

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\
 Data File : VN064308.D
 Acq On : 26 Oct 2020 17:29
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Oct 26 17:47:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 16:34:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	51165	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	279625	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	261606	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	129662	28.84	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.13%
60) 4-Bromofluorobenzene	12.38	95	139907	30.05	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.17%
63) Toluene-d8	10.06	98	341603	29.26	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	629183	186.003	ug/l 93
3) Chloromethane	2.04	50	598887	172.133	ug/l 99
4) Vinyl Chloride	2.16	62	575660	164.233	ug/l 100
5) Bromomethane	2.50	94	344650	151.516	ug/l 91
6) Chloroethane	2.65	64	315969	155.329	ug/l 96
7) Trichlorofluoromethane	2.97	101	854821	145.897	ug/l 91
8) Diethyl Ether	3.37	74	286819	149.183	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	432061	149.628	ug/l 99
10) 1,1-Dichloroethene	3.69	96	433485	155.775	ug/l 99
11) Methyl Iodide	3.91	142	661079	164.801	ug/l 97
12) Methyl Acetate	4.27	43	521160	157.995	ug/l 97
13) Acrolein	3.56	56	182189	697.836	ug/l 99
14) Acrylonitrile	4.93	53	1184420	904.241	ug/l 99
15) Acetone	3.77	58	293268	732.090	ug/l 97
16) Carbon Disulfide	4.01	76	1296968	160.375	ug/l 98
17) Allyl chloride	4.27	41	868545	162.576	ug/l 96
18) Methylene Chloride	4.50	84	495081	151.030	ug/l 97
19) trans-1,2-Dichloroethene	4.98	96	474177	152.026	ug/l 95
20) Diisopropyl ether	5.90	45	1708894	165.975	ug/l 92
21) 1,1-Dichloroethane	5.79	63	929435	153.288	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	540868	149.452	ug/l 97
23) tert-Butyl Alcohol	4.74	59	512540	853.336	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1623192	163.776	ug/l 97
25) Chloroform	7.33	83	960200	146.639	ug/l 94
26) Cyclohexane	7.61	56	782612	165.563	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	730039	154.376	ug/l 98
30) 2-Butanone	6.78	43	1717808	812.793	ug/l # 97
32) 1,1,1-Trichloroethane	7.53	97	929893	153.785	ug/l 98
33) Carbon Tetrachloride	7.73	117	840573	154.931	ug/l 96
34) Benzene	8.00	78	2003046	154.765	ug/l # 86
35) Methacrylonitrile	7.12	41	345275	162.381	ug/l 97
36) 1,2-Dichloroethane	8.08	62	844643	150.844	ug/l # 91
37) Trichloroethene	8.80	130	544611	154.196	ug/l 94
38) Methylcyclohexane	9.05	83	716935	164.953	ug/l 99
39) 1,2-Dichloropropane	9.08	63	536379	153.809	ug/l 97
40) Dibromomethane	9.17	93	368695	152.796	ug/l 98
41) Bromodichloromethane	9.37	83	809206	154.888	ug/l 99

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Quant Time: Oct 26 17:47:42 2020
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Vinyl Acetate	5.84	43	7461170	802.610	ug/l	100
43) Ethyl Acetate	6.88	43	724365	161.858	ug/l #	71
44) Isopropyl Acetate	8.13	43	1290886	161.417	ug/l #	87
45) 1,4-Dioxane	9.17	88	196945	3820.023	ug/l	97
46) Methyl methacrylate	9.16	41	642899	165.381	ug/l	97
47) n-amyl Acetate	12.05	43	1180373	170.423	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	916817	156.157	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	936364	154.217	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	499535	154.872	ug/l	94
51) Ethyl methacrylate	10.40	69	813794	163.916	ug/l	94
52) 1,3-Dichloropropane	10.68	76	877899	154.905	ug/l	98
53) Dibromochloromethane	10.87	129	642232	160.674	ug/l	99
54) 1,2-Dibromoethane	10.98	107	541963	157.145	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	2047386	792.131	ug/l	99
56) Bromoform	12.10	173	463108	162.196	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	3667820	813.432	ug/l	99
59) 2-Hexanone	10.72	43	2752665	811.028	ug/l	99
61) Tetrachloroethene	10.60	164	521625	147.125	ug/l	97
62) Toluene	10.12	91	2236085	152.849	ug/l	99
64) Chlorobenzene	11.41	112	1386679	153.536	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	548121	151.186	ug/l	95
66) Ethyl Benzene	11.48	91	2519007	149.573	ug/l	95
67) m/p-Xylenes	11.60	106	1897335	306.208	ug/l	92
68) o-Xylene	11.92	106	923860	153.422	ug/l	96
69) Styrene	11.94	104	1592767	158.350	ug/l	97
70) Isopropylbenzene	12.22	105	2424803	151.698	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.48	83	701059	160.085	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	1057904	229.669	ug/l	68
73) Bromobenzene	12.50	156	605914	155.587	ug/l	97
74) n-propylbenzene	12.57	91	2793611	153.053	ug/l	99
75) 2-Chlorotoluene	12.65	91	1729638	152.023	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	2091974	154.527	ug/l	97
77) t-1,4-Dichloro-2-butene	12.27	75	295227	167.508	ug/l	95
78) 4-Chlorotoluene	12.75	91	1839033	155.876	ug/l	99
79) tert-butylbenzene	12.97	119	1701134	154.380	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	2102002	152.853	ug/l	98
81) sec-Butylbenzene	13.14	105	2181767	152.697	ug/l	99
82) p-Isopropyltoluene	13.26	119	2036849	155.329	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	1093400	160.227	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	1089552	157.263	ug/l	98
85) n-Butylbenzene	13.59	91	1785823	155.796	ug/l	98
86) Hexachloroethane	13.85	117	399524	175.980	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	1055455	157.877	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	185313	173.051	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	627186	166.056	ug/l	99
90) Hexachlorobutadiene	14.98	225	308918	150.089	ug/l	95
91) Naphthalene	15.10	128	1938905	173.198	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	610406	168.293	ug/l	99

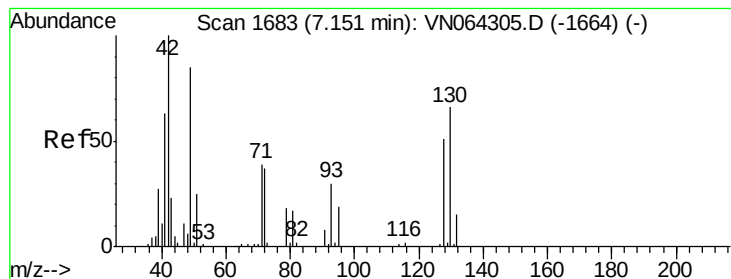
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

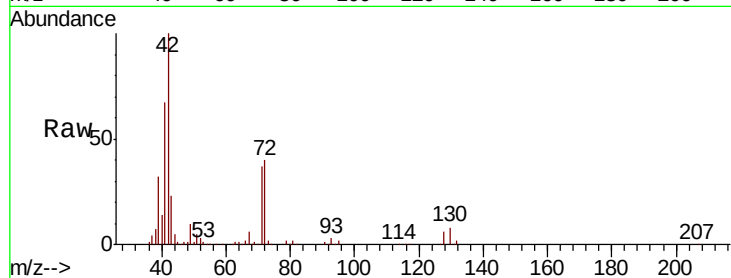
Tot Ion:128 Resp: 51165

Ion Ratio Lower Upper

128 100

49 186.0 0.0 439.5

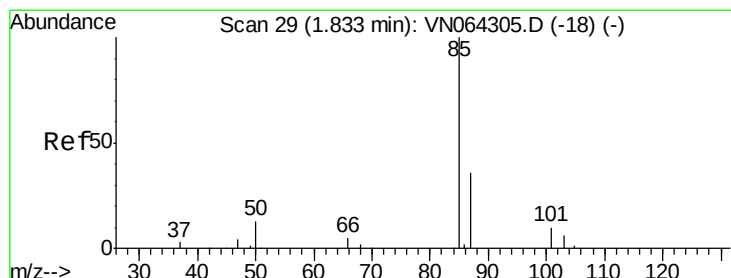
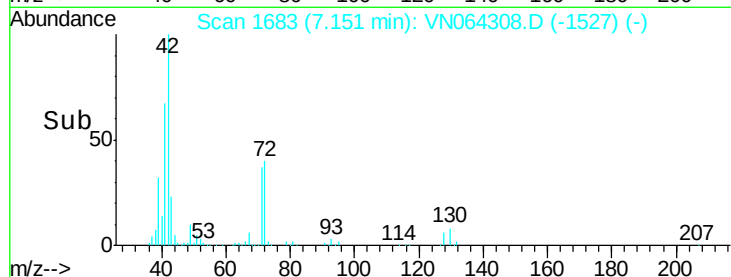
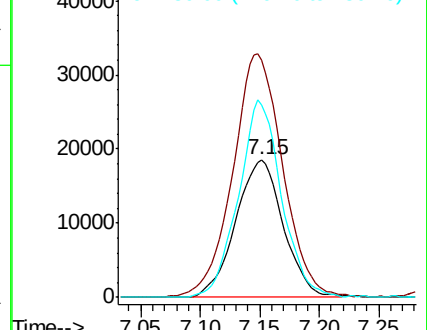
130 129.9 0.0 323.8



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: 186.003 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064308.D

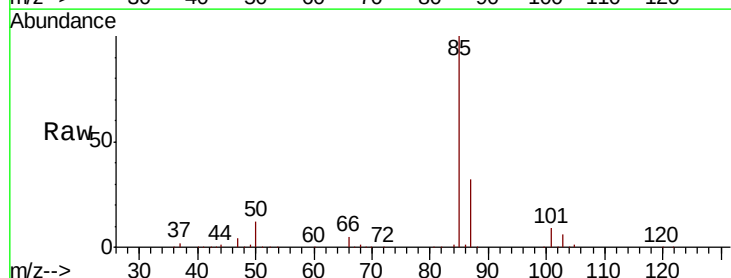
Acq: 26 Oct 2020 17:29

Tgt Ion: 85 Resp: 629183

Ion Ratio Lower Upper

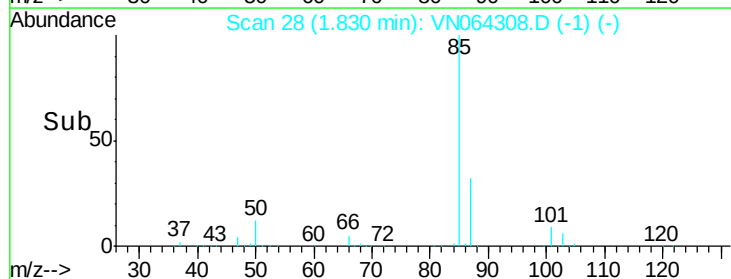
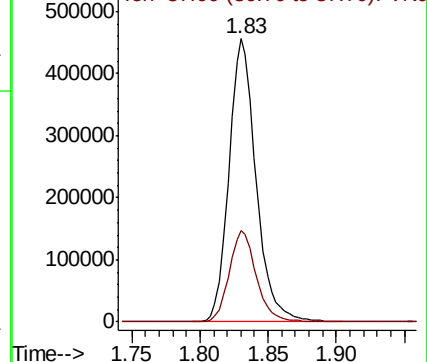
85 100

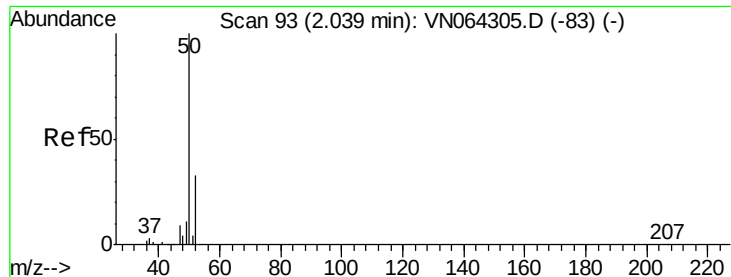
87 32.1 18.1 54.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 172.133 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

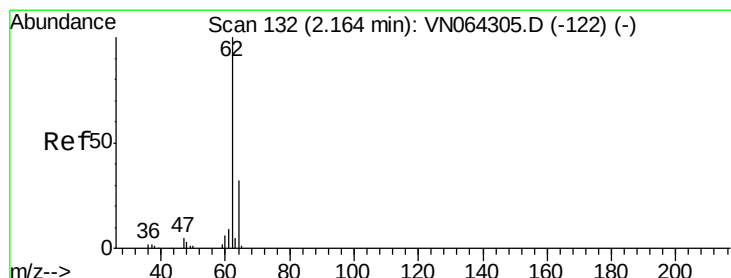
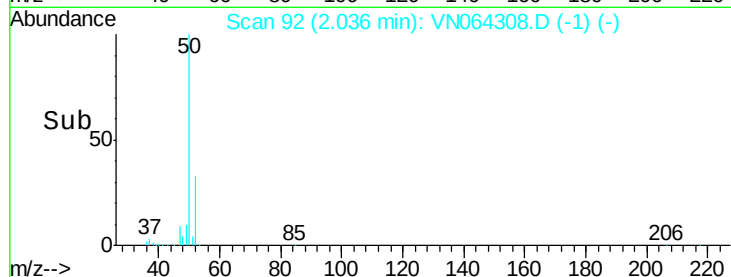
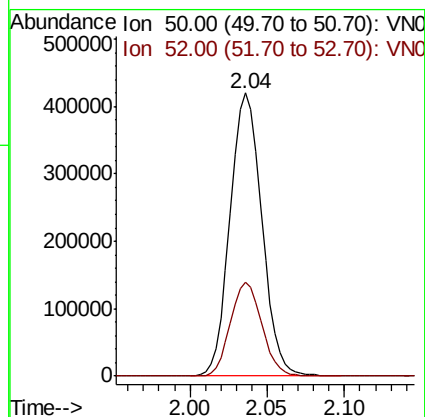
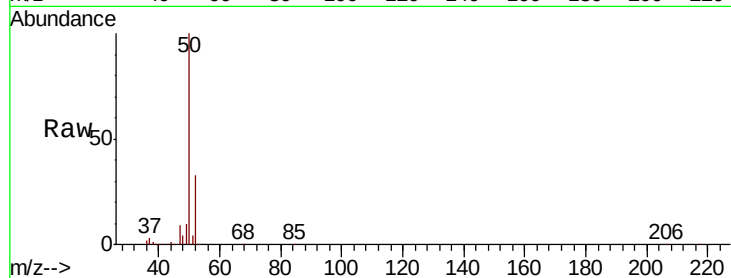
VSTDIC150

Tot Ion: 50 Resp: 598887

Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.2



#4

Vinyl Chloride

Concen: 164.233 ug/l

RT: 2.16 min Scan# 131

Delta R.T. -0.00 min

Lab File: VN064308.D

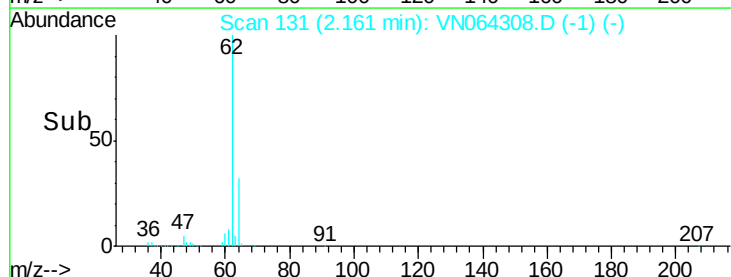
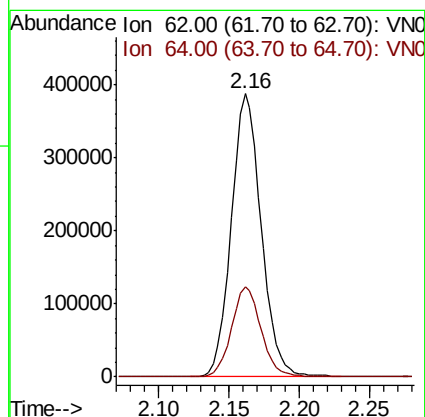
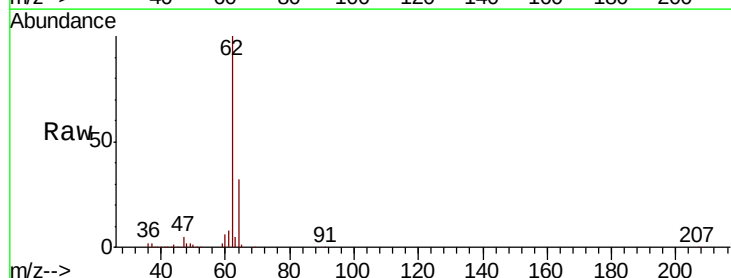
Acq: 26 Oct 2020 17:29

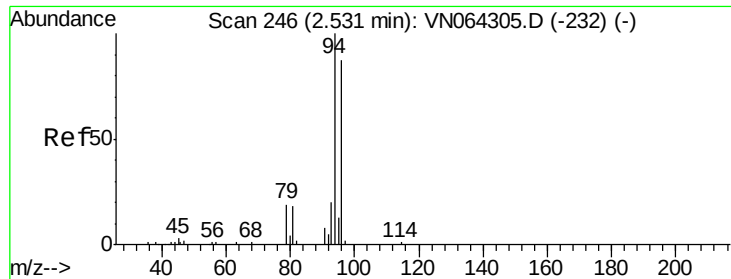
Tgt Ion: 62 Resp: 575660

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3

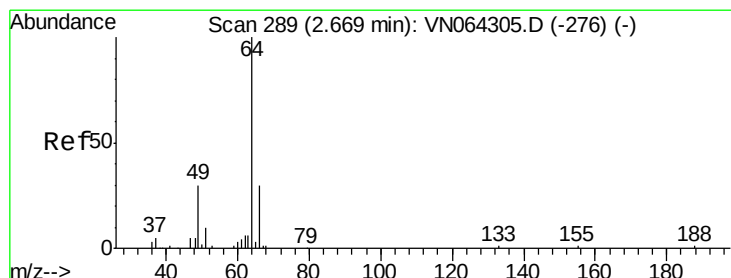
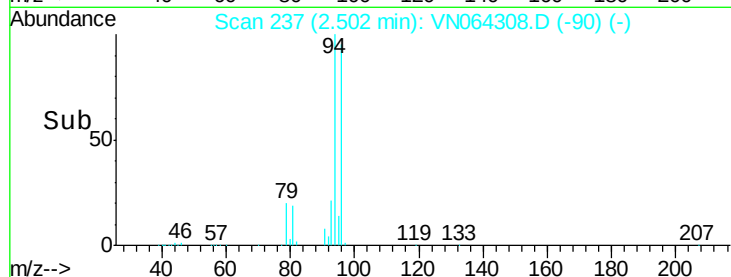
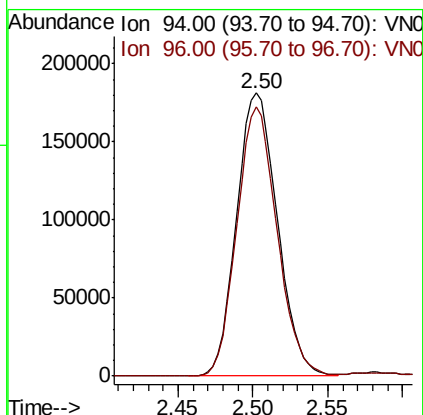
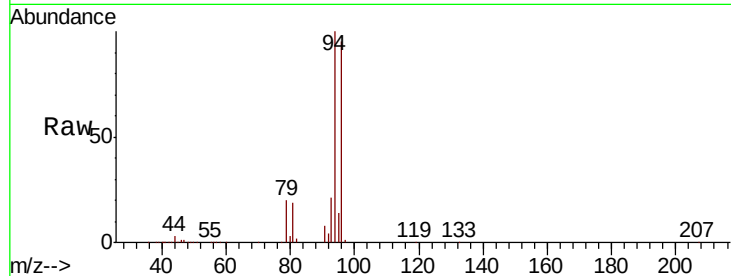




#5
Bromomethane
Concen: 151.516 ug/l
RT: 2.50 min Scan# 237
Delta R.T. -0.03 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

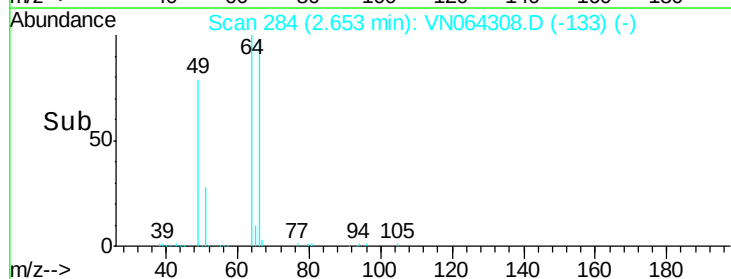
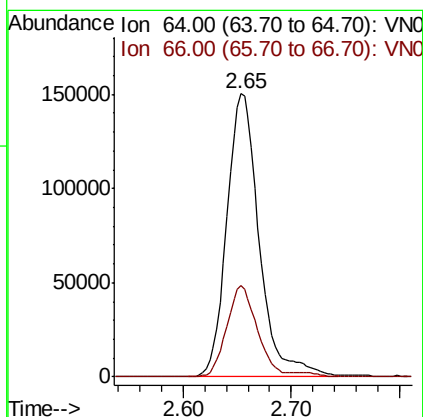
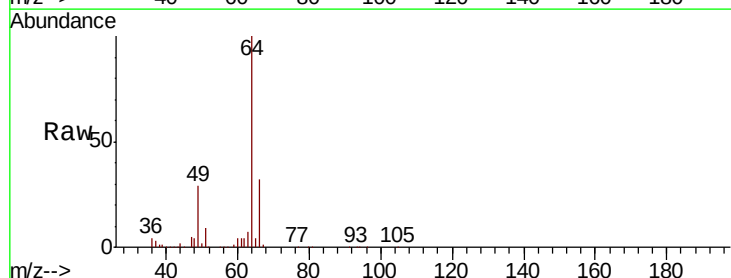
Instrument :
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ClientSampleId :
VSTDIC150

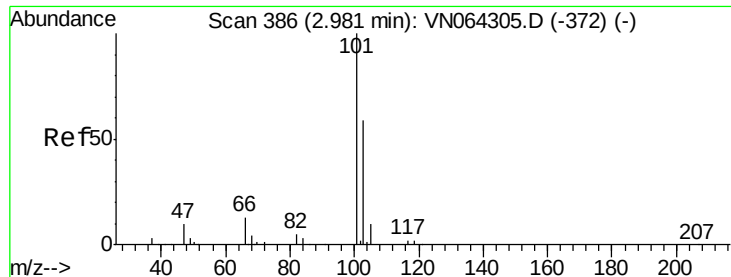
Tot Ion: 94 Resp: 344650
Ion Ratio Lower Upper
94 100
96 95.2 69.4 104.0



#6
Chloroethane
Concen: 155.329 ug/l
RT: 2.65 min Scan# 284
Delta R.T. -0.02 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion: 64 Resp: 315969
Ion Ratio Lower Upper
64 100
66 32.3 24.1 36.1



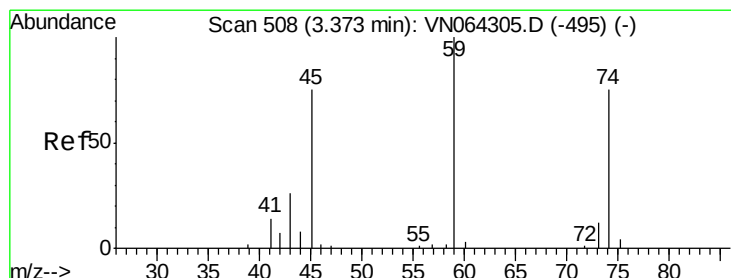
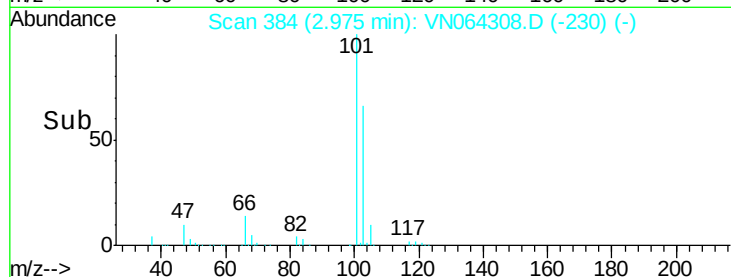
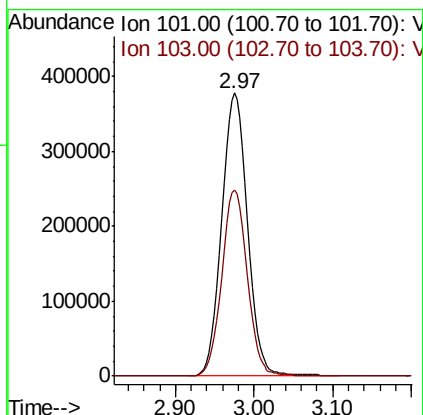
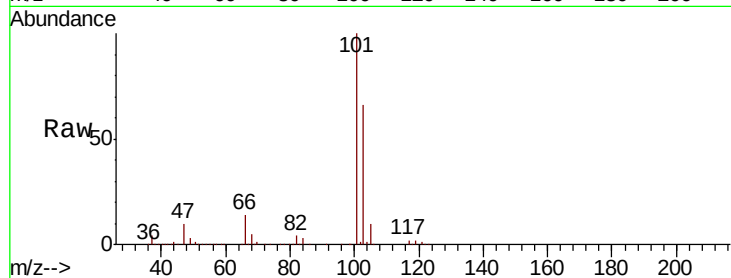


#7

Trichlorofluoromethane
Concen: 145.897 ug/l
RT: 2.97 min Scan# 384
Delta R.T. -0.01 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

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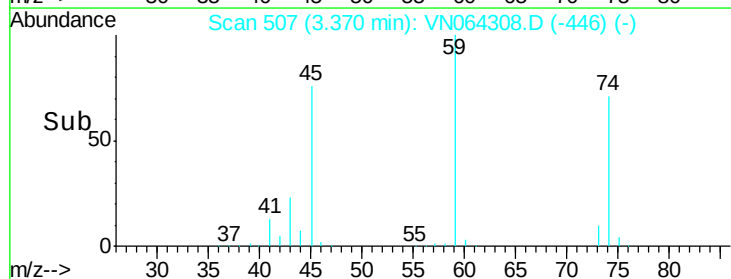
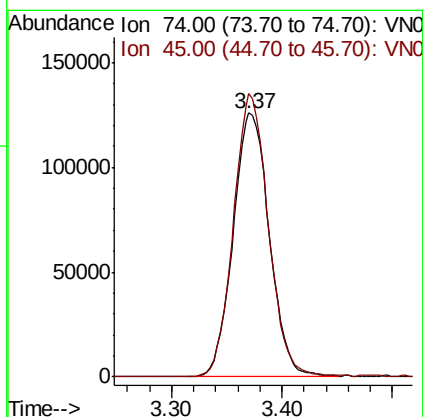
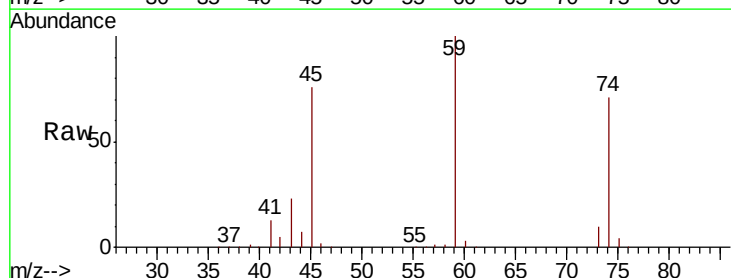
Tot Ion:101 Resp: 854821
Ion Ratio Lower Upper
101 100
103 65.9 47.1 70.7

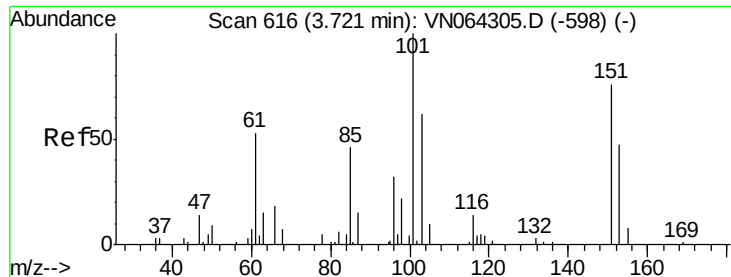


#8

Diethyl Ether
Concen: 149.183 ug/l
RT: 3.37 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion: 74 Resp: 286819
Ion Ratio Lower Upper
74 100
45 103.5 20.4 183.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.628 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

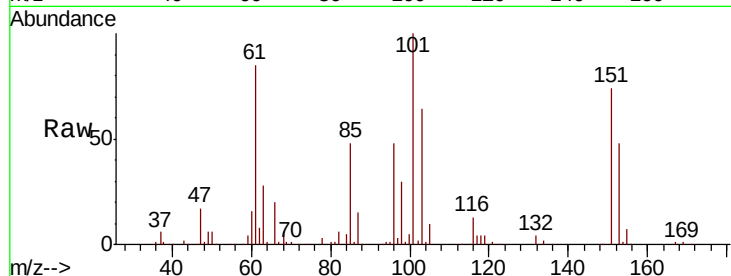
Tot Ion:101 Resp: 432061

Ion Ratio Lower Upper

101 100

85 48.1 0.0 96.2

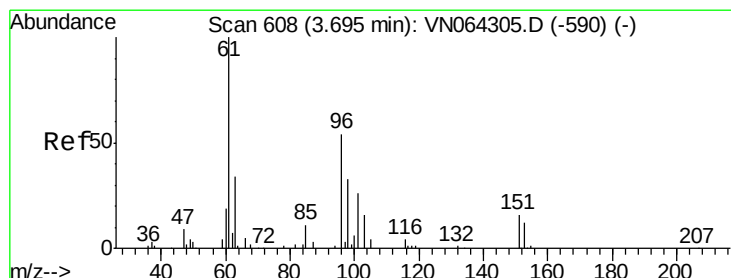
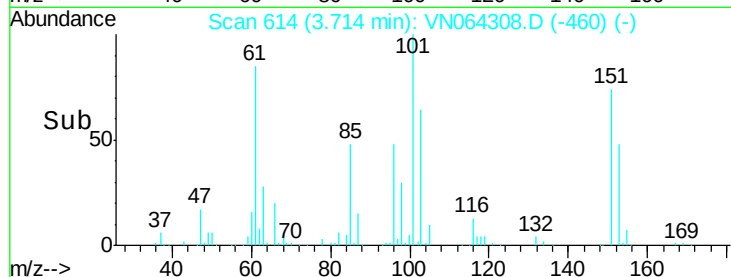
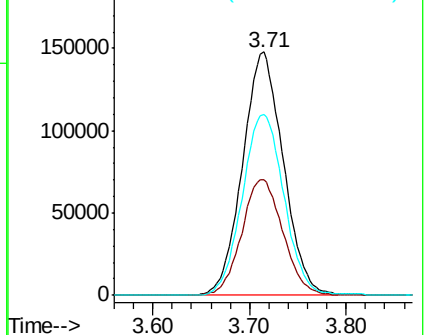
151 76.3 0.0 154.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 155.775 ug/l

RT: 3.69 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

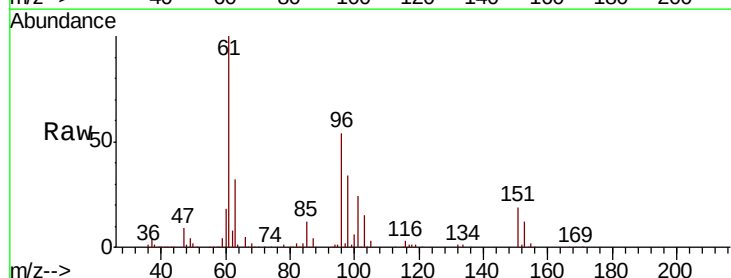
Tgt Ion: 96 Resp: 433485

Ion Ratio Lower Upper

96 100

61 184.7 147.4 221.2

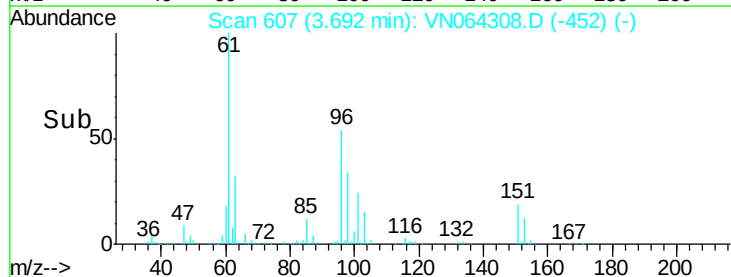
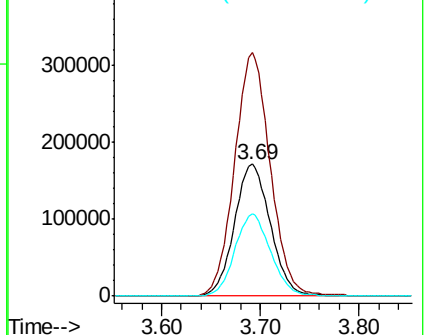
98 62.6 48.8 73.2

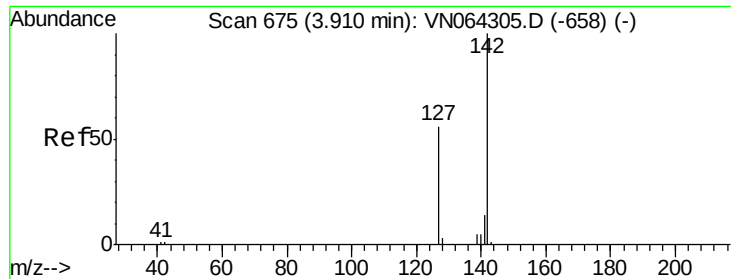


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

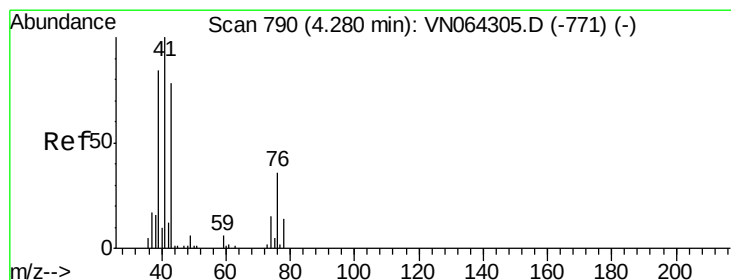
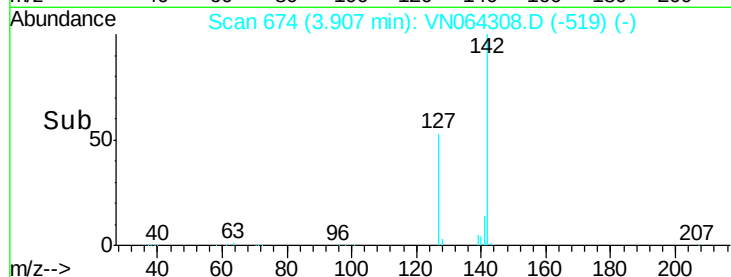
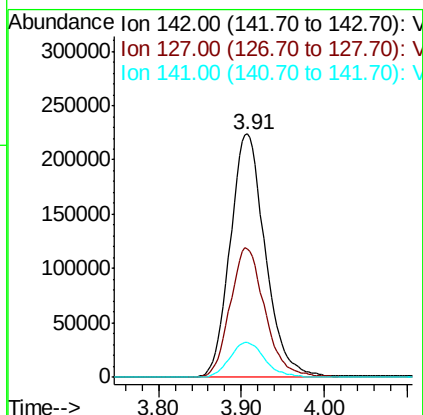
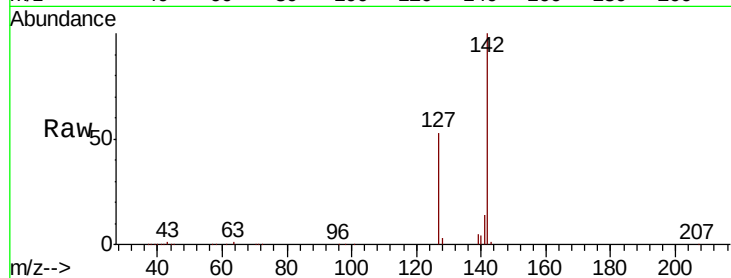




#11
Methvl Iodide
Concen: 164.801 ug/l
RT: 3.91 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

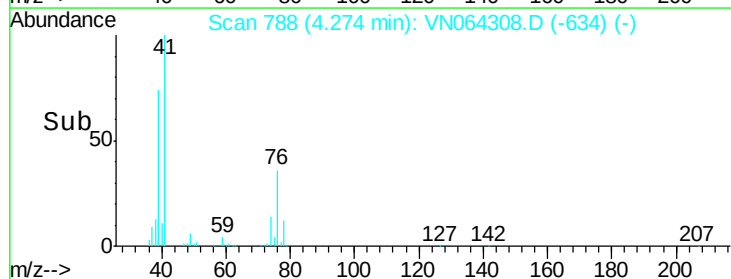
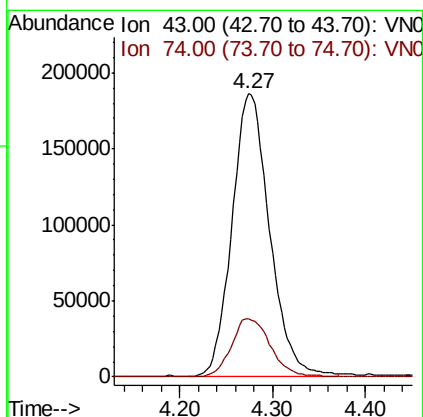
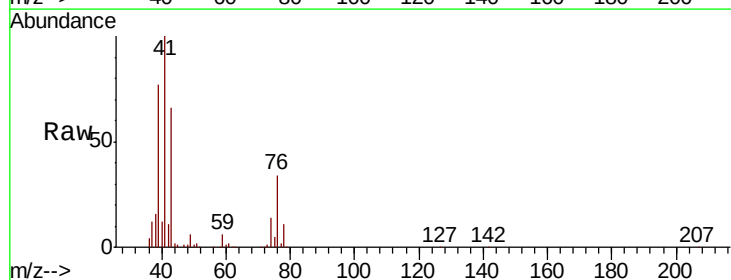
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

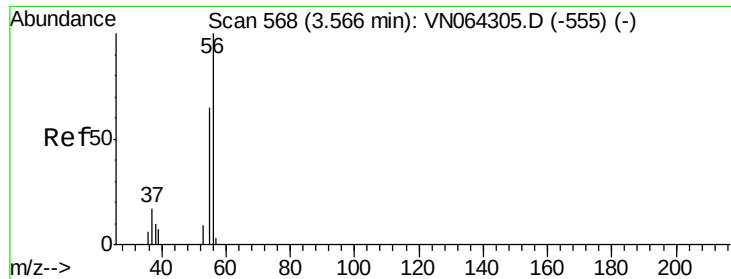
Tot Ion:142 Resp: 661079
Ion Ratio Lower Upper
142 100
127 52.8 27.9 83.7
141 14.2 7.1 21.3



#12
Methyl Acetate
Concen: 157.995 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion: 43 Resp: 521160
Ion Ratio Lower Upper
43 100
74 20.5 15.4 23.0





#13

Acrolein

Concen: 697.836 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

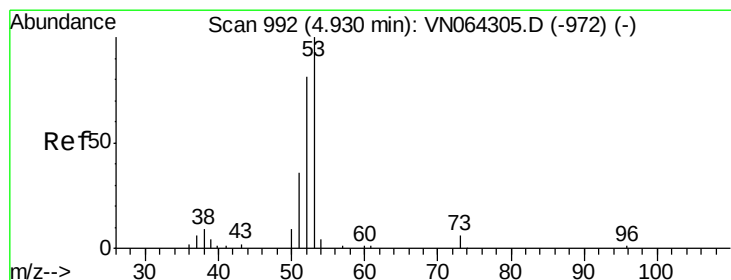
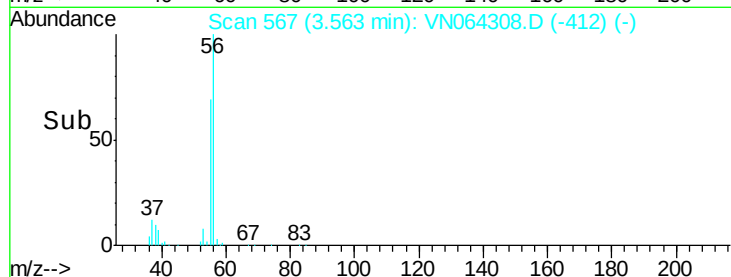
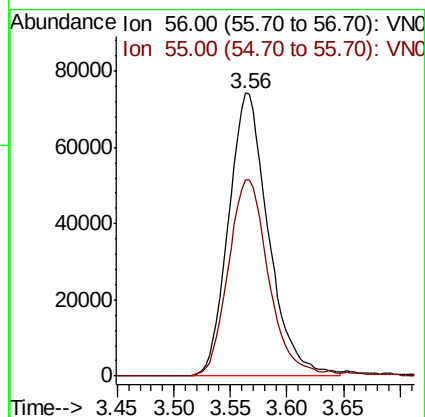
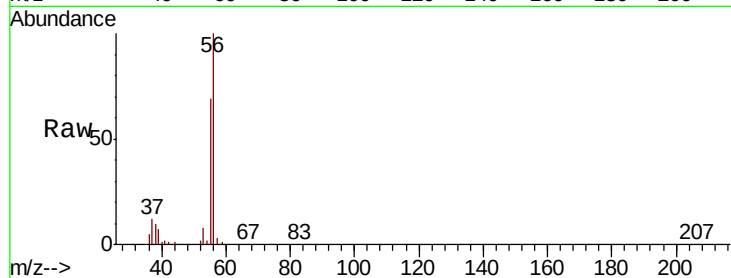
VSTDIC150

Tot Ion: 56 Resp: 182189

Ion Ratio Lower Upper

56 100

55 69.9 55.5 83.3



#14

Acrylonitrile

Concen: 904.241 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

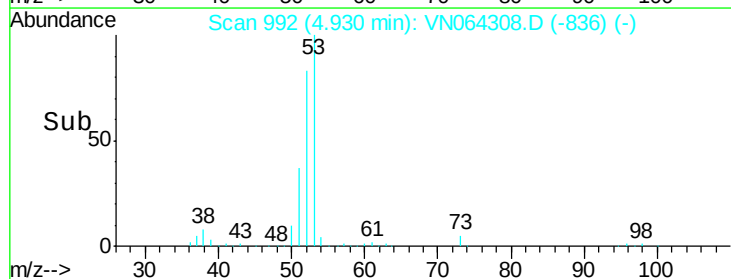
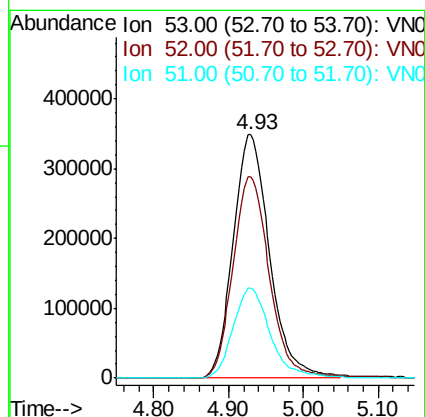
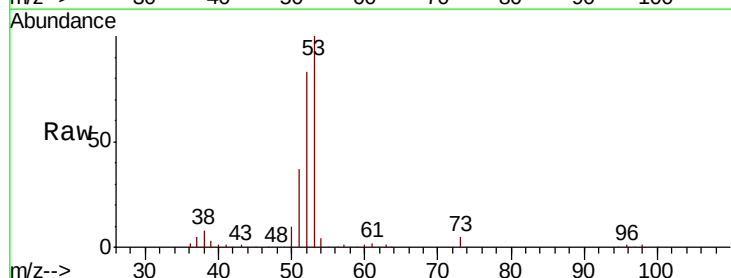
Tgt Ion: 53 Resp: 1184420

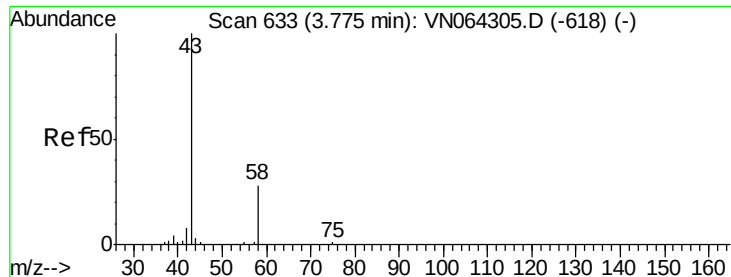
Ion Ratio Lower Upper

53 100

52 82.5 41.7 125.1

51 37.6 19.4 58.2





#15

Acetone

Concen: 732.090 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

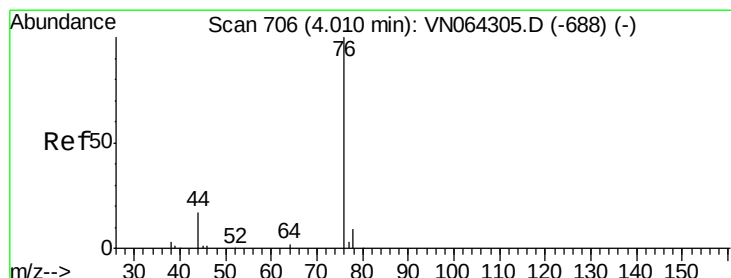
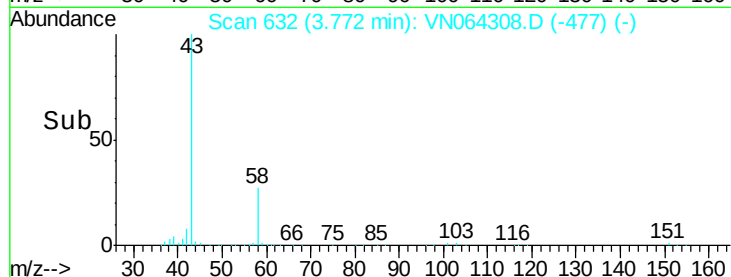
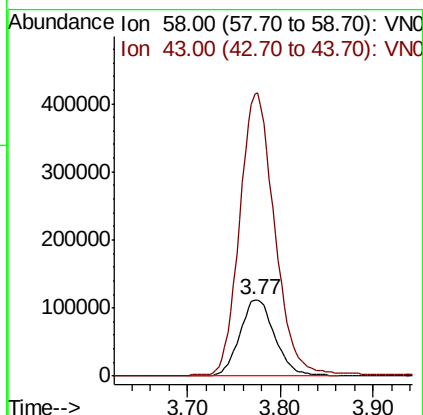
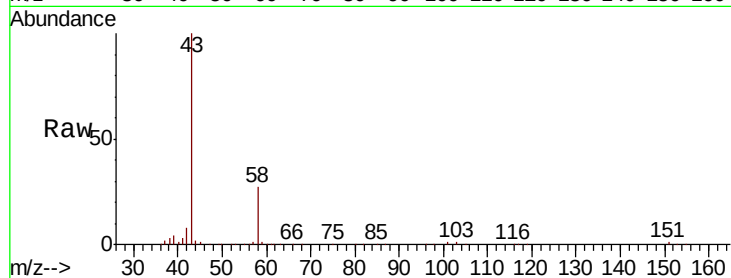
VSTDIC150

Tot Ion: 58 Resp: 293268

Ion Ratio Lower Upper

58 100

43 368.5 289.9 434.9



#16

Carbon Disulfide

Concen: 160.375 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN064308.D

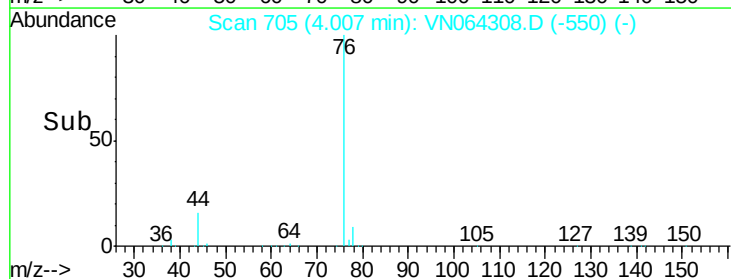
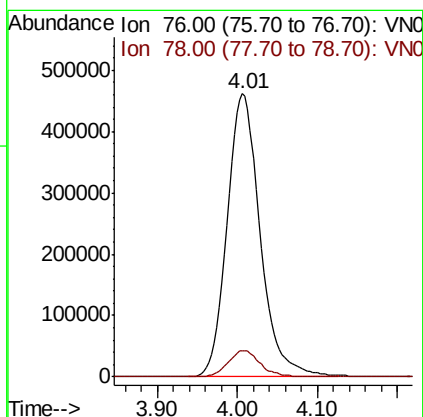
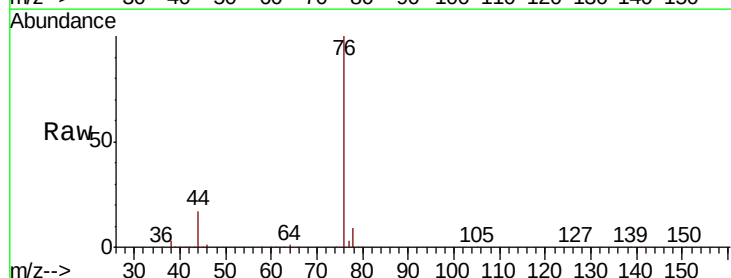
Acq: 26 Oct 2020 17:29

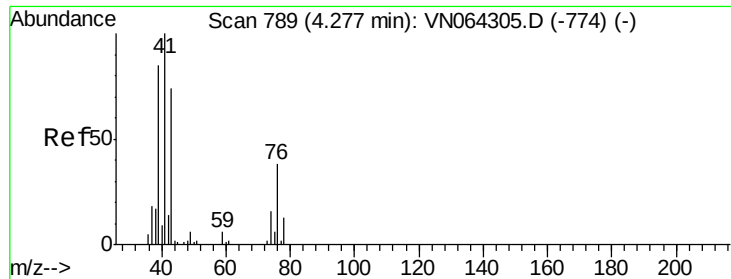
Tgt Ion: 76 Resp: 1296968

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4

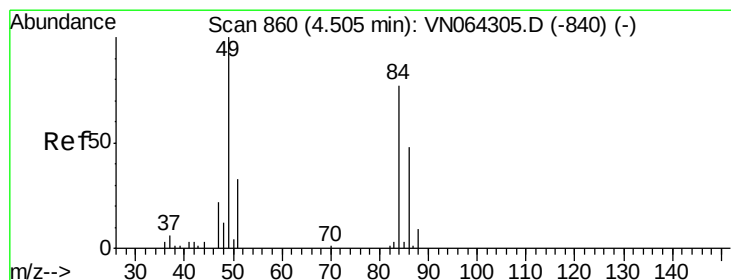
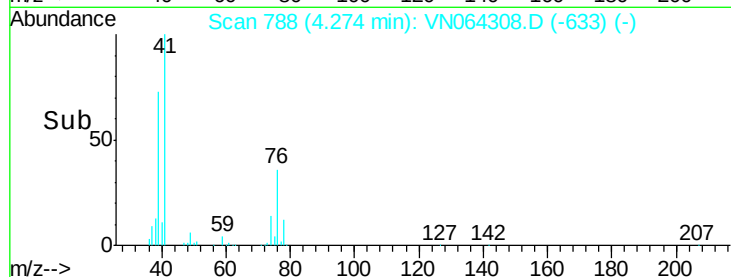
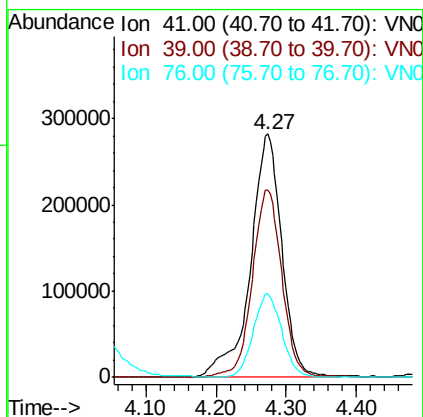
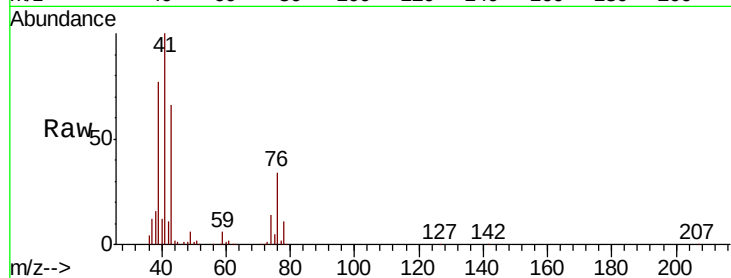




#17
Allvl chloride
Concen: 162.576 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

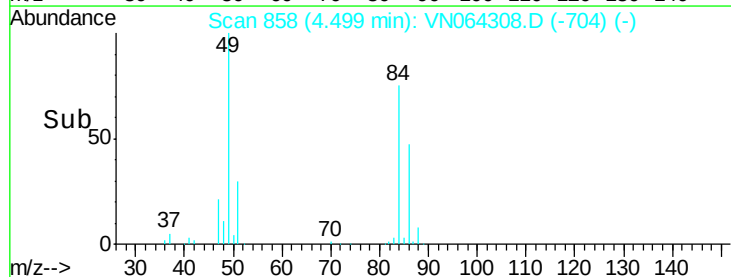
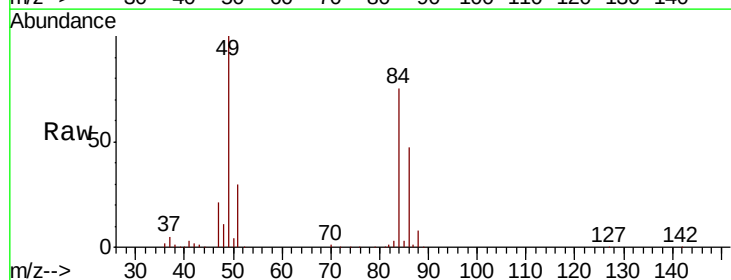
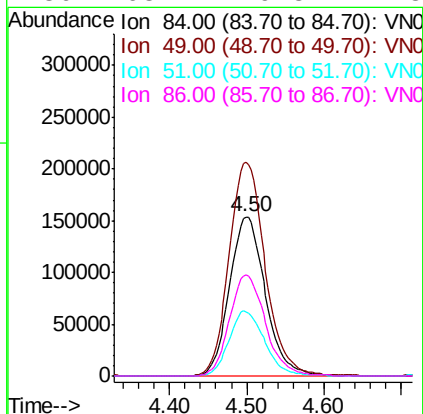
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

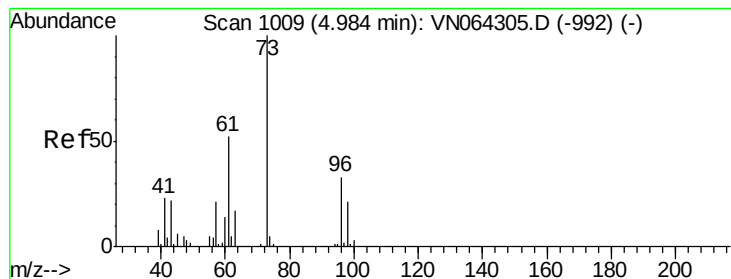
Tot Ion	Ratio	Lower	Upper
41	100		
39	77.0	40.3	120.9
76	34.1	17.6	52.9



#18
Methylene Chloride
Concen: 151.030 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.0	103.1	154.7
51	40.6	33.8	50.8
86	63.4	49.8	74.8





#19

trans-1,2-Dichloroethene

Concen: 152.026 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

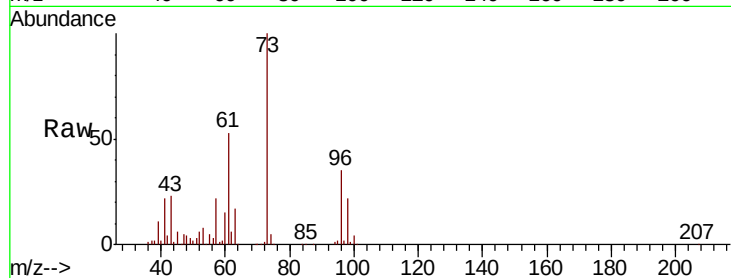
Tot Ion: 96 Resp: 474177

Ion Ratio Lower Upper

96 100

61 149.6 126.9 190.3

98 61.7 50.6 76.0

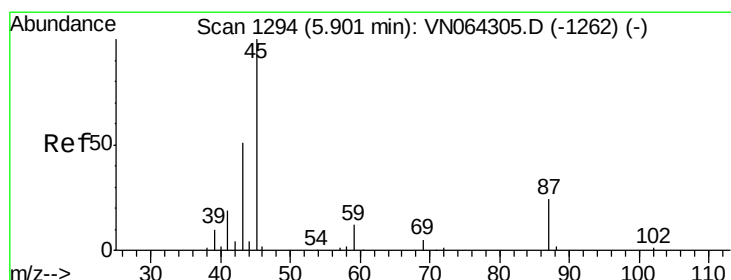
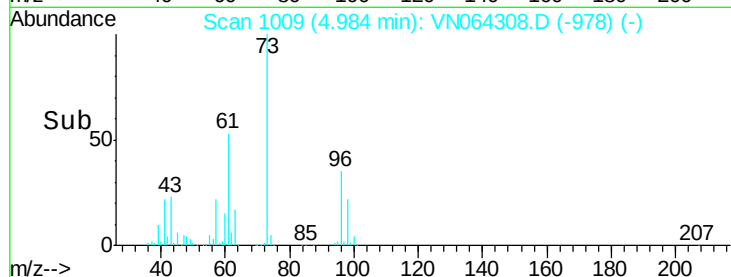
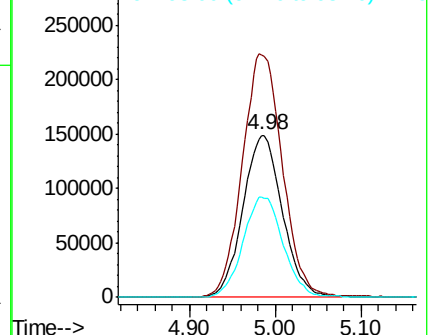


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 165.975 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Tgt Ion: 45 Resp: 1708894

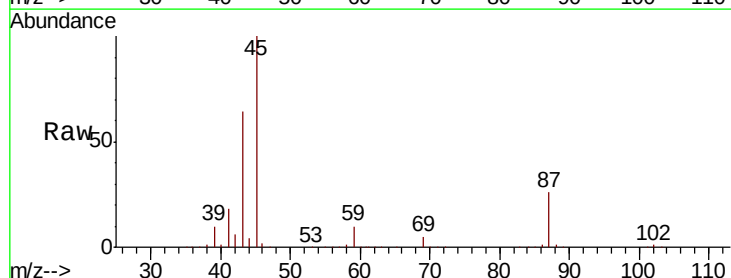
Ion Ratio Lower Upper

45 100

43 62.4 56.6 85.0

87 26.1 20.3 30.5

59 10.1 10.1 15.1



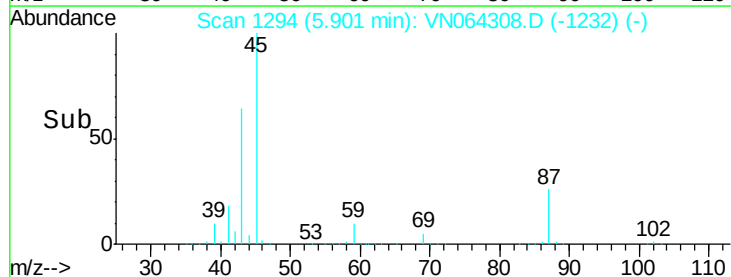
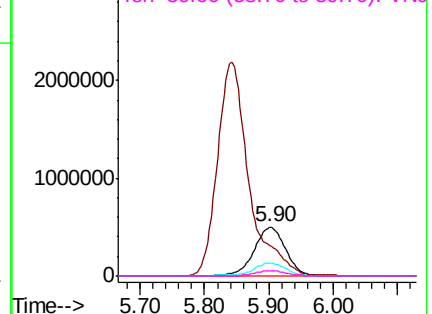
Abundance

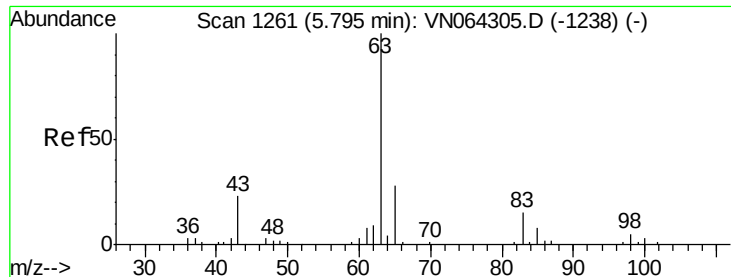
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

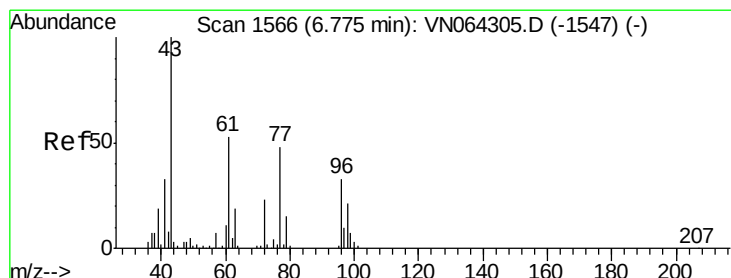
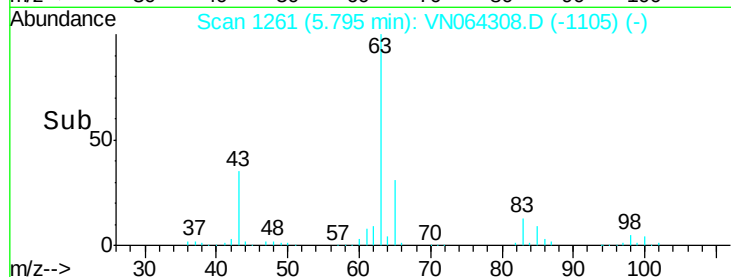
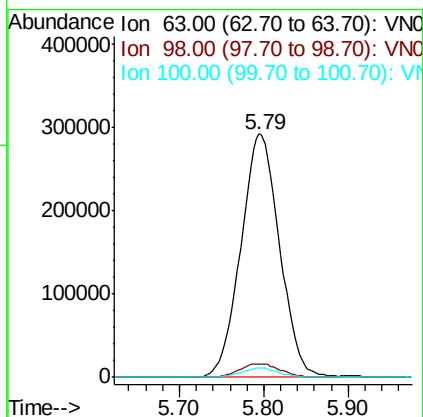
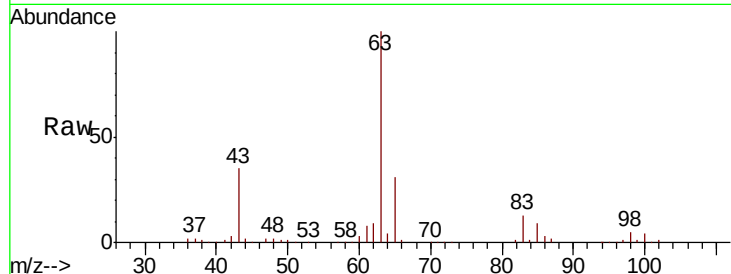




#21
 1,1-Dichloroethane
 Concen: 153.288 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

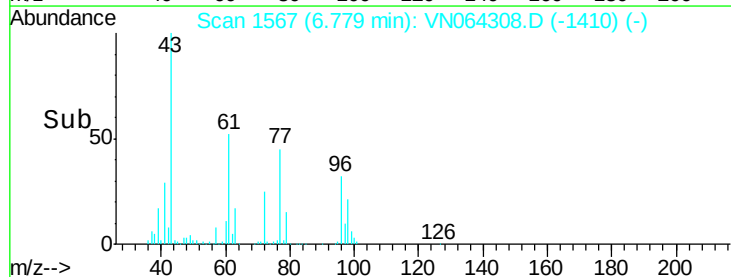
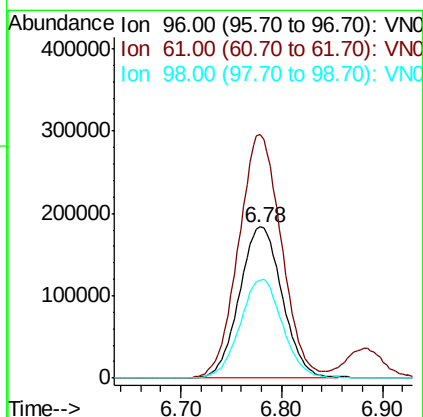
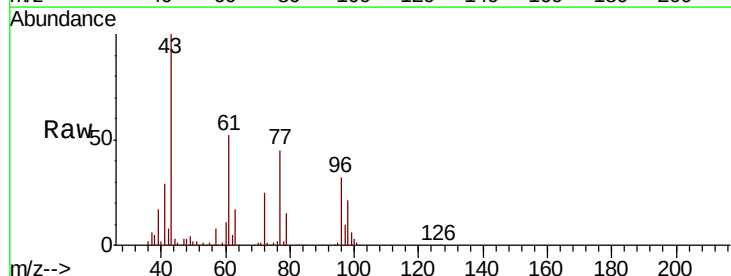
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

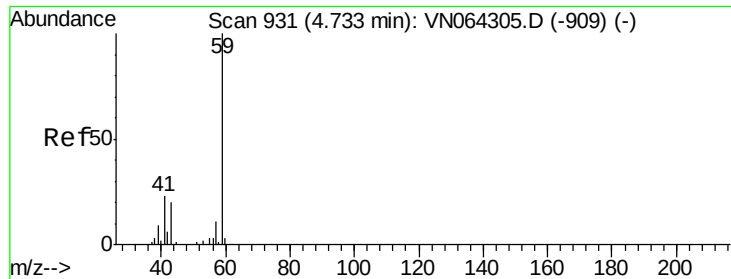
Tot Ion:	63	Resp:	929435
Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.6	8.0
100	3.9	1.6	4.8



#22
 cis-1,2-Dichloroethene
 Concen: 149.452 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

Tgt Ion:	96	Resp:	540868
Ion	Ratio	Lower	Upper
96	100		
61	161.6	133.0	199.6
98	64.6	51.6	77.4



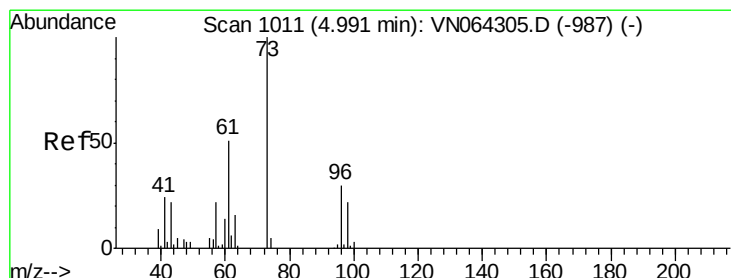
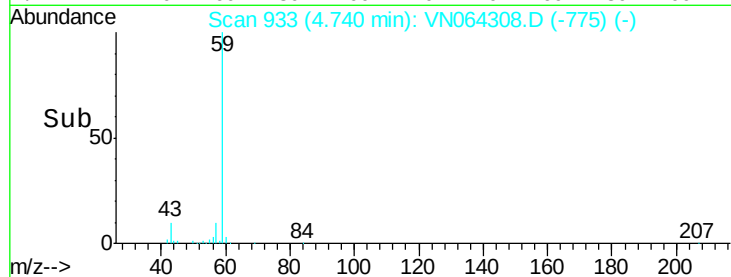
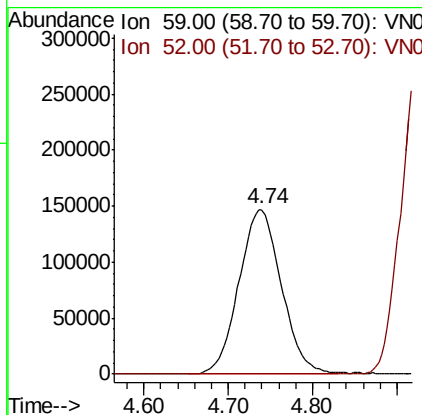
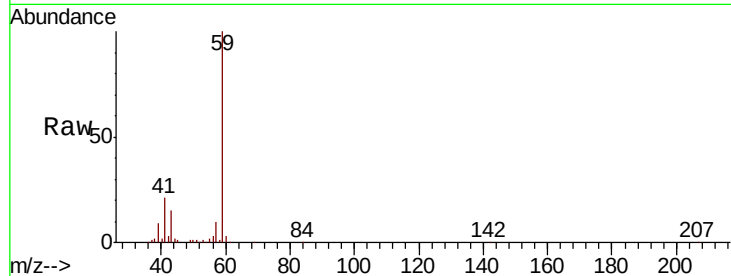


#23

tert-Butyl Alcohol
 Concen: 853.336 ug/l
 RT: 4.74 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

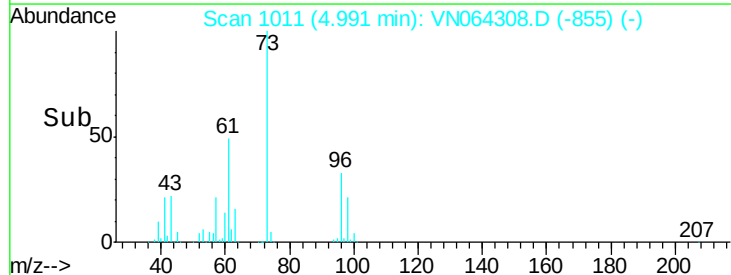
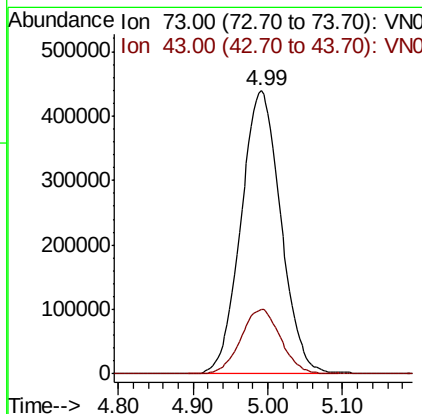
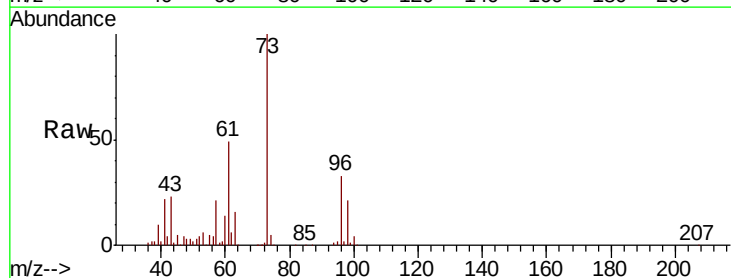
Tot Ion: 59 Resp: 512540
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

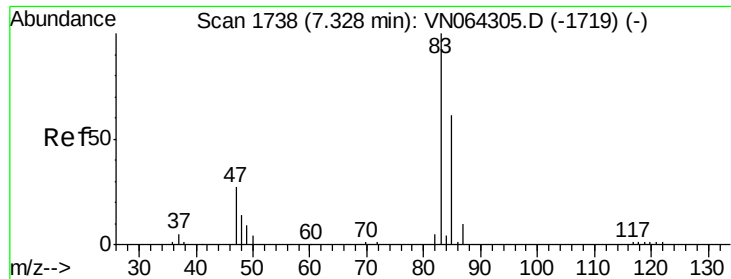


#24

Methyl tert-Butyl Ether
 Concen: 163.776 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

Tgt Ion: 73 Resp: 1623192
 Ion Ratio Lower Upper
 73 100
 43 22.7 19.4 29.2

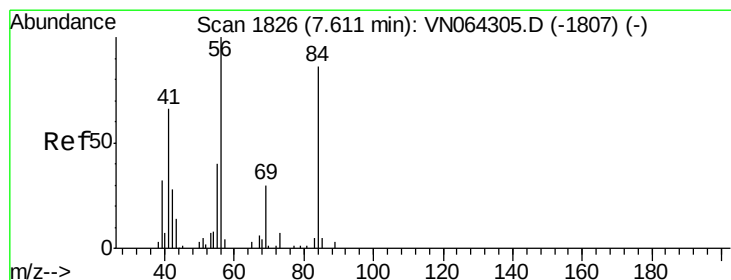
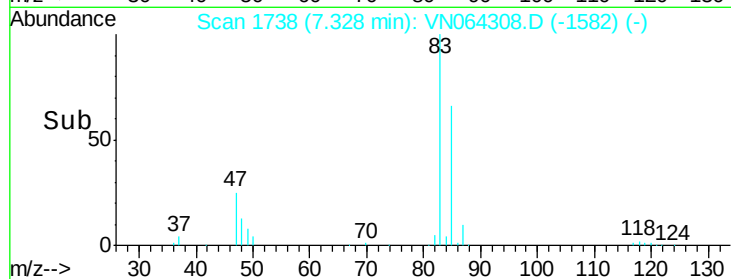
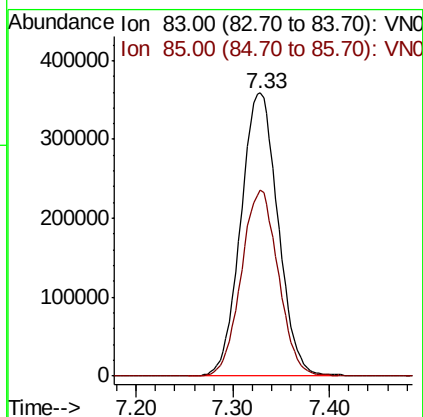
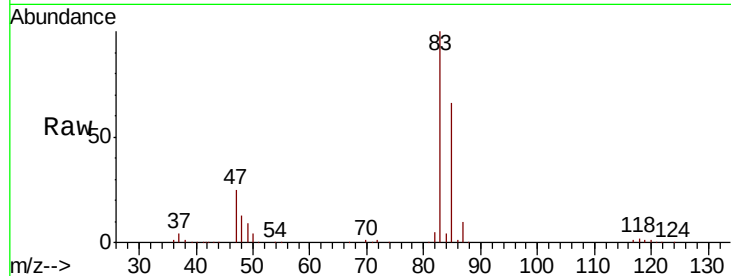




#25
Chloroform
Concen: 146.639 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

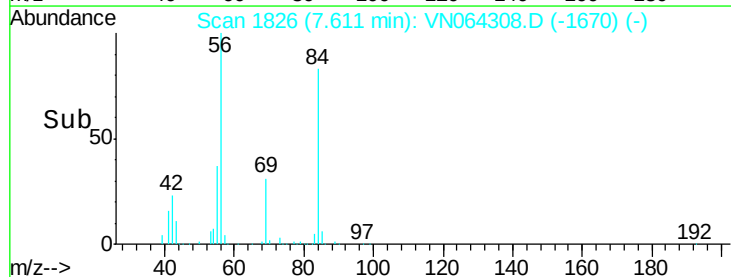
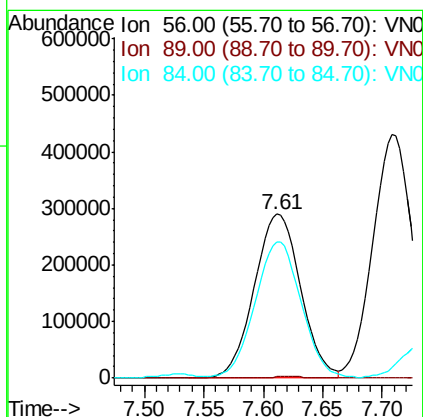
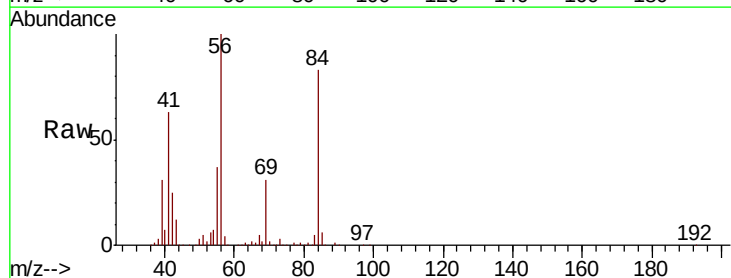
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

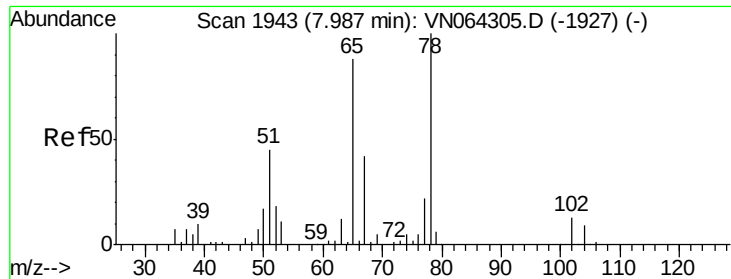
Tot Ion: 83 Resp: 960200
Ion Ratio Lower Upper
83 100
85 65.6 48.6 73.0



#26
Cyclohexane
Concen: 165.563 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion: 56 Resp: 782612
Ion Ratio Lower Upper
56 100
89 0.8 1.0 1.6#
84 83.0 67.5 101.3

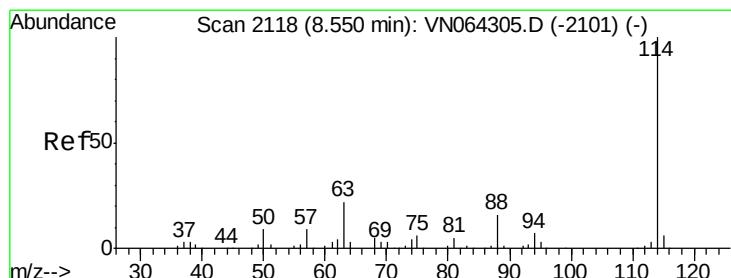
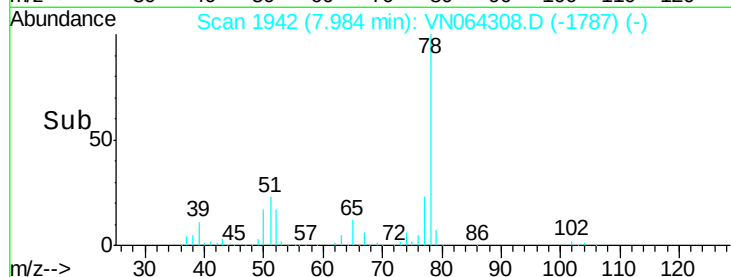
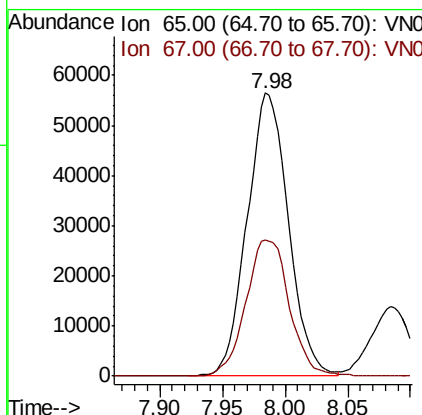
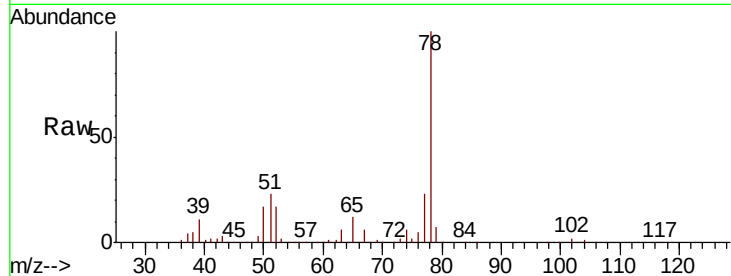




#27
 1,2-Dichloroethane-d4
 Concen: 28.840 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

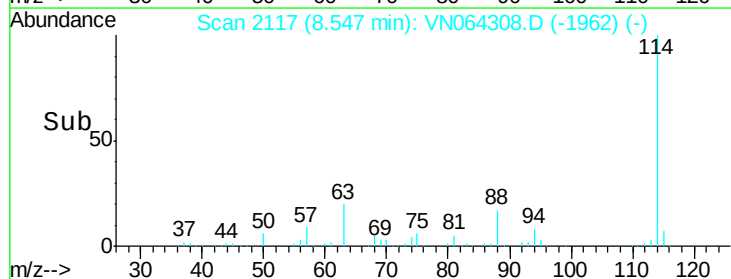
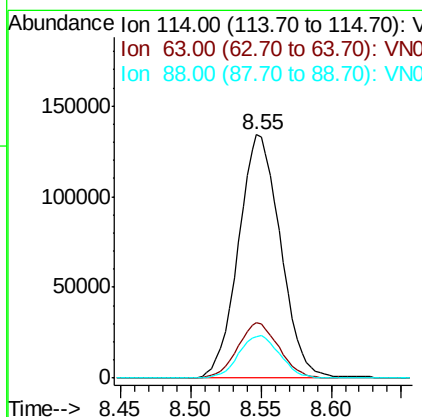
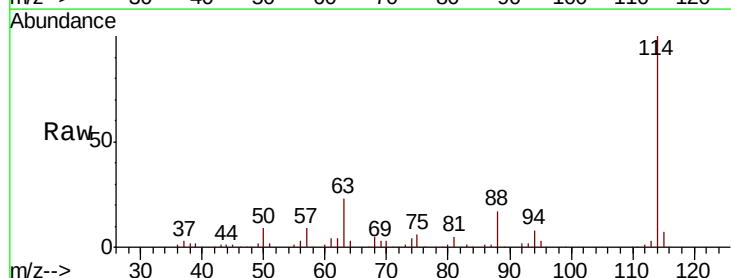
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

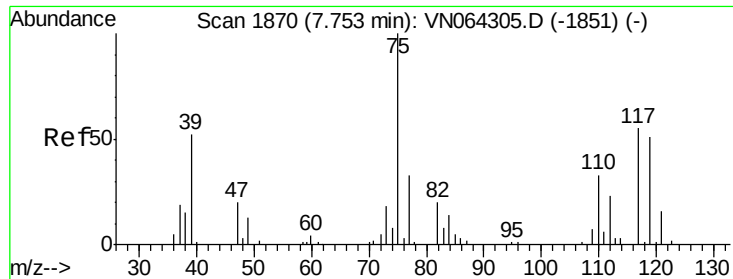
Tot Ion: 65 Resp: 129662
 Ion Ratio Lower Upper
 65 100
 67 50.5 38.5 57.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

Tgt Ion: 114 Resp: 279625
 Ion Ratio Lower Upper
 114 100
 63 22.2 18.3 27.5
 88 17.1 13.2 19.8

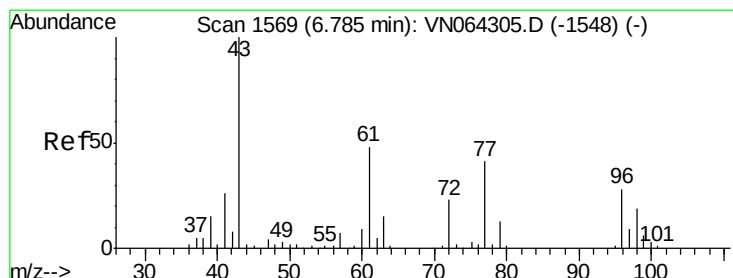
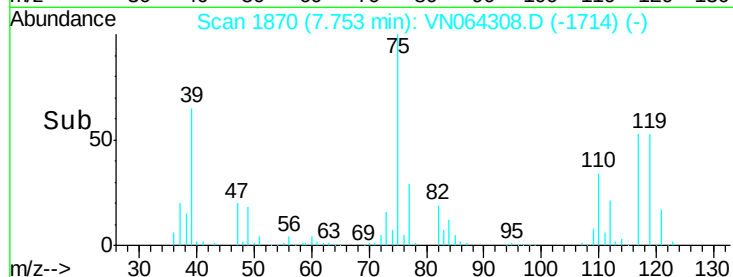
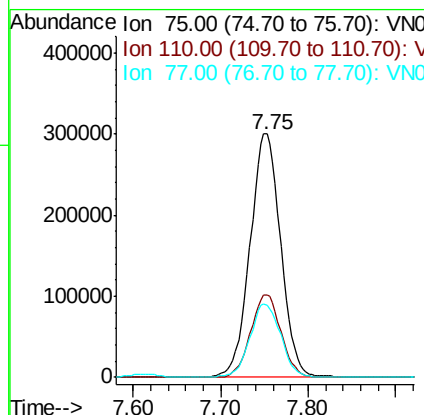
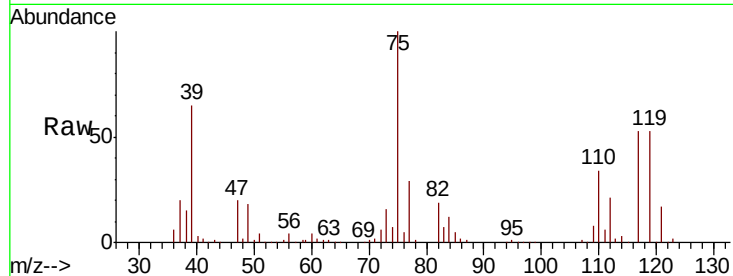




#29
 1,1-Dichloropropene
 Concen: 154.376 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

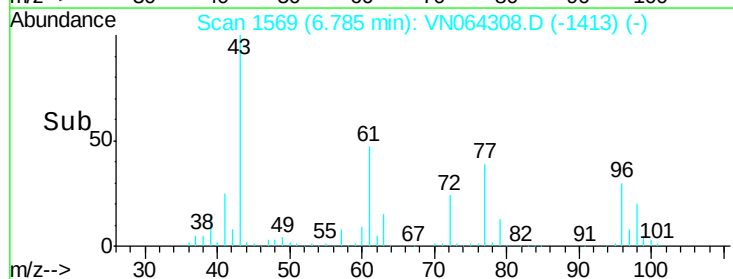
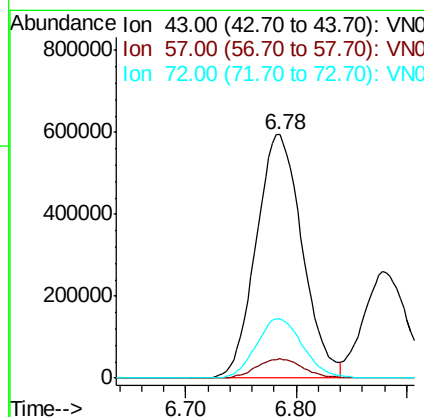
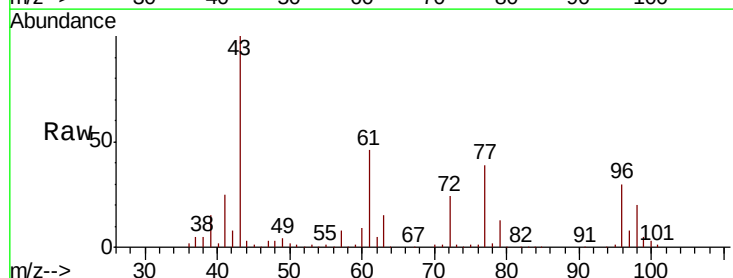
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

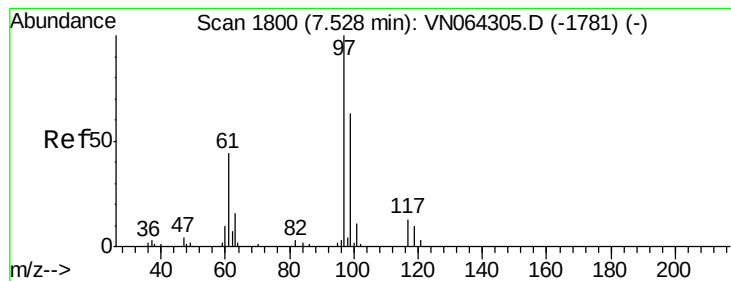
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.4	0.0	64.4
77	30.4	0.0	63.6



#30
 2-Butanone
 Concen: 812.793 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	4.1	6.1#
72	24.8	19.0	28.6





#32

1,1,1-Trichloroethane

Concen: 153.785 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

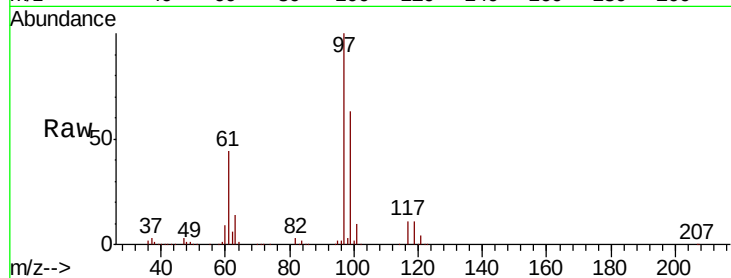
Tot Ion: 97 Resp: 929893

Ion Ratio Lower Upper

97 100

99 63.1 51.6 77.4

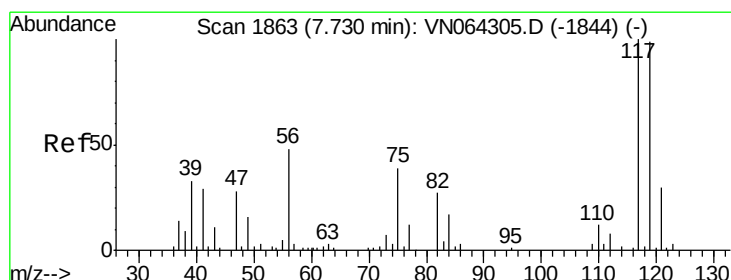
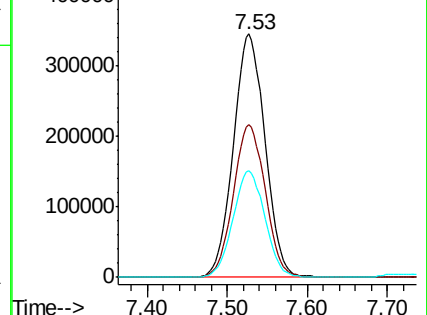
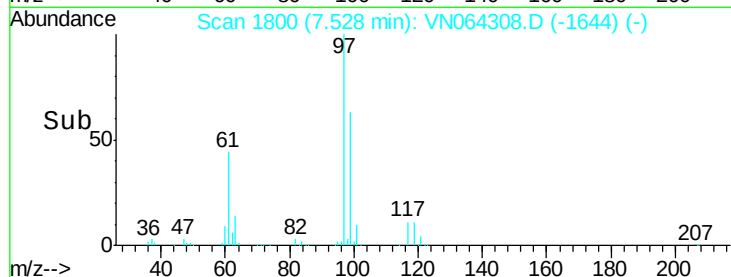
61 44.2 36.4 54.6



Abundance Ion 97.00 (96.70 to 97.70): VN064308.D (-1644) (-)

Ion 99.00 (98.70 to 99.70): VN064308.D (-1644) (-)

Ion 61.00 (60.70 to 61.70): VN064308.D (-1644) (-)



#33

Carbon Tetrachloride

Concen: 154.931 ug/l

RT: 7.73 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

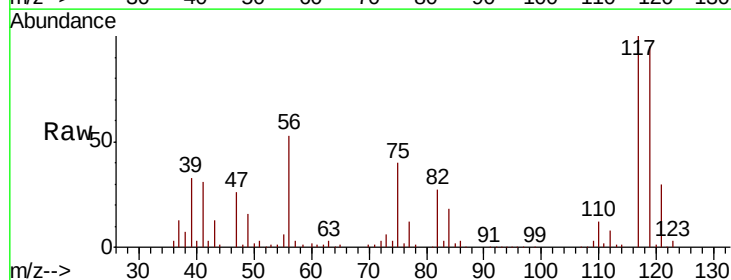
Tgt Ion: 117 Resp: 840573

Ion Ratio Lower Upper

117 100

119 95.0 79.3 118.9

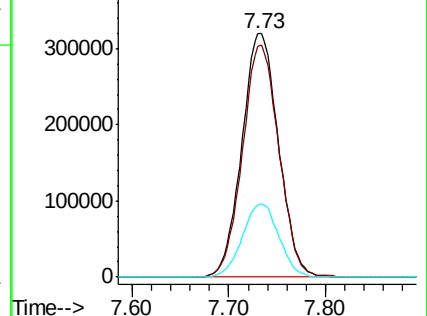
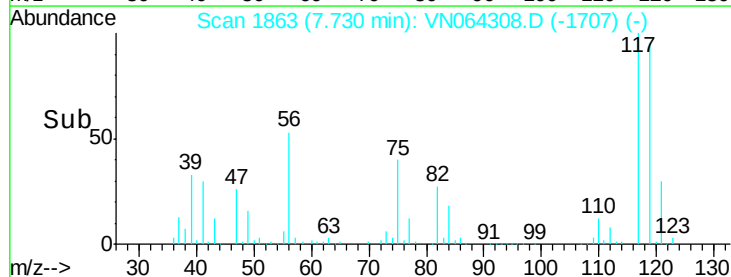
121 29.9 24.6 37.0

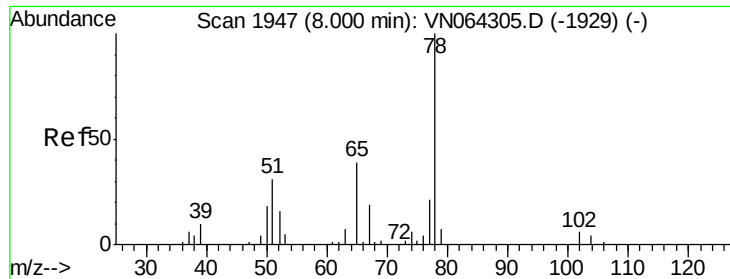


Abundance Ion 117.00 (116.70 to 117.70): VN064308.D (-1707) (-)

Ion 119.00 (118.70 to 119.70): VN064308.D (-1707) (-)

Ion 121.00 (120.70 to 121.70): VN064308.D (-1707) (-)





#34

Benzene

Concen: 154.765 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

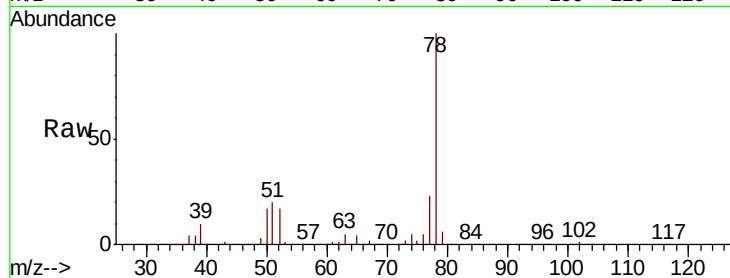
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 78 Resp: 2003046

Ion	Ratio	Lower	Upper
78	100		
77	23.1	16.5	24.7
51	19.6	24.5	36.7#

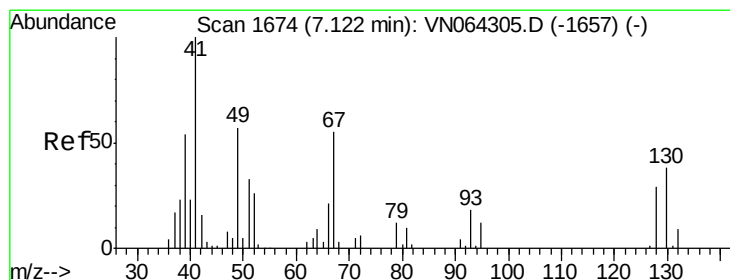
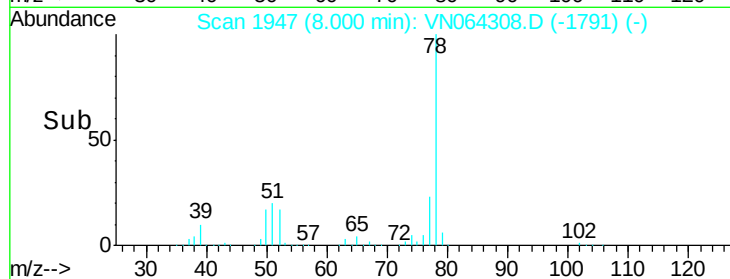
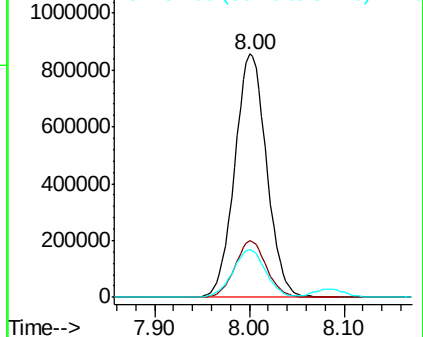


Abundance

Ion 78.10 (77.80 to 78.80): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 51.00 (50.70 to 51.70): VNO



#35

Methacrylonitrile

Concen: 162.381 ug/l

RT: 7.12 min Scan# 1674

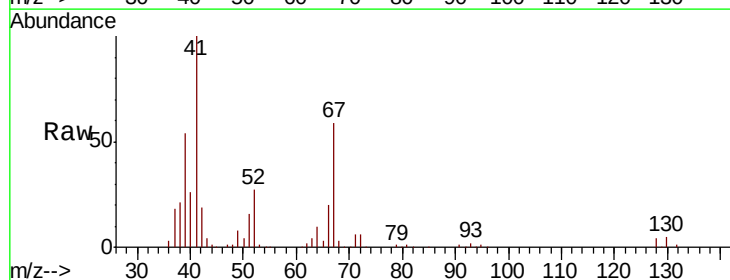
Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Tgt Ion: 41 Resp: 345275

Ion	Ratio	Lower	Upper
41	100		
39	54.1	27.1	81.2
67	59.6	27.7	83.1
52	26.7	13.2	39.5



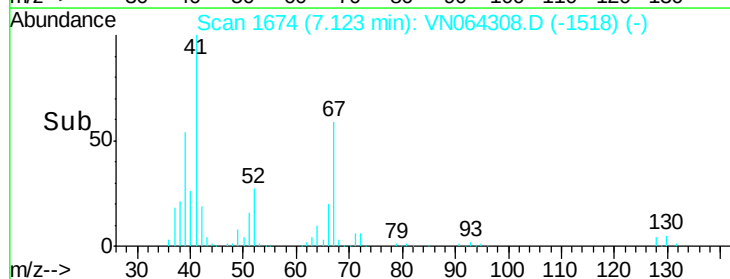
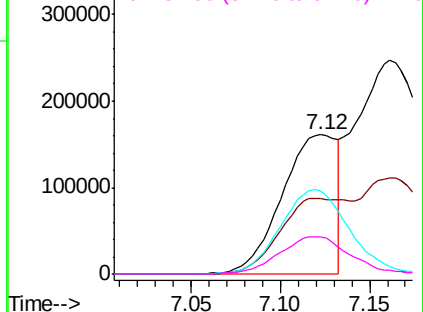
Abundance

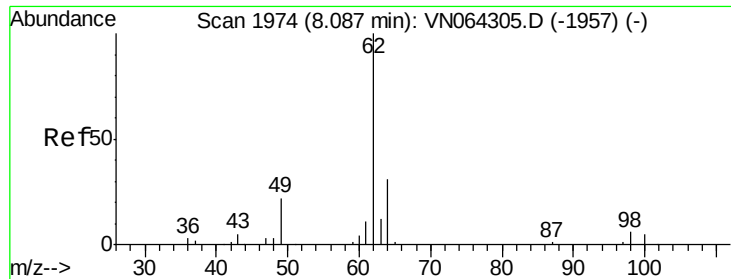
Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

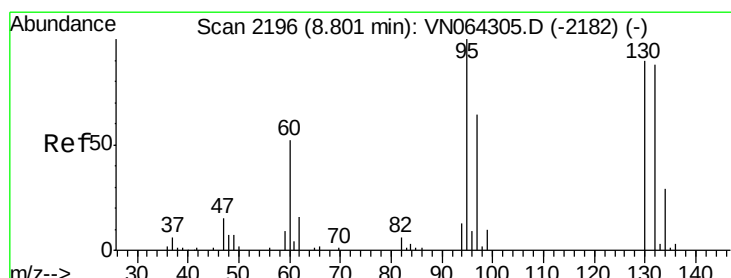
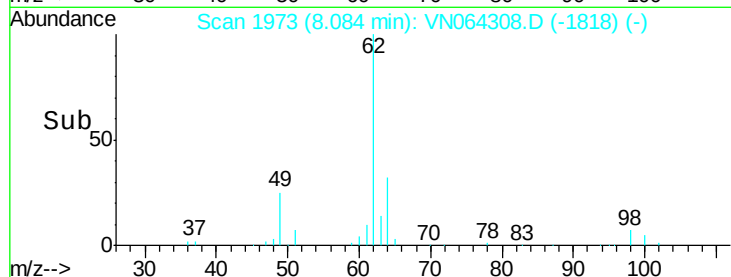
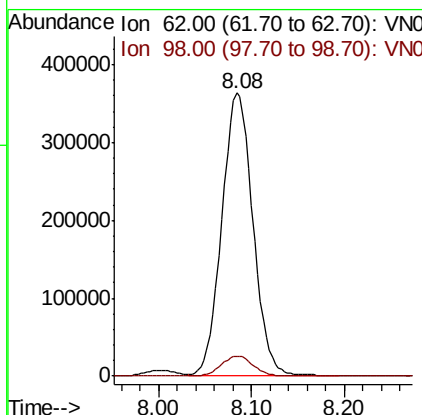
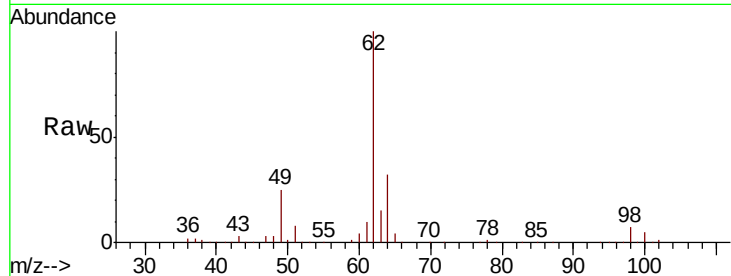




#36
 1,2-Dichloroethane
 Concen: 150.844 ug/l
 RT: 8.08 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

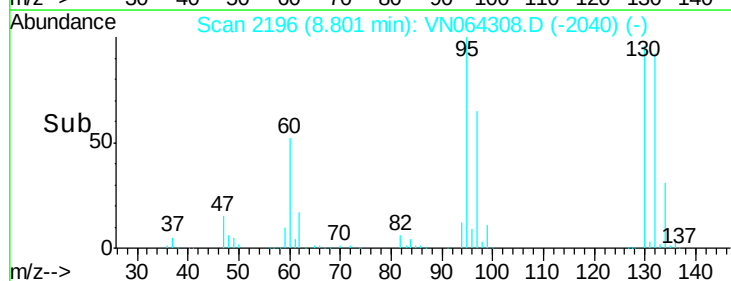
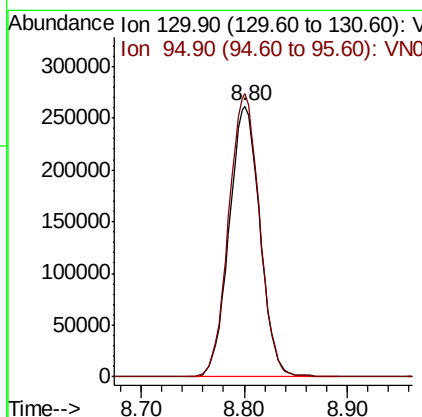
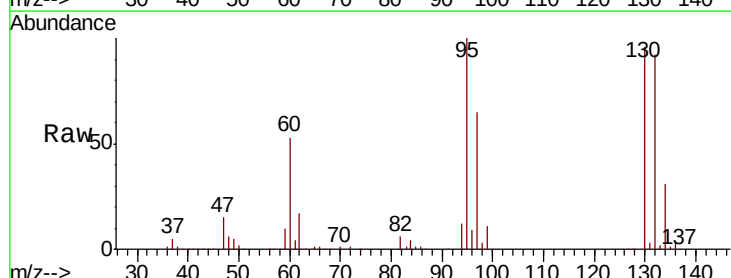
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

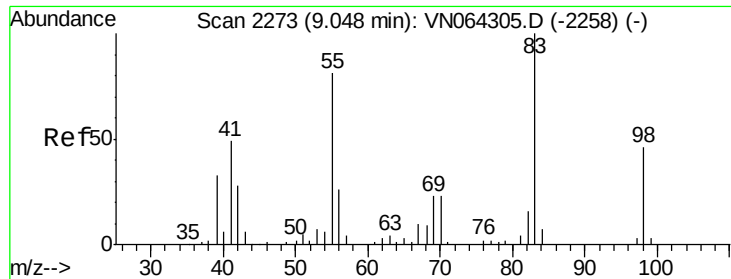
Tot Ion: 62 Resp: 844643
 Ion Ratio Lower Upper
 62 100
 98 7.2 3.4 5.0#



#37
 Trichloroethene
 Concen: 154.196 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

Tgt Ion:130 Resp: 544611
 Ion Ratio Lower Upper
 130 100
 95 104.5 88.8 133.2

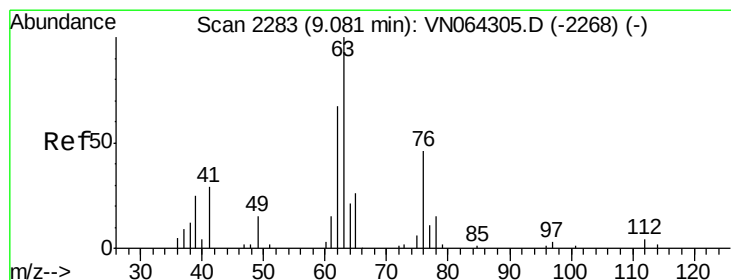
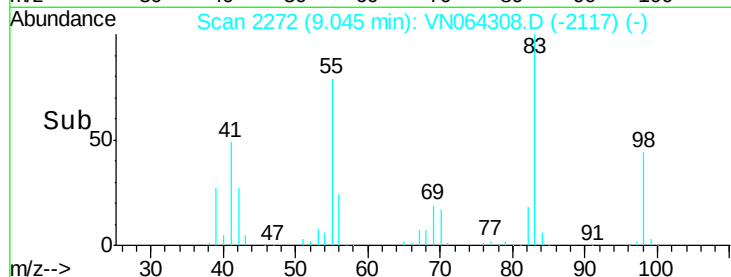
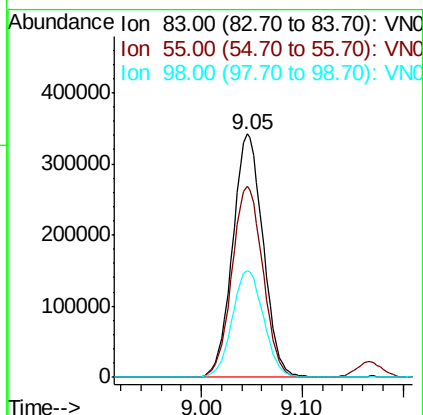
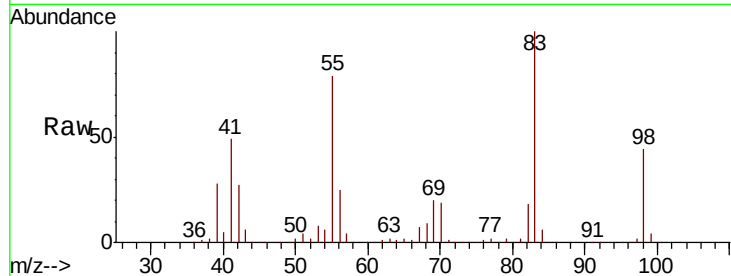




#38
Methylvlcyclohexane
Concen: 164.953 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

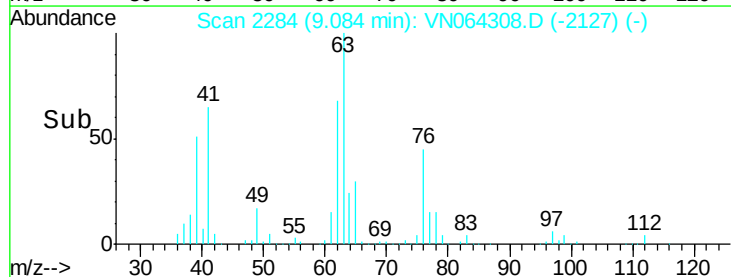
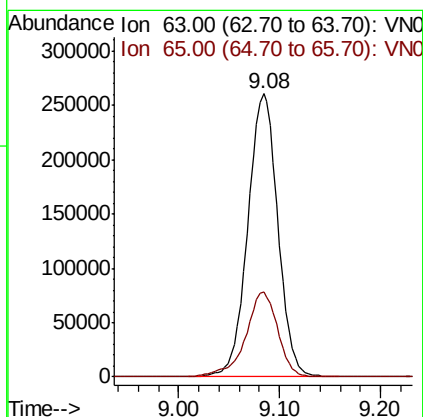
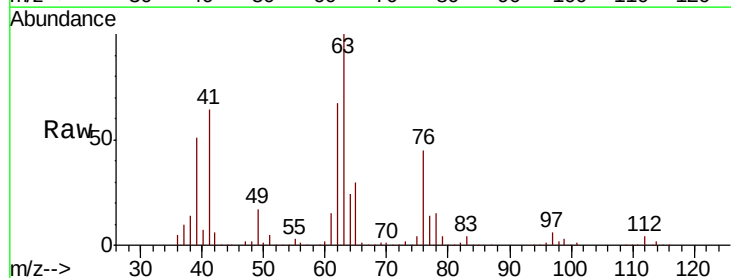
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

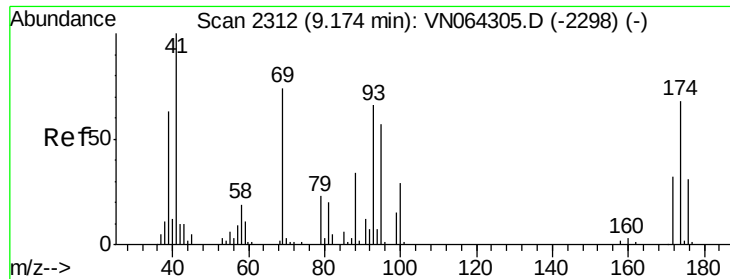
Tot Ion	83.00	Resp	716935
Ion	Ratio	Lower	Upper
83	100		
55	79.6	40.3	120.8
98	45.2	22.8	68.3



#39
1,2-Dichloropropane
Concen: 153.809 ug/l
RT: 9.08 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion	63.00	Resp	536379
Ion	Ratio	Lower	Upper
63	100		
65	29.8	22.6	33.8





#40

Dibromomethane

Concen: 152.796 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

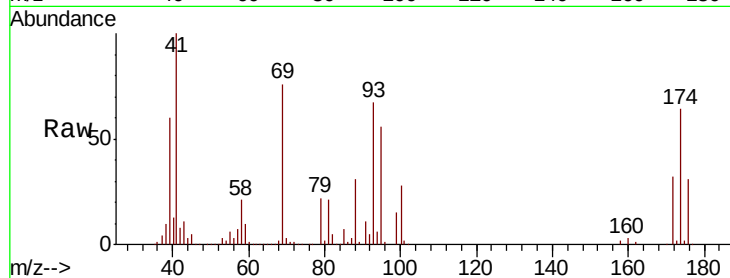
Tot Ion: 93 Resp: 368695

Ion Ratio Lower Upper

93 100

95 84.1 0.0 174.4

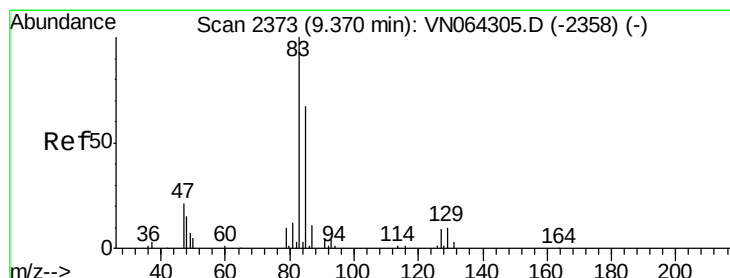
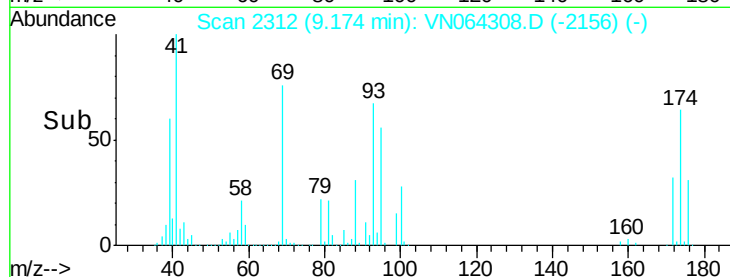
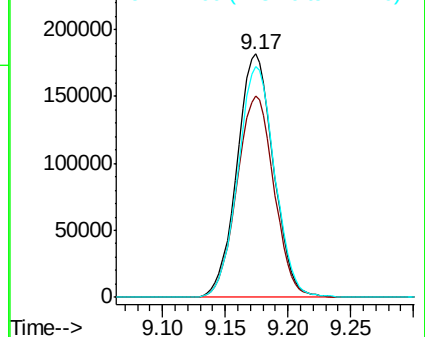
174 95.3 0.0 188.0



Abundance Ion 93.00 (92.70 to 93.70): VN064308.D (-2156) (-)

Ion 95.00 (94.70 to 95.70): VN064308.D (-2156) (-)

Ion 174.00 (173.70 to 174.70): VN064308.D (-2156) (-)



#41

Bromodichloromethane

Concen: 154.888 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

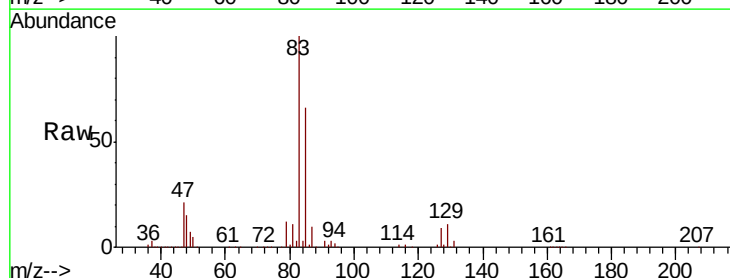
Tgt Ion: 83 Resp: 809206

Ion Ratio Lower Upper

83 100

85 65.8 53.4 80.0

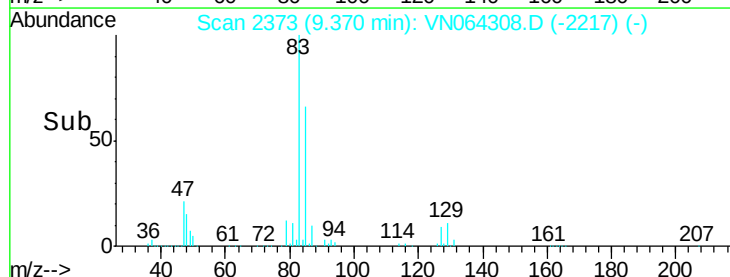
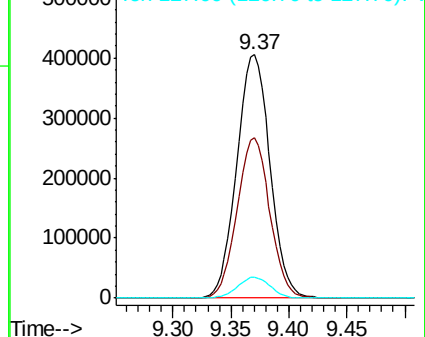
127 8.7 7.0 10.4

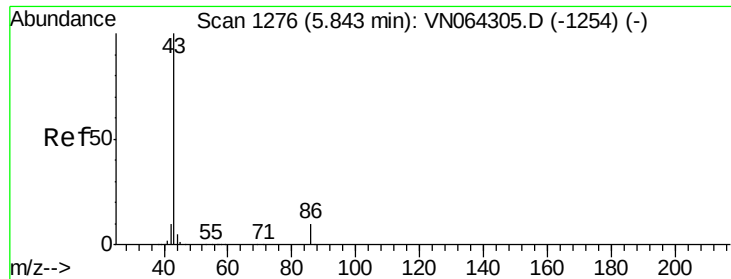


Abundance Ion 83.00 (82.70 to 83.70): VN064308.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN064308.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064308.D (-2217) (-)





#42

Vinyl Acetate

Concen: 802.610 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

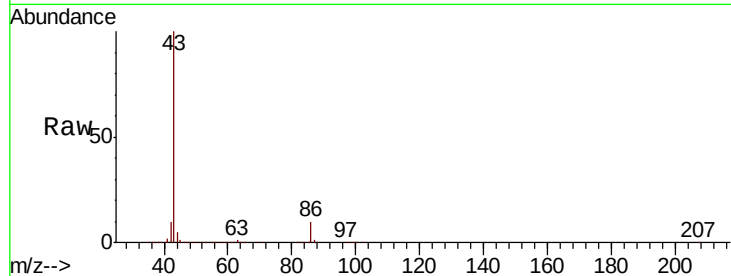
VSTDIC150

Tot Ion: 43 Resp: 7461170

Ion Ratio Lower Upper

43 100

86 8.3 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN064308.D (-1120) (-)

Ion 86.00 (85.70 to 86.70): VN064308.D (-1120) (-)

2500000

2000000

1500000

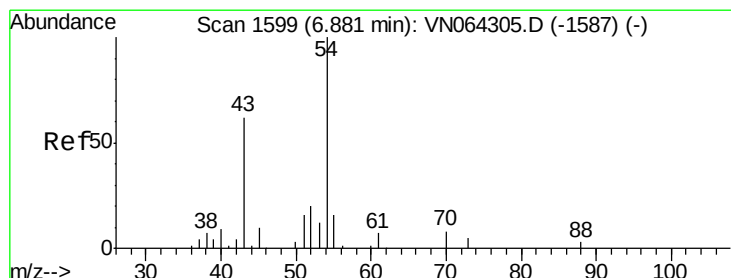
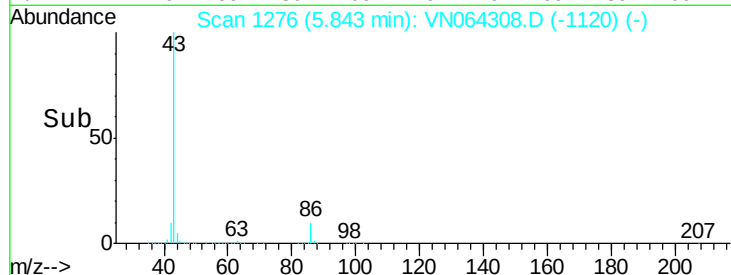
1000000

500000

0

5.70 5.80 5.90 6.00

Time-->



#43

Ethyl Acetate

Concen: 161.858 ug/l

RT: 6.88 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VN064308.D

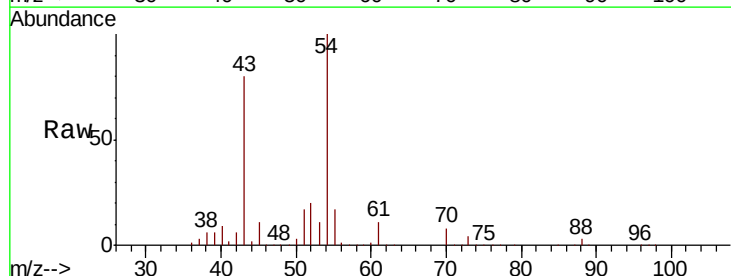
Acq: 26 Oct 2020 17:29

Tgt Ion: 43 Resp: 724365

Ion Ratio Lower Upper

43 100

45 14.5 4.0 6.0#



Abundance Ion 43.00 (42.70 to 43.70): VN064308.D (-1443) (-)

Ion 45.00 (44.70 to 45.70): VN064308.D (-1443) (-)

600000

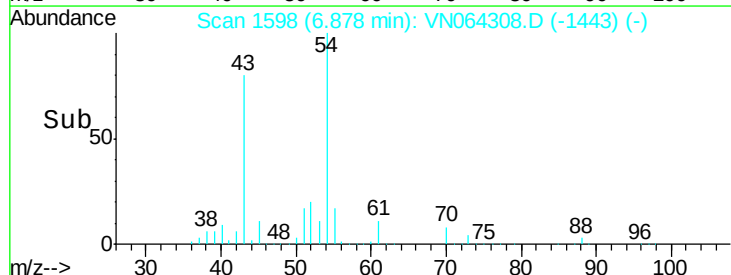
400000

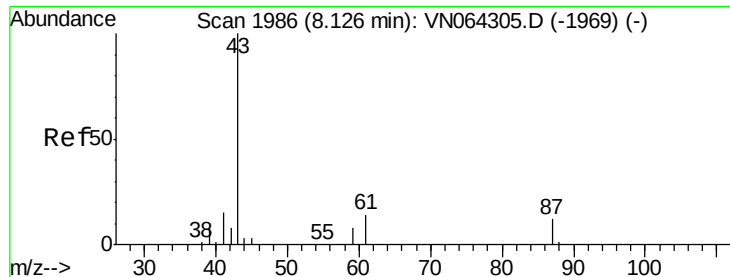
200000

0

6.80 6.90 7.00

Time-->





#44

Isopropyl Acetate

Concen: 161.417 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

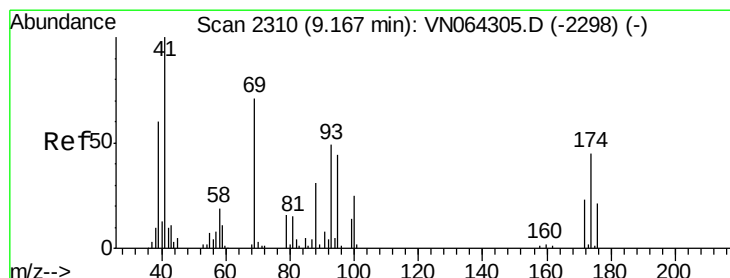
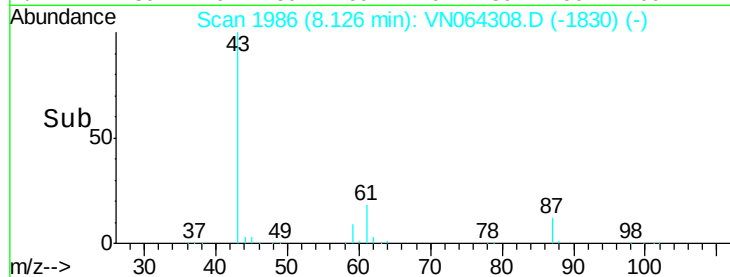
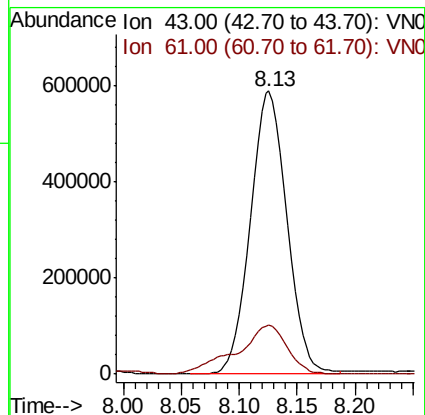
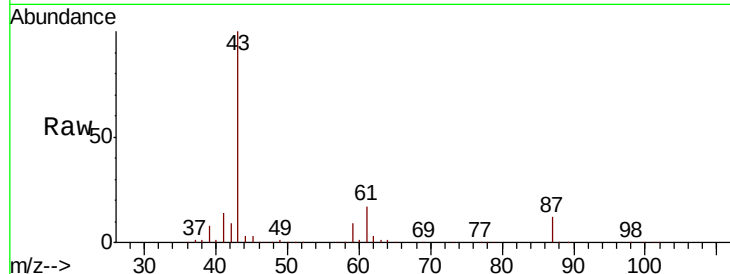
VSTDIC150

Tot Ion: 43 Resp: 1290886

Ion Ratio Lower Upper

43 100

61 23.6 14.3 21.5#



#45

1,4-Dioxane

Concen: 3820.023 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

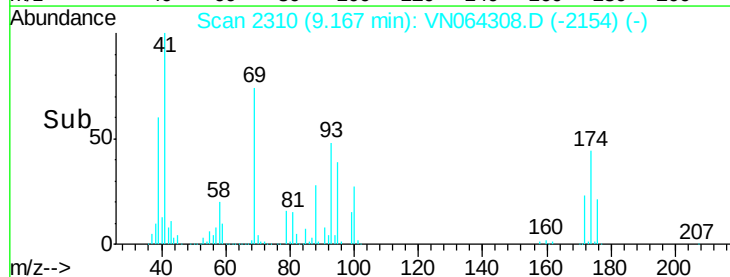
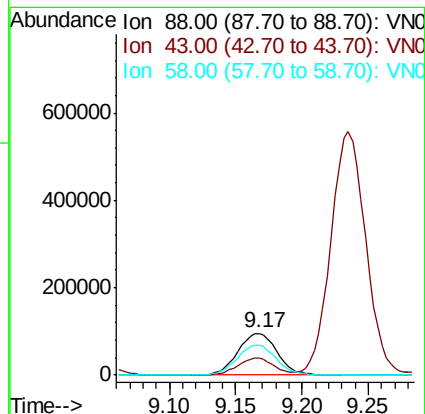
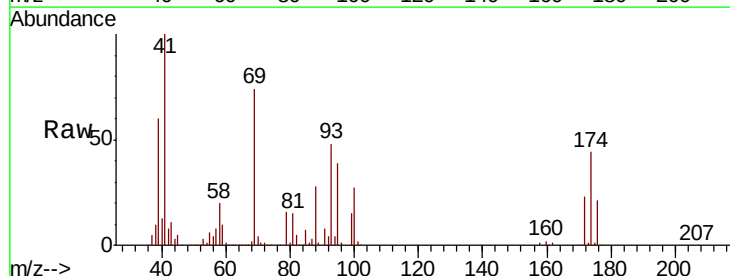
Tgt Ion: 88 Resp: 196945

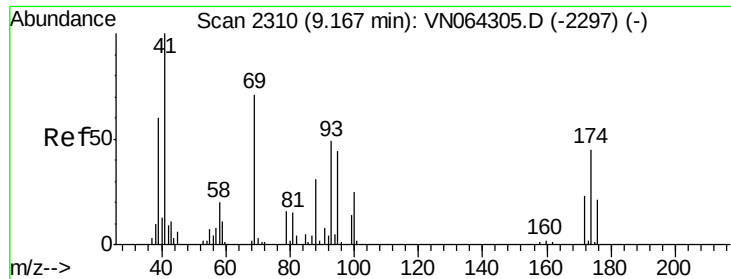
Ion Ratio Lower Upper

88 100

43 37.1 31.2 46.8

58 71.8 55.4 83.2

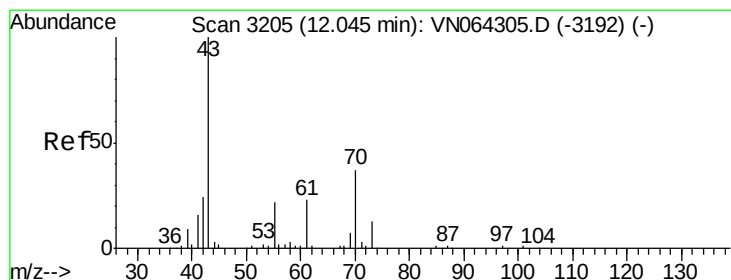
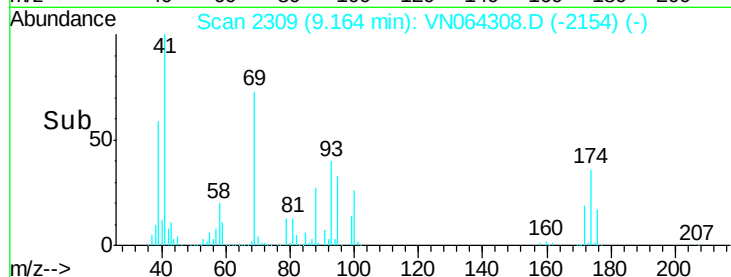
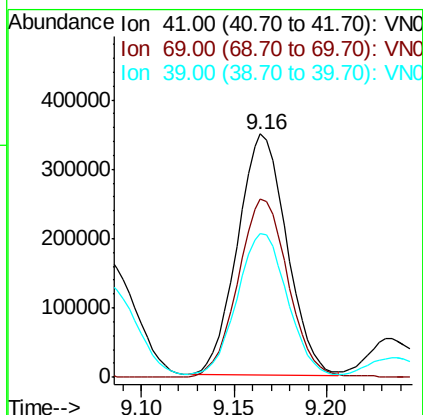
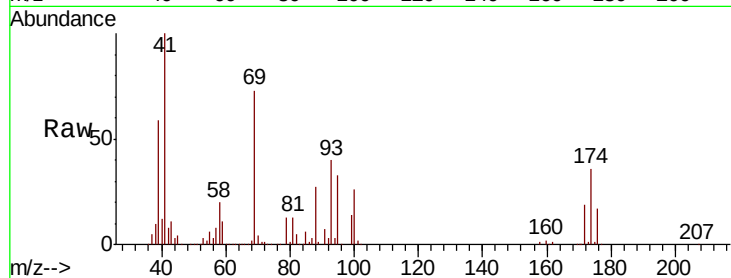




#46
Methvl methacrylate
Concen: 165.381 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

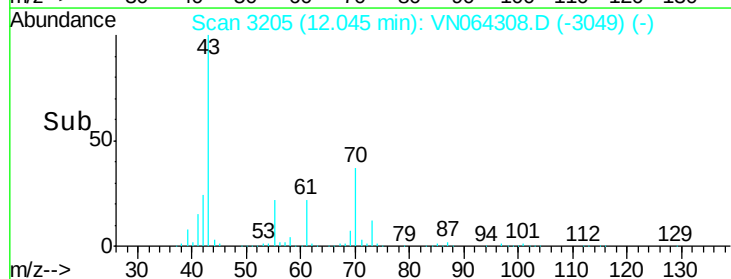
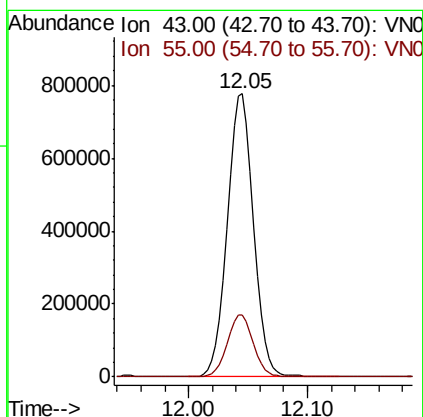
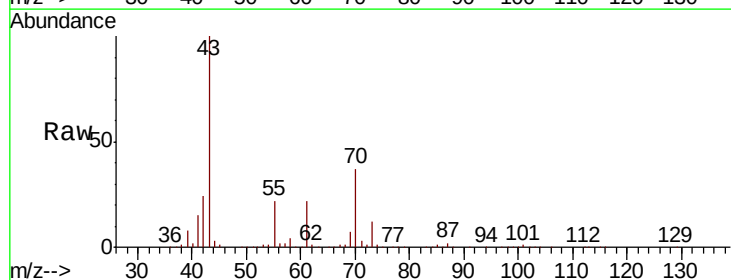
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

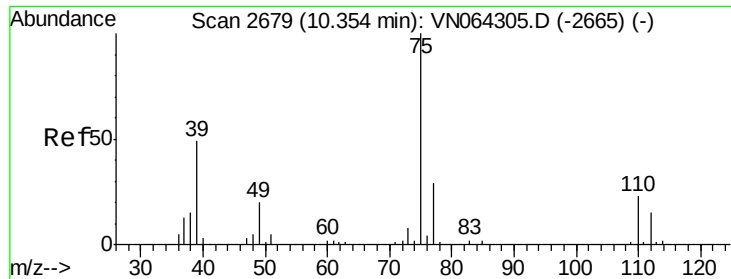
Tot Ion: 41 Resp: 642899
Ion Ratio Lower Upper
41 100
69 74.0 35.3 105.9
39 58.8 30.2 90.6



#47
n-amyI Acetate
Concen: 170.423 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion: 43 Resp: 1180373
Ion Ratio Lower Upper
43 100
55 21.8 17.3 25.9

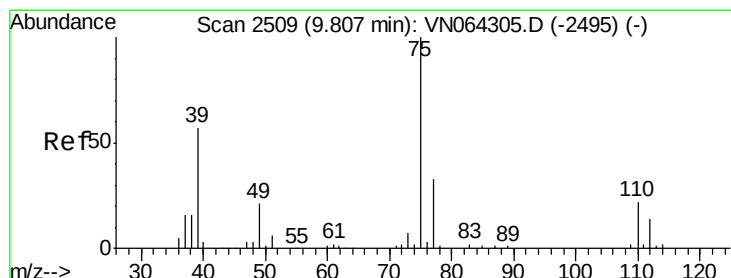
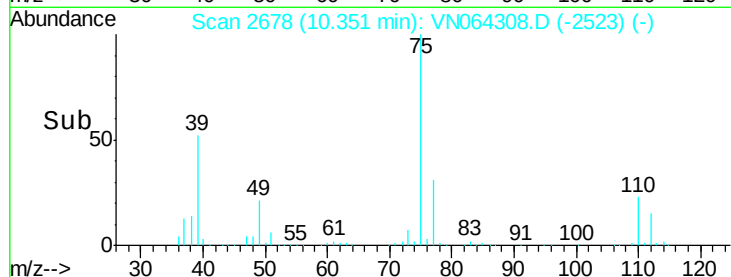
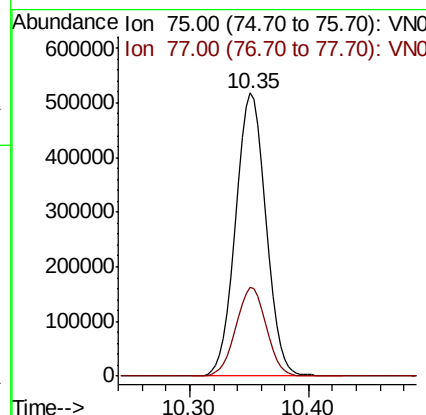
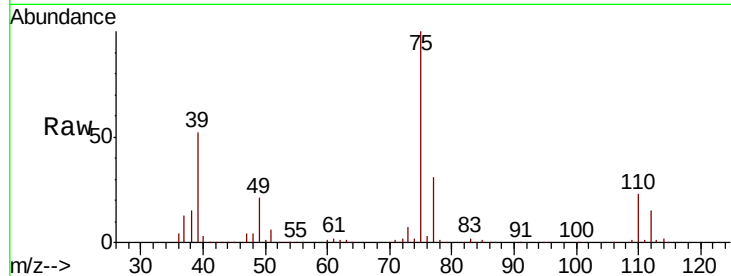




#48
t-1,3-Dichloropropene
Concen: 156.157 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

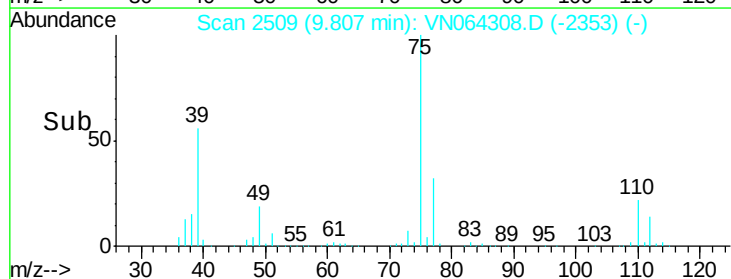
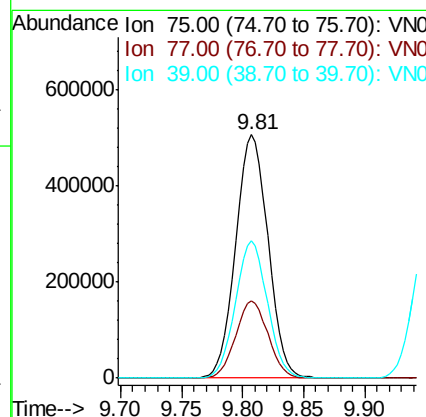
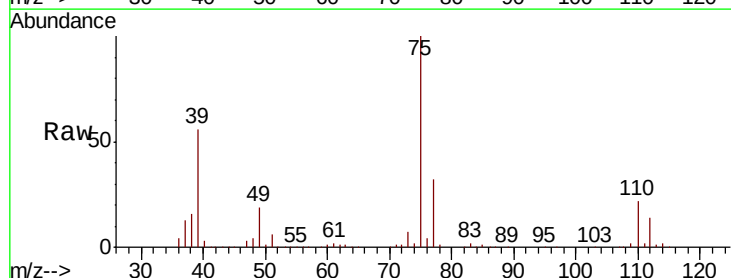
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

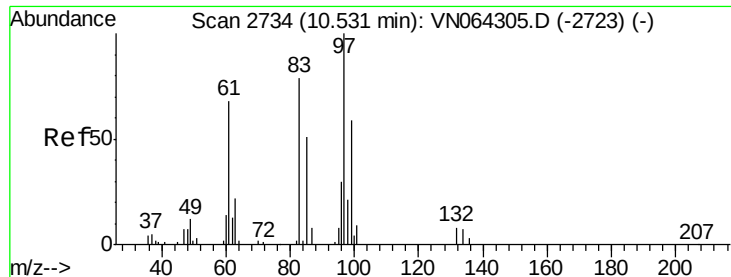
Tot Ion: 75 Resp: 916817
Ion Ratio Lower Upper
75 100
77 31.2 23.7 35.5



#49
cis-1,3-Dichloropropene
Concen: 154.217 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion: 75 Resp: 936364
Ion Ratio Lower Upper
75 100
77 31.6 26.7 40.1
39 56.4 45.9 68.9

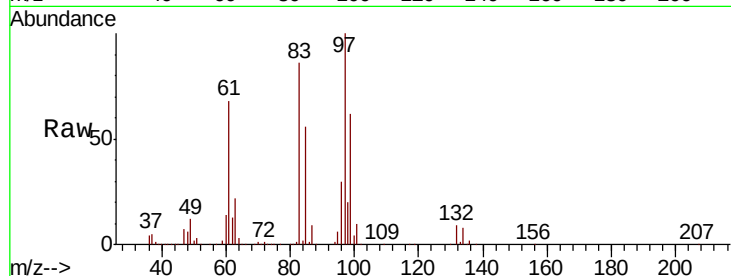




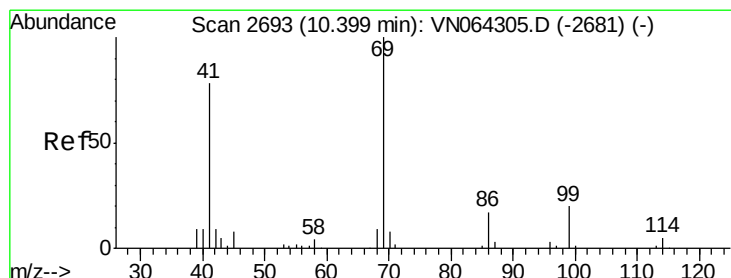
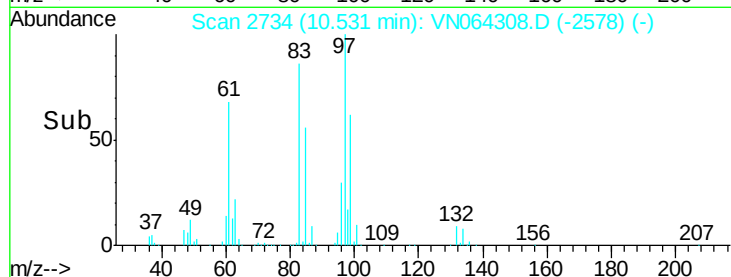
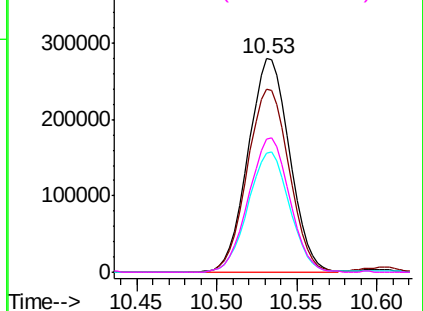
#50
 1,1,2-Trichloroethane
 Concen: 154.872 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 97 Resp: 499535
 Ion Ratio Lower Upper
 97 100
 83 85.7 63.2 94.8
 85 55.8 41.0 61.6
 99 62.2 47.4 71.0

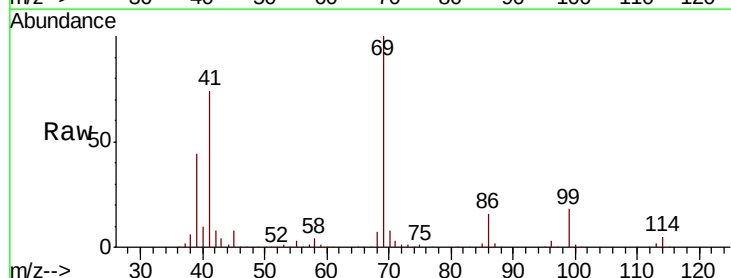


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

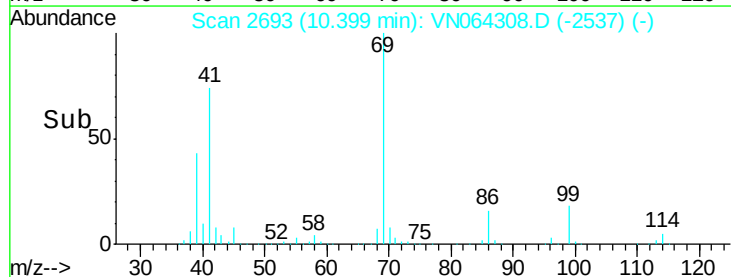
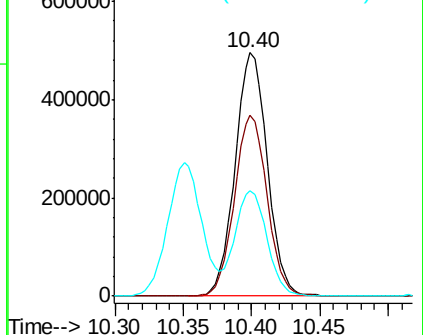


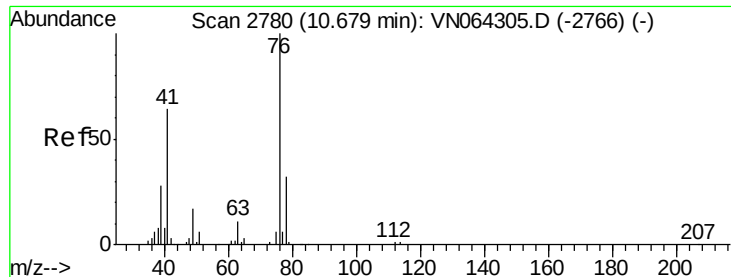
#51
 Ethyl methacrylate
 Concen: 163.916 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

Tgt Ion: 69 Resp: 813794
 Ion Ratio Lower Upper
 69 100
 41 74.1 38.8 116.4
 39 43.3 24.6 74.0



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





#52

1,3-Dichloropropane

Concen: 154.905 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

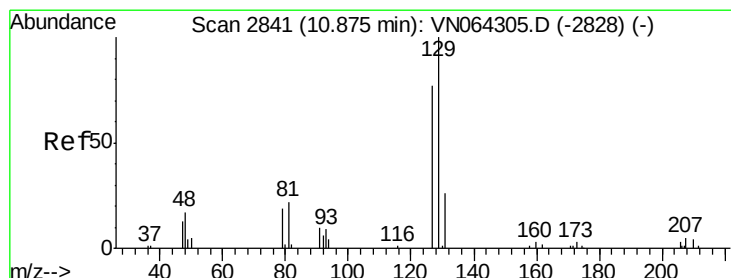
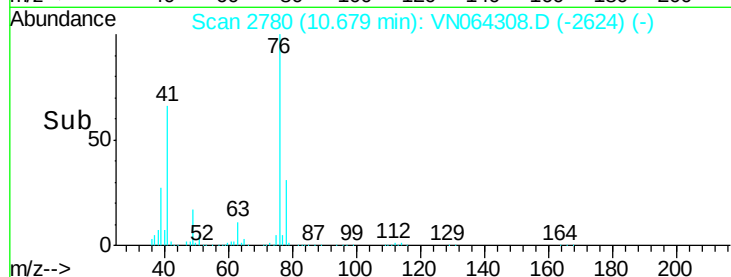
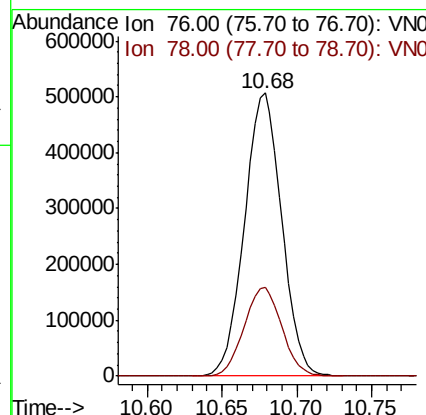
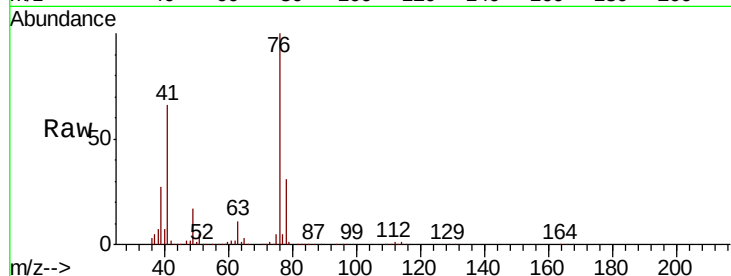
VSTDIC150

Tot Ion: 76 Resp: 877899

Ion Ratio Lower Upper

76 100

78 31.8 0.0 61.6



#53

Dibromochloromethane

Concen: 160.674 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064308.D

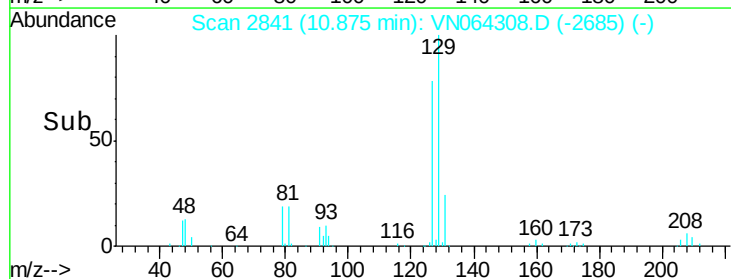
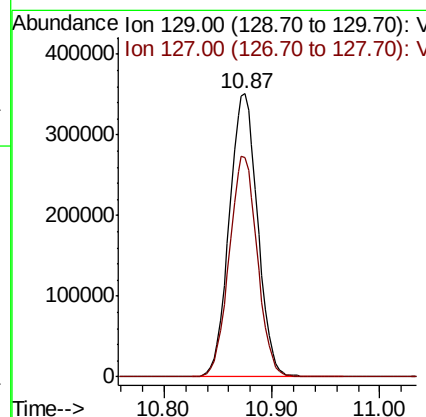
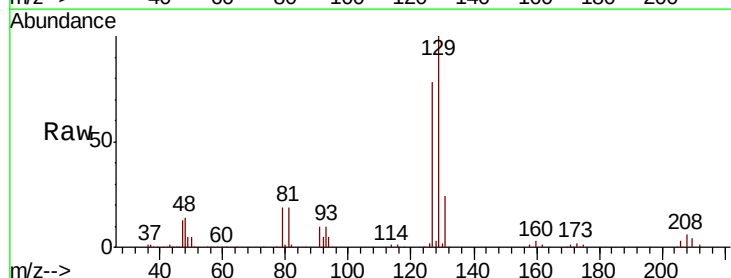
Acq: 26 Oct 2020 17:29

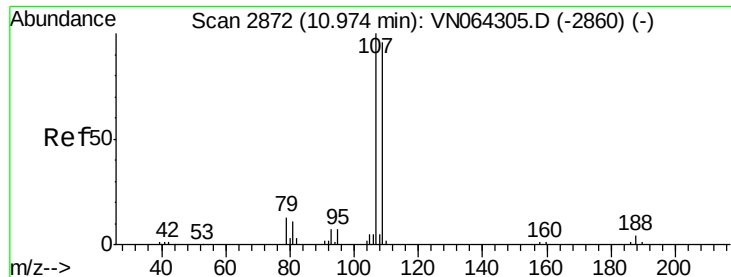
Tgt Ion: 129 Resp: 642232

Ion Ratio Lower Upper

129 100

127 77.3 38.9 116.7

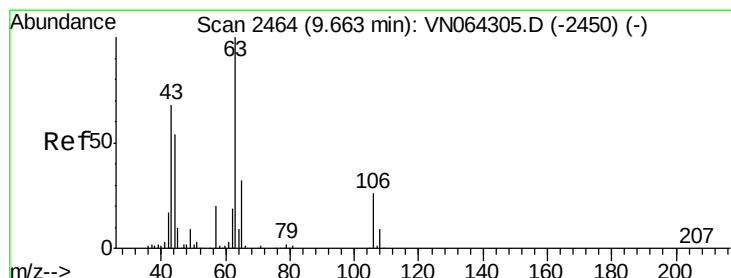
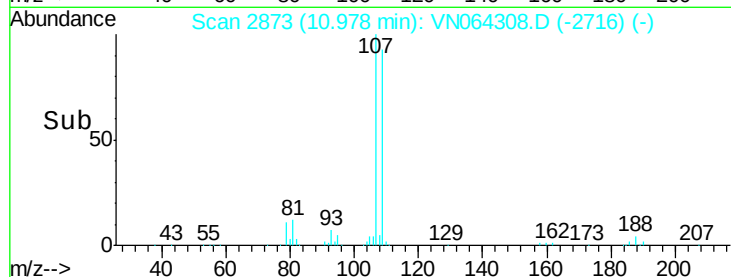
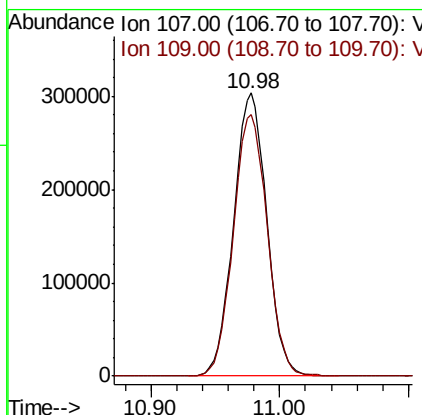
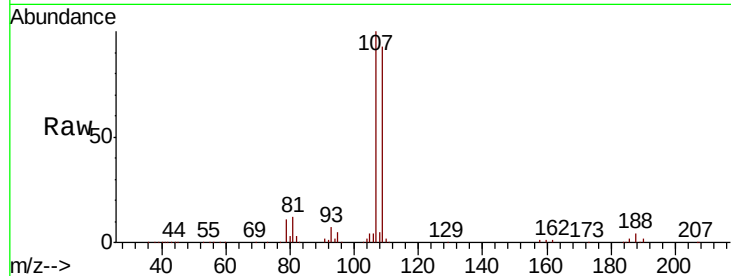




#54
 1,2-Dibromoethane
 Concen: 157.145 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

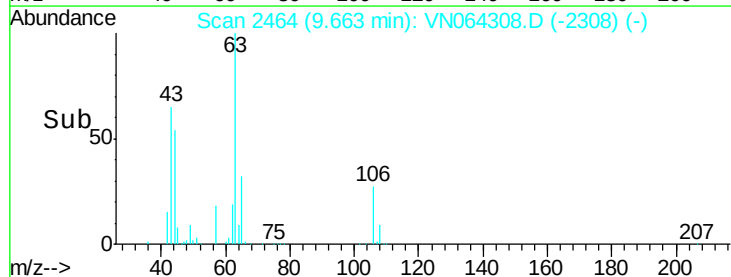
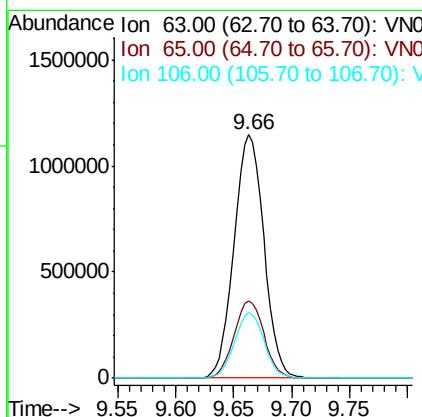
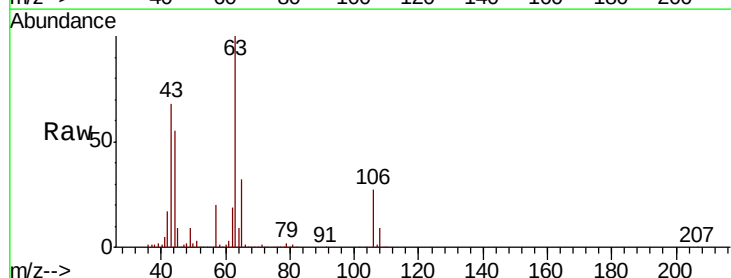
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

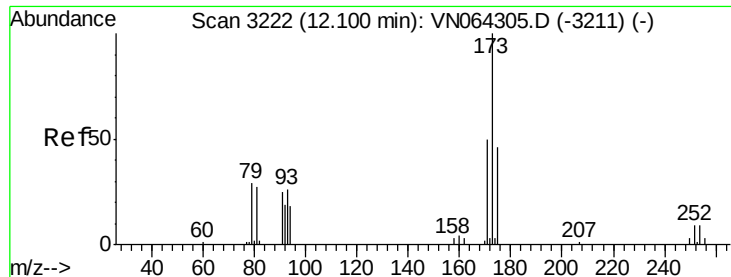
Tot Ion:107 Resp: 541963
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.8 112.2



#55
 2-Chloroethyl vinyl ether
 Concen: 792.131 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

Tgt Ion: 63 Resp: 2047386
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.6 38.4
 106 26.6 20.7 31.1

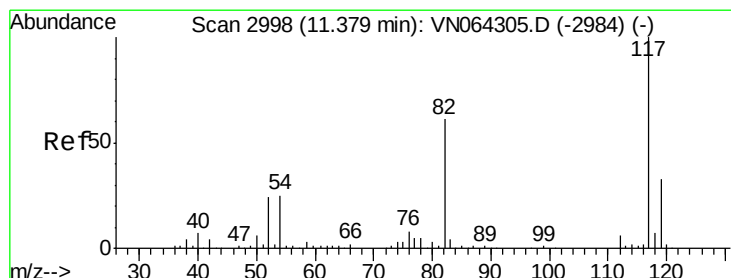
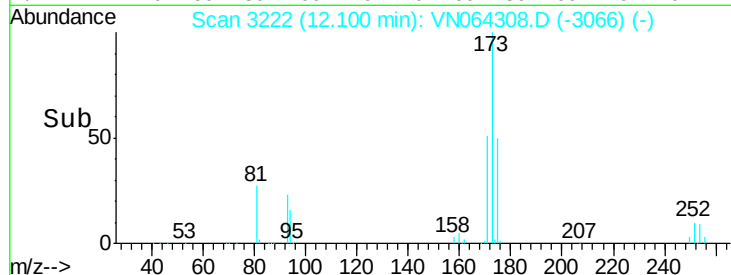
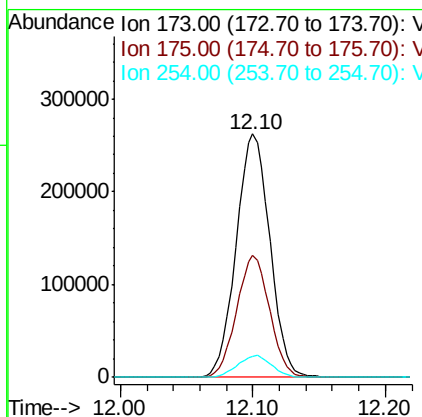
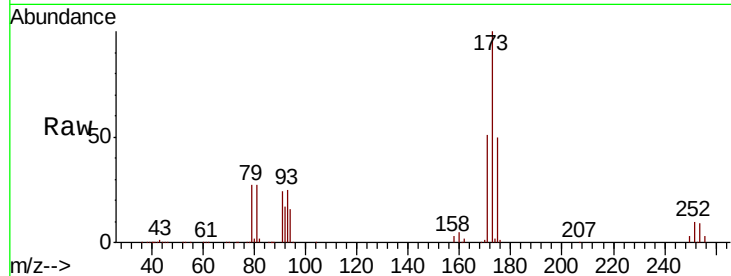




#56
Bromoform
Concen: 162.196 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

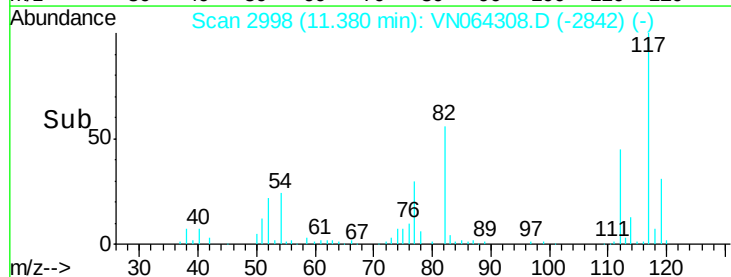
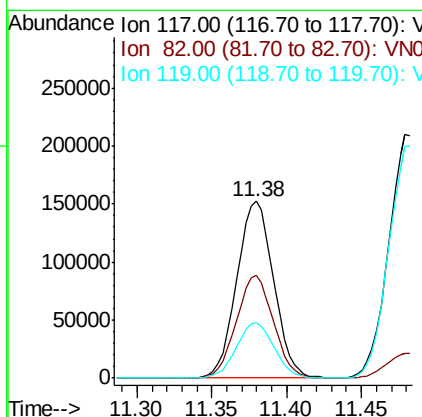
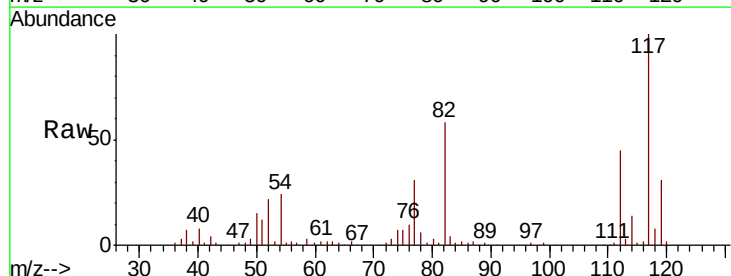
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

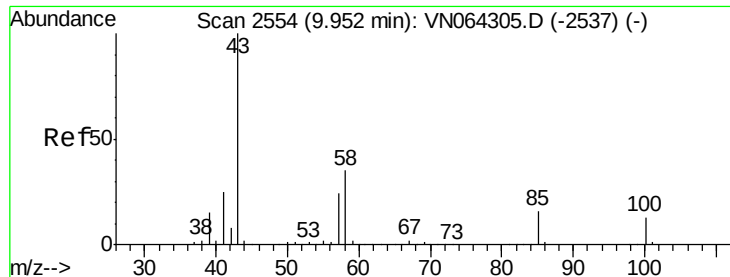
Tot Ion:173 Resp: 463108
Ion Ratio Lower Upper
173 100
175 49.0 37.3 55.9
254 9.0 4.8 7.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion:117 Resp: 261606
Ion Ratio Lower Upper
117 100
82 58.4 48.7 73.1
119 31.8 25.1 37.7

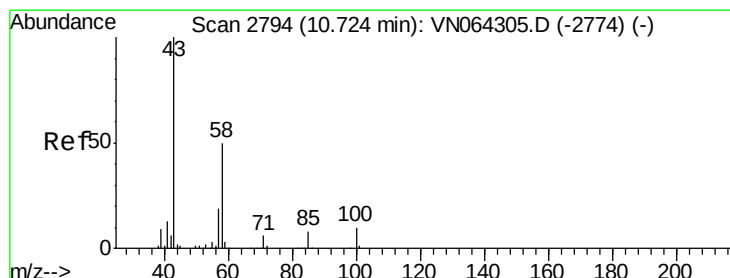
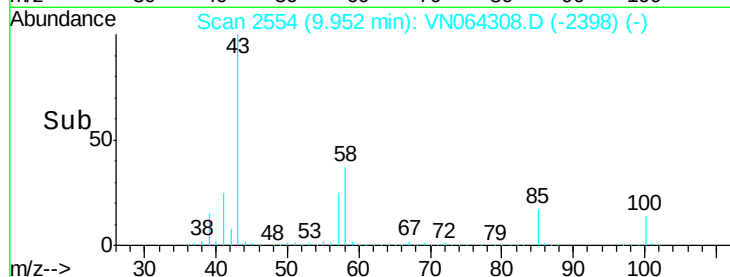
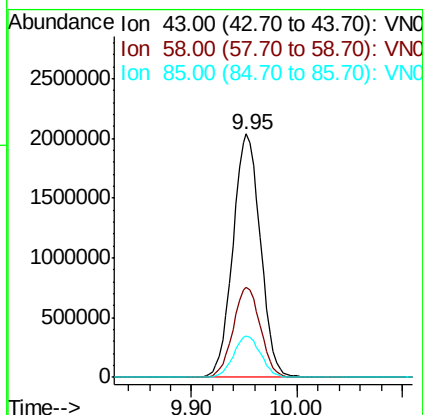
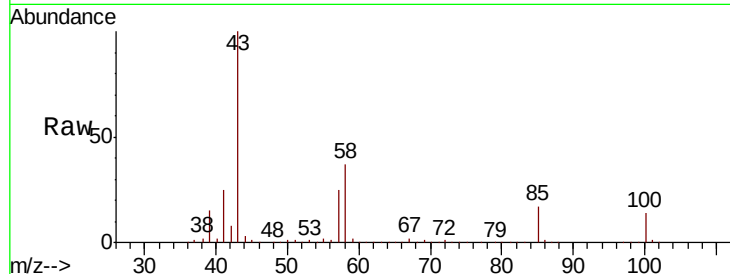




#58
4-Methyl-2-Pentanone
Concen: 813.432 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

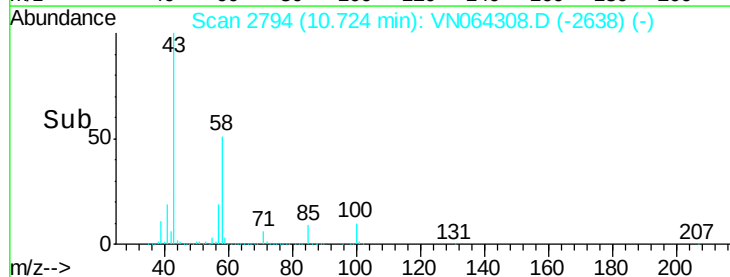
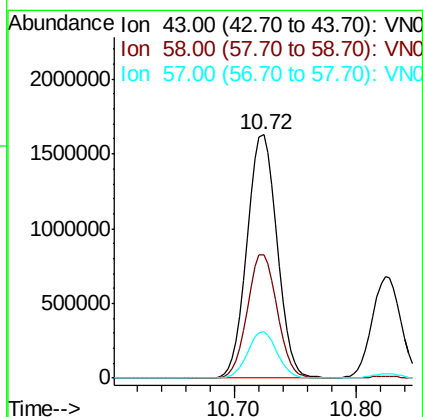
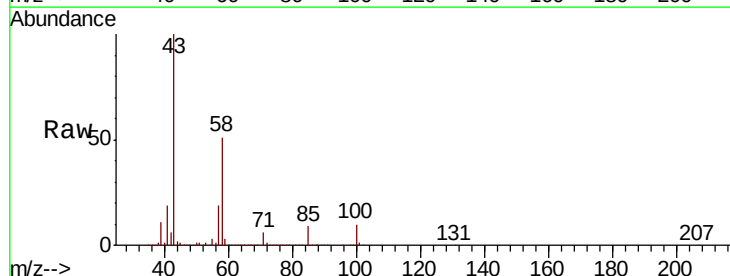
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

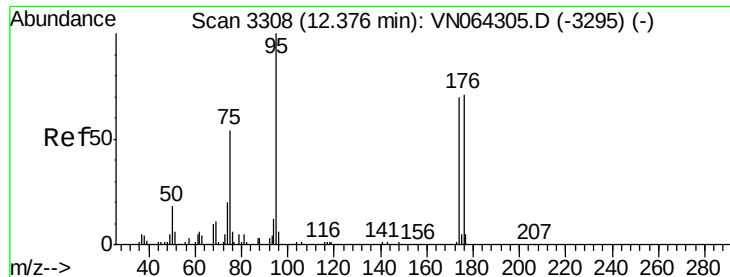
Tot Ion: 43 Resp: 3667820
Ion Ratio Lower Upper
43 100
58 36.8 28.7 43.1
85 16.9 13.4 20.2



#59
2-Hexanone
Concen: 811.028 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion: 43 Resp: 2752665
Ion Ratio Lower Upper
43 100
58 50.5 39.4 59.2
57 18.6 14.8 22.2

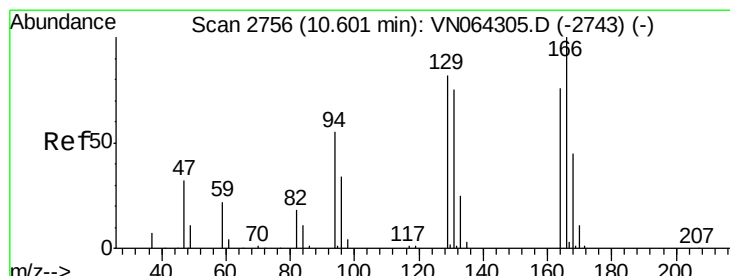
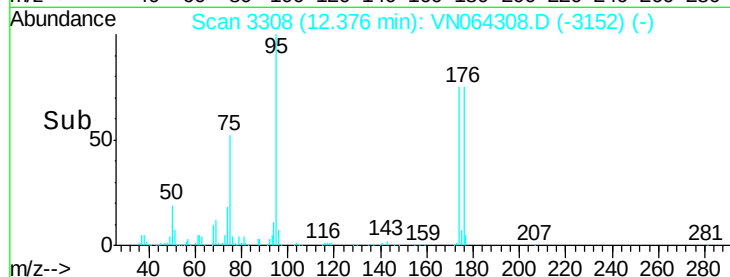
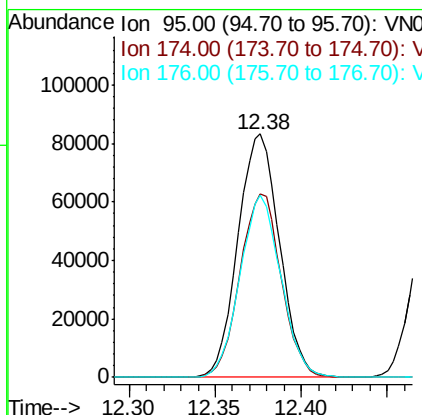
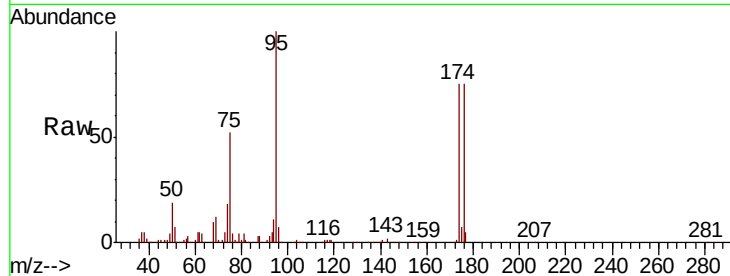




#60
4-Bromofluorobenzene
Concen: 30.054 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

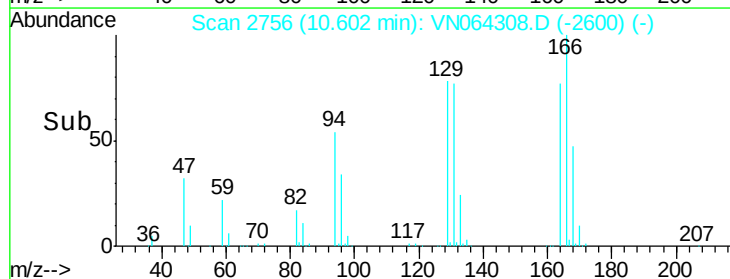
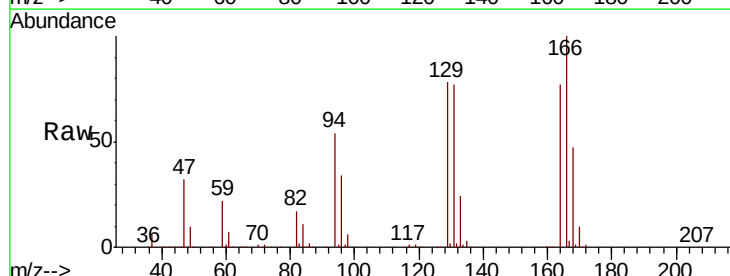
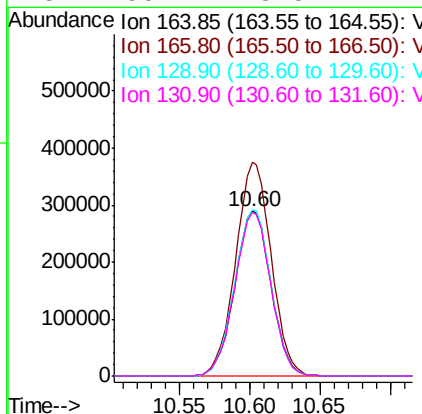
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

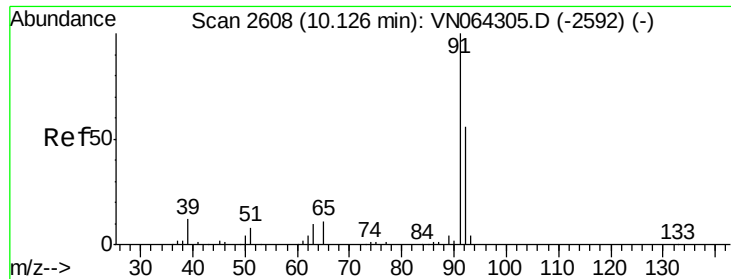
Tot Ion: 95 Resp: 139907
Ion Ratio Lower Upper
95 100
174 74.8 57.6 86.4
176 73.5 55.5 83.3



#61
Tetrachloroethene
Concen: 147.125 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion: 164 Resp: 521625
Ion Ratio Lower Upper
164 100
166 129.4 105.4 158.0
129 101.1 86.4 129.6
131 99.4 78.5 117.7





#62

Toluene

Concen: 152.849 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

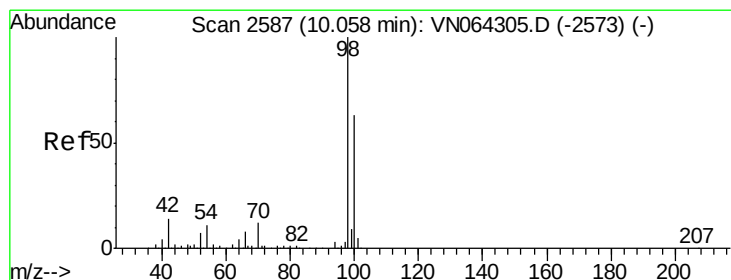
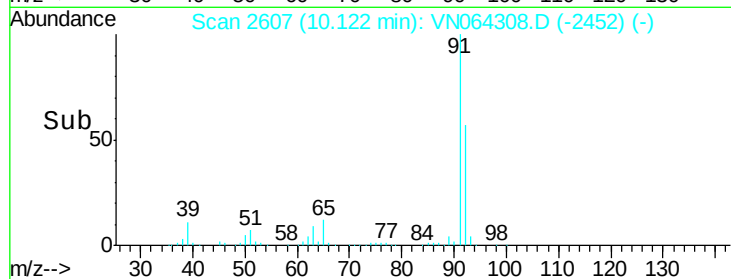
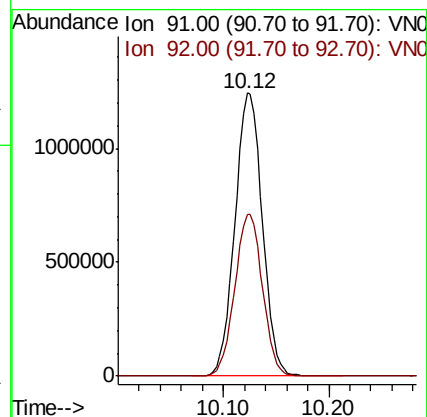
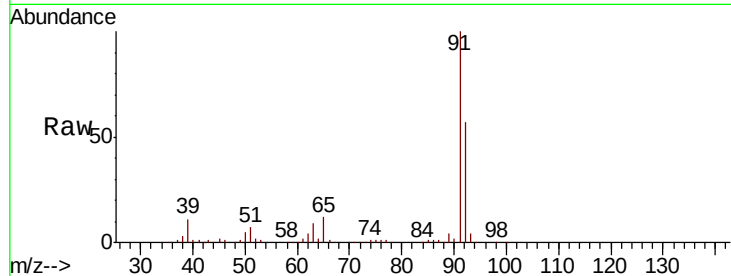
VSTDIC150

Tot Ion: 91 Resp: 2236085

Ion Ratio Lower Upper

91 100

92 57.7 45.8 68.6



#63

Toluene-d8

Concen: 29.263 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064308.D

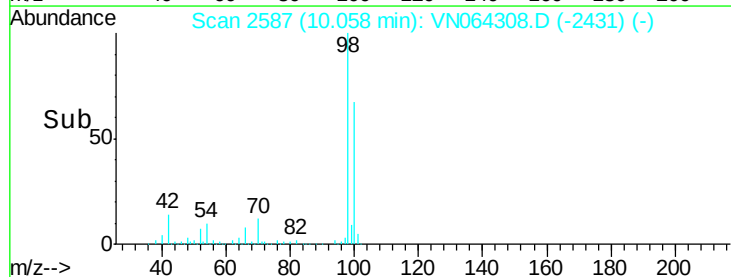
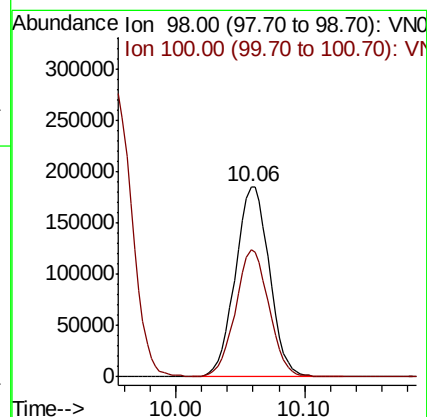
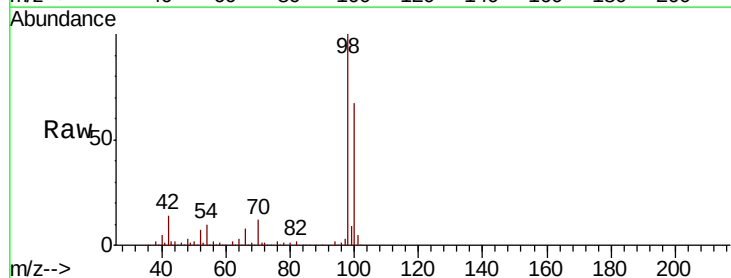
Acq: 26 Oct 2020 17:29

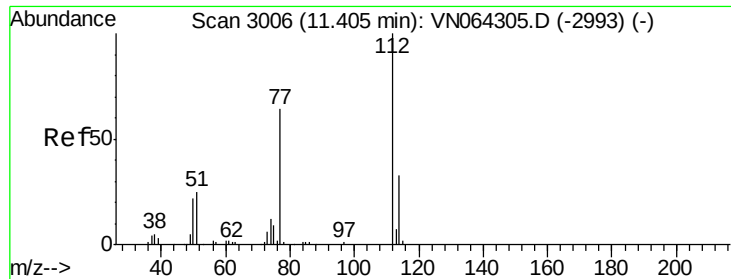
Tgt Ion: 98 Resp: 341603

Ion Ratio Lower Upper

98 100

100 65.7 50.6 75.8

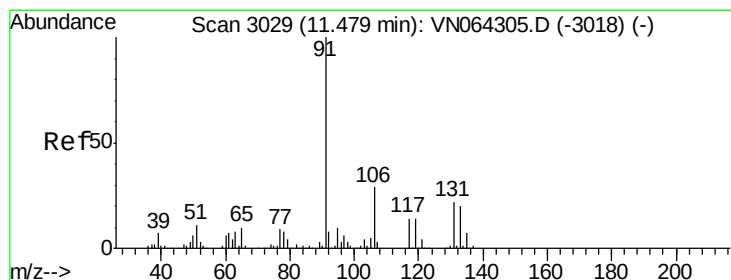
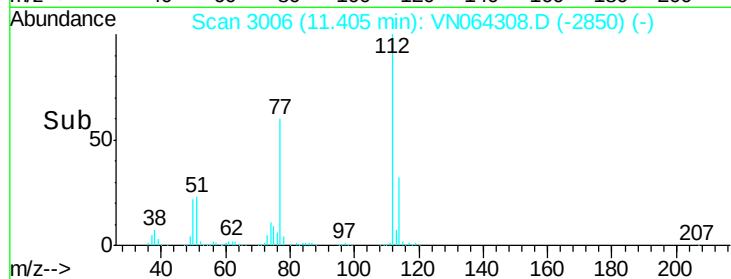
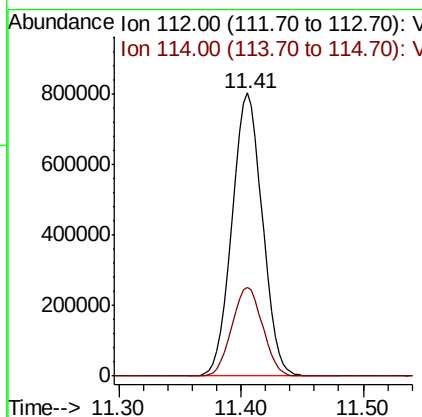
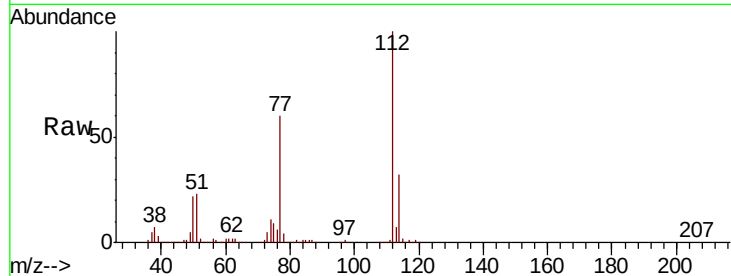




#64
Chlorobenzene
Concen: 153.536 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

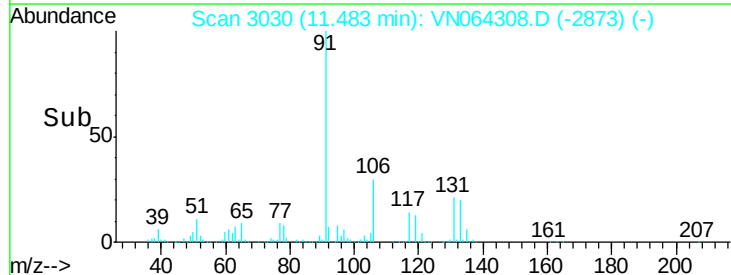
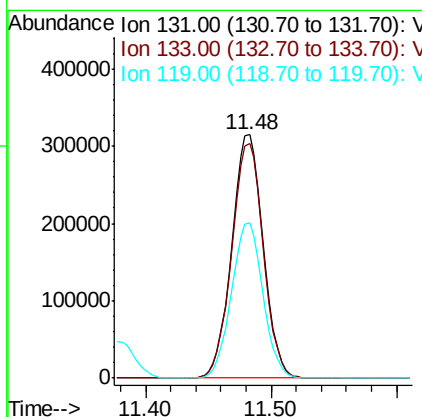
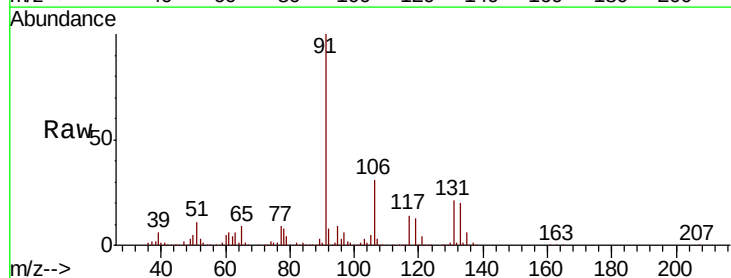
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

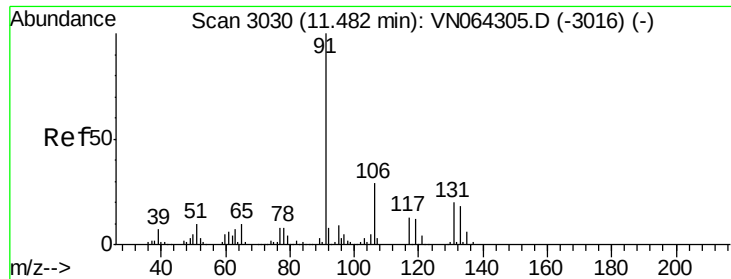
Tot Ion:112 Resp: 1386679
Ion Ratio Lower Upper
112 100
114 31.6 26.7 40.1



#65
1,1,1,2-Tetrachloroethane
Concen: 151.186 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion:131 Resp: 548121
Ion Ratio Lower Upper
131 100
133 96.8 0.0 183.0
119 63.6 0.0 121.6

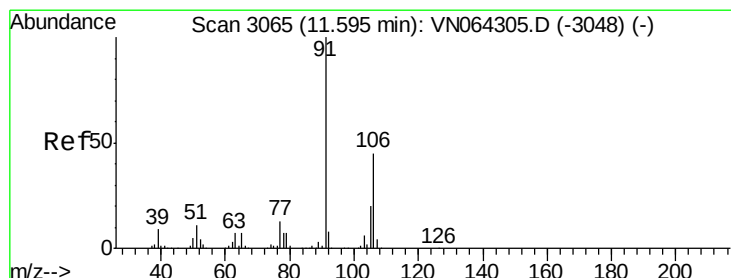
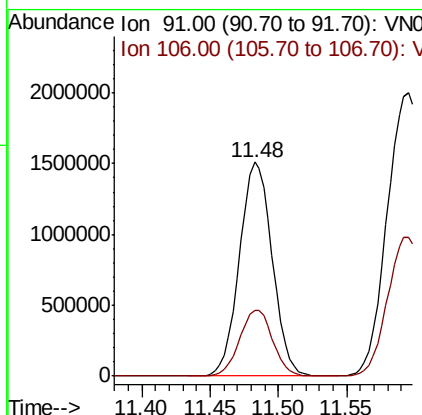
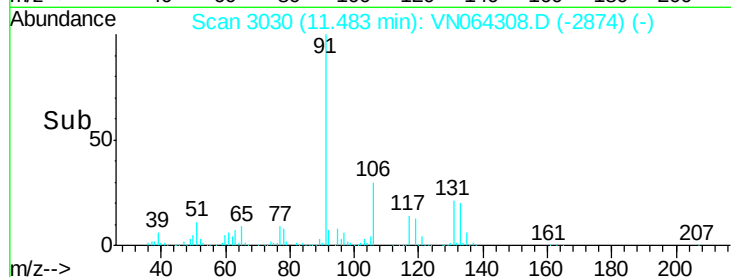
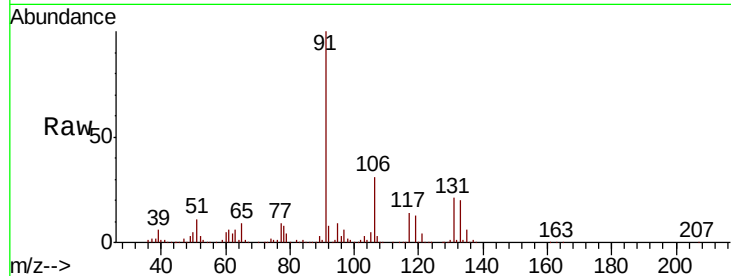




#66
Ethyl Benzene
Concen: 149.573 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

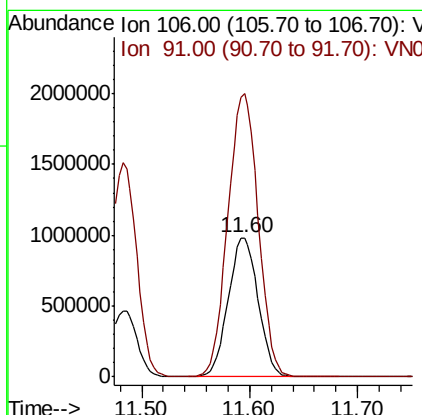
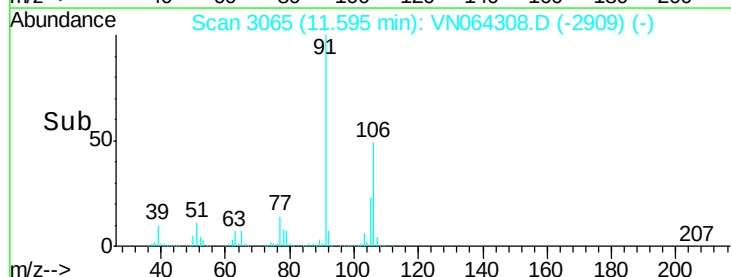
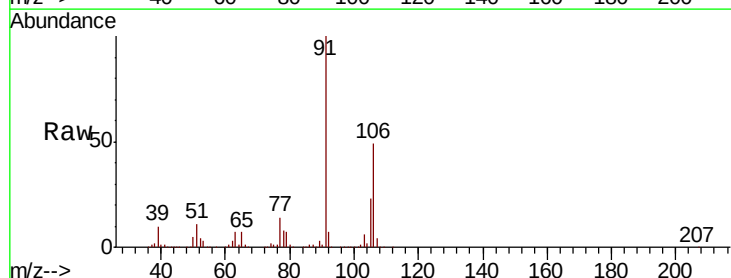
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

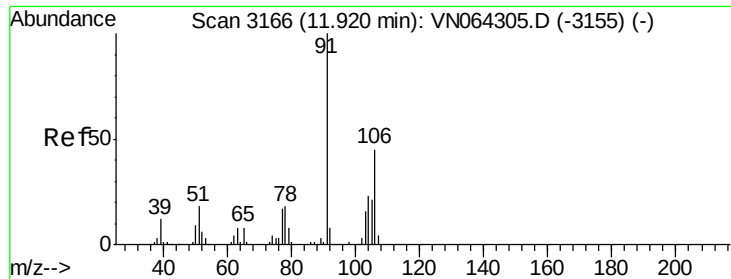
Tot Ion: 91 Resp: 2519007
Ion Ratio Lower Upper
91 100
106 31.0 22.8 34.2



#67
m/p-Xylenes
Concen: 306.208 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion: 106 Resp: 1897335
Ion Ratio Lower Upper
106 100
91 206.6 176.2 264.2

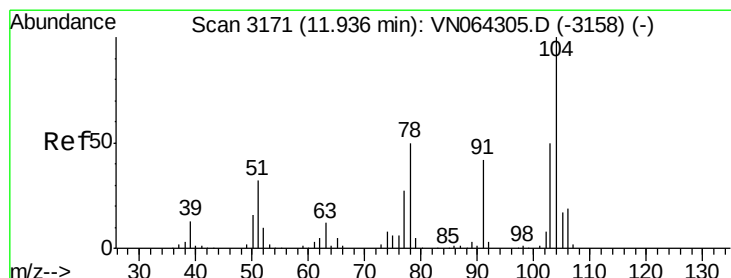
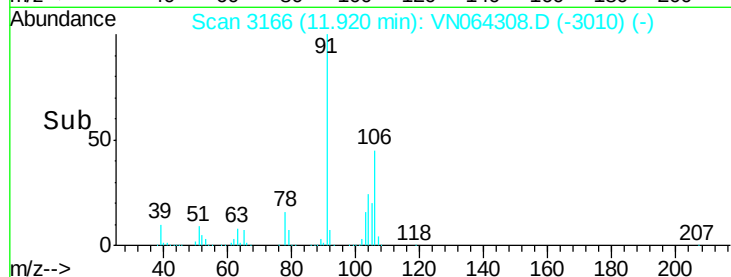
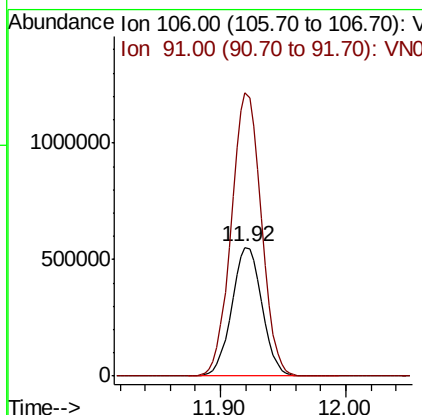
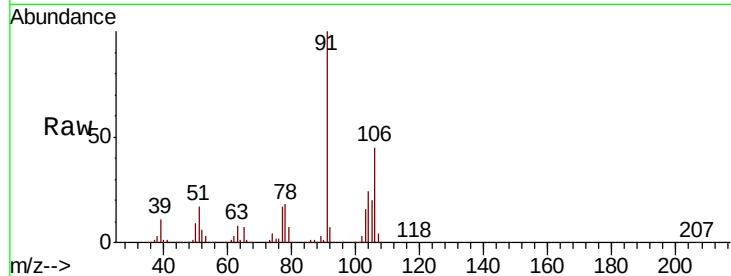




#68
o-Xylene
Concen: 153.422 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

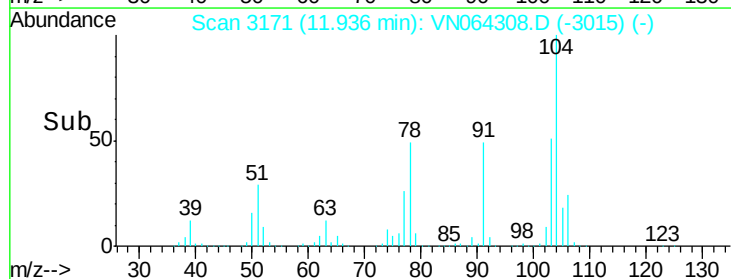
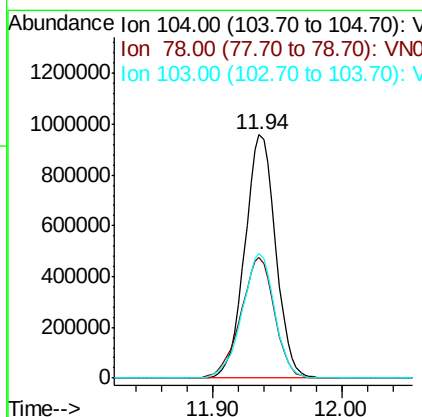
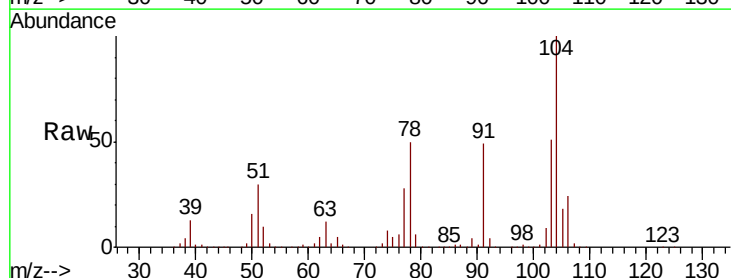
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

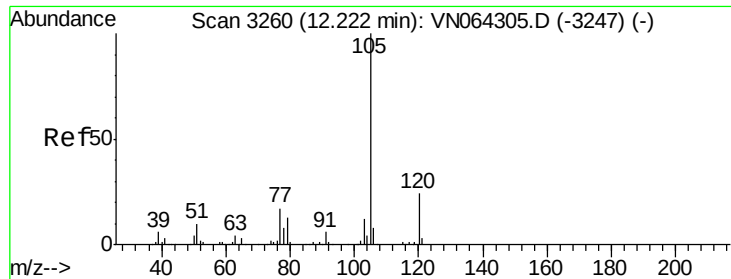
Tot Ion:106 Resp: 923860
Ion Ratio Lower Upper
106 100
91 218.5 112.9 338.6



#69
Styrene
Concen: 158.350 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion:104 Resp: 1592767
Ion Ratio Lower Upper
104 100
78 54.0 46.3 69.5
103 54.1 44.2 66.2





#70

Isopropylbenzene

Concen: 151.698 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

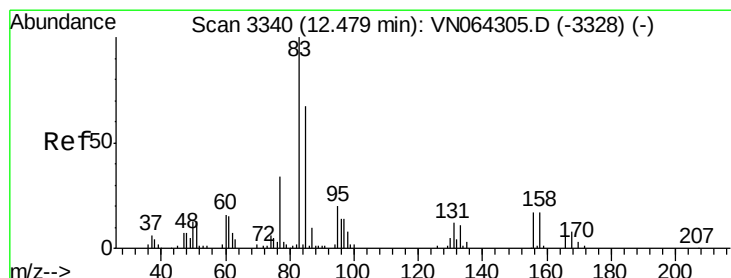
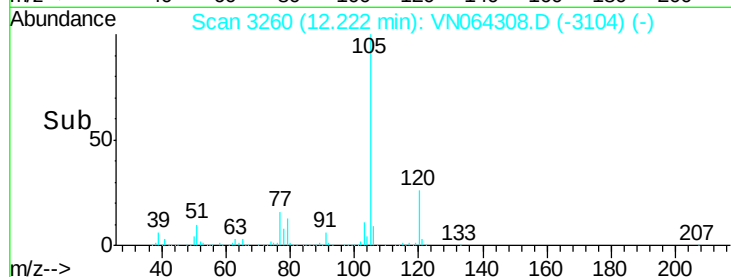
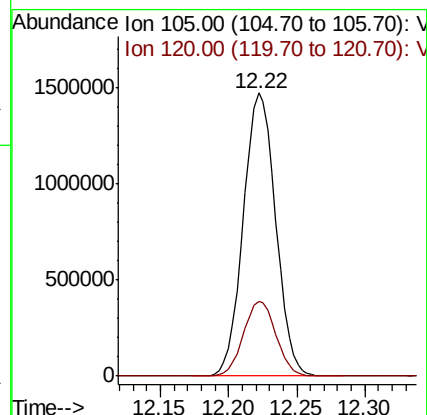
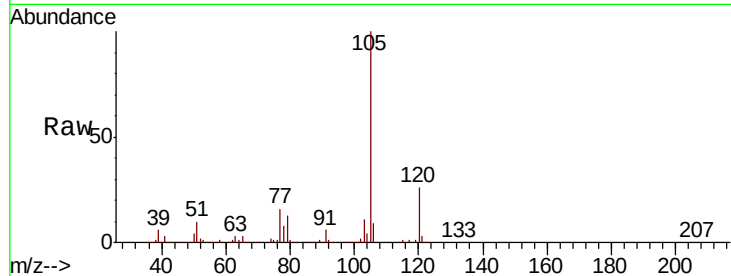
VSTDIC150

Tot Ion:105 Resp: 2424803

Ion Ratio Lower Upper

105 100

120 26.4 17.4 32.2



#71

1,1,2,2-Tetrachloroethane

Concen: 160.085 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

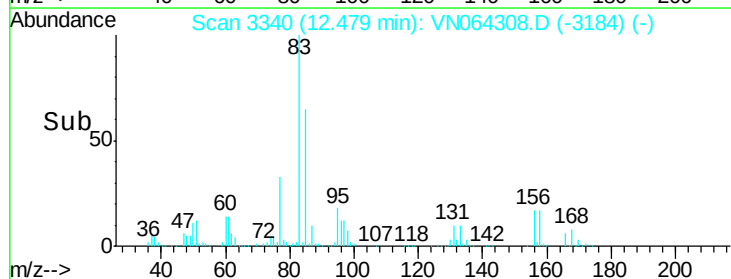
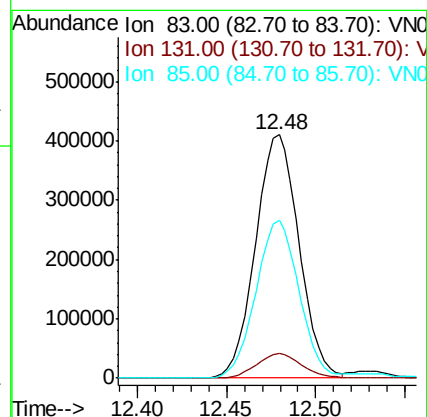
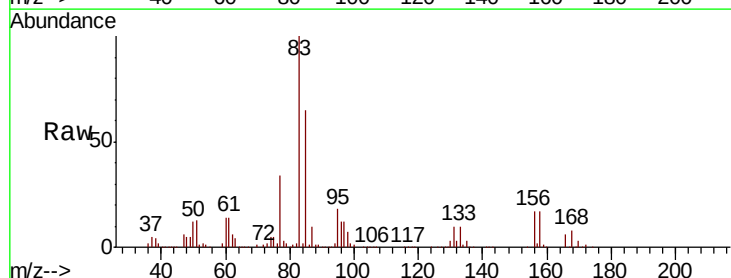
Tgt Ion: 83 Resp: 701059

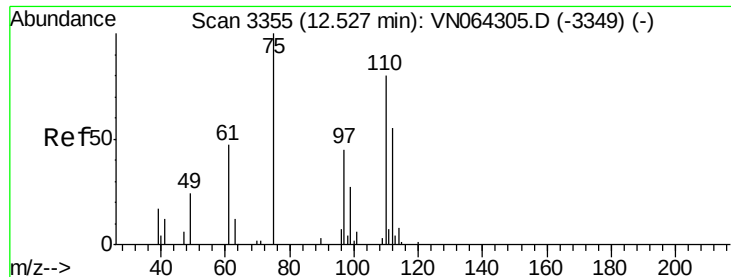
Ion Ratio Lower Upper

83 100

131 10.4 6.0 18.0

85 64.5 32.0 96.0





#72

1,2,3-Trichloropropane

Concen: 229.669 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

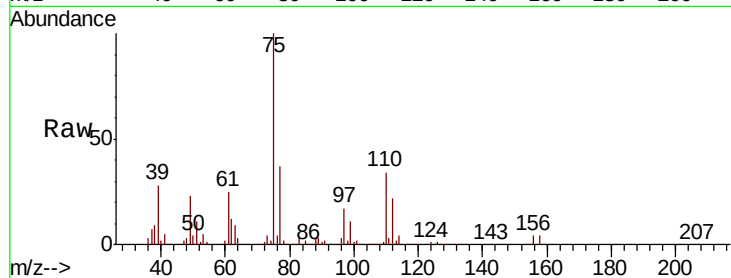
VSTDIC150

Tot Ion: 75 Resp: 1057904

Ion Ratio Lower Upper

75 100

77 125.8 0.0 340.8



Abundance Ion 75.00 (74.70 to 75.70): VN064308.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064308.D (-3349) (-)

12.53

600000

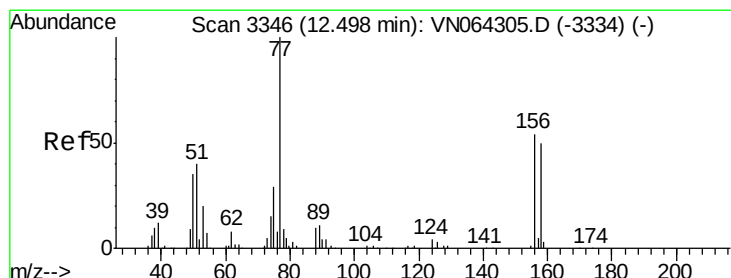
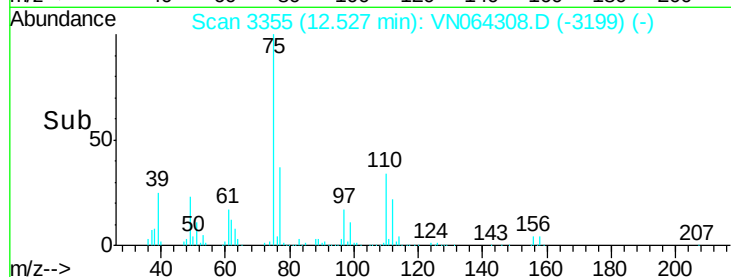
400000

200000

0

12.40 12.50 12.60

Time-->



#73

Bromobenzene

Concen: 155.587 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

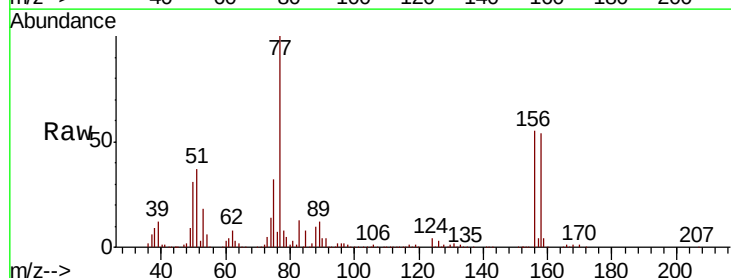
Tgt Ion: 156 Resp: 605914

Ion Ratio Lower Upper

156 100

77 219.7 0.0 449.2

158 98.0 0.0 191.0



Abundance Ion 156.00 (155.70 to 156.70): VN064308.D (-3334) (-)

Ion 77.00 (76.70 to 77.70): VN064308.D (-3334) (-)

Ion 158.00 (157.70 to 158.70): VN064308.D (-3334) (-)

12.50

800000

600000

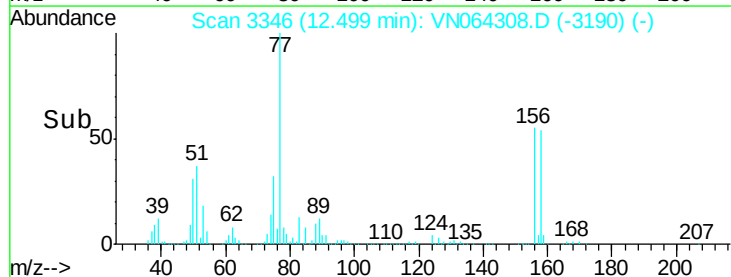
400000

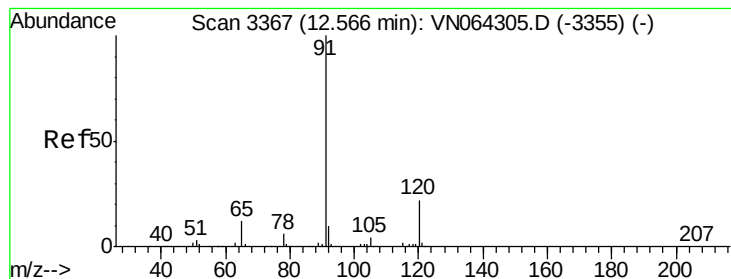
200000

0

12.40 12.45 12.50 12.55

Time-->





#74

n-propylbenzene

Concen: 153.053 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

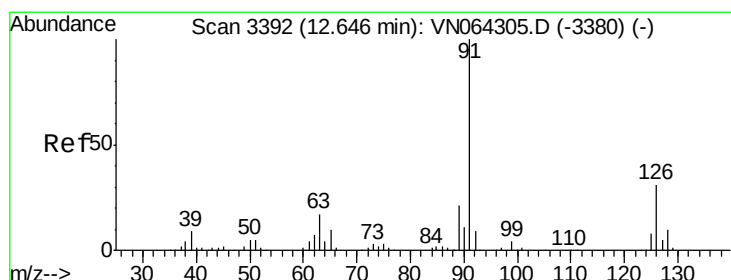
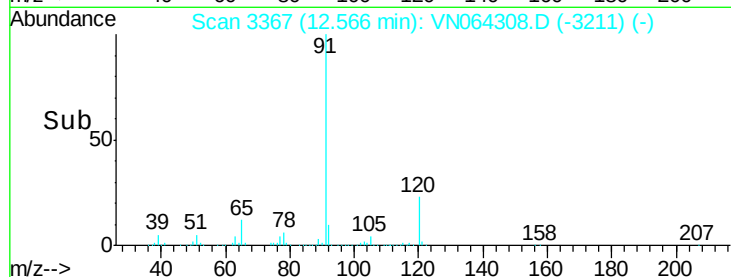
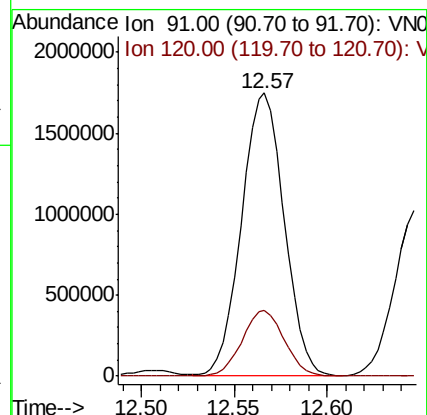
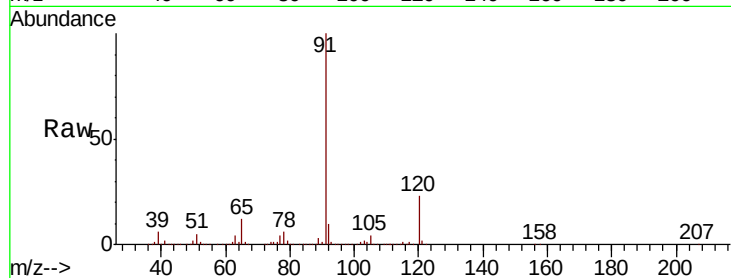
VSTDIC150

Tot Ion: 91 Resp: 2793611

Ion Ratio Lower Upper

91 100

120 22.7 0.0 44.2



#75

2-Chlorotoluene

Concen: 152.023 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064308.D

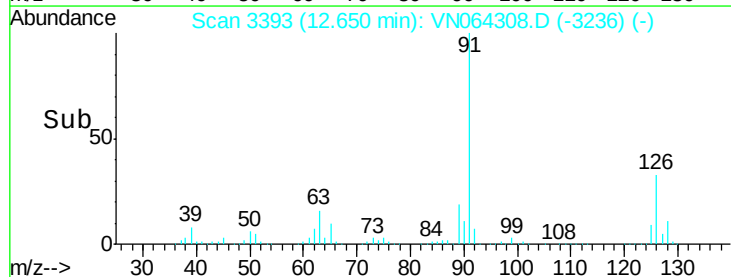
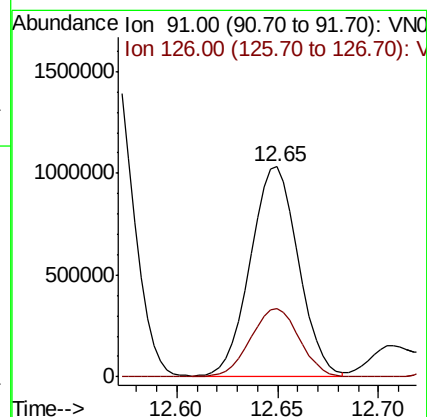
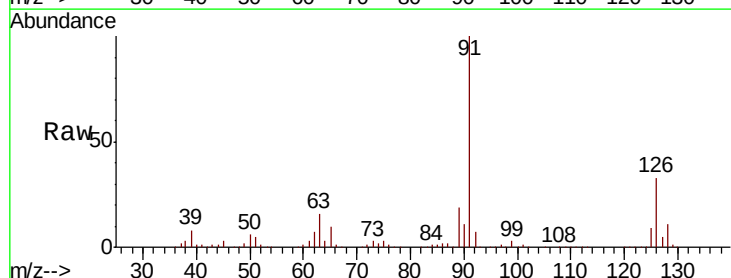
Acq: 26 Oct 2020 17:29

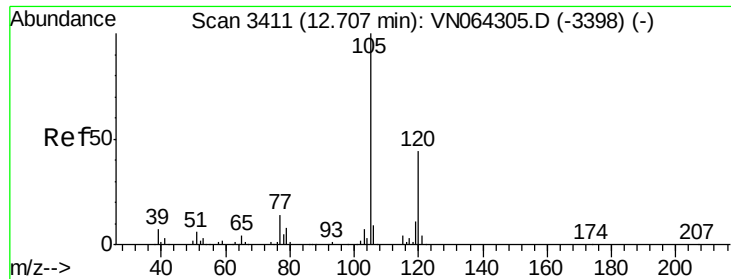
Tgt Ion: 91 Resp: 1729638

Ion Ratio Lower Upper

91 100

126 32.9 0.0 62.0





#76

1,3,5-Trimethylbenzene

Concen: 154.527 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampled :

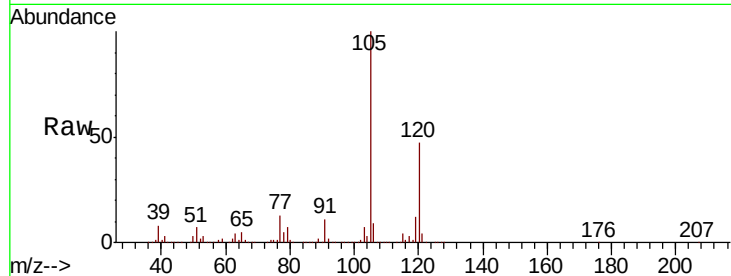
VSTDIC150

Tot Ion:105 Resp: 2091974

Ion Ratio Lower Upper

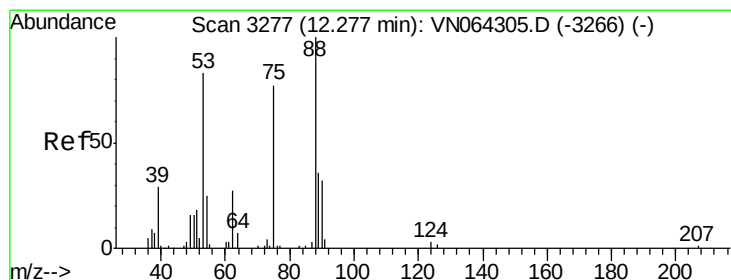
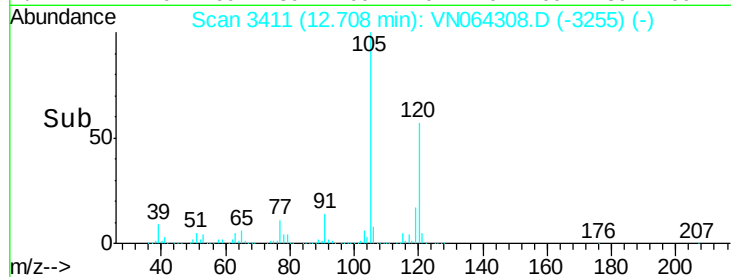
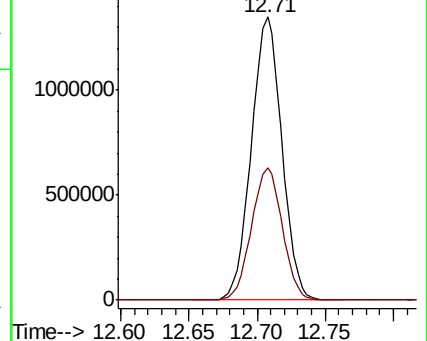
105 100

120 47.2 0.0 89.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 167.508 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

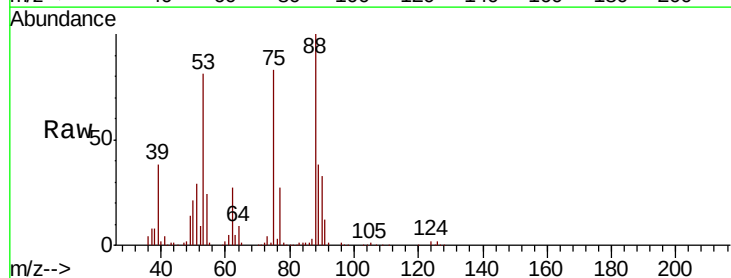
Tgt Ion: 75 Resp: 295227

Ion Ratio Lower Upper

75 100

53 97.7 51.0 153.0

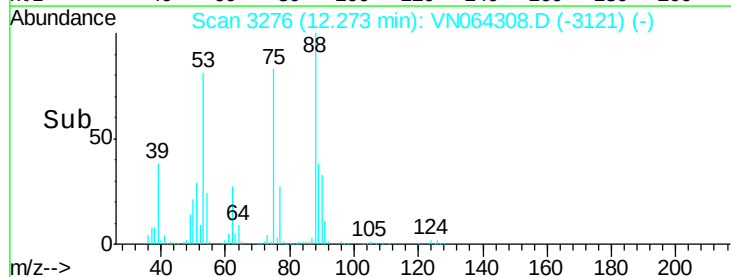
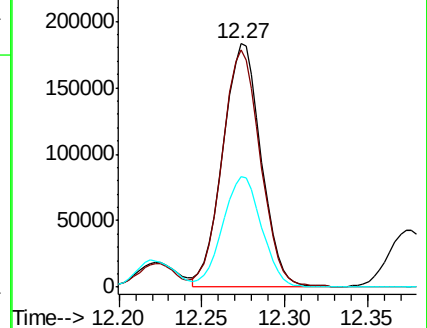
89 45.8 24.8 74.3

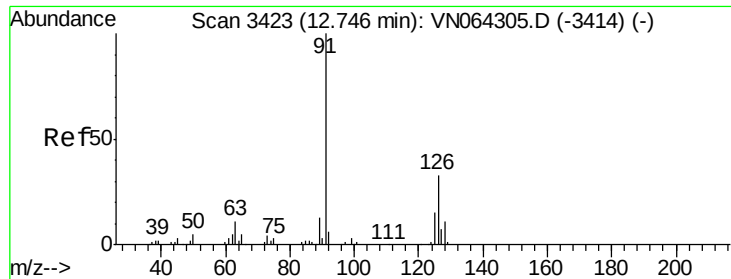


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO





#78

4-Chlorotoluene

Concen: 155.876 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

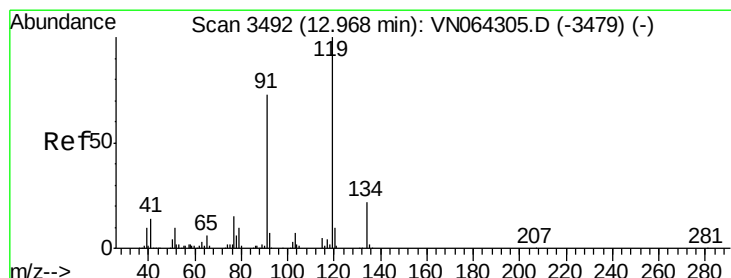
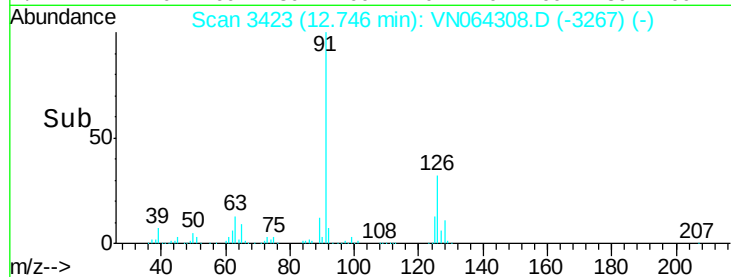
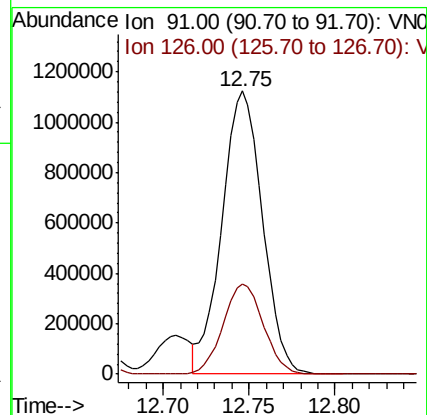
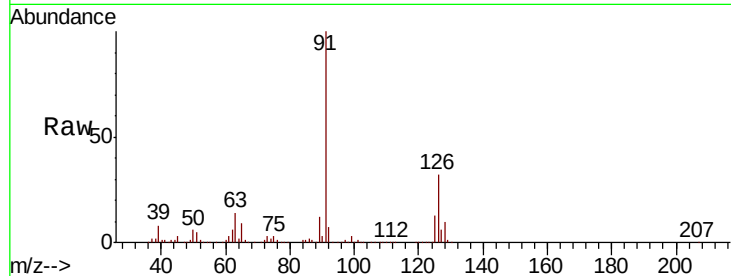
VSTDIC150

Tot Ion: 91 Resp: 1839033

Ion Ratio Lower Upper

91 100

126 31.8 0.0 62.4



#79

tert-butylbenzene

Concen: 154.380 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

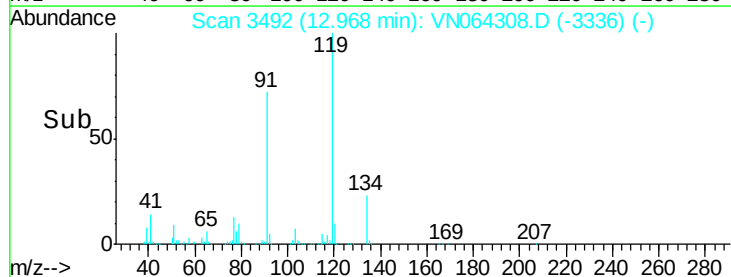
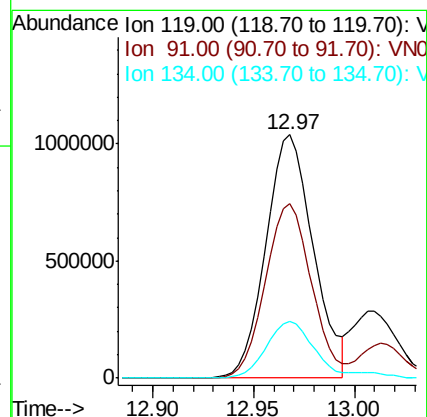
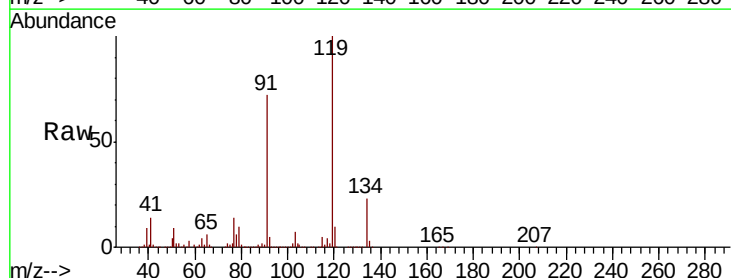
Tgt Ion: 119 Resp: 1701134

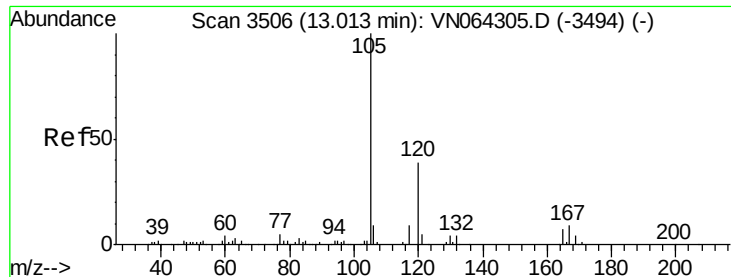
Ion Ratio Lower Upper

119 100

91 70.0 0.0 146.8

134 23.2 0.0 48.6

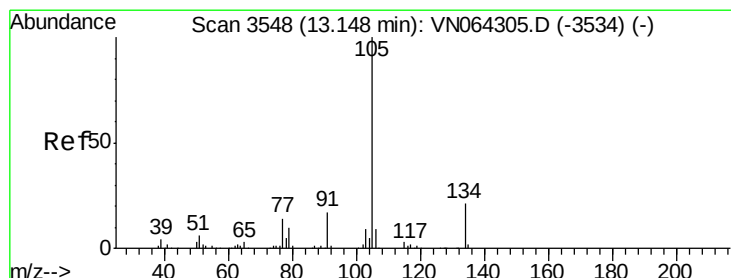
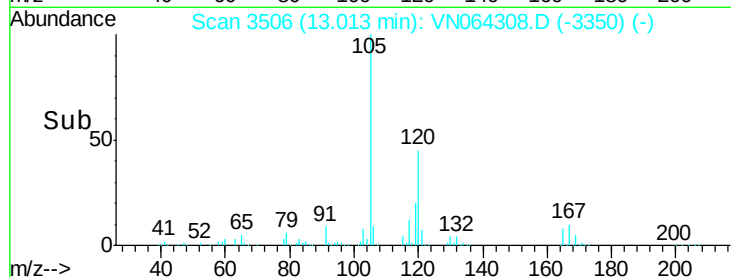
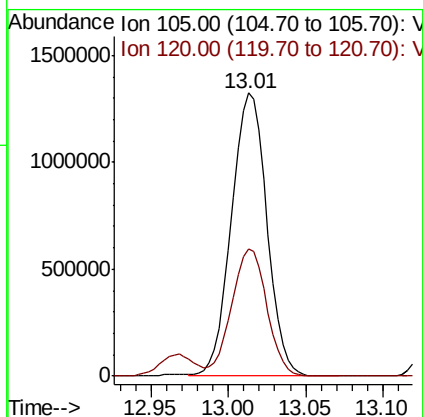
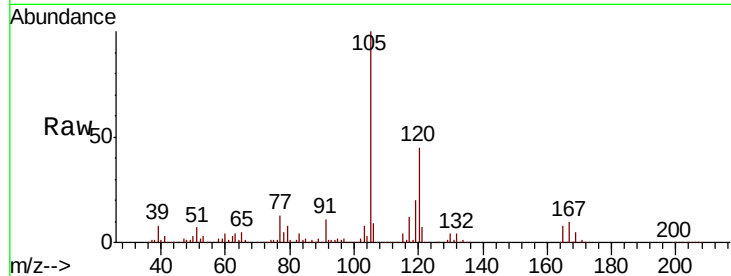




#80
1,2,4-Trimethylbenzene
Concen: 152.853 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

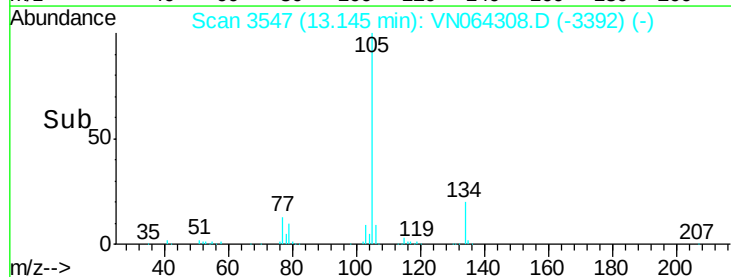
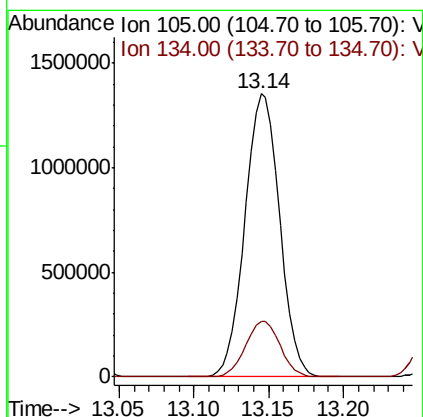
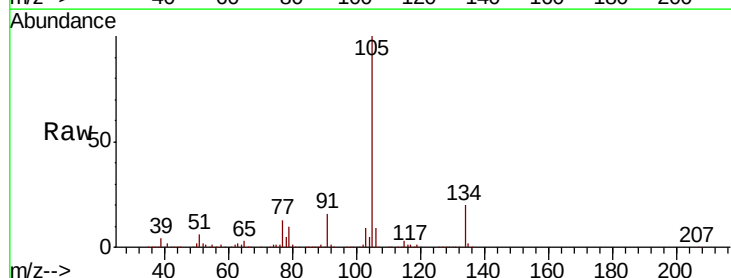
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

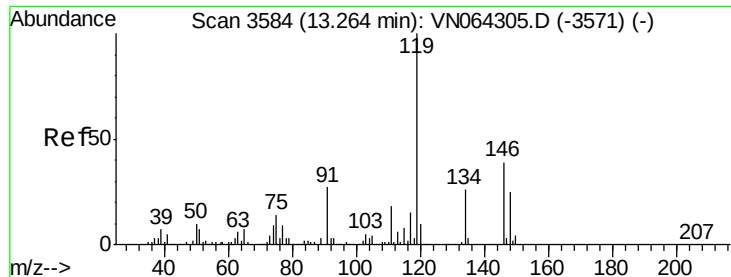
Tot Ion:105 Resp: 2102002
Ion Ratio Lower Upper
105 100
120 44.7 0.0 87.0



#81
sec-Butylbenzene
Concen: 152.697 ug/l
RT: 13.14 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion:105 Resp: 2181767
Ion Ratio Lower Upper
105 100
134 19.7 0.0 38.4

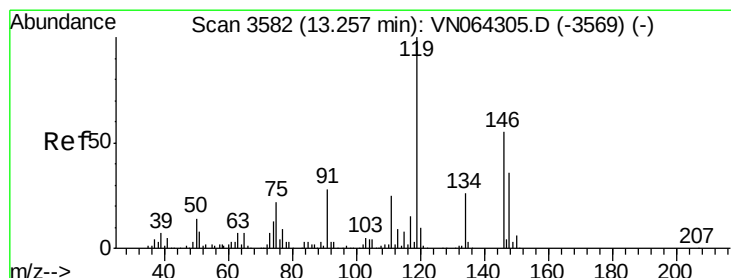
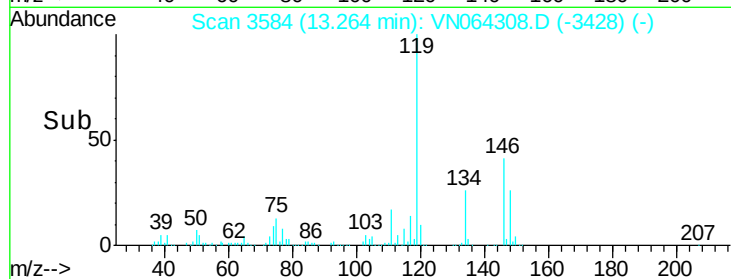
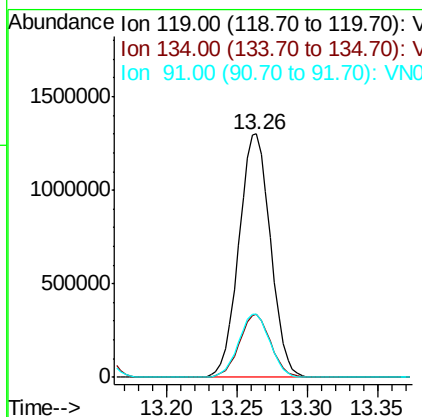
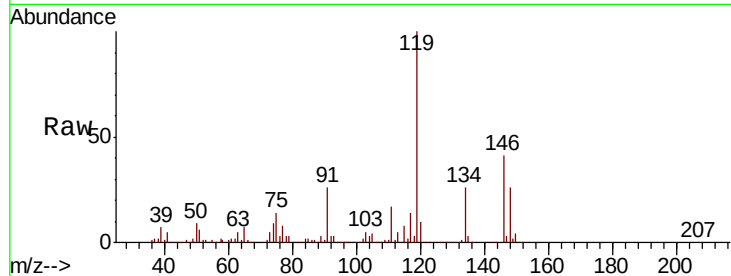




#82
 p-Isopropyltoluene
 Concen: 155.329 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

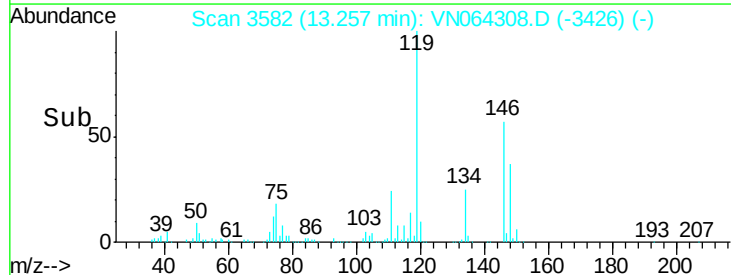
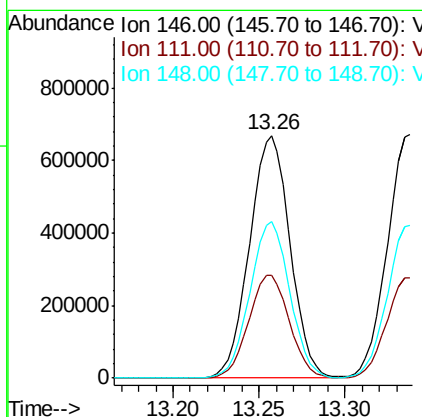
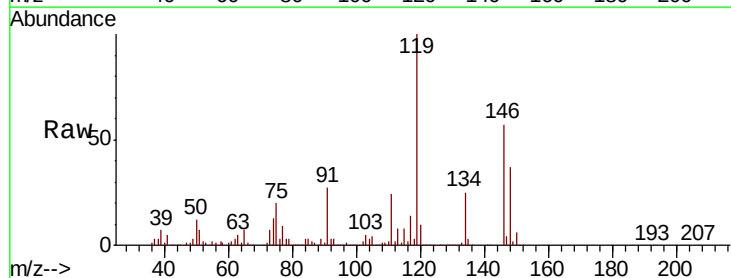
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

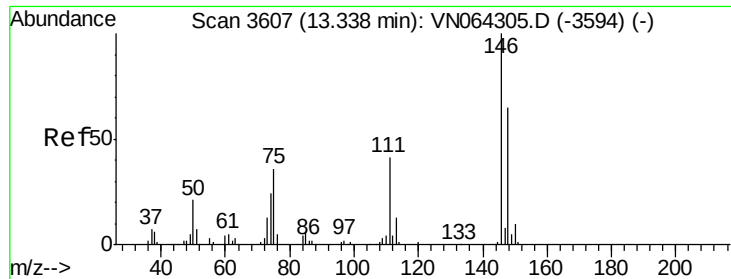
Tot Ion:119 Resp: 2036849
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 52.2
 91 26.0 0.0 56.0



#83
 1,3-Dichlorobenzene
 Concen: 160.227 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

Tgt Ion:146 Resp: 1093400
 Ion Ratio Lower Upper
 146 100
 111 42.4 22.5 67.5
 148 63.5 32.5 97.5

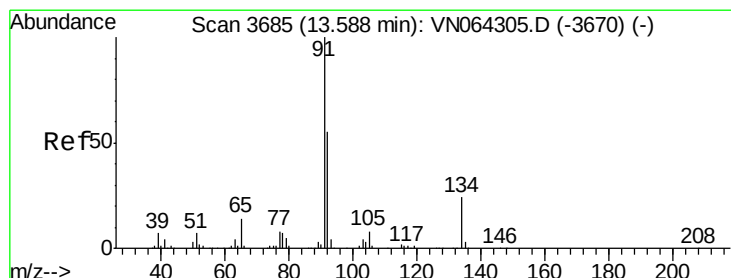
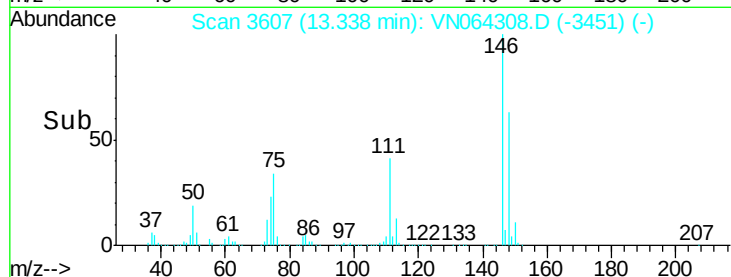
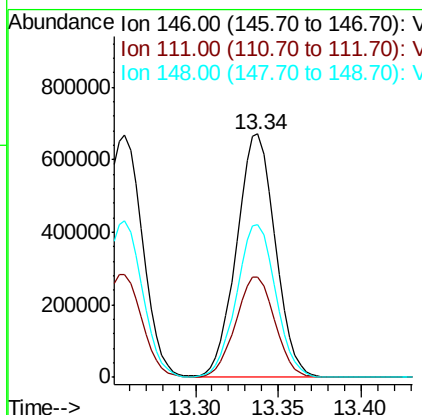
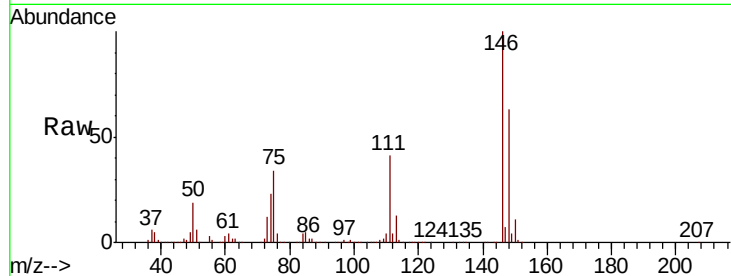




#84
 1,4-Dichlorobenzene
 Concen: 157.263 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

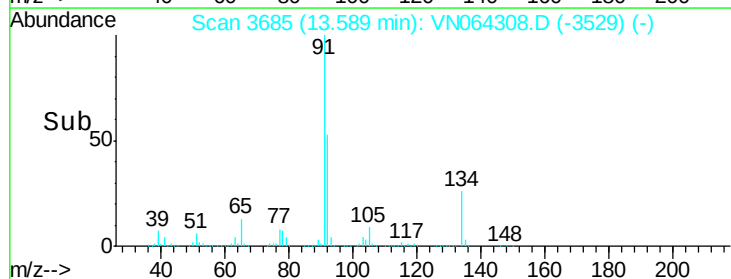
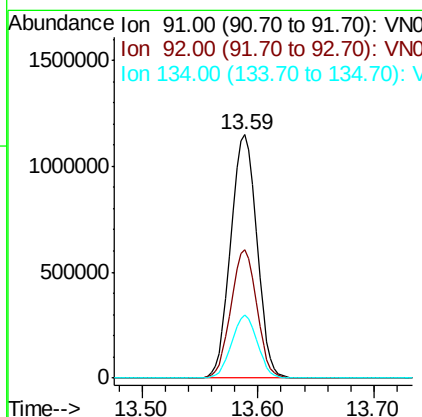
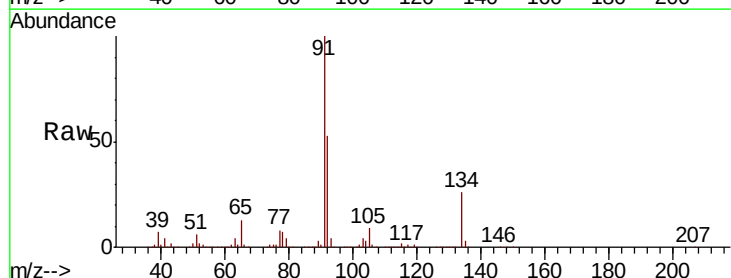
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

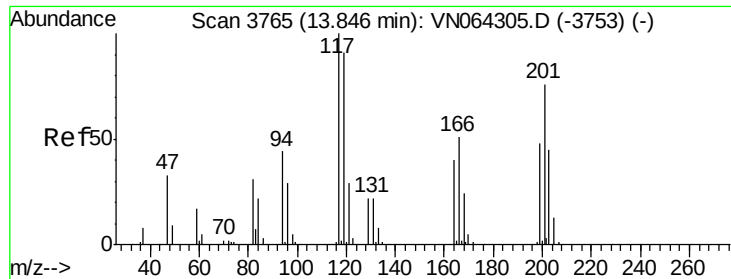
Tot Ion:146 Resp: 1089552
 Ion Ratio Lower Upper
 146 100
 111 41.4 21.6 64.8
 148 63.6 32.4 97.0



#85
 n-Butylbenzene
 Concen: 155.796 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

Tgt Ion: 91 Resp: 1785823
 Ion Ratio Lower Upper
 91 100
 92 52.0 0.0 106.0
 134 25.4 0.0 46.4

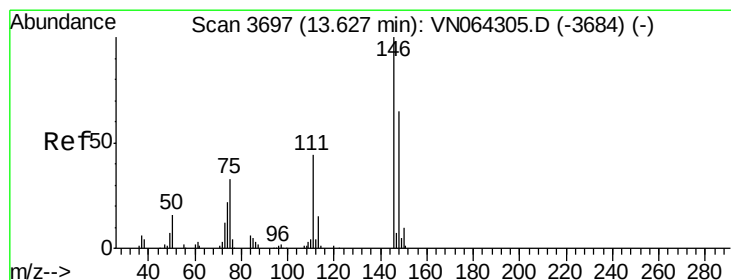
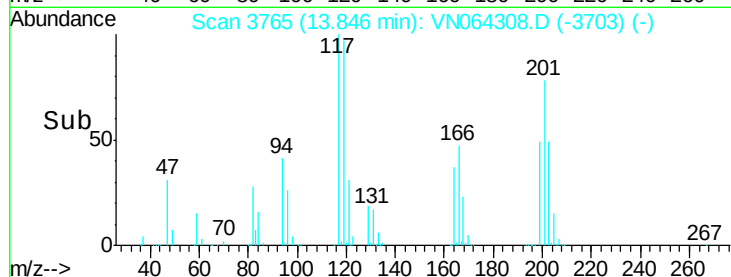
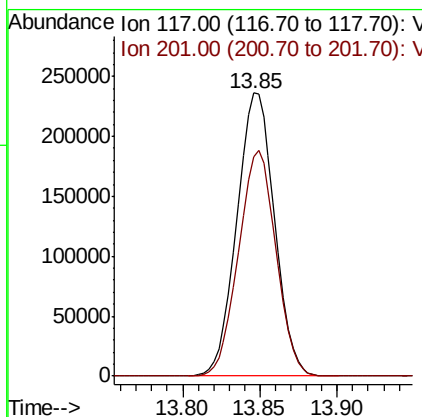
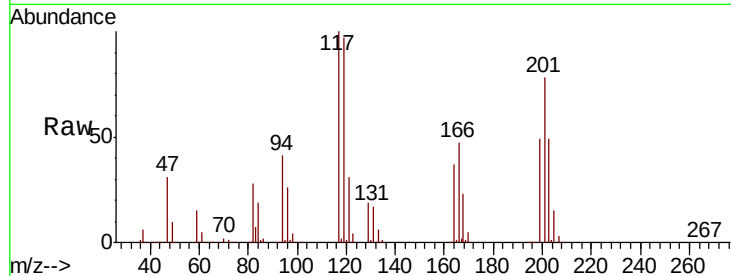




#86
Hexachloroethane
Concen: 175.980 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

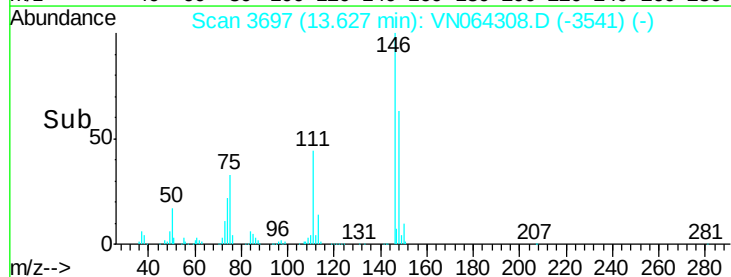
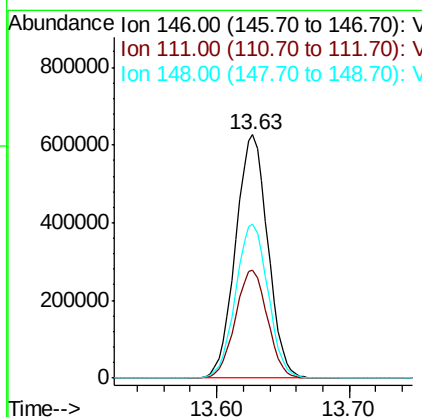
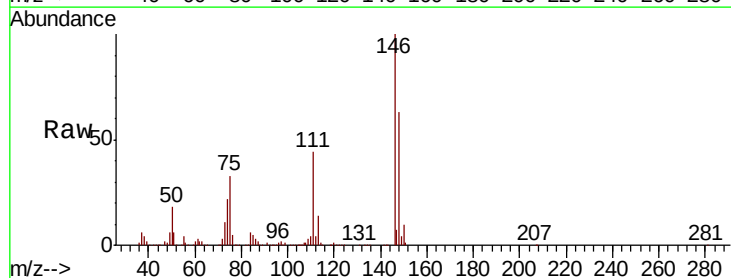
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

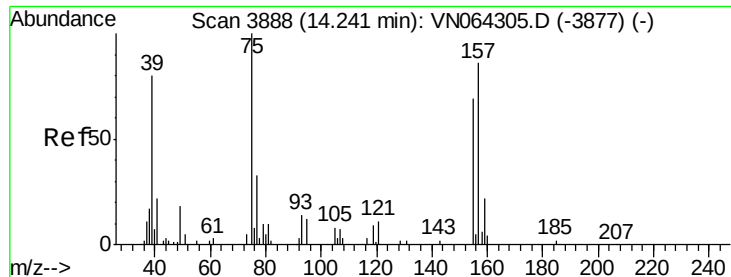
Tot Ion:117 Resp: 399524
Ion Ratio Lower Upper
117 100
201 79.5 39.6 118.7



#87
1,2-Dichlorobenzene
Concen: 157.877 ug/l
RT: 13.63 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN064308.D
Acq: 26 Oct 2020 17:29

Tgt Ion:146 Resp: 1055455
Ion Ratio Lower Upper
146 100
111 44.5 22.3 66.8
148 63.8 31.6 95.0





#88

1,2-Dibromo-3-Chloropropane

Concen: 173.051 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

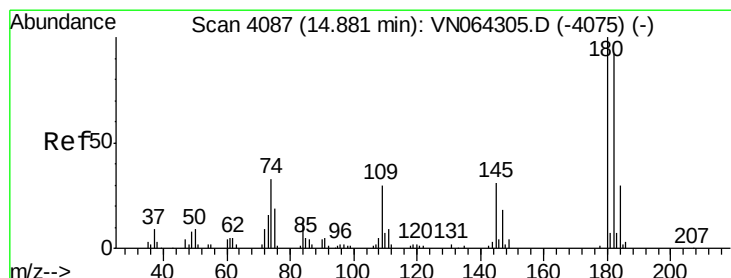
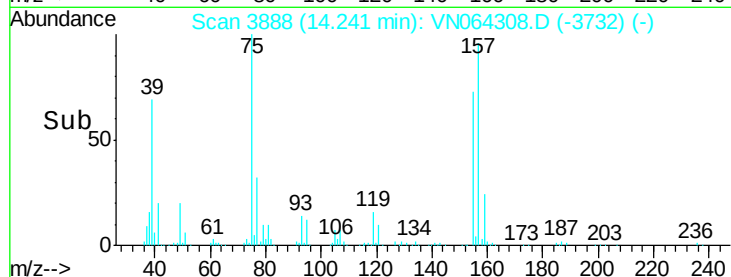
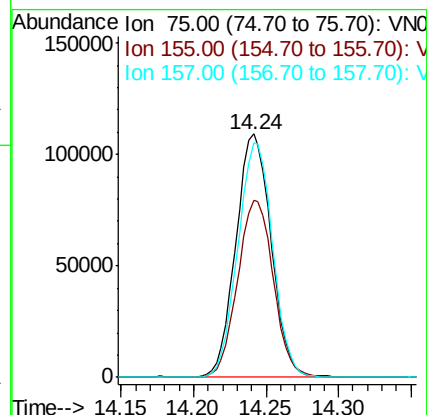
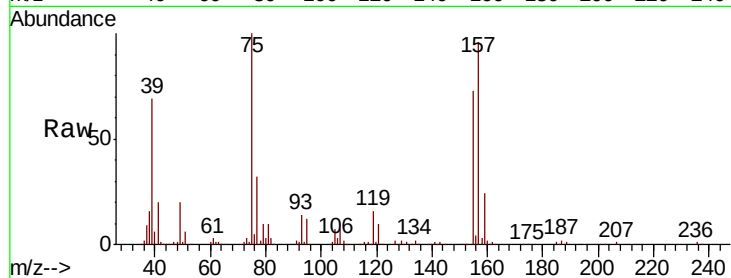
Tot Ion: 75 Resp: 185313

Ion Ratio Lower Upper

75 100

155 73.5 55.8 83.8

157 95.1 72.1 108.1



#89

1,2,4-Trichlorobenzene

Concen: 166.056 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

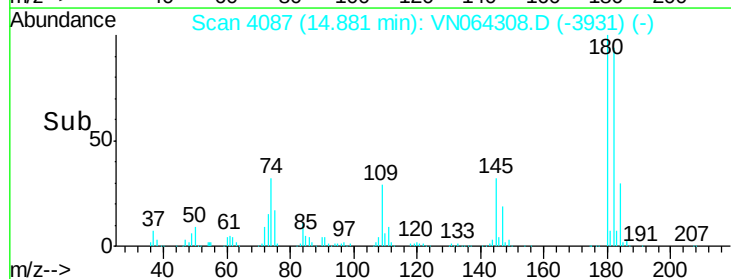
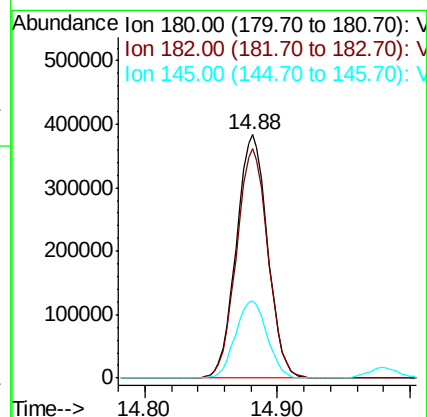
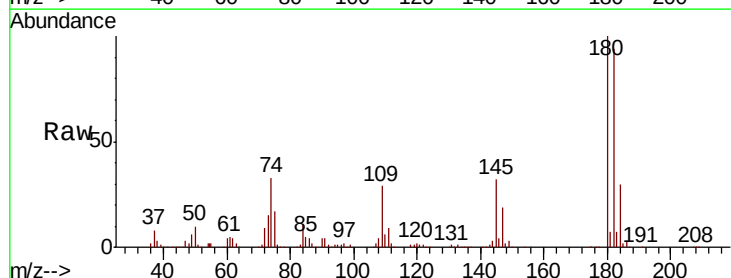
Tgt Ion: 180 Resp: 627186

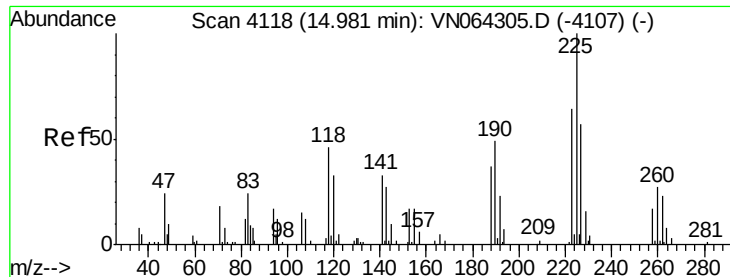
Ion Ratio Lower Upper

180 100

182 94.9 76.6 114.8

145 32.2 25.4 38.0





#90

Hexachlorobutadiene

Concen: 150.089 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

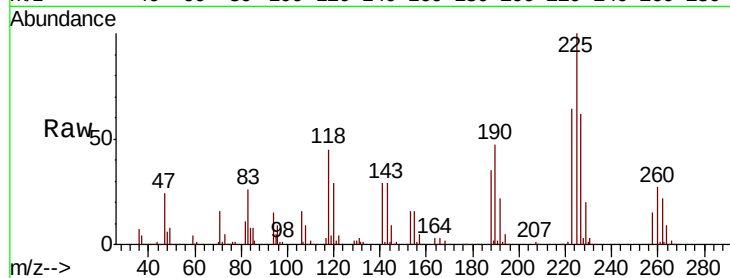
Tot Ion:225 Resp: 308918

Ion Ratio Lower Upper

225 100

223 63.6 0.0 122.0

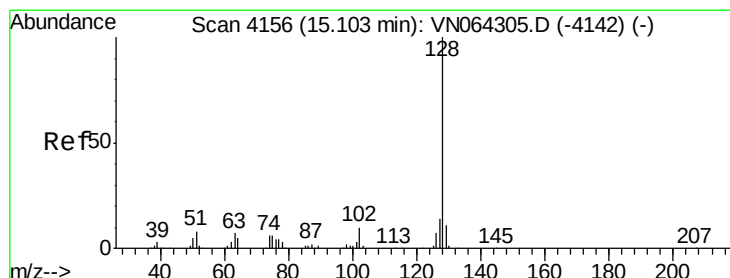
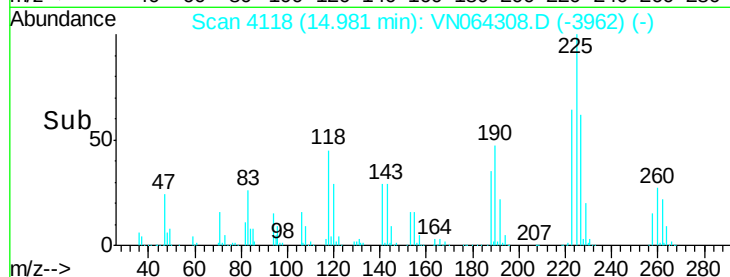
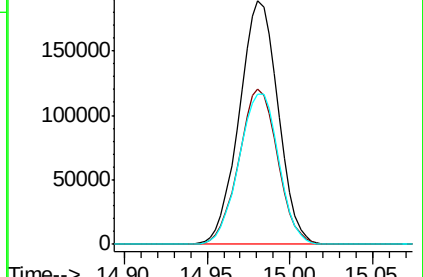
227 63.2 0.0 118.0



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: 173.198 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064308.D

Acq: 26 Oct 2020 17:29

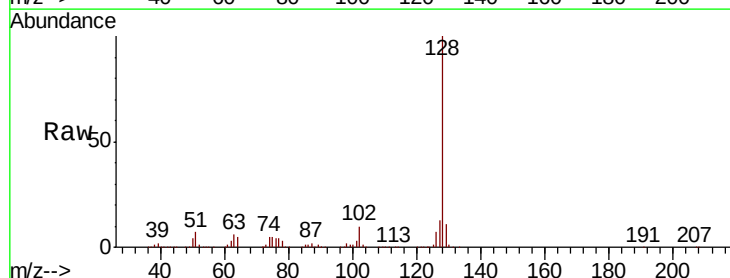
Tgt Ion:128 Resp: 1938905

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

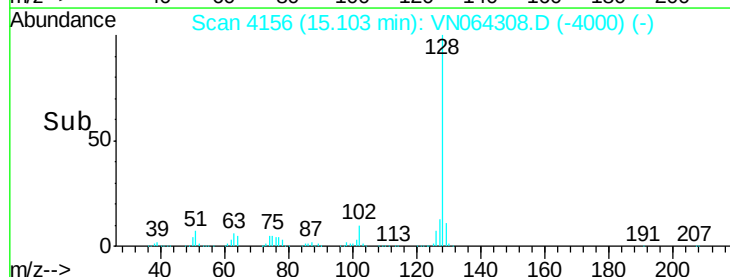
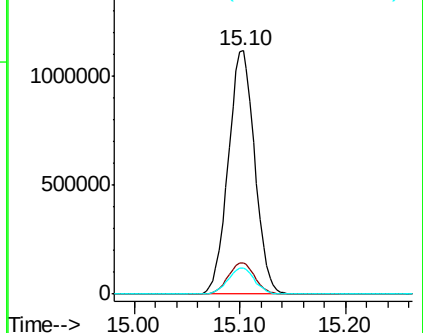
129 10.8 8.8 13.2

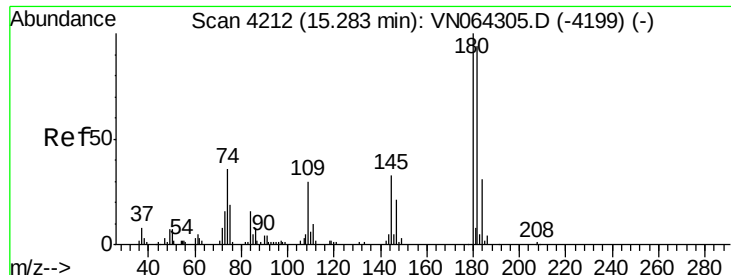


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

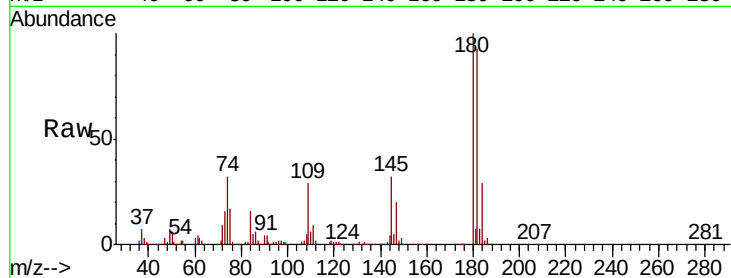




#92
 1,2,3-Trichlorobenzene
 Concen: 168.293 ug/l
 RT: 15.28 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN064308.D
 Acq: 26 Oct 2020 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	0.0	190.0
145	33.3	0.0	67.8



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

