457
Ion Ratio Lower Upper
96 100
61 156.1 121.4 182.0
98 66.7 55.5 83.3



#20
Diisopropyl ether
Concen: 89.573 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion: 45 Resp: 589870
Ion Ratio Lower Upper
45 100
43 67.2 49.6 74.4
87 28.6 21.0 31.6
59 11.1 8.4 12.6





#21

1,1-Dichloroethane

Concen: 87.514 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

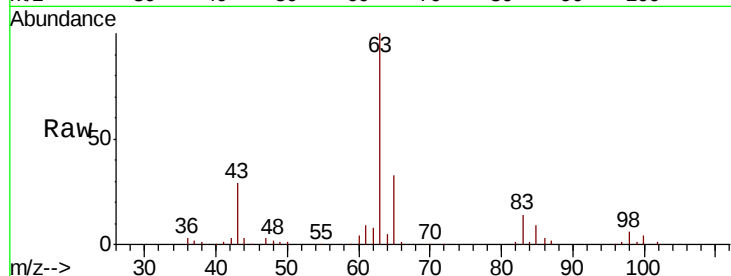
Tot Ion: 63 Resp: 323200

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

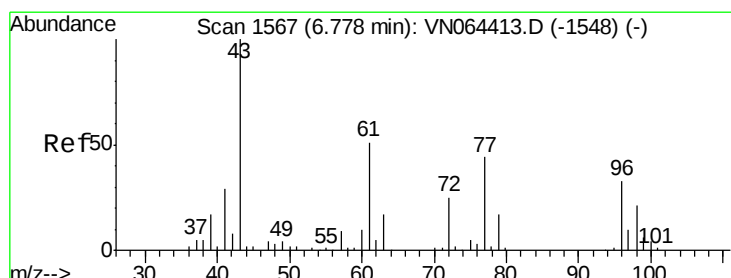
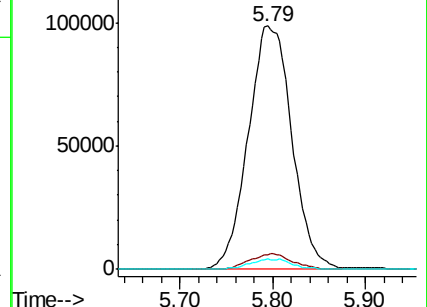
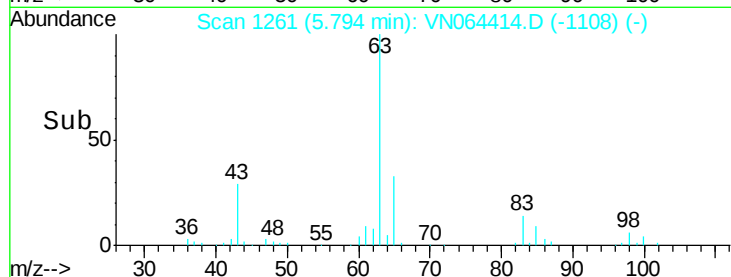
100 4.2 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VN064414.D (-1261) (-)

Ion 98.00 (97.70 to 98.70): VN064414.D (-1261) (-)

Ion 100.00 (99.70 to 100.70): VN064414.D (-1261) (-)



#22

cis-1,2-Dichloroethene

Concen: 91.066 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

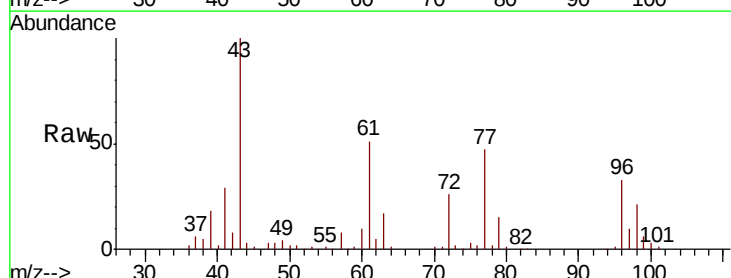
Tgt Ion: 96 Resp: 197325

Ion Ratio Lower Upper

96 100

61 154.9 122.3 183.5

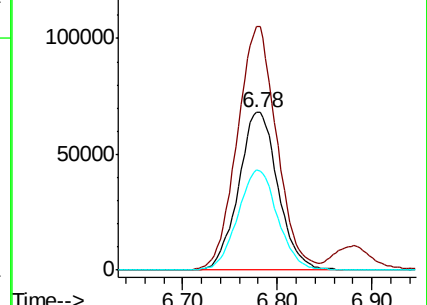
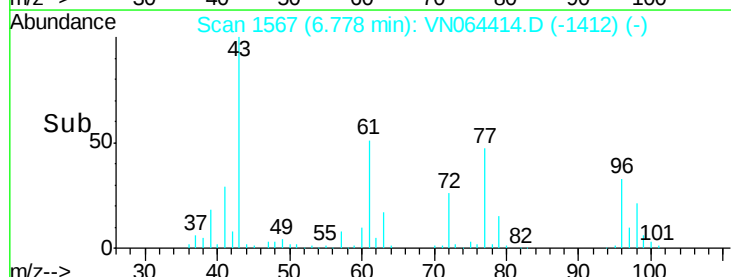
98 63.8 49.6 74.4

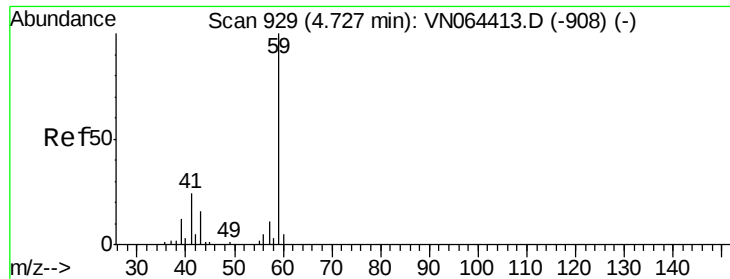


Abundance Ion 96.00 (95.70 to 96.70): VN064414.D (-1567) (-)

Ion 61.00 (60.70 to 61.70): VN064414.D (-1567) (-)

Ion 98.00 (97.70 to 98.70): VN064414.D (-1567) (-)

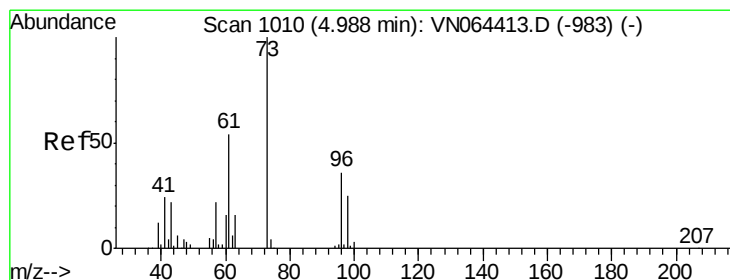
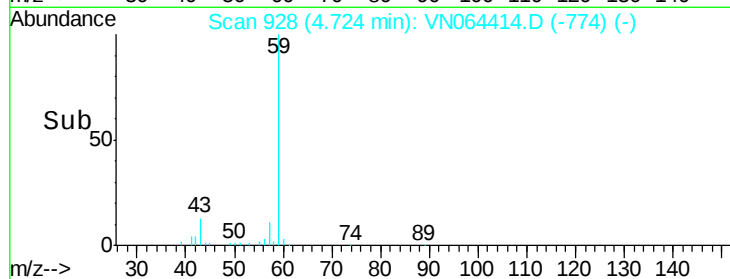
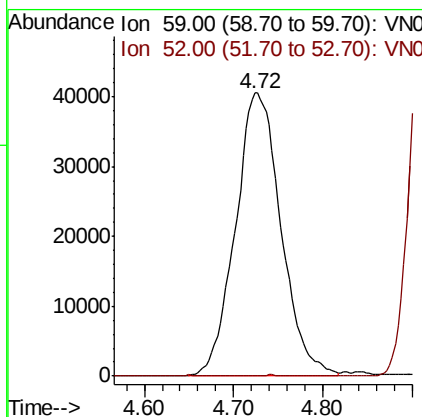
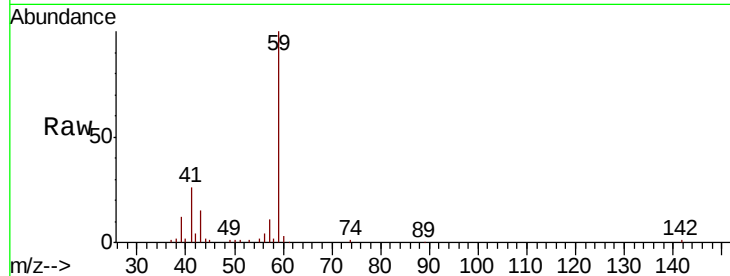




#23
tert-Butyl Alcohol
Concen: 366.930 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

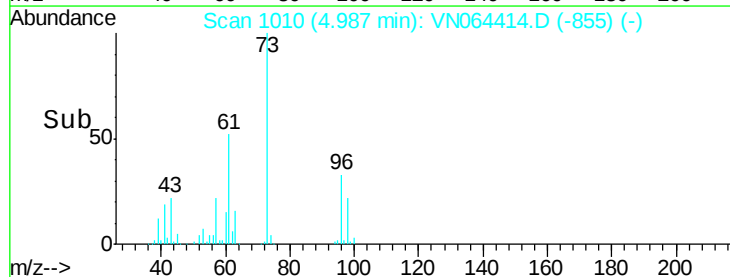
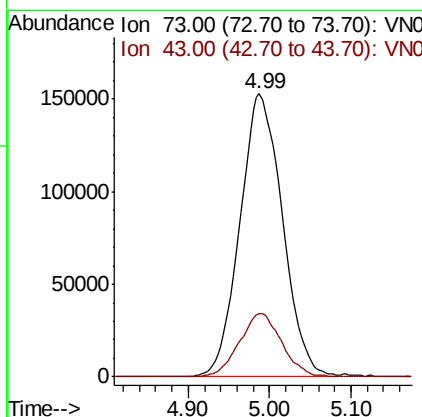
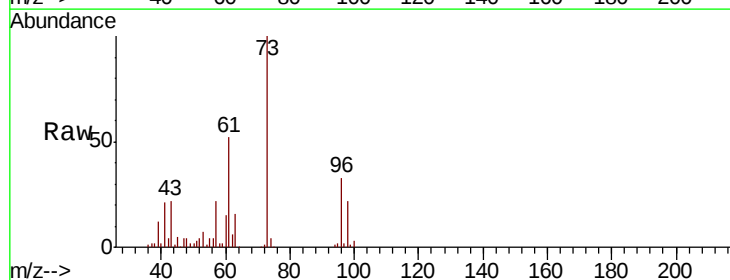
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

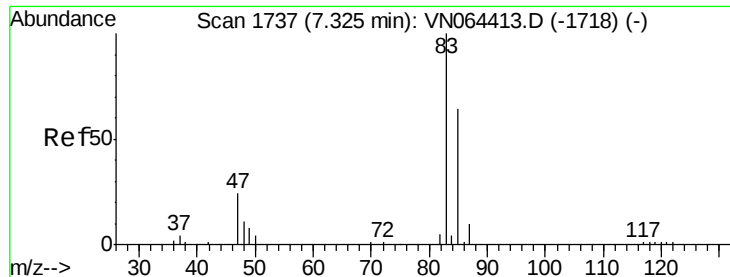
Tot Ion: 59 Resp: 143705
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0#



#24
Methyl tert-Butyl Ether
Concen: 86.259 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion: 73 Resp: 553099
Ion Ratio Lower Upper
73 100
43 22.1 6.8 10.2#





#25

Chloroform

Concen: 90.583 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

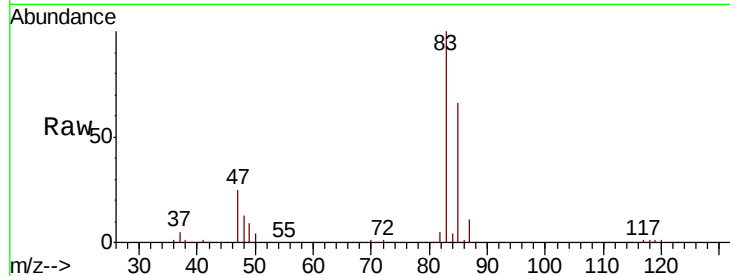
VSTDIC050

Tot Ion: 83 Resp: 347133

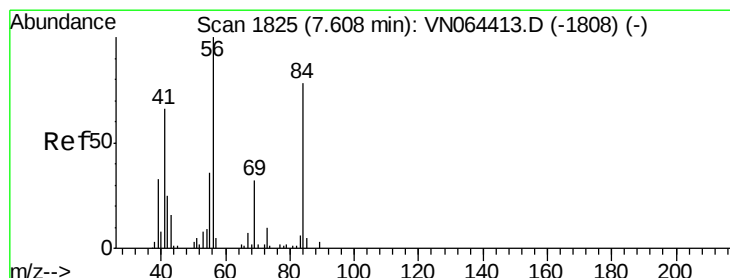
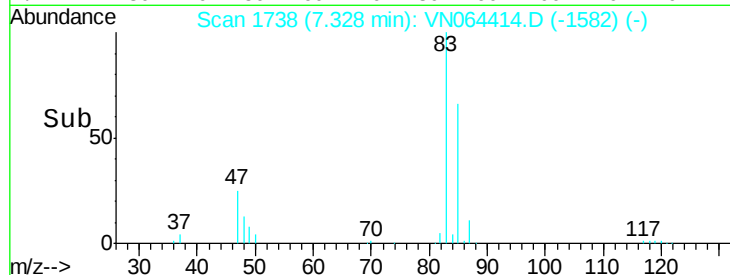
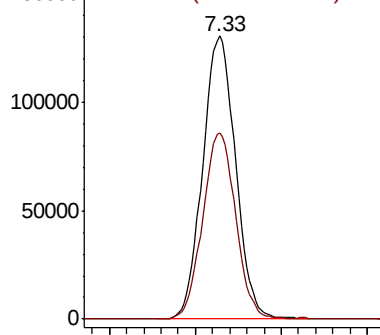
Ion Ratio Lower Upper

83 100

85 65.7 51.0 76.4



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO



#26

Cyclohexane

Concen: 87.762 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

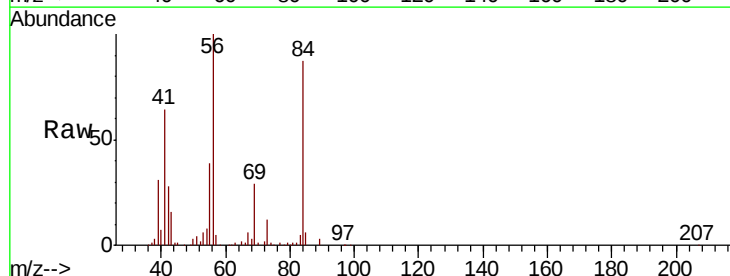
Tgt Ion: 56 Resp: 263596

Ion Ratio Lower Upper

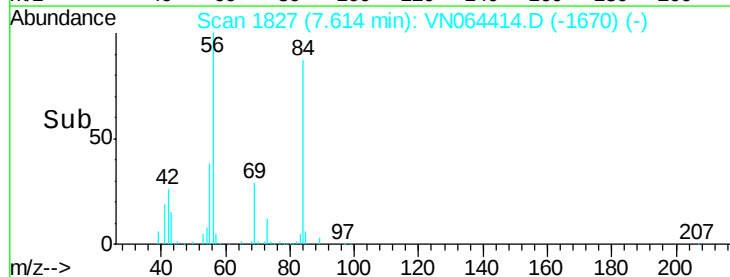
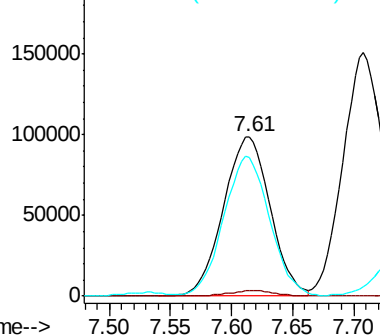
56 100

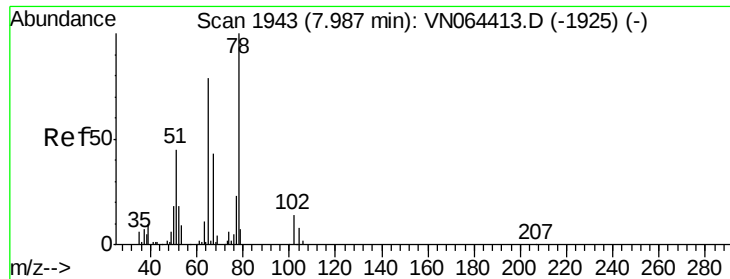
89 3.3 2.3 3.5

84 86.2 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 89.00 (88.70 to 89.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

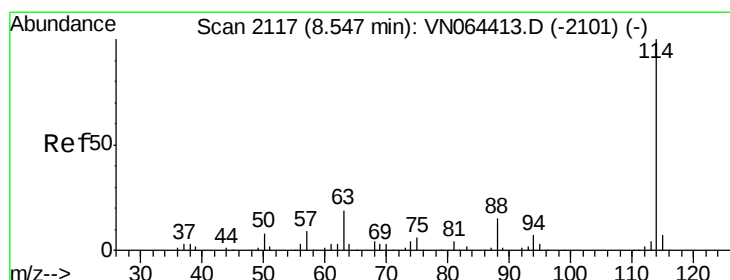
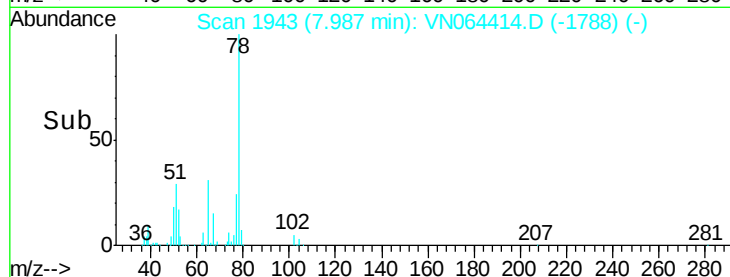
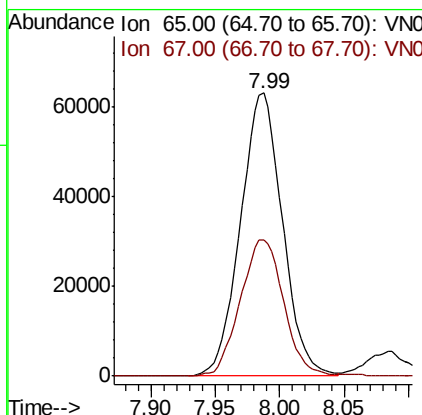
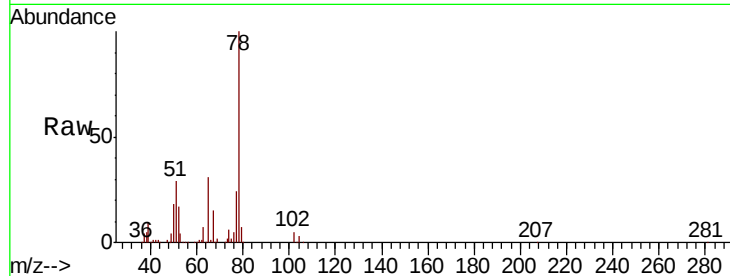




#27
 1,2-Dichloroethane-d4
 Concen: 52.782 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

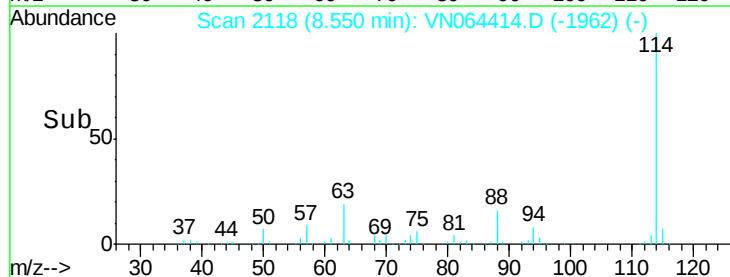
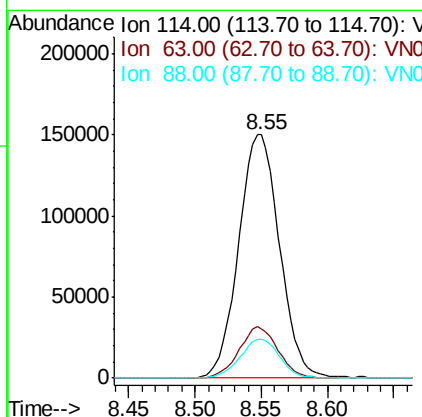
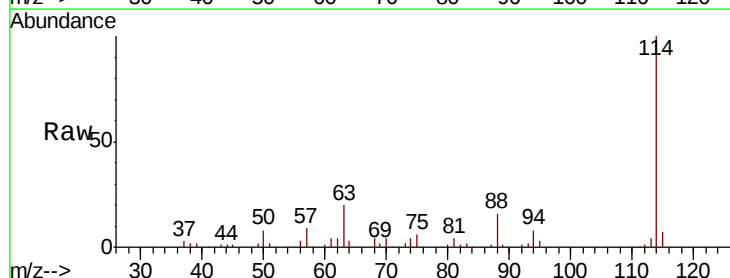
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

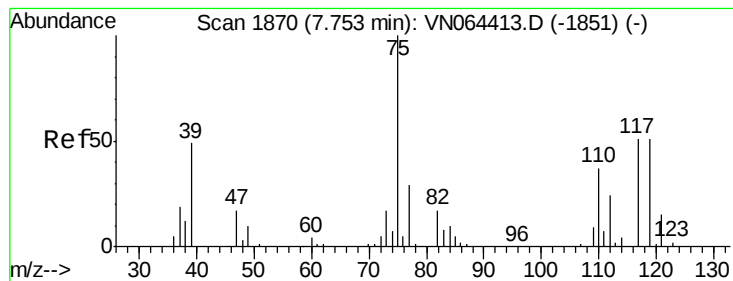
Tot Ion: 65 Resp: 143363
 Ion Ratio Lower Upper
 65 100
 67 49.5 40.6 61.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion: 114 Resp: 321391
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.2 24.4
 88 15.6 12.6 19.0

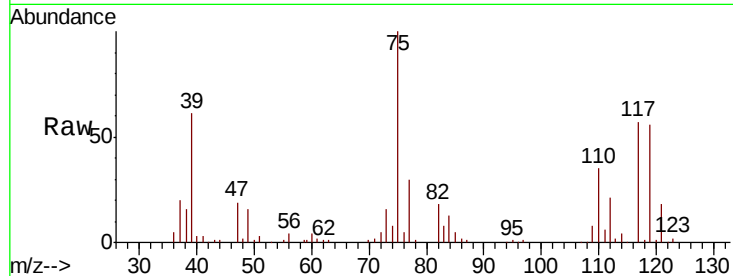




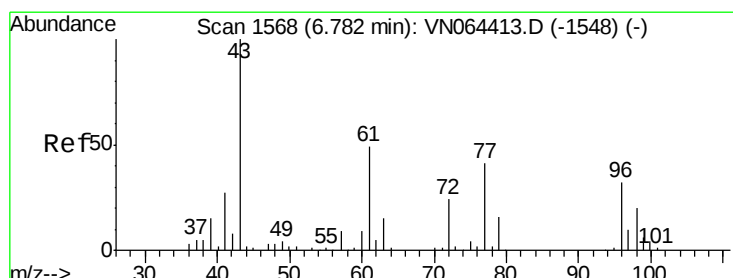
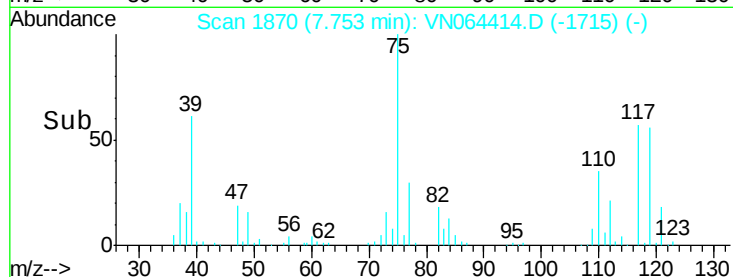
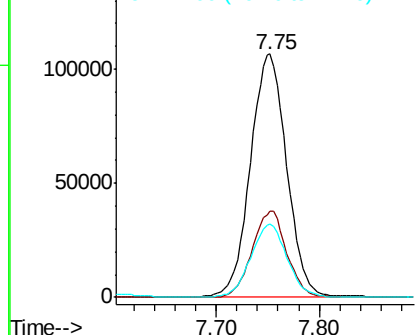
#29
 1,1-Dichloropropene
 Concen: 47.733 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 75 Resp: 260025
 Ion Ratio Lower Upper
 75 100
 110 33.8 0.0 71.8
 77 30.4 0.0 32.4

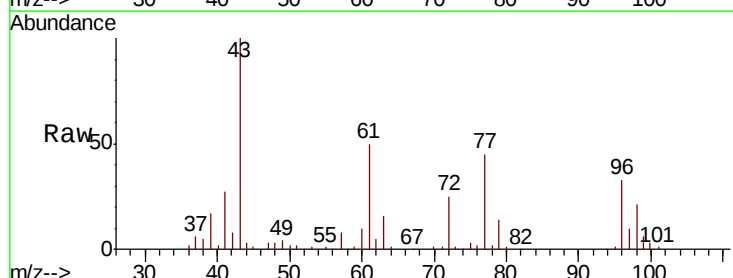


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0

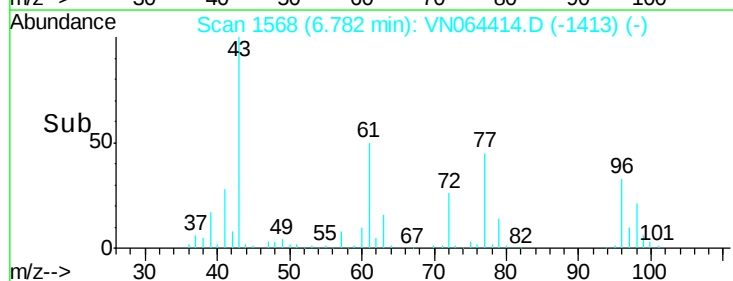
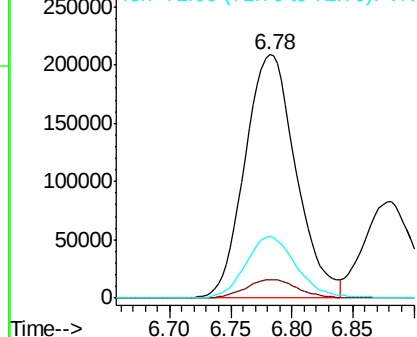


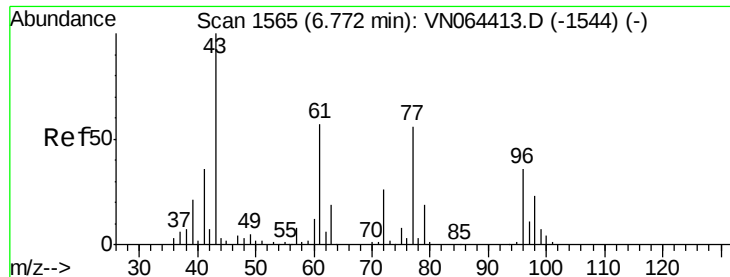
#30
 2-Butanone
 Concen: 233.589 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion: 43 Resp: 603545
 Ion Ratio Lower Upper
 43 100
 57 7.7 6.6 9.8
 72 25.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0





#31

2,2-Dichloropropane

Concen: 48.003 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

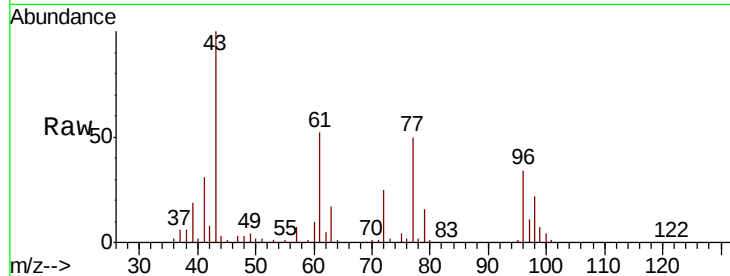
VSTDIC050

Tot Ion: 77 Resp: 315463

Ion Ratio Lower Upper

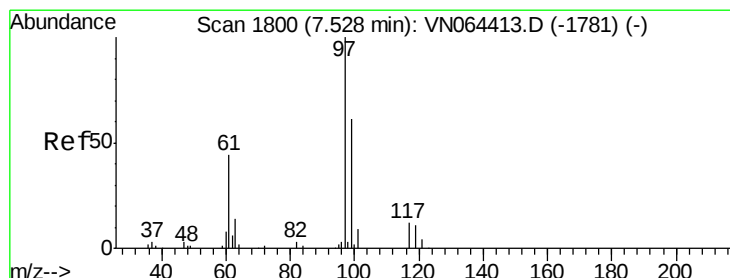
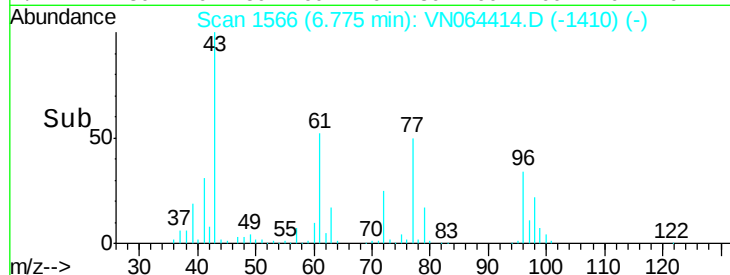
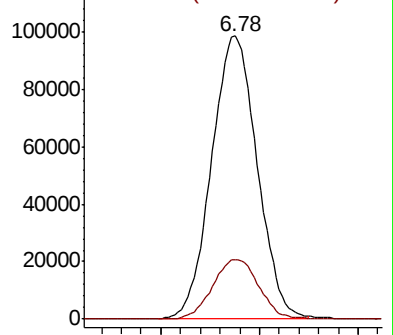
77 100

97 21.2 17.4 26.0



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.165 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

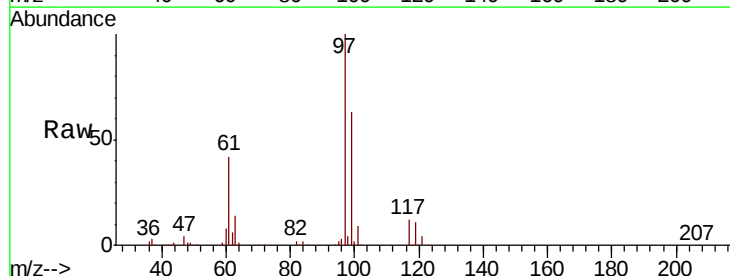
Tgt Ion: 97 Resp: 332427

Ion Ratio Lower Upper

97 100

99 63.3 49.8 74.8

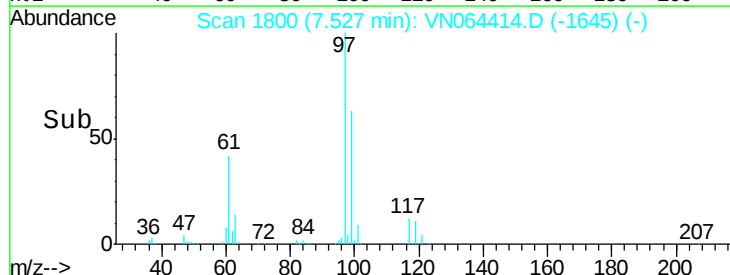
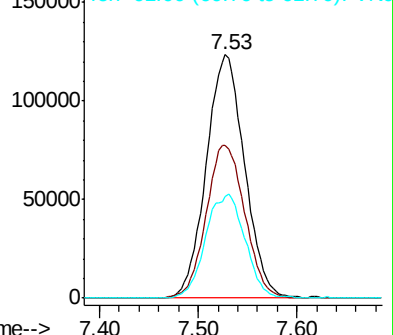
61 43.8 34.9 52.3

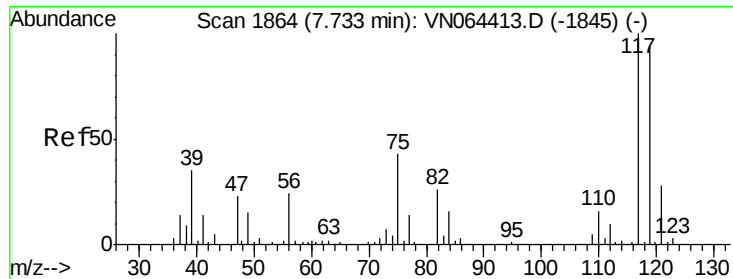


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

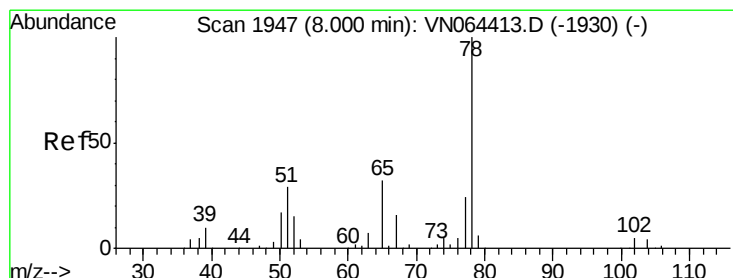
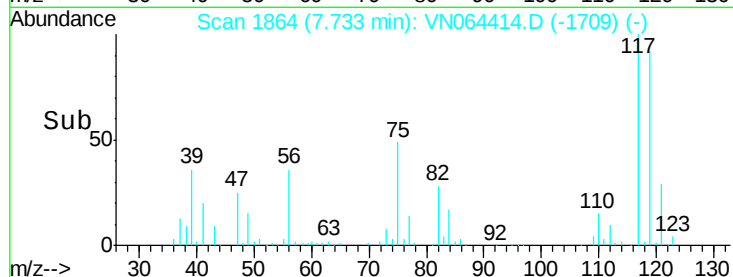
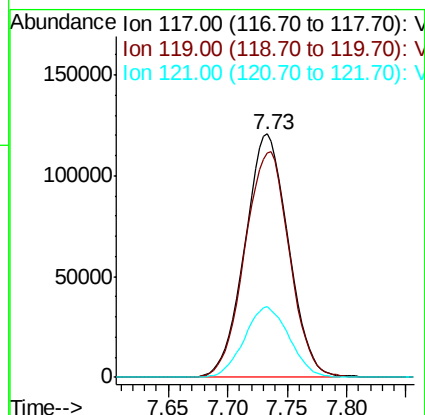
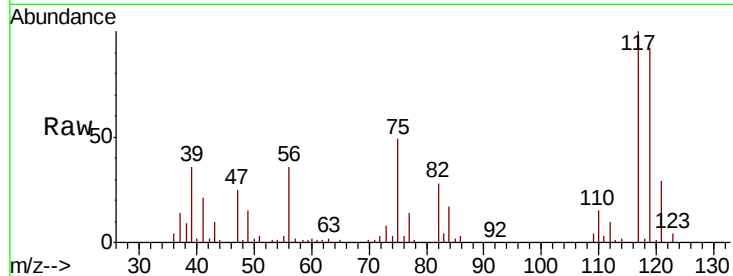




#33
Carbon Tetrachloride
Concen: 48.533 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

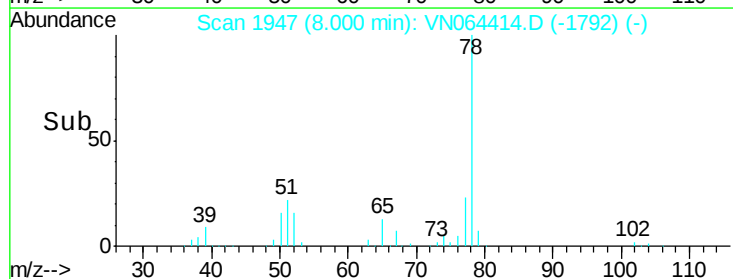
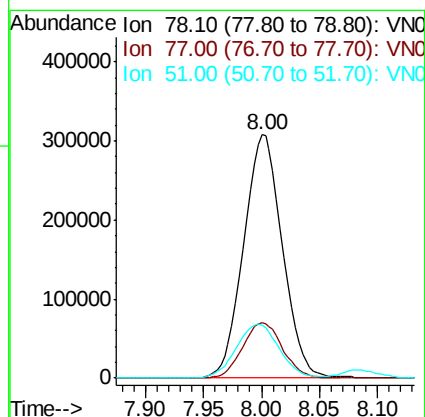
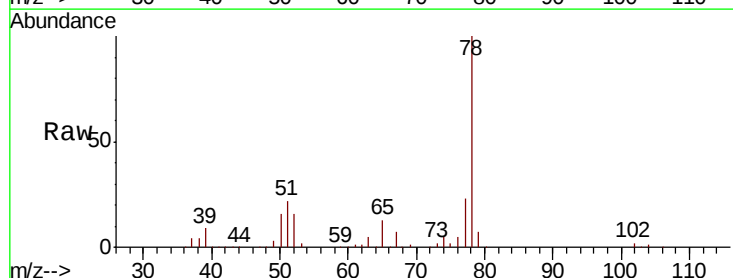
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

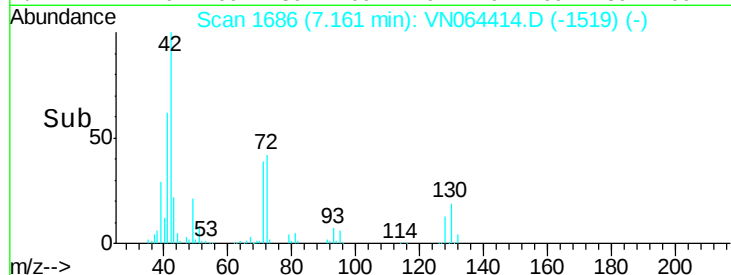
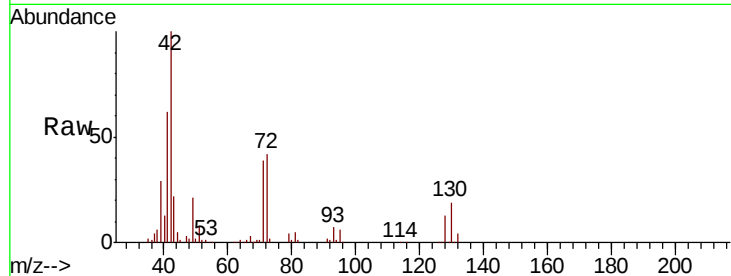
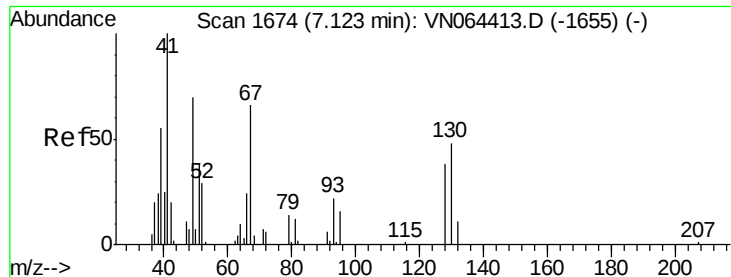
Tot Ion:117 Resp: 305825
Ion Ratio Lower Upper
117 100
119 92.1 75.0 112.4
121 28.9 22.1 33.1



#34
Benzene
Concen: 48.420 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion: 78 Resp: 716596
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.4
51 21.9 23.1 34.7#

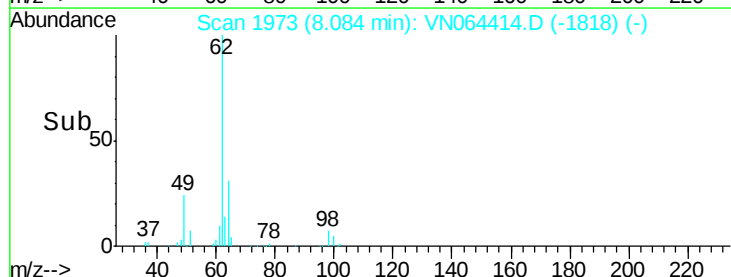
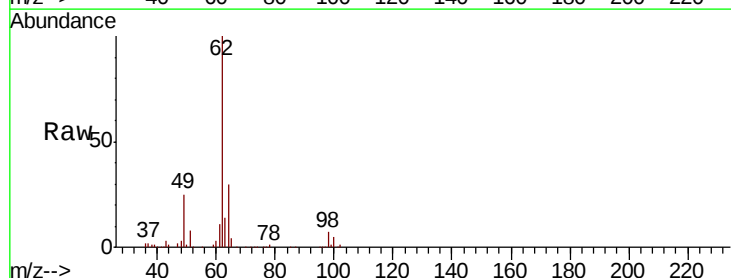
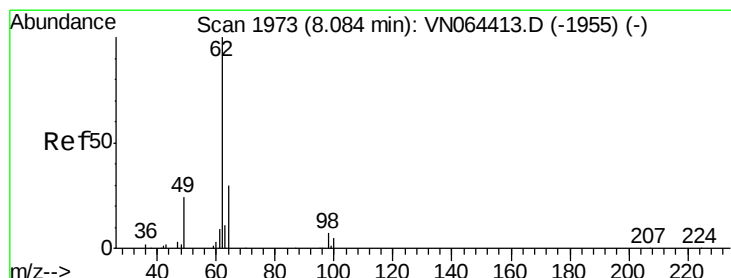
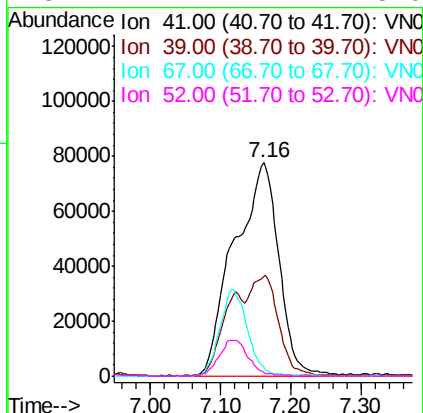




#35
Methacrylonitrile
Concen: 130.416 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

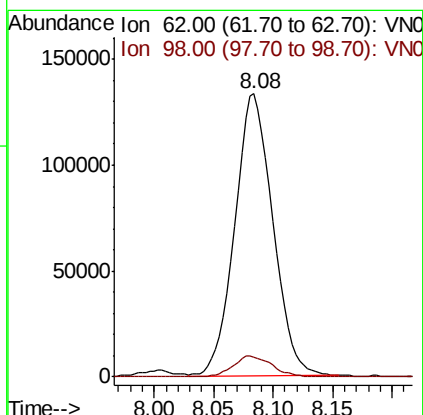
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

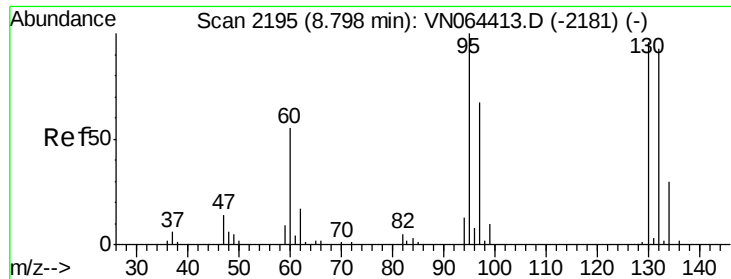
Tot Ion	Ratio	Lower	Upper
41	100		
39	46.6	27.8	83.3
67	4.1	32.9	98.6#
52	1.7	14.4	43.0#



#36
1,2-Dichloroethane
Concen: 45.563 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.2	9.2

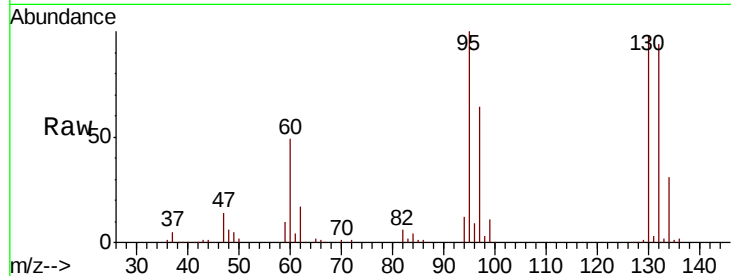




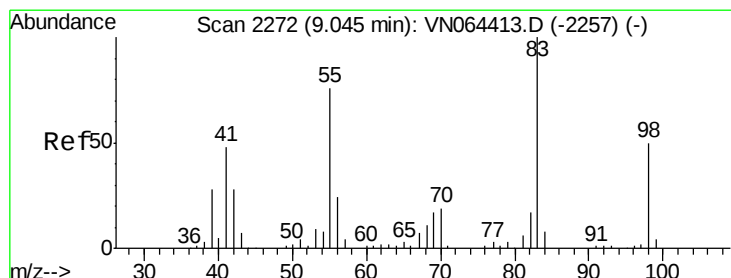
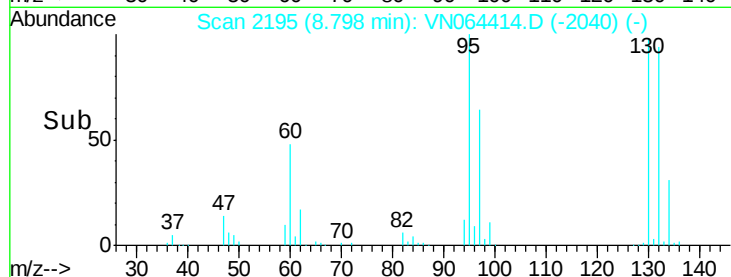
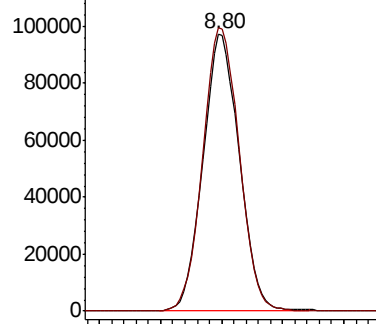
#37
 Trichloroethene
 Concen: 49.521 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion:130 Resp: 200532
 Ion Ratio Lower Upper
 130 100
 95 102.0 83.6 125.4

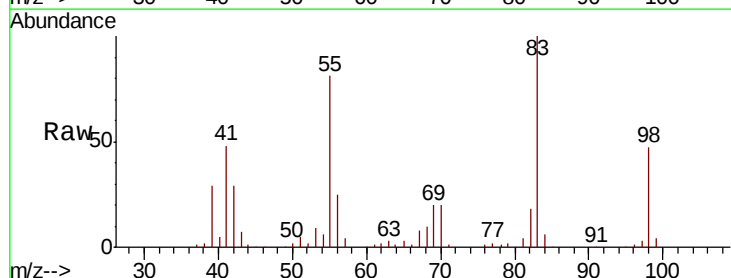


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

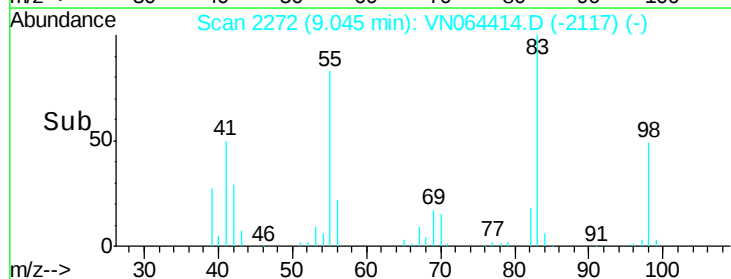
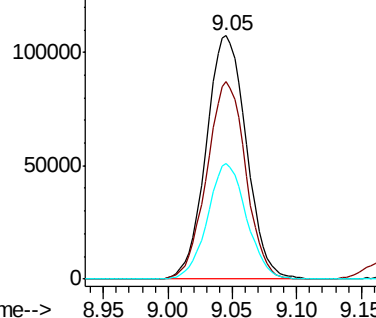


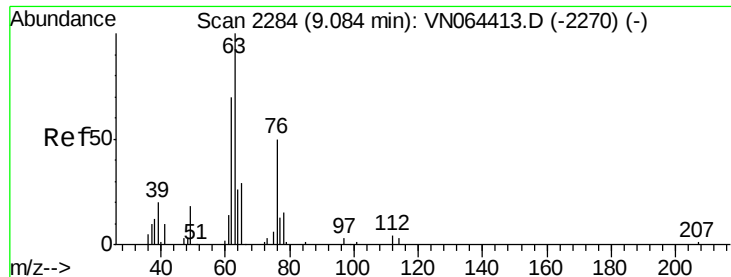
#38
 Methylcyclohexane
 Concen: 44.344 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion: 83 Resp: 232569
 Ion Ratio Lower Upper
 83 100
 55 78.6 38.3 114.9
 98 46.2 24.6 74.0



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





#39

1,2-Dichloropropane

Concen: 47.206 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

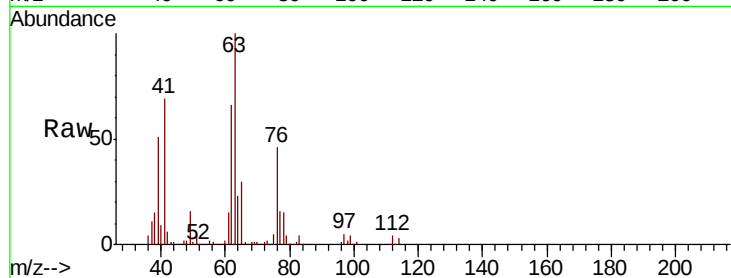
VSTDIC050

Tot Ion: 63 Resp: 185512

Ion Ratio Lower Upper

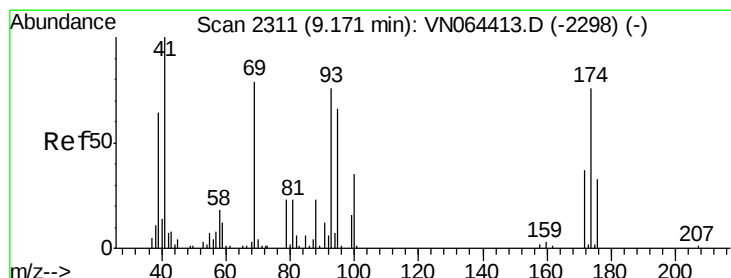
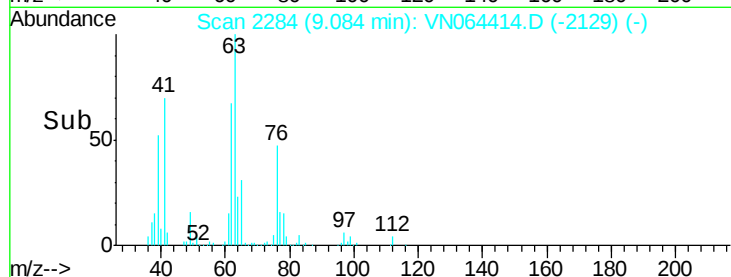
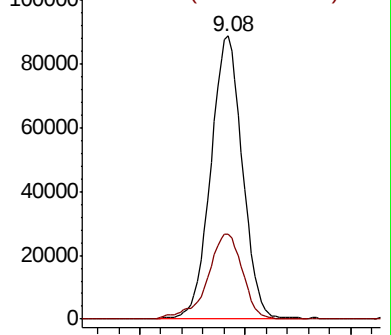
63 100

65 30.3 25.0 37.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 48.534 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

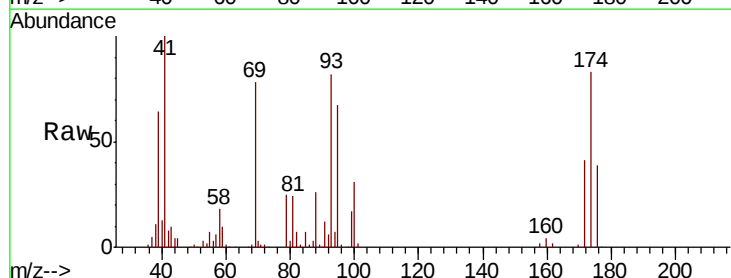
Tgt Ion: 93 Resp: 134211

Ion Ratio Lower Upper

93 100

95 82.3 0.0 170.0

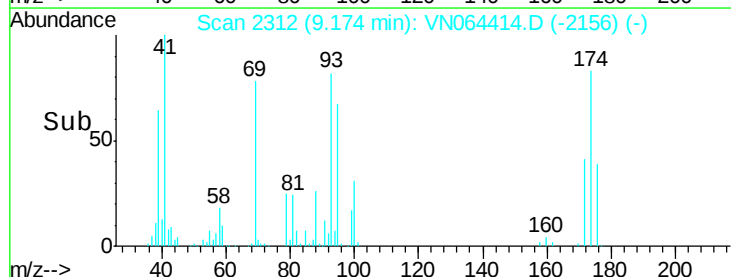
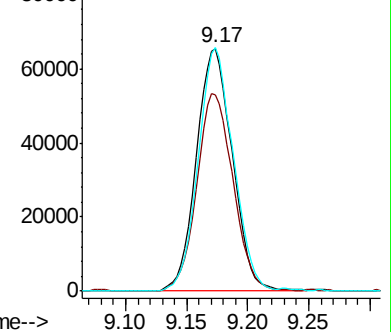
174 97.7 0.0 199.8

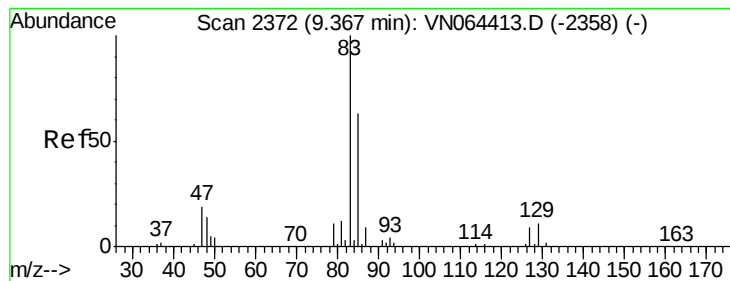


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 47.762 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

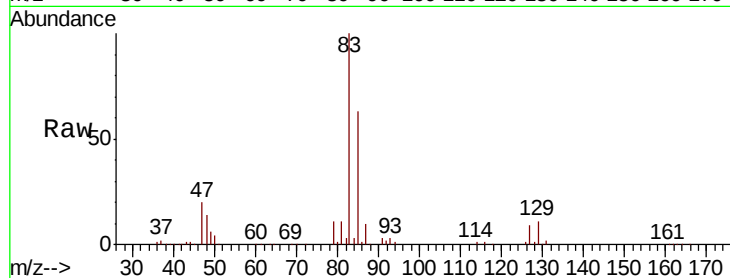
Tot Ion: 83 Resp: 284769

Ion Ratio Lower Upper

83 100

85 63.2 50.5 75.7

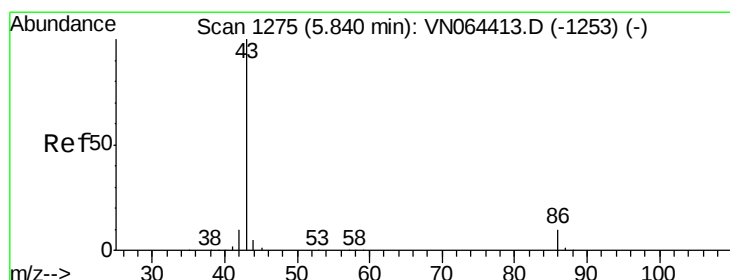
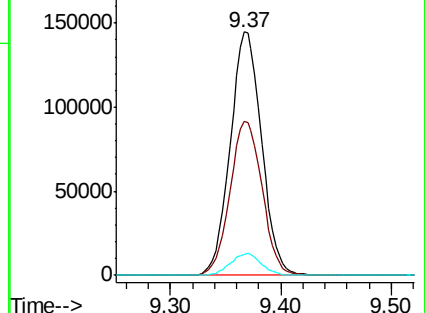
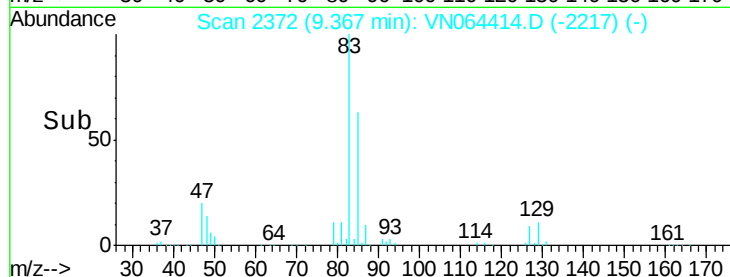
127 8.7 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VN064414.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN064414.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064414.D (-2217) (-)



#42

Vinyl Acetate

Concen: 231.377 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064414.D

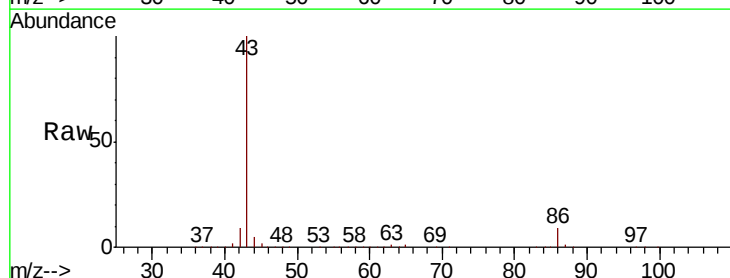
Acq: 2 Nov 2020 14:37

Tgt Ion: 43 Resp: 2515101

Ion Ratio Lower Upper

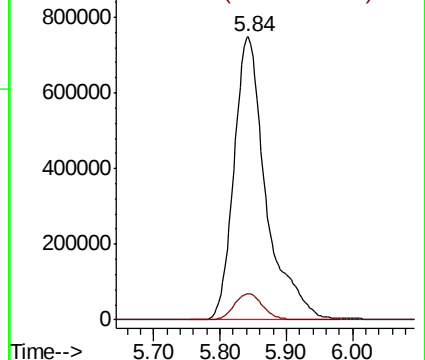
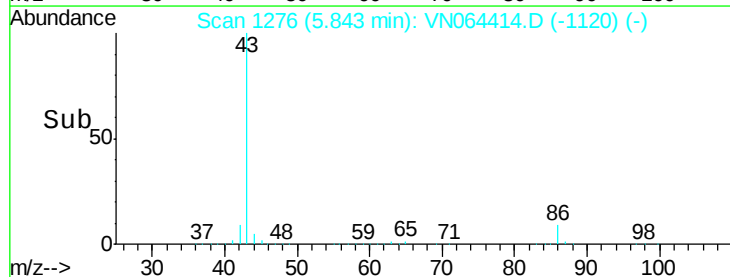
43 100

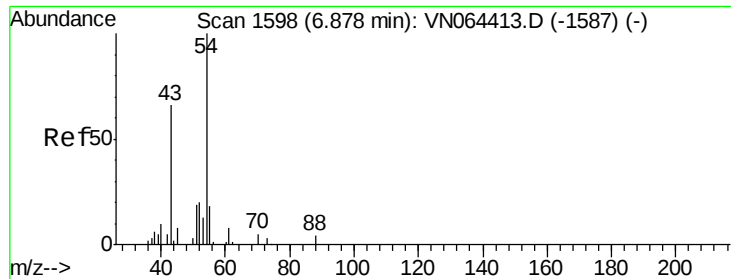
86 8.3 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN064414.D (-1120) (-)

Ion 86.00 (85.70 to 86.70): VN064414.D (-1120) (-)





#43

Ethyl Acetate

Concen: 46.133 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

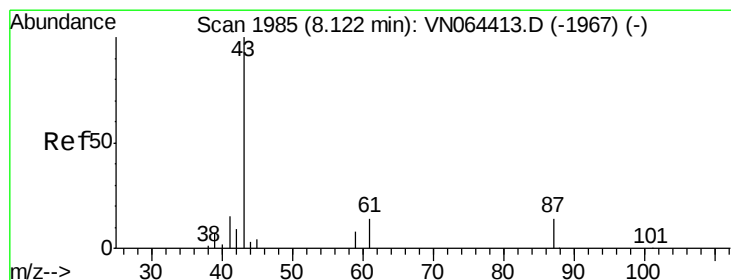
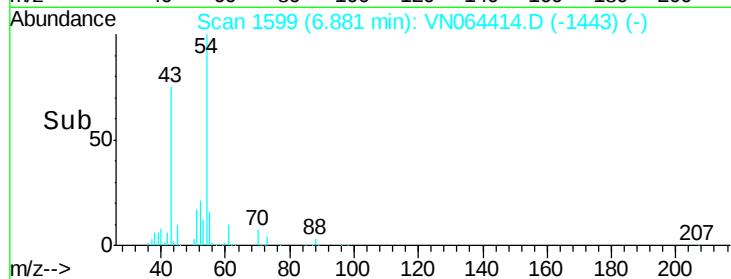
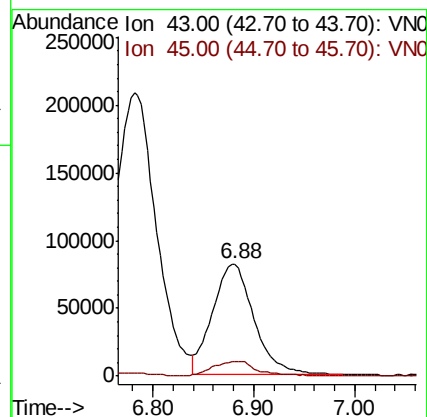
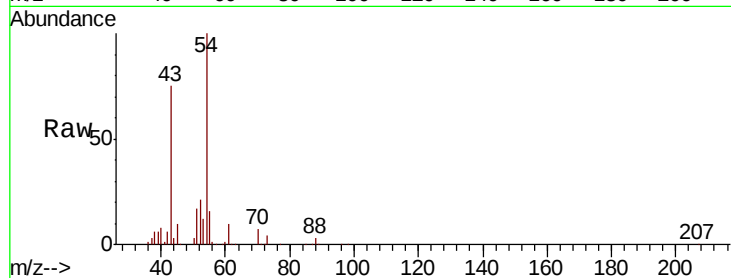
VSTDIC050

Tot Ion: 43 Resp: 233410

Ion Ratio Lower Upper

43 100

45 13.7 5.2 7.8#



#44

Isopropyl Acetate

Concen: 43.303 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064414.D

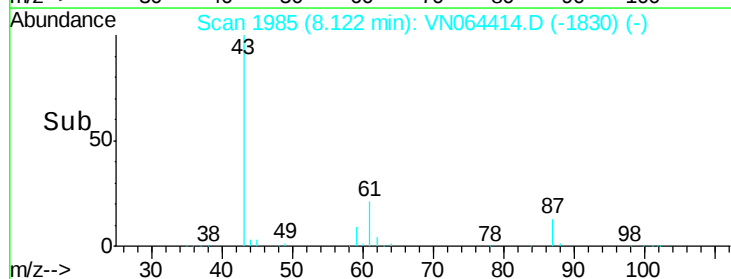
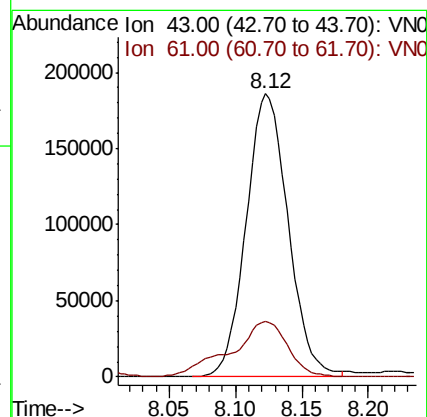
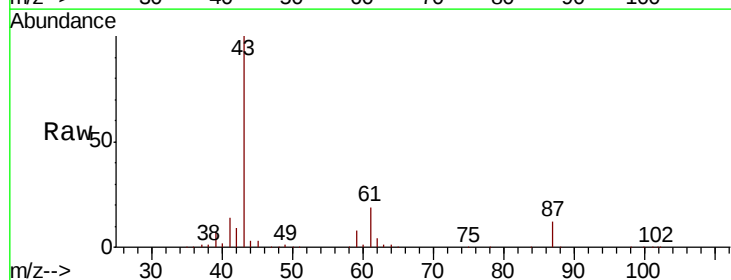
Acq: 2 Nov 2020 14:37

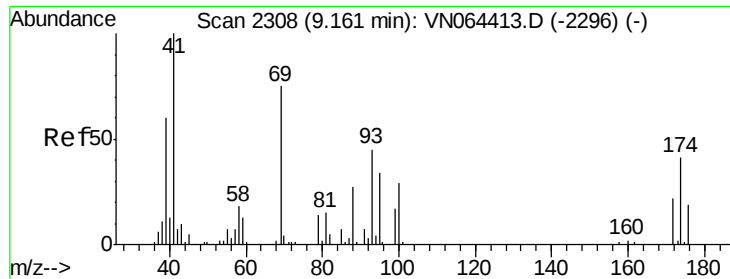
Tgt Ion: 43 Resp: 408448

Ion Ratio Lower Upper

43 100

61 19.0 0.2 0.4#

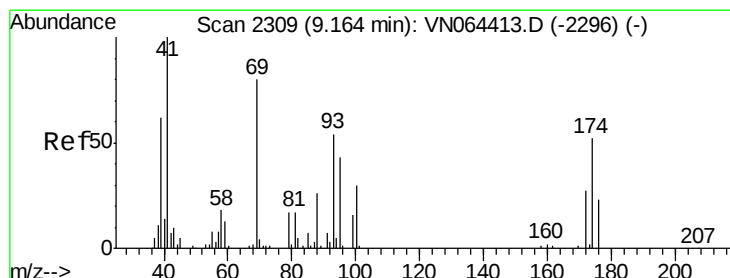
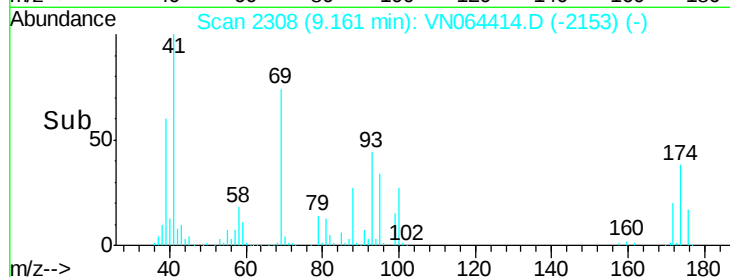
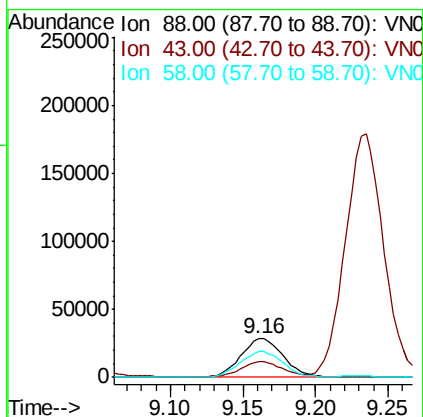
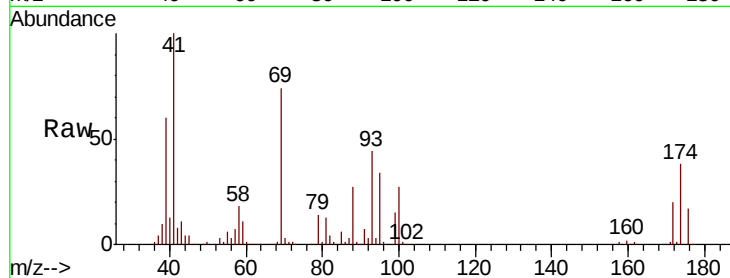




#45
 1,4-Dioxane
 Concen: 811.538 ug/l
 RT: 9.16 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

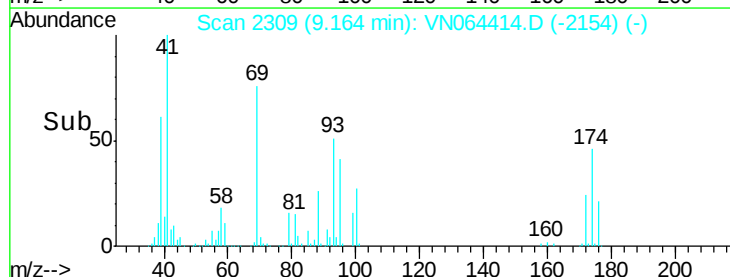
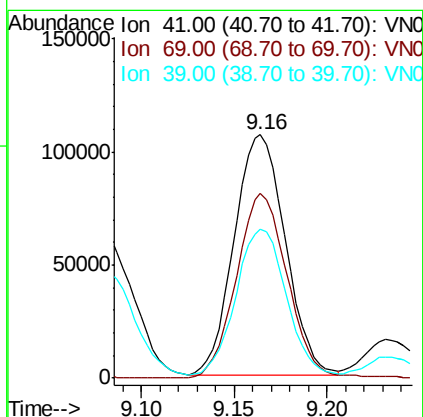
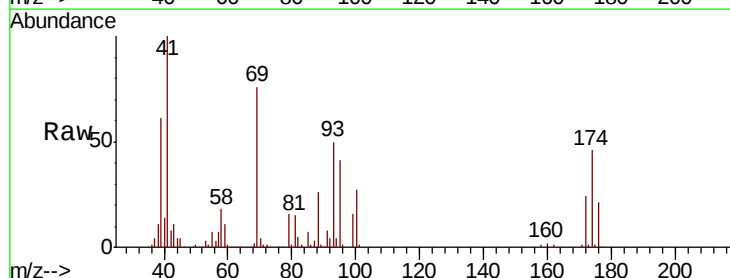
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

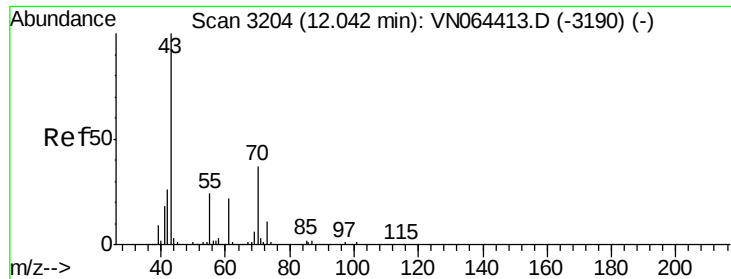
Tot Ion: 88 Resp: 58071
 Ion Ratio Lower Upper
 88 100
 43 37.5 32.0 48.0
 58 67.6 59.1 88.7



#46
 Methyl methacrylate
 Concen: 44.281 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion: 41 Resp: 203462
 Ion Ratio Lower Upper
 41 100
 69 76.7 39.8 119.4
 39 60.7 30.5 91.5

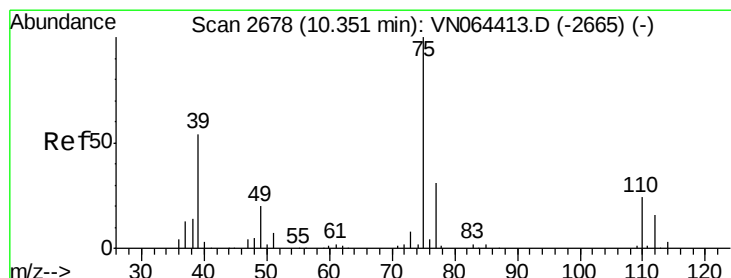
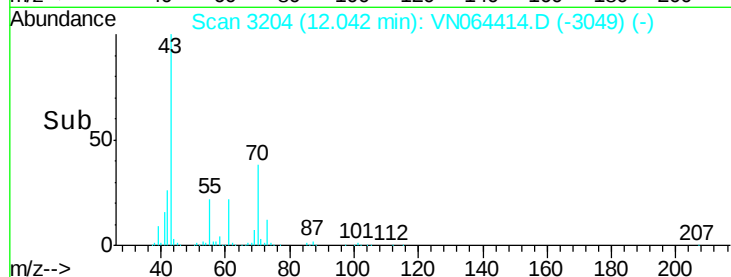
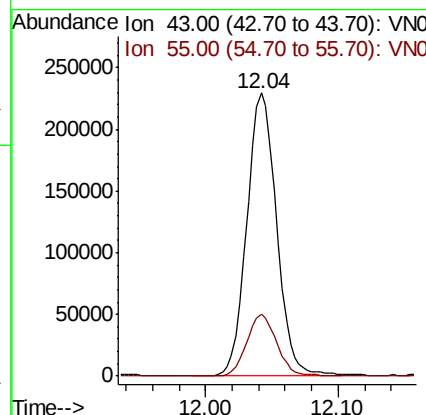
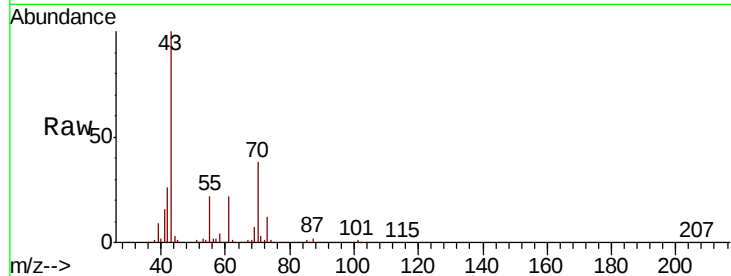




#47
n-amvl Acetate
Concen: 45.039 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

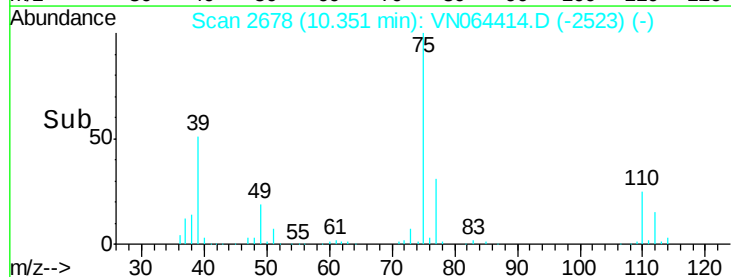
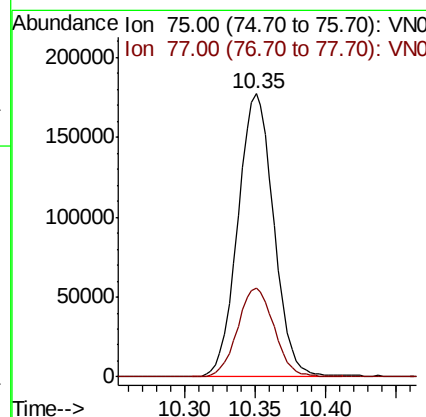
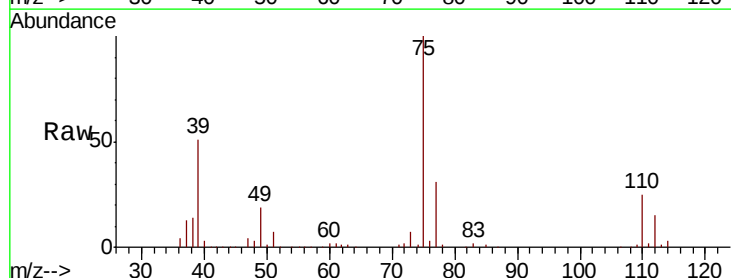
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

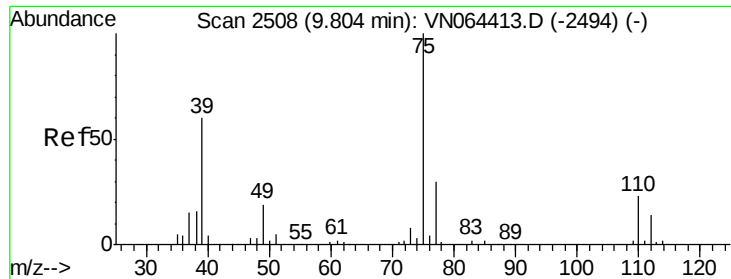
Tot Ion: 43 Resp: 357662
Ion Ratio Lower Upper
43 100
55 22.1 18.1 27.1



#48
t-1,3-Dichloropropene
Concen: 47.841 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion: 75 Resp: 316645
Ion Ratio Lower Upper
75 100
77 31.0 24.9 37.3





#49

cis-1,3-Dichloropropene

Concen: 47.513 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

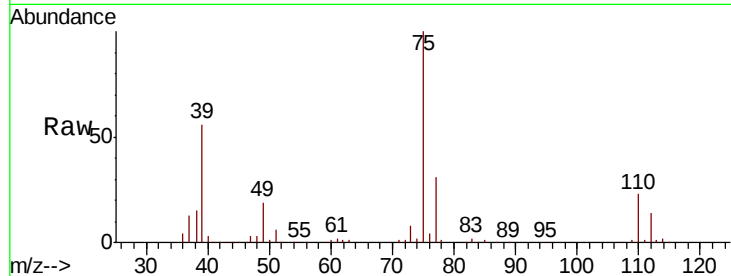
Tot Ion: 75 Resp: 324395

Ion Ratio Lower Upper

75 100

77 31.4 24.3 36.5

39 56.2 48.0 72.0

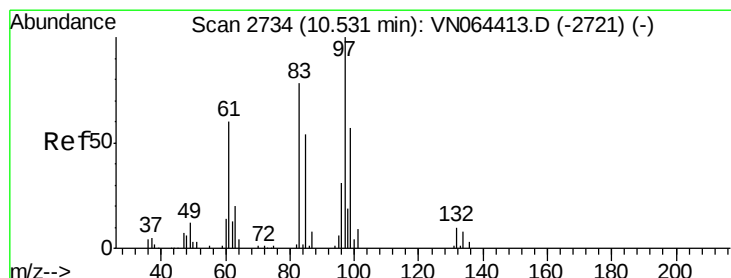
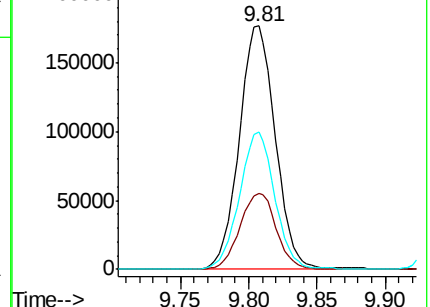
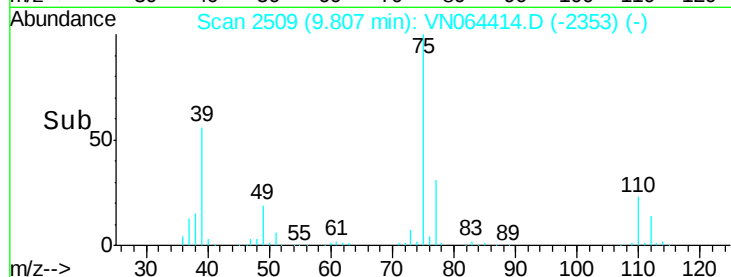


Abundance Ion 75.00 (74.70 to 75.70): VN064413.D (-2494) (-)

Ion 77.00 (76.70 to 77.70): VN064413.D (-2494) (-)

Ion 39.00 (38.70 to 39.70): VN064413.D (-2494) (-)

Time-->



#50

1,1,2-Trichloroethane

Concen: 48.966 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Tgt Ion: 97 Resp: 181031

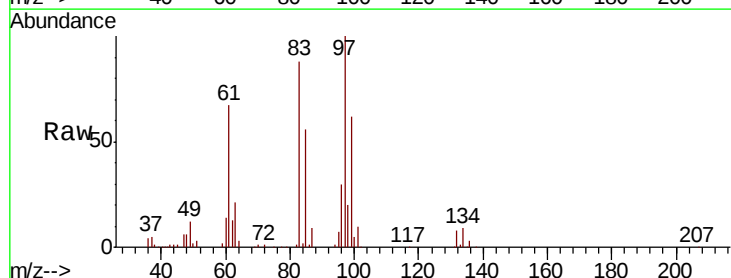
Ion Ratio Lower Upper

97 100

83 87.9 62.4 93.6

85 55.7 42.9 64.3

99 62.2 45.7 68.5



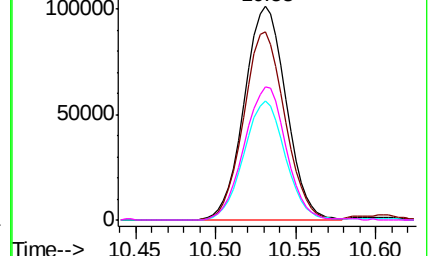
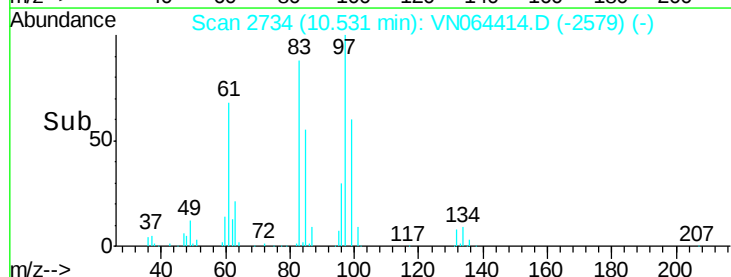
Abundance Ion 97.00 (96.70 to 97.70): VN064413.D (-2721) (-)

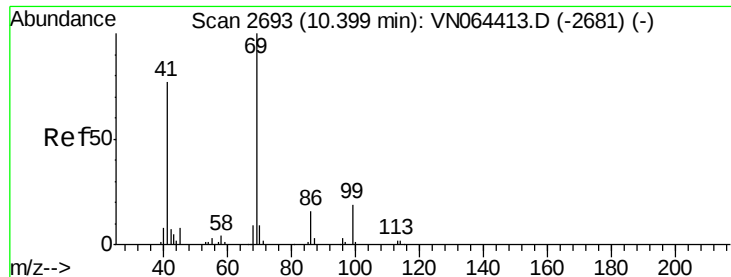
Ion 82.95 (82.65 to 83.65): VN064413.D (-2721) (-)

Ion 84.95 (84.65 to 85.65): VN064413.D (-2721) (-)

Ion 98.95 (98.65 to 99.65): VN064413.D (-2721) (-)

Time-->





#51

Ethyl methacrylate

Concen: 47.985 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

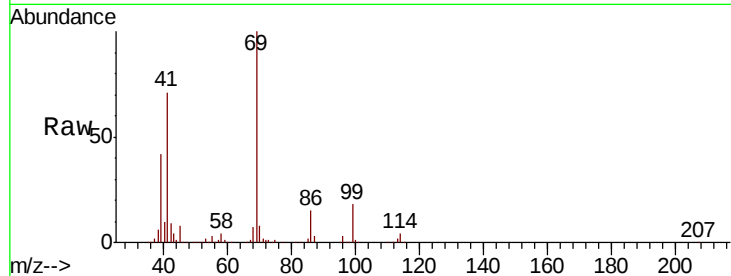
Tot Ion: 69 Resp: 272222

Ion Ratio Lower Upper

69 100

41 70.6 38.4 115.2

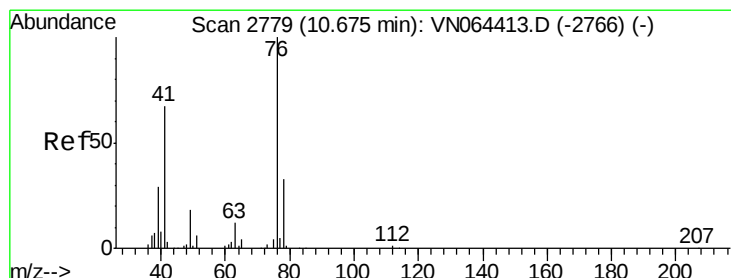
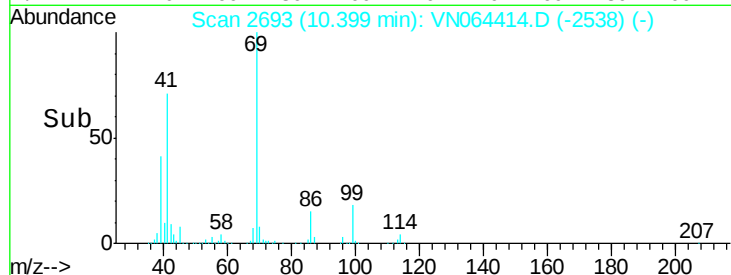
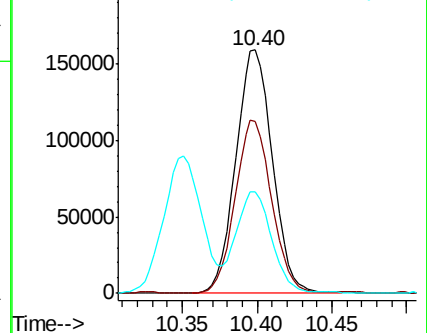
39 41.3 22.7 68.0



Abundance Ion 69.00 (68.70 to 69.70): VN064413.D (-2681) (-)

Ion 41.00 (40.70 to 41.70): VN064413.D (-2681) (-)

Ion 39.00 (38.70 to 39.70): VN064413.D (-2681) (-)



#52

1,3-Dichloropropane

Concen: 48.112 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064414.D

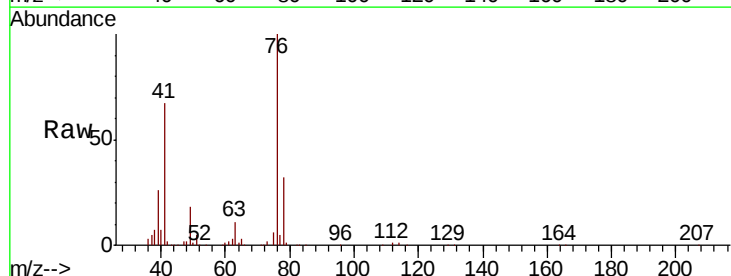
Acq: 2 Nov 2020 14:37

Tgt Ion: 76 Resp: 311297

Ion Ratio Lower Upper

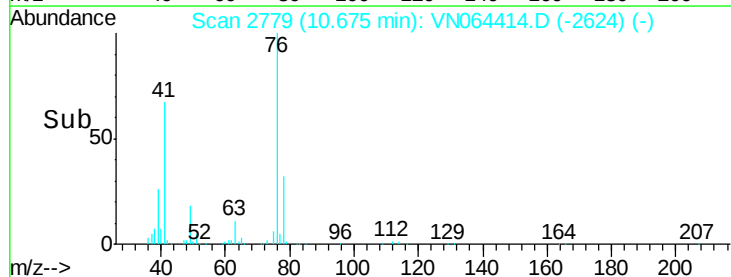
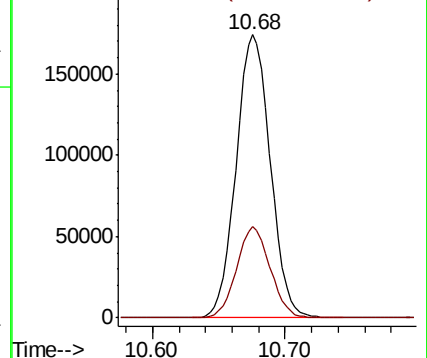
76 100

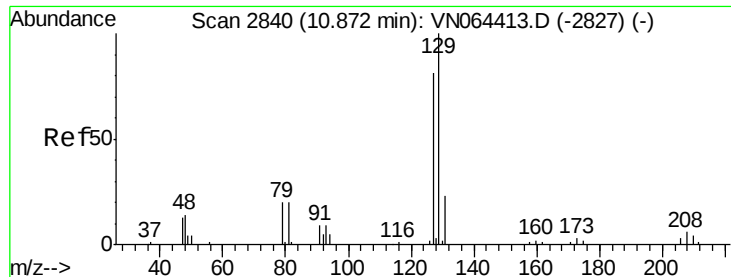
78 31.5 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VN064413.D (-2766) (-)

Ion 78.00 (77.70 to 78.70): VN064413.D (-2766) (-)





#53

Dibromochloromethane

Concen: 49.163 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

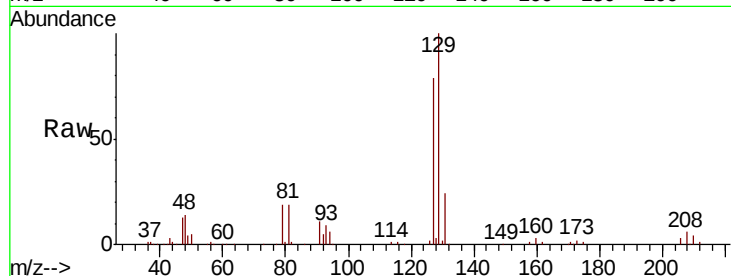
VSTDIC050

Tot Ion:129 Resp: 221637

Ion Ratio Lower Upper

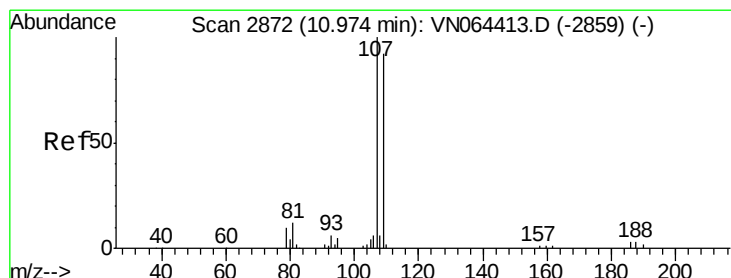
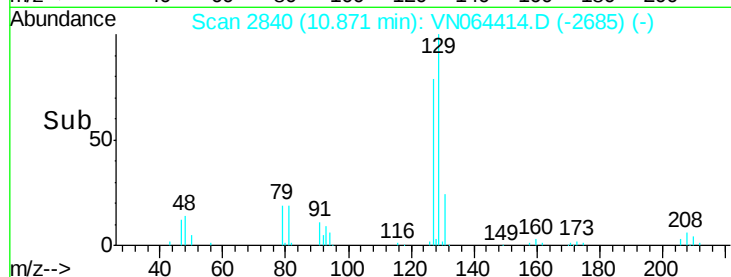
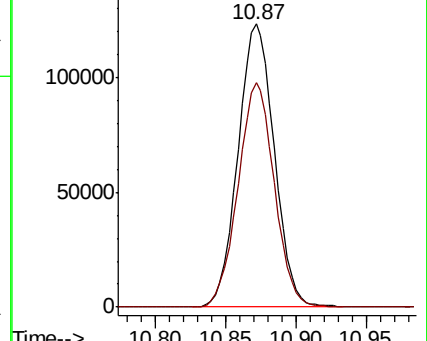
129 100

127 79.3 38.6 115.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 49.223 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064414.D

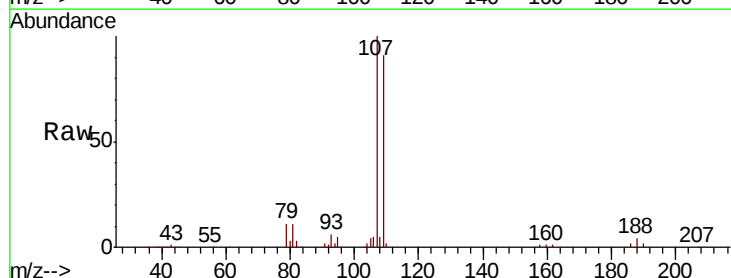
Acq: 2 Nov 2020 14:37

Tgt Ion:107 Resp: 194234

Ion Ratio Lower Upper

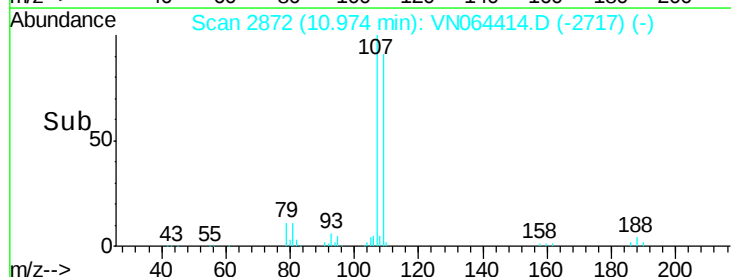
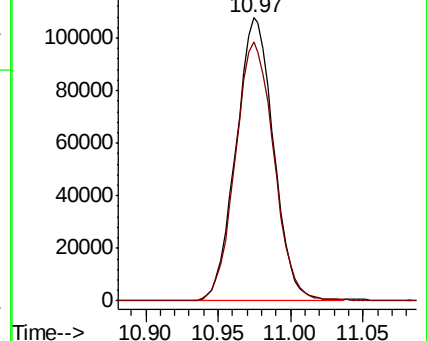
107 100

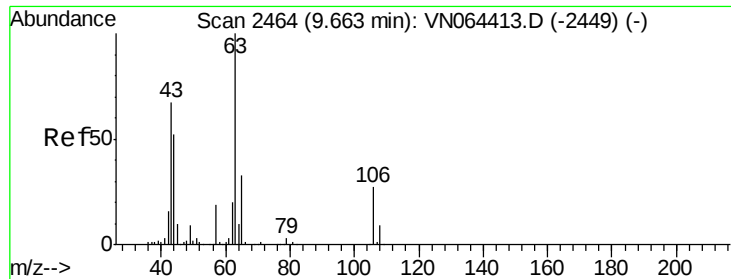
109 93.9 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 237.558 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

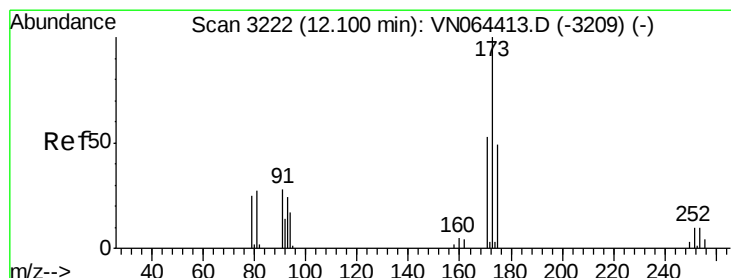
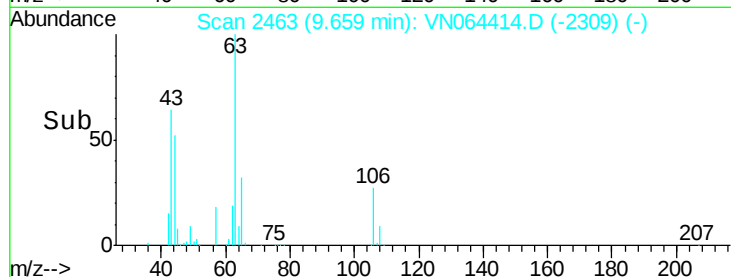
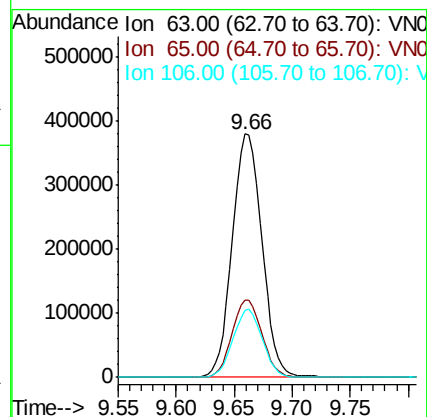
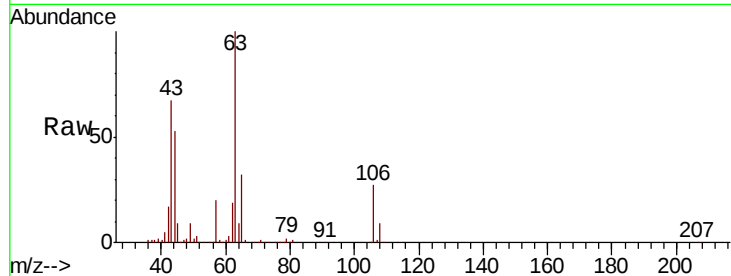
Tot Ion: 63 Resp: 674352

Ion Ratio Lower Upper

63 100

65 32.0 26.2 39.4

106 27.6 21.8 32.6



#56

Bromoform

Concen: 49.890 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

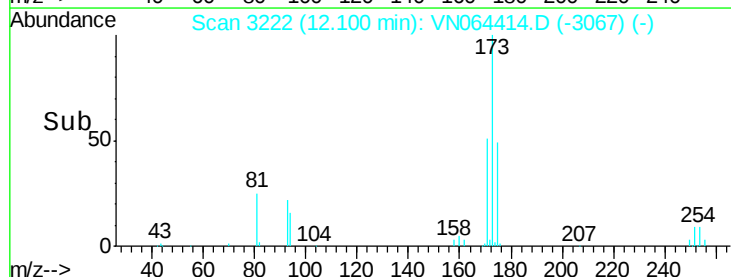
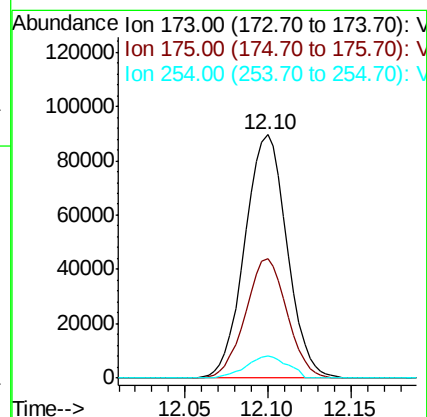
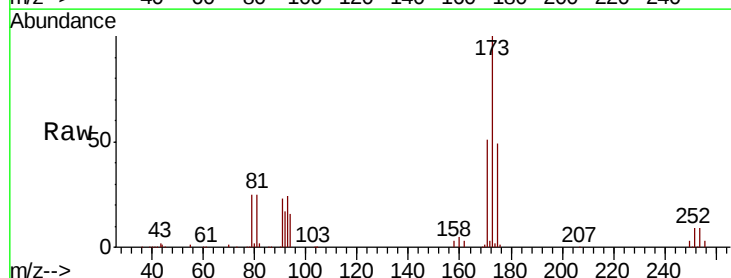
Tgt Ion: 173 Resp: 159182

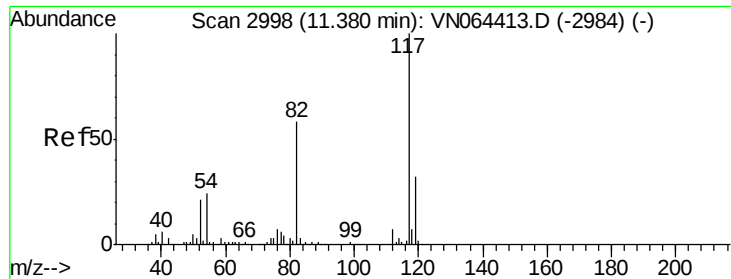
Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.4

254 8.8 7.0 10.6

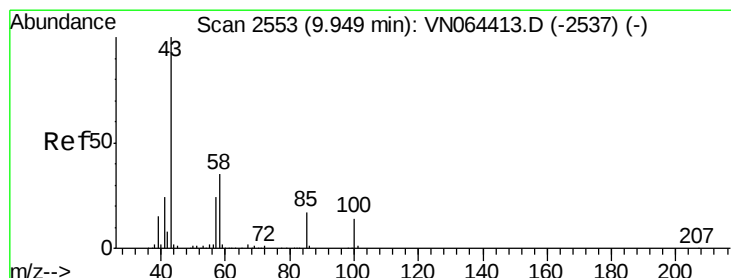
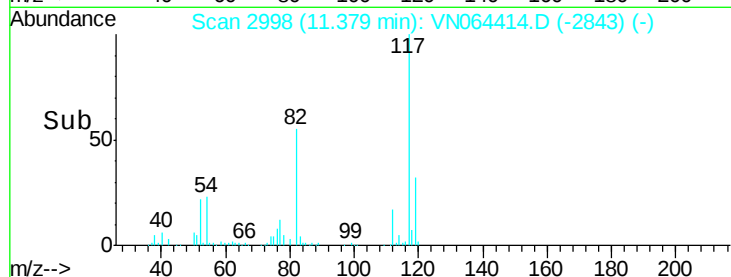
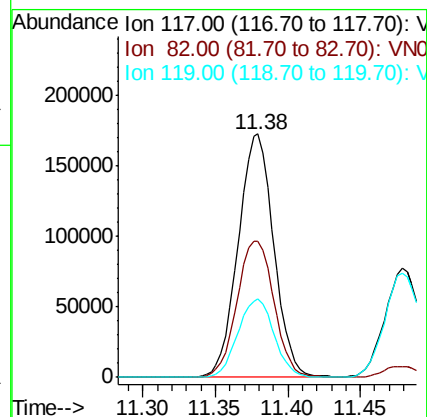
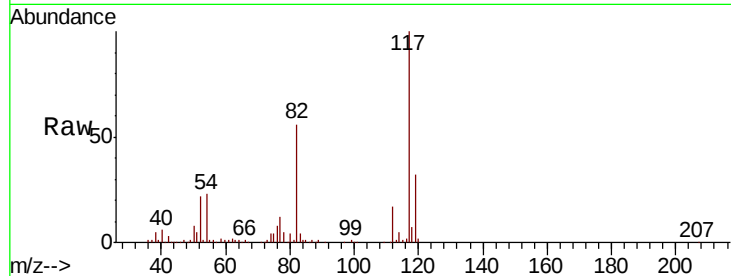




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

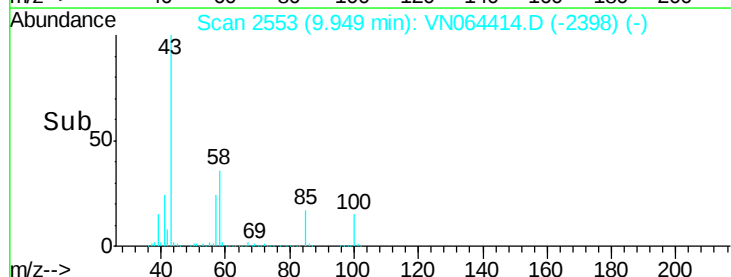
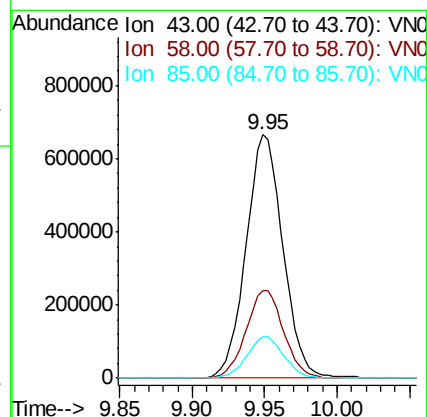
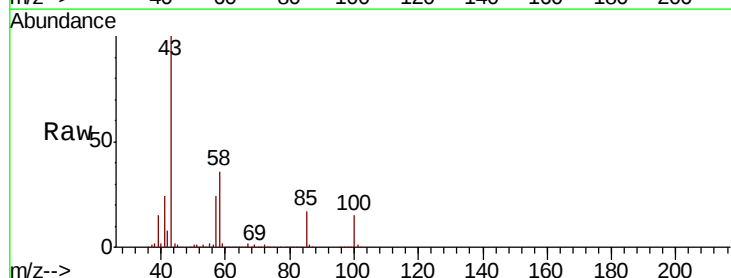
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

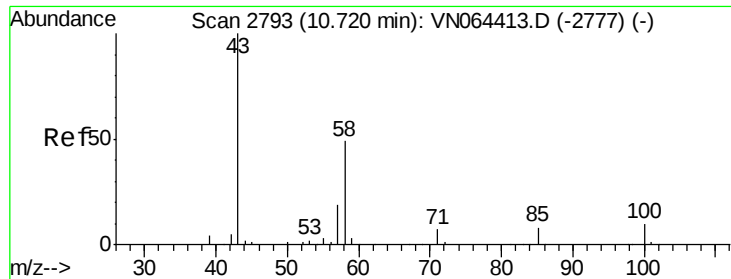
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.1	69.1
119	32.5	26.2	39.2



#58
4-Methyl-2-Pentanone
Concen: 222.509 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	28.6	43.0
85	17.2	13.5	20.3

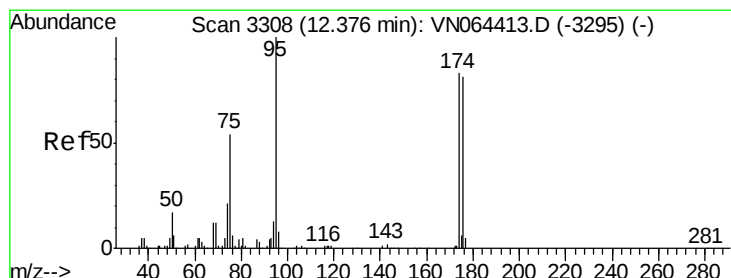
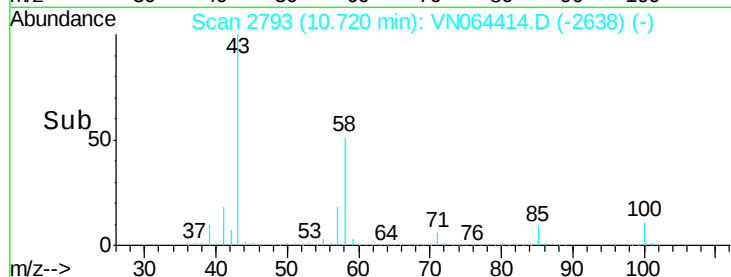
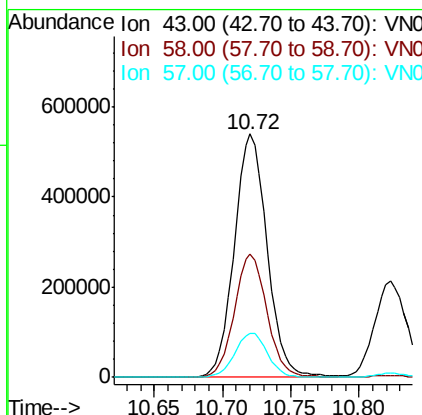
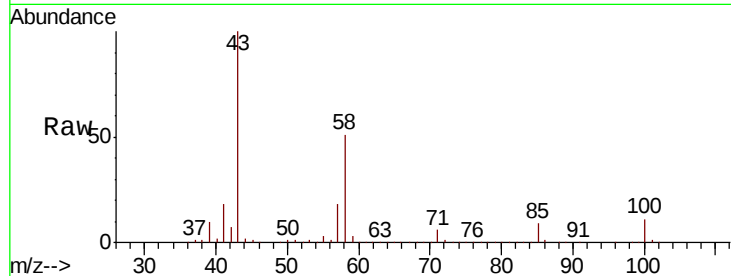




#59
2-Hexanone
Concen: 226.241 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

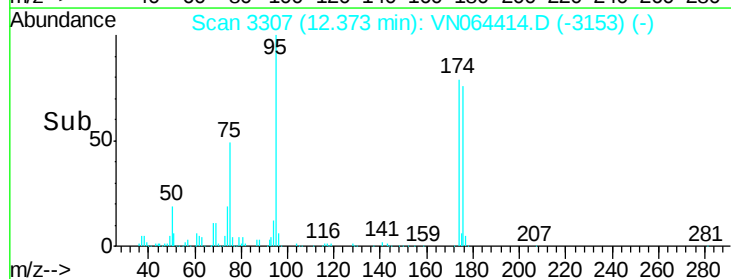
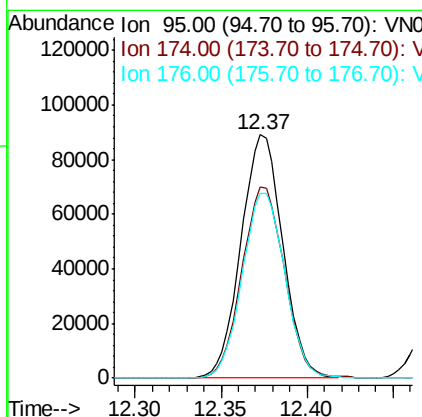
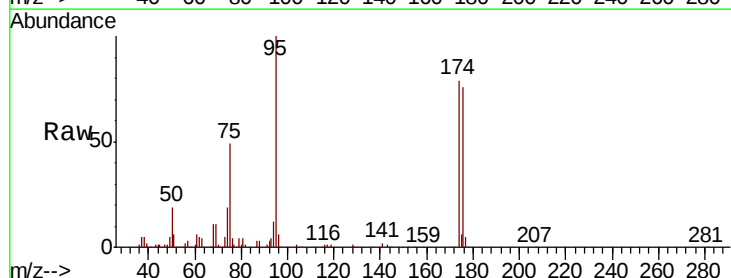
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

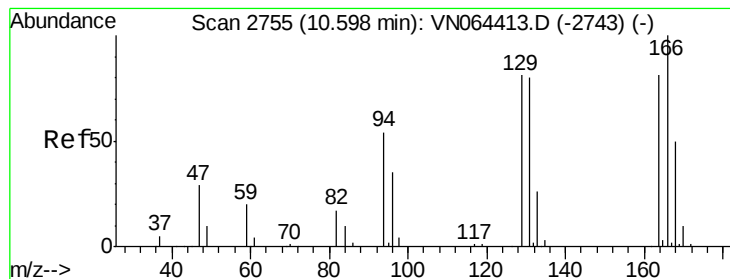
Tot Ion: 43 Resp: 898286
Ion Ratio Lower Upper
43 100
58 50.4 39.4 59.0
57 18.4 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 29.106 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion: 95 Resp: 150301
Ion Ratio Lower Upper
95 100
174 79.8 65.2 97.8
176 77.6 62.2 93.4





#61

Tetrachloroethene

Concen: 49.739 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 195957

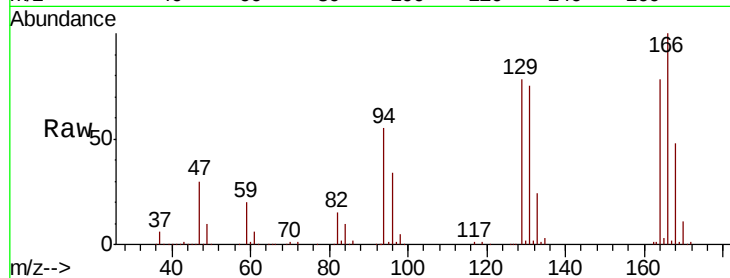
Ion Ratio Lower Upper

164 100

166 128.3 98.7 148.1

129 100.0 80.2 120.4

131 96.7 78.7 118.1

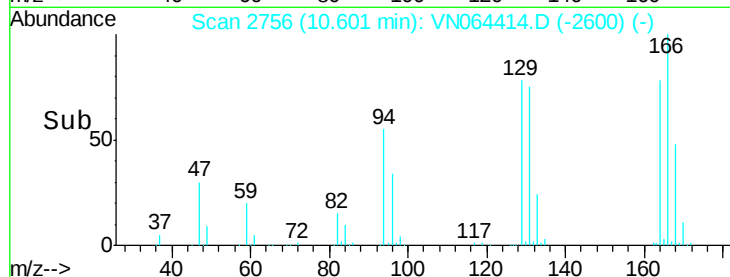


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

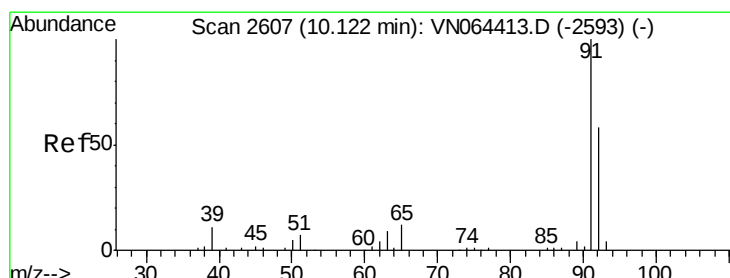
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



Time-->

10.60



#62

Toluene

Concen: 49.142 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064414.D

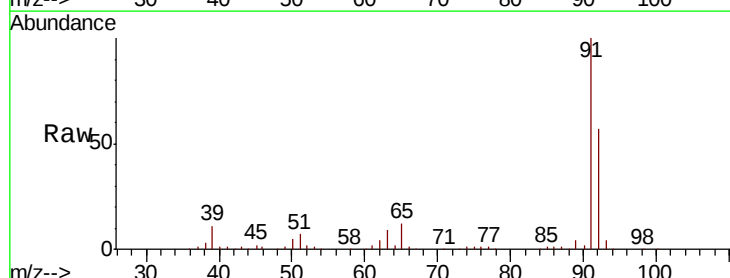
Acq: 2 Nov 2020 14:37

Tgt Ion: 91 Resp: 798837

Ion Ratio Lower Upper

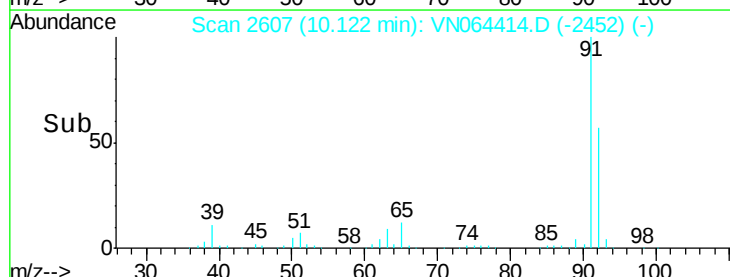
91 100

92 57.2 46.2 69.4



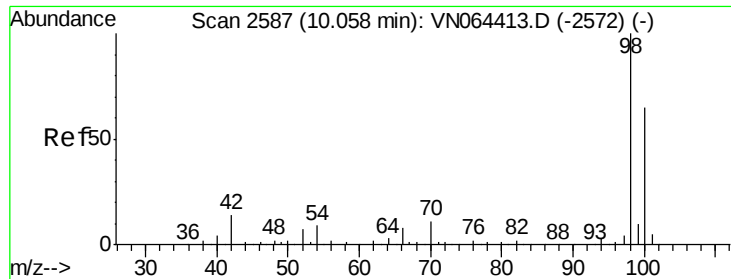
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V



Time-->

10.12



#63

Toluene-d8

Concen: 30.142 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

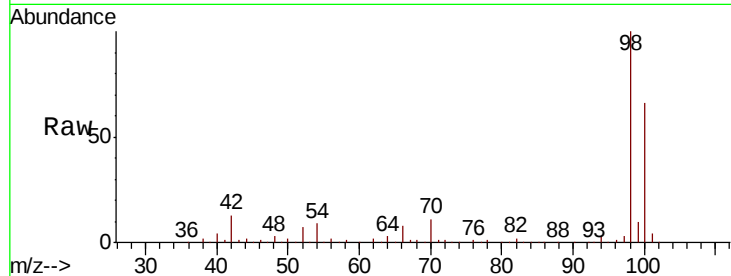
VSTDIC050

Tot Ion: 98 Resp: 394384

Ion Ratio Lower Upper

98 100

100 65.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN064414.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064414.D (-2572) (-)

10.06

200000

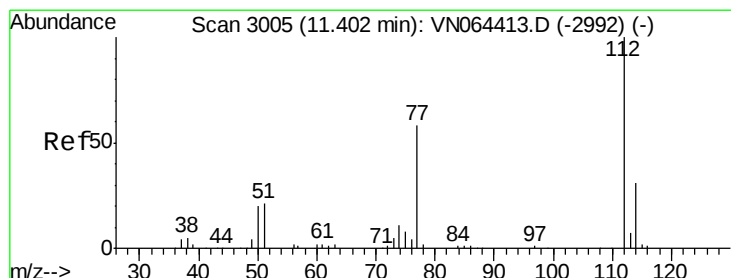
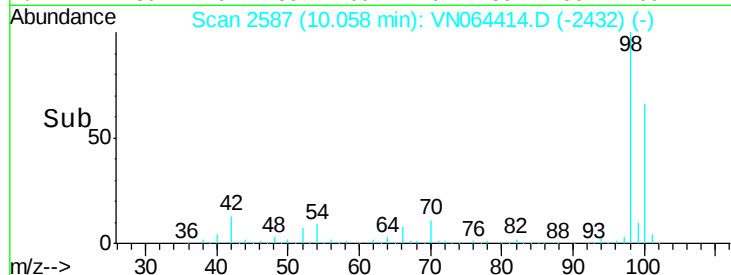
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 50.111 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN064414.D

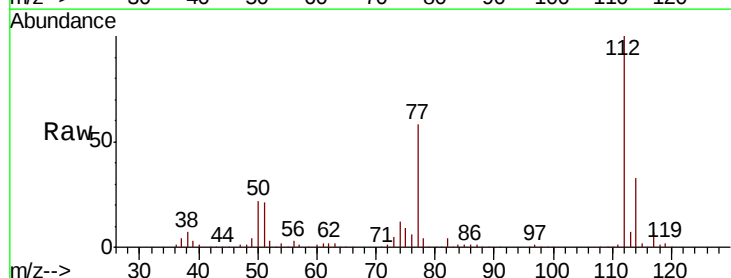
Acq: 2 Nov 2020 14:37

Tgt Ion: 112 Resp: 508614

Ion Ratio Lower Upper

112 100

114 33.1 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): VN064414.D (-2992) (-)

Ion 114.00 (113.70 to 114.70): VN064414.D (-2992) (-)

11.40

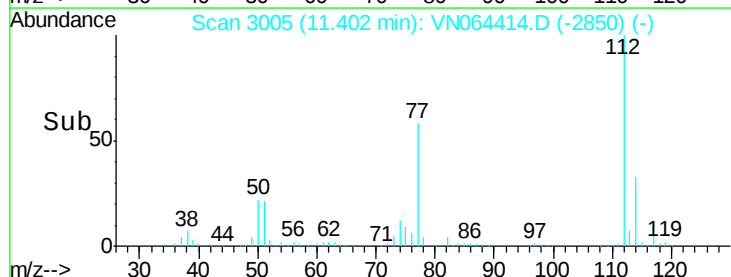
300000

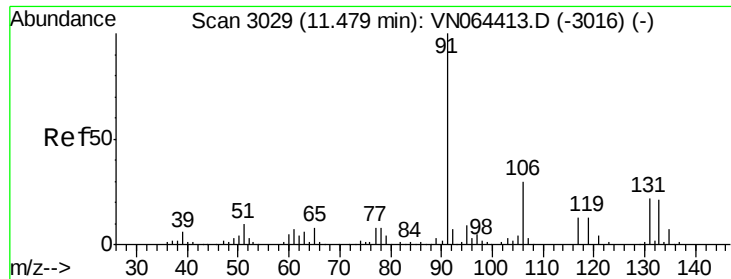
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 49.978 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

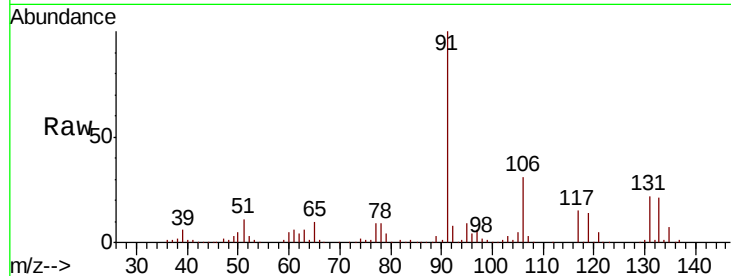
Tot Ion:131 Resp: 200122

Ion Ratio Lower Upper

131 100

133 97.6 0.0 191.2

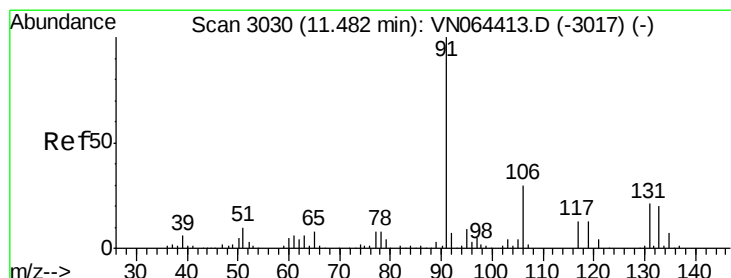
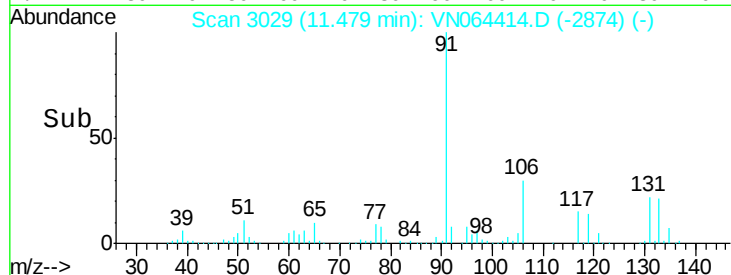
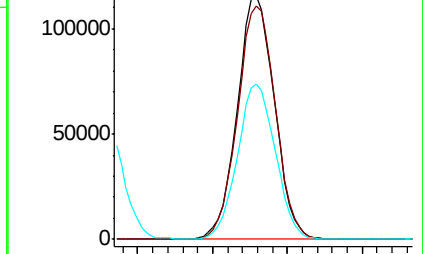
119 65.0 0.0 125.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 49.037 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064414.D

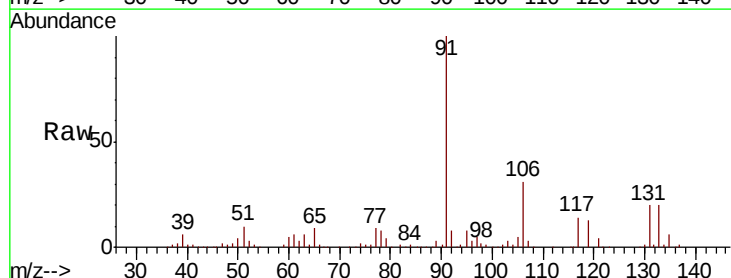
Acq: 2 Nov 2020 14:37

Tgt Ion: 91 Resp: 901853

Ion Ratio Lower Upper

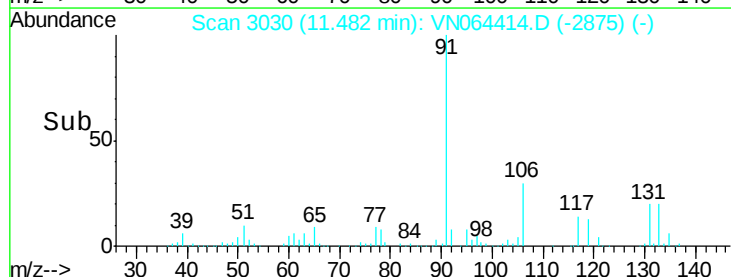
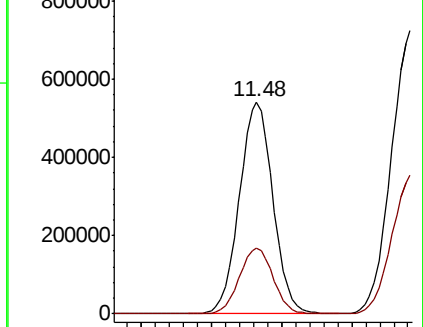
91 100

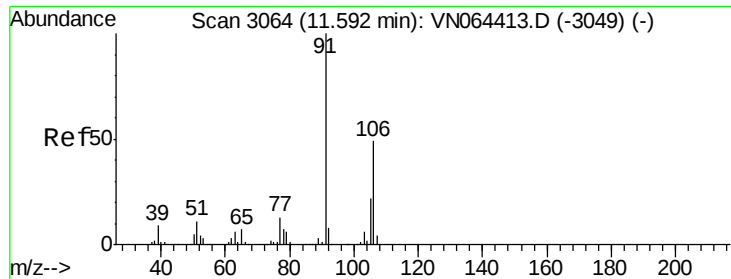
106 31.1 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 101.181 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

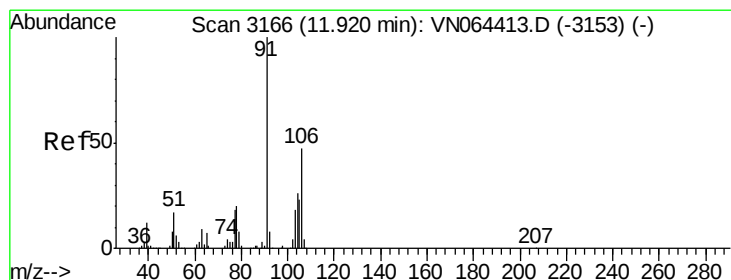
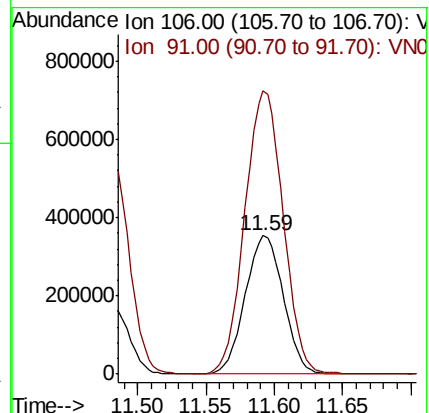
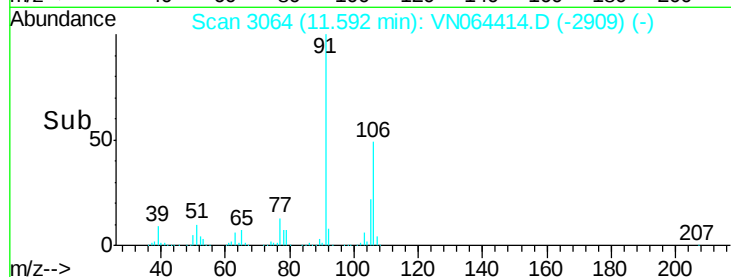
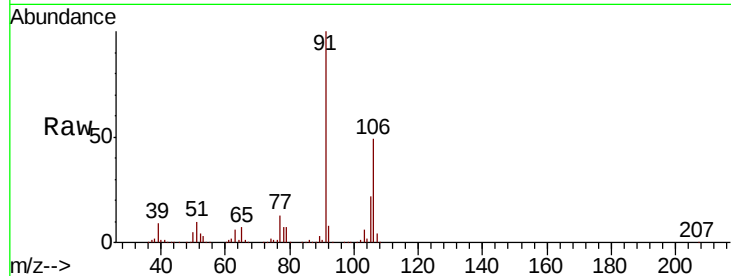
VSTDIC050

Tot Ion:106 Resp: 689220

Ion Ratio Lower Upper

106 100

91 205.6 166.8 250.2



#68

o-Xylene

Concen: 48.735 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064414.D

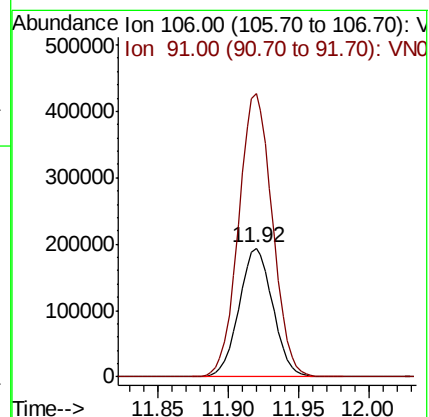
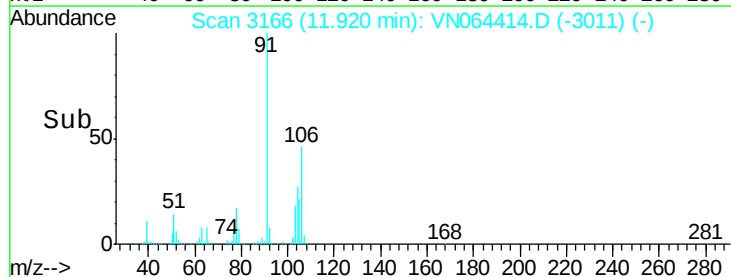
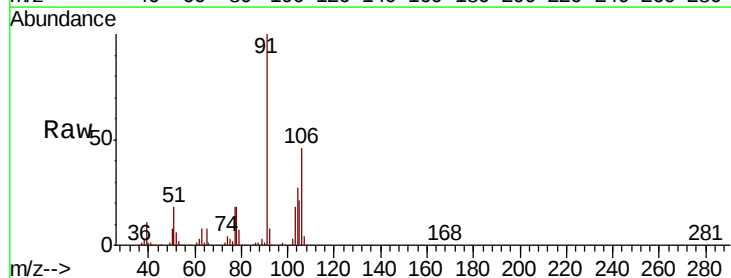
Acq: 2 Nov 2020 14:37

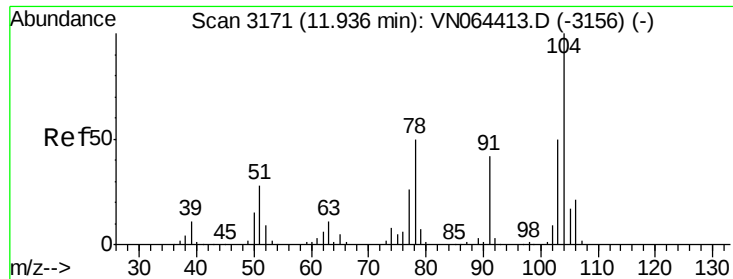
Tgt Ion:106 Resp: 325820

Ion Ratio Lower Upper

106 100

91 220.0 106.7 320.1

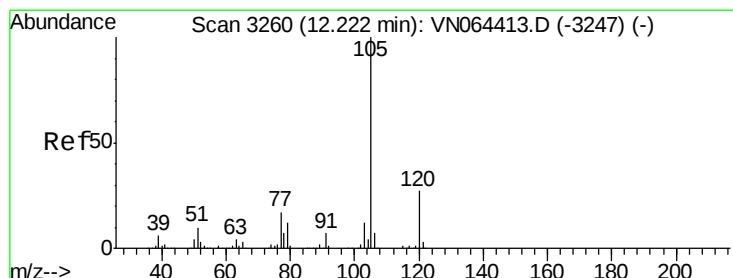
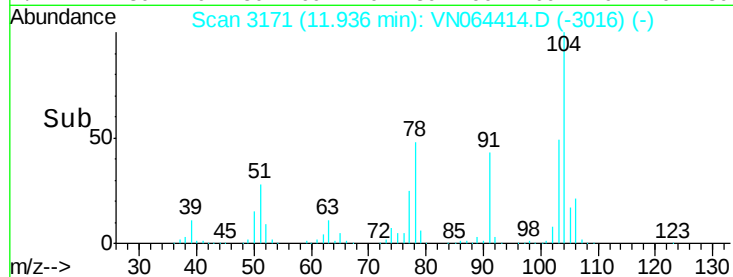
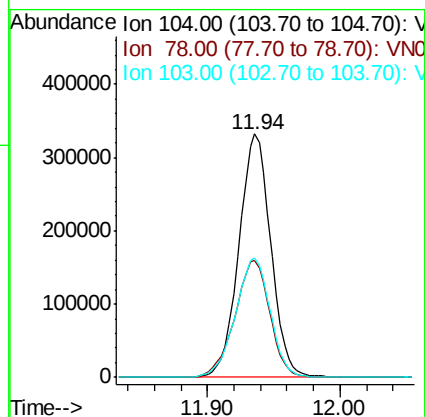
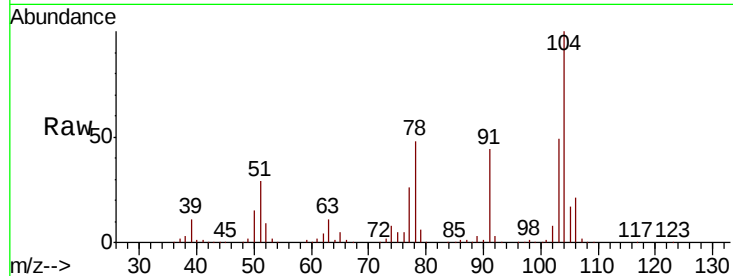




#69
Stvrene
Concen: 50.181 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

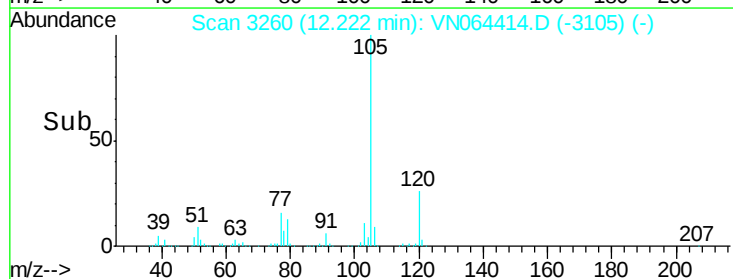
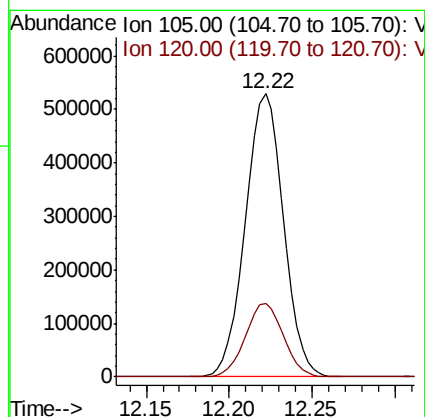
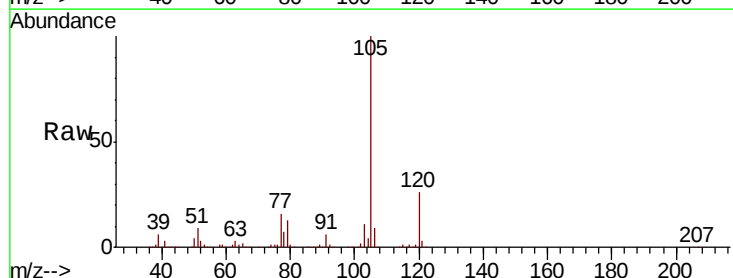
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

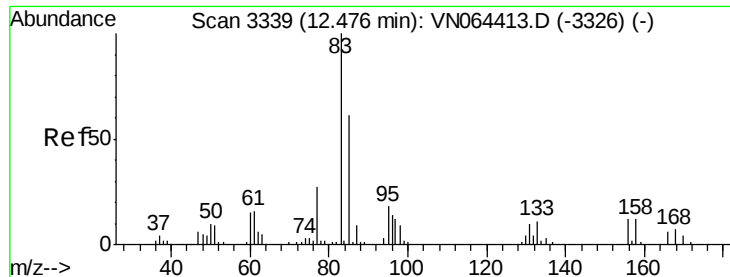
Tot Ion:104 Resp: 554973
Ion Ratio Lower Upper
104 100
78 52.8 44.3 66.5
103 53.5 43.5 65.3



#70
Isopropylbenzene
Concen: 48.325 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion:105 Resp: 850461
Ion Ratio Lower Upper
105 100
120 26.0 18.0 33.4

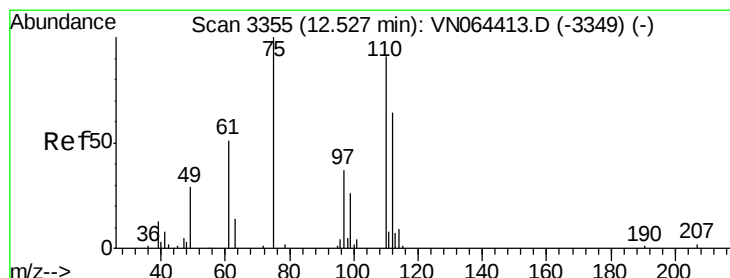
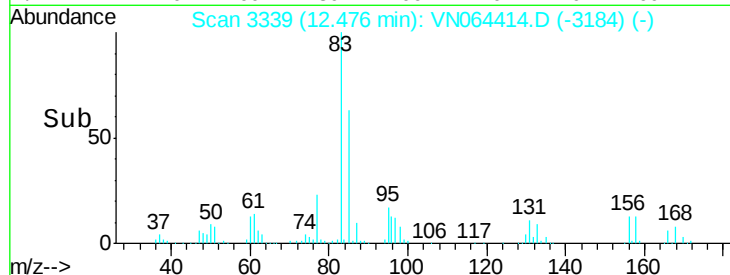
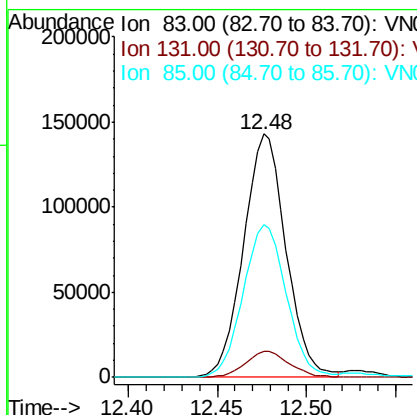
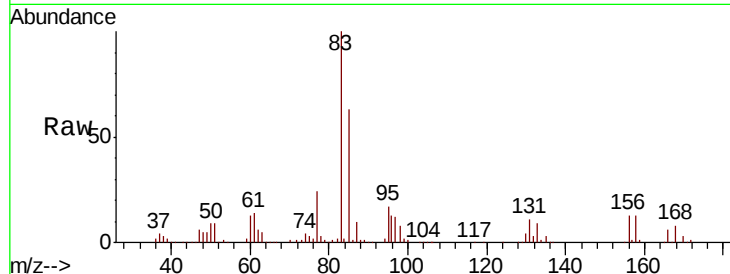




#71
 1,1,2,2-Tetrachloroethane
 Concen: 47.902 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

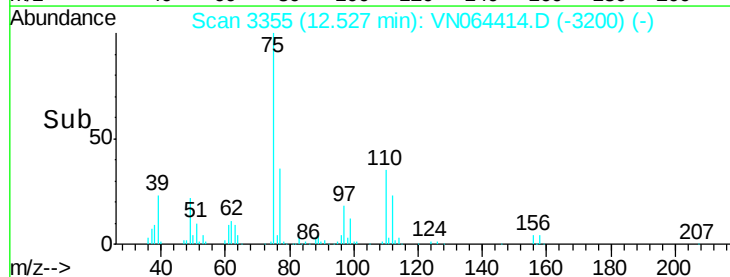
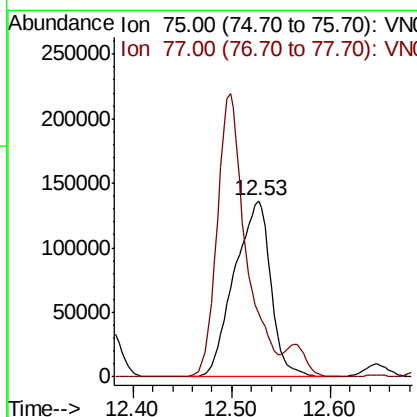
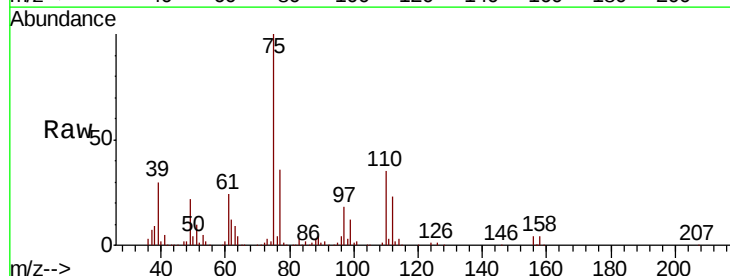
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

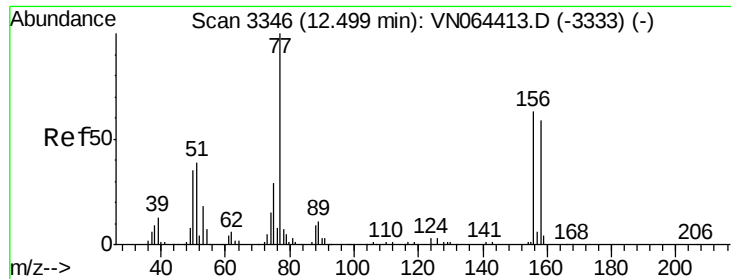
Tot Ion	83	Resp	237984
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	16.1
85	64.0	30.9	92.7



#72
 1,2,3-Trichloropropane
 Concen: 67.952 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion	75	Resp	349494
Ion Ratio	Lower	Upper	
75	100		
77	128.9	0.0	374.2





#73

Bromobenzene

Concen: 50.909 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

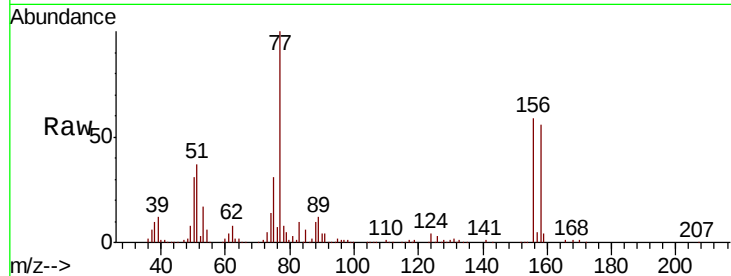
Tot Ion:156 Resp: 222297

Ion Ratio Lower Upper

156 100

77 202.7 0.0 409.4

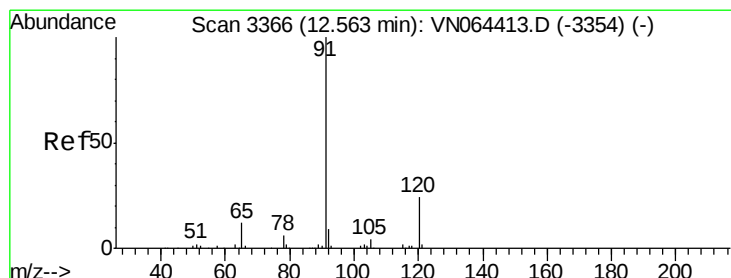
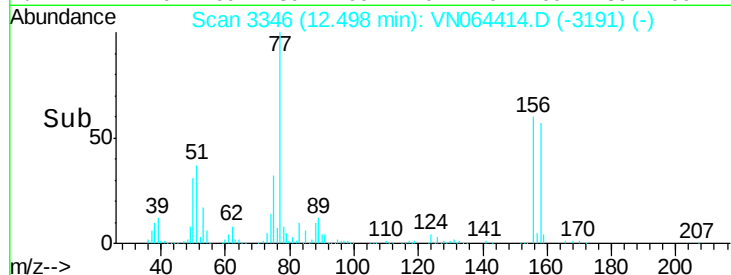
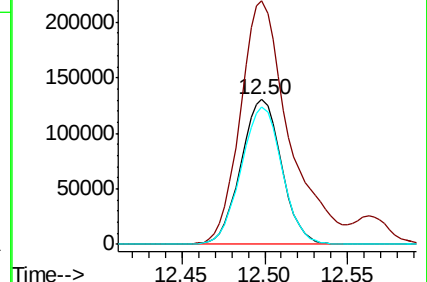
158 95.6 0.0 192.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 47.820 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064414.D

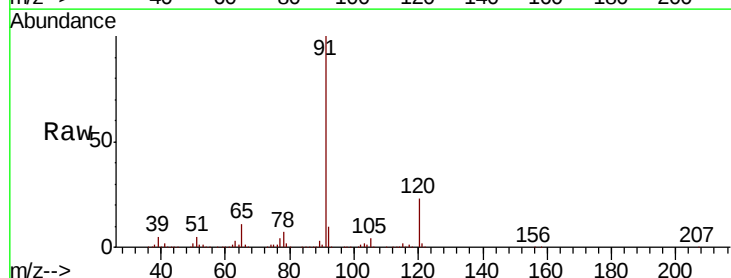
Acq: 2 Nov 2020 14:37

Tgt Ion: 91 Resp: 952767

Ion Ratio Lower Upper

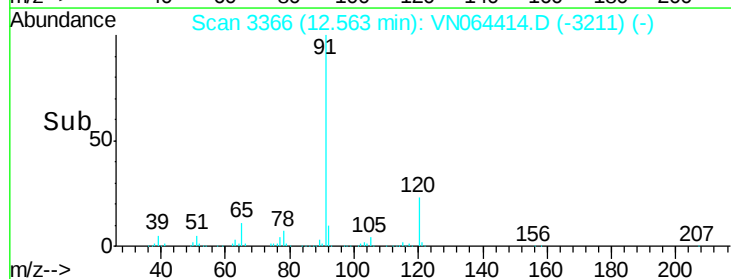
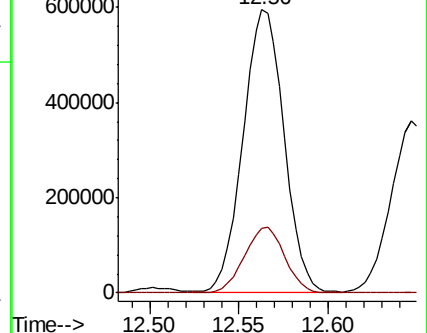
91 100

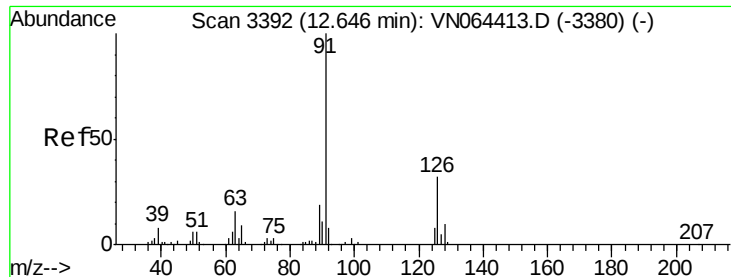
120 22.8 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 48.178 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

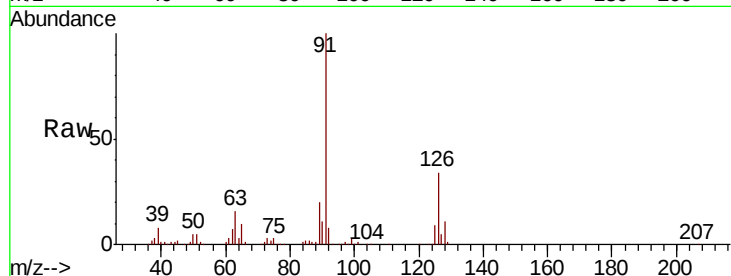
VSTDIC050

Tot Ion: 91 Resp: 596120

Ion Ratio Lower Upper

91 100

126 33.9 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VN064414.D (-3392) (-)

Ion 126.00 (125.70 to 126.70): VN064414.D (-3392) (-)

500000

400000

300000

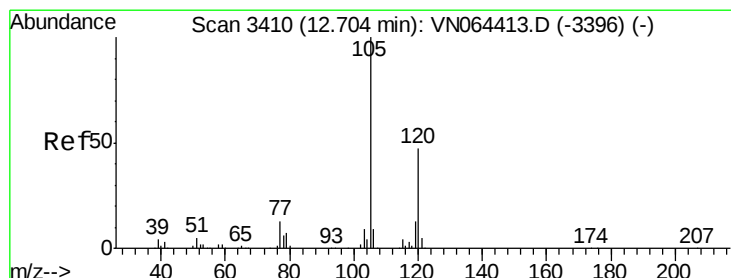
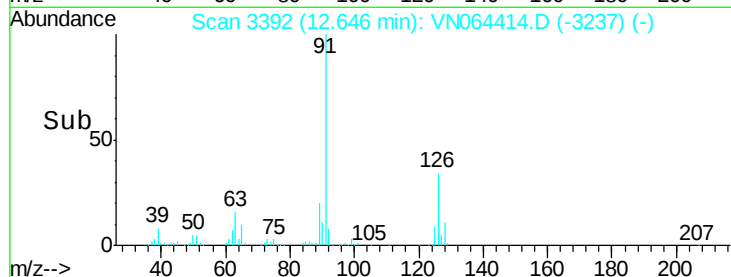
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 48.118 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064414.D

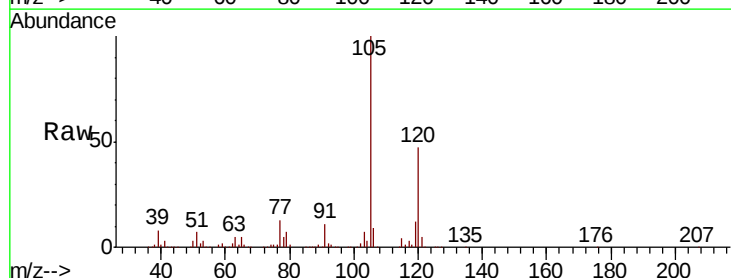
Acq: 2 Nov 2020 14:37

Tgt Ion: 105 Resp: 711268

Ion Ratio Lower Upper

105 100

120 47.0 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064414.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN064414.D (-3410) (-)

500000

400000

300000

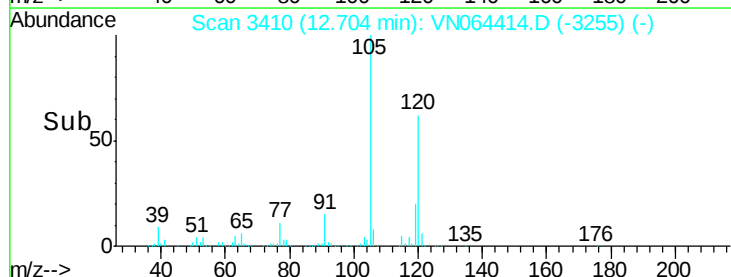
200000

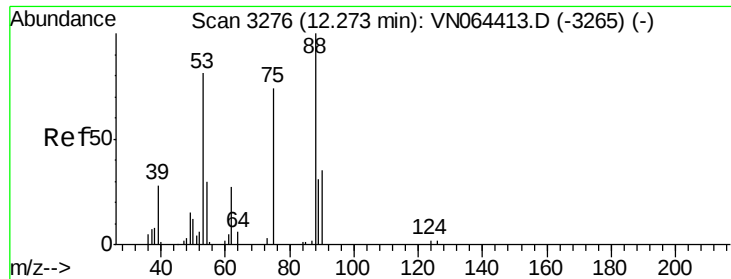
100000

0

12.60 12.65 12.70 12.75

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 48.902 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

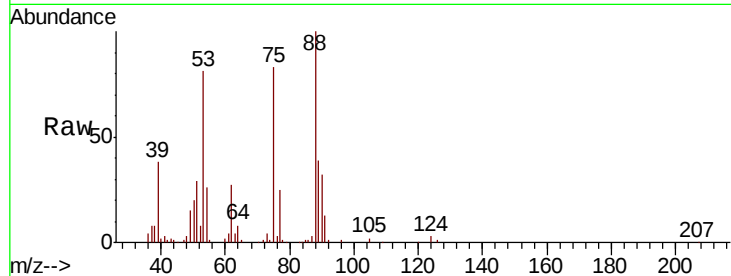
Tot Ion: 75 Resp: 94468

Ion Ratio Lower Upper

75 100

53 97.7 54.1 162.4

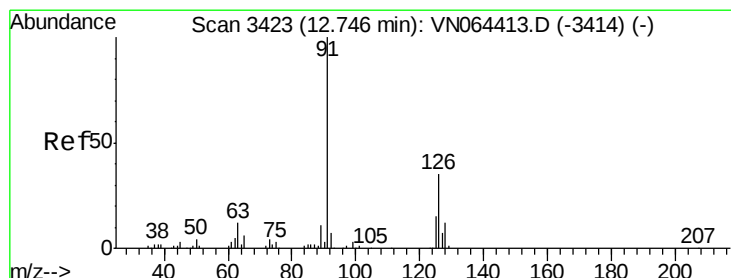
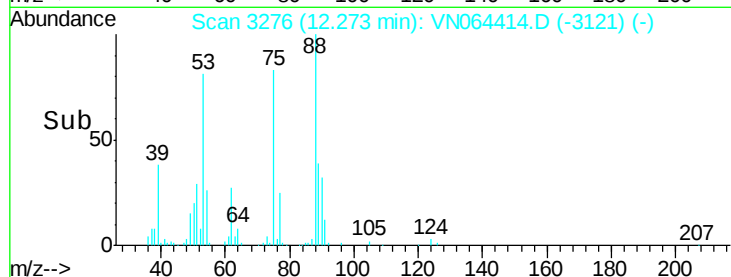
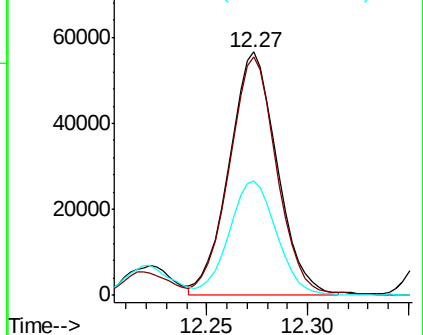
89 47.3 23.1 69.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 48.060 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064414.D

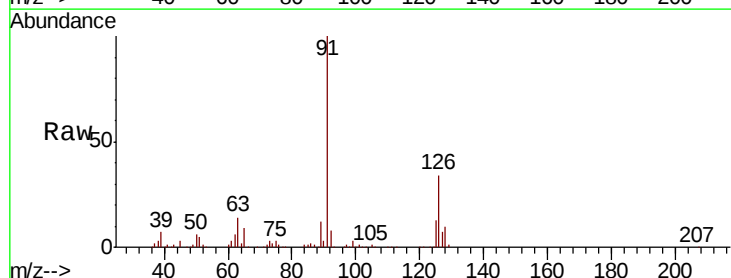
Acq: 2 Nov 2020 14:37

Tgt Ion: 91 Resp: 620707

Ion Ratio Lower Upper

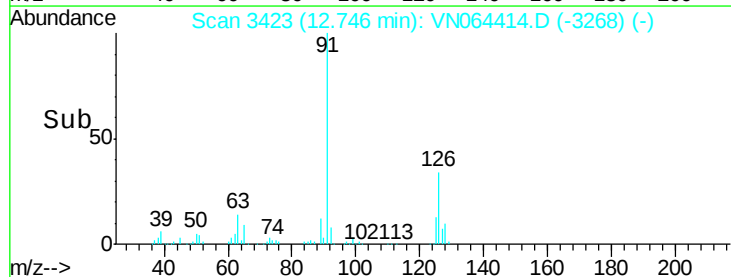
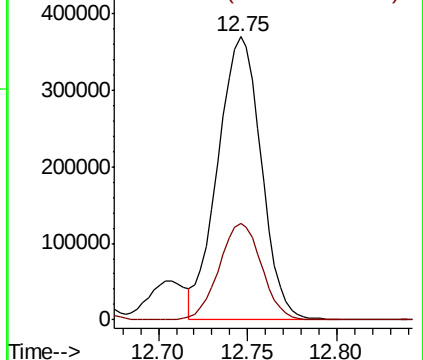
91 100

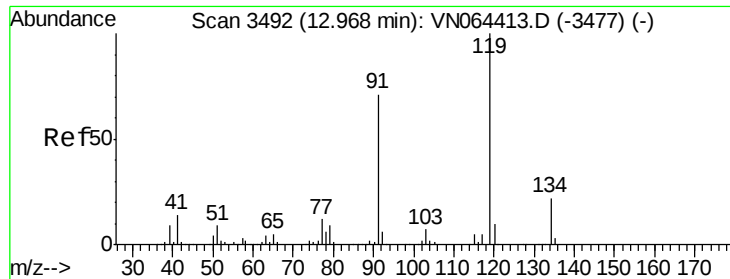
126 33.7 0.0 63.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

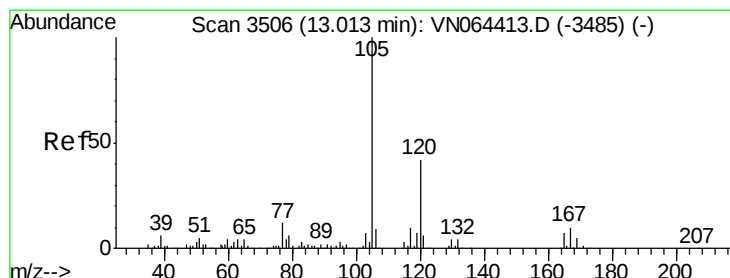
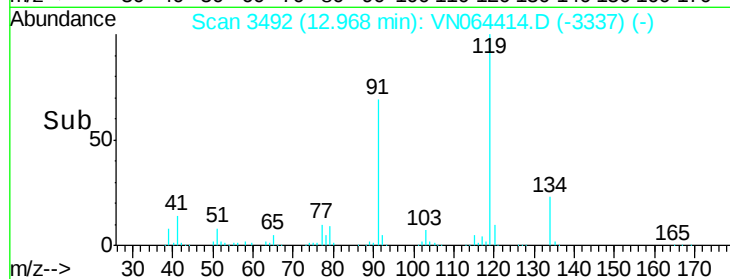
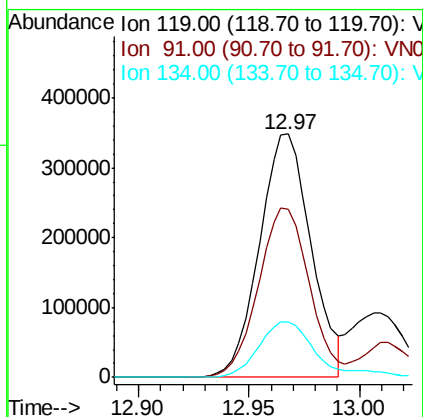
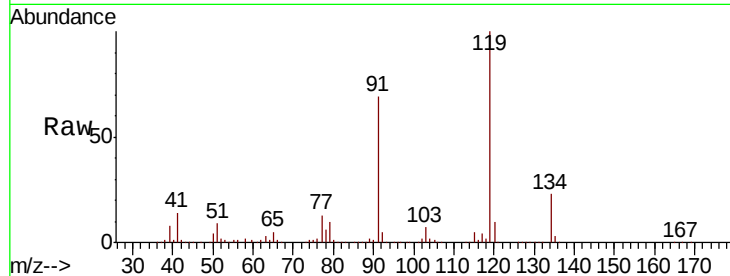




#79
tert-butylbenzene
Concen: 46.173 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

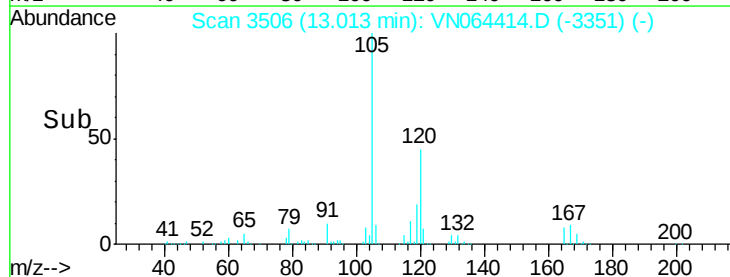
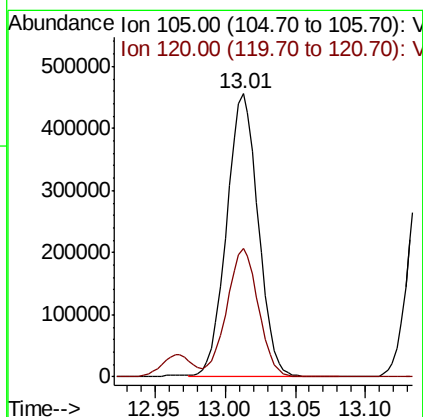
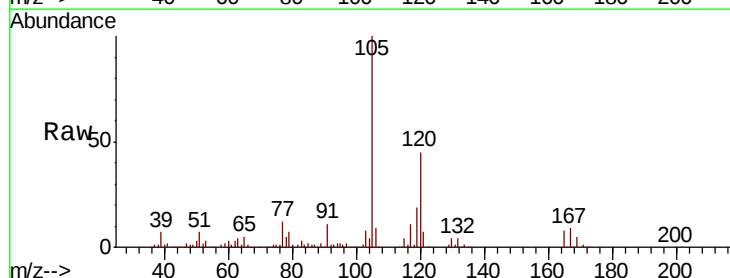
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

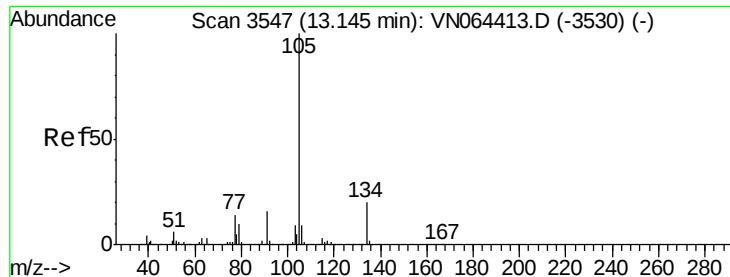
Tot Ion:119 Resp: 563925
Ion Ratio Lower Upper
119 100
91 69.0 0.0 140.4
134 23.8 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 47.753 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064414.D
Acq: 2 Nov 2020 14:37

Tgt Ion:105 Resp: 713037
Ion Ratio Lower Upper
105 100
120 45.1 0.0 88.0





#81

sec-Butylbenzene

Concen: 45.662 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

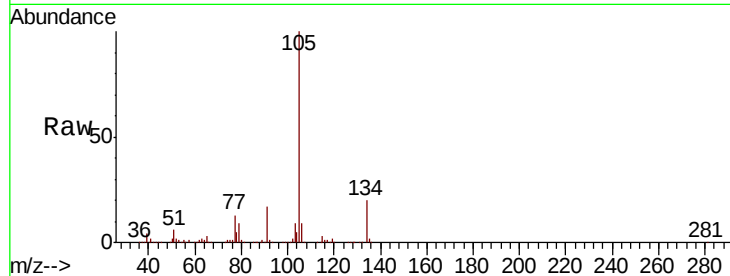
VSTDIC050

Tot Ion:105 Resp: 718394

Ion Ratio Lower Upper

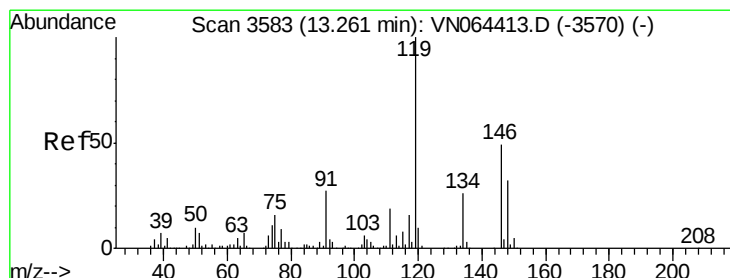
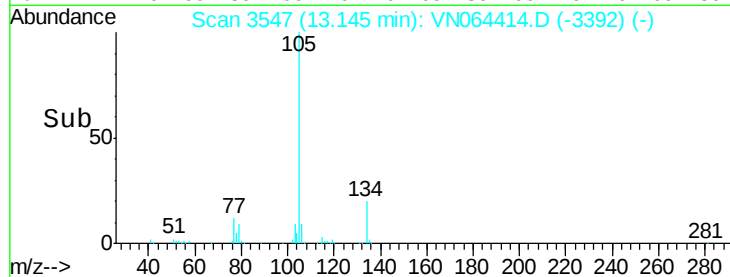
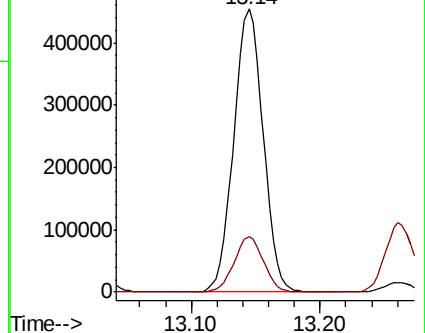
105 100

134 19.5 0.0 39.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 46.052 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

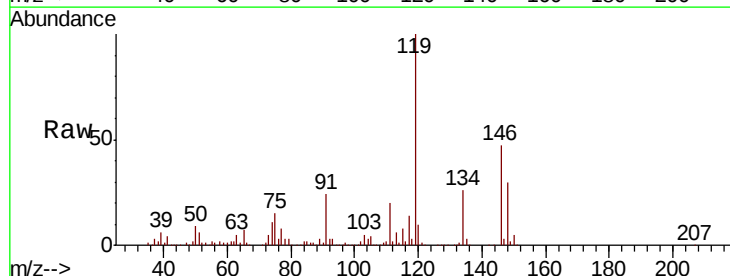
Tgt Ion:119 Resp: 664118

Ion Ratio Lower Upper

119 100

134 25.8 0.0 51.0

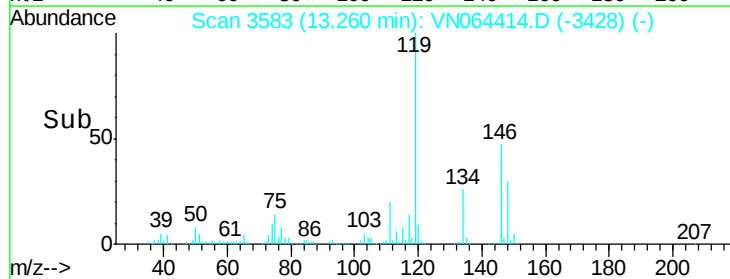
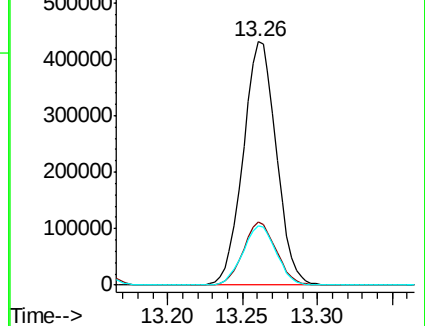
91 24.7 0.0 51.4

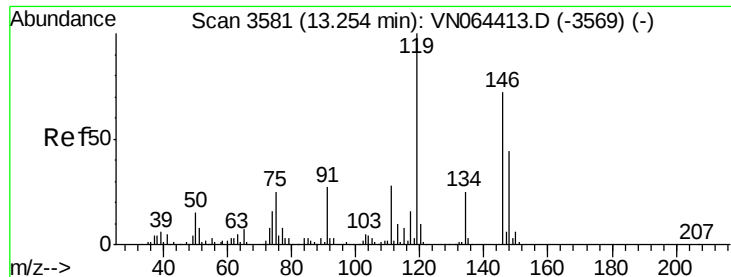


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

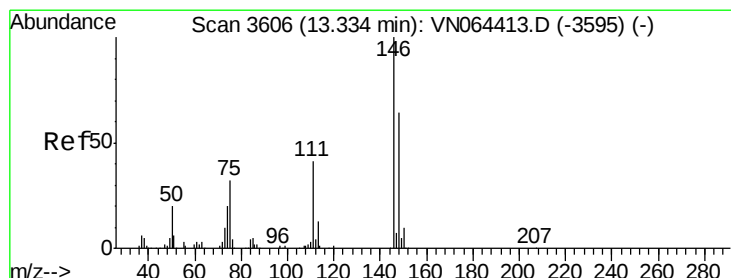
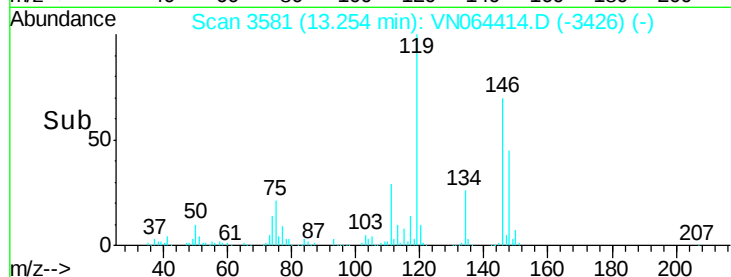
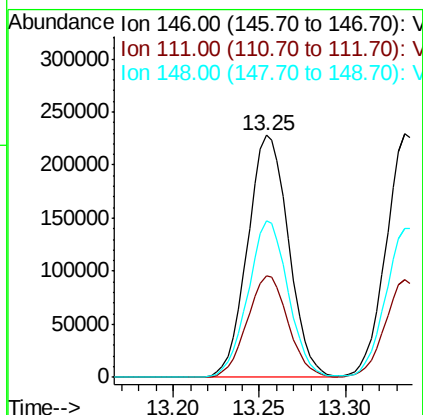
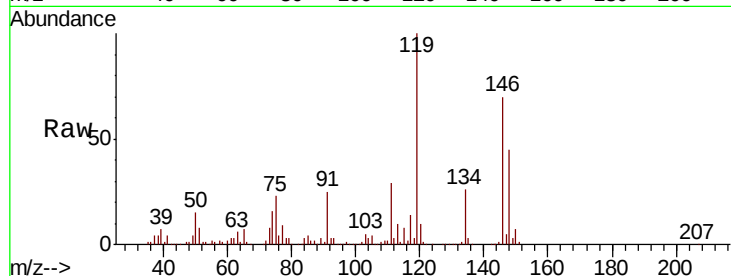




#83
 1,3-Dichlorobenzene
 Concen: 50.074 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

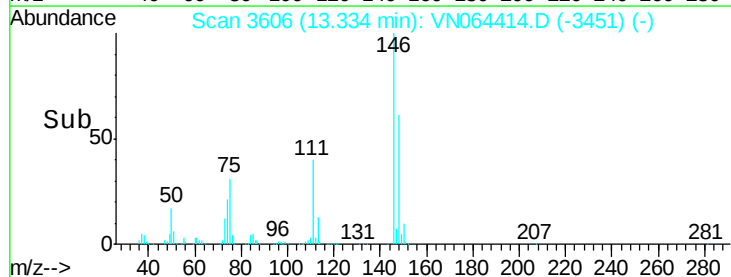
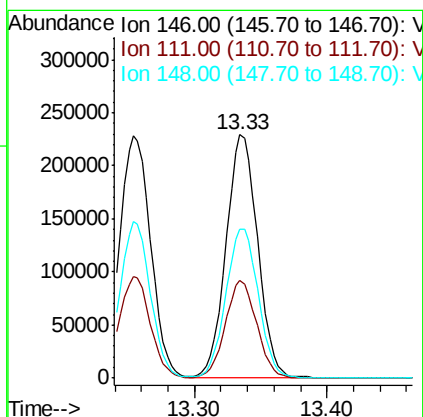
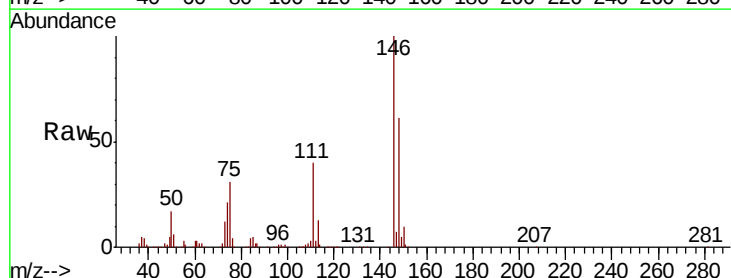
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

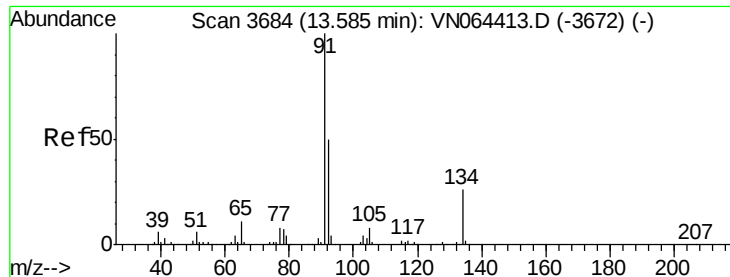
Tot Ion:146 Resp: 377412
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.5 61.6
 148 63.4 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 50.074 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion:146 Resp: 379924
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.9 59.6
 148 62.4 31.9 95.5





#85

n-Butylbenzene

Concen: 42.879 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

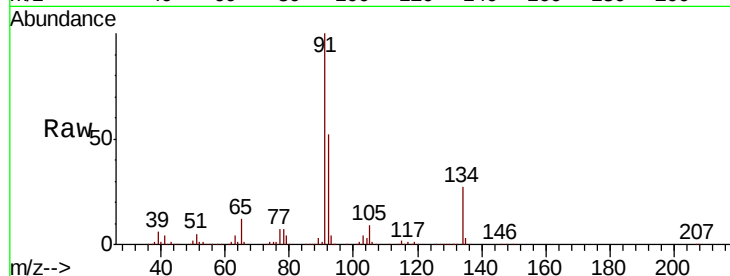
Tot Ion: 91 Resp: 534629

Ion Ratio Lower Upper

91 100

92 52.5 0.0 99.4

134 26.2 0.0 50.0



Abundance Ion 91.00 (90.70 to 91.70): VN064413.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN064413.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN064413.D (-3672) (-)

13.59

400000

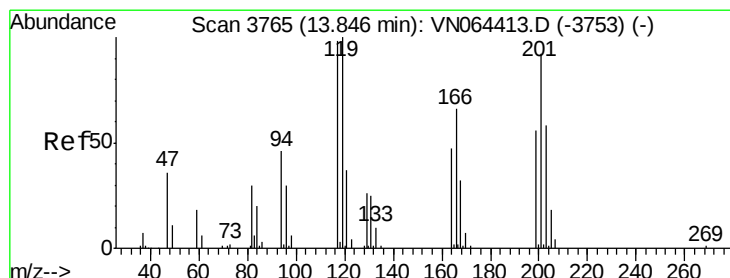
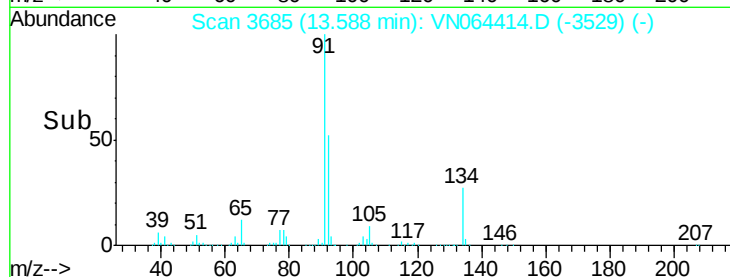
300000

200000

100000

0

Time--> 13.50 13.60



#86

Hexachloroethane

Concen: 46.945 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN064414.D

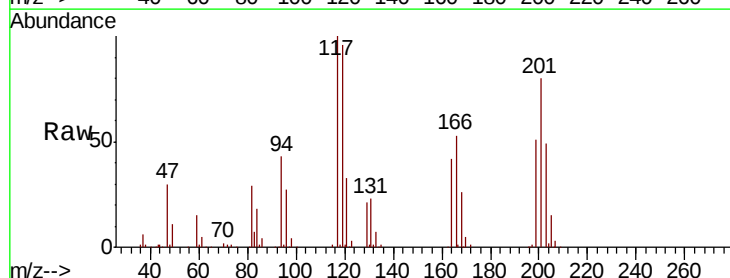
Acq: 2 Nov 2020 14:37

Tgt Ion: 117 Resp: 125432

Ion Ratio Lower Upper

117 100

201 80.4 42.7 128.1



Abundance Ion 117.00 (116.70 to 117.70): VN064413.D (-3753) (-)

Ion 201.00 (200.70 to 201.70): VN064413.D (-3753) (-)

13.85

80000

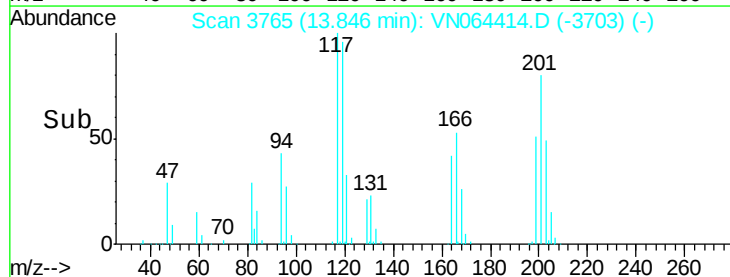
60000

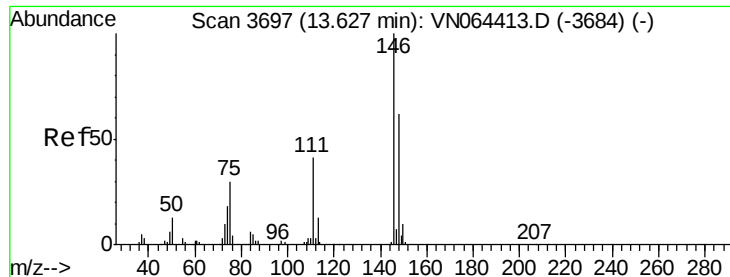
40000

20000

0

Time--> 13.80 13.85 13.90

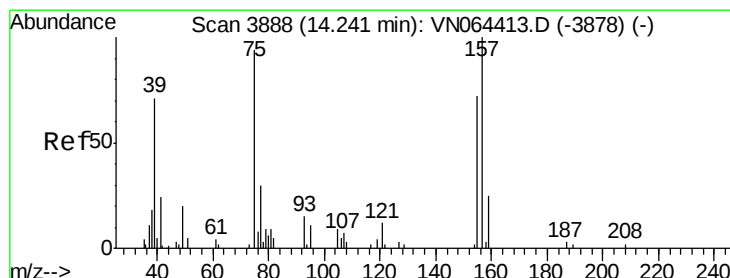
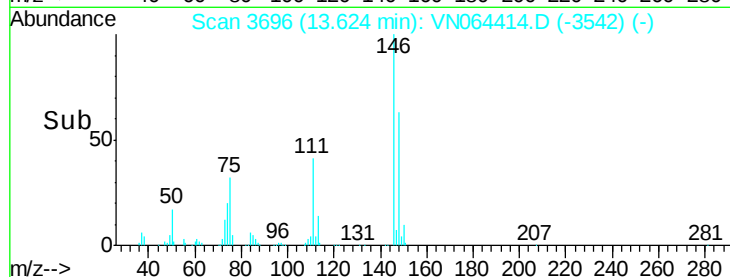
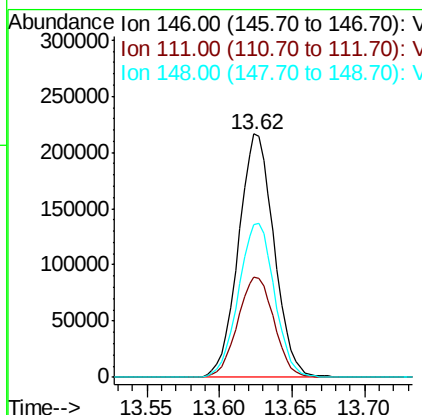
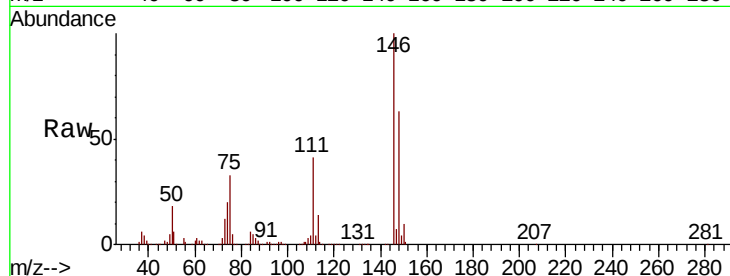




#87
 1,2-Dichlorobenzene
 Concen: 49.736 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

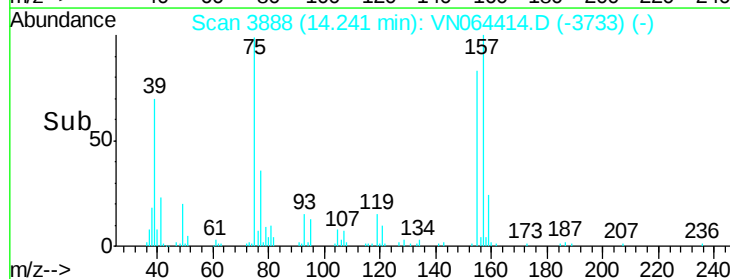
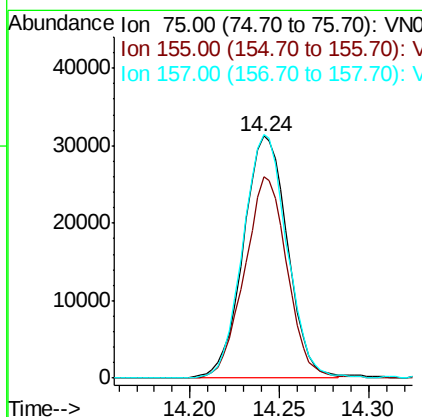
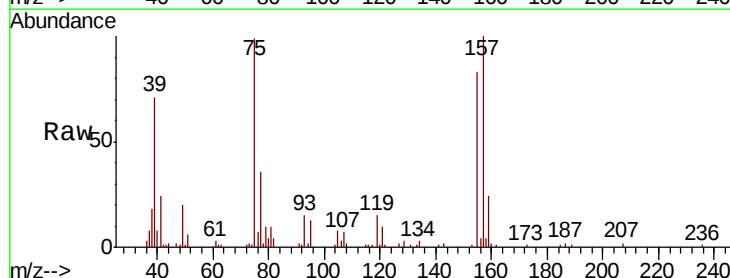
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

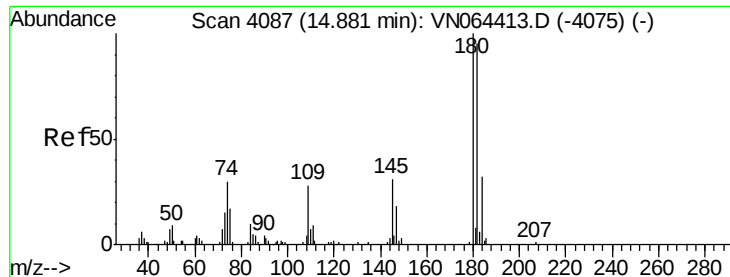
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	63.8	31.7	95.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 44.322 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064414.D
 Acq: 2 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	66.2	99.2
157	100.1	82.7	124.1





#89

1,2,4-Trichlorobenzene

Concen: 45.037 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

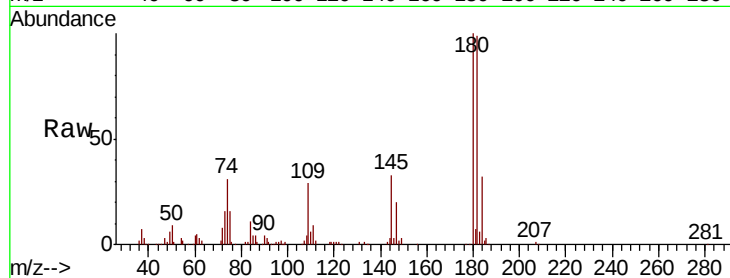
Tot Ion:180 Resp: 184702

Ion Ratio Lower Upper

180 100

182 97.8 72.6 108.8

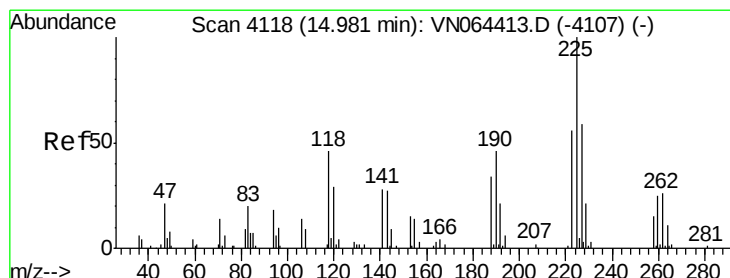
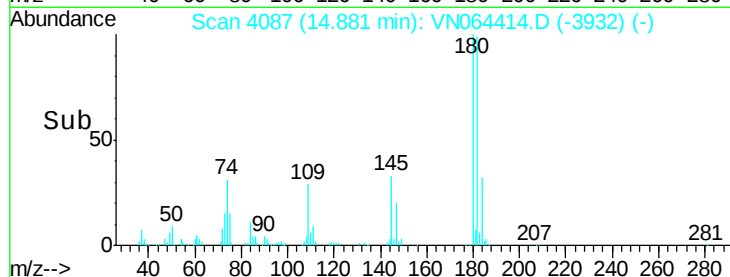
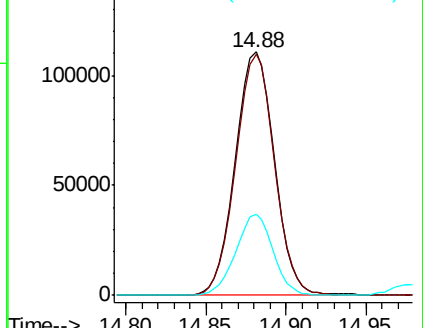
145 31.6 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 43.663 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

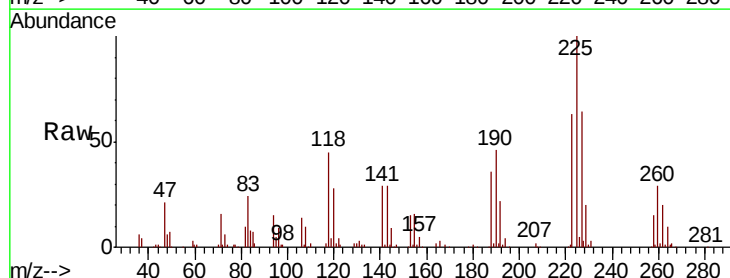
Tgt Ion:225 Resp: 96533

Ion Ratio Lower Upper

225 100

223 64.4 0.0 125.6

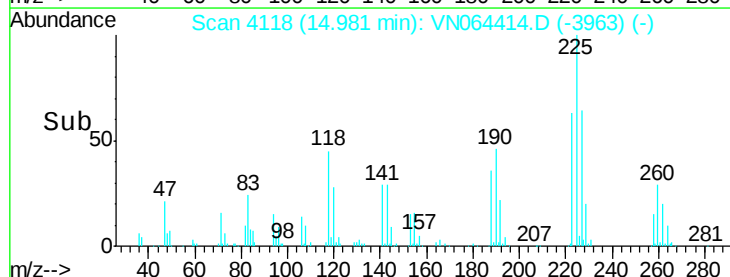
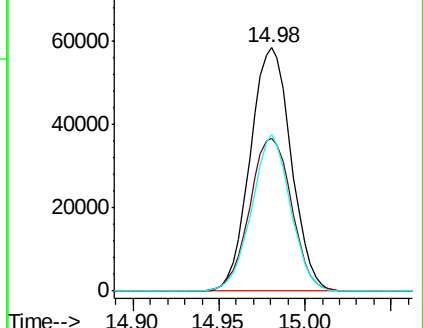
227 60.8 0.0 121.6

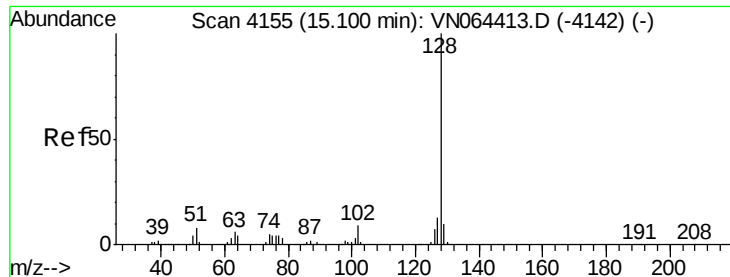


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 46.457 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

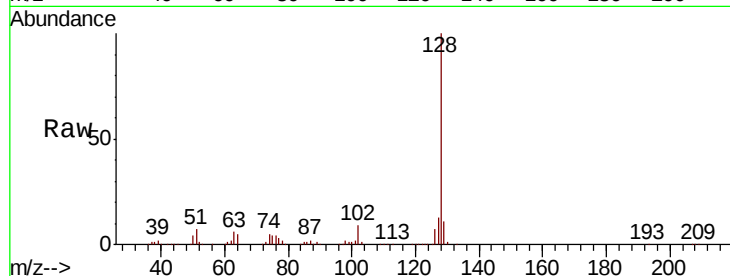
Tot Ion:128 Resp: 563577

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

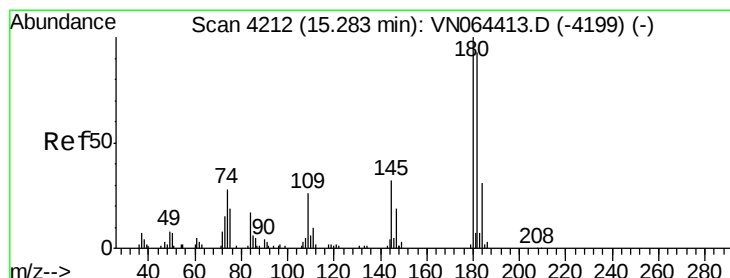
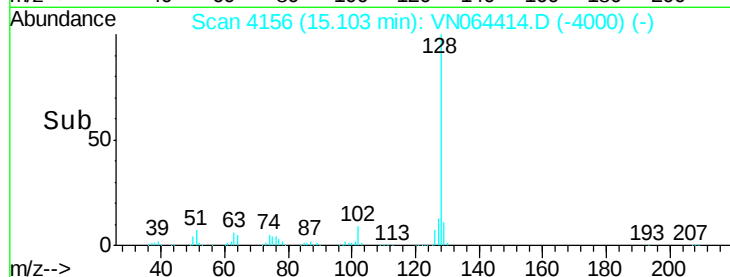
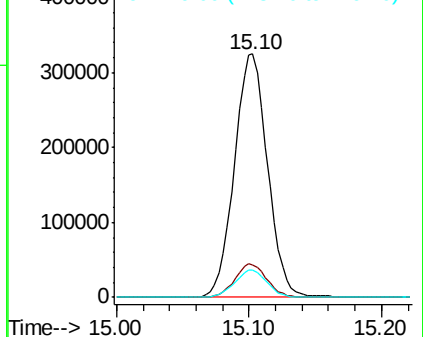
129 11.0 8.6 13.0



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



#92

1,2,3-Trichlorobenzene

Concen: 46.151 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064414.D

Acq: 2 Nov 2020 14:37

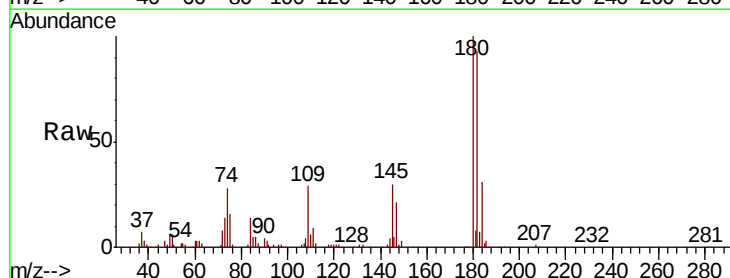
Tgt Ion:180 Resp: 181239

Ion Ratio Lower Upper

180 100

182 95.3 0.0 191.4

145 31.4 0.0 64.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

