

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064194.D
 Acq On : 20 Oct 2020 11:35
 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 20 11:53:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	53517	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	289678	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	266802	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	124850	26.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	87.70%
60) 4-Bromofluorobenzene	12.38	95	145158	31.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.03%
63) Toluene-d8	10.06	98	357849	29.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	572716	163.815	ug/l 94
3) Chloromethane	2.04	50	576926	158.957	ug/l 99
4) Vinyl Chloride	2.16	62	558280	154.621	ug/l 95
5) Bromomethane	2.51	94	333786	145.899	ug/l 99
6) Chloroethane	2.66	64	317319	142.038	ug/l 99
7) Trichlorofluoromethane	2.98	101	868370	150.225	ug/l 99
8) Diethyl Ether	3.37	74	295515	157.909	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	447631	150.320	ug/l 96
10) 1,1-Dichloroethene	3.69	96	443414	157.501	ug/l 98
11) Methyl Iodide	3.91	142	693234	189.665	ug/l 98
12) Methyl Acetate	4.27	43	498580	149.187	ug/l 96
13) Acrolein	3.57	56	273529	806.420	ug/l # 1
14) Acrylonitrile	4.93	53	1022459	741.538	ug/l 99
15) Acetone	3.78	58	279237	717.247	ug/l 94
16) Carbon Disulfide	4.01	76	1312676	158.185	ug/l 99
17) Allyl chloride	4.27	41	816600	158.211	ug/l 97
18) Methylene Chloride	4.50	84	511314	154.858	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	481694	151.747	ug/l 97
20) Diisopropyl ether	5.90	45	1555765	150.030	ug/l 95
21) 1,1-Dichloroethane	5.80	63	942374	150.714	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	566699	156.408	ug/l 99
23) tert-Butyl Alcohol	4.73	59	450237	761.192	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1478638	157.232	ug/l 99
25) Chloroform	7.33	83	966590	147.638	ug/l 97
26) Cyclohexane	7.61	56	740578	160.404	ug/l # 92
29) 1,1-Dichloropropene	7.75	75	734880	151.521	ug/l 98
30) 2-Butanone	6.78	43	1551903	675.168	ug/l 99
31) 2,2-Dichloropropane	6.78	77	903636	154.734	ug/l 98
32) 1,1,1-Trichloroethane	7.53	97	926127	150.623	ug/l 100
33) Carbon Tetrachloride	7.74	117	837891	153.962	ug/l 99
34) Benzene	8.00	78	2066806	151.364	ug/l # 89
35) Methacrylonitrile	7.13	41	352466	156.066	ug/l 94
36) 1,2-Dichloroethane	8.08	62	821804	138.514	ug/l 100
37) Trichloroethene	8.80	130	564325	155.327	ug/l 99
38) Methylcyclohexane	9.05	83	687379	164.236	ug/l 99
39) 1,2-Dichloropropane	9.08	63	548994	148.692	ug/l 98
40) Dibromomethane	9.17	93	372265	144.911	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	819523	151.201	ug/l	100
42) Vinyl Acetate	5.84	43	7202018	736.682	ug/l	100
43) Ethyl Acetate	6.88	43	668046	134.148	ug/l	95
44) Isopropyl Acetate	8.13	43	1270328	151.169	ug/l	98
45) 1,4-Dioxane	9.16	88	154296	2934.776	ug/l #	91
46) Methyl methacrylate	9.16	41	614360	148.170	ug/l	98
47) n-amyl Acetate	12.04	43	1157707	154.617	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	944496	160.186	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	968044	157.984	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	507939	146.431	ug/l	99
51) Ethyl methacrylate	10.40	69	812491	158.957	ug/l	98
52) 1,3-Dichloropropane	10.68	76	882967	148.578	ug/l	100
53) Dibromochloromethane	10.87	129	644165	159.798	ug/l	99
54) 1,2-Dibromoethane	10.98	107	552599	152.178	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	2040652	743.783	ug/l	100
56) Bromoform	12.10	173	469329	166.199	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	3382459	697.427	ug/l	99
59) 2-Hexanone	10.72	43	2526323	696.827	ug/l	99
61) Tetrachloroethene	10.60	164	521722	159.332	ug/l	97
62) Toluene	10.13	91	2283728	154.520	ug/l	100
64) Chlorobenzene	11.41	112	1433542	158.907	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	552095	157.011	ug/l	99
66) Ethyl Benzene	11.48	91	2619414	159.242	ug/l	98
67) m/p-Xylenes	11.59	106	1985941	326.516	ug/l	96
68) o-Xylene	11.92	106	952289	163.655	ug/l	94
69) Styrene	11.94	104	1648996	165.979	ug/l	99
70) Isopropylbenzene	12.22	105	2519165	162.511	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	695066	146.106	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	1043154	219.563	ug/l	49
73) Bromobenzene	12.50	156	622591	158.589	ug/l	98
74) n-propylbenzene	12.57	91	2932385	162.583	ug/l	98
75) 2-Chlorotoluene	12.65	91	1808451	164.226	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	2183430	166.842	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	299319	168.795	ug/l	96
78) 4-Chlorotoluene	12.75	91	1895958	163.337	ug/l	99
79) tert-butylbenzene	12.97	119	1786684	169.185	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	2192412	166.618	ug/l	98
81) sec-Butylbenzene	13.14	105	2312264	167.029	ug/l	99
82) p-Isopropyltoluene	13.26	119	2172281	172.066	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	1131551	163.494	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	1145343	165.358	ug/l	98
85) n-Butylbenzene	13.59	91	1939185	175.770	ug/l	99
86) Hexachloroethane	13.85	117	378010	173.848	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	1098200	162.860	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	177687	155.669	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	680388	189.042	ug/l	97
90) Hexachlorobutadiene	14.98	225	318441	171.009	ug/l	99
91) Naphthalene	15.10	128	2064382	190.518	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	655757	189.638	ug/l	100

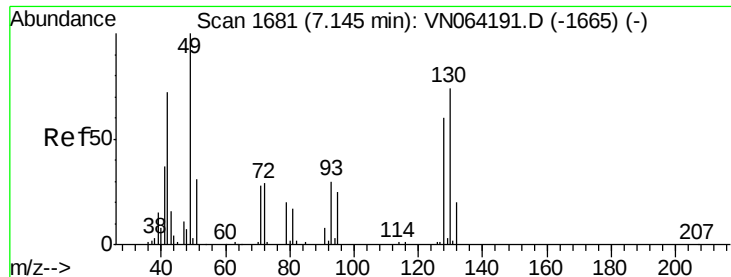
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

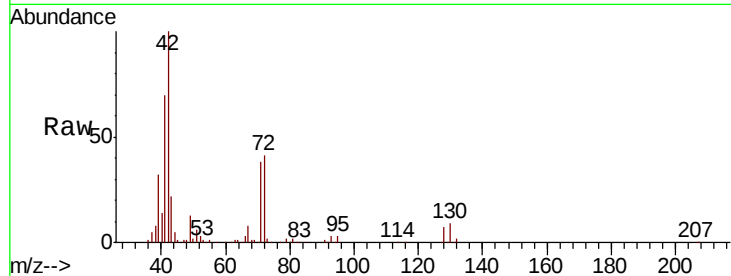
Tot Ion:128 Resp: 53517

Ion Ratio Lower Upper

128 100

49 177.0 0.0 433.3

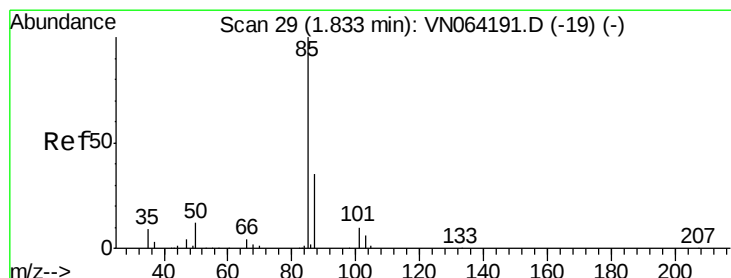
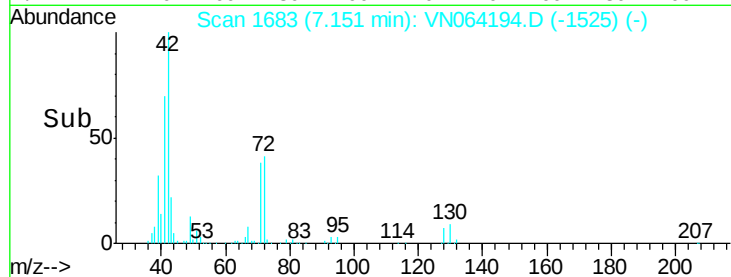
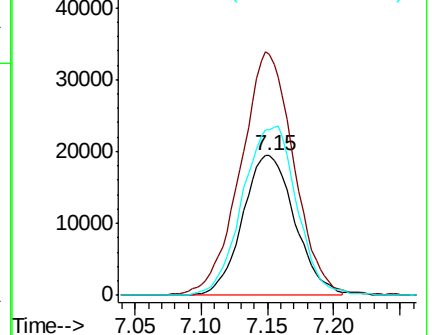
130 125.3 0.0 322.5



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: 163.815 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064194.D

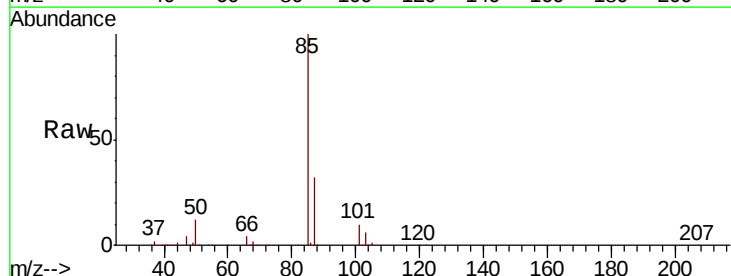
Acq: 20 Oct 2020 11:35

Tgt Ion: 85 Resp: 572716

Ion Ratio Lower Upper

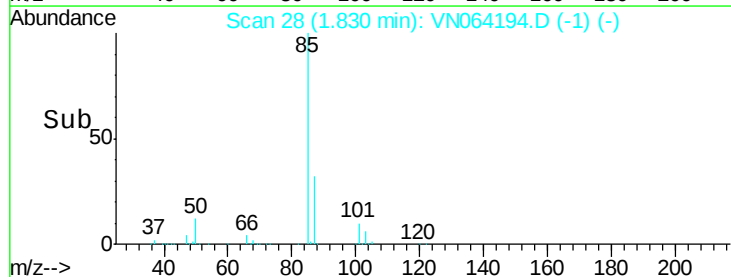
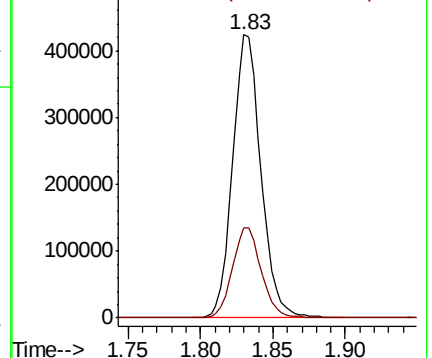
85 100

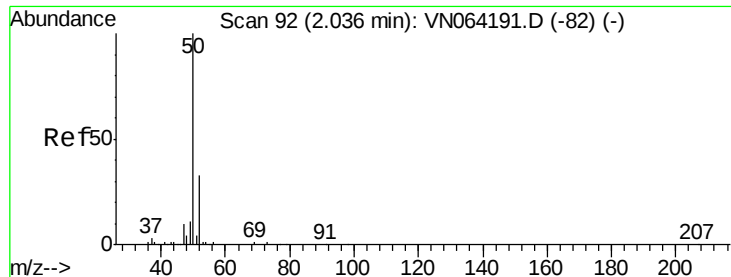
87 31.9 17.8 53.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 158.957 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

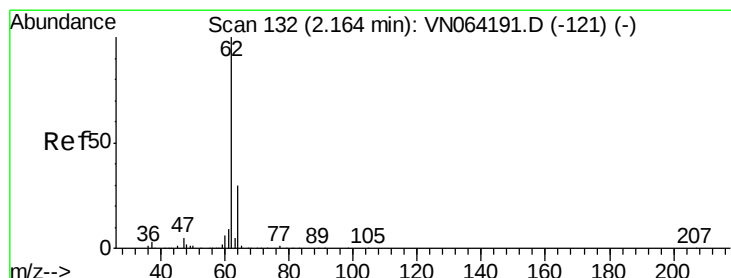
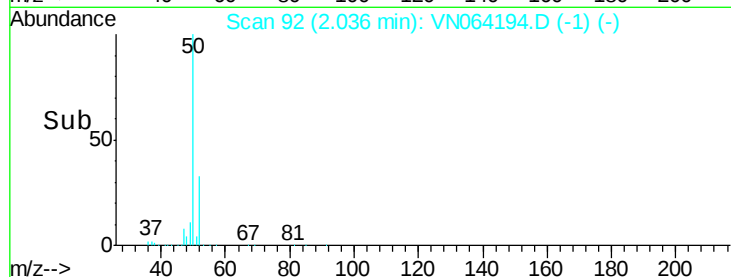
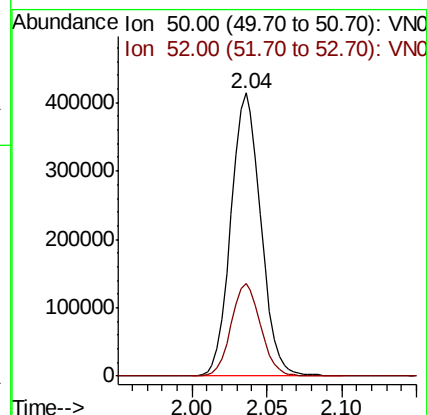
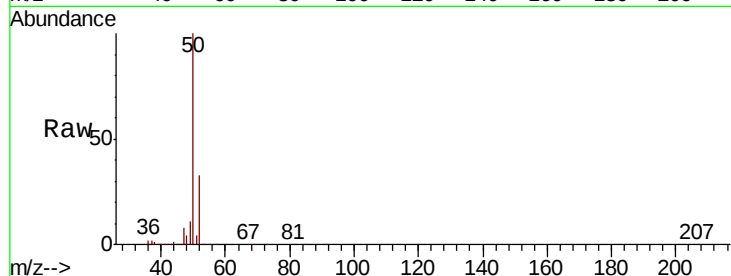
VSTDIC150

Tot Ion: 50 Resp: 576926

Ion Ratio Lower Upper

50 100

52 32.9 26.6 40.0



#4

Vinyl Chloride

Concen: 154.621 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064194.D

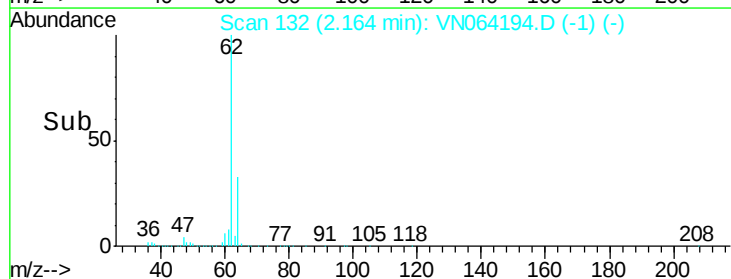
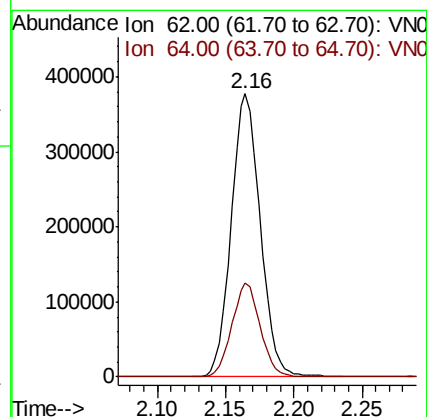
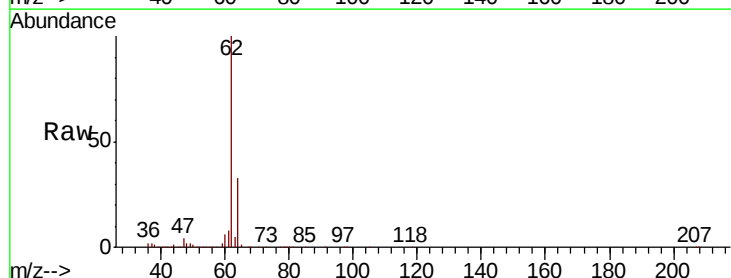
Acq: 20 Oct 2020 11:35

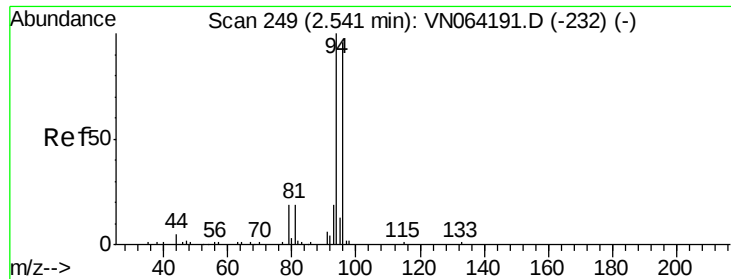
Tgt Ion: 62 Resp: 558280

Ion Ratio Lower Upper

62 100

64 33.1 24.4 36.6





#5

Bromomethane

Concen: 145.899 ug/l

RT: 2.51 min Scan# 241

Delta R.T. -0.03 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

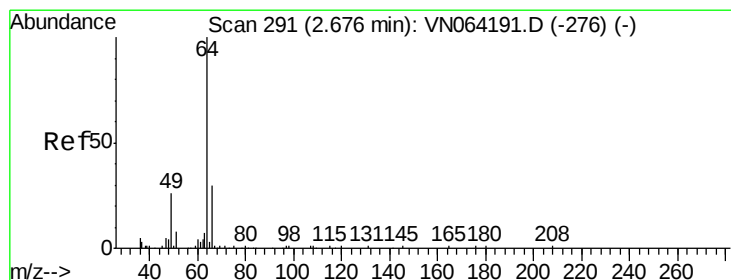
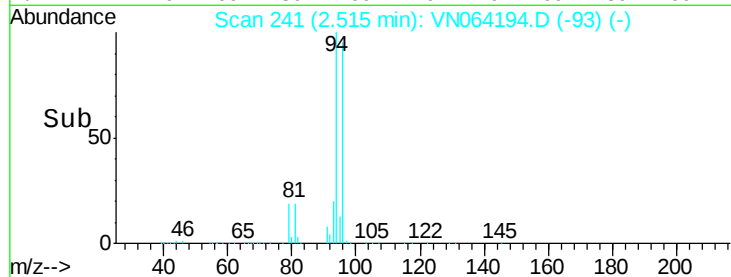
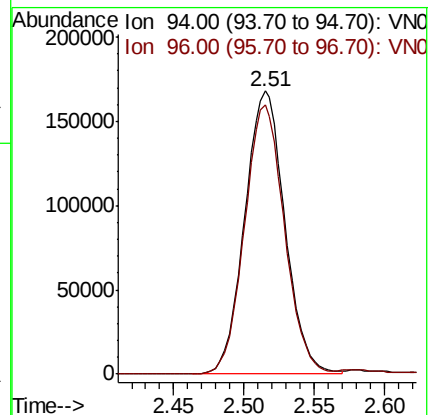
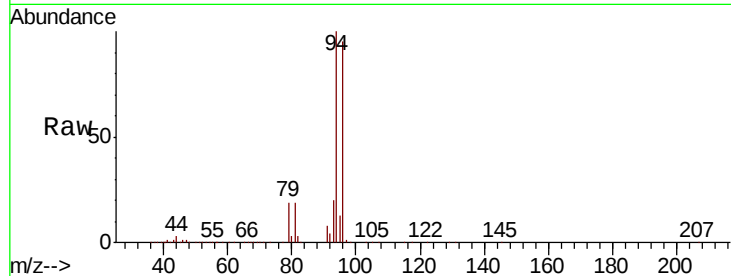
VSTDICC150

Tot Ion: 94 Resp: 333786

Ion Ratio Lower Upper

94 100

96 94.9 76.6 115.0



#6

Chloroethane

Concen: 142.038 ug/l

RT: 2.66 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN064194.D

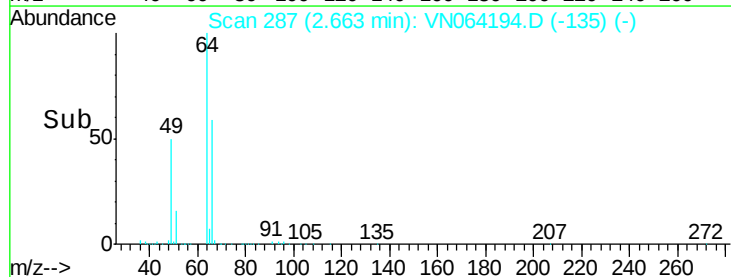
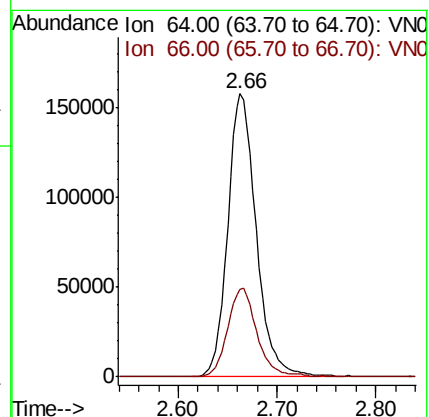
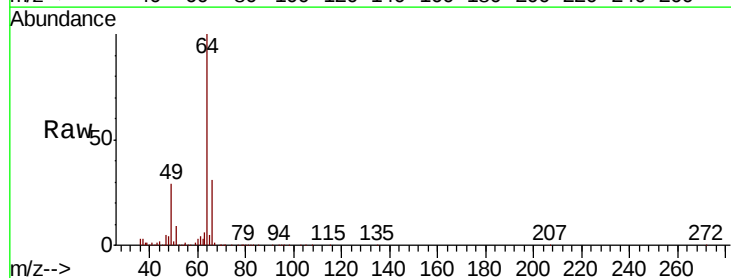
Acq: 20 Oct 2020 11:35

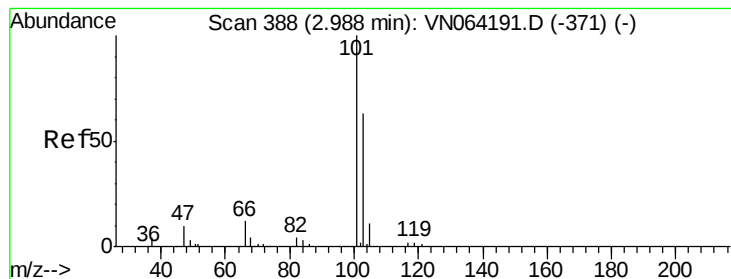
Tgt Ion: 64 Resp: 317319

Ion Ratio Lower Upper

64 100

66 30.9 24.3 36.5



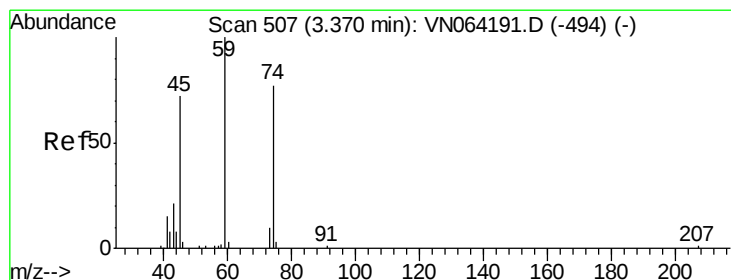
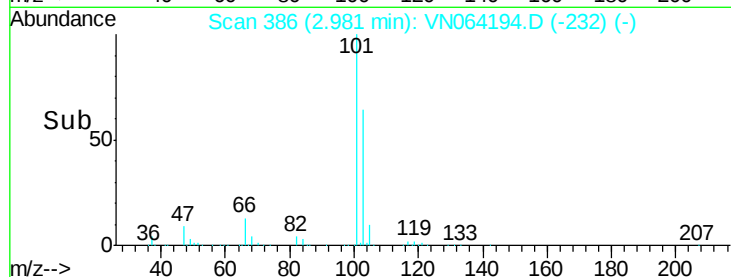
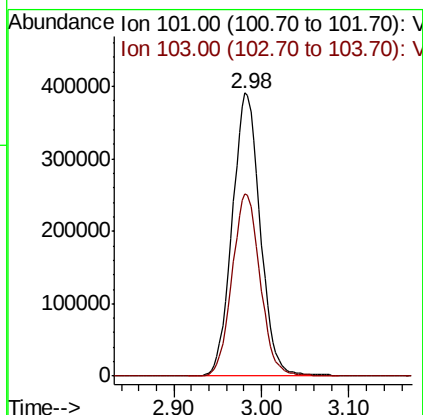
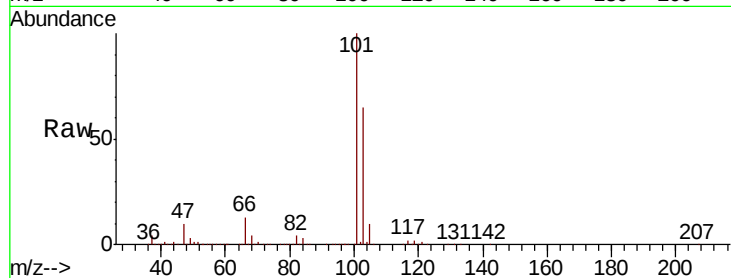


#7

Trichlorofluoromethane
Concen: 150.225 ug/l
RT: 2.98 min Scan# 386
Delta R.T. -0.01 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

Instrument :
MSVOA_N
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VSTDIC150

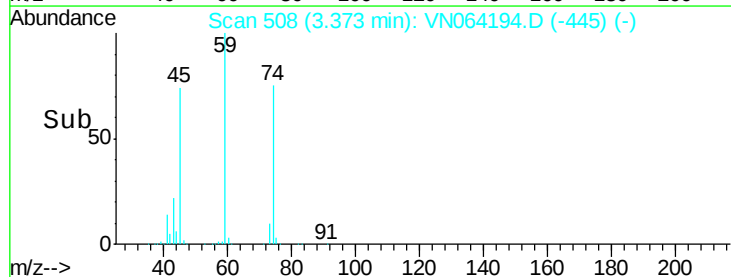
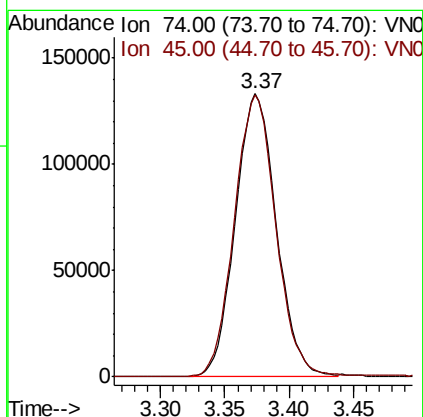
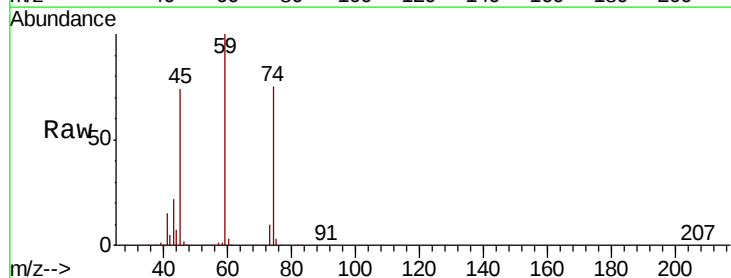
Tot Ion:101 Resp: 868370
Ion Ratio Lower Upper
101 100
103 64.5 50.7 76.1

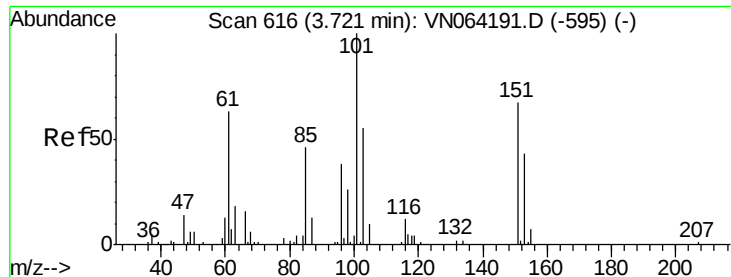


#8

Diethyl Ether
Concen: 157.909 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

Tgt Ion: 74 Resp: 295515
Ion Ratio Lower Upper
74 100
45 100.3 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 150.320 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

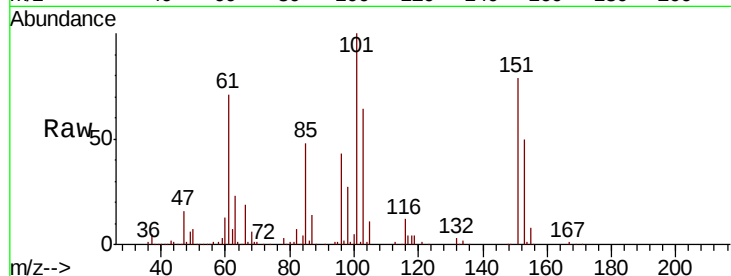
Tot Ion:101 Resp: 447631

Ion Ratio Lower Upper

101 100

85 47.6 0.0 94.0

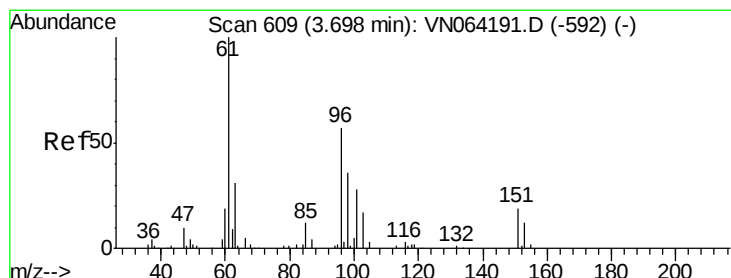
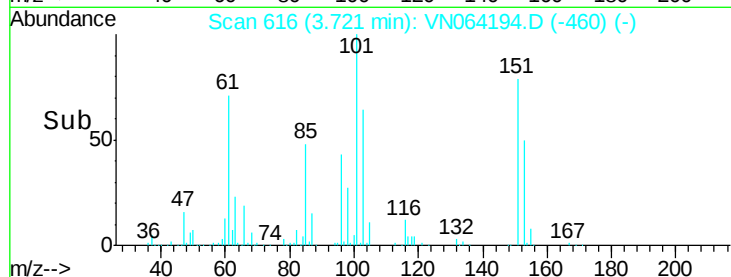
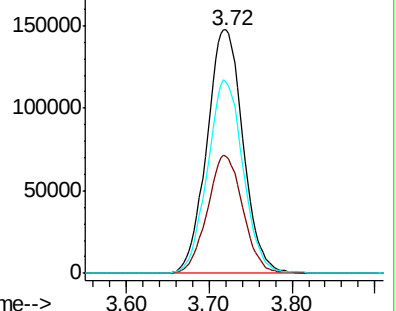
151 78.2 0.0 146.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 157.501 ug/l

RT: 3.69 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

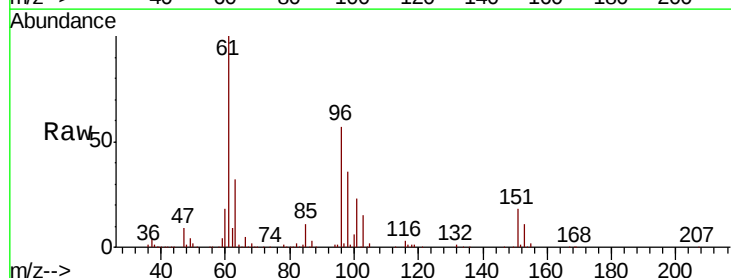
Tgt Ion: 96 Resp: 443414

Ion Ratio Lower Upper

96 100

61 174.1 141.0 211.4

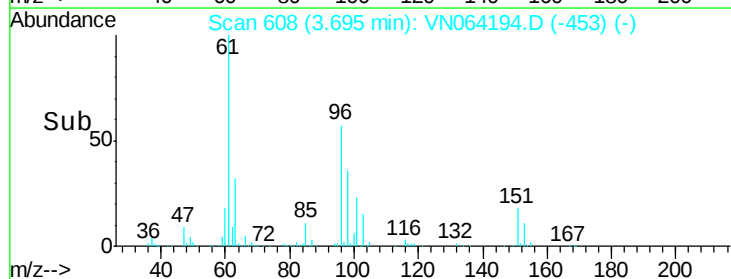
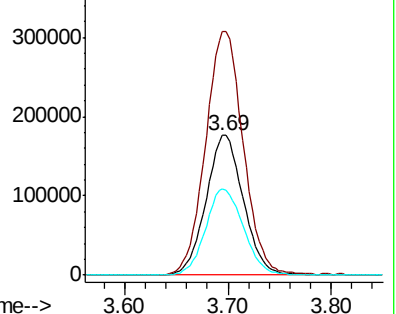
98 61.9 51.4 77.2

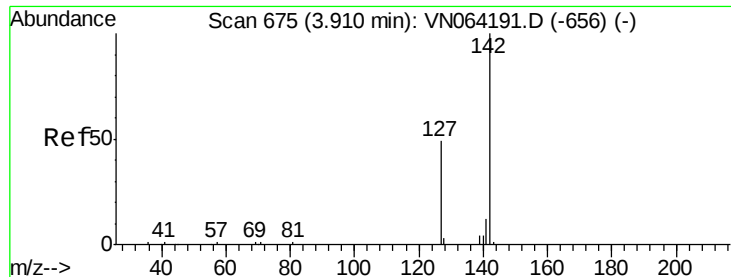


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

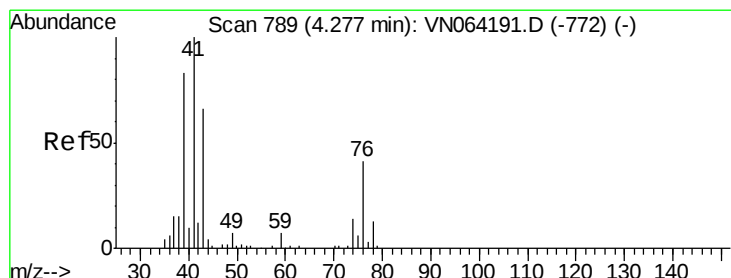
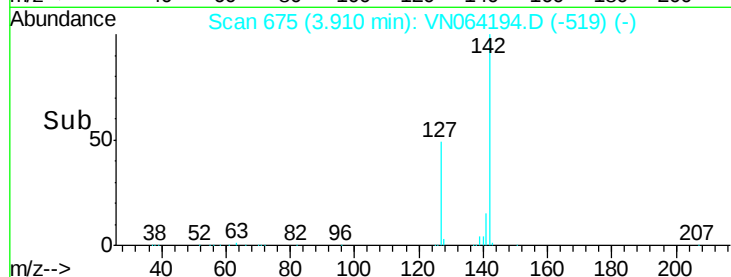
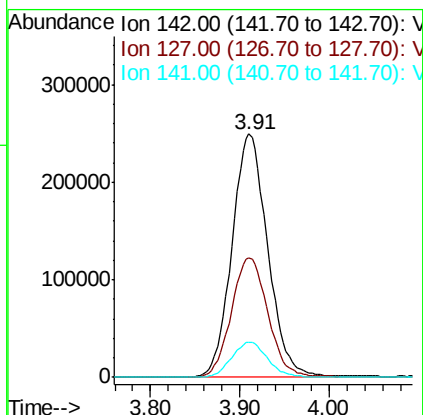
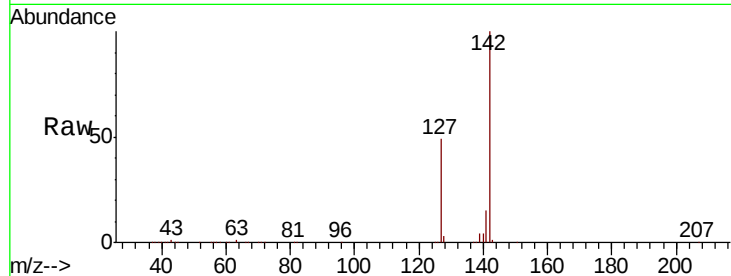




#11
Methyl Iodide
Concen: 189.665 ug/l
RT: 3.91 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

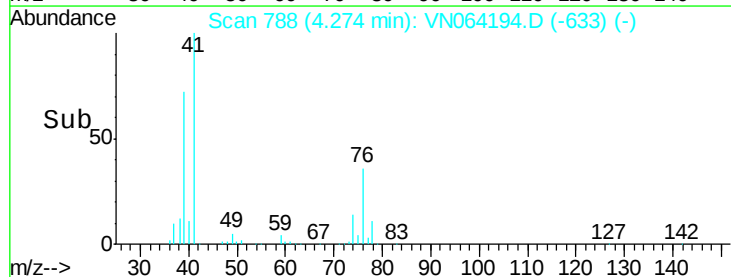
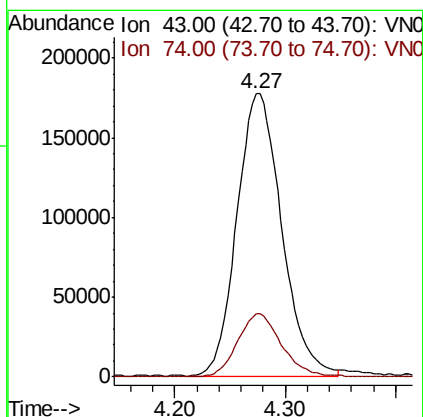
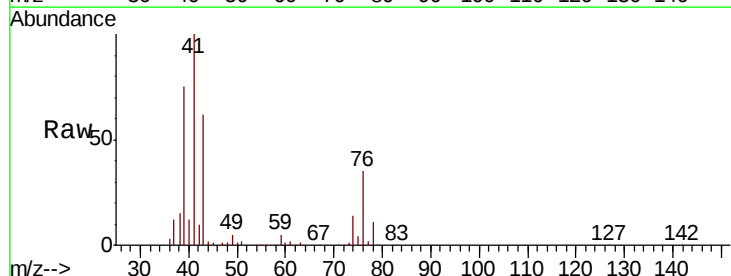
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

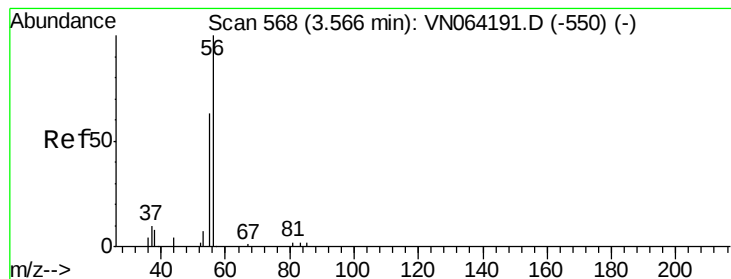
Tot Ion:142 Resp: 693234
Ion Ratio Lower Upper
142 100
127 49.2 24.5 73.5
141 14.6 6.0 18.1



#12
Methyl Acetate
Concen: 149.187 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

Tgt Ion: 43 Resp: 498580
Ion Ratio Lower Upper
43 100
74 22.2 16.2 24.2





#13

Acrolein

Concen: 806.420 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

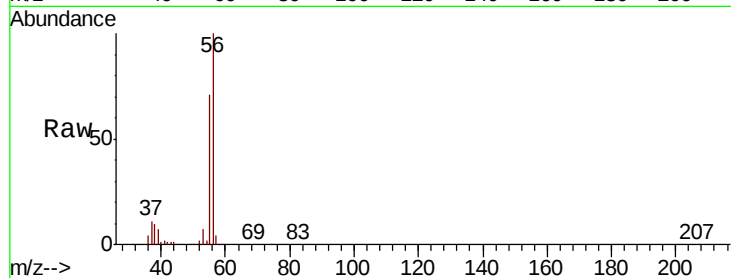
VSTDIC150

Tot Ion: 56 Resp: 273529

Ion Ratio Lower Upper

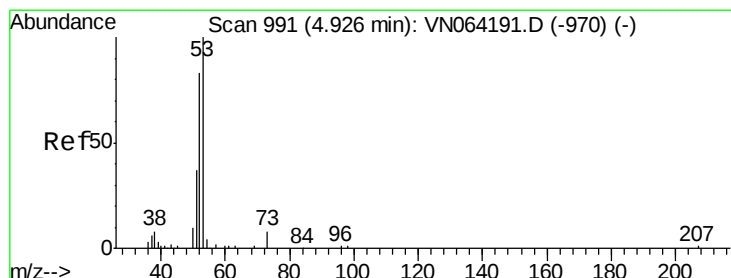
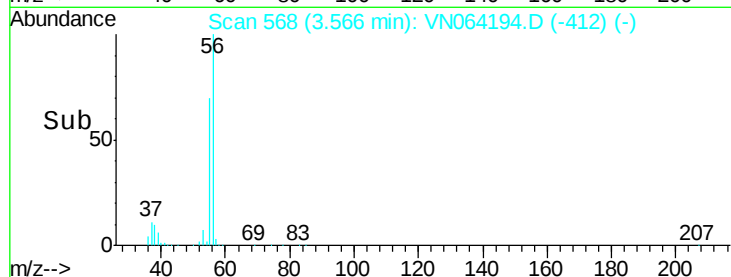
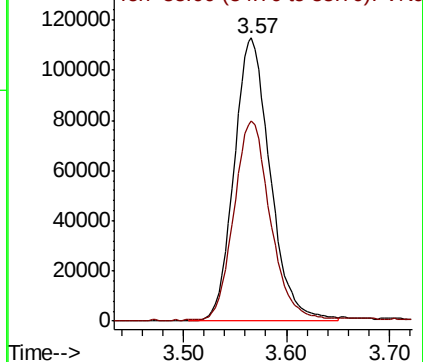
56 100

55 70.9 0.5 0.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 741.538 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

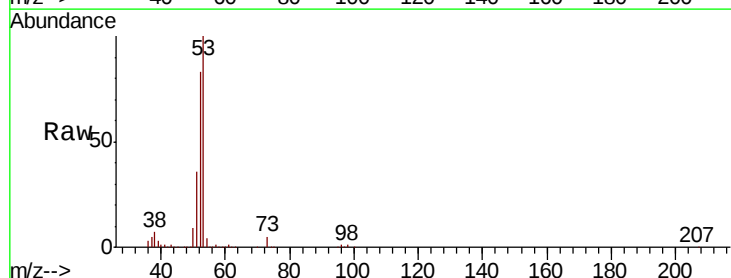
Tgt Ion: 53 Resp: 1022459

Ion Ratio Lower Upper

53 100

52 82.5 41.3 123.9

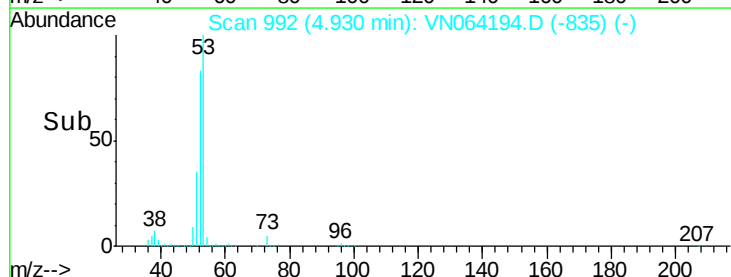
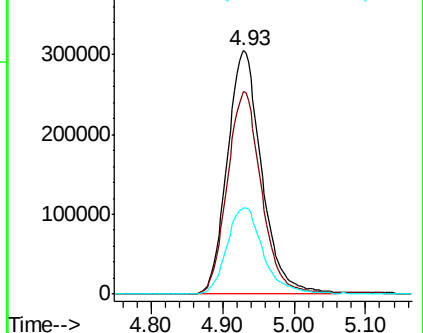
51 37.5 18.1 54.1

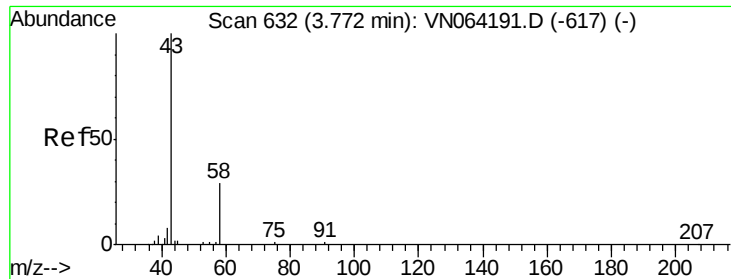


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 717.247 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

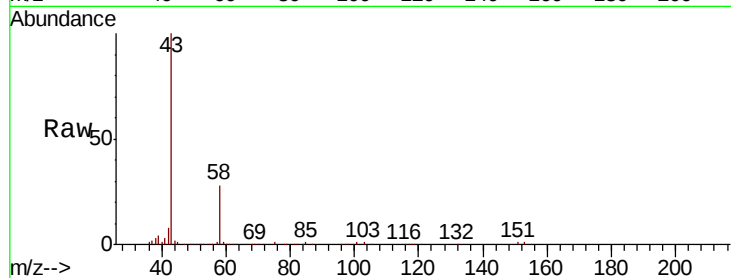
VSTDIC150

Tot Ion: 58 Resp: 279237

Ion Ratio Lower Upper

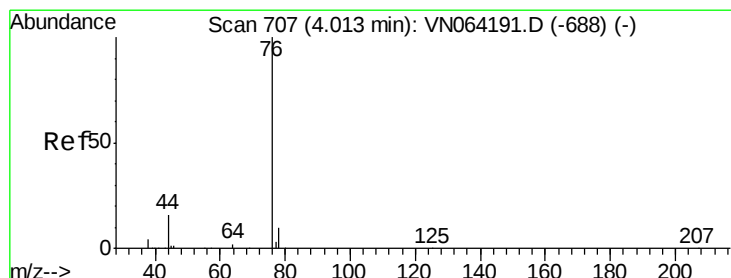
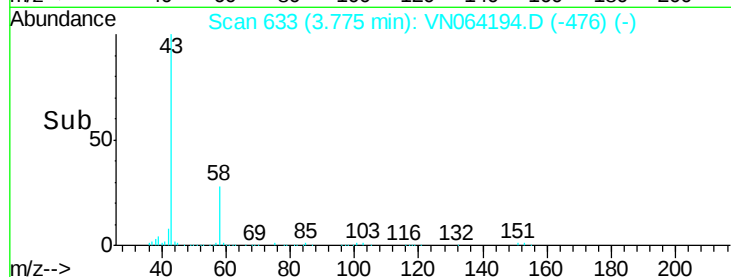
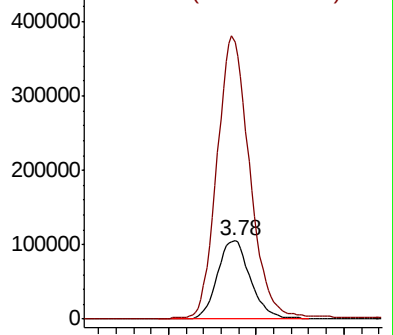
58 100

43 352.6 272.1 408.1



Abundance Ion 58.00 (57.70 to 58.70): VN064194.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VN064194.D (-617) (-)



#16

Carbon Disulfide

Concen: 158.185 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064194.D

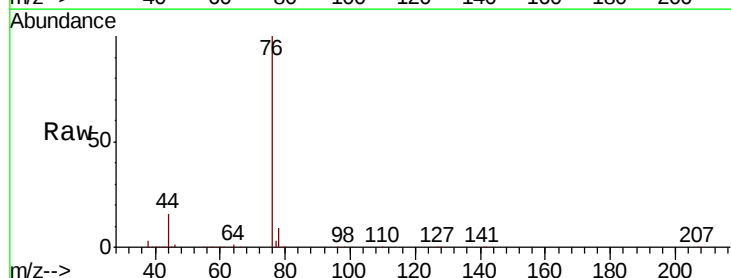
Acq: 20 Oct 2020 11:35

Tgt Ion: 76 Resp: 1312676

Ion Ratio Lower Upper

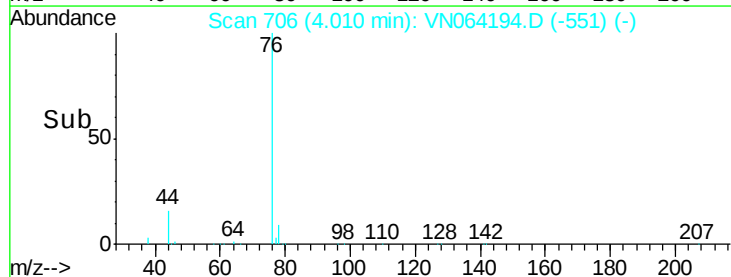
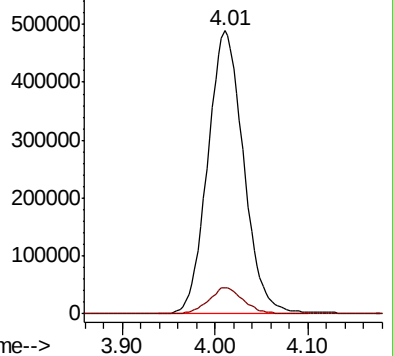
76 100

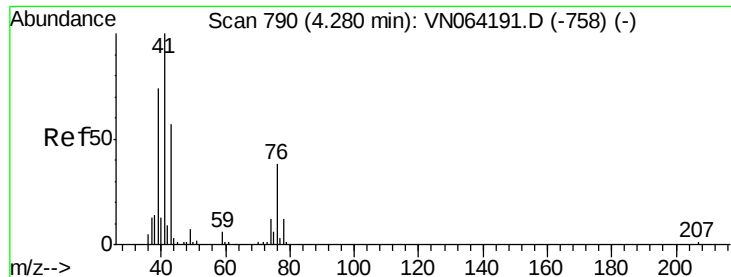
78 9.4 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN064194.D (-688) (-)

Ion 78.00 (77.70 to 78.70): VN064194.D (-688) (-)

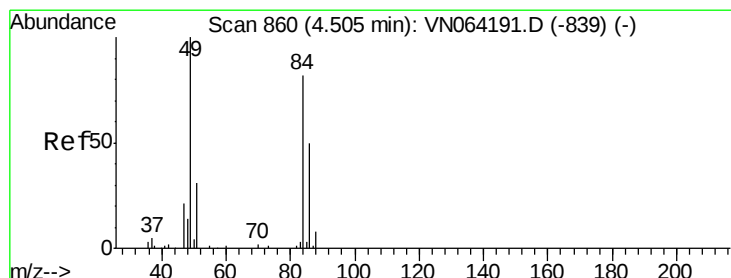
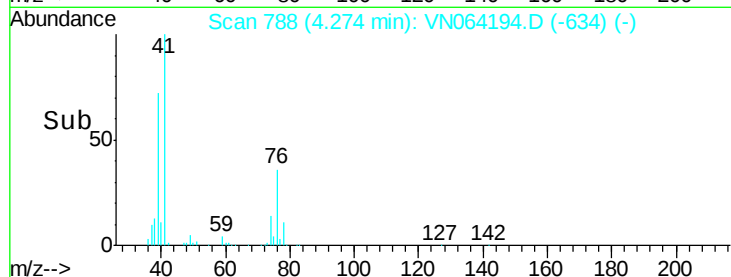
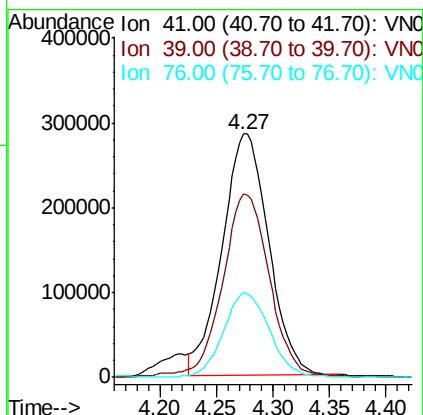
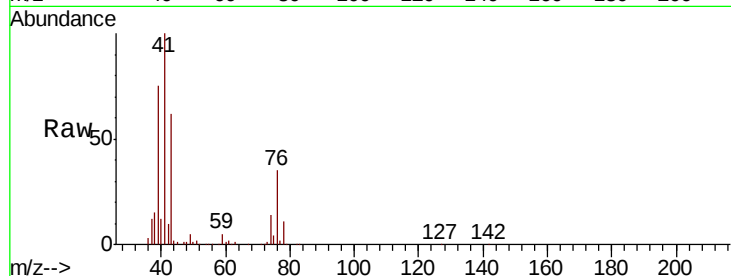




#17
Allvl chloride
Concen: 158.211 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

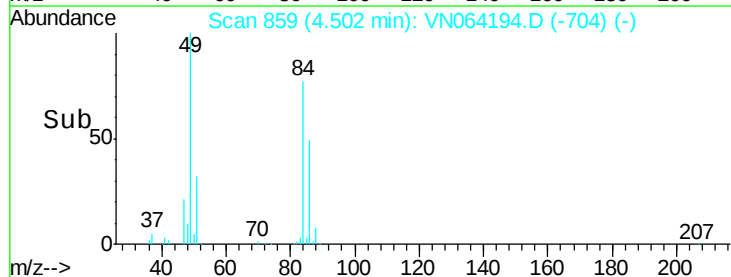
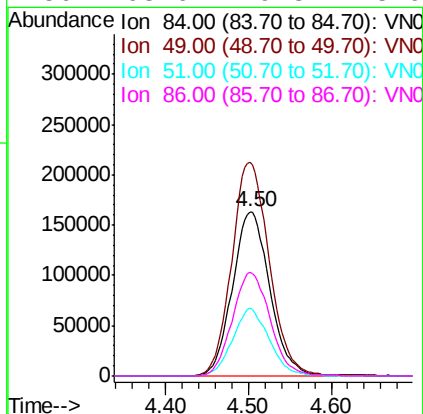
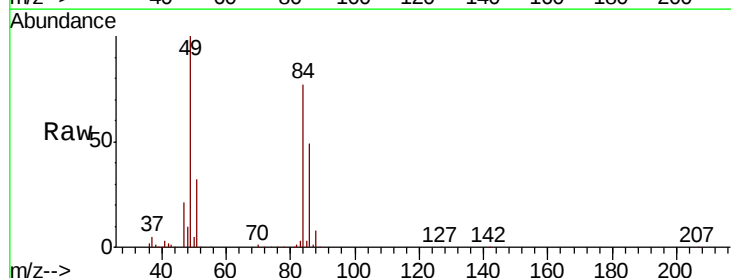
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

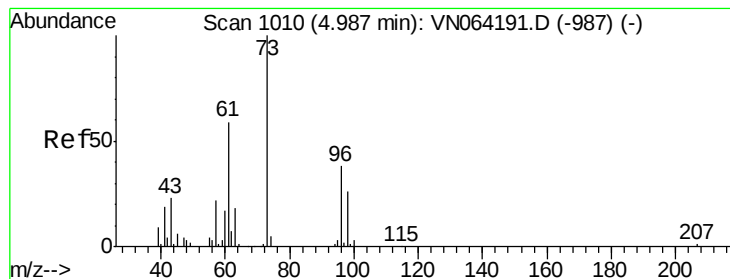
Tot Ion:	41	Resp:	816600
Ion	Ratio	Lower	Upper
41	100		
39	75.2	36.8	110.4
76	34.6	18.8	56.4



#18
Methylene Chloride
Concen: 154.858 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

Tgt Ion:	84	Resp:	511314
Ion	Ratio	Lower	Upper
84	100		
49	130.0	97.6	146.4
51	41.2	31.1	46.7
86	63.6	49.3	73.9





#19

trans-1,2-Dichloroethene

Concen: 151.747 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

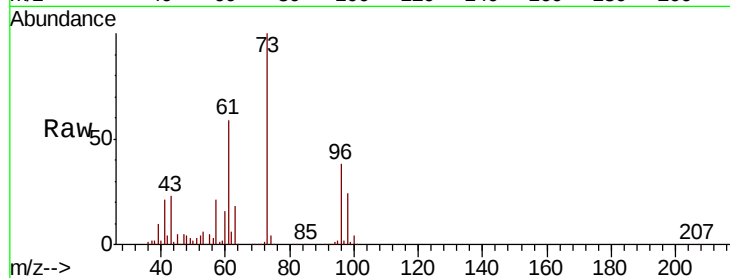
Tot Ion: 96 Resp: 481694

Ion Ratio Lower Upper

96 100

61 154.0 125.5 188.3

98 64.0 54.7 82.1

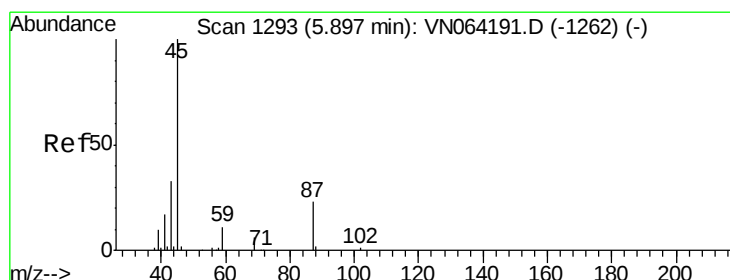
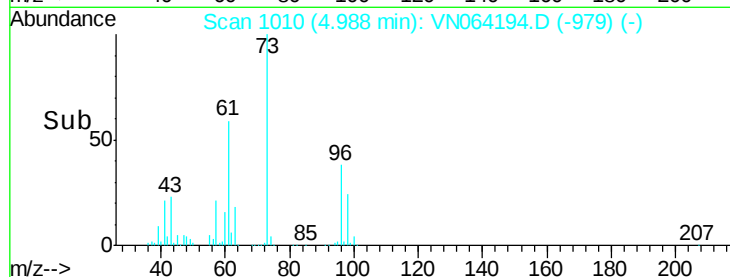
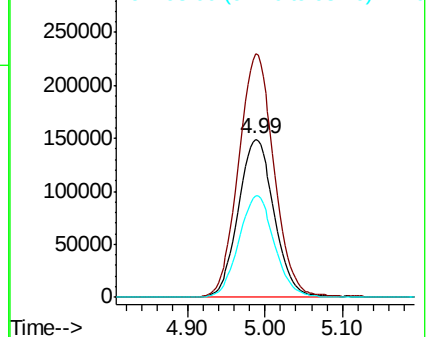


Abundance

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: 150.030 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Tgt Ion: 45 Resp: 1555765

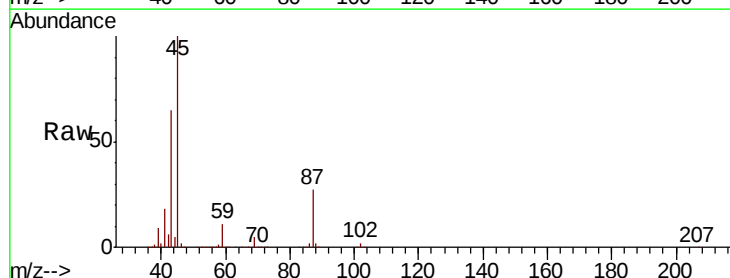
Ion Ratio Lower Upper

45 100

43 64.2 55.1 82.7

87 26.8 19.4 29.2

59 11.2 8.7 13.1



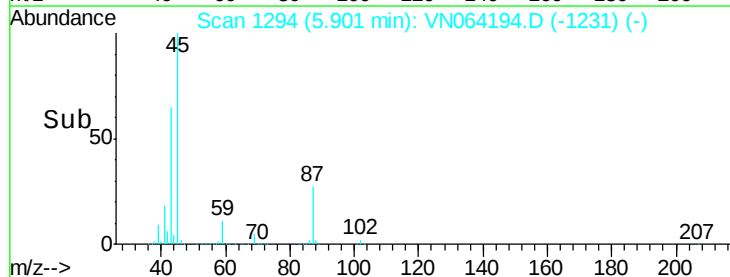
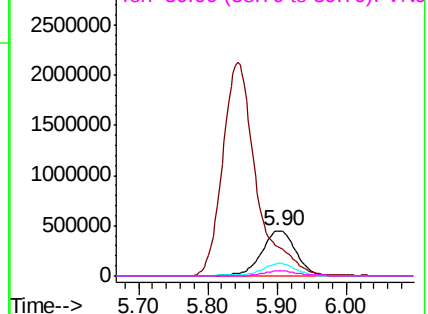
Abundance

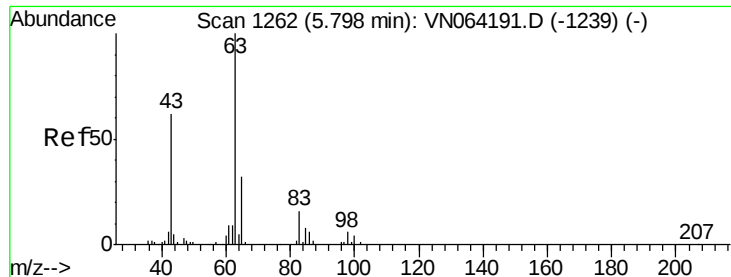
Ion 45.00 (44.70 to 45.70): VN0

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

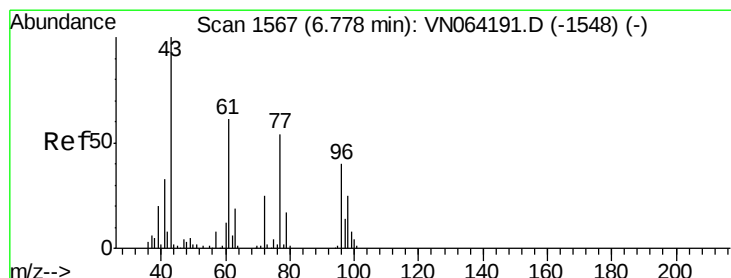
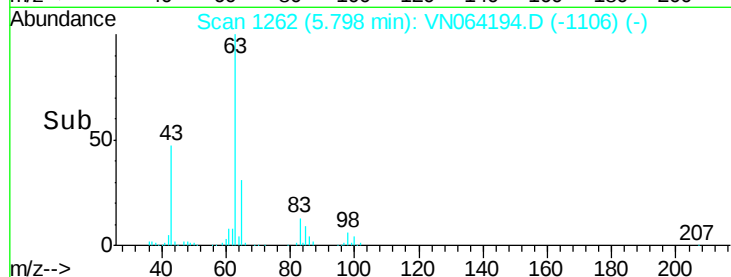
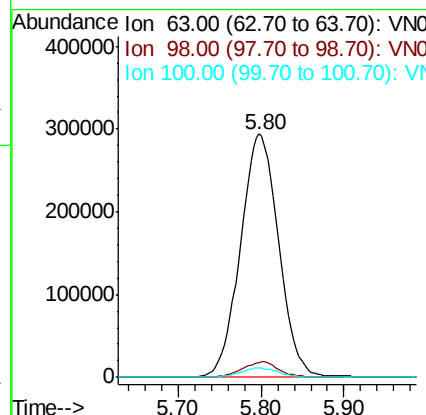
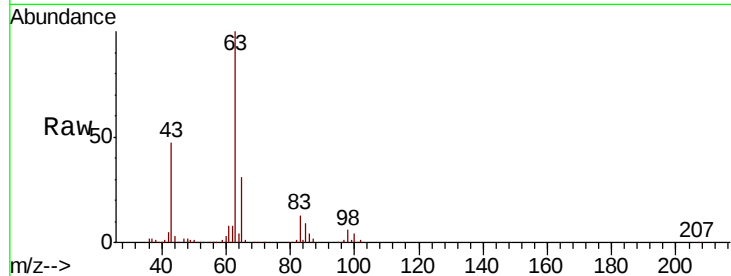




#21
 1,1-Dichloroethane
 Concen: 150.714 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

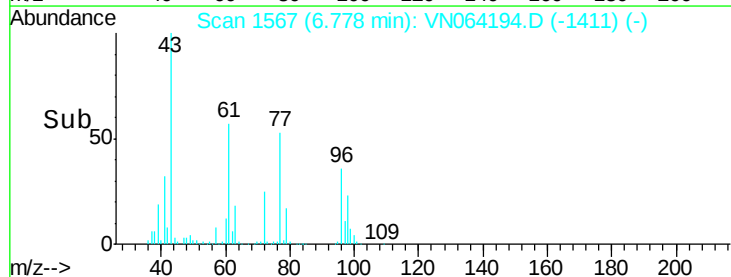
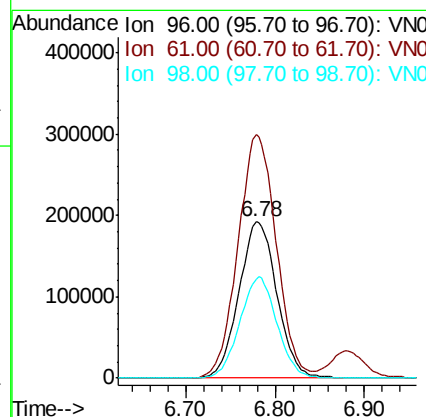
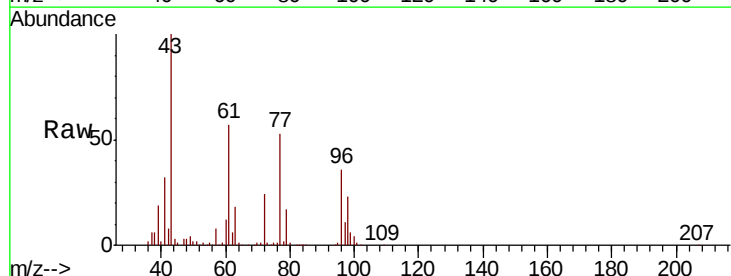
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

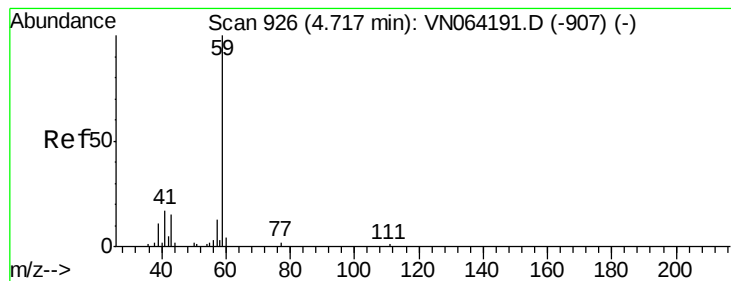
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.9	8.7
100	3.7	2.1	6.3



#22
 cis-1,2-Dichloroethene
 Concen: 156.408 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.5	126.2	189.4
98	63.4	50.2	75.4





#23

tert-Butyl Alcohol

Concen: 761.192 ug/l

RT: 4.73 min Scan# 931

Delta R.T. 0.02 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampled :

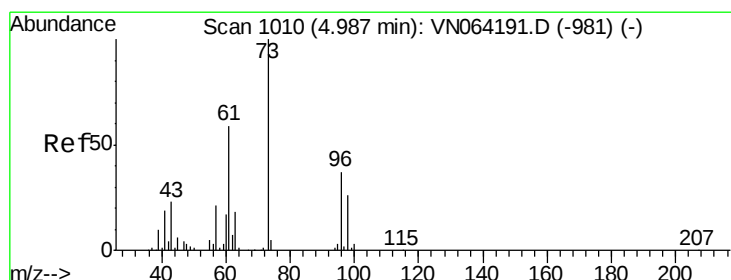
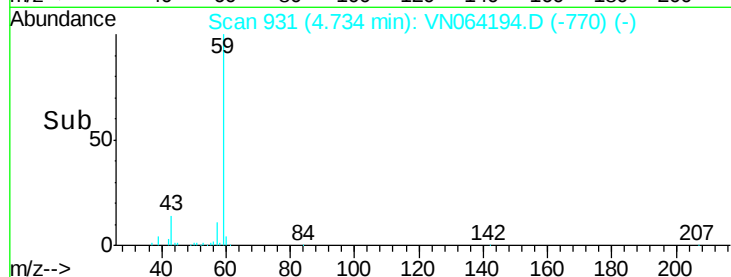
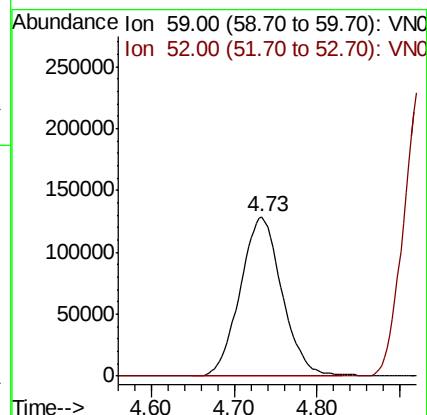
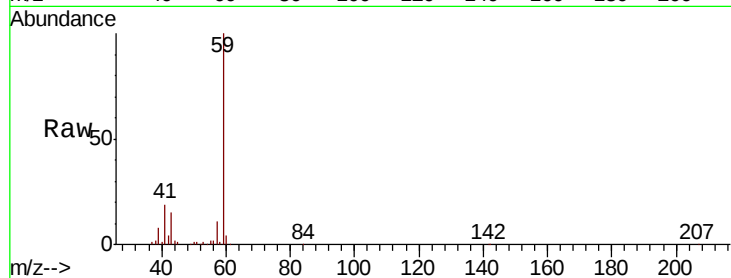
VSTDIC150

Tot Ion: 59 Resp: 450237

Ion Ratio Lower Upper

59 100

52 0.1 0.0 0.0#



#24

Methyl tert-Butyl Ether

Concen: 157.232 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN064194.D

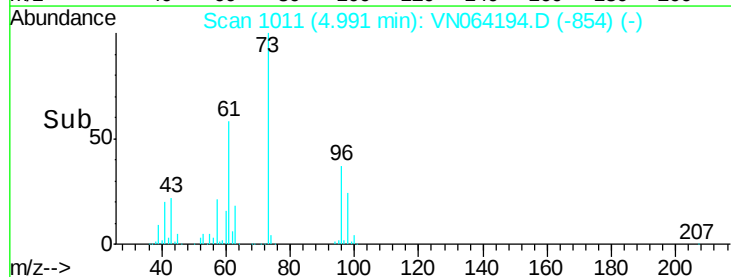
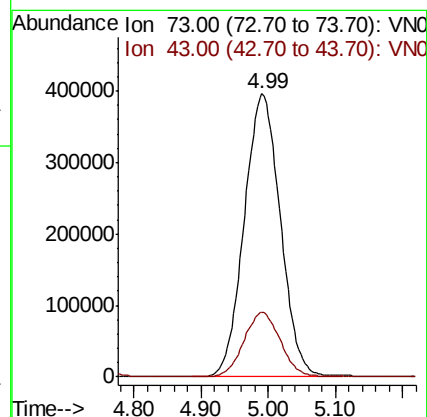
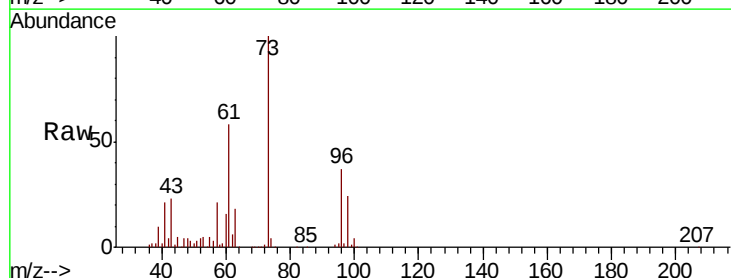
Acq: 20 Oct 2020 11:35

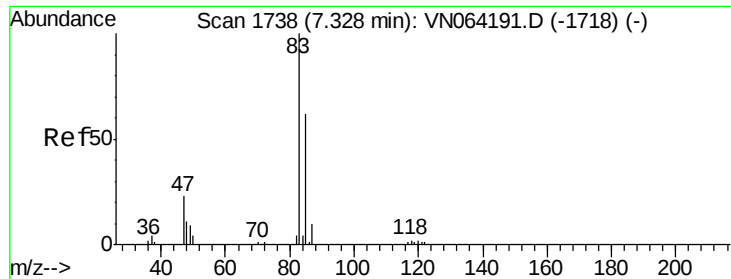
Tgt Ion: 73 Resp: 1478638

Ion Ratio Lower Upper

73 100

43 22.4 18.2 27.2





#25

Chloroform

Concen: 147.638 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

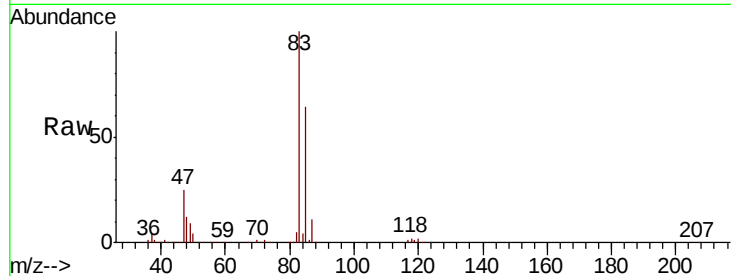
VSTDIC150

Tot Ion: 83 Resp: 966590

Ion Ratio Lower Upper

83 100

85 64.3 49.7 74.5



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 85.00 (84.70 to 85.70): VNO

7.33

400000

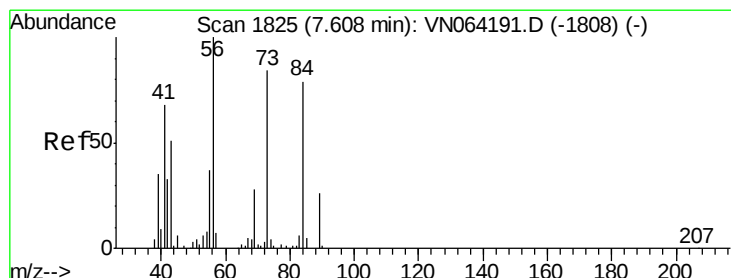
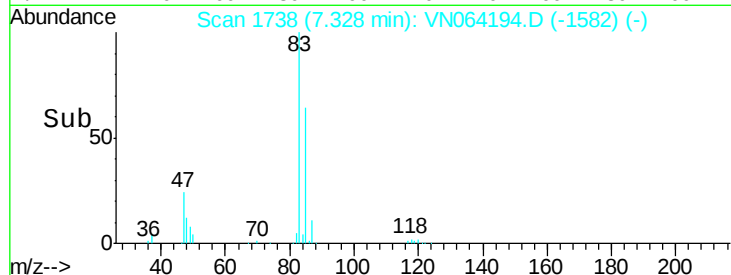
300000

200000

100000

0

Time-->



#26

Cyclohexane

Concen: 160.404 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

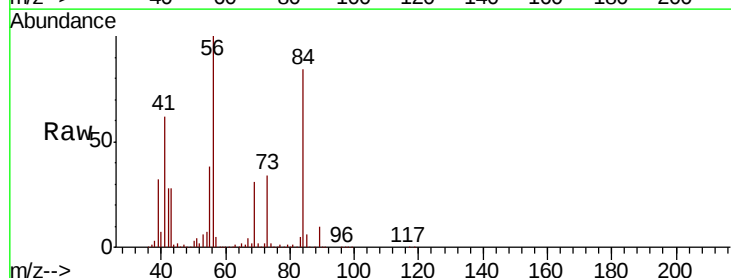
Tgt Ion: 56 Resp: 740578

Ion Ratio Lower Upper

56 100

89 9.9 21.4 32.0#

84 82.6 65.8 98.6



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

500000

400000

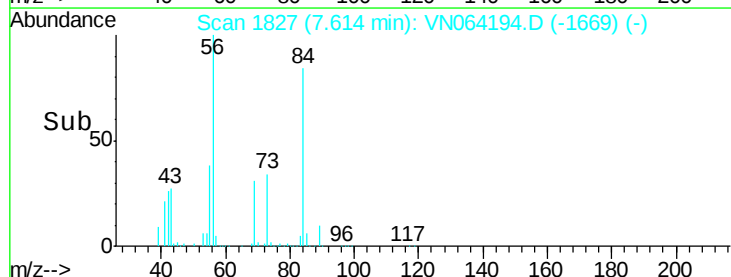
300000

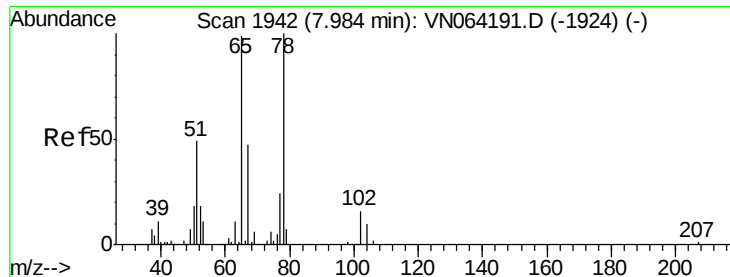
200000

100000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 26.307 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

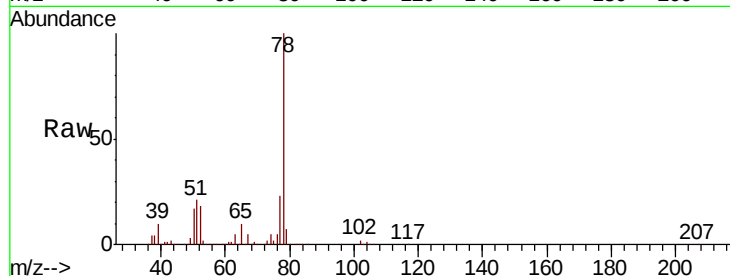
VSTDIC150

Tot Ion: 65 Resp: 124850

Ion Ratio Lower Upper

65 100

67 50.6 39.8 59.6



Abundance Ion 65.00 (64.70 to 65.70): VN064194.D (-1786) (-)

Ion 67.00 (66.70 to 67.70): VN064194.D (-1786) (-)

7.99

60000

50000

40000

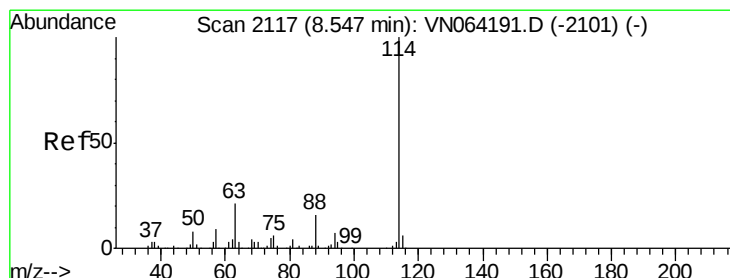
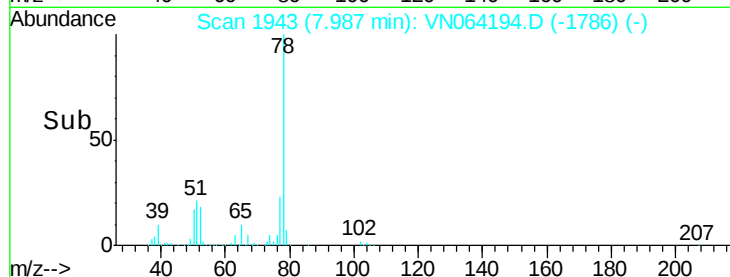
30000

20000

10000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

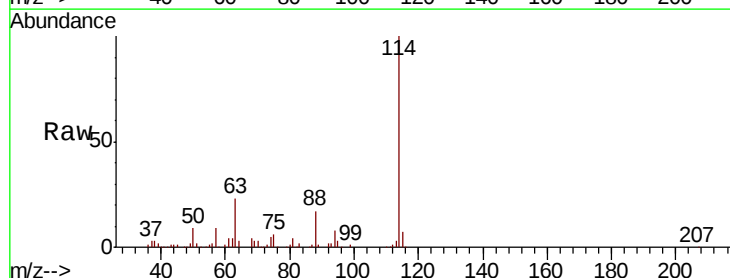
Tgt Ion: 114 Resp: 289678

Ion Ratio Lower Upper

114 100

63 22.1 17.0 25.4

88 16.7 13.0 19.4



Abundance Ion 114.00 (113.70 to 114.70): VN064194.D (-1961) (-)

Ion 63.00 (62.70 to 63.70): VN064194.D (-1961) (-)

Ion 88.00 (87.70 to 88.70): VN064194.D (-1961) (-)

8.55

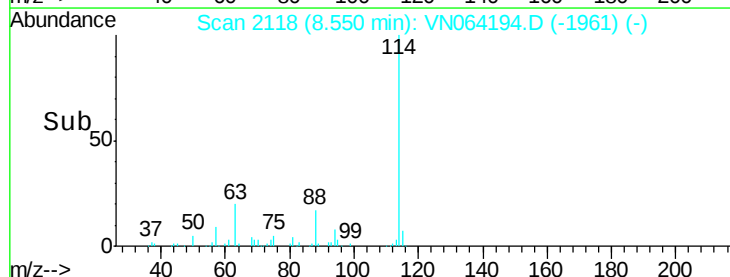
150000

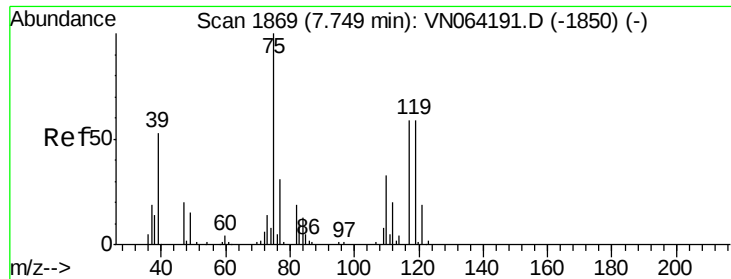
100000

50000

0

Time-->

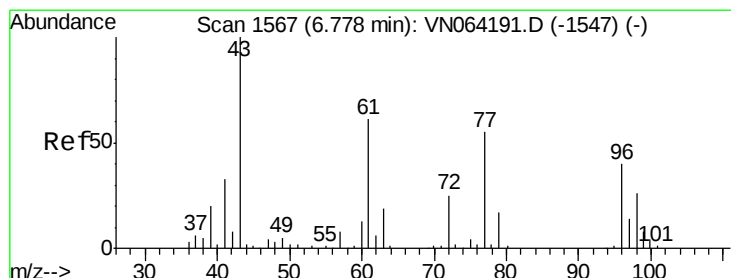
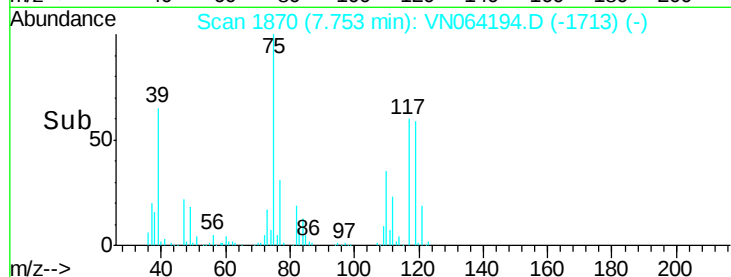
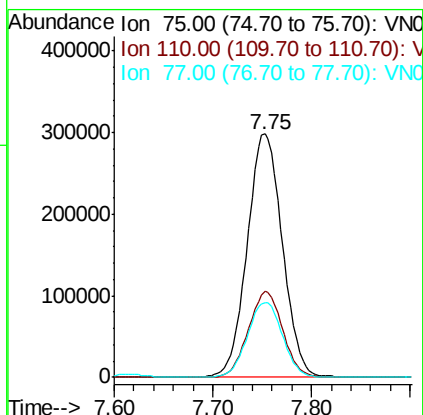
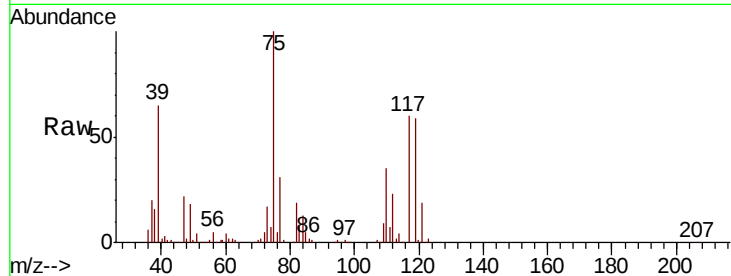




#29
 1,1-Dichloropropene
 Concen: 151.521 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

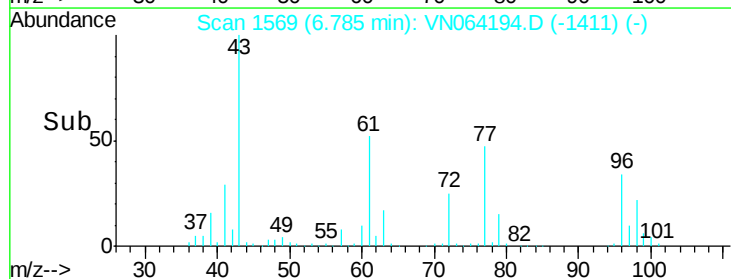
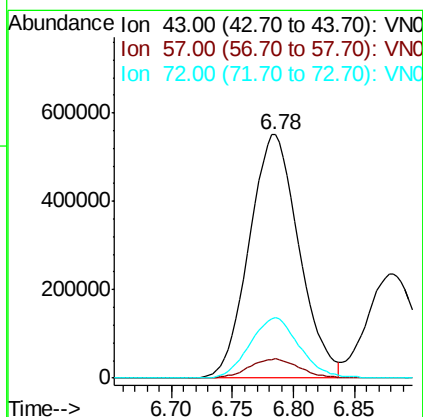
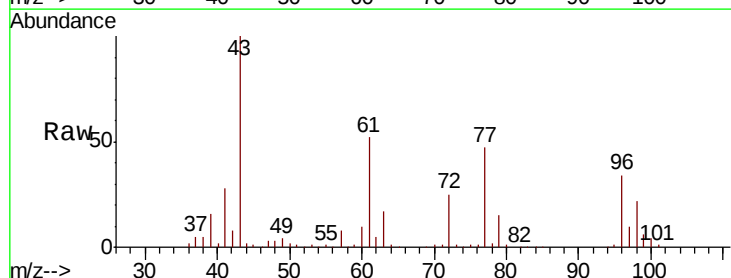
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

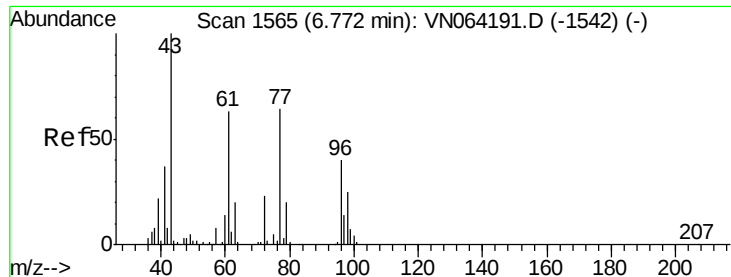
Tot Ion	75	Resp	734880
Ion	Ratio	Lower	Upper
75	100		
110	34.4	0.0	66.8
77	30.7	0.0	63.6



#30
 2-Butanone
 Concen: 675.168 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

Tgt Ion	43	Resp	1551903
Ion	Ratio	Lower	Upper
43	100		
57	8.1	5.8	8.6
72	25.0	19.8	29.8

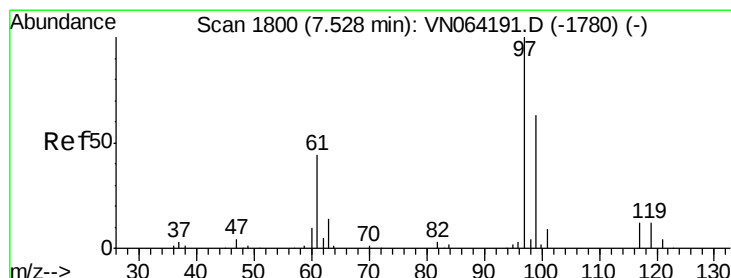
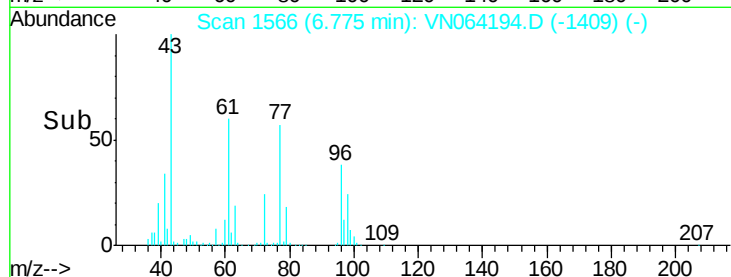
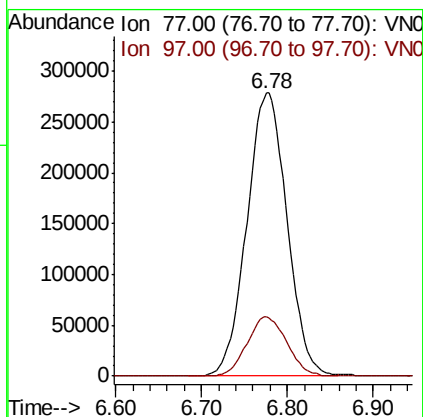
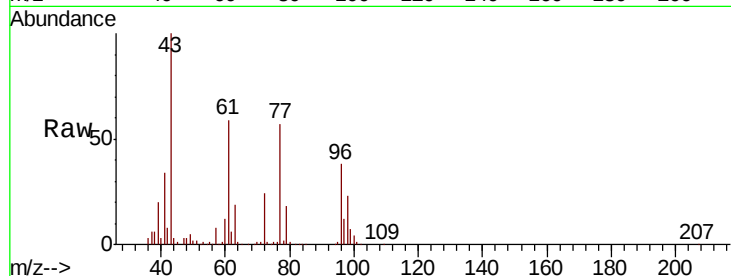




#31
 2,2-Dichloropropane
 Concen: 154.734 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

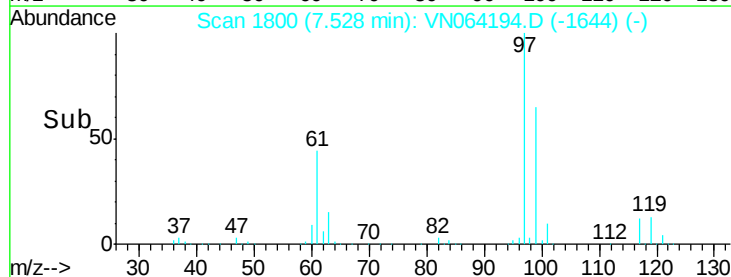
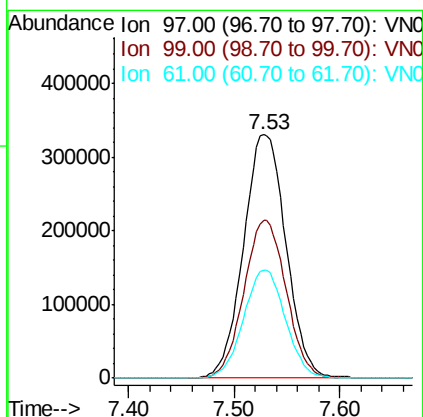
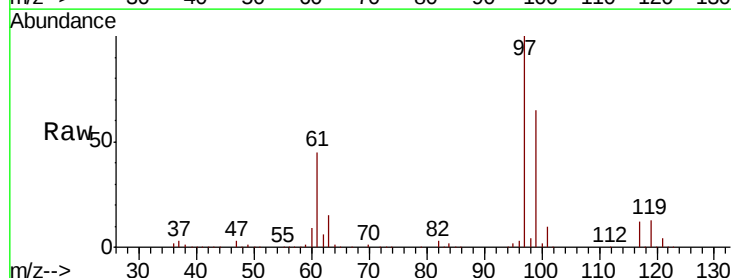
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

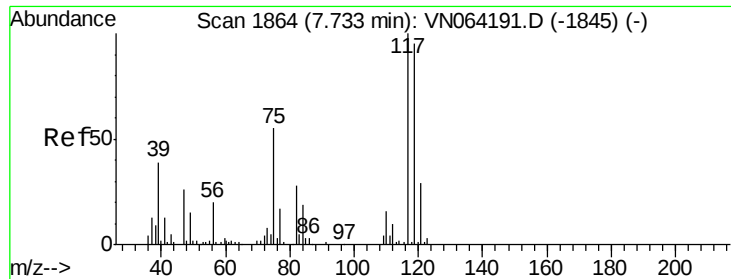
Tot Ion: 77 Resp: 903636
 Ion Ratio Lower Upper
 77 100
 97 20.9 17.3 25.9



#32
 1,1,1-Trichloroethane
 Concen: 150.623 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

Tgt Ion: 97 Resp: 926127
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.3 76.9
 61 43.7 34.8 52.2

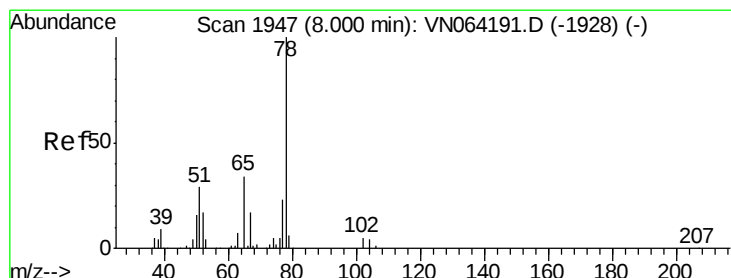
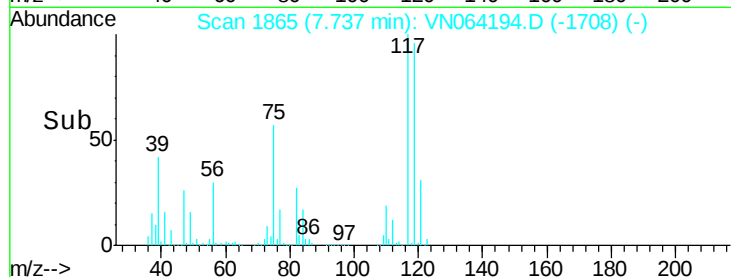
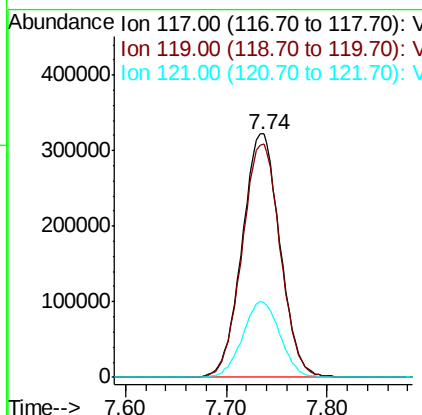
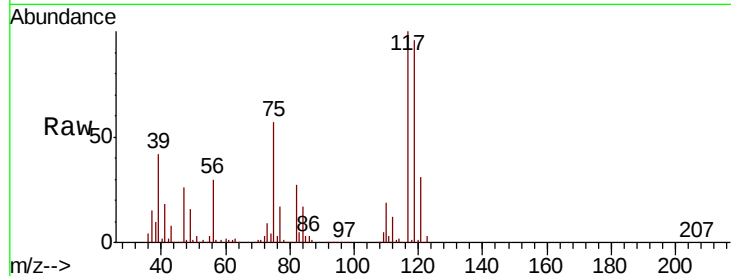




#33
Carbon Tetrachloride
Concen: 153.962 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

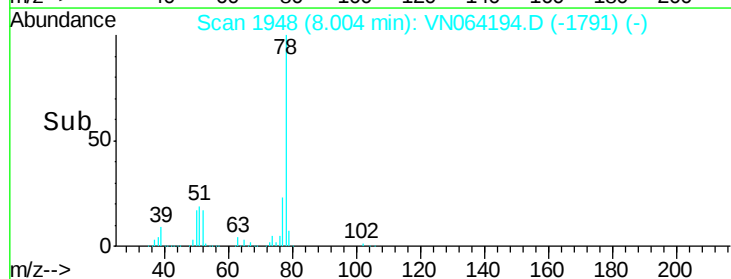
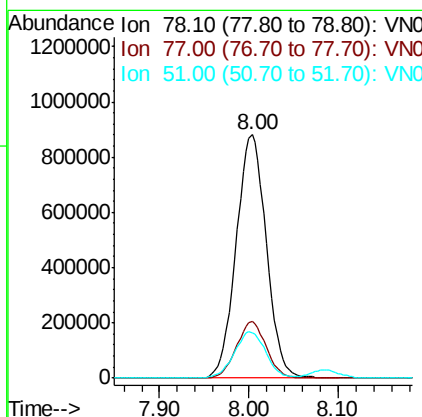
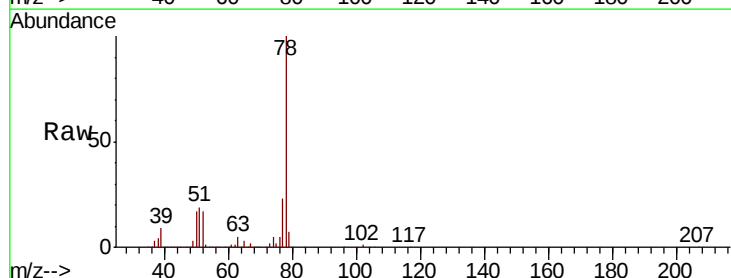
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

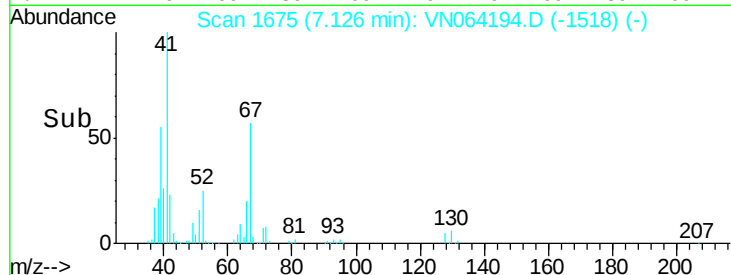
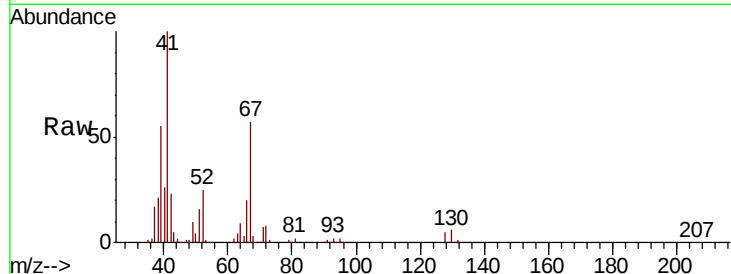
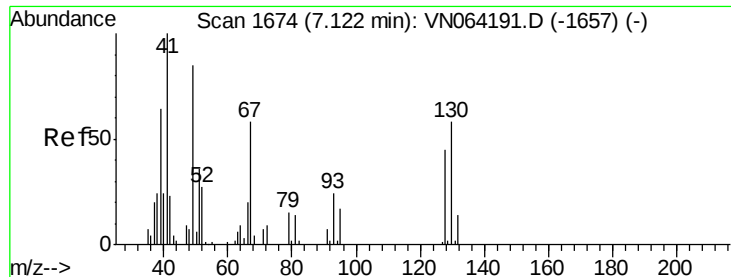
Tot Ion:117 Resp: 837891
Ion Ratio Lower Upper
117 100
119 95.7 76.0 114.0
121 30.9 23.0 34.6



#34
Benzene
Concen: 151.364 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

Tgt Ion: 78 Resp: 2066806
Ion Ratio Lower Upper
78 100
77 23.1 18.4 27.6
51 18.7 23.0 34.6#

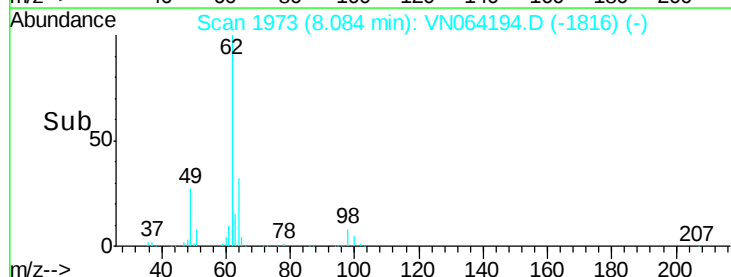
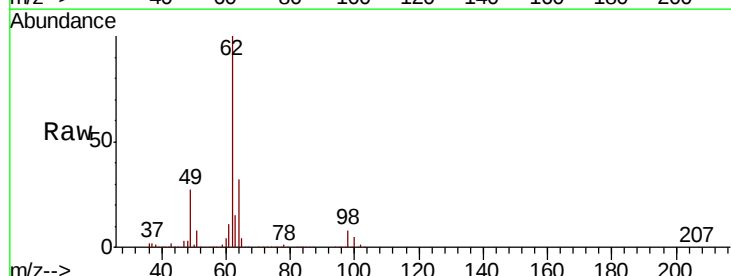
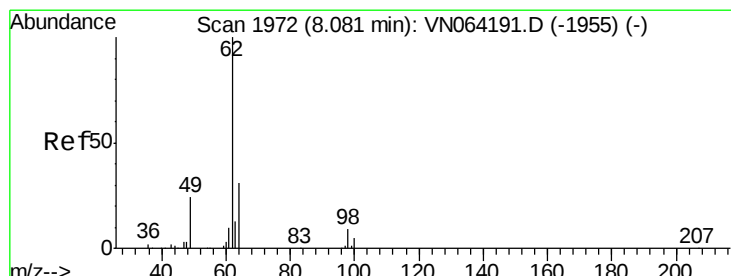
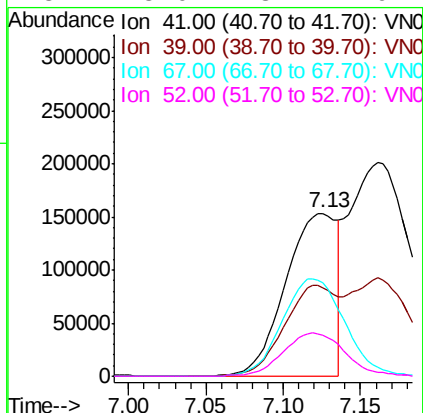




#35
Methacrylonitrile
Concen: 156.066 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

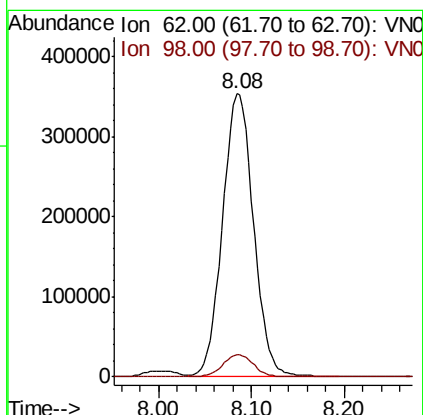
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

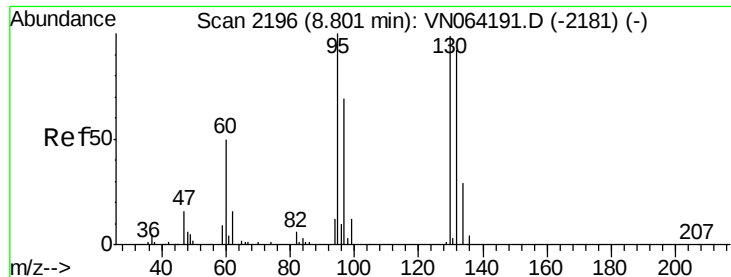
Tot Ion:	41	Resp:	352466
Ion	Ratio	Lower	Upper
41	100		
39	54.6	32.1	96.3
67	57.3	28.9	86.8
52	25.0	13.4	40.2



#36
1,2-Dichloroethane
Concen: 138.514 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

Tgt Ion:	62	Resp:	821804
Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.3	9.5

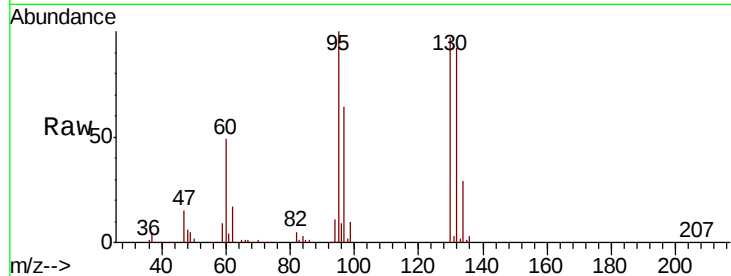




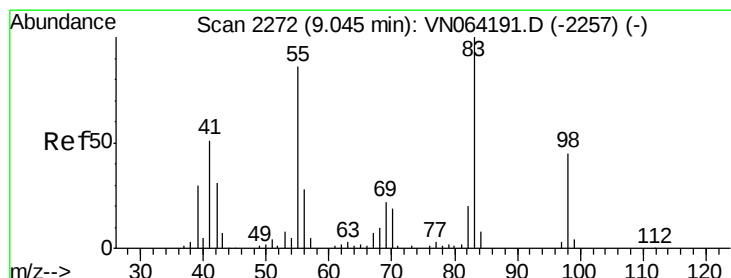
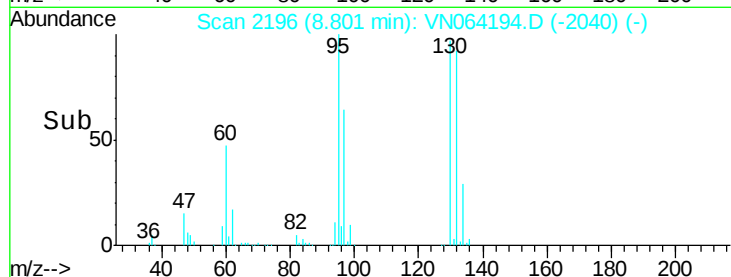
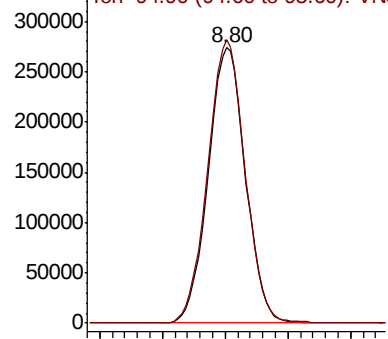
#37
 Trichloroethene
 Concen: 155.327 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 564325
 Ion Ratio Lower Upper
 130 100
 95 102.6 81.0 121.4

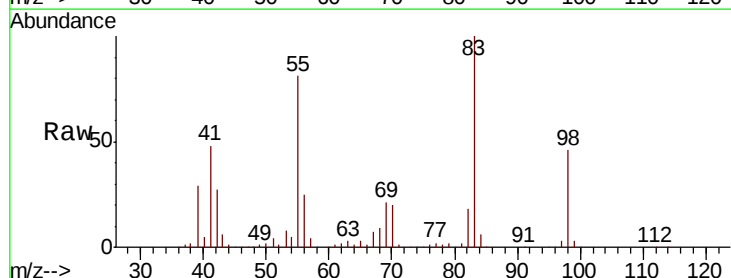


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

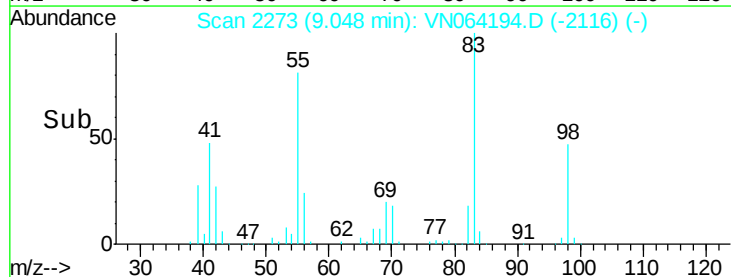
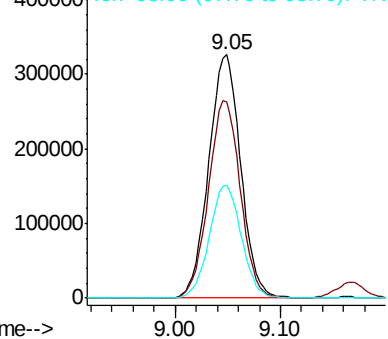


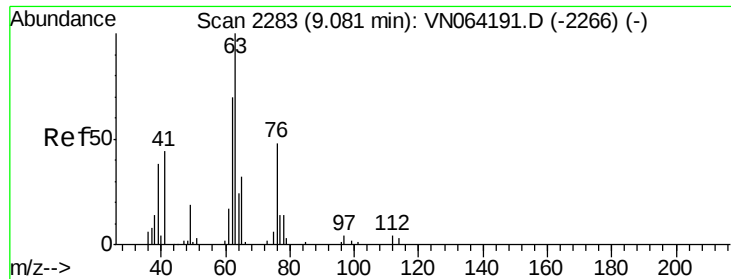
#38
 Methylcyclohexane
 Concen: 164.236 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

Tgt Ion: 83 Resp: 687379
 Ion Ratio Lower Upper
 83 100
 55 80.3 40.3 120.9
 98 46.5 22.4 67.0



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

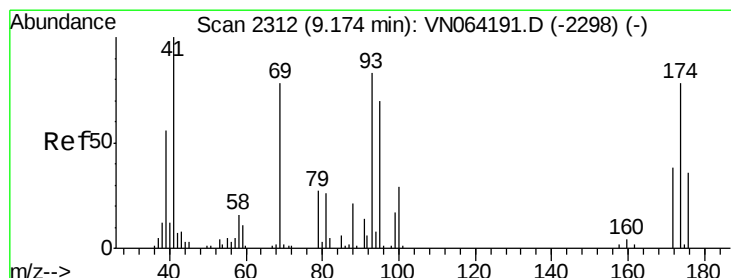
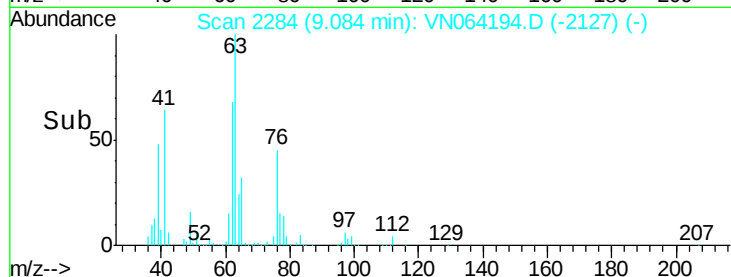
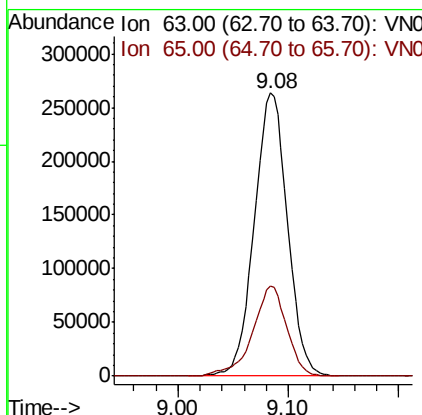
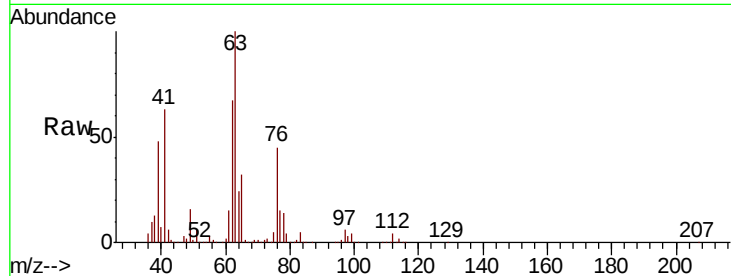




#39
 1,2-Dichloropropane
 Concen: 148.692 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

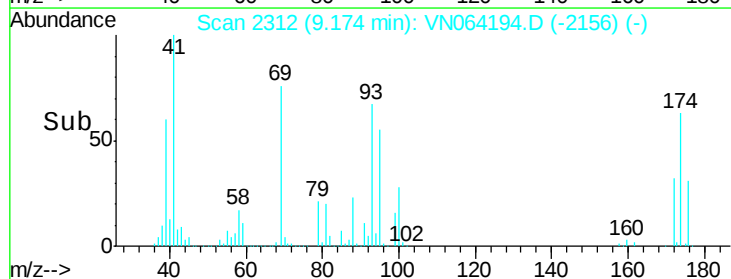
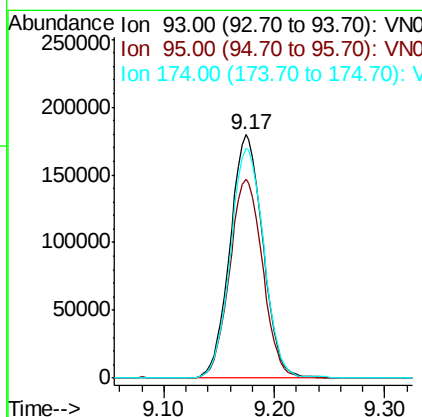
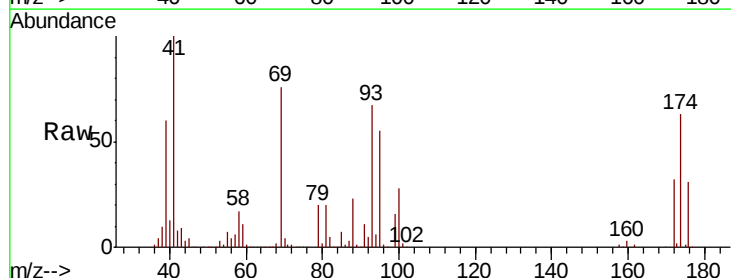
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

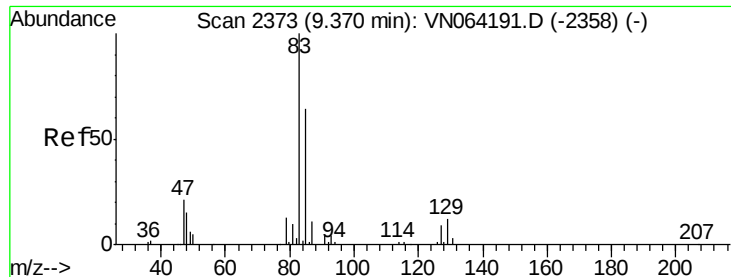
Tot Ion: 63 Resp: 548994
 Ion Ratio Lower Upper
 63 100
 65 31.8 26.5 39.7



#40
 Dibromomethane
 Concen: 144.911 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

Tgt Ion: 93 Resp: 372265
 Ion Ratio Lower Upper
 93 100
 95 82.0 0.0 169.2
 174 95.5 0.0 187.4





#41

Bromodichloromethane

Concen: 151.201 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

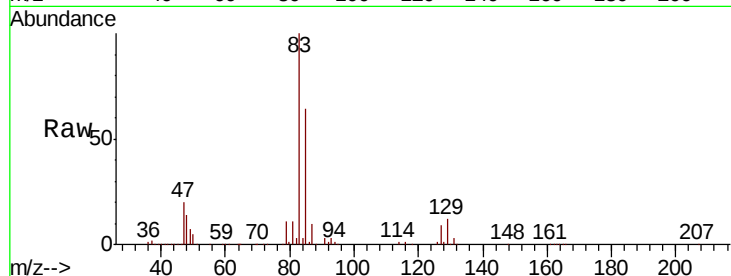
Tot Ion: 83 Resp: 819523

Ion Ratio Lower Upper

83 100

85 64.3 51.5 77.3

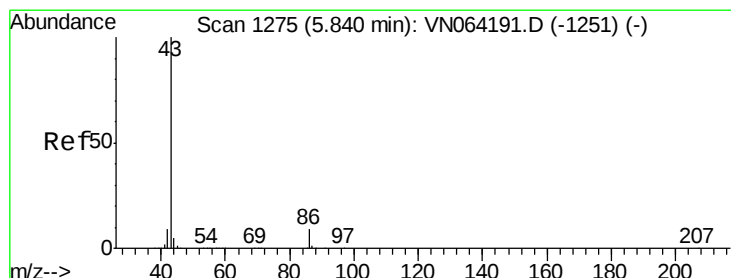
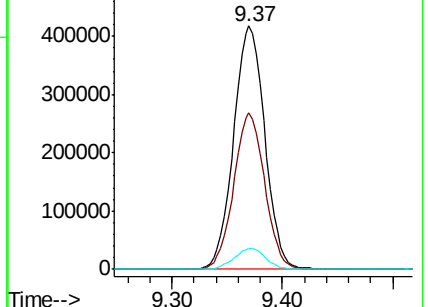
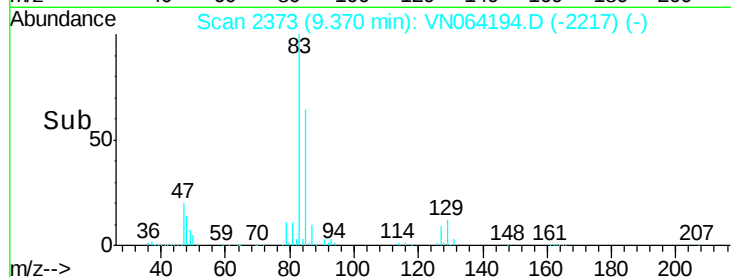
127 8.7 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VN064194.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN064194.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064194.D (-2217) (-)



#42

Vinyl Acetate

Concen: 736.682 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064194.D

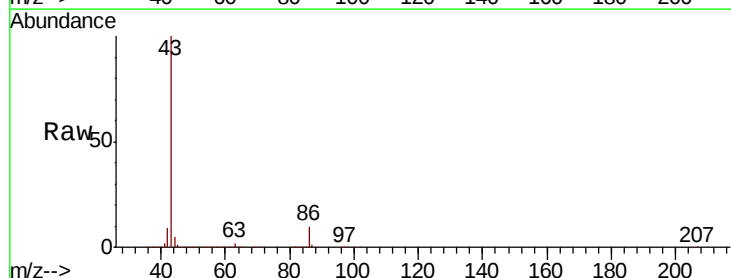
Acq: 20 Oct 2020 11:35

Tgt Ion: 43 Resp: 7202018

Ion Ratio Lower Upper

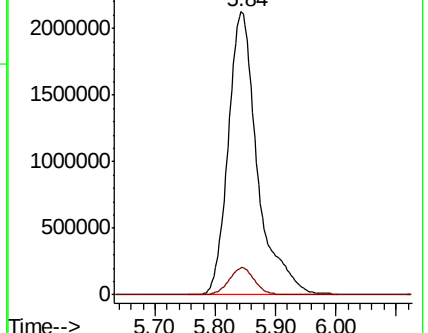
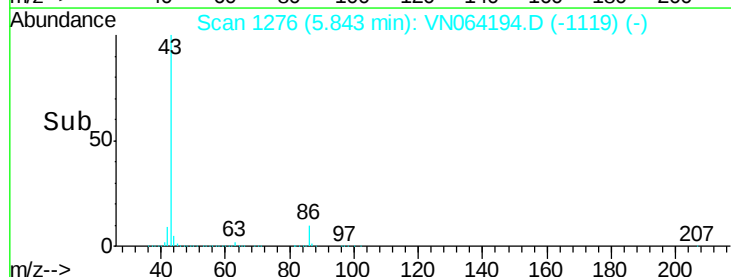
43 100

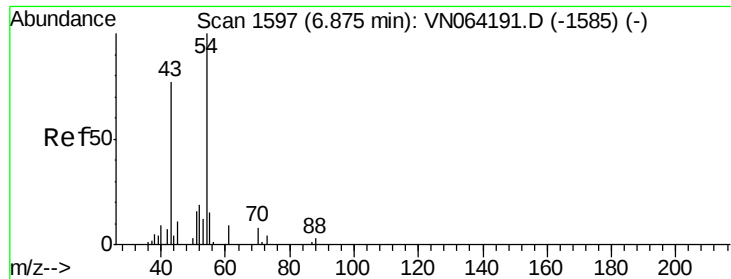
86 8.5 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN064194.D (-1119) (-)

Ion 86.00 (85.70 to 86.70): VN064194.D (-1119) (-)





#43

Ethyl Acetate

Concen: 134.148 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

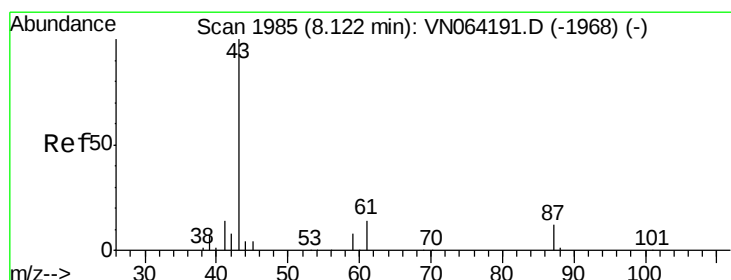
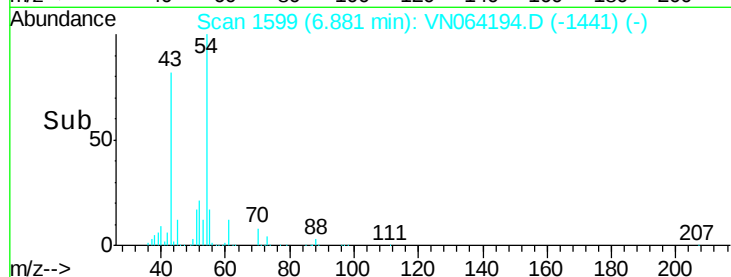
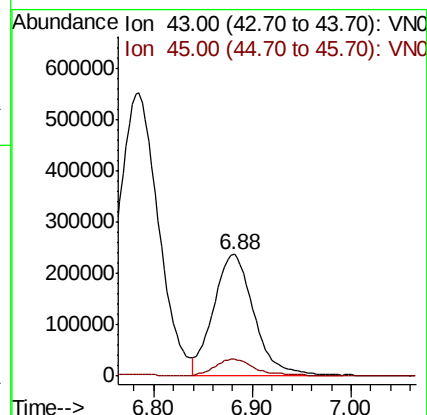
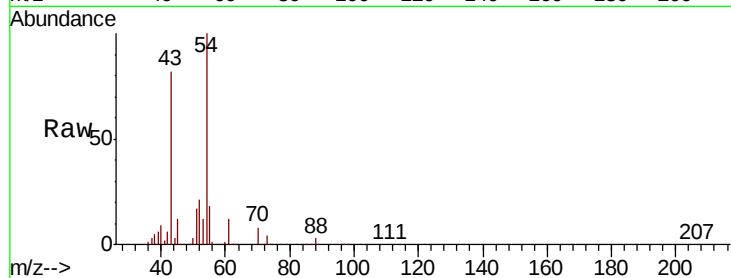
VSTDIC150

Tot Ion: 43 Resp: 668046

Ion Ratio Lower Upper

43 100

45 14.3 9.8 14.8



#44

Isopropyl Acetate

Concen: 151.169 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064194.D

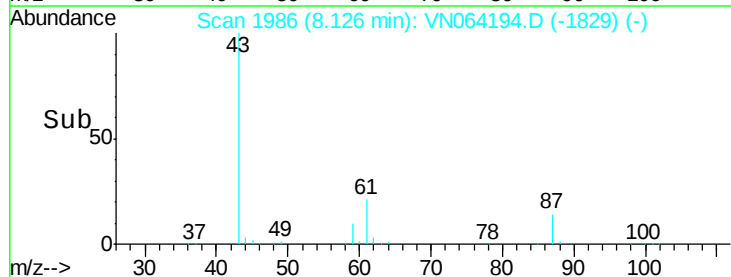
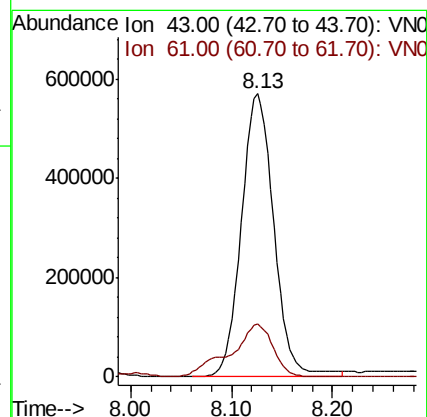
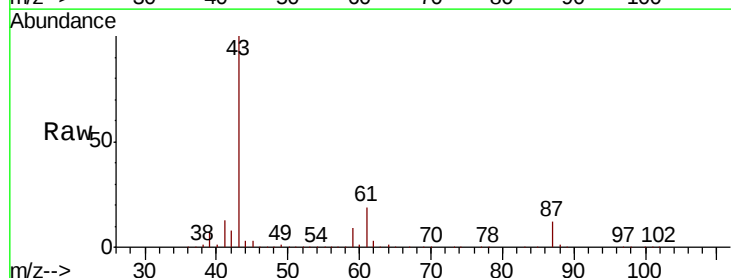
Acq: 20 Oct 2020 11:35

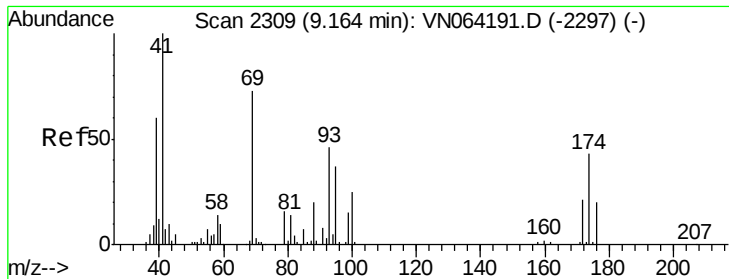
Tgt Ion: 43 Resp: 1270328

Ion Ratio Lower Upper

43 100

61 24.5 18.7 28.1

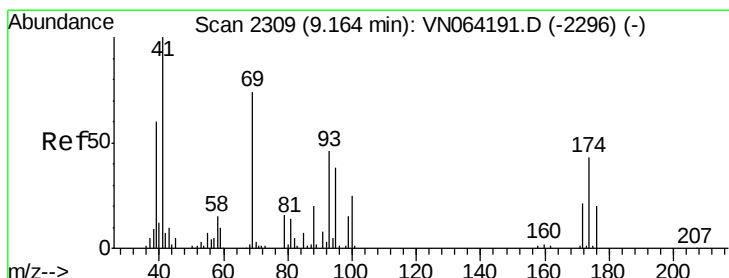
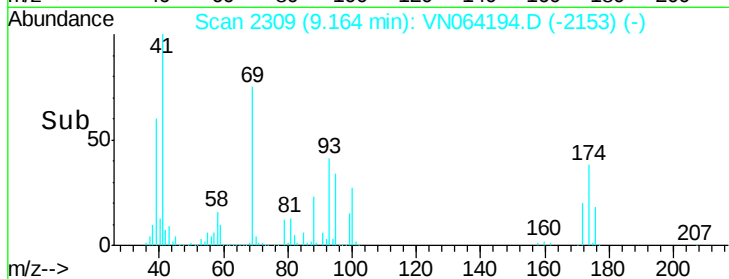
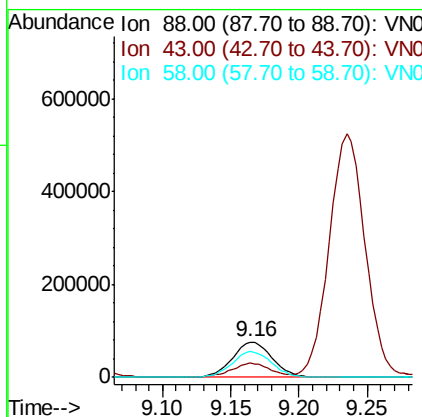
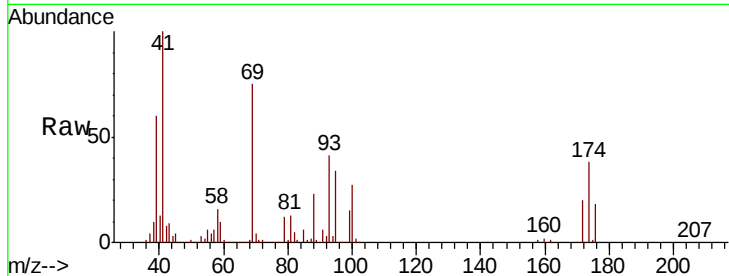




#45
 1,4-Dioxane
 Concen: 2934.776 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

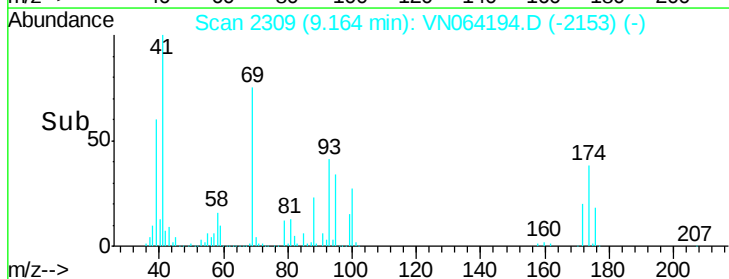
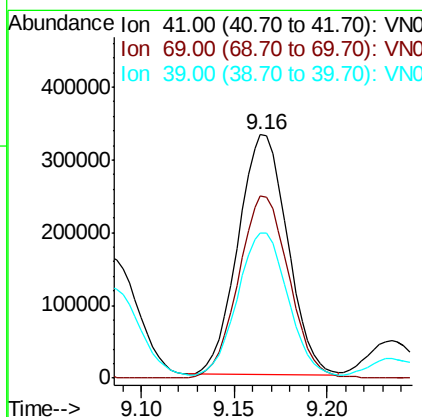
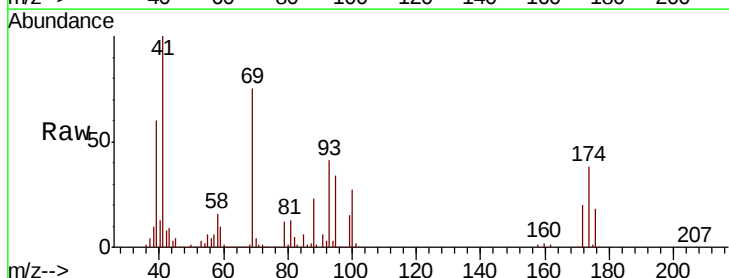
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

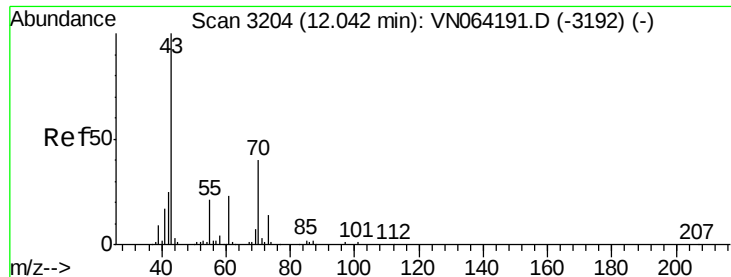
Tot Ion: 88 Resp: 154296
 Ion Ratio Lower Upper
 88 100
 43 36.2 37.0 55.4#
 58 73.1 62.4 93.6



#46
 Methyl methacrylate
 Concen: 148.170 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

Tgt Ion: 41 Resp: 614360
 Ion Ratio Lower Upper
 41 100
 69 75.6 36.8 110.4
 39 59.1 30.4 91.2





#47

n-amvl Acetate

Concen: 154.617 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

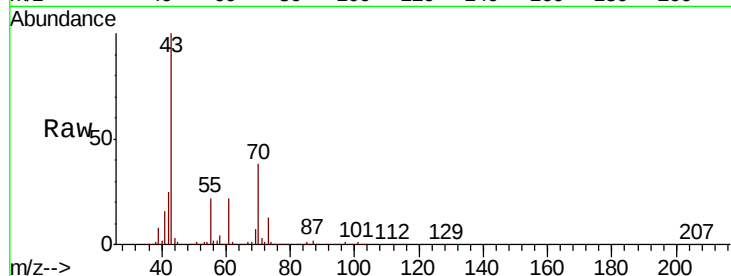
VSTDIC150

Tot Ion: 43 Resp: 1157707

Ion Ratio Lower Upper

43 100

55 21.7 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.04

800000

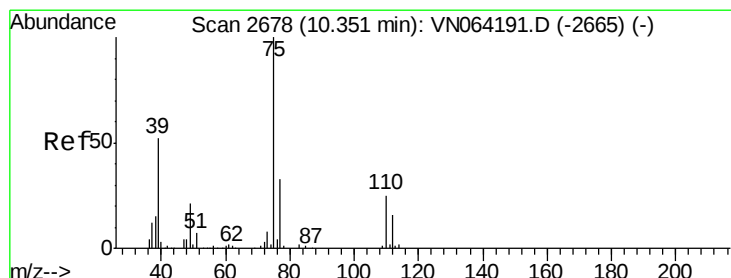
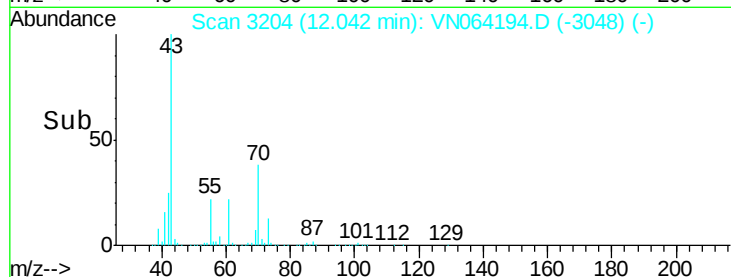
600000

400000

200000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 160.186 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064194.D

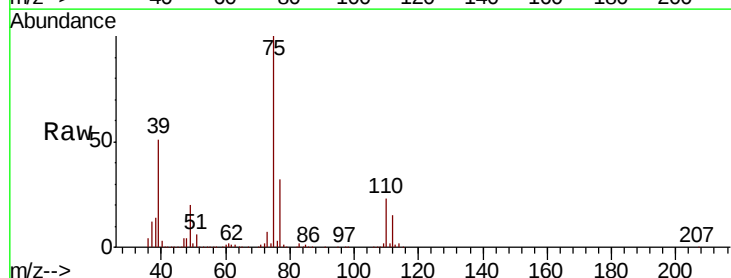
Acq: 20 Oct 2020 11:35

Tgt Ion: 75 Resp: 944496

Ion Ratio Lower Upper

75 100

77 31.5 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.35

600000

500000

400000

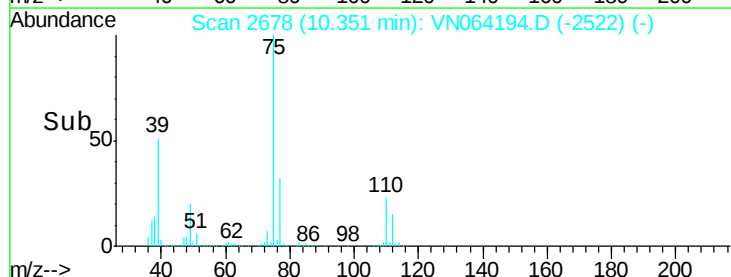
300000

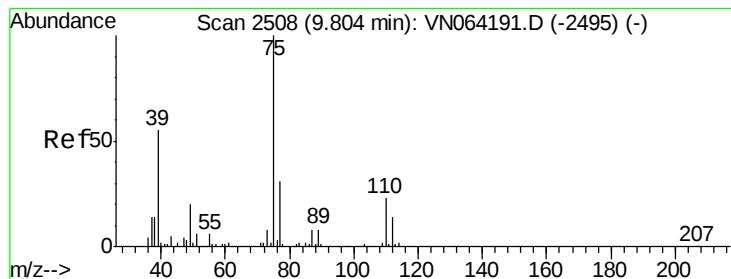
200000

100000

0

Time-->



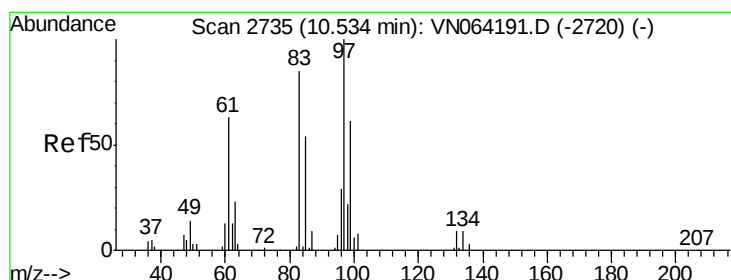
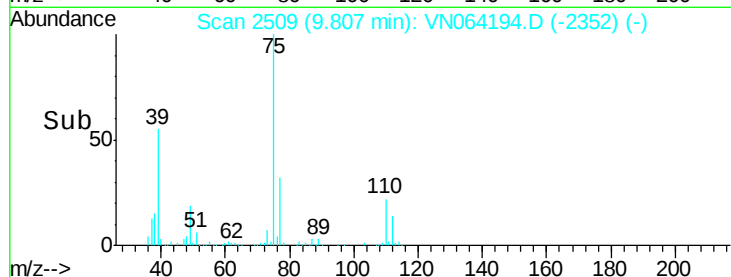
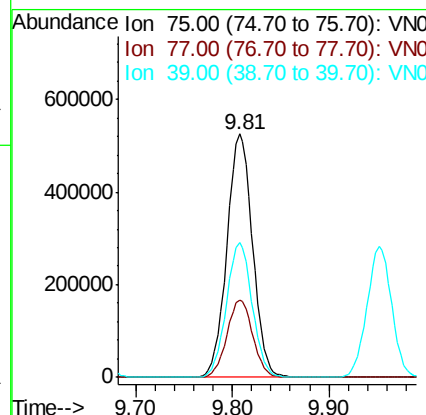
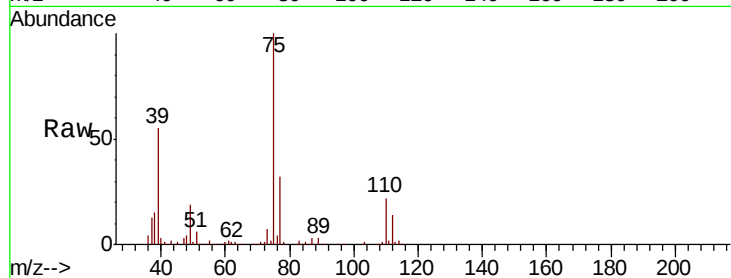


#49

cis-1,3-Dichloropropene
 Concen: 157.984 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

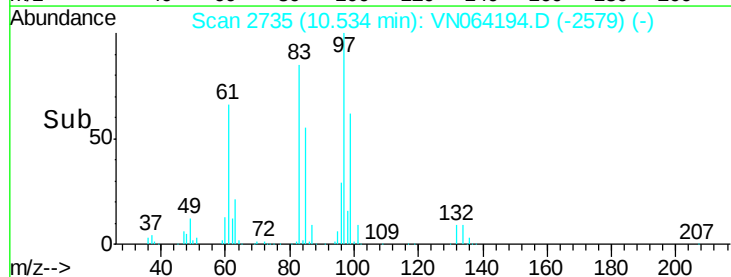
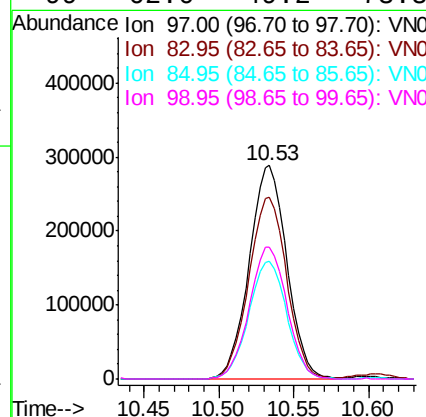
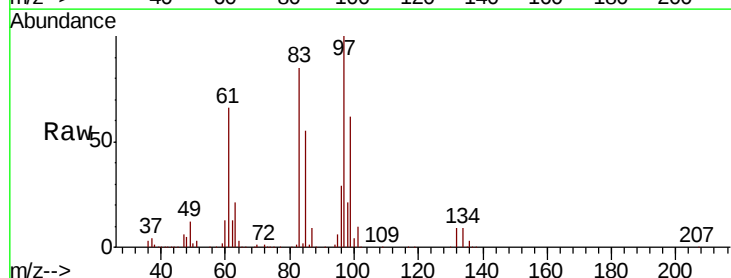
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.5	36.7
39	55.3	43.8	65.8

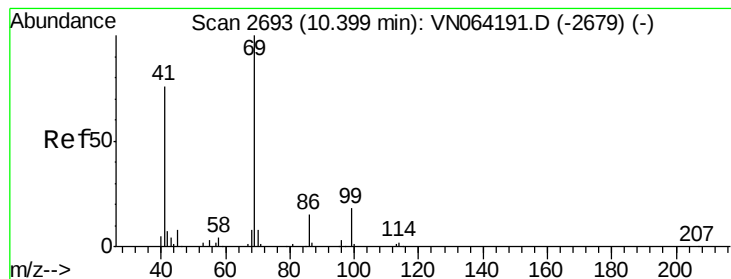


#50

1,1,2-Trichloroethane
 Concen: 146.431 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.7	101.5
85	54.9	43.2	64.8
99	62.0	49.2	73.8





#51

Ethyl methacrylate

Concen: 158.957 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

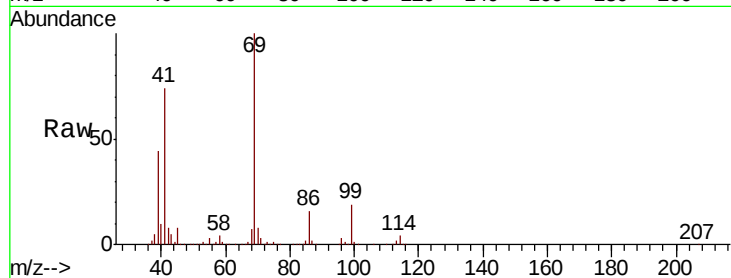
Tot Ion: 69 Resp: 812491

Ion Ratio Lower Upper

69 100

41 73.7 38.0 114.1

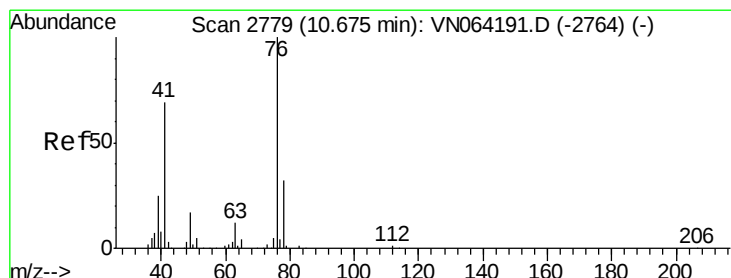
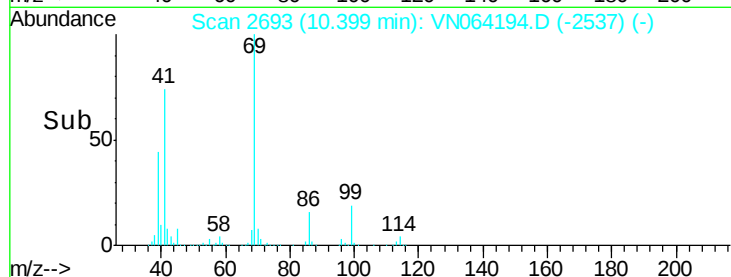
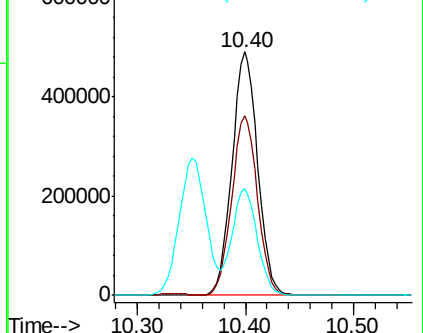
39 43.7 21.4 64.3



Abundance Ion 69.00 (68.70 to 69.70): VN064194.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN064194.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN064194.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 148.578 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064194.D

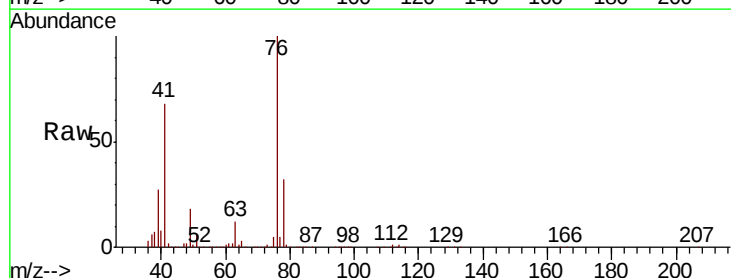
Acq: 20 Oct 2020 11:35

Tgt Ion: 76 Resp: 882967

Ion Ratio Lower Upper

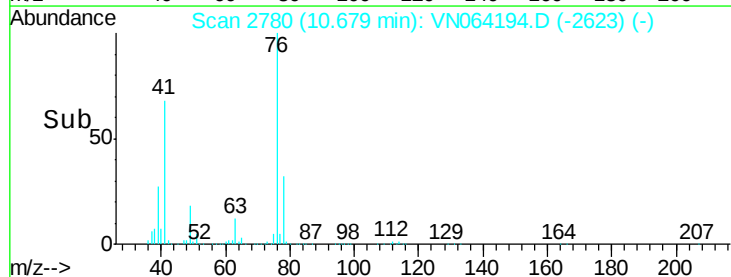
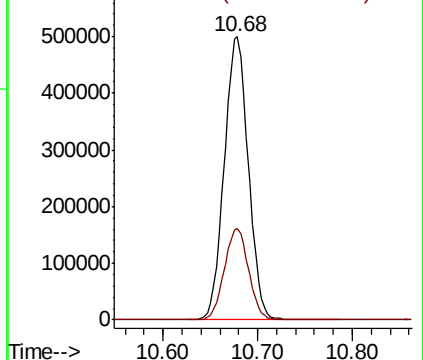
76 100

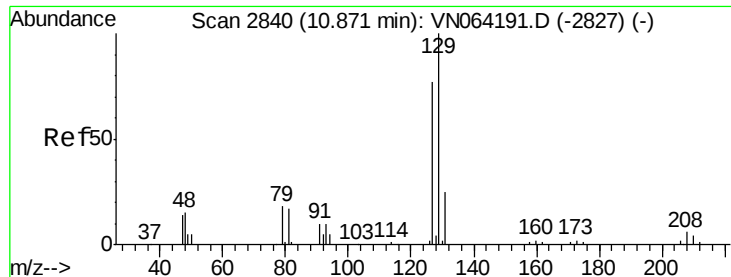
78 32.3 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN064194.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN064194.D (-2764) (-)

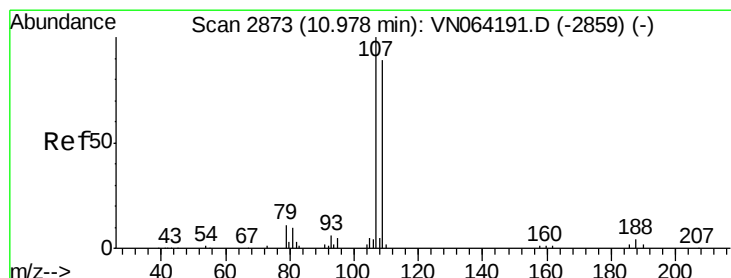
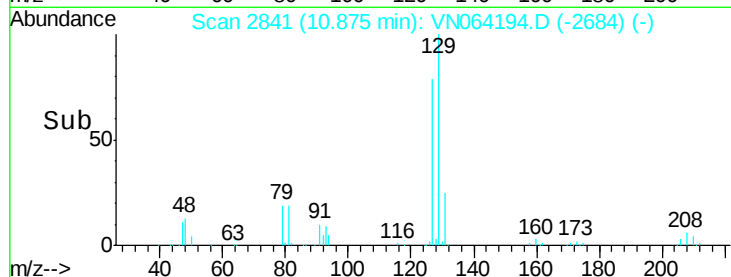
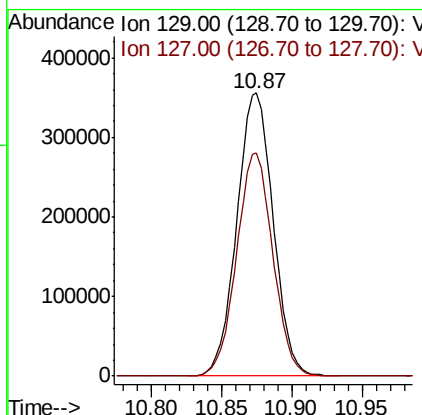
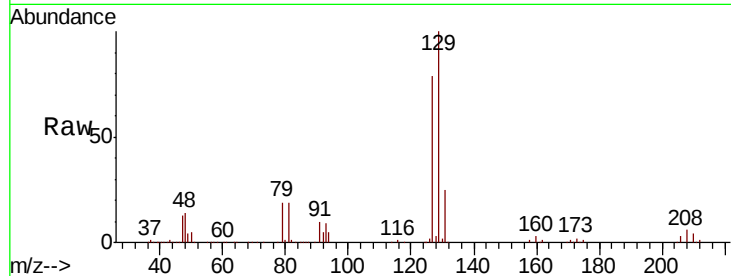




#53
 Dibromochloromethane
 Concen: 159.798 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

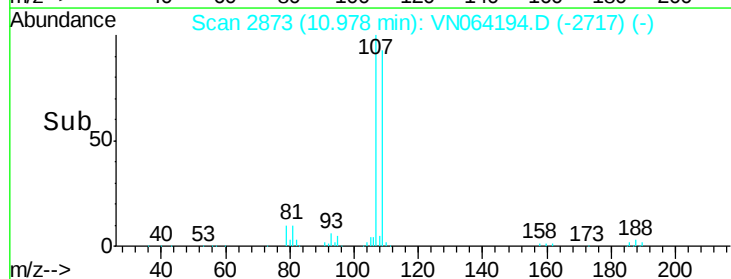
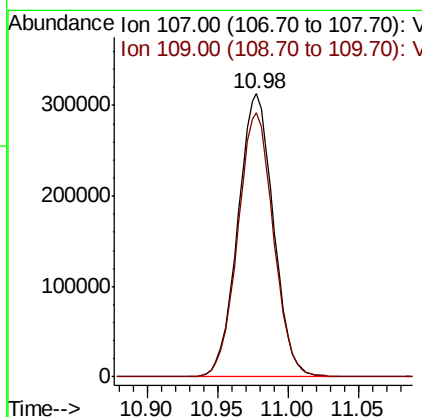
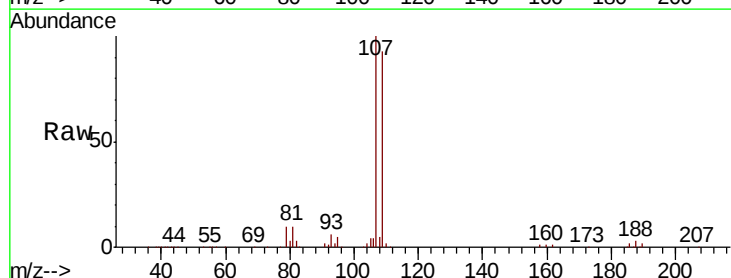
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

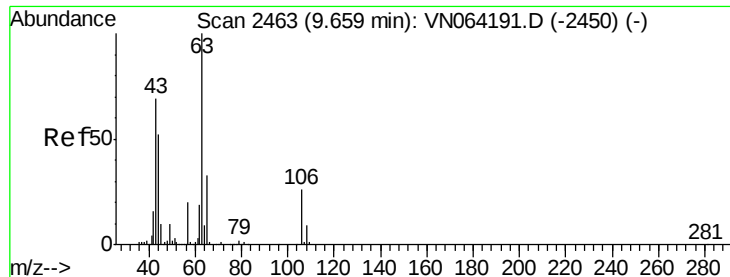
Tot Ion:129 Resp: 644165
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.0 117.0



#54
 1,2-Dibromoethane
 Concen: 152.178 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

Tgt Ion:107 Resp: 552599
 Ion Ratio Lower Upper
 107 100
 109 93.5 71.8 107.8





#55

2-Chloroethyl vinyl ether

Concen: 743.783 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

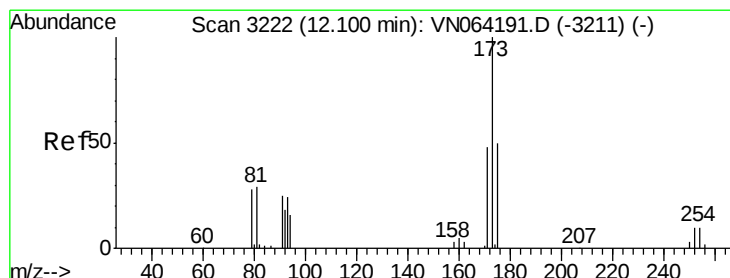
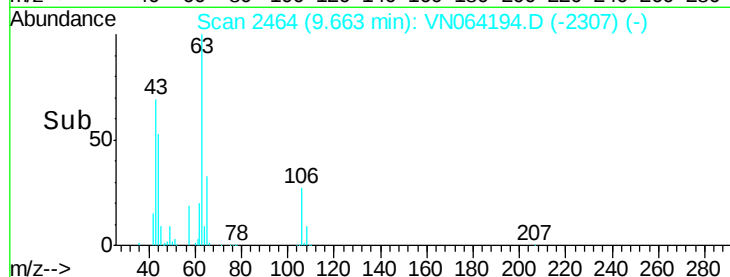
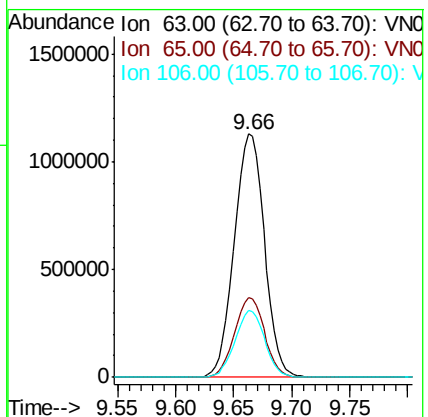
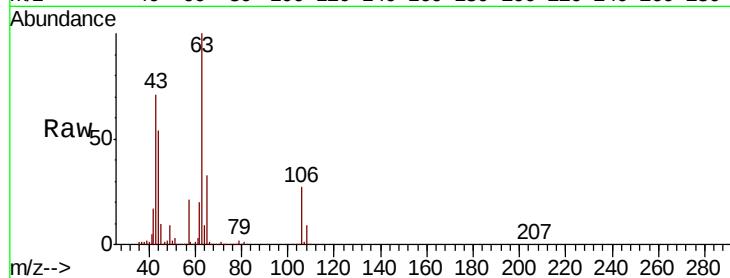
Tot Ion: 63 Resp: 2040652

Ion Ratio Lower Upper

63 100

65 32.4 25.9 38.9

106 26.9 21.4 32.2



#56

Bromoform

Concen: 166.199 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

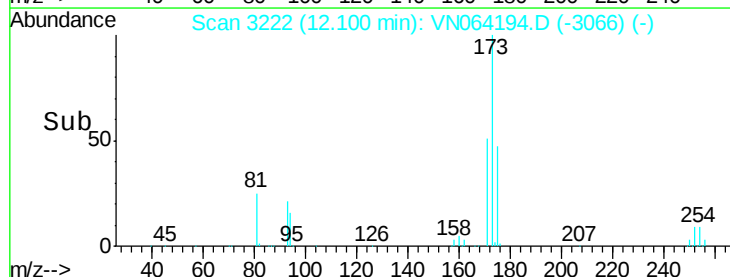
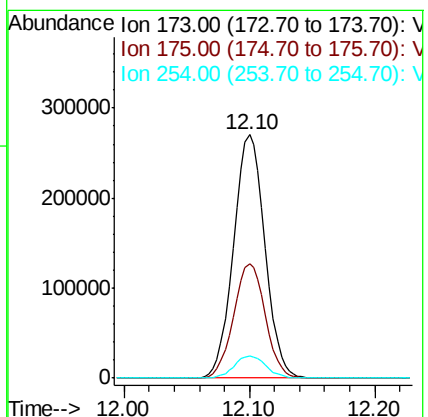
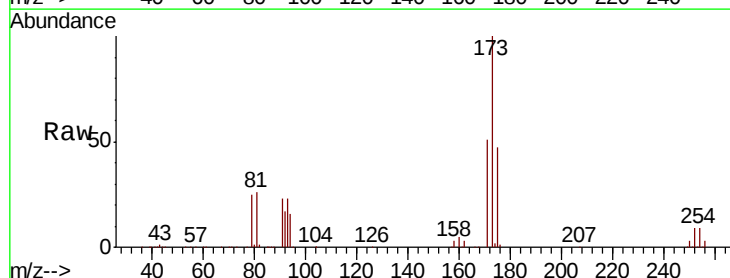
Tgt Ion: 173 Resp: 469329

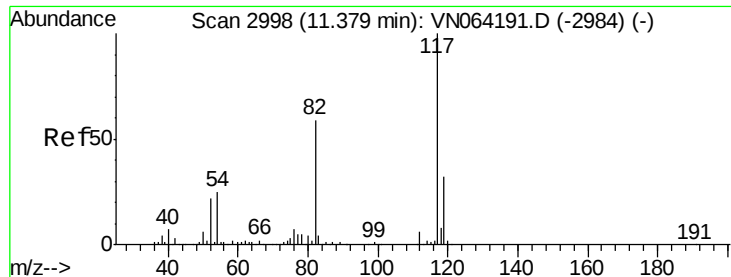
Ion Ratio Lower Upper

173 100

175 47.6 39.0 58.4

254 9.2 6.8 10.2

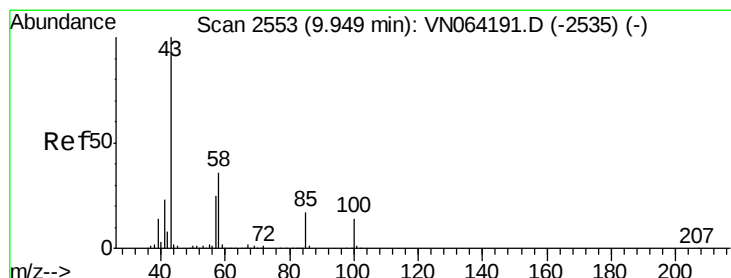
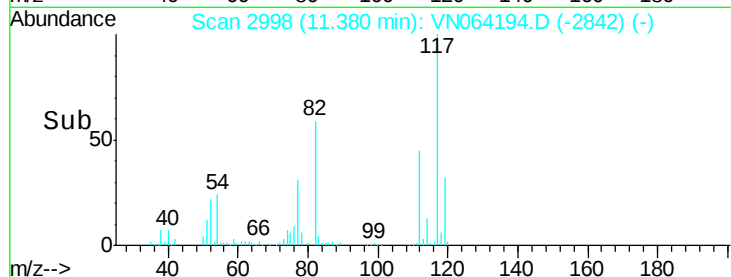
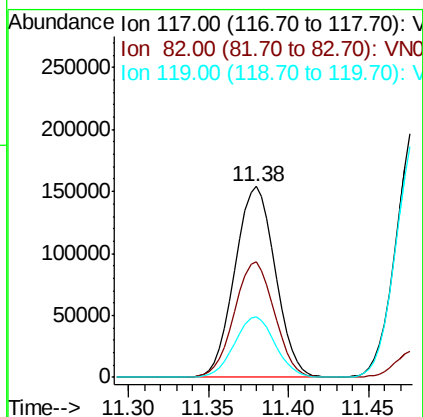
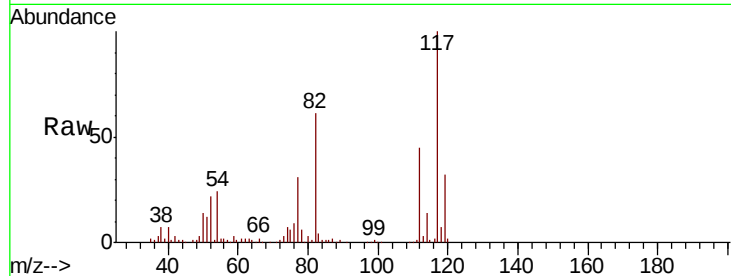




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

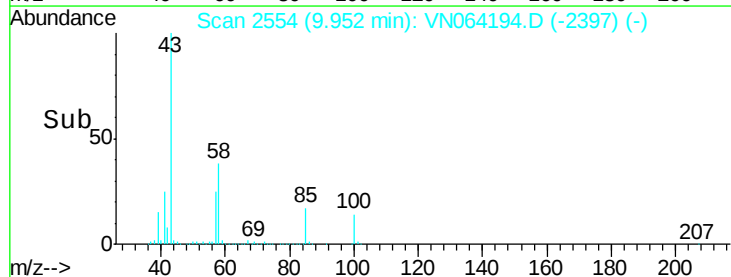
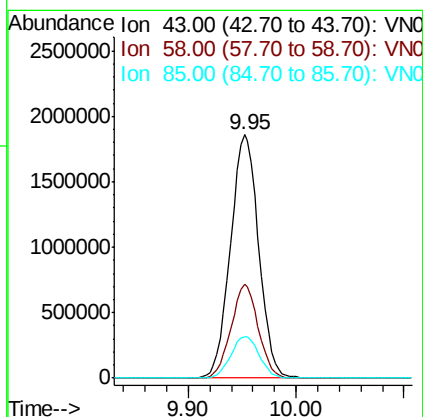
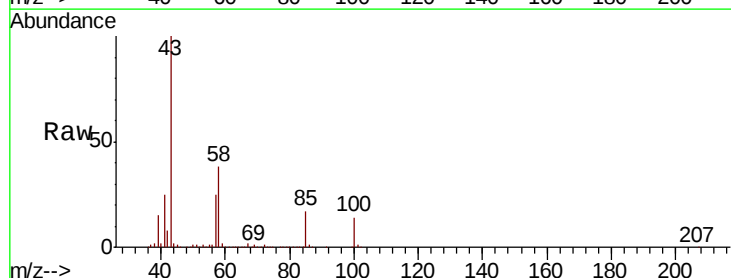
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

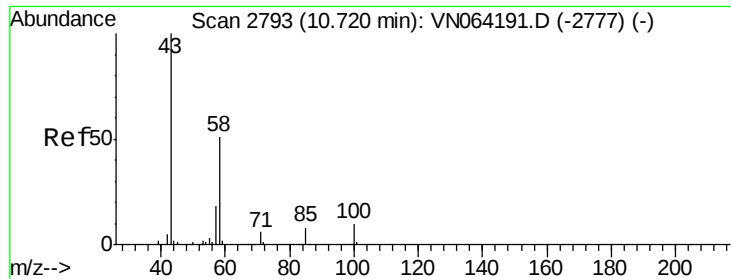
Tot Ion:117 Resp: 266802
Ion Ratio Lower Upper
117 100
82 59.9 47.8 71.8
119 31.9 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 697.427 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

Tgt Ion: 43 Resp: 3382459
Ion Ratio Lower Upper
43 100
58 37.3 29.5 44.3
85 17.3 13.7 20.5

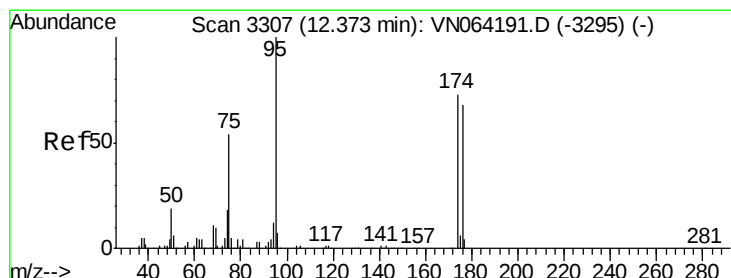
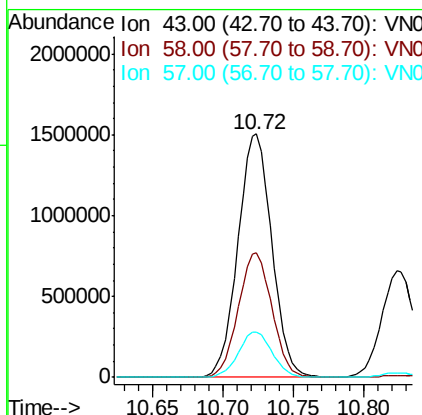
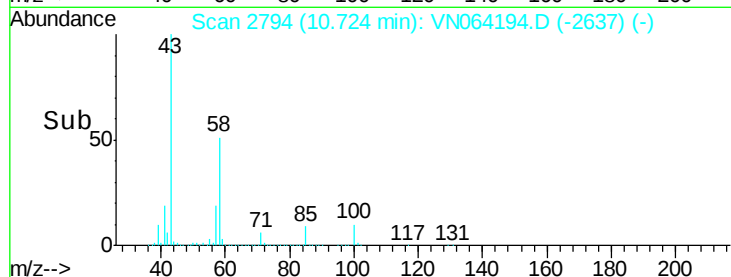
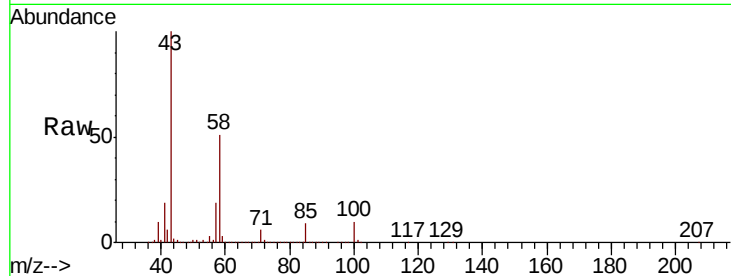




#59
2-Hexanone
Concen: 696.827 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

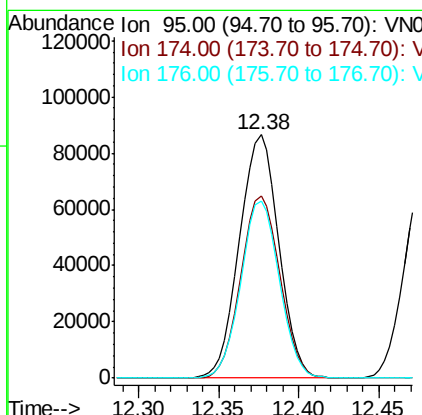
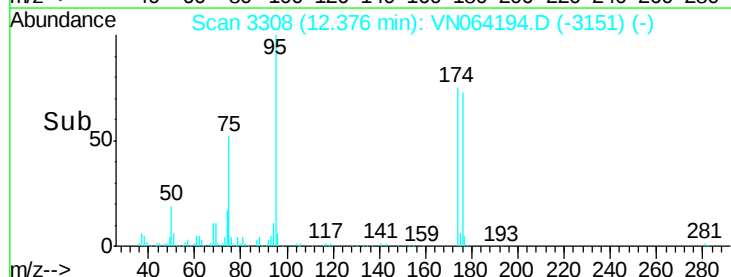
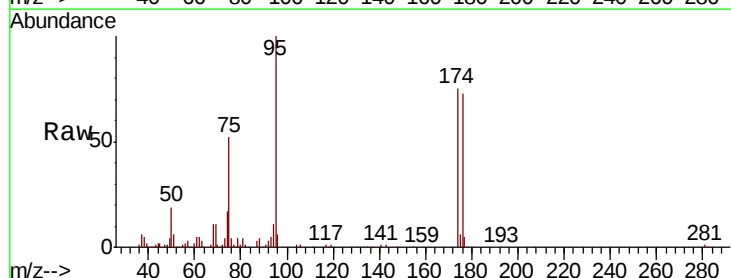
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

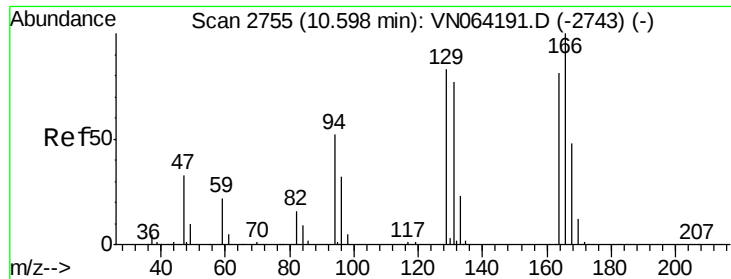
Tot Ion: 43 Resp: 2526323
Ion Ratio Lower Upper
43 100
58 51.1 40.2 60.4
57 18.8 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 31.214 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

Tgt Ion: 95 Resp: 145158
Ion Ratio Lower Upper
95 100
174 74.5 57.6 86.4
176 71.2 54.9 82.3





#61

Tetrachloroethene

Concen: 159.332 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 521722

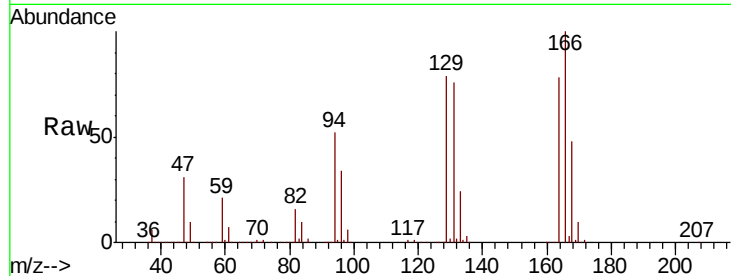
Ion Ratio Lower Upper

164 100

166 128.3 99.2 148.8

129 101.8 82.8 124.2

131 97.1 76.2 114.4

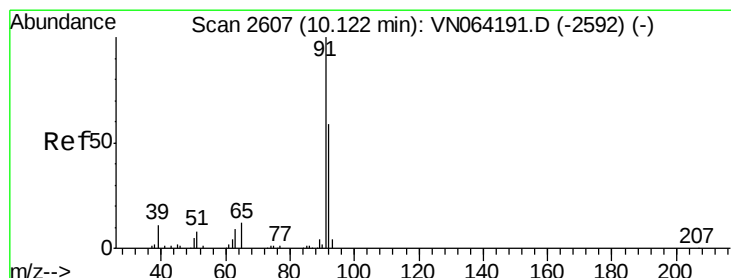
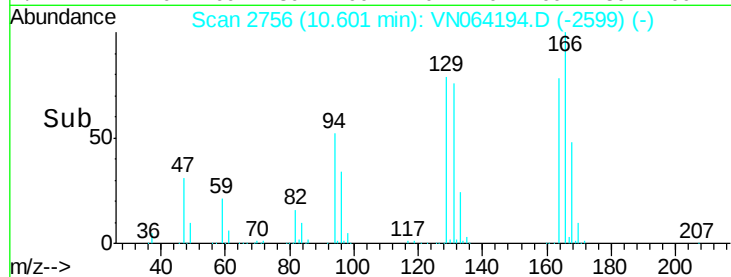
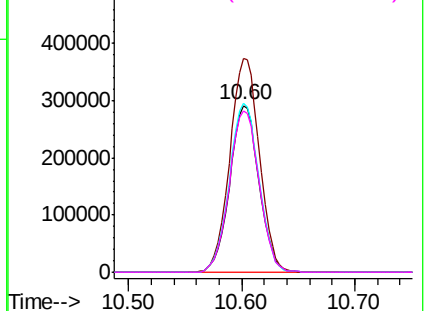


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 154.520 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064194.D

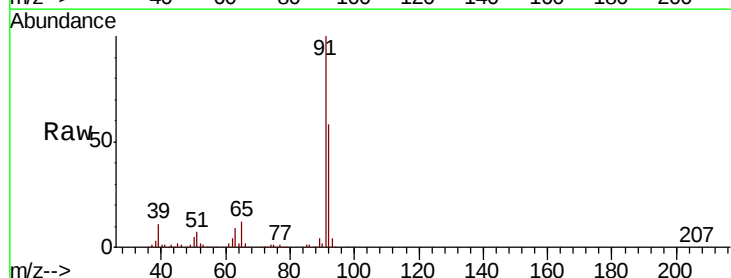
Acq: 20 Oct 2020 11:35

Tgt Ion: 91 Resp: 2283728

Ion Ratio Lower Upper

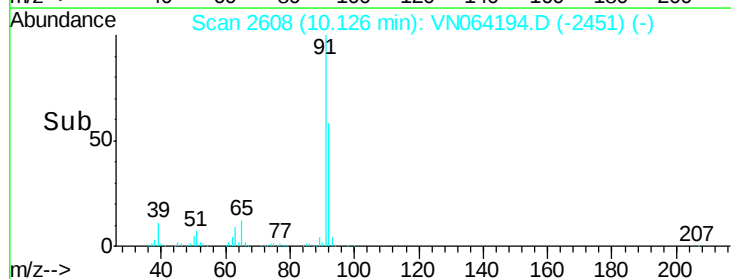
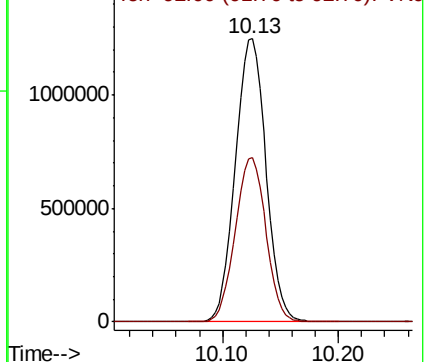
91 100

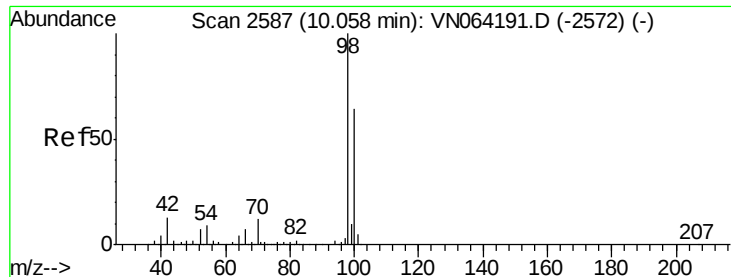
92 58.2 46.8 70.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.566 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

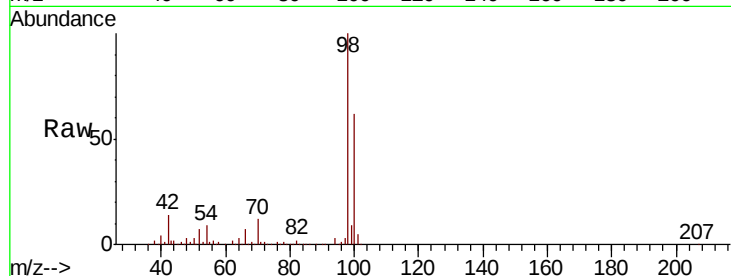
VSTDIC150

Tot Ion: 98 Resp: 357849

Ion Ratio Lower Upper

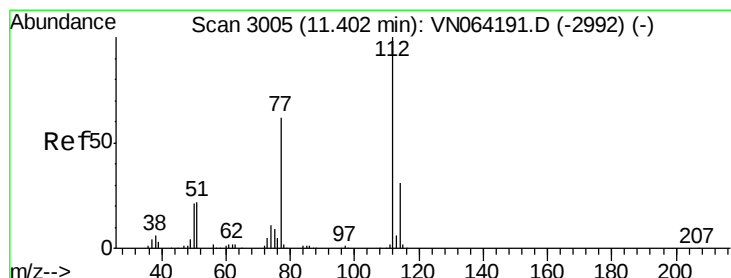
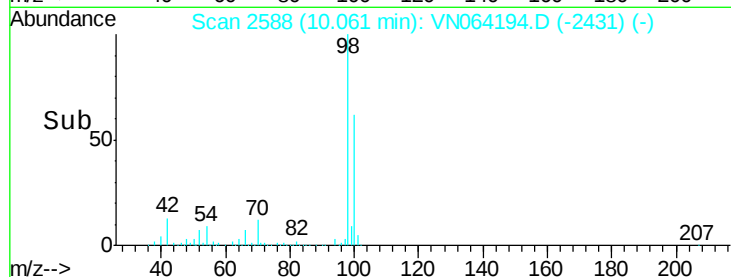
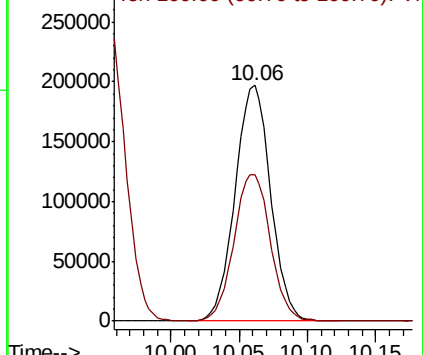
98 100

100 63.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN064194.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064194.D (-2572) (-)



#64

Chlorobenzene

Concen: 158.907 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064194.D

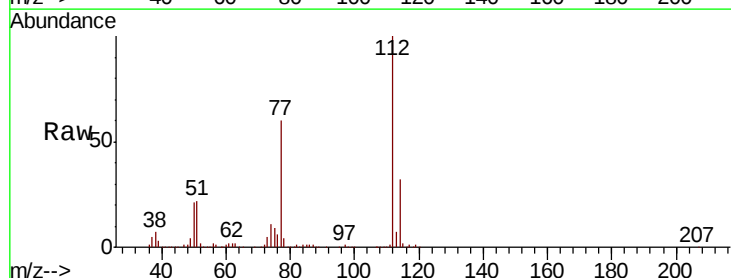
Acq: 20 Oct 2020 11:35

Tgt Ion: 112 Resp: 1433542

Ion Ratio Lower Upper

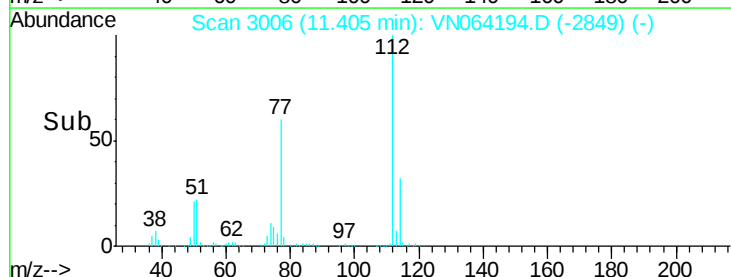
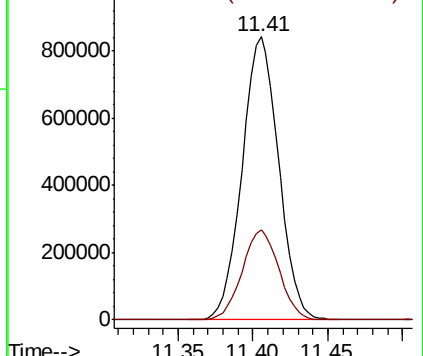
112 100

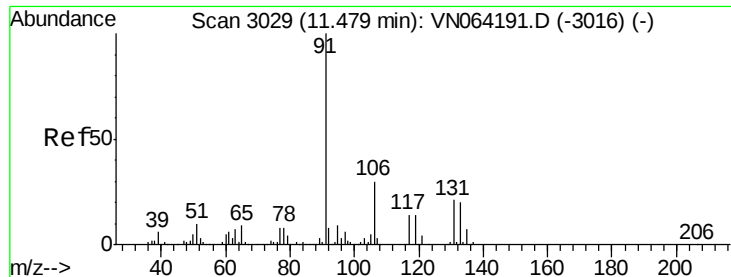
114 31.7 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN064194.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN064194.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 157.011 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

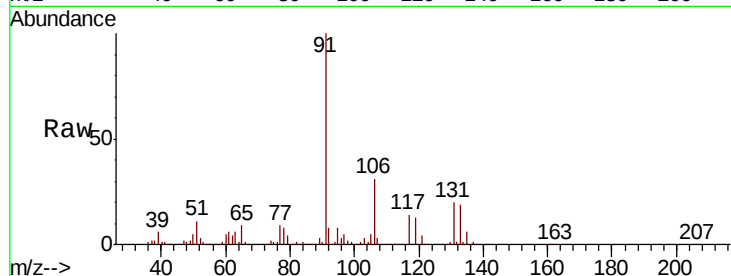
Tot Ion:131 Resp: 552095

Ion Ratio Lower Upper

131 100

133 97.2 0.0 193.0

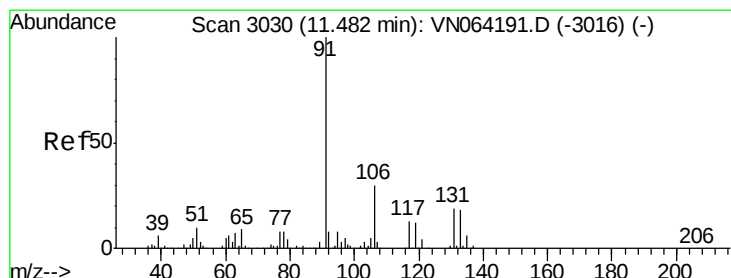
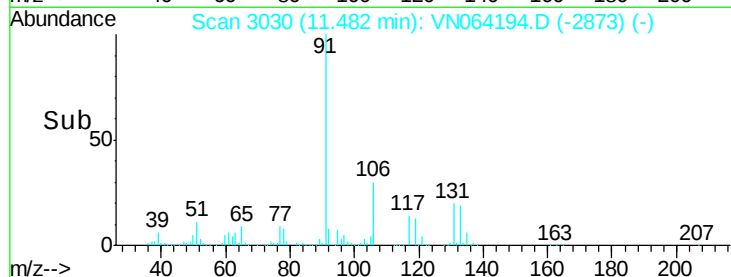
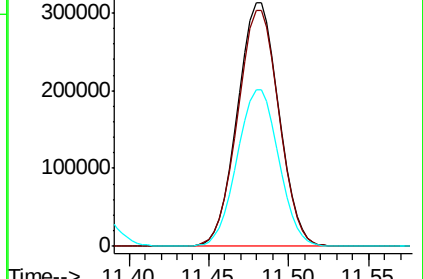
119 64.9 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 159.242 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064194.D

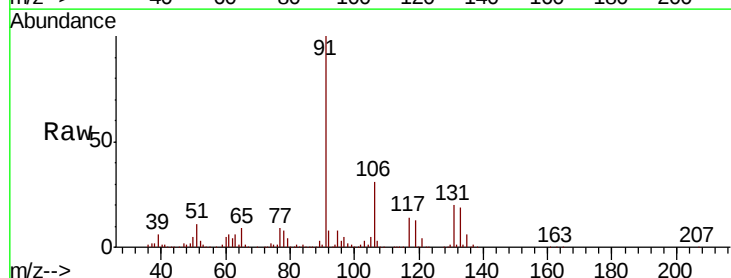
Acq: 20 Oct 2020 11:35

Tgt Ion: 91 Resp: 2619414

Ion Ratio Lower Upper

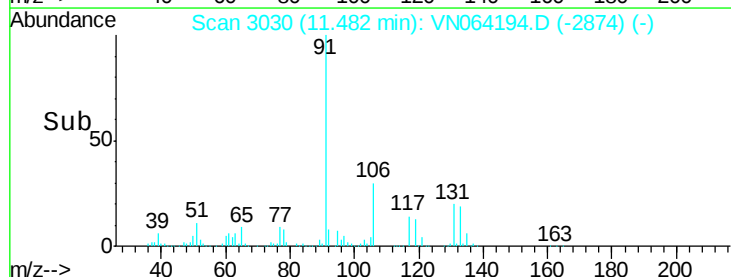
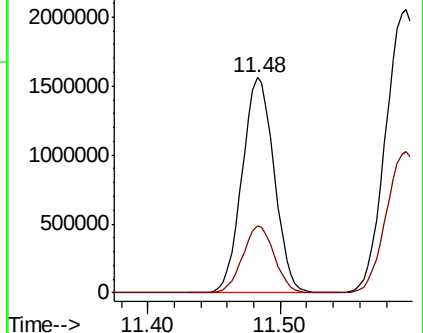
91 100

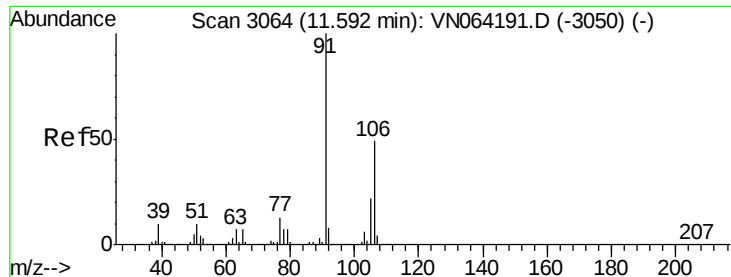
106 31.0 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 326.516 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

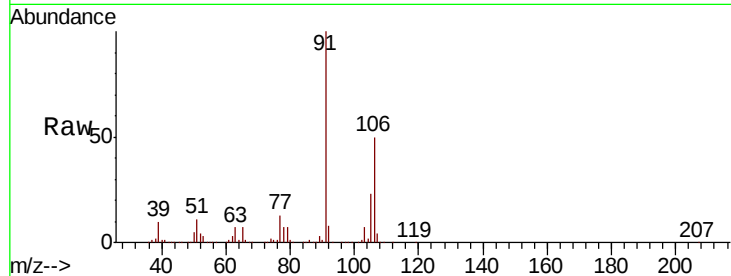
VSTDIC150

Tot Ion:106 Resp: 1985941

Ion Ratio Lower Upper

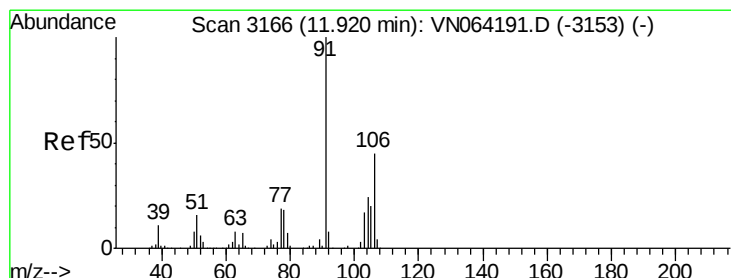
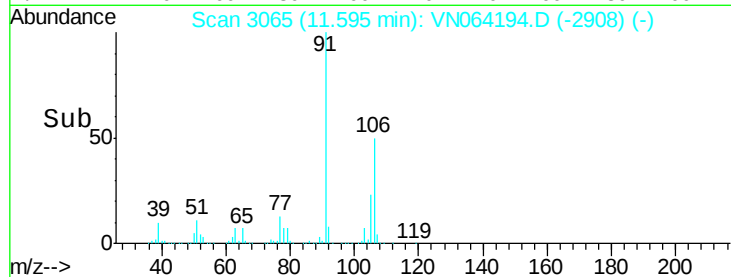
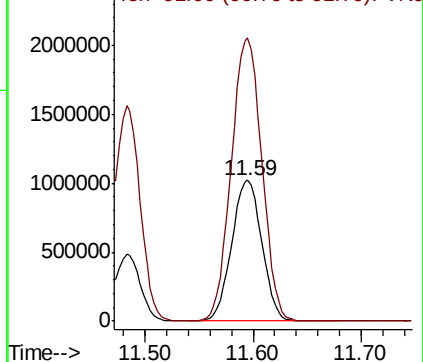
106 100

91 203.8 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 163.655 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064194.D

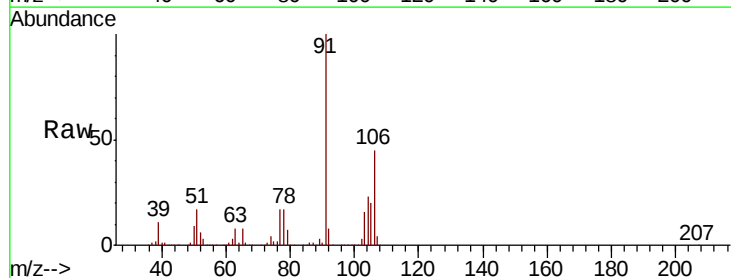
Acq: 20 Oct 2020 11:35

Tgt Ion:106 Resp: 952289

Ion Ratio Lower Upper

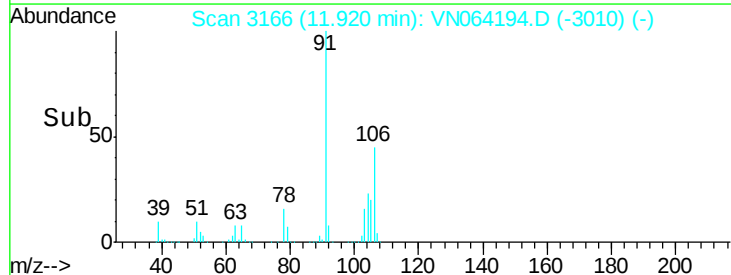
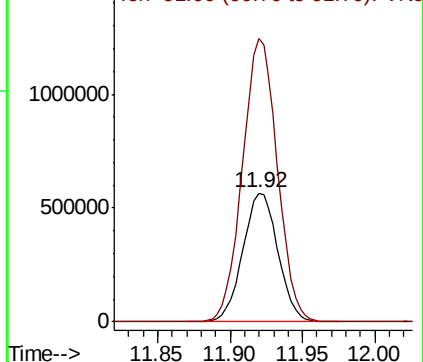
106 100

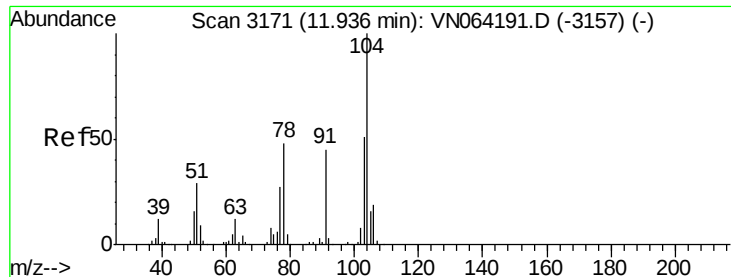
91 218.8 113.9 341.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

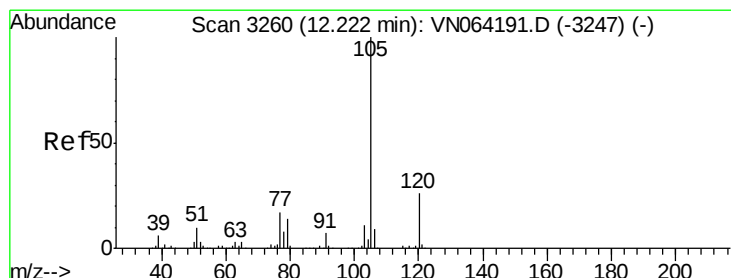
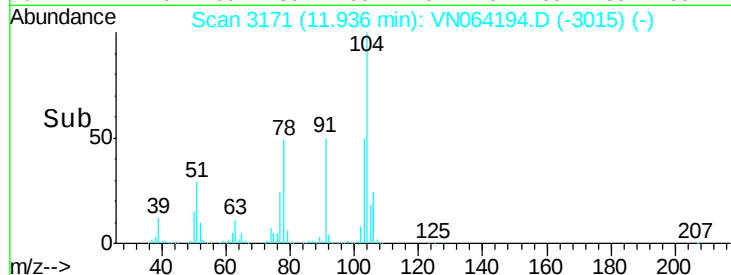
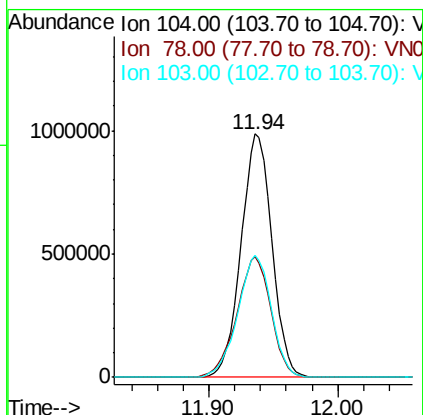
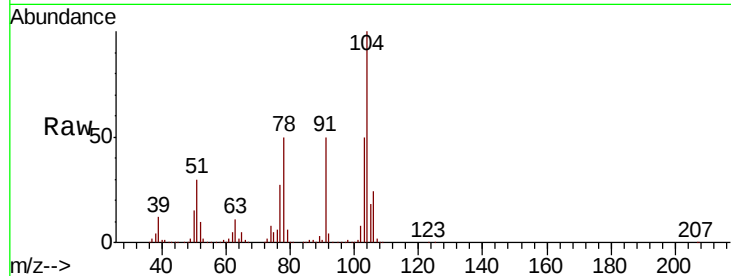




#69
Stvrene
Concen: 165.979 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

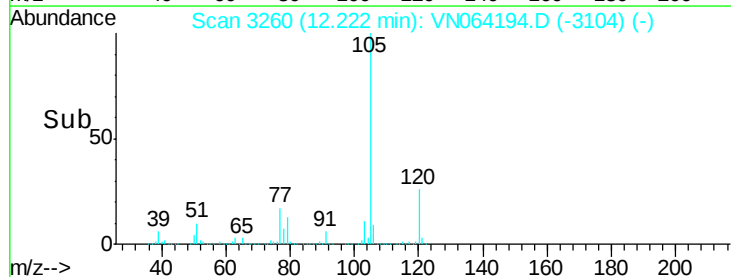
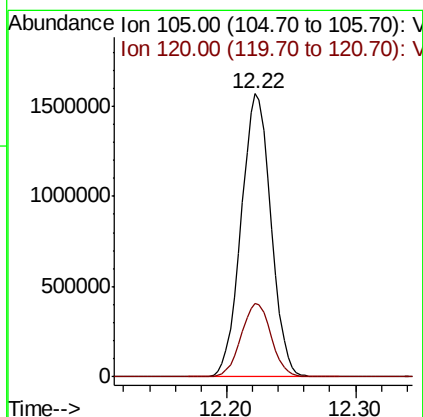
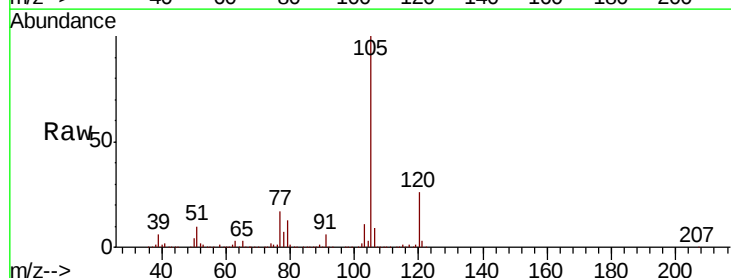
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

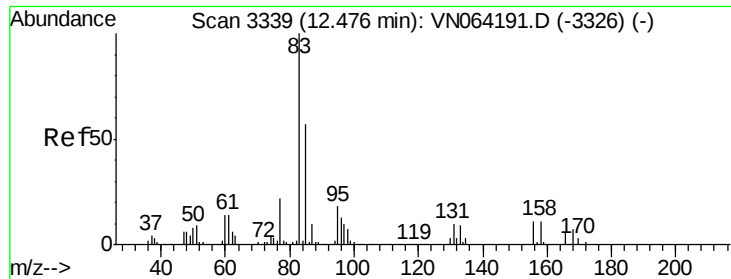
Tot Ion:104 Resp: 1648996
Ion Ratio Lower Upper
104 100
78 54.3 43.6 65.4
103 54.5 44.8 67.2



#70
Isopropylbenzene
Concen: 162.511 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

Tgt Ion:105 Resp: 2519165
Ion Ratio Lower Upper
105 100
120 26.3 18.1 33.7

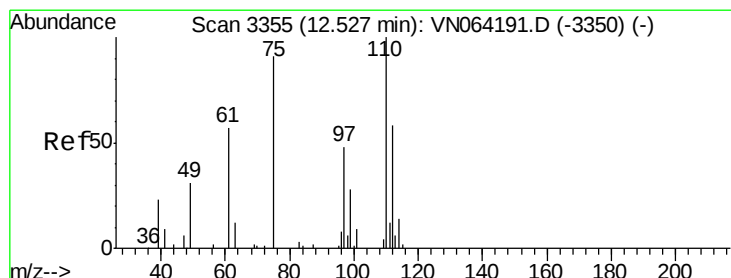
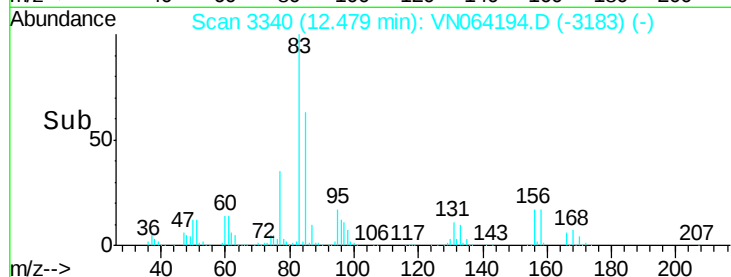
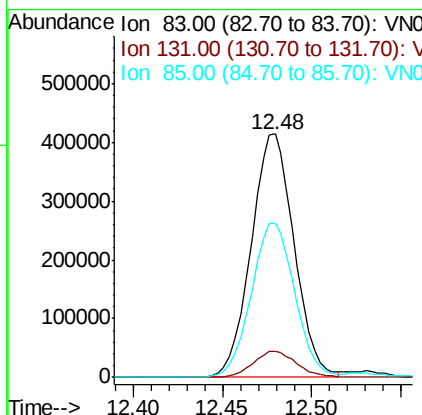
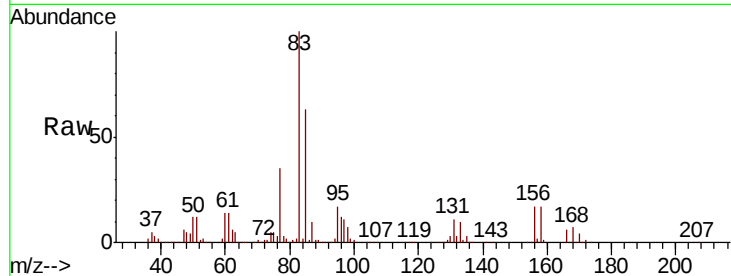




#71
 1,1,2,2-Tetrachloroethane
 Concen: 146.106 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

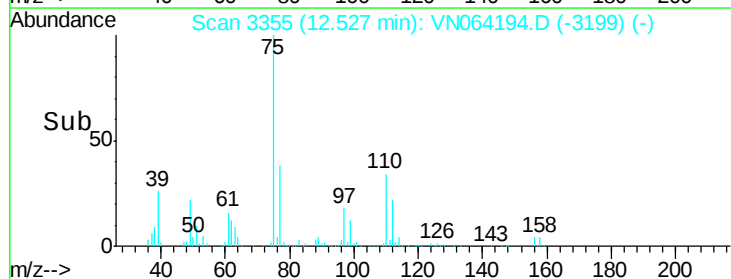
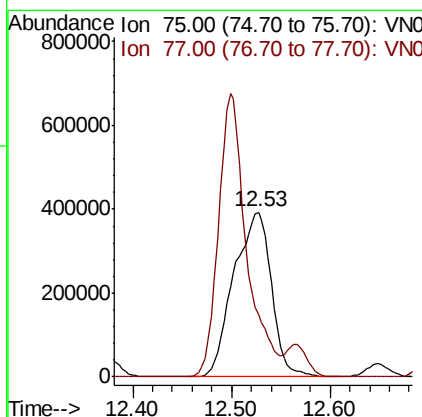
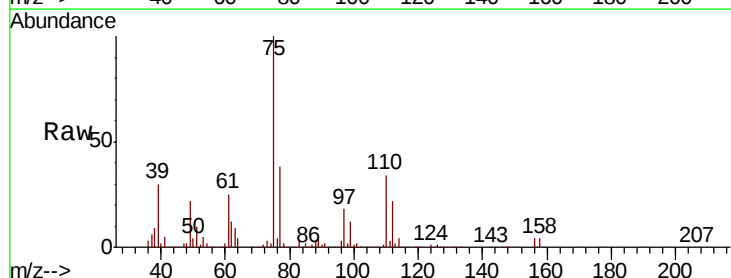
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

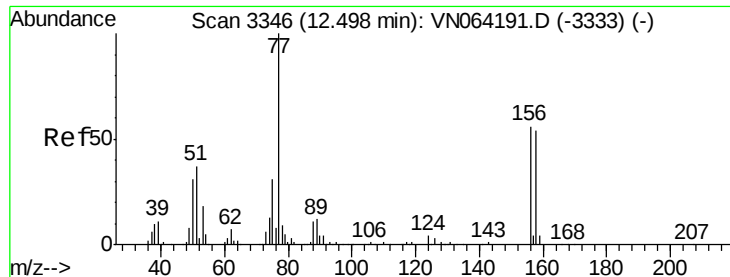
Tot Ion: 83 Resp: 695066
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.5 16.4
 85 64.2 30.8 92.4



#72
 1,2,3-Trichloropropane
 Concen: 219.563 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

Tgt Ion: 75 Resp: 1043154
 Ion Ratio Lower Upper
 75 100
 77 129.4 0.0 417.6





#73

Bromobenzene

Concen: 158.589 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

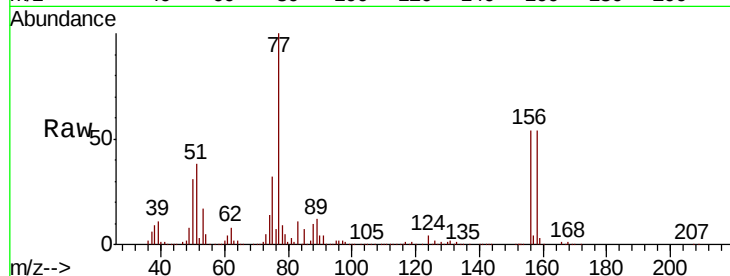
Tot Ion:156 Resp: 622591

Ion Ratio Lower Upper

156 100

77 216.9 0.0 429.8

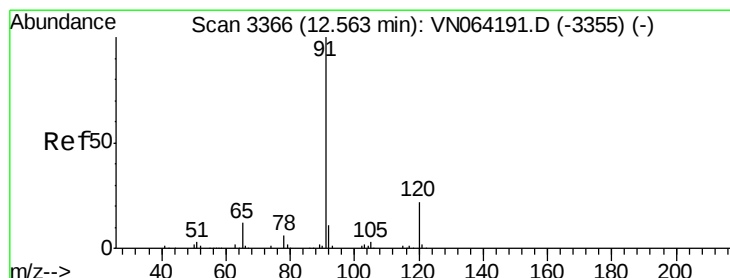
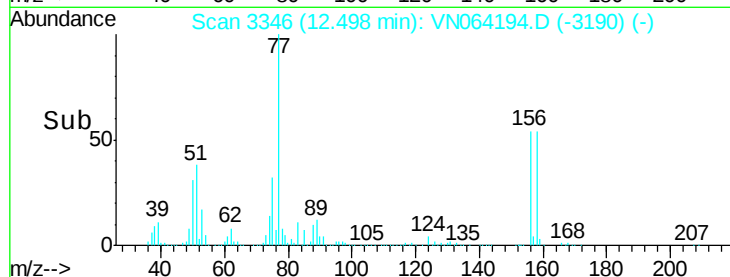
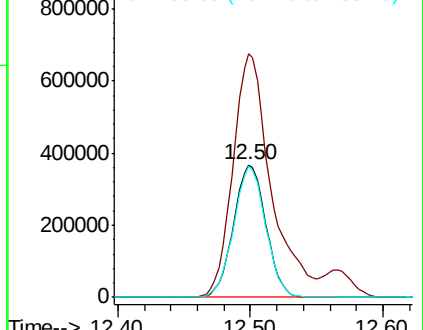
158 97.4 0.0 190.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 162.583 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064194.D

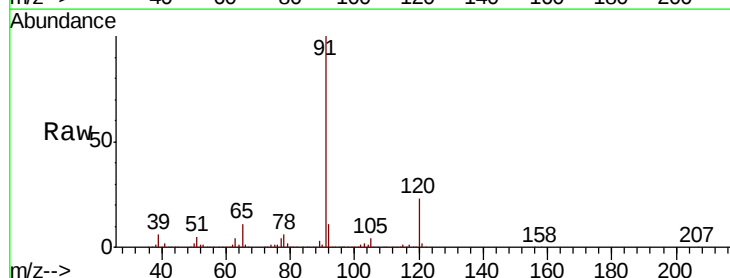
Acq: 20 Oct 2020 11:35

Tgt Ion: 91 Resp: 2932385

Ion Ratio Lower Upper

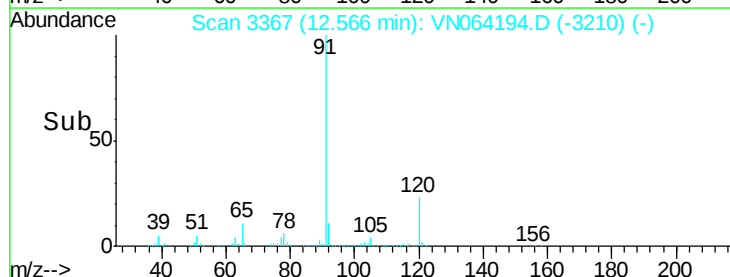
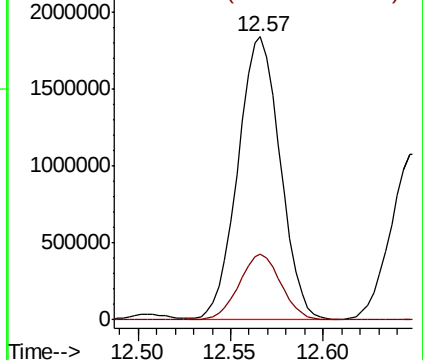
91 100

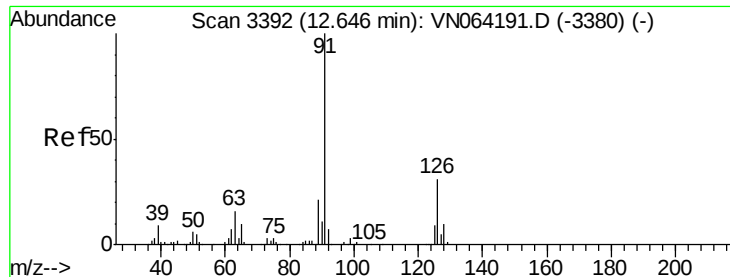
120 22.8 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 164.226 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

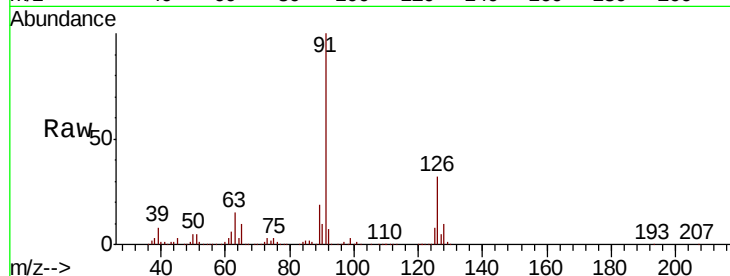
VSTDIC150

Tot Ion: 91 Resp: 1808451

Ion Ratio Lower Upper

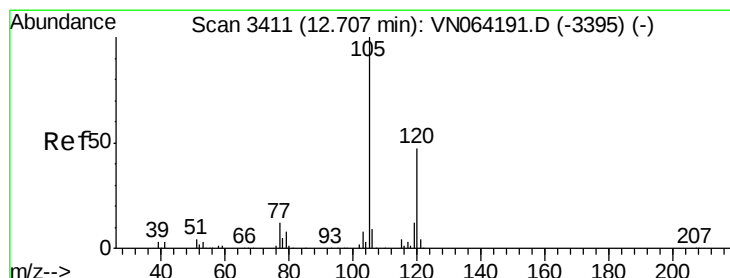
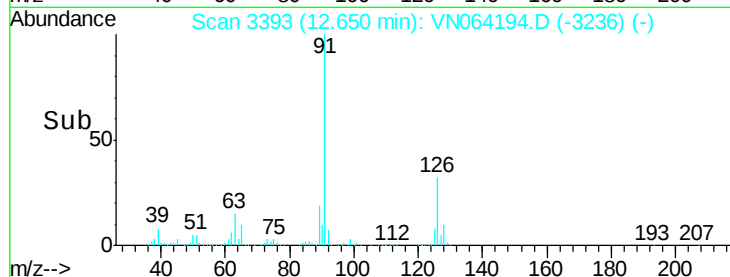
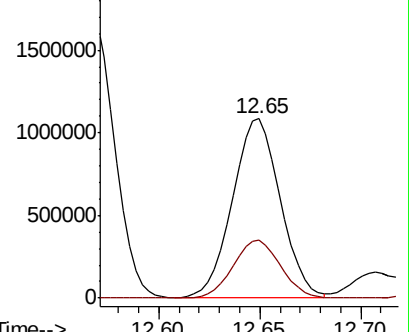
91 100

126 32.2 0.0 62.4



Abundance Ion 91.00 (90.70 to 91.70): VN064194.D (-3393) (-)

Ion 126.00 (125.70 to 126.70): VN064194.D (-3393) (-)



#76

1,3,5-Trimethylbenzene

Concen: 166.842 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064194.D

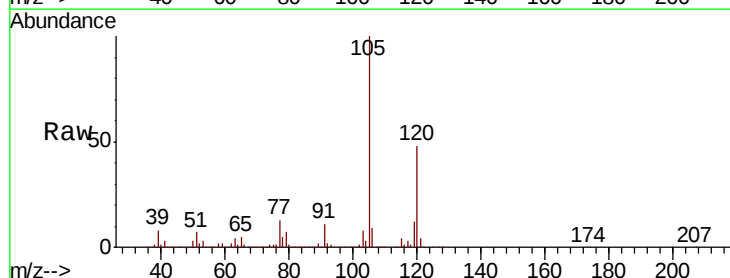
Acq: 20 Oct 2020 11:35

Tgt Ion: 105 Resp: 2183430

Ion Ratio Lower Upper

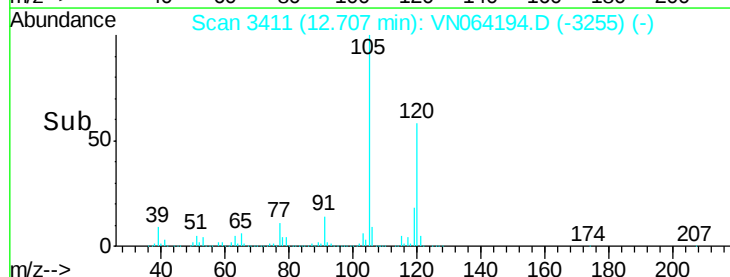
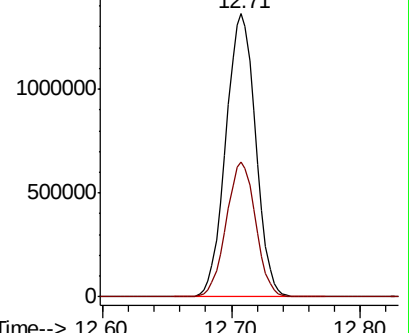
105 100

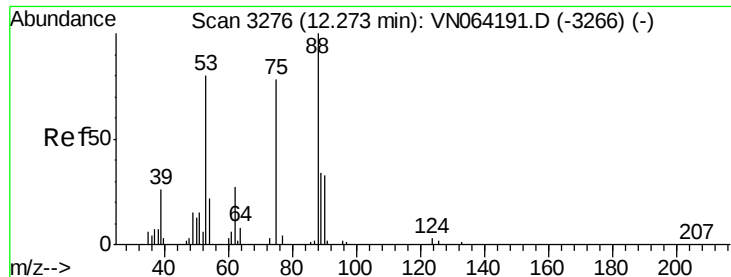
120 47.0 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064194.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064194.D (-3411) (-)

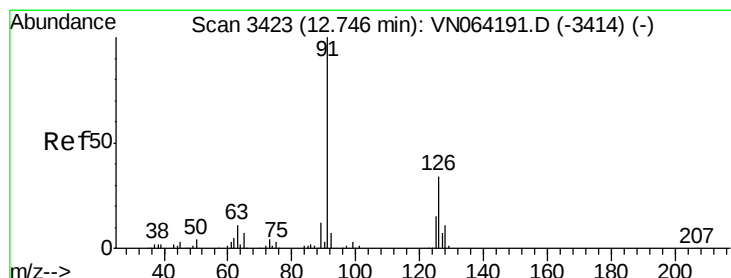
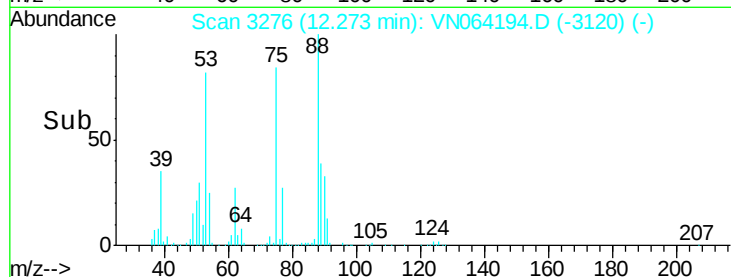
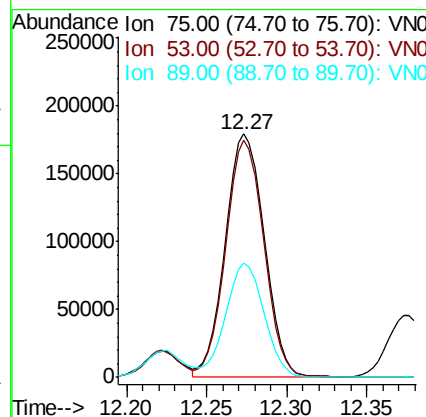
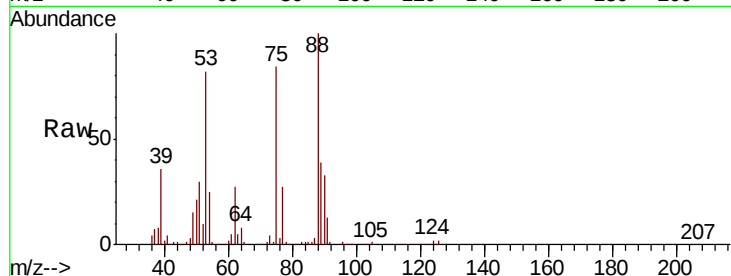




#77
t-1,4-Dichloro-2-butene
Concen: 168.795 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

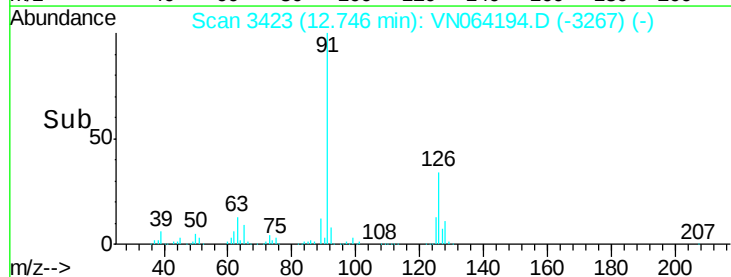
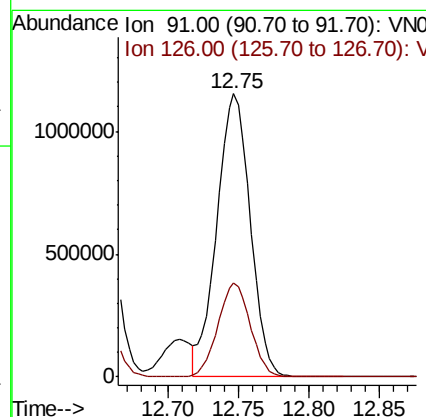
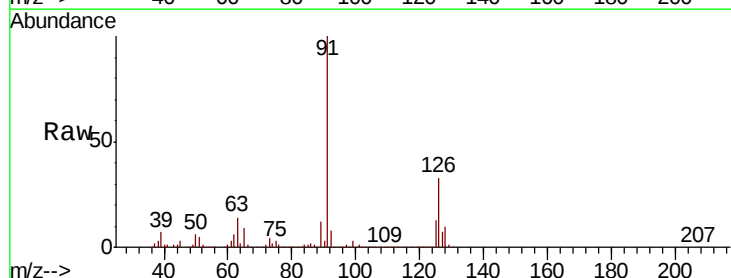
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

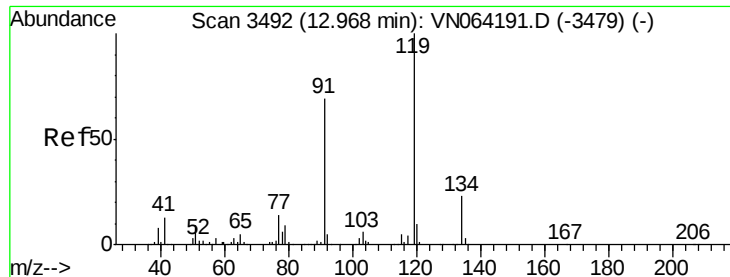
Tot Ion: 75 Resp: 299319
Ion Ratio Lower Upper
75 100
53 97.3 51.4 154.2
89 47.1 23.8 71.5



#78
4-Chlorotoluene
Concen: 163.337 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

Tgt Ion: 91 Resp: 1895958
Ion Ratio Lower Upper
91 100
126 32.2 0.0 63.2

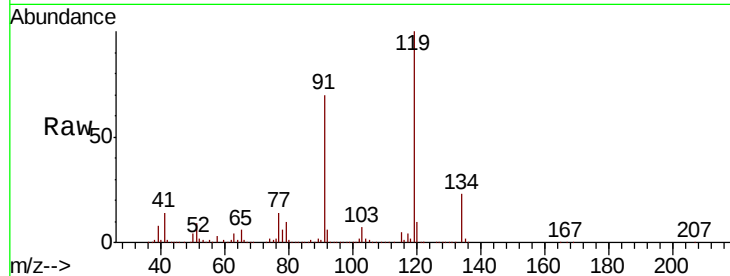




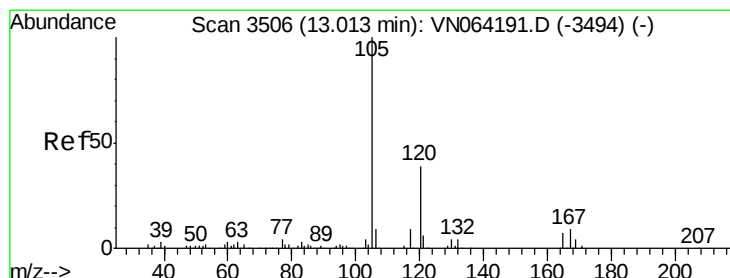
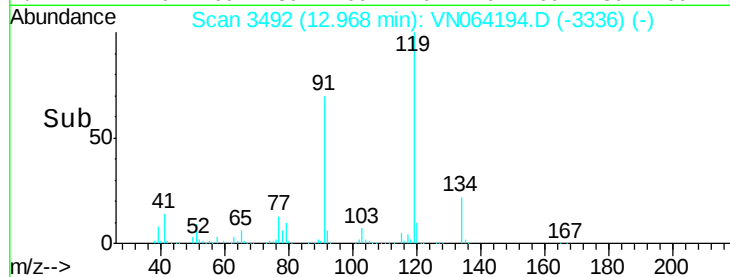
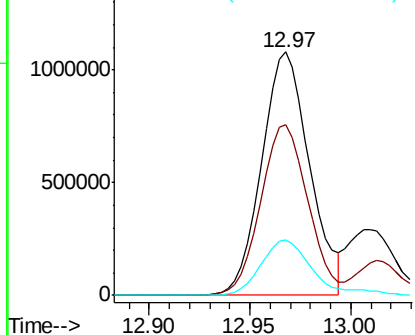
#79
tert-butylbenzene
Concen: 169.185 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1786684
Ion Ratio Lower Upper
119 100
91 69.3 0.0 143.2
134 23.0 0.0 49.2

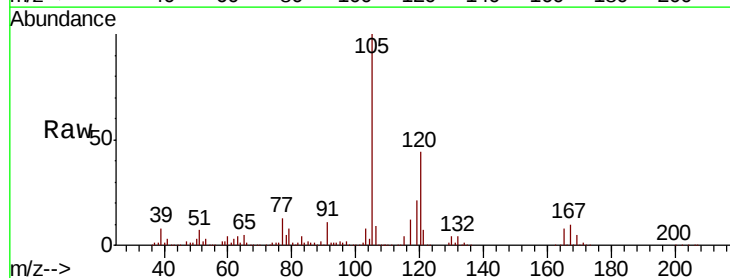


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

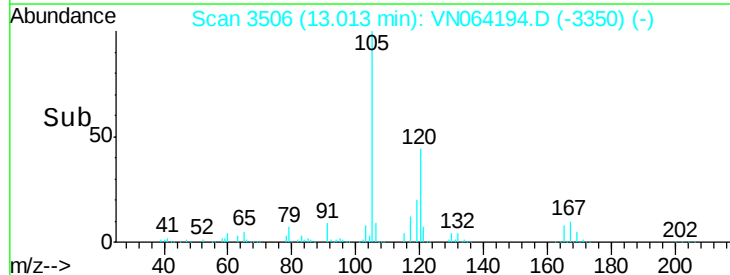
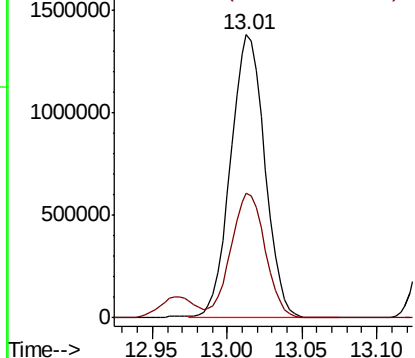


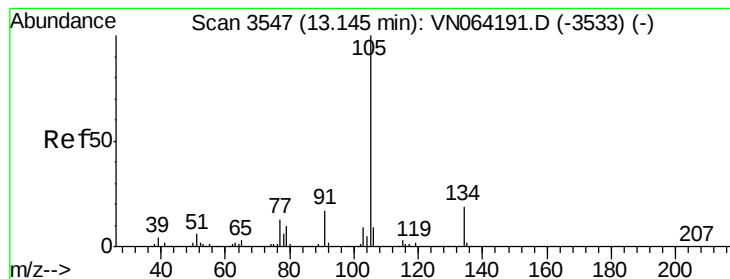
#80
1,2,4-Trimethylbenzene
Concen: 166.618 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

Tgt Ion:105 Resp: 2192412
Ion Ratio Lower Upper
105 100
120 44.4 0.0 85.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 167.029 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

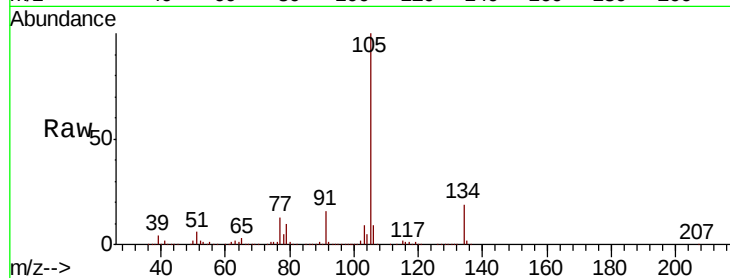
VSTDIC150

Tot Ion:105 Resp: 2312264

Ion Ratio Lower Upper

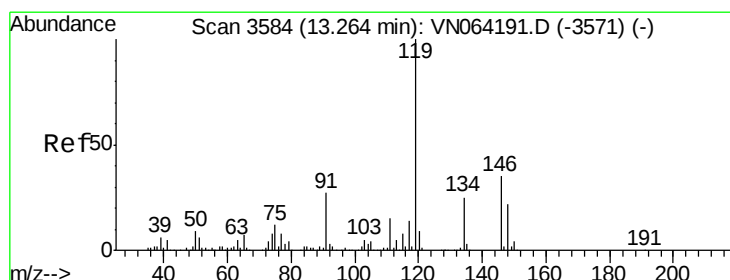
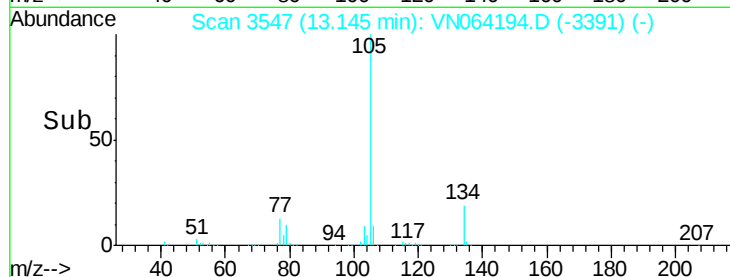
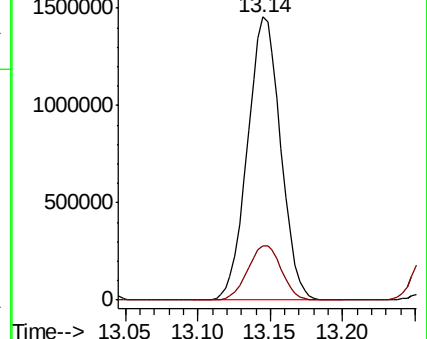
105 100

134 19.6 0.0 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 172.066 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

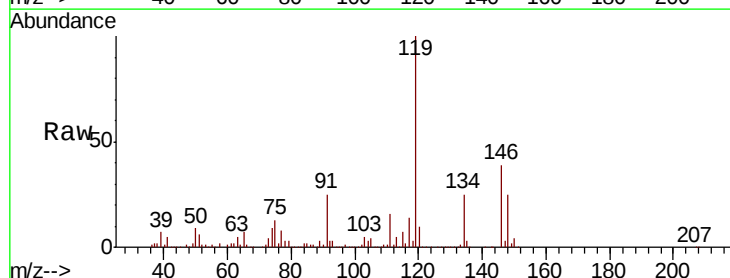
Tgt Ion:119 Resp: 2172281

Ion Ratio Lower Upper

119 100

134 25.4 0.0 51.4

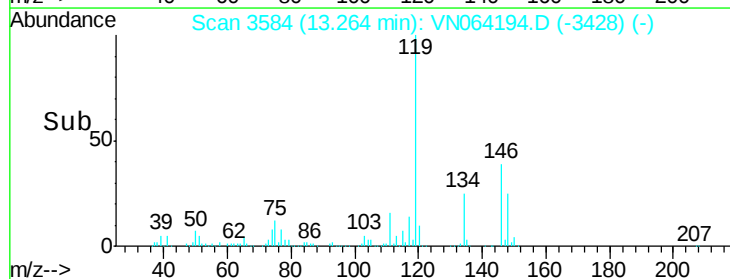
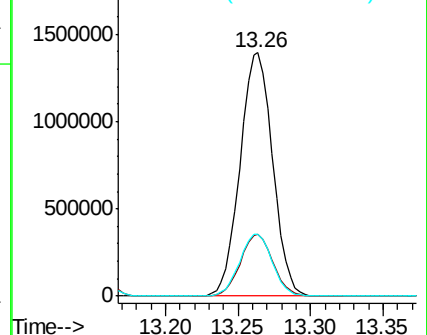
91 25.5 0.0 52.8

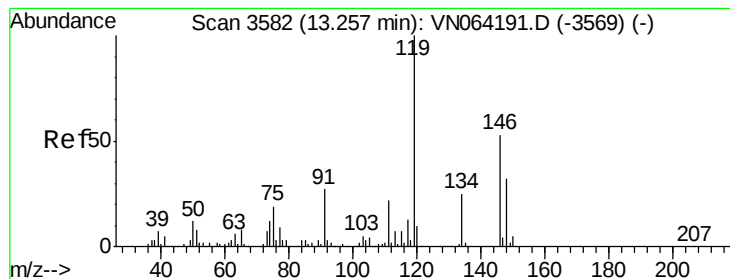


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 163.494 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

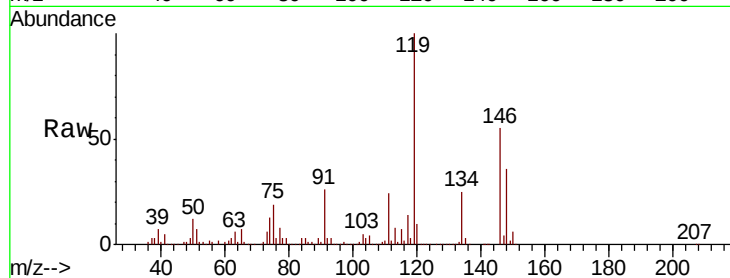
Tot Ion:146 Resp: 1131551

Ion Ratio Lower Upper

146 100

111 43.3 21.8 65.4

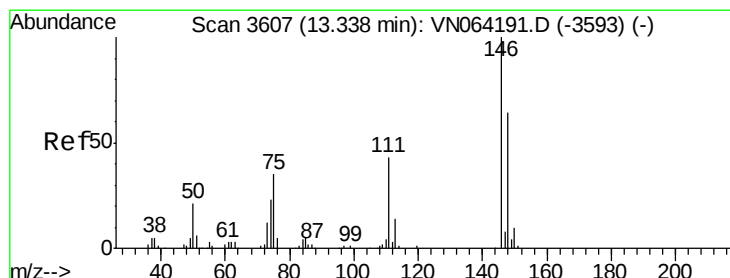
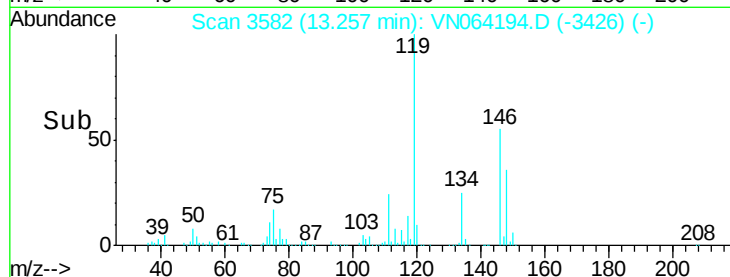
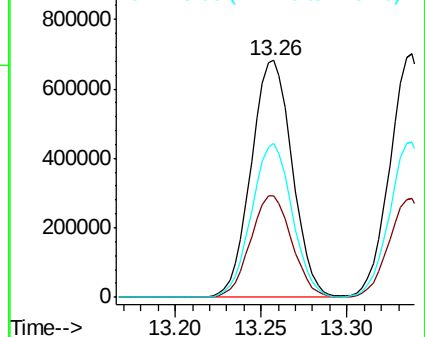
148 64.3 31.4 94.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 165.358 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

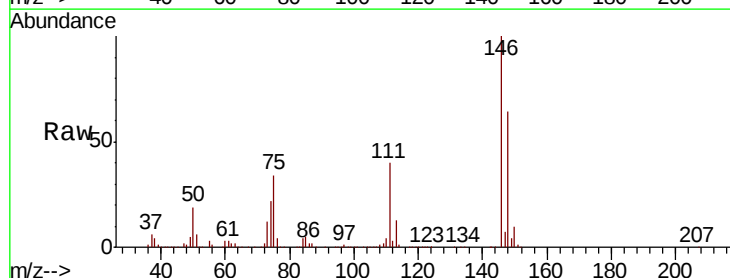
Tgt Ion:146 Resp: 1145343

Ion Ratio Lower Upper

146 100

111 41.2 20.9 62.8

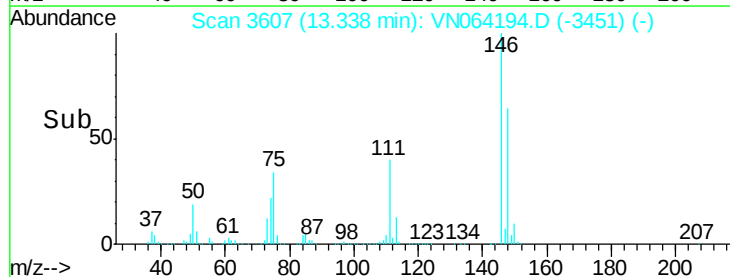
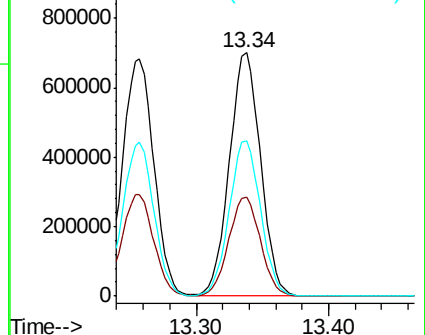
148 64.2 30.9 92.7

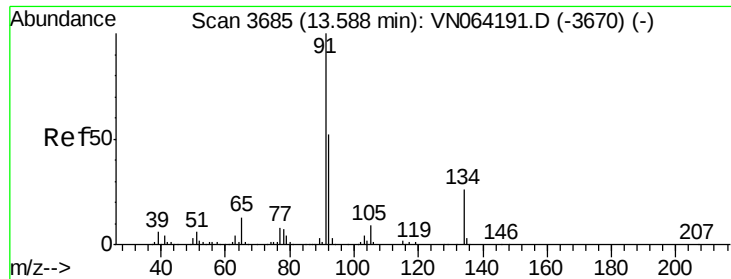


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

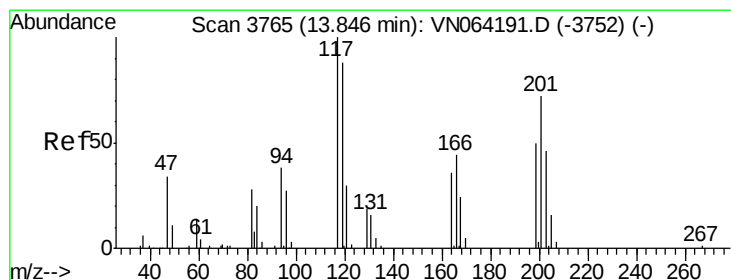
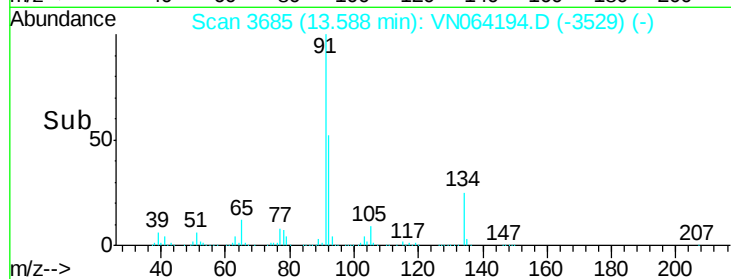
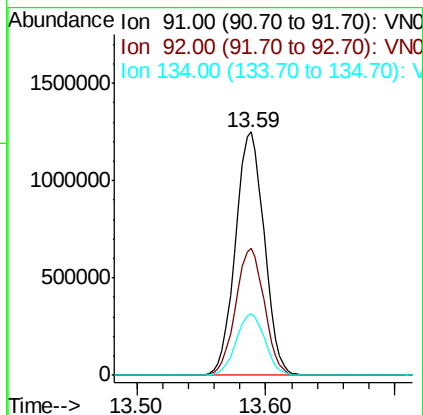
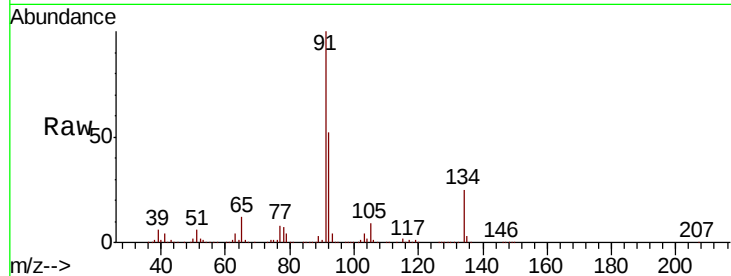




#85
n-Butylbenzene
Concen: 175.770 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

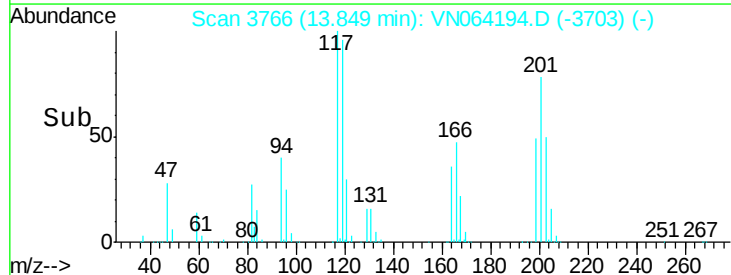
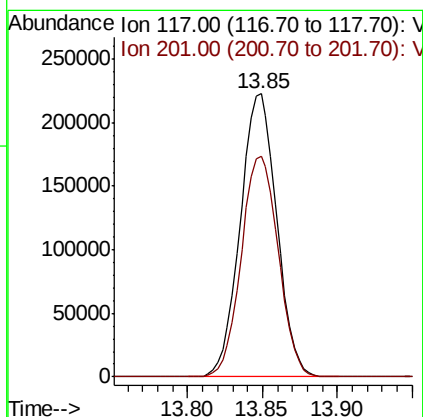
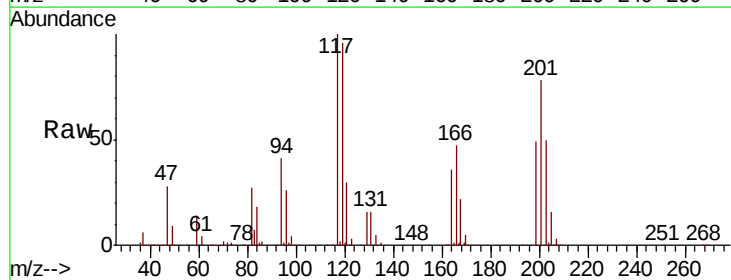
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

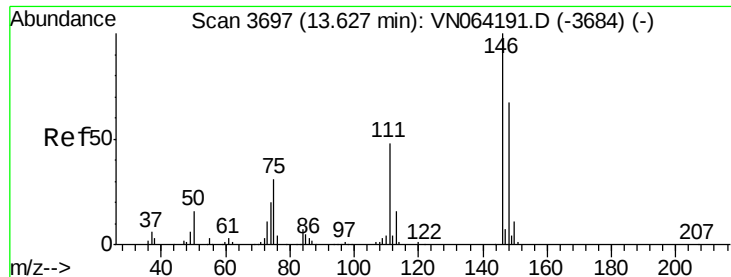
Tot Ion: 91 Resp: 1939185
Ion Ratio Lower Upper
91 100
92 52.1 0.0 104.8
134 25.4 0.0 49.8



#86
Hexachloroethane
Concen: 173.848 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064194.D
Acq: 20 Oct 2020 11:35

Tgt Ion: 117 Resp: 378010
Ion Ratio Lower Upper
117 100
201 79.2 37.5 112.3





#87

1,2-Dichlorobenzene

Concen: 162.860 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

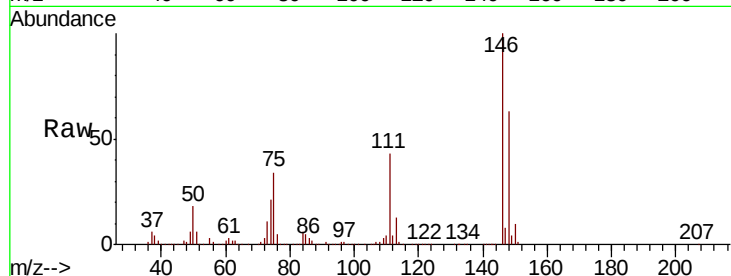
Tot Ion:146 Resp: 1098200

Ion Ratio Lower Upper

146 100

111 44.0 22.6 67.8

148 63.2 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

800000

600000

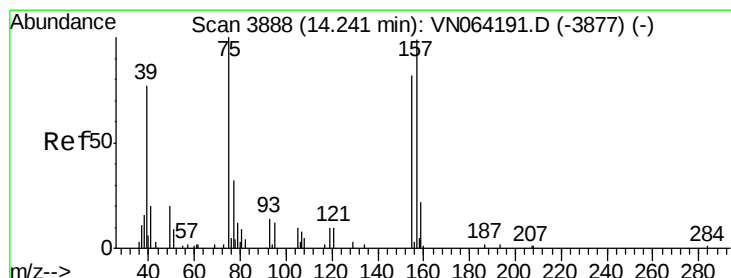
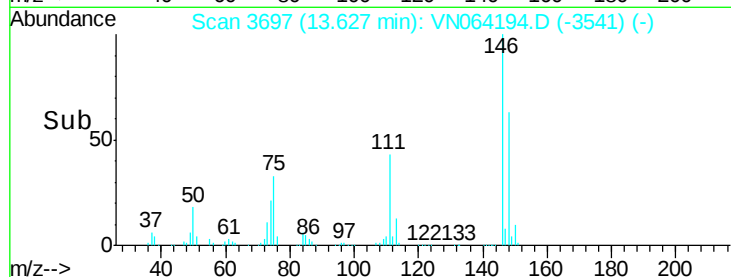
400000

200000

0

13.55 13.60 13.65 13.70

Time-->



#88

1,2-Dibromo-3-Chloropropane

Concen: 155.669 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

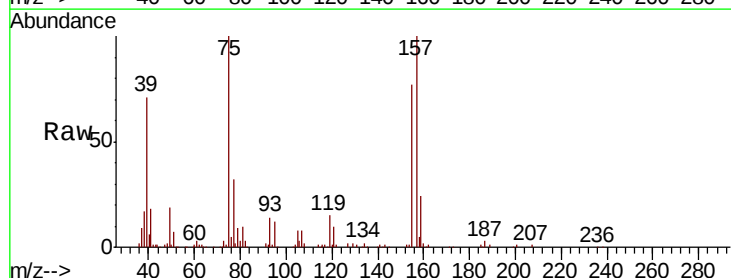
Tgt Ion: 75 Resp: 177687

Ion Ratio Lower Upper

75 100

155 75.2 61.1 91.7

157 97.6 76.5 114.7



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

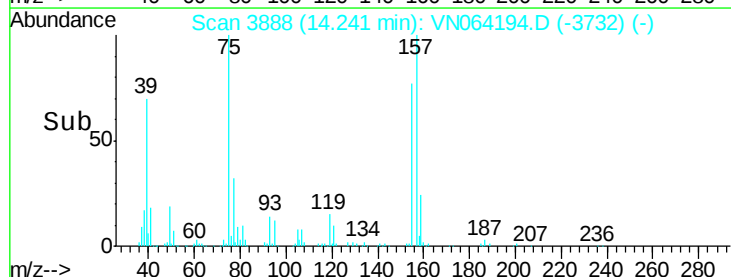
100000

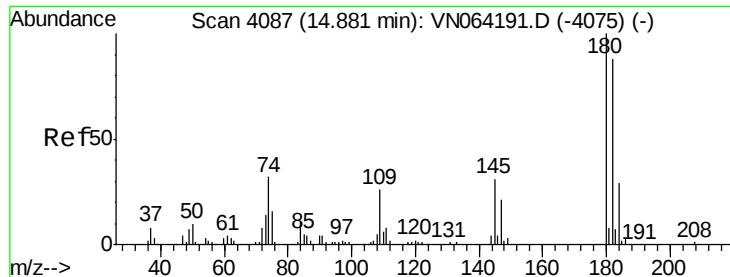
50000

0

14.20 14.24 14.28

Time-->

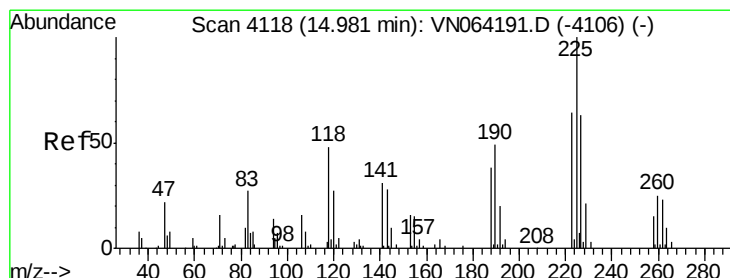
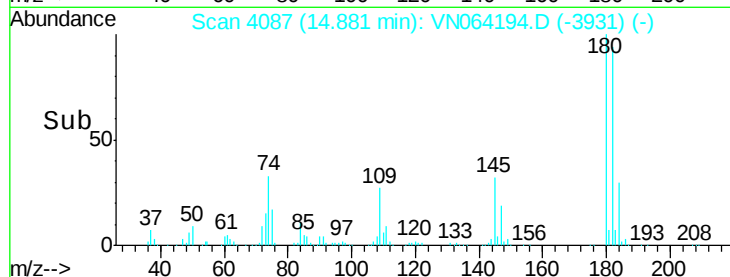
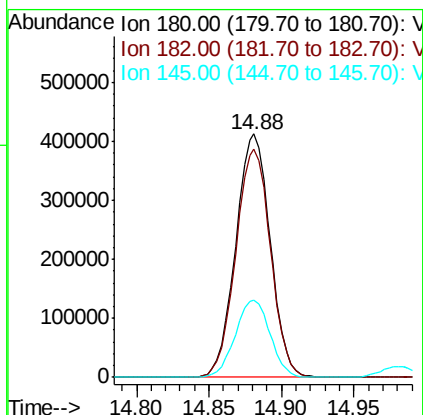
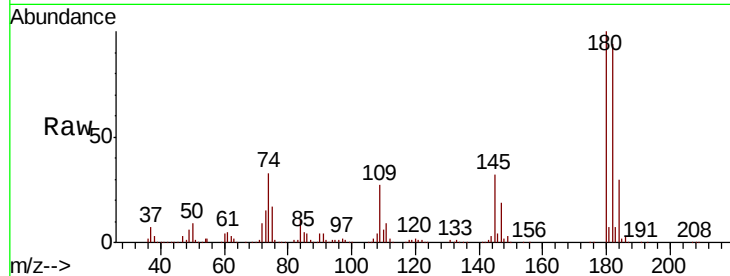




#89
 1,2,4-Trichlorobenzene
 Concen: 189.042 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

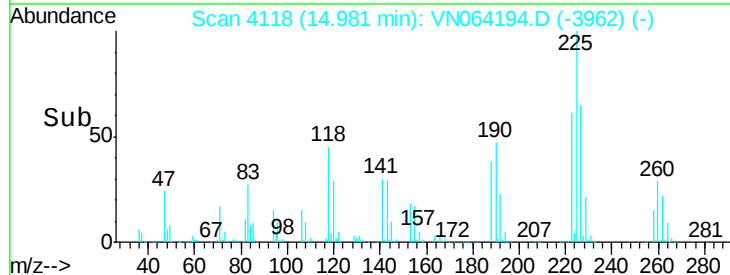
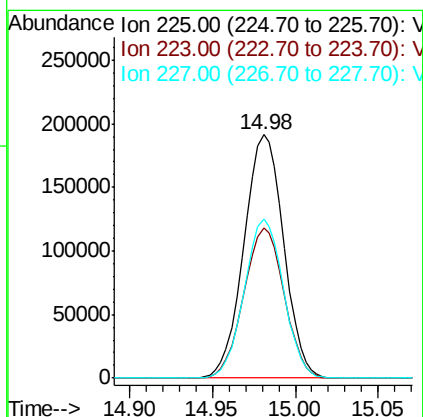
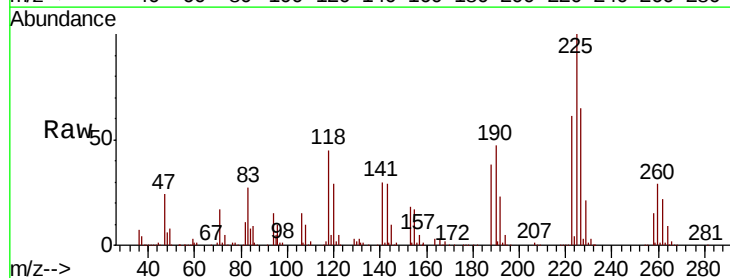
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

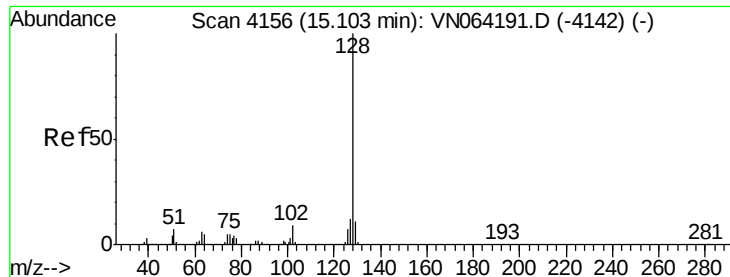
Tot Ion:180 Resp: 680388
 Ion Ratio Lower Upper
 180 100
 182 94.5 73.0 109.4
 145 32.1 24.3 36.5



#90
 Hexachlorobutadiene
 Concen: 171.009 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064194.D
 Acq: 20 Oct 2020 11:35

Tgt Ion:225 Resp: 318441
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 127.0
 227 64.5 0.0 129.4





#91

Naphthalene

Concen: 190.518 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

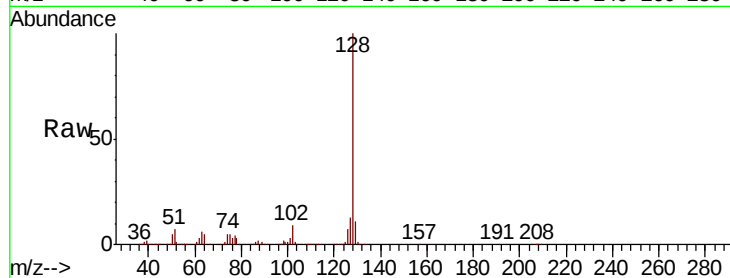
Tot Ion:128 Resp: 2064382

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

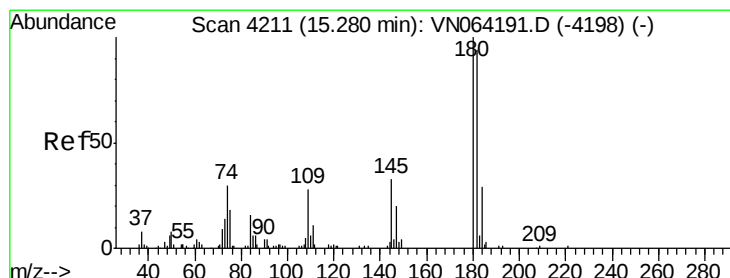
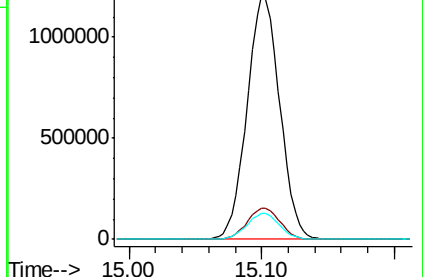
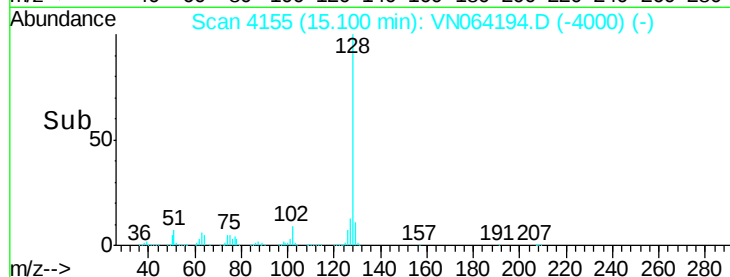
129 10.7 8.7 13.1



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: 189.638 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN064194.D

Acq: 20 Oct 2020 11:35

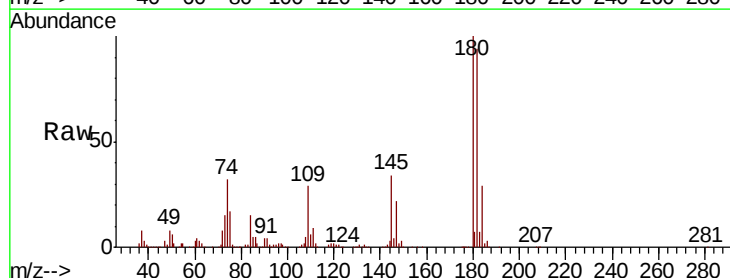
Tgt Ion:180 Resp: 655757

Ion Ratio Lower Upper

180 100

182 95.0 0.0 190.0

145 33.6 0.0 66.6



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

